

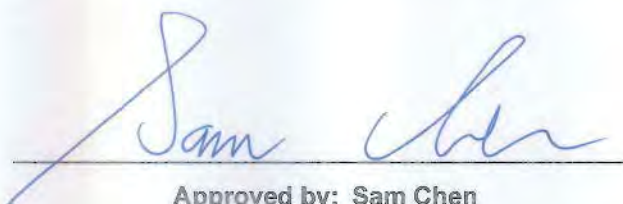


RADIO TEST REPORT

FCC ID : MSQ-RTAX4Q00
Equipment : AX11000 Tri Band WiFi Router
Brand Name : ASUS
Model Name : XT12
Applicant : ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou, Taipei 112, Taiwan
Manufacturer (1) : Compal Networking (KunShan) Co., LTD.
No. 520, Nanbang Rd., Economic & Technical
Development Zone Kunshan, Jiangsu Province China
Manufacturer (2) : ARCADYAN TECHNOLOGY (VIETNAM) CO., LTD.
Ba Thien Industrial Park, Ba Hien commune, Binh
Xuyen district, Vinh Phuc Province
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 21, 2021, and testing was started from Sep. 15, 2021 and completed on Apr. 07, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Sam Chen

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



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	9
1.3 Testing Location Information	9
1.4 Measurement Uncertainty	9
2 Test Configuration of EUT.....	10
2.1 Test Channel Mode	10
2.2 The Worst Case Measurement Configuration.....	11
2.3 EUT Operation during Test	13
2.4 Accessories	13
2.5 Support Equipment.....	14
2.6 Test Setup Diagram	15
3 Transmitter Test Result	19
3.1 AC Power-line Conducted Emissions	19
3.2 DTS Bandwidth	21
3.3 Maximum Conducted Output Power	22
3.4 Power Spectral Density	24
3.5 Emissions in Non-restricted Frequency Bands	26
3.6 Emissions in Restricted Frequency Bands.....	27
4 Test Equipment and Calibration Data	31
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of DTS Bandwidth	
Appendix C. Test Results of Maximum Conducted Output Power	
Appendix D. Test Results of Power Spectral Density	
Appendix E. Test Results of Emissions in Non-restricted Frequency Bands	
Appendix F. Test Results of Emissions in Restricted Frequency Bands	
Appendix G. Test Results of Radiated Emission Co-location	
Appendix H. Test Photos	
Photographs of EUT v01	



History of this test report

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

Page Number : 3 of 33
Issued Date : Apr. 18, 2022
Report Version : 01



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-
Note: Reference to Sporton Project No.: 170127				

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen**Report Producer: Jessie Wei**



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, 1024QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	2.4GHz Port	5GHz Port		Blue tooth	Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
		UNII 1~2A	UNII 2C~4						
1	-	-	1	-	WALSIN	RFDPA110521IM5B901	Dipole	I-PEX	Note 1
2	-	-	2	-	WALSIN	RFDPA110517IM5B901	Dipole	I-PEX	
3	-	-	3	-	WALSIN	RFDPA110521IM5B903	Dipole	I-PEX	
4	-	-	4	-	WALSIN	RFDPA110521IM5B902	Dipole	I-PEX	
5	1	1	-	-	WALSIN	RFDPA200513IMLB901	Dipole	I-PEX	
6	2	2	-	-	WALSIN	RFDPA200513IMLB902	Dipole	I-PEX	
7	3	3	-	-	WALSIN	RFDPA200509IMLB901	Dipole	I-PEX	
8	4	4	-	-	WALSIN	RFDPA200509IMLB902	Dipole	I-PEX	
9	-	-	-	1	YAGEO	ANT3216A063R2400A	Chip	N/A	

Note 1:

Ant.	Gain (dBi)						
	2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 4	Bluetooth
1	-	-	-	2.6	2.39	1.98	-
2	-	-	-	2.44	1.96	2.12	-
3	-	-	-	1.68	1.72	1.22	-
4	-	-	-	3.09	2.53	2.47	-
5	1.67	2.63	2.74	-	-	-	-
6	1.19	2.82	2.9	-	-	-	-
7	2.93	3.2	2.73	-	-	-	-
8	2.12	3.87	3.16	-	-	-	-
9	-	-	-	-	-	-	1.69
Max Gain (dBi)	2.93	3.87	3.16	3.09	2.53	2.47	-
DG (4T1S) (dBi)	6.34	5.31	5.97	6.05	6.09	5.91	-
DG (4T2S) (dBi)	3.34	3.87	3.16	3.09	3.09	2.91	-
DG (4T4S) (dBi)	0.37	0.09	0.26	0.06	0.19	0.03	-

Note 2: The above information was declared by manufacturer.

Note 3: WLAN 2.4GHz/5GHz: 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: For 2.4GHz function:

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

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

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

**For 5GHz function:****For IEEE 802.11a/n/ac/ax mode (4TX/4RX)**

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

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

For Bluetooth Function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle**For 4T1S****<Non-beamforming Mode>**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.966	0.15	1.101m	1k

<Beamforming Mode>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF	0.949	0.23	4.383m	300
802.11ax HEW40-BF	0.957	0.19	5.104m	300

For 4T2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF	0.989	0.05	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40-BF	0.903	0.44	2.939m	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	accessMTool v3.2.0.2 、 Mtool 3.2.1.3 、 DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Components Source Information

Items	Main Source	Second Source
Transceiver (2.5G LAN)	Brand Name: MAXLINEAR Model Name: GPY211	Brand Name: Broadcom Model Name: BCM50991

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Information

EUT	Transceiver (2.5G LAN)
EUT 1	Main Source (2500 / 1000 / 100 /10 Mbps)
EUT 2	Second Source (2500 / 1000 / 100 Mbps)

Note: After evaluating, EUT 1 was selected to test and recorded in the test report.

1.1.7 Table for EUT supports function

Function	Supports type
AP Router	Master
Bridge	Slave without radar detection
Repeater	Master
Mesh	Master

Note1: After evaluating, only AP Router was selected to test and record in the report.

Note2: 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 ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)				
(TAF: 3787) TEL: 886-3-656-9065 FAX: 886-3-656-9085				
Test site Designation No. TW3787 with FCC.				
Conformity Assessment Body Identifier (CABID) TW3787 with ISCED.				

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Li	22.3~23.0 / 67~69	Sep. 22, 2021~ Mar. 07, 2022
Radiated below 1GHz	03CH05-CB	Ken Yeh	24.5~25.6 / 56~59	Sep. 15, 2021~ Apr. 07, 2022
	03CH06-CB	Ken Yeh	23.5~24.6 / 55~59	
Radiated above 1GHz & Co-location	03CH02-CB	Ken Yeh	24.2~26.1 / 55~58	Sep. 15, 2021~ Apr. 07, 2022
AC Conduction	CO01-CB	Peter Wu	22~24 / 52~53	Mar. 04, 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)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For 4T1S

<Non-beamforming Mode>

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	95
2437MHz	95
2462MHz	95
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	84
2437MHz	94
2462MHz	91

<Beamforming Mode>

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	81
2437MHz	93
2462MHz	93
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	78
2437MHz	83
2452MHz	78

For 4T2S

Mode	Power Setting
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-
2412MHz	90
2437MHz	95
2462MHz	97
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-
2422MHz	79
2437MHz	82
2452MHz	80

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	AP router – EUT 1 + Adapter 1
2	AP router – EUT 1 + Adapter 2
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
1	EUT 1



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	CTX – EUT 1 in Y axis + Adapter 1 – WLAN 2.4GHz
2	CTX – EUT 1 in Y axis + Adapter 2 – WLAN 2.4GHz
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~5 will follow this same test mode.	
3	CTX – EUT 1 in Y axis + Adapter 2 – Bluetooth
4	CTX – EUT 1 in Y axis + Adapter 2 – WLAN 5GHz (UNII 1~UNII 2A)
5	CTX – EUT 1 in Y axis + Adapter 2 – WLAN 5GHz (UNII 2C~UNII 4)
Mode 2 has been evaluated to be the worst case among Mode 1~5, thus measurement for Mode 6 will follow this same test mode.	
6	CTX – EUT 2 in Y axis + Adapter 2 – WLAN 2.4GHz
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT 1 in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
Operating Mode	Normal Link
1	EUT 1 in Y axis – WLAN 2.4GHz + WLAN 5GHz (UNII 1~UNII 2A)
Refer to Appendix G for Radiated Emission Co-location.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT 1 – WLAN 2.4GHz + WLAN 5GHz (UNII 1~UNII 2A) + WLAN 5GHz (UNII 2C~UNII 4) + Bluetooth
Refer to Sporton Test Report No.: FA170127-01 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

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

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	Brand Name	Model Name	Rating	DC cable
Adapter 1	DELTA	ADP-45FE F	INPUT: 100-240V~1.2A, 50-60Hz OUTPUT: 19.0V, 2.37A, 45.0W	Non-shielded, 1.5m
Adapter 2	AcBel	ADH011	INPUT: 100-240V~1.4A, 50-60Hz OUTPUT: 19.5V, 2.31A, 45.0W MAX.	Non-shielded, 1.5m
Others				
Power cable*2: Non-shielded, 0.9m				
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	2.5G WAN PC	DELL	T3400	N/A
B	2.5G LAN PC	DELL	T3400	N/A
C	LAN1 NB	DELL	E6430	N/A
D	LAN2 NB	DELL	E6430	N/A
E	2.4G NB	DELL	E6430	N/A
F	5G-L NB	DELL	E6430	N/A
G	5G-H Client	ASUS	XT12	MSQ-RTAX4Q00
H	5G-H NB	DELL	E6430	N/A

For Radiated (below 1GHz) and RF Conducted:

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

Radiated (above 1GHz)

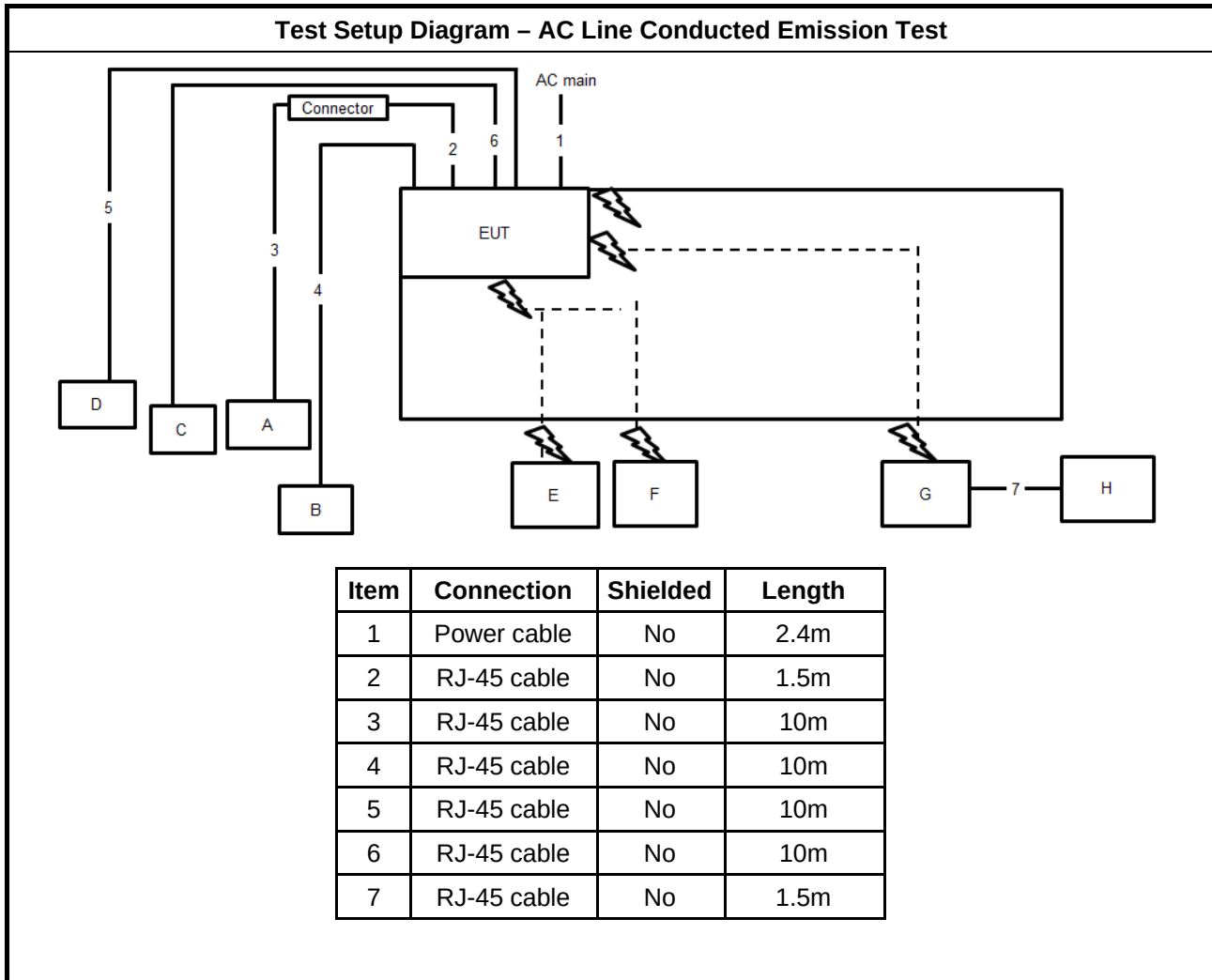
<Non-beamforming Mode>:

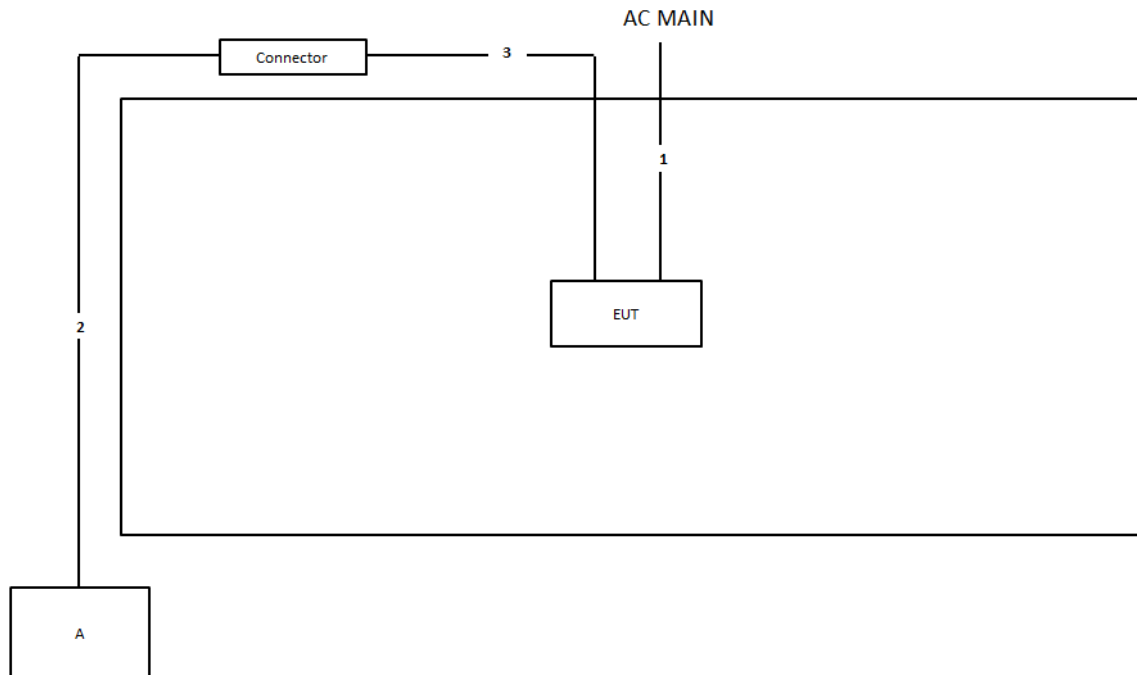
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

<Beamforming Mode>:

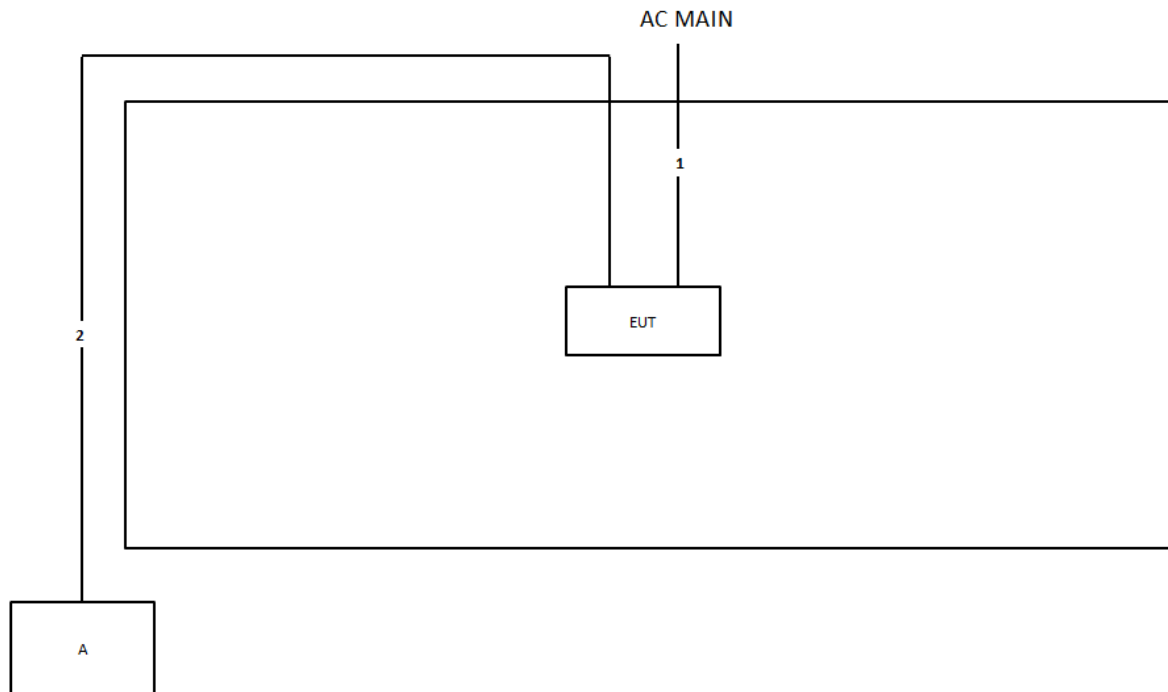
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Client	ASUS	XT12	MSQ-RTAX4Q00
C	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram

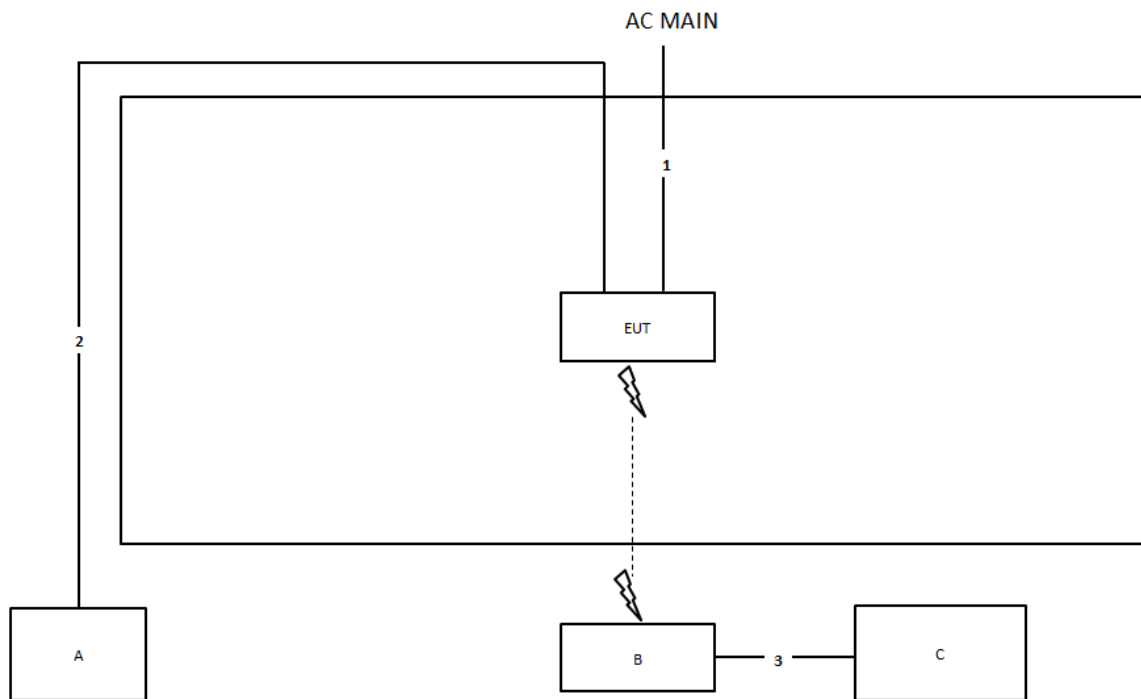


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz / <Non-beamforming Mode>


Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz / <Beamforming Mode>


Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	RJ-45 cable	No	10m
3	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.

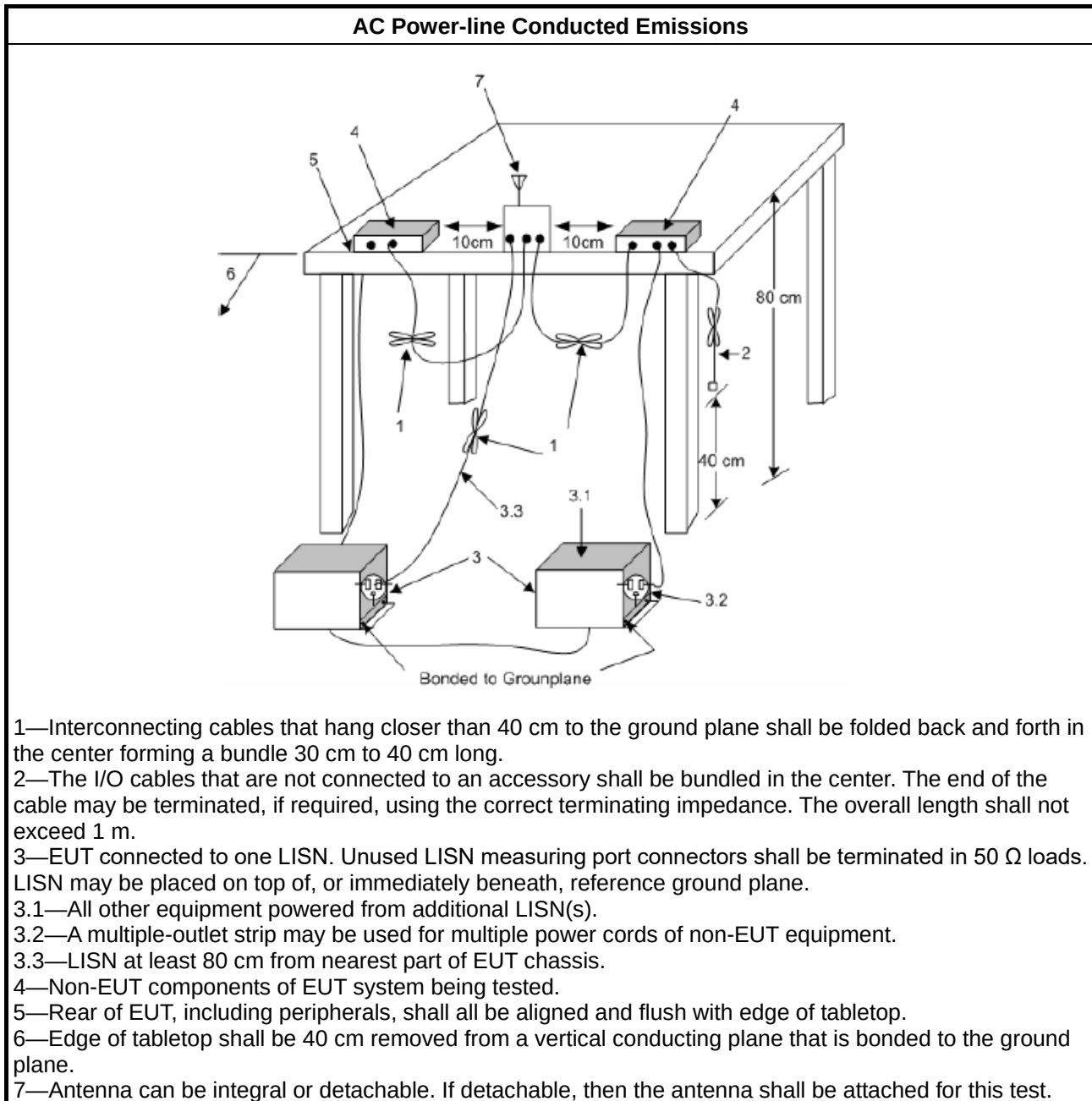
3.1.2 Measuring Instruments

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.

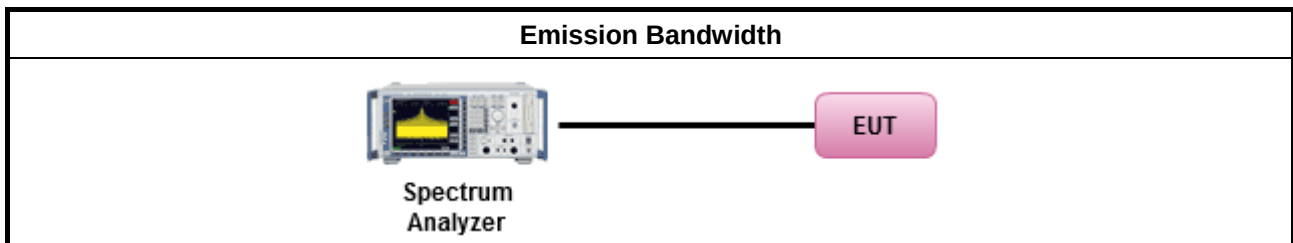
3.2.2 Measuring Instruments

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 $\geq$ 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 $\geq$ 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:

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

$$\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

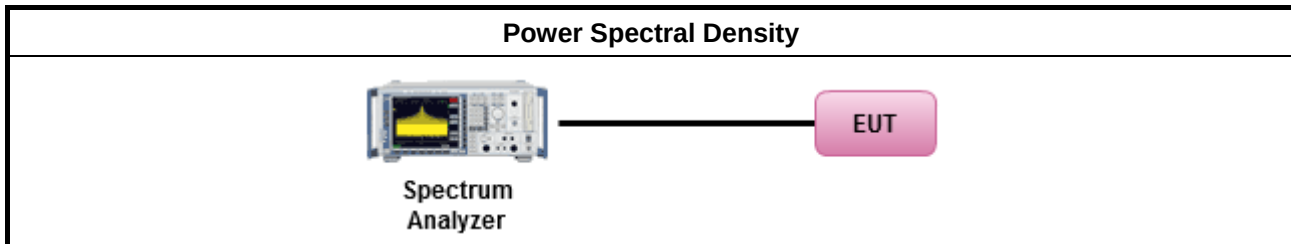
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



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.	

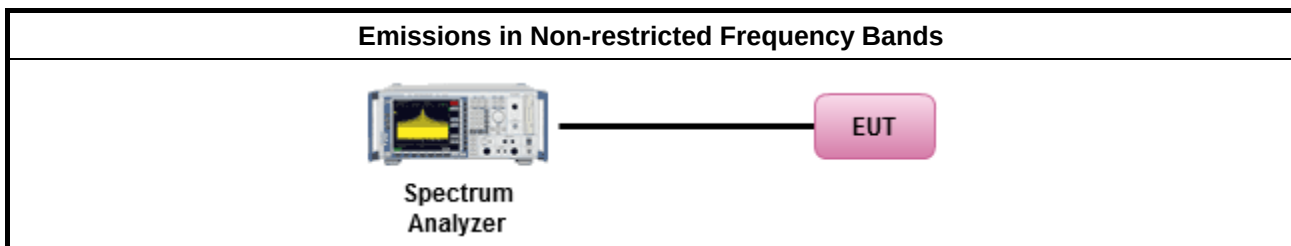
3.5.2 Measuring Instruments

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

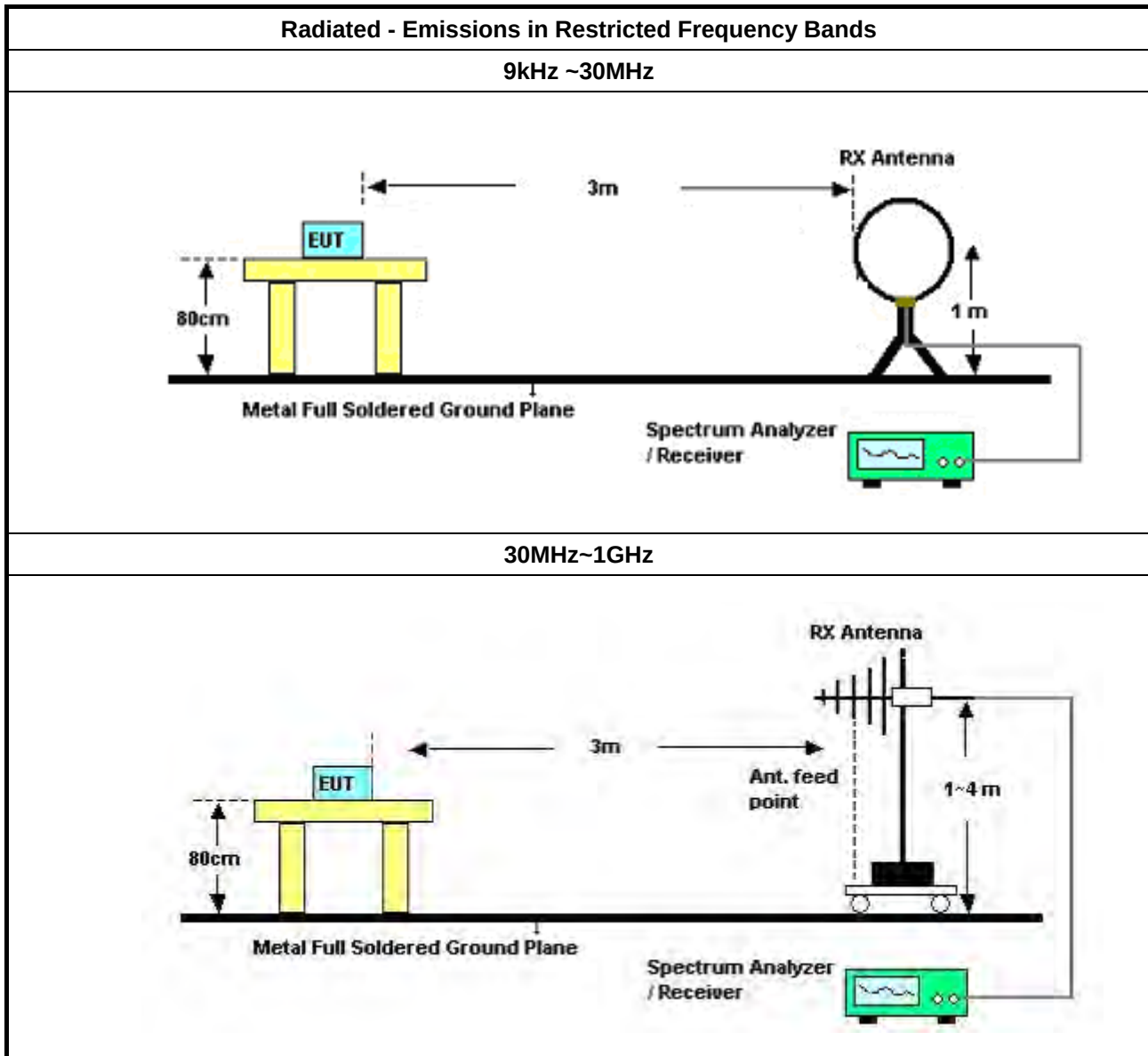
Refer a test equipment and calibration data table in this test report.

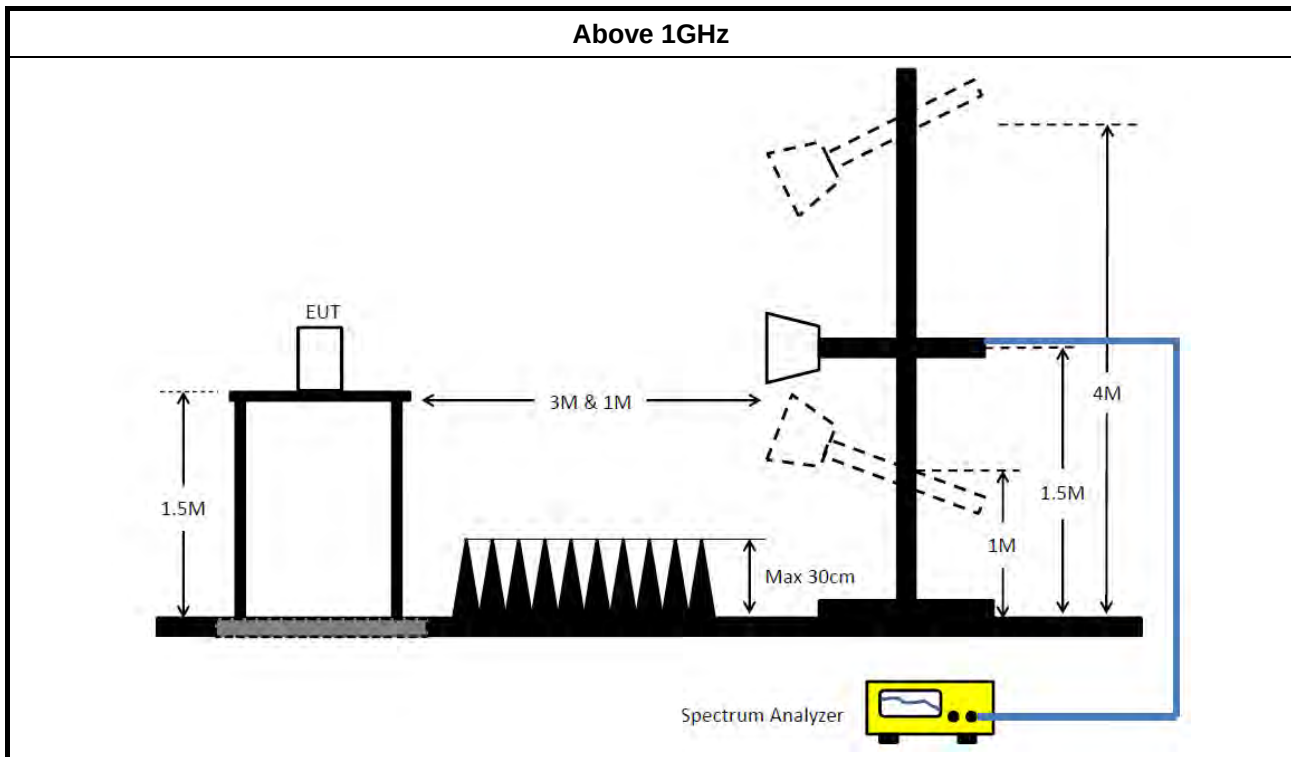


3.6.3 Test Procedures

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	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-1 6-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	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)
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)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 31, 2021	Jul. 30, 2022	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 04, 2021	Nov. 03, 2022	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 15, 2020	Dec. 14, 2021	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 24, 2021	Dec. 23, 2022	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
3m VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 06, 2021	Sep. 05, 2022	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 06, 2021	Sep. 05, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



Conducted Emissions at Powerline

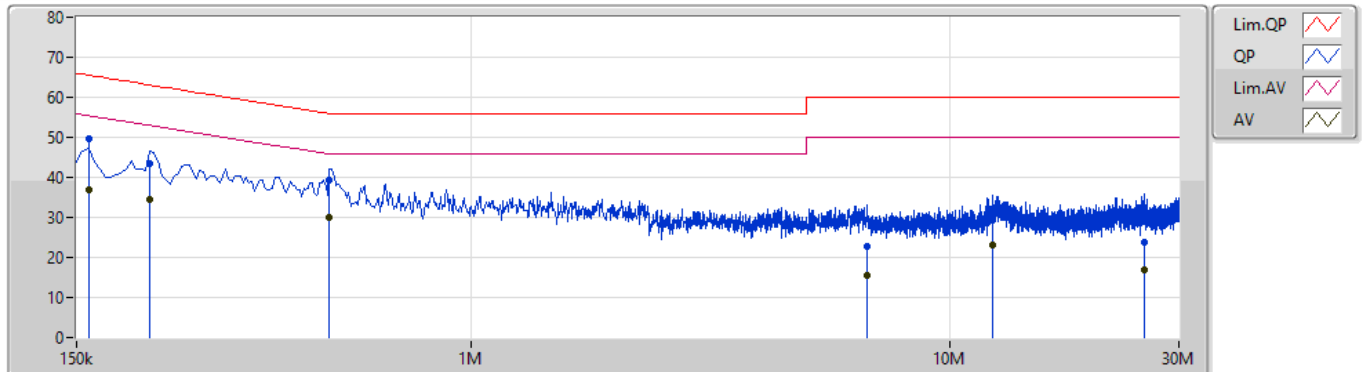
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	510k	31.18	46.00	-14.82	Neutral

Mode 2

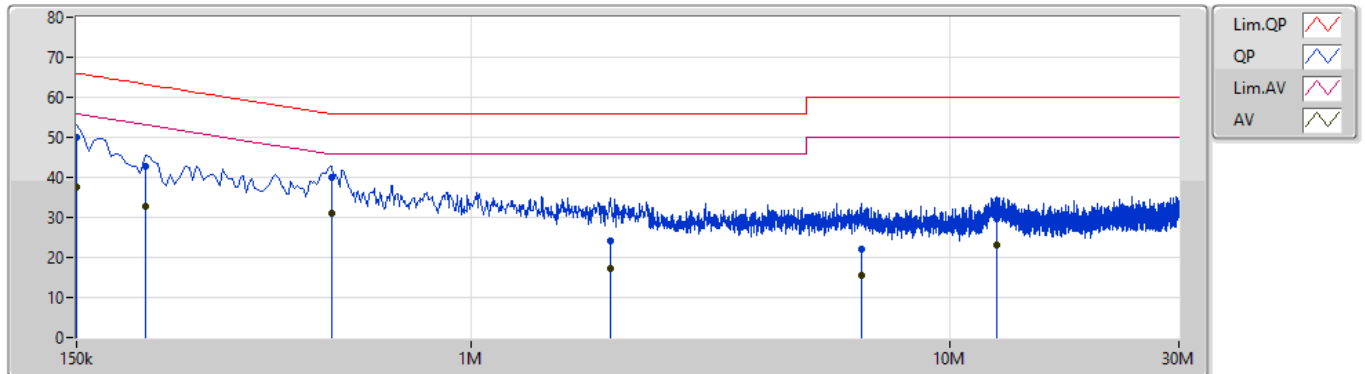
04/03/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	159k	49.58	65.52	-15.94	10.03	Line	"Worst"	39.55	0.12	0.02	9.89			
AV	159k	36.96	55.52	-18.56	10.03	Line	-	26.93	0.12	0.02	9.89			
QP	213k	43.52	63.09	-19.57	10.03	Line	-	33.49	0.12	0.02	9.89			
AV	213k	34.38	53.09	-18.71	10.03	Line	-	24.35	0.12	0.02	9.89			
QP	505.5k	39.21	56.00	-16.79	10.04	Line	-	29.17	0.13	0.02	9.89			
AV	505.5k	30.00	46.00	-16.00	10.04	Line	-	19.96	0.13	0.02	9.89			
QP	6.725M	22.60	60.00	-37.40	10.26	Line	-	12.34	0.29	0.07	9.90			
AV	6.725M	15.60	50.00	-34.40	10.26	Line	-	5.34	0.29	0.07	9.90			
QP	12.273M	29.37	60.00	-30.63	10.37	Line	-	19.00	0.35	0.09	9.93			
AV	12.273M	23.14	50.00	-26.86	10.37	Line	-	12.77	0.35	0.09	9.93			
QP	25.395M	23.79	60.00	-36.21	10.57	Line	-	13.22	0.40	0.20	9.97			
AV	25.395M	16.88	50.00	-33.12	10.57	Line	-	6.31	0.40	0.20	9.97			

Mode 2

04/03/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	50.08	66.00	-15.92	10.07	Neutral	-	40.01	0.16	0.02	9.89			
AV	150k	37.57	56.00	-18.43	10.07	Neutral	-	27.50	0.16	0.02	9.89			
QP	208.5k	42.70	63.27	-20.57	10.07	Neutral	-	32.63	0.16	0.02	9.89			
AV	208.5k	32.75	53.27	-20.52	10.07	Neutral	-	22.68	0.16	0.02	9.89			
QP	510k	40.04	56.00	-15.96	10.07	Neutral	-	29.97	0.16	0.02	9.89			
AV	510k	31.18	46.00	-14.82	10.07	Neutral	"Worst"	21.11	0.16	0.02	9.89			
QP	1.95M	24.05	56.00	-31.95	10.13	Neutral	-	13.92	0.19	0.05	9.89			
AV	1.95M	17.08	46.00	-28.92	10.13	Neutral	-	6.95	0.19	0.05	9.89			
QP	6.509M	22.14	60.00	-37.86	10.23	Neutral	-	11.91	0.26	0.07	9.90			
AV	6.509M	15.49	50.00	-34.51	10.23	Neutral	-	5.26	0.26	0.07	9.90			
QP	12.494M	29.75	60.00	-30.25	10.32	Neutral	-	19.43	0.30	0.09	9.93			
AV	12.494M	23.17	50.00	-26.83	10.32	Neutral	-	12.85	0.30	0.09	9.93			

For 4T1S <Non-beamforming Mode>

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	7.525M	10.37M	10M4G1D	6.525M	10.32M
802.11g_Nss1,(6Mbps)_4TX	16.35M	17.016M	17M0D1D	16.325M	16.767M

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

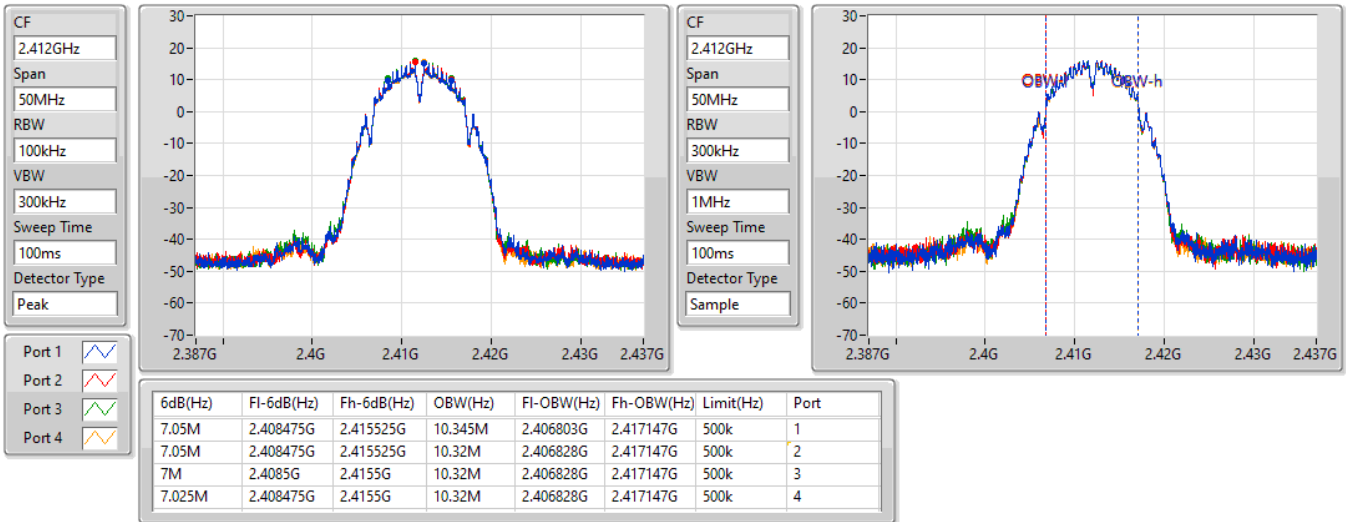
Result

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	7.05M	10.345M	7.05M	10.32M	7M	10.32M	7.025M	10.32M
2437MHz	Pass	500k	7.025M	10.345M	7.05M	10.345M	7.025M	10.32M	7.025M	10.345M
2462MHz	Pass	500k	6.525M	10.37M	7M	10.37M	7.525M	10.345M	7.025M	10.37M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.842M	16.35M	16.892M	16.35M	16.892M	16.35M	16.842M
2437MHz	Pass	500k	16.35M	16.792M	16.35M	16.767M	16.35M	16.817M	16.325M	16.842M
2462MHz	Pass	500k	16.325M	16.942M	16.325M	16.967M	16.325M	16.992M	16.35M	17.016M

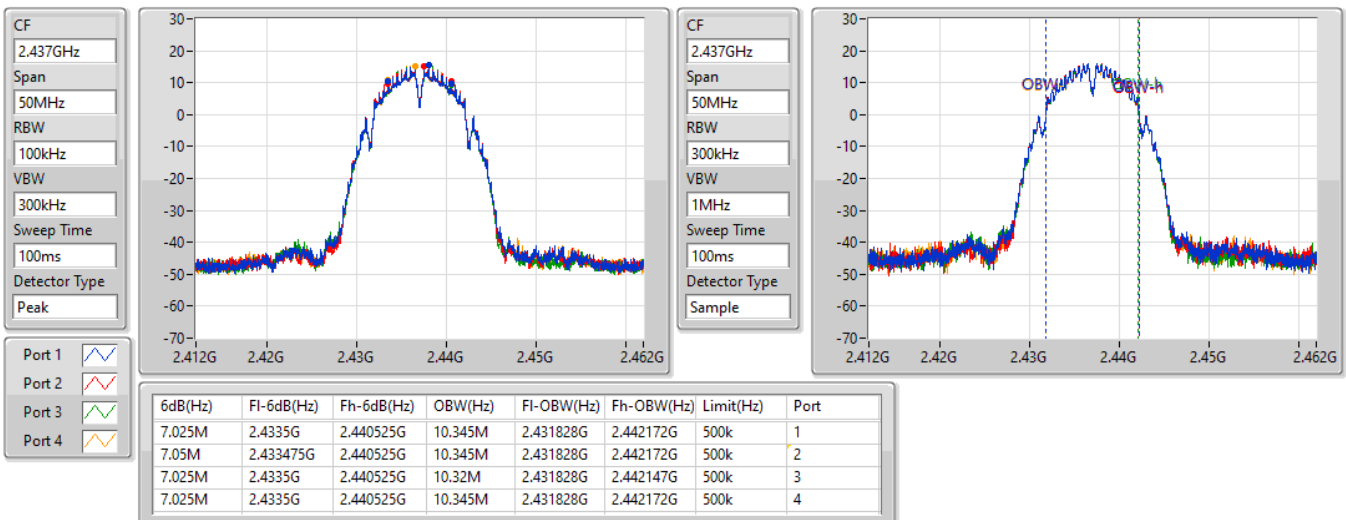
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_4TX
EBW
2412MHz

22/09/2021

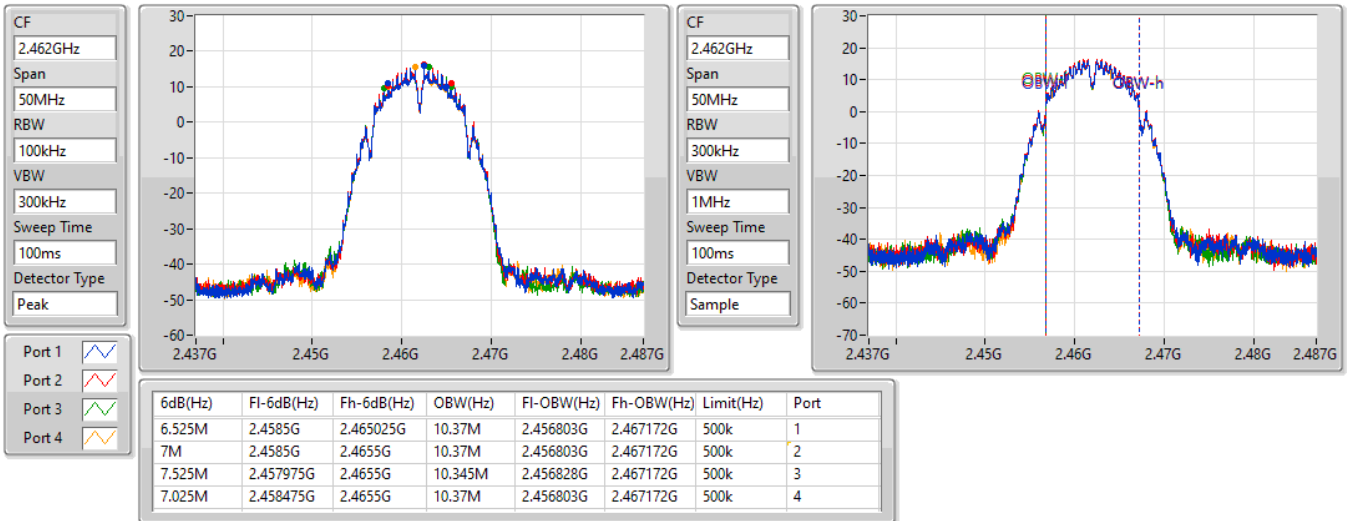

802.11b_Nss1,(1Mbps)_4TX
EBW
2437MHz

22/09/2021

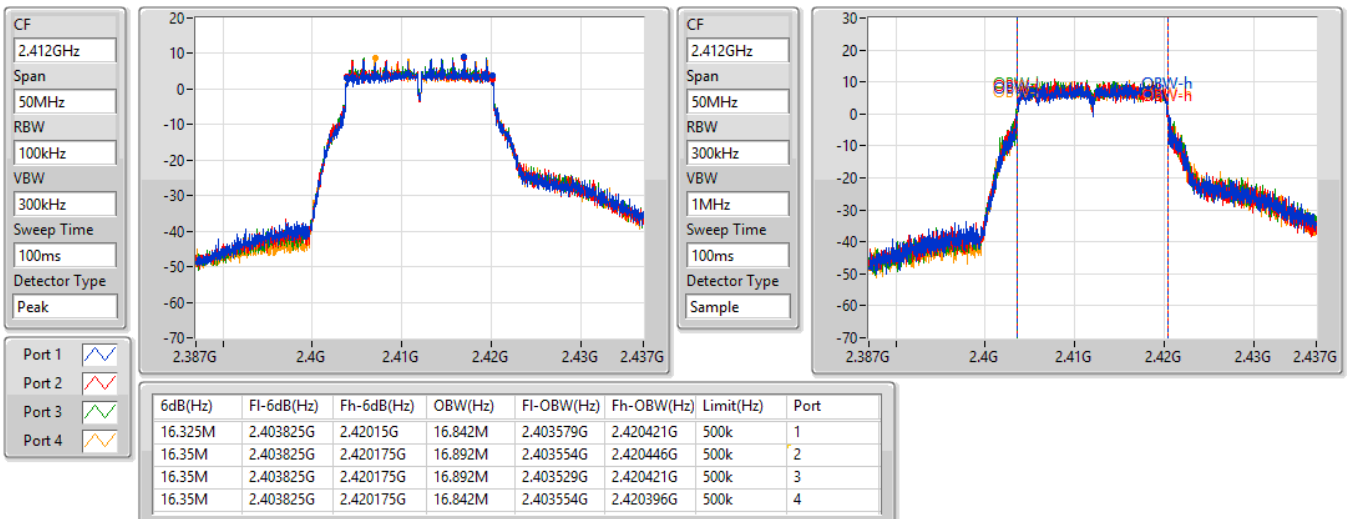


802.11b_Nss1,(1Mbps)_4TX
EBW
2462MHz

22/09/2021

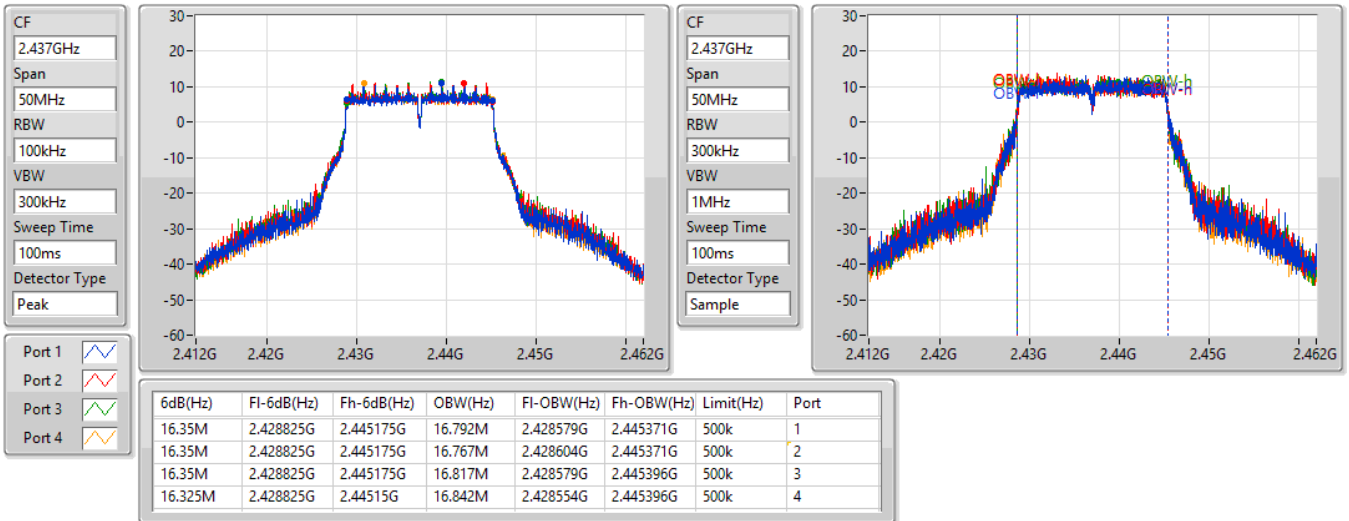

802.11g_Nss1,(6Mbps)_4TX
EBW
2412MHz

30/09/2021

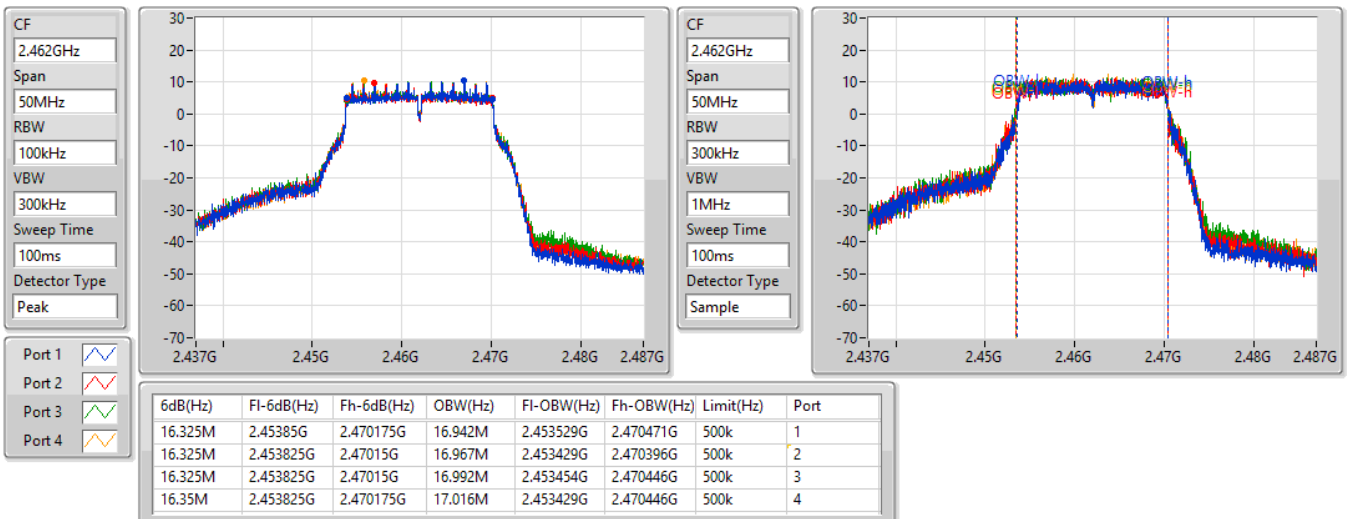


802.11g_Nss1,(6Mbps)_4TX
2437MHz

30/09/2021


802.11g_Nss1,(6Mbps)_4TX
2462MHz

30/09/2021



For 4T1S <Beamforming Mode>

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	19.025M	19.09M	19M1D1D	18.725M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.75M	38.081M	38M1D1D	37.4M	37.831M

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

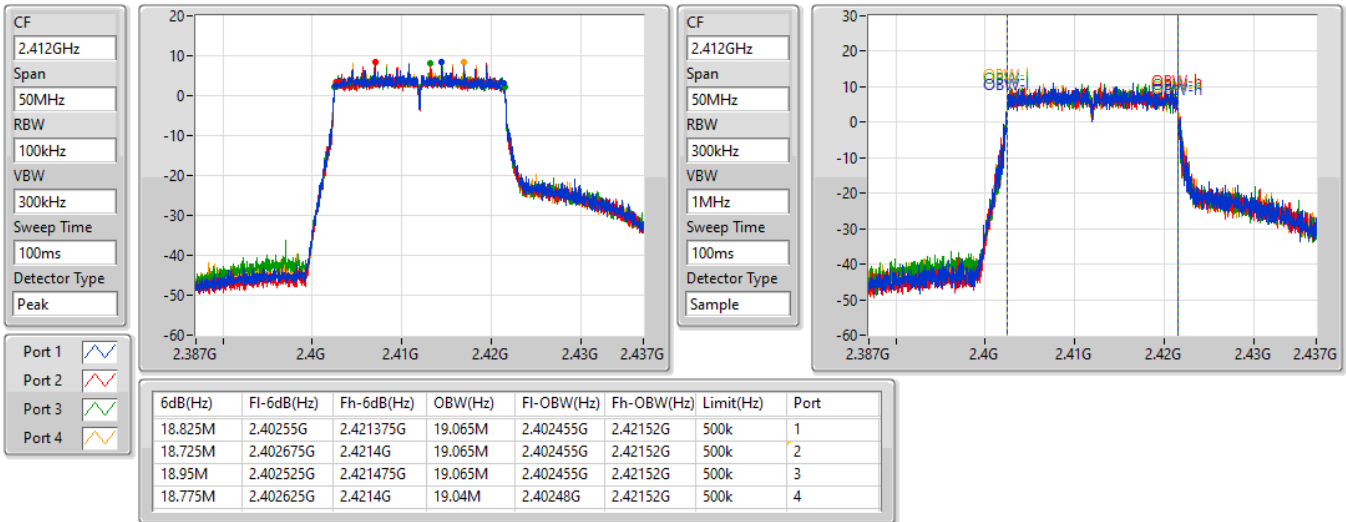
Result

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	18.825M	19.065M	18.725M	19.065M	18.95M	19.065M	18.775M	19.04M
2437MHz	Pass	500k	19.025M	19.04M	18.9M	18.991M	18.95M	19.04M	18.975M	19.015M
2462MHz	Pass	500k	18.9M	19.04M	18.85M	19.09M	18.9M	19.065M	18.875M	19.065M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.5M	38.031M	37.7M	38.081M	37.65M	37.981M	37.6M	38.031M
2437MHz	Pass	500k	37.65M	37.831M	37.55M	37.881M	37.7M	37.931M	37.75M	37.881M
2452MHz	Pass	500k	37.7M	37.981M	37.6M	38.031M	37.55M	37.931M	37.4M	38.031M

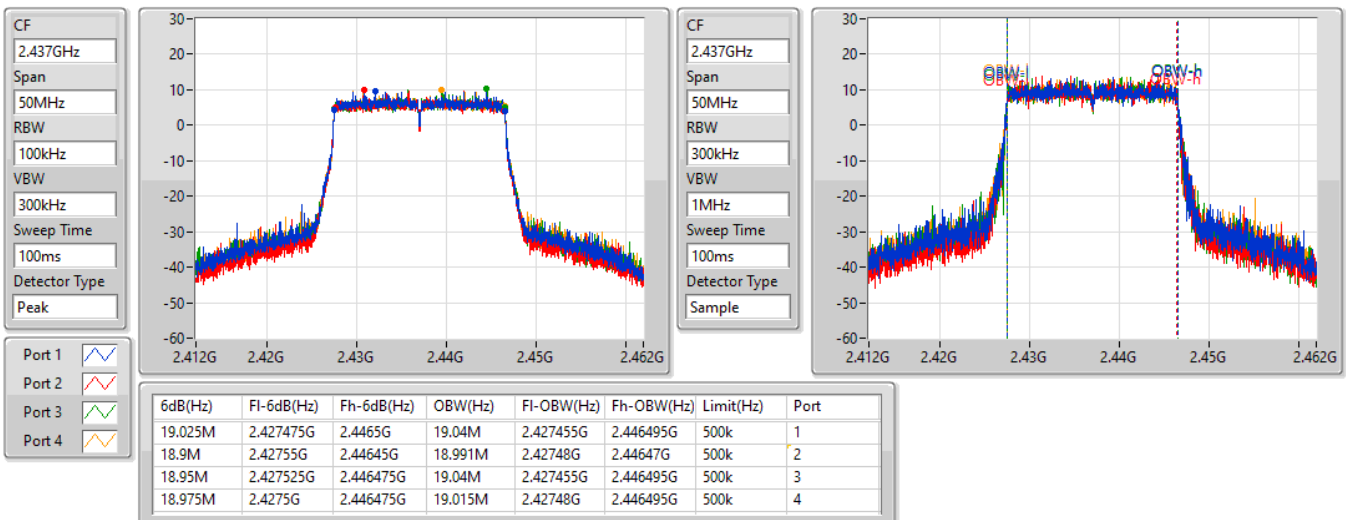
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

22/09/2021

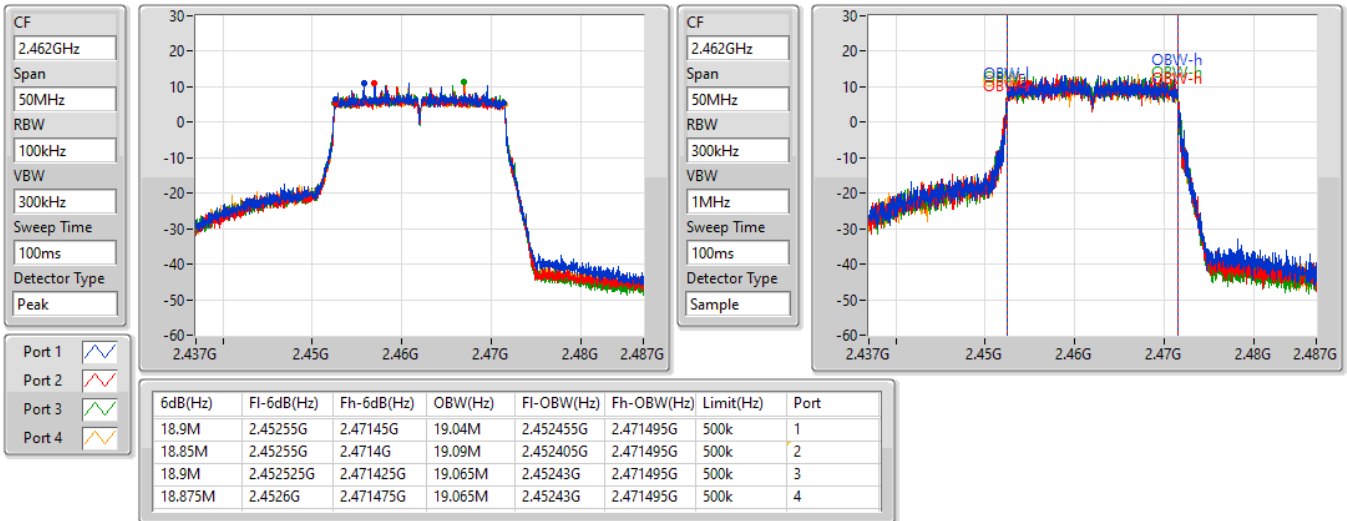

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

22/09/2021

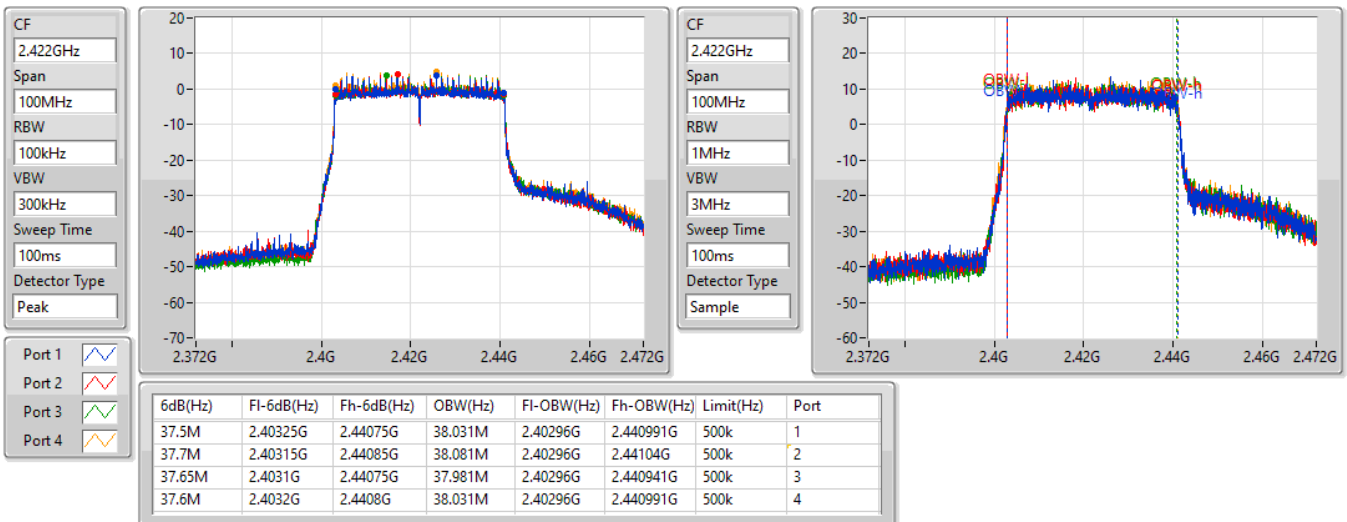


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
2462MHz

22/09/2021

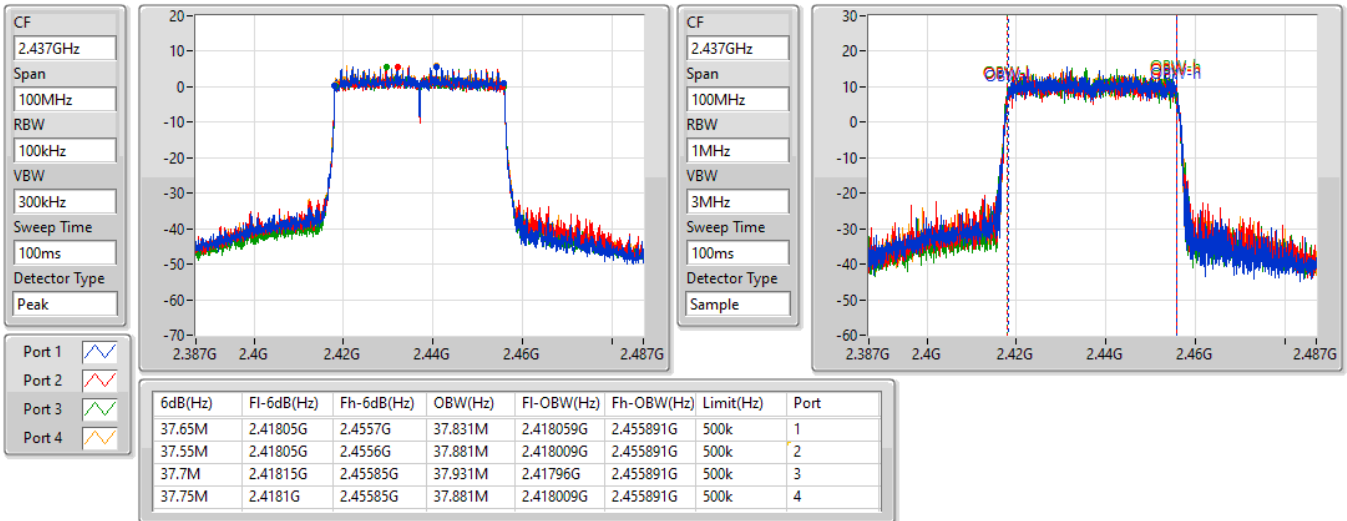

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2422MHz

21/10/2021

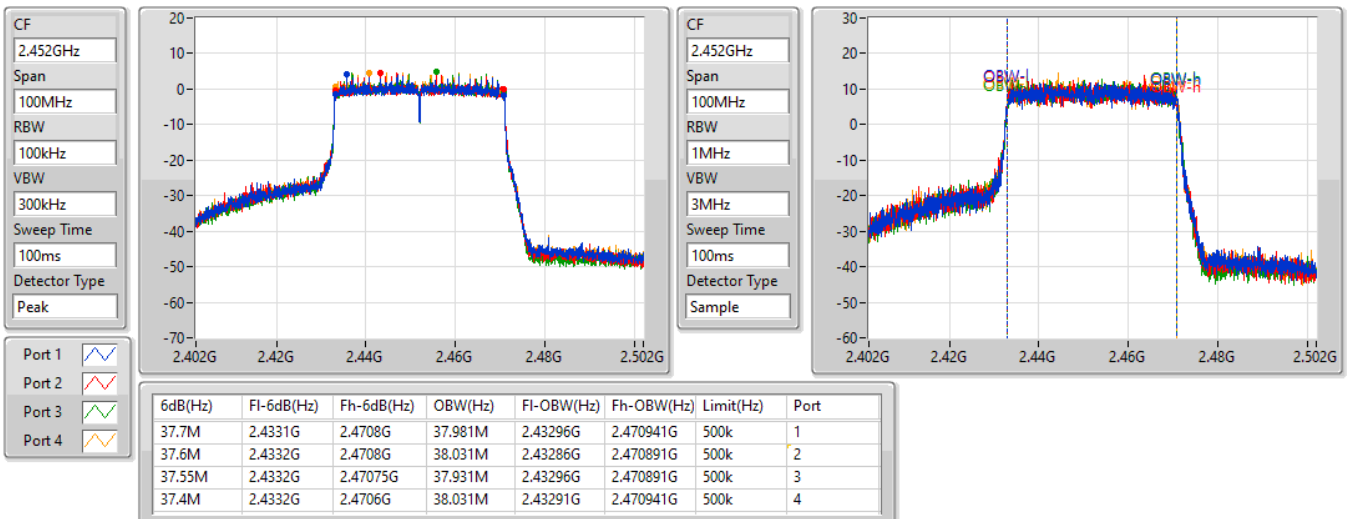


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
2437MHz

21/10/2021


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

22/09/2021



For 4T2S <Beamforming Mode>

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_Nss2,(MCS0)_4TX	19M	19.09M	19M1D1D	18.7M	18.991M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	37.75M	38.081M	38M1D1D	37.45M	37.881M

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

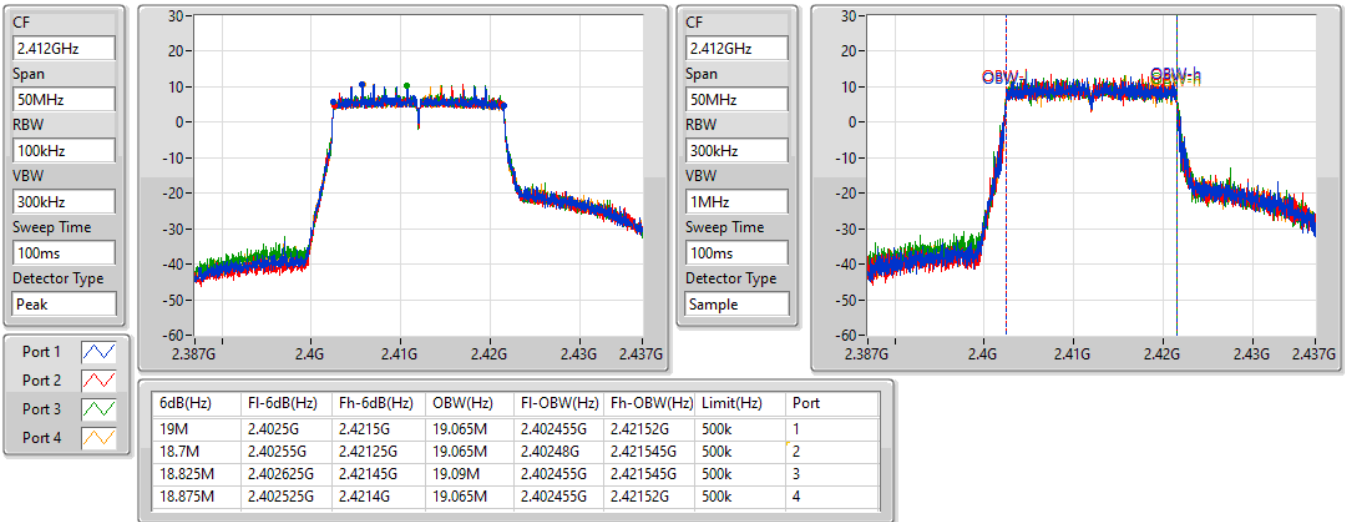
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.065M	18.7M	19.065M	18.825M	19.09M	18.875M	19.065M
2437MHz	Pass	500k	18.975M	18.991M	18.8M	19.015M	18.95M	19.015M	18.975M	19.04M
2462MHz	Pass	500k	18.925M	19.04M	18.725M	19.065M	18.75M	19.09M	18.775M	19.065M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	38.031M	37.65M	37.981M	37.55M	37.981M	37.7M	37.981M
2437MHz	Pass	500k	37.7M	37.881M	37.7M	37.981M	37.7M	37.881M	37.75M	37.931M
2452MHz	Pass	500k	37.45M	37.981M	37.65M	38.031M	37.65M	38.031M	37.7M	38.081M

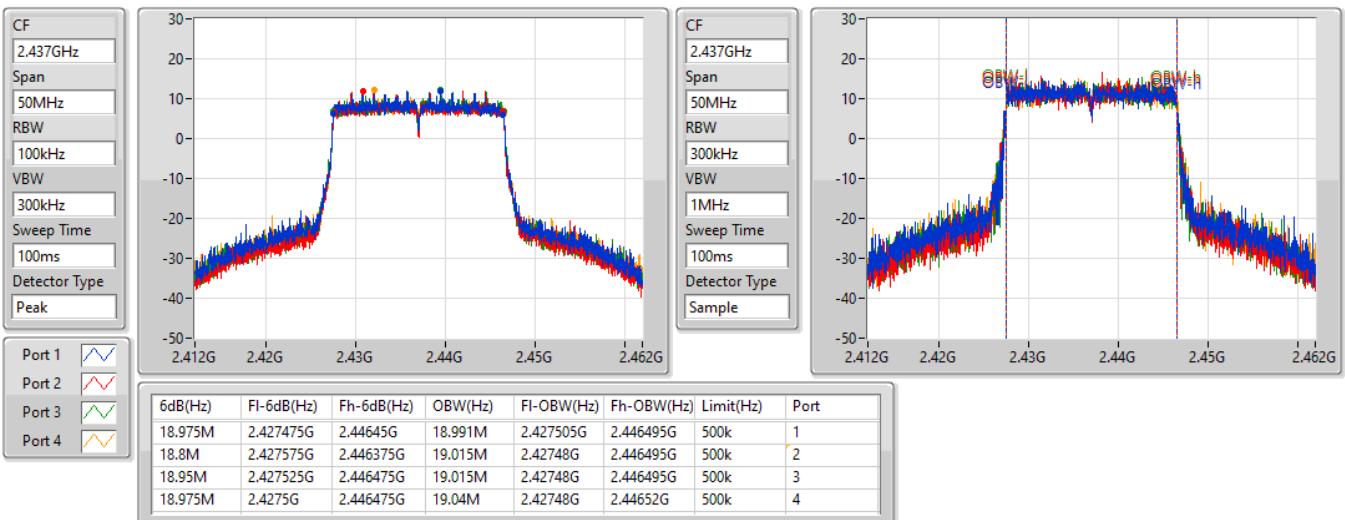
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
2412MHz

22/09/2021

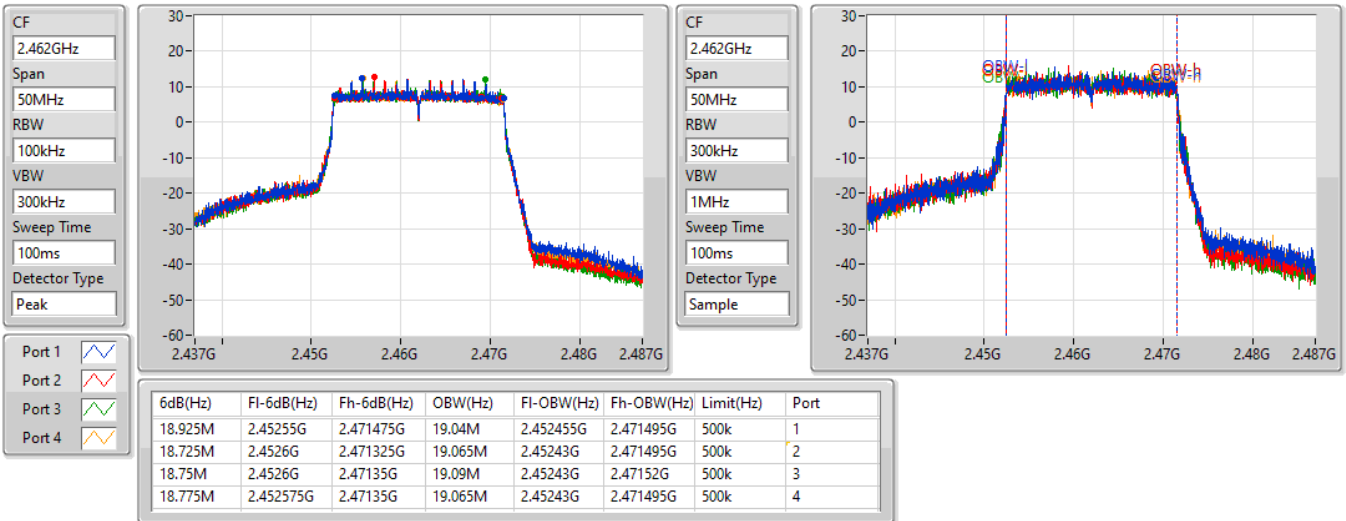

802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
2437MHz

22/09/2021

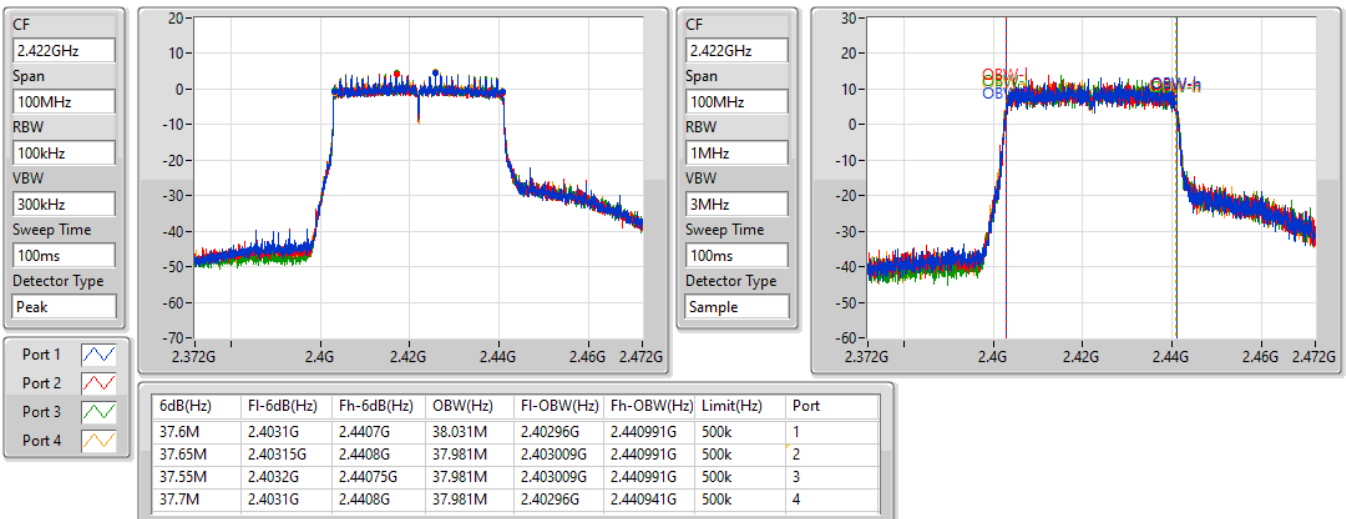


802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
2462MHz

22/09/2021

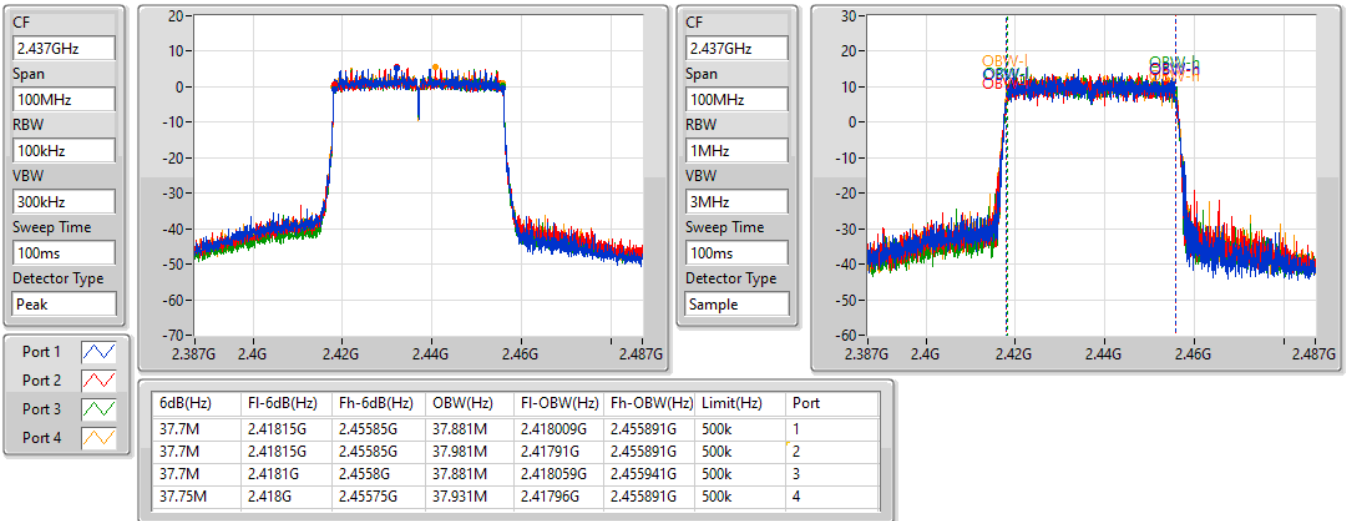

802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
2422MHz

21/10/2021

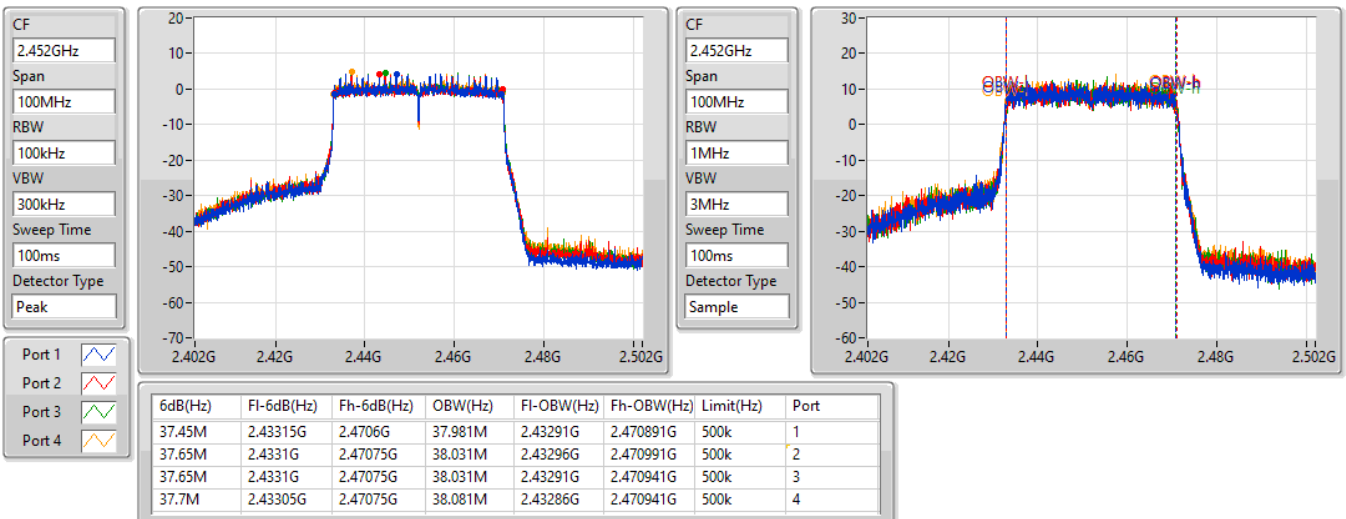


802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
2437MHz

21/10/2021


802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
2452MHz

21/10/2021





For 4T1S <Non-beamforming Mode>

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.95	0.98855
802.11g_Nss1,(6Mbps)_4TX	29.92	0.98175



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	2.93	23.73	24.01	23.75	23.53	29.78	30.00
2437MHz	Pass	2.93	23.51	23.95	23.84	23.64	29.76	30.00
2462MHz	Pass	2.93	23.68	24.23	24.09	23.70	29.95	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.93	20.69	20.85	21.33	20.87	26.96	30.00
2437MHz	Pass	2.93	23.82	24.01	24.07	23.67	29.92	30.00
2462MHz	Pass	2.93	22.19	22.15	22.07	22.11	28.15	30.00

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



For 4T1S <Beamforming Mode>

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.64	0.92045
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	26.94	0.49431

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	6.34	19.51	19.46	19.53	19.57	25.54	29.66
2437MHz	Pass	6.34	23.69	23.52	23.78	23.47	29.64	29.66
2462MHz	Pass	6.34	22.55	22.50	22.74	22.51	28.60	29.66
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.34	18.69	18.75	18.94	19.41	24.98	29.66
2437MHz	Pass	6.34	20.86	20.64	20.95	21.21	26.94	29.66
2452MHz	Pass	6.34	18.68	18.84	18.65	19.17	24.86	29.66

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



For 4T2S <Beamforming Mode>

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	29.96	0.99083
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	26.49	0.44566

**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_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.34	21.74	21.53	21.87	21.78	27.75	30.00
2437MHz	Pass	3.34	23.87	23.82	23.98	24.09	29.96	30.00
2462MHz	Pass	3.34	23.55	23.41	23.52	23.33	29.47	30.00
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.34	18.96	18.96	19.04	19.26	25.08	30.00
2437MHz	Pass	3.34	20.41	20.39	20.42	20.66	26.49	30.00
2452MHz	Pass	3.34	19.00	19.04	19.42	19.59	25.29	30.00

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

For 4T1S <Non-beamforming Mode>

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	5.04
802.11g_Nss1,(6Mbps)_4TX	1.47

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	6.34	0.66	1.64	0.60	0.00	4.56	7.66
2437MHz	Pass	6.34	0.97	0.28	-0.03	1.06	5.04	7.66
2462MHz	Pass	6.34	0.24	1.92	0.83	0.79	4.85	7.66
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.34	-6.45	-6.49	-6.12	-6.60	-2.26	7.66
2437MHz	Pass	6.34	-2.19	-3.65	-2.85	-3.50	1.47	7.66
2462MHz	Pass	6.34	-4.83	-4.92	-4.53	-5.60	-0.71	7.66

DG = Directional Gain; RBW = 3kHz;

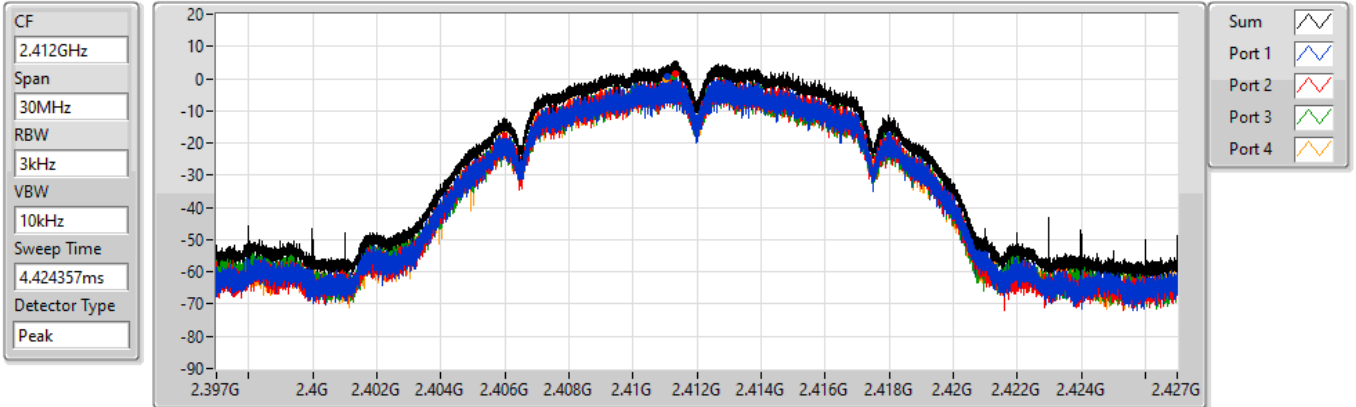
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

22/09/2021



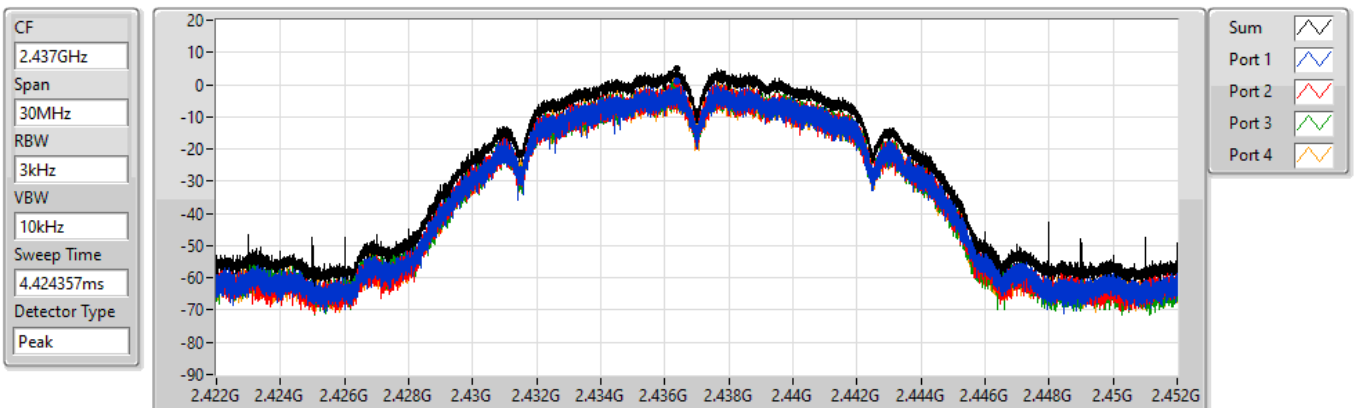
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.56	4.56	0.66	1.64	0.60	0.00

802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

22/09/2021



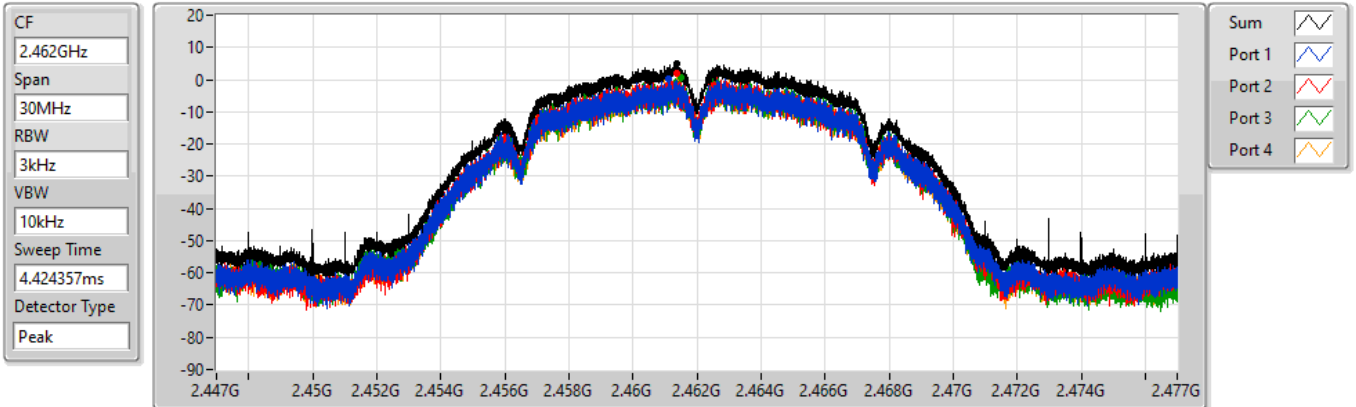
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.04	5.04	0.97	0.28	-0.03	1.06

802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

22/09/2021



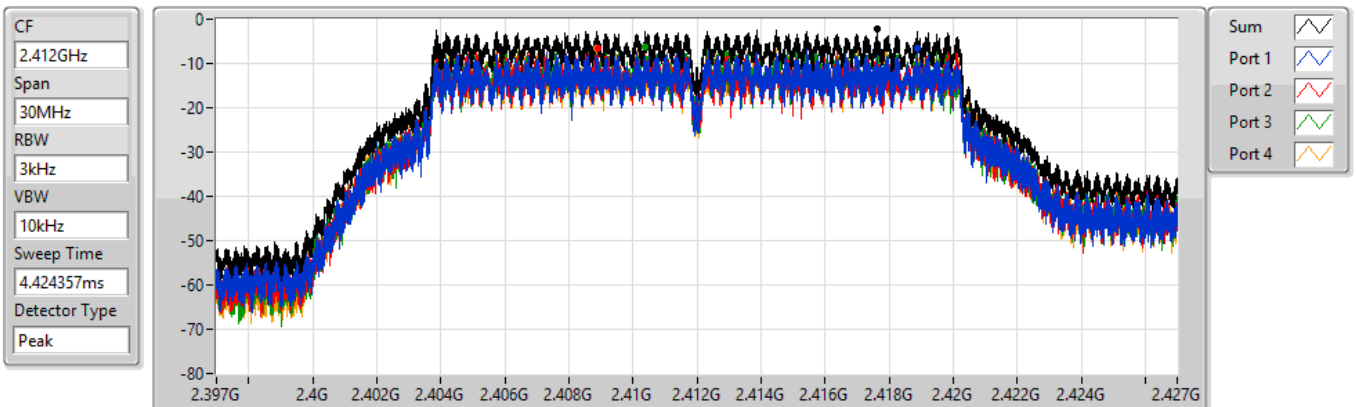
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.85	4.85	0.24	1.92	0.83	0.79

802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

30/09/2021



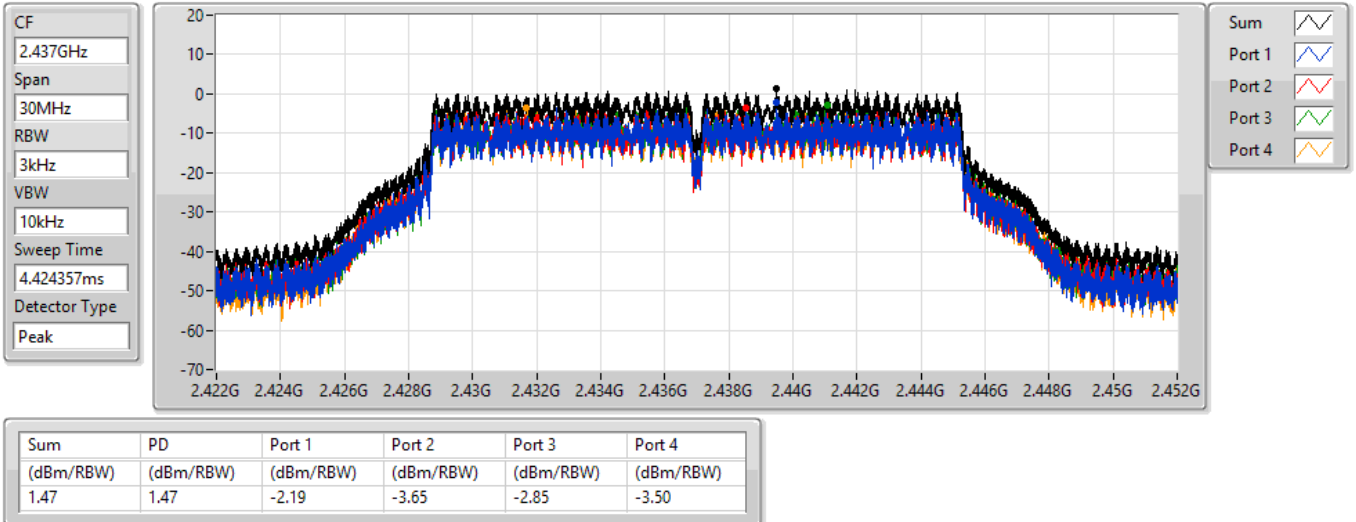
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.26	-2.26	-6.45	-6.49	-6.12	-6.60

802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

30/09/2021

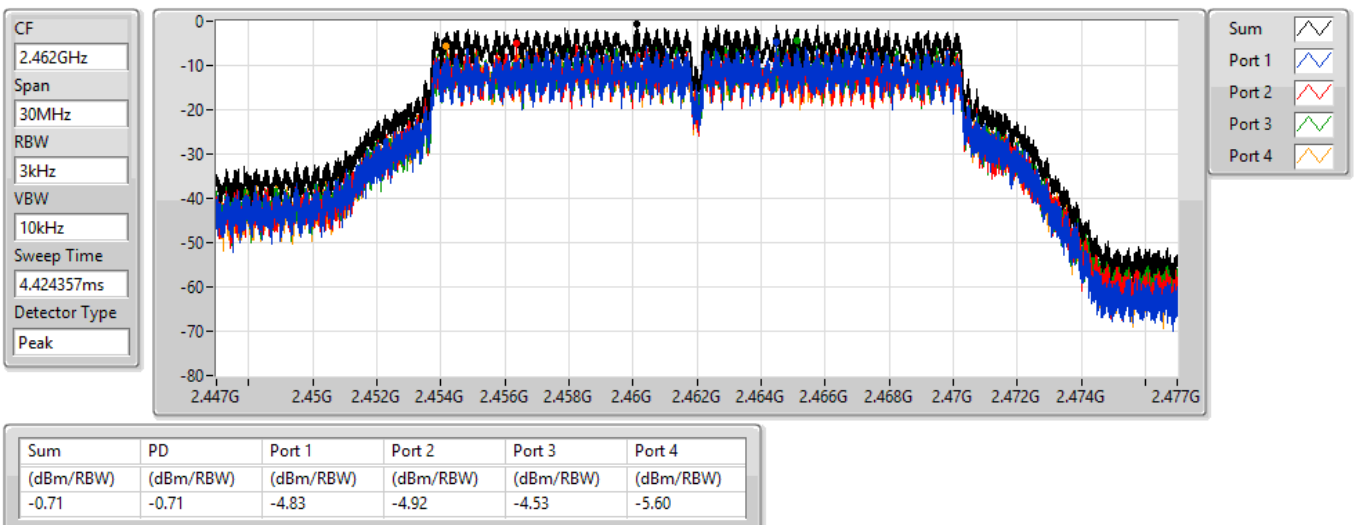


802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

30/09/2021



For 4T1S <Beamforming Mode>

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	1.48
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-4.83

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	6.34	-6.95	-7.74	-7.65	-7.01	-4.22	7.66
2437MHz	Pass	6.34	-1.18	-1.88	-1.48	-2.28	1.48	7.66
2462MHz	Pass	6.34	-2.75	-3.56	-3.95	-4.37	0.30	7.66
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.34	-11.83	-10.99	-10.79	-10.08	-6.75	7.66
2437MHz	Pass	6.34	-8.76	-10.02	-9.40	-8.57	-4.83	7.66
2452MHz	Pass	6.34	-9.90	-10.50	-9.97	-9.49	-6.32	7.66

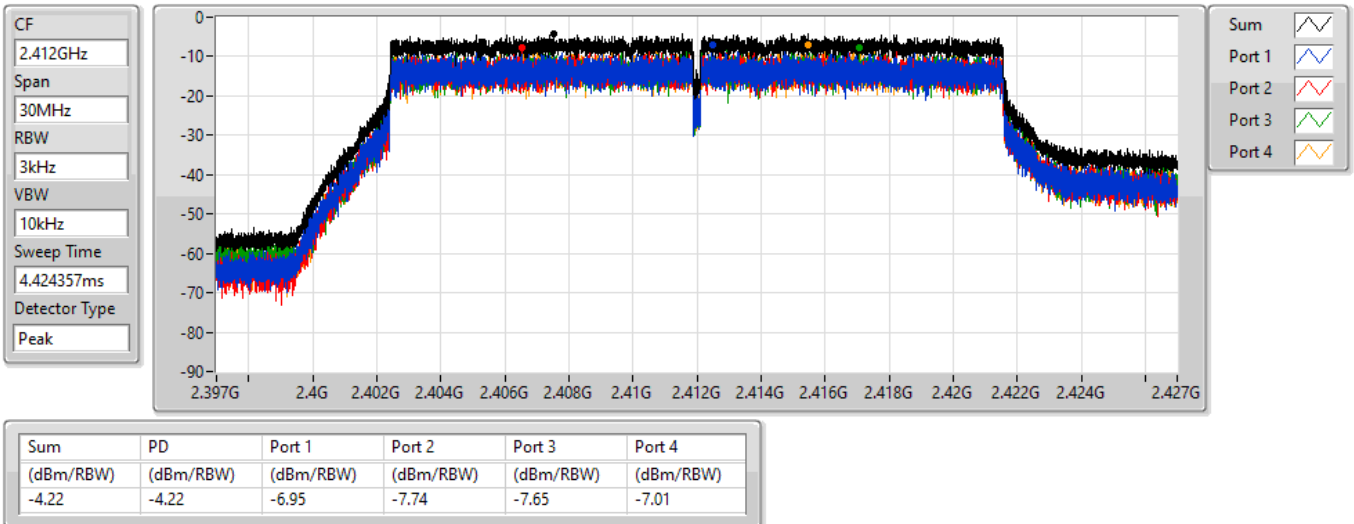
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2412MHz

22/09/2021

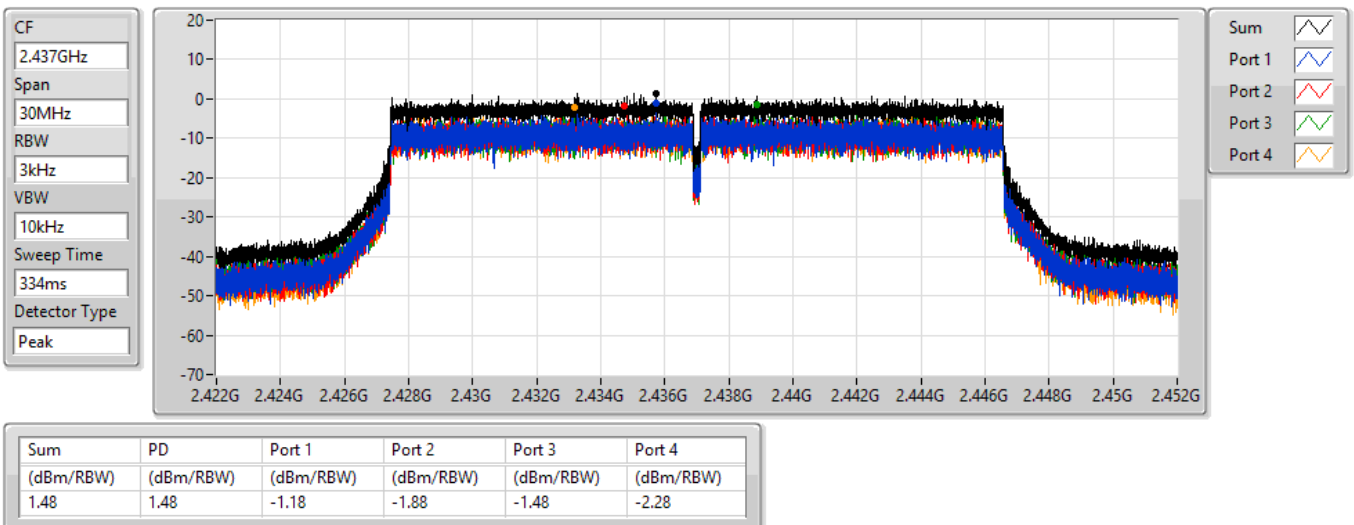


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

07/10/2021

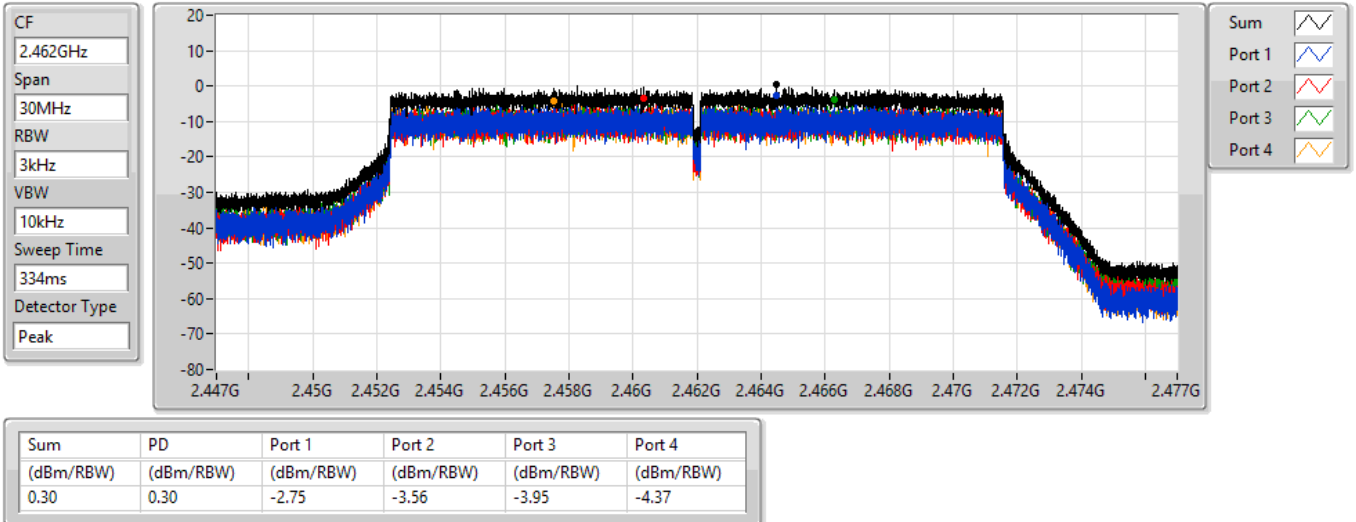


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz

PSD

07/10/2021

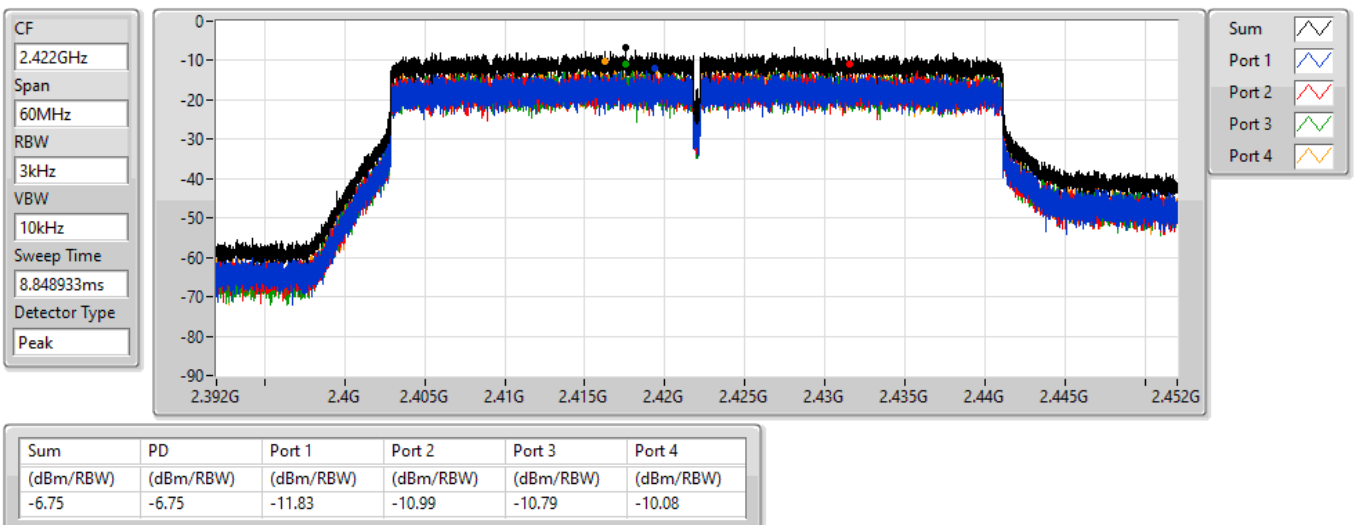


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz

PSD

21/10/2021

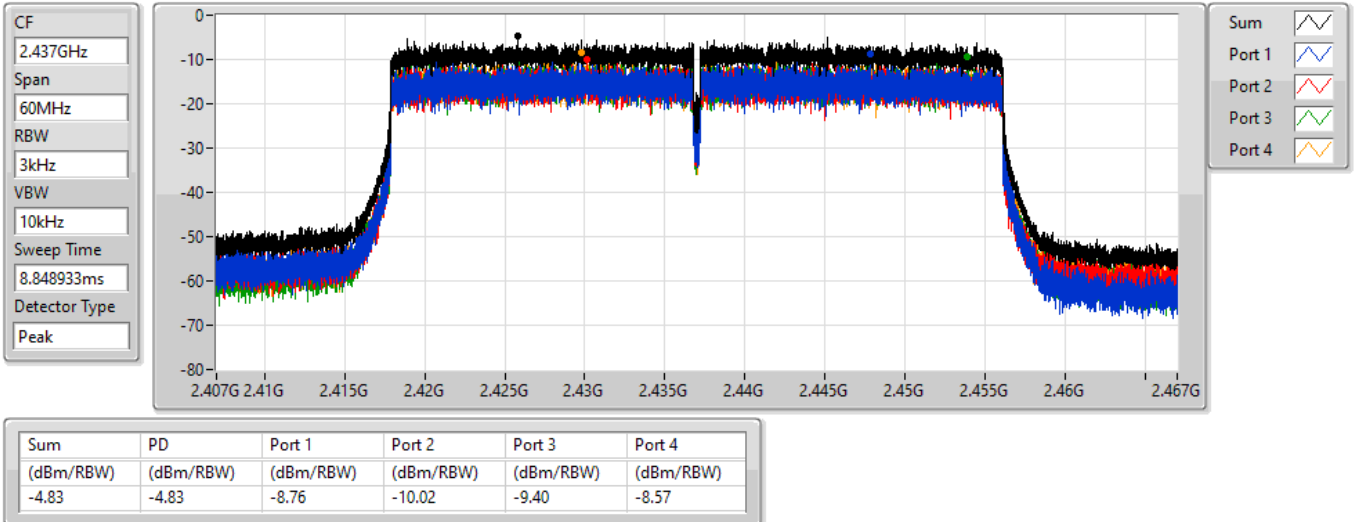


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

21/10/2021

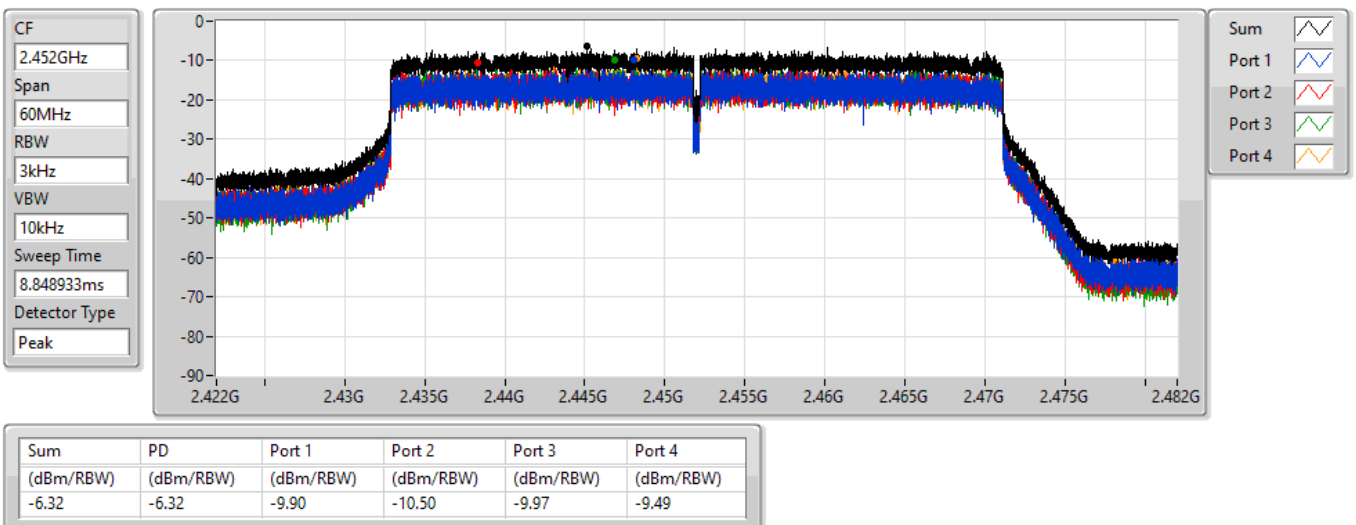


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

22/09/2021



For 4T2S <Beamforming Mode>

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	1.07
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-5.35

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_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.34	-4.92	-4.82	-4.58	-5.75	-0.67	8.00
2437MHz	Pass	3.34	-3.45	-3.50	-2.35	-3.04	1.07	8.00
2462MHz	Pass	3.34	-3.53	-3.31	-3.61	-3.04	0.97	8.00
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.34	-11.07	-11.34	-11.29	-11.34	-6.78	8.00
2437MHz	Pass	3.34	-10.08	-10.01	-9.23	-8.95	-5.35	8.00
2452MHz	Pass	3.34	-10.97	-9.83	-11.12	-10.37	-6.49	8.00

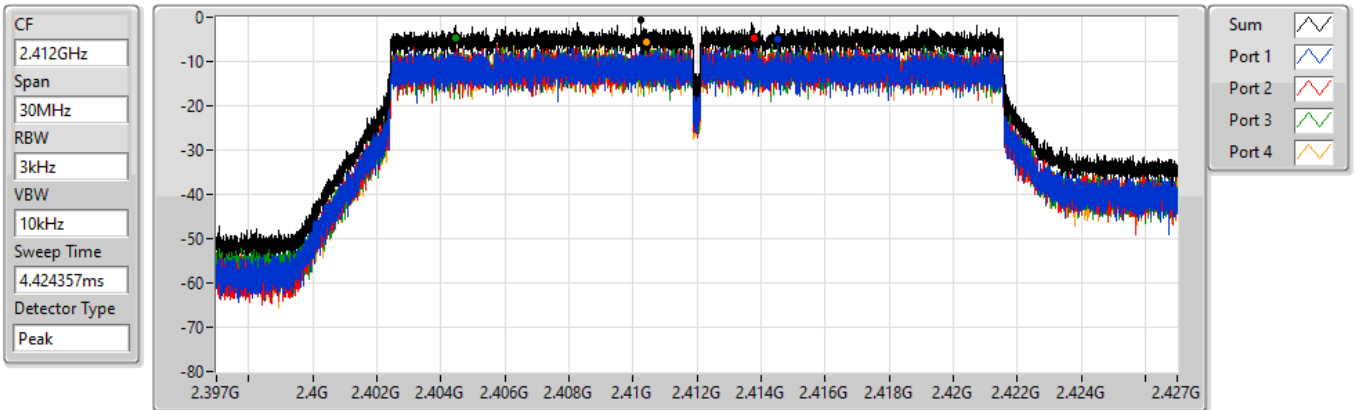
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

2412MHz

22/09/2021



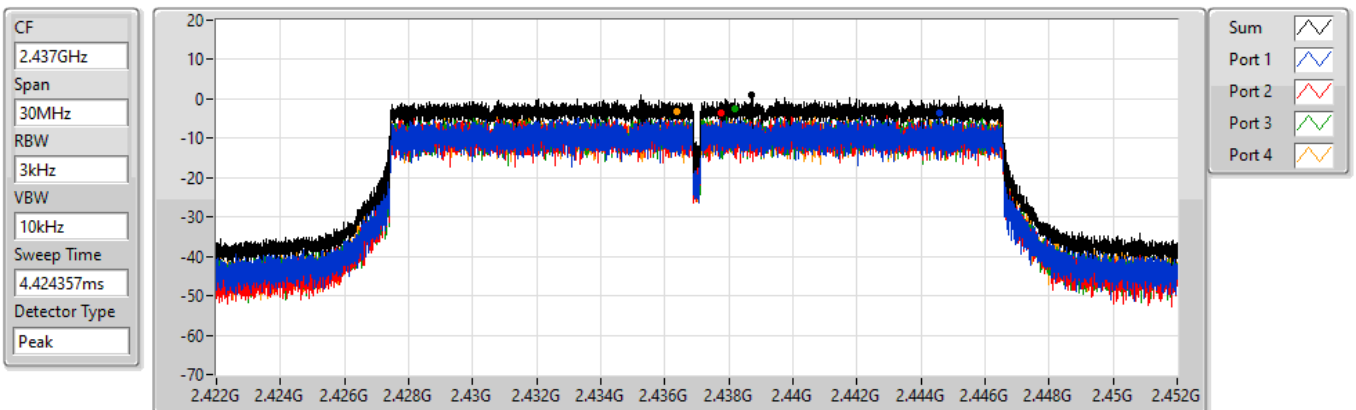
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.67	-0.67	-4.92	-4.82	-4.58	-5.75

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

2437MHz

22/09/2021



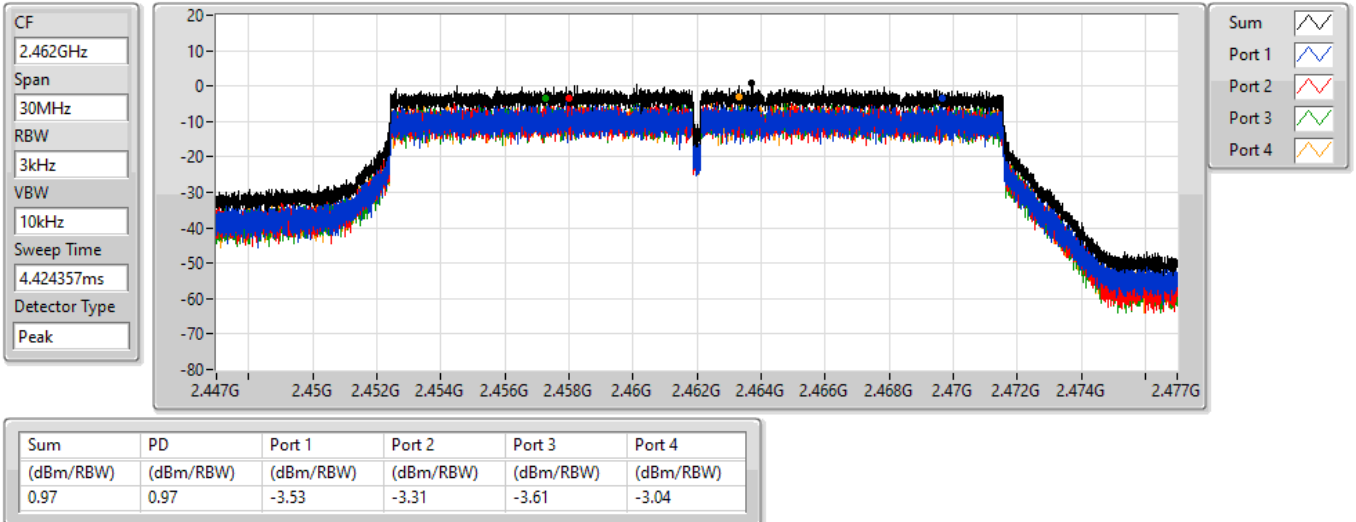
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.07	1.07	-3.45	-3.50	-2.35	-3.04

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

2462MHz

22/09/2021

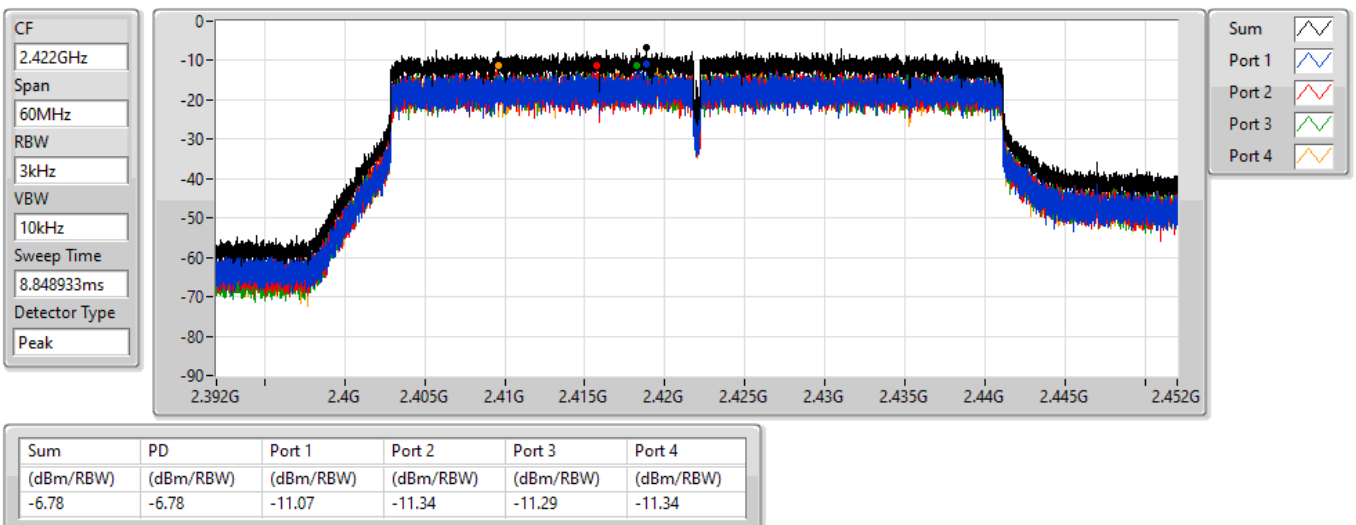


802.11ax HEW40-BF_Nss2,(MCS0)_4TX

PSD

2422MHz

21/10/2021

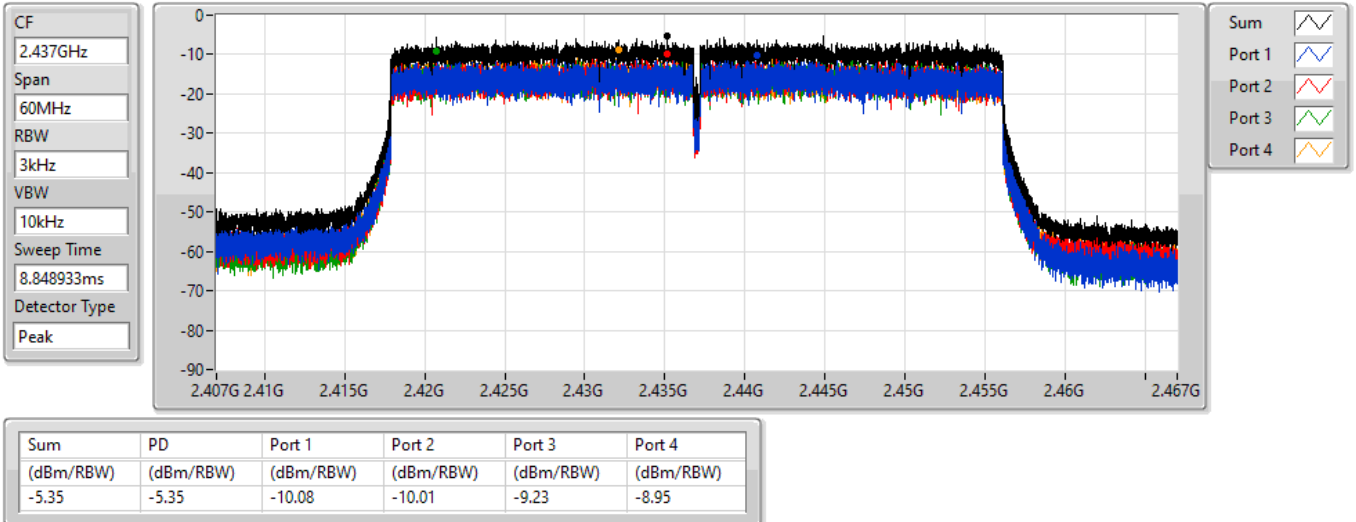


802.11ax HEW40-BF_Nss2,(MCS0)_4TX

PSD

2437MHz

21/10/2021

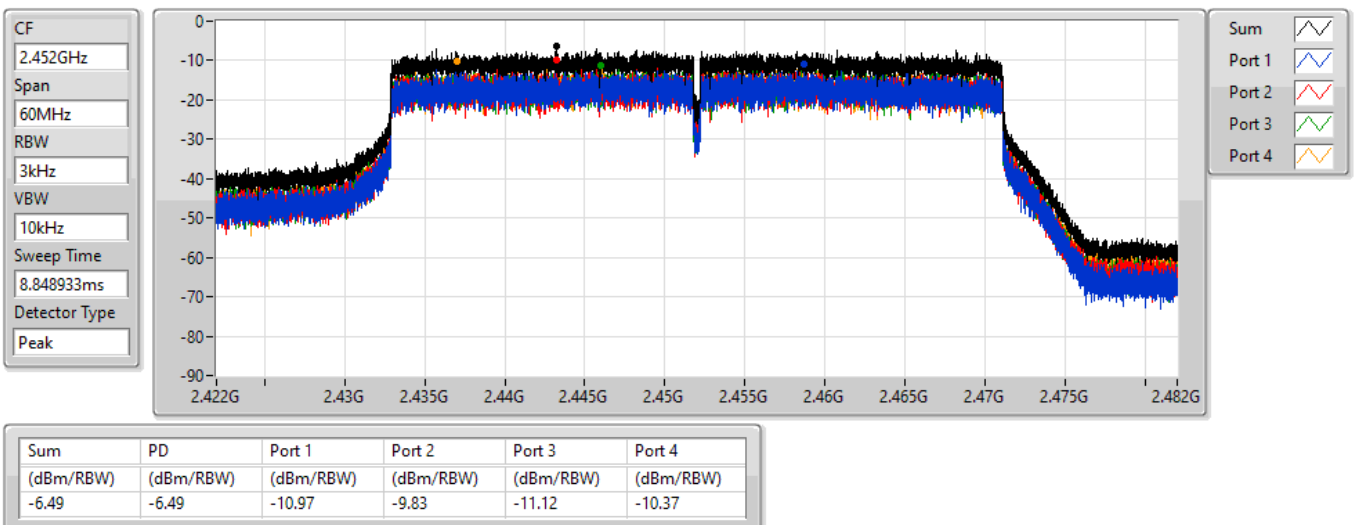


802.11ax HEW40-BF_Nss2,(MCS0)_4TX

PSD

2452MHz

21/10/2021





For 4T1S <Non-beamforming Mode>

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	2.4615G	15.52	-14.48	2.127G	-49.53	2.39798G	-38.09	2.4G	-44.56	2.48478G	-47.98	17.69795G	-45.34	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.44451G	11.24	-18.76	2.3G	-50.14	2.39988G	-37.85	2.4G	-33.81	2.4956G	-49.33	24.9129G	-46.37	3

Result

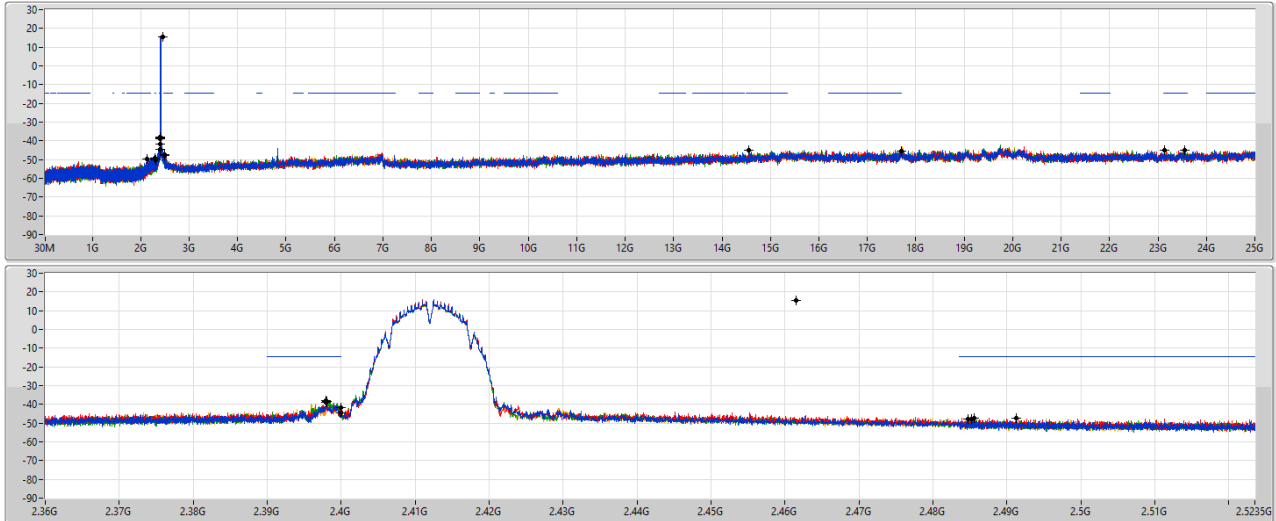
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1.(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4615G	15.52	-14.48	2.30292G	-49.99	2.39802G	-38.39	2.4G	-44.38	2.48516G	-47.63	23.55588G	-44.86	1
2412MHz	Pass	2.4615G	15.52	-14.48	2.30874G	-50.28	2.39802G	-38.50	2.4G	-41.89	2.4856G	-47.44	14.55405G	-44.94	2
2412MHz	Pass	2.4615G	15.52	-14.48	2.127G	-49.53	2.39798G	-38.09	2.4G	-44.56	2.48478G	-47.98	17.69795G	-45.34	3
2412MHz	Pass	2.4615G	15.52	-14.48	2.30146G	-49.04	2.39798G	-38.81	2.4G	-44.71	2.4913G	-47.48	23.13726G	-44.88	4
2437MHz	Pass	2.4615G	15.52	-14.48	2.30991G	-50.16	2.39774G	-45.35	2.4835G	-49.52	2.48424G	-46.77	23.54184G	-44.92	1
2437MHz	Pass	2.4615G	15.52	-14.48	2.30059G	-49.80	2.39484G	-45.24	2.4835G	-48.34	2.50874G	-45.81	23.49407G	-44.59	2
2437MHz	Pass	2.4615G	15.52	-14.48	2.19282G	-49.36	2.3904G	-46.00	2.4835G	-47.88	2.48444G	-46.23	21.74653G	-44.59	3
2437MHz	Pass	2.4615G	15.52	-14.48	2.30292G	-49.24	2.39918G	-45.42	2.4G	-47.88	2.48434G	-46.81	15.27329G	-44.40	4
2462MHz	Pass	2.4615G	15.52	-14.48	2.30379G	-49.67	2.39738G	-46.46	2.4835G	-45.18	2.48656G	-43.85	17.69795G	-44.65	1
2462MHz	Pass	2.4615G	15.52	-14.48	2.30262G	-51.09	2.3953G	-47.37	2.4835G	-47.52	2.48712G	-44.37	23.42384G	-44.70	2
2462MHz	Pass	2.4615G	15.52	-14.48	2.3067G	-51.22	2.39994G	-47.55	2.4835G	-45.17	2.49398G	-44.76	24.87638G	-44.67	3
2462MHz	Pass	2.4615G	15.52	-14.48	2.30029G	-49.99	2.39862G	-46.36	2.4835G	-47.63	2.48808G	-44.72	15.3323G	-44.87	4
802.11g_Nss1.(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	11.24	-18.76	47.77M	-48.63	2.39702G	-34.53	2.4G	-36.51	2.48438G	-49.02	24.50833G	-46.89	1
2412MHz	Pass	2.44451G	11.24	-18.76	47.77M	-50.61	2.39768G	-36.55	2.4G	-37.27	2.5088G	-49.85	6.50746G	-46.40	2
2412MHz	Pass	2.44451G	11.24	-18.76	2.3G	-50.14	2.39988G	-37.85	2.4G	-33.81	2.4956G	-49.33	24.9129G	-46.37	3
2412MHz	Pass	2.44451G	11.24	-18.76	47.77M	-49.85	2.39998G	-36.55	2.4G	-37.37	2.49144G	-49.23	23.22998G	-47.03	4
2437MHz	Pass	2.44451G	11.24	-18.76	47.77M	-49.50	2.39008G	-45.24	2.4G	-48.59	2.49112G	-46.47	23.55588G	-47.14	1
2437MHz	Pass	2.44451G	11.24	-18.76	2.30699G	-49.80	2.39634G	-45.50	2.4G	-47.79	2.4861G	-46.03	17.1838G	-46.06	2
2437MHz	Pass	2.44451G	11.24	-18.76	2.30146G	-50.17	2.39898G	-46.02	2.4835G	-48.30	2.48424G	-46.67	17.46756G	-46.58	3
2437MHz	Pass	2.44451G	11.24	-18.76	2.30583G	-50.27	2.39456G	-44.53	2.4G	-46.24	2.48372G	-47.00	6.70413G	-46.64	4
2462MHz	Pass	2.44451G	11.24	-18.76	47.77M	-47.25	2.39836G	-48.94	2.4835G	-48.83	2.48732G	-44.38	17.04332G	-46.97	1
2462MHz	Pass	2.44451G	11.24	-18.76	47.77M	-49.25	2.39124G	-47.24	2.4835G	-47.04	2.48794G	-44.35	15.0991G	-46.65	2
2462MHz	Pass	2.44451G	11.24	-18.76	47.77M	-51.27	2.39686G	-48.07	2.4835G	-44.10	2.48356G	-43.11	6.06355G	-46.66	3
2462MHz	Pass	2.44451G	11.24	-18.76	2.14185G	-51.99	2.39886G	-48.50	2.4835G	-45.53	2.48442G	-44.11	16.76517G	-46.63	4

802.11b_Nss1,(1Mbps)_4TX

CSENdB

2412MHz

22/09/2021



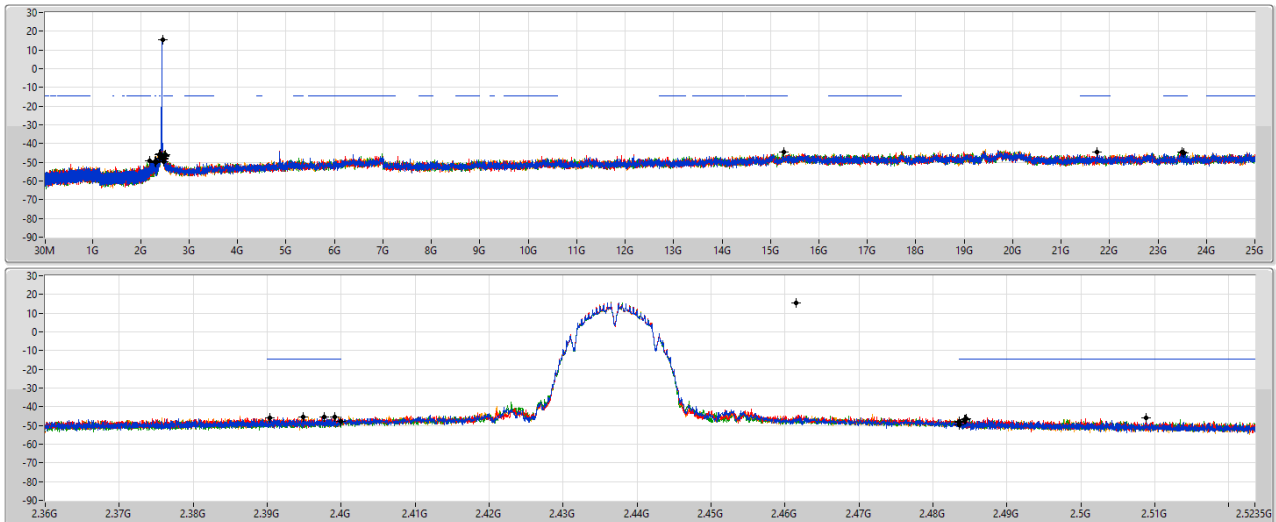
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4615G	15.52	-14.48	2.30292G	-49.99	2.39802G	-38.39	2.4G	-44.38	2.48516G	-47.63	23.55588G	-44.86	1
2.4615G	15.52	-14.48	2.30874G	-50.28	2.39802G	-38.50	2.4G	-41.89	2.4856G	-47.44	14.55405G	-44.94	2
2.4615G	15.52	-14.48	2.127G	-49.53	2.39798G	-38.09	2.4G	-44.56	2.48478G	-47.98	17.69795G	-45.34	3
2.4615G	15.52	-14.48	2.30146G	-49.04	2.39798G	-38.81	2.4G	-44.71	2.4913G	-47.48	23.13726G	-44.88	4

802.11b_Nss1,(1Mbps)_4TX

CSENdB

2437MHz

22/09/2021



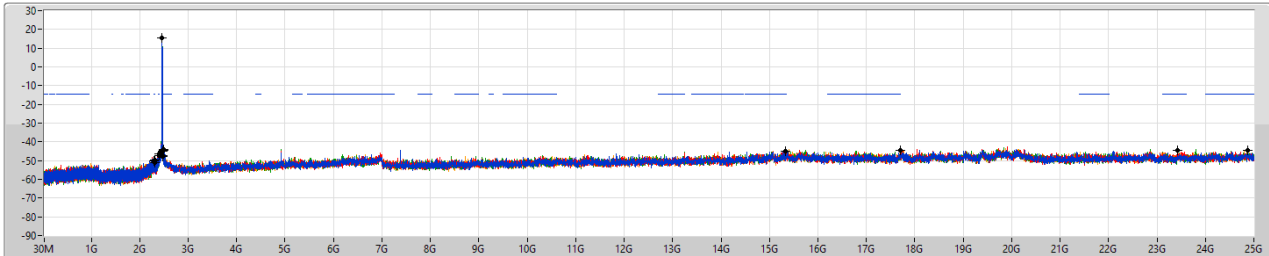
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4615G	15.52	-14.48	2.30991G	-50.16	2.39774G	-45.35	2.4835G	-49.52	2.48424G	-46.77	23.54184G	-44.92	1
2.4615G	15.52	-14.48	2.30059G	-49.80	2.39484G	-45.24	2.4835G	-48.34	2.50874G	-45.81	23.49407G	-44.59	2
2.4615G	15.52	-14.48	2.19282G	-49.36	2.3904G	-46.00	2.4835G	-47.88	2.48444G	-46.23	21.74653G	-44.59	3
2.4615G	15.52	-14.48	2.30292G	-49.24	2.39918G	-45.42	2.4G	-47.88	2.48434G	-46.81	15.27329G	-44.40	4

802.11b_Nss1,(1Mbps)_4TX

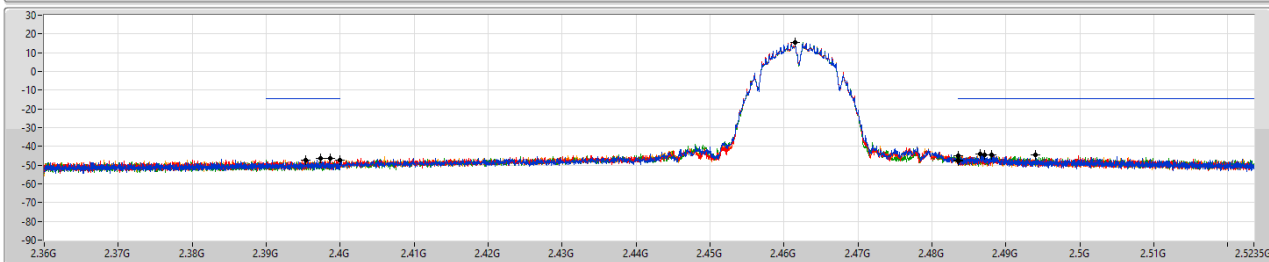
CSENdB

2462MHz

22/09/2021



Port 1
Port 2
Port 3
Port 4



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

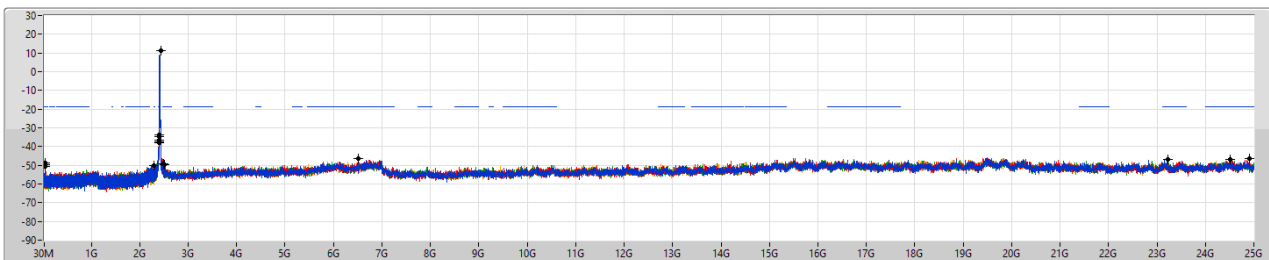
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4615G	15.52	-14.48	2.30379G	-49.67	2.39738G	-46.46	2.4835G	-45.18	2.48656G	-43.85	17.69795G	-44.65	1
2.4615G	15.52	-14.48	2.30262G	-51.09	2.3953G	-47.37	2.4835G	-47.52	2.48712G	-44.37	23.42384G	-44.70	2
2.4615G	15.52	-14.48	2.3067G	-51.22	2.39994G	-47.55	2.4835G	-45.17	2.49398G	-44.76	24.87638G	-44.67	3
2.4615G	15.52	-14.48	2.30029G	-49.99	2.39862G	-46.36	2.4835G	-47.63	2.48808G	-44.72	15.3323G	-44.87	4

802.11g_Nss1,(6Mbps)_4TX

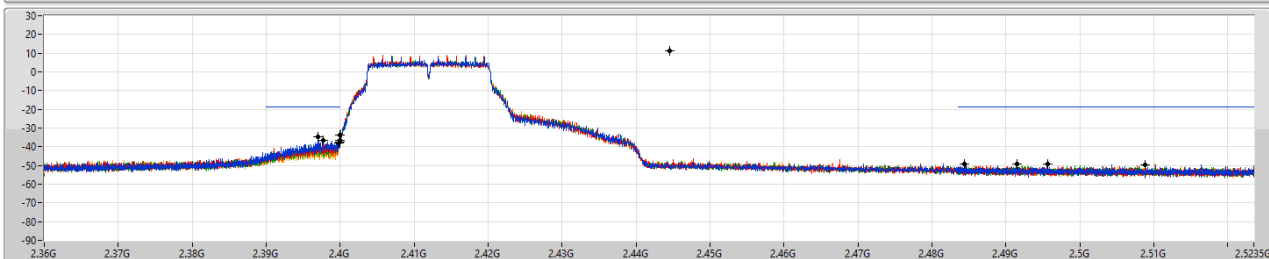
CSENdB

2412MHz

30/09/2021



Port 1
Port 2
Port 3
Port 4



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

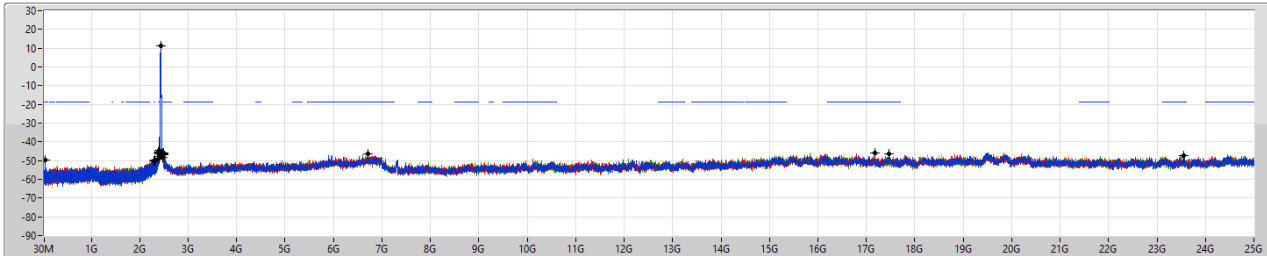
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	11.24	-18.76	47.77M	-46.63	2.39702G	-34.53	2.4G	-36.51	2.48438G	-49.02	24.50833G	-46.89	1
2.44451G	11.24	-18.76	47.77M	-50.61	2.39768G	-36.55	2.4G	-37.27	2.5088G	-49.85	6.50746G	-46.40	2
2.44451G	11.24	-18.76	2.3G	-50.14	2.39888G	-37.85	2.4G	-33.81	2.4956G	-49.33	24.9129G	-46.37	3
2.44451G	11.24	-18.76	47.77M	-49.85	2.39998G	-36.55	2.4G	-37.37	2.49144G	-49.23	23.22998G	-47.03	4

802.11g_Nss1,(6Mbps)_4TX

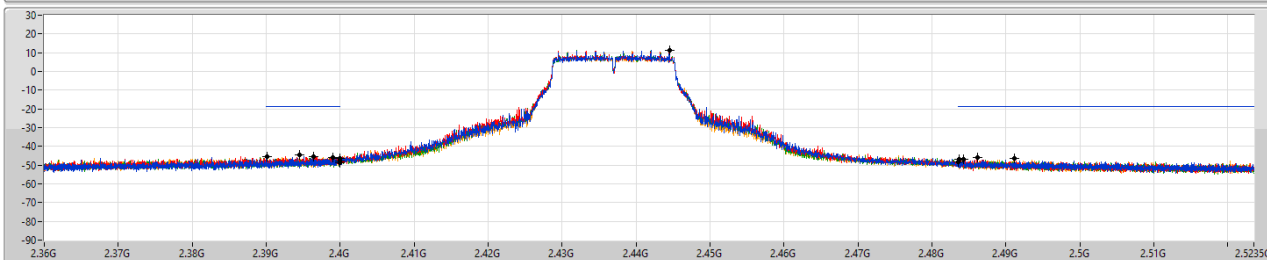
2437MHz

CSENdB

30/09/2021



Port 1
Port 2
Port 3
Port 4



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

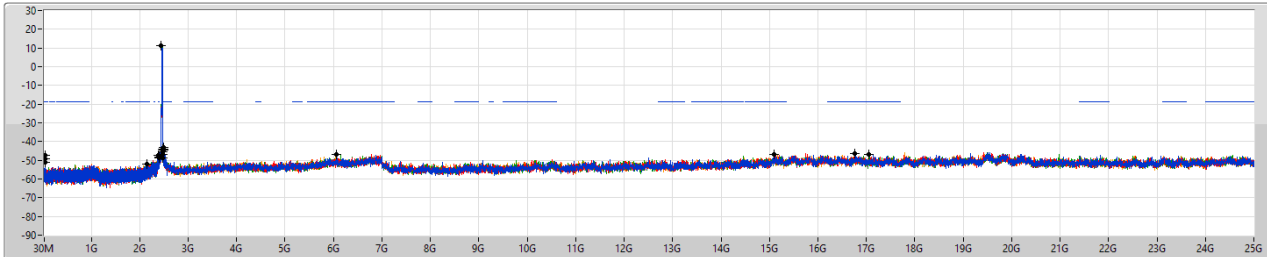
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	11.24	-18.76	47.77M	-49.50	2.39008G	-45.24	2.4G	-48.59	2.49112G	-46.47	23.55588G	-47.14	1
2.44451G	11.24	-18.76	2.30699G	-49.80	2.39634G	-45.50	2.4G	-47.79	2.4861G	-46.03	17.1838G	-46.06	2
2.44451G	11.24	-18.76	2.30146G	-50.17	2.39898G	-46.02	2.4835G	-48.30	2.48424G	-46.67	17.46756G	-46.58	3
2.44451G	11.24	-18.76	2.30583G	-50.27	2.39456G	-44.53	2.4G	-46.24	2.48372G	-47.00	6.70413G	-46.64	4

802.11g_Nss1,(6Mbps)_4TX

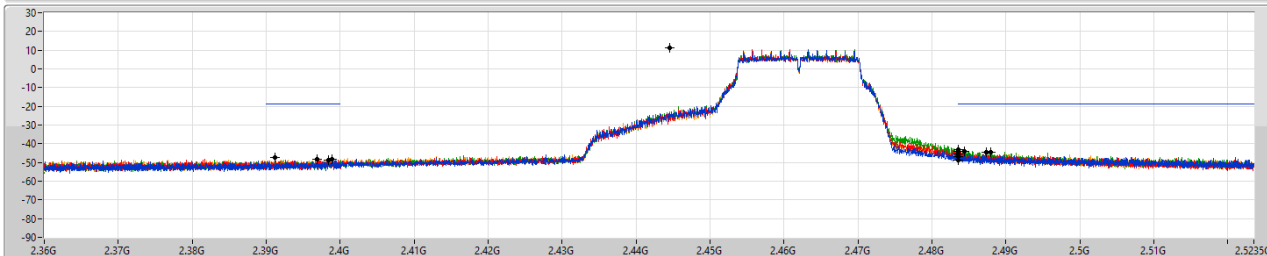
2462MHz

CSENdB

30/09/2021



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
2.44451G	11.24	-18.76	47.77M	-47.25	2.39836G	-48.94	2.4835G	-48.83	2.48732G	-44.38	17.04332G	-46.97	1
2.44451G	11.24	-18.76	47.77M	-49.25	2.39124G	-47.24	2.4835G	-47.04	2.48794G	-44.35	15.0991G	-46.65	2
2.44451G	11.24	-18.76	47.77M	-51.27	2.39886G	-48.07	2.4835G	-44.10	2.48356G	-43.11	6.06359G	-46.66	3
2.44451G	11.24	-18.76	2.14185G	-51.99	2.39886G	-48.50	2.4835G	-45.53	2.48442G	-44.11	16.76517G	-46.63	4



For 4T1S <Beamforming Mode>

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	2.442G	10.38	-19.62	2.30583G	-50.99	2.39992G	-35.59	2.4G	-33.30	2.4916G	-49.17	24.90167G	-44.24	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.43198G	5.46	-24.54	2.30569G	-50.36	2.39996G	-32.17	2.4G	-30.39	2.48474G	-48.78	17.6857G	-44.67	1

Result

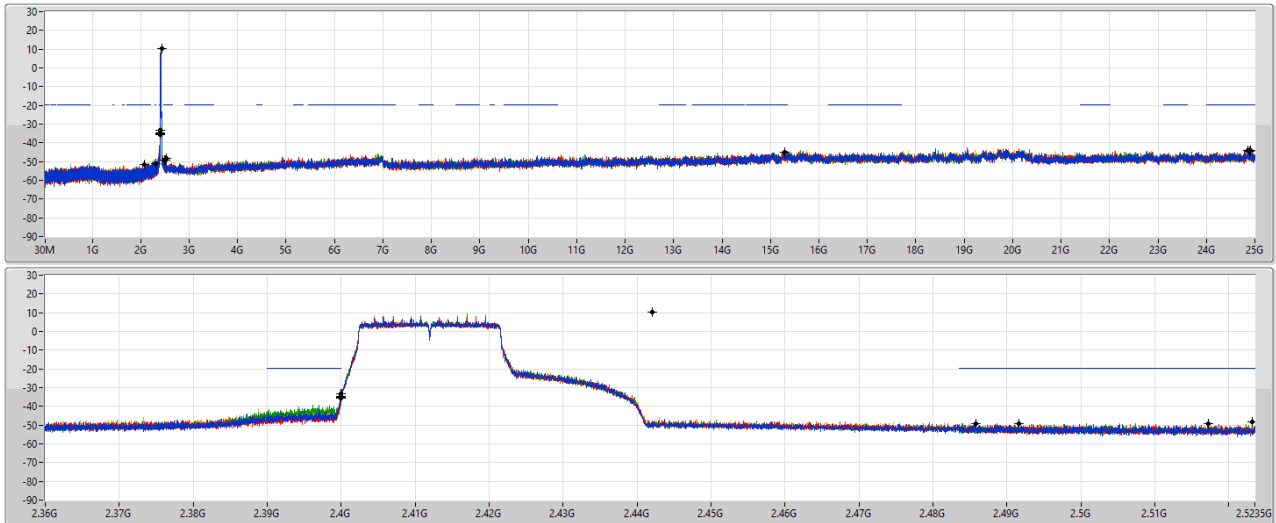
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1.(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	10.38	-19.62	2.30932G	-50.94	2.3999G	-34.63	2.4G	-34.53	2.5172G	-49.25	24.85109G	-44.16	1		
2412MHz	Pass	2.442G	10.38	-19.62	2.30466G	-50.98	2.39998G	-35.54	2.4G	-35.49	2.48578G	-49.26	24.88481G	-44.30	2		
2412MHz	Pass	2.442G	10.38	-19.62	2.07137G	-51.78	2.39996G	-35.24	2.4G	-34.74	2.52316G	-48.51	15.29858G	-44.78	3		
2412MHz	Pass	2.442G	10.38	-19.62	2.30583G	-50.99	2.39992G	-35.59	2.4G	-33.30	2.4916G	-49.17	24.90167G	-44.24	4		
2437MHz	Pass	2.442G	10.38	-19.62	2.30262G	-51.15	2.39952G	-43.43	2.4835G	-48.26	2.48584G	-46.94	17.44228G	-44.61	1		
2437MHz	Pass	2.442G	10.38	-19.62	1.91439G	-50.28	2.39916G	-46.30	2.4G	-48.47	2.48582G	-46.03	24.8539G	-44.69	2		
2437MHz	Pass	2.442G	10.38	-19.62	2.15991G	-50.86	2.39254G	-46.46	2.4G	-48.47	2.48558G	-47.08	14.25061G	-44.51	3		
2437MHz	Pass	2.442G	10.38	-19.62	2.19661G	-51.55	2.39816G	-46.31	2.4G	-48.09	2.48958G	-46.35	16.7736G	-44.85	4		
2462MHz	Pass	2.442G	10.38	-19.62	2.30641G	-51.22	2.3931G	-47.65	2.4835G	-41.97	2.4835G	-40.18	24.61509G	-44.25	1		
2462MHz	Pass	2.442G	10.38	-19.62	2.30728G	-50.67	2.39644G	-46.91	2.4835G	-45.36	2.48358G	-41.44	21.99658G	-44.57	2		
2462MHz	Pass	2.442G	10.38	-19.62	2.30175G	-51.35	2.3936G	-48.27	2.4835G	-47.17	2.48994G	-43.66	23.42103G	-44.11	3		
2462MHz	Pass	2.442G	10.38	-19.62	2.19049G	-51.76	2.3934G	-47.94	2.4835G	-43.76	2.48648G	-42.58	24.764G	-44.41	4		
802.11ax HEW40-BF_Nss1.(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	5.46	-24.54	2.30569G	-50.36	2.39996G	-32.17	2.4G	-30.39	2.48474G	-48.78	17.6857G	-44.67	1		
2422MHz	Pass	2.43198G	5.46	-24.54	2.18718G	-51.35	2.39996G	-32.23	2.4G	-32.67	2.51478G	-47.29	17.08552G	-44.23	2		
2422MHz	Pass	2.43198G	5.46	-24.54	2.30569G	-51.38	2.39996G	-32.32	2.4G	-32.09	2.49138G	-47.94	24.09132G	-42.76	3		
2422MHz	Pass	2.43198G	5.46	-24.54	2.30254G	-50.63	2.39988G	-32.83	2.4G	-34.63	2.49914G	-48.44	23.50236G	-43.86	4		
2437MHz	Pass	2.43198G	5.46	-24.54	2.30769G	-50.69	2.39824G	-40.90	2.4G	-43.88	2.4945G	-44.52	24.83734G	-43.69	1		
2437MHz	Pass	2.43198G	5.46	-24.54	2.13451G	-51.30	2.39956G	-42.73	2.4G	-45.27	2.48362G	-45.38	24.8149G	-43.76	2		
2437MHz	Pass	2.43198G	5.46	-24.54	2.30569G	-51.76	2.39832G	-41.10	2.4G	-43.68	2.49318G	-46.91	24.83173G	-43.86	3		
2437MHz	Pass	2.43198G	5.46	-24.54	2.30941G	-51.38	2.39956G	-41.11	2.4G	-43.01	2.49446G	-42.39	17.55669G	-44.28	4		
2452MHz	Pass	2.43198G	5.46	-24.54	2.30912G	-50.73	2.39932G	-36.95	2.4G	-39.34	2.48354G	-43.31	23.48554G	-43.39	1		
2452MHz	Pass	2.43198G	5.46	-24.54	2.30855G	-51.11	2.39952G	-33.89	2.4G	-39.35	2.48826G	-44.83	24.83734G	-44.01	2		
2452MHz	Pass	2.43198G	5.46	-24.54	2.19319G	-51.64	2.39952G	-36.97	2.4G	-39.93	2.48814G	-45.47	23.44627G	-43.90	3		
2452MHz	Pass	2.43198G	5.46	-24.54	779.4M	-51.75	2.39708G	-36.87	2.4G	-38.37	2.48946G	-43.82	15.285G	-43.65	4		

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz

CSENdB

22/09/2021



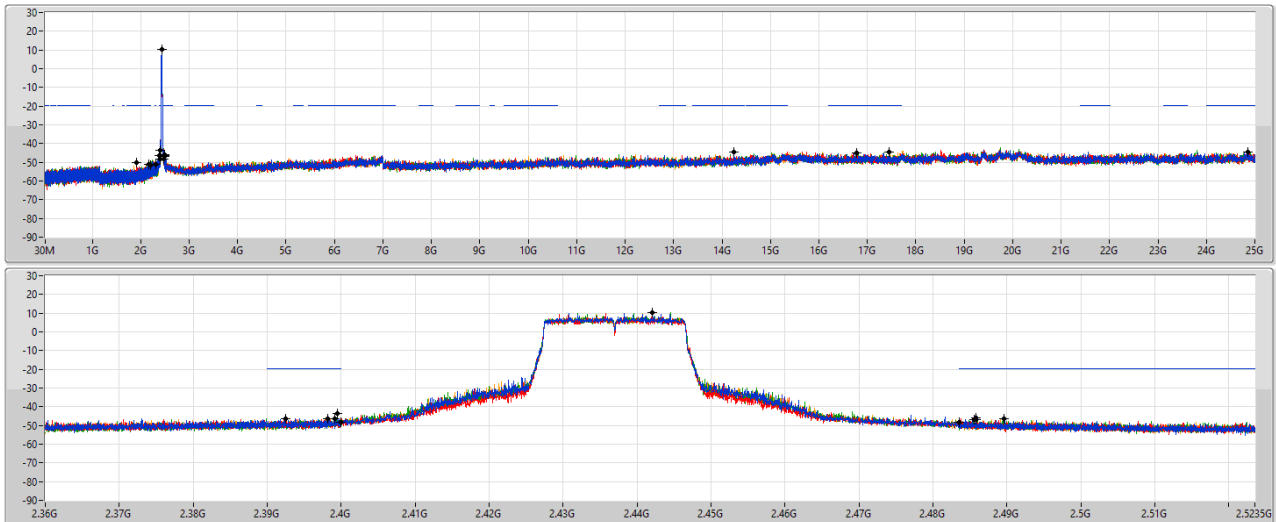
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	10.38	-19.62	2.30932G	-50.94	2.3999G	-34.63	2.4G	-34.53	2.5172G	-49.25	2.485109G	-44.16	1
2.442G	10.38	-19.62	2.30466G	-50.98	2.39998G	-35.54	2.4G	-35.49	2.48578G	-49.26	2.48481G	-44.30	2
2.442G	10.38	-19.62	2.07137G	-51.78	2.39996G	-35.24	2.4G	-34.74	2.52316G	-48.51	15.29858G	-44.78	3
2.442G	10.38	-19.62	2.30583G	-50.99	2.39992G	-35.59	2.4G	-33.30	2.4916G	-49.17	2.490167G	-44.24	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz

CSENdB

22/09/2021



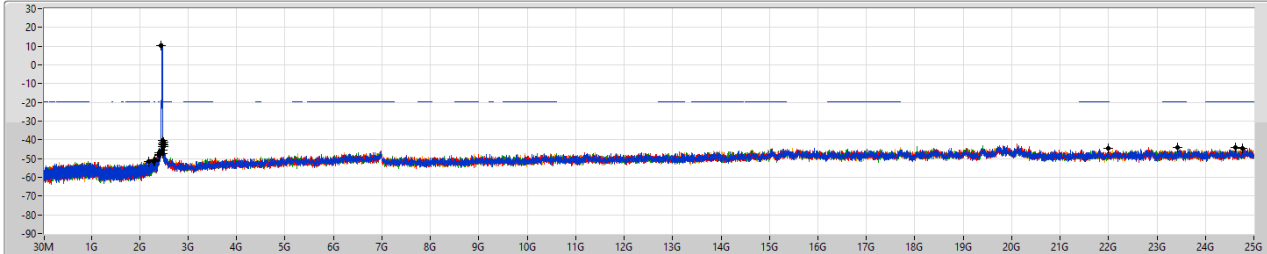
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	10.38	-19.62	2.30262G	-51.15	2.39952G	-43.43	2.4835G	-48.26	2.48584G	-46.94	17.44228G	-44.61	1
2.442G	10.38	-19.62	1.91439G	-50.28	2.39916G	-46.30	2.4G	-48.47	2.48582G	-46.03	24.8539G	-44.69	2
2.442G	10.38	-19.62	2.15991G	-50.86	2.39254G	-46.46	2.4G	-48.47	2.48558G	-47.08	14.25061G	-44.51	3
2.442G	10.38	-19.62	2.19661G	-51.55	2.39816G	-46.31	2.4G	-48.09	2.48958G	-46.35	16.7736G	-44.85	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

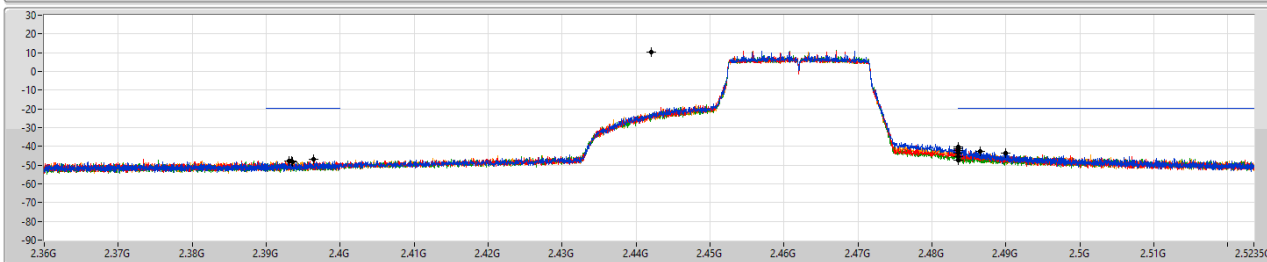
CSENdB

2462MHz

22/09/2021



Port 1
Port 2
Port 3
Port 4



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

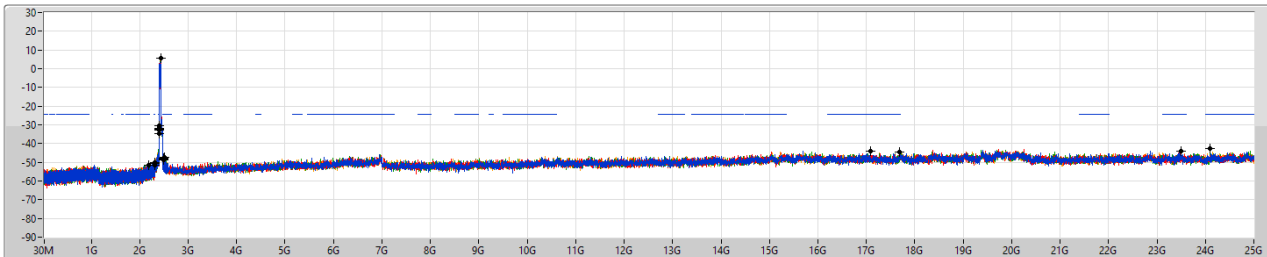
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	10.38	-19.62	2.30641G	-51.22	2.3931G	-47.65	2.4835G	-41.97	2.4835G	-40.18	24.61509G	-44.25	1
2.442G	10.38	-19.62	2.30728G	-50.67	2.39644G	-46.91	2.4835G	-45.36	2.48358G	-41.44	21.99658G	-44.57	2
2.442G	10.38	-19.62	2.30175G	-51.35	2.39386G	-48.27	2.4835G	-47.17	2.48994G	-43.66	23.42103G	-44.11	3
2.442G	10.38	-19.62	2.19049G	-51.76	2.3934G	-47.94	2.4835G	-43.76	2.48648G	-42.58	24.764G	-44.41	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

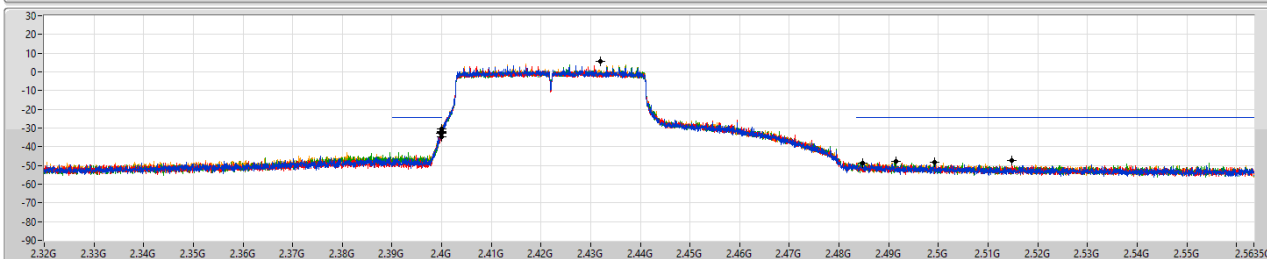
CSENdB

2422MHz

22/09/2021



Port 1
Port 2
Port 3
Port 4



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

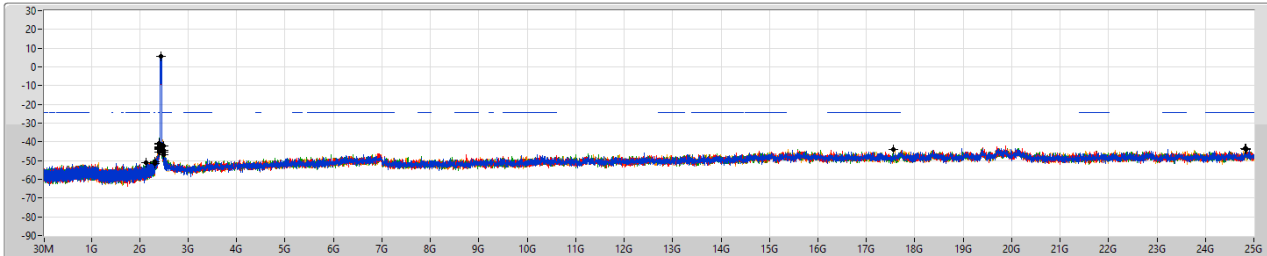
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	5.46	-24.54	2.30569G	-50.36	2.39986G	-32.17	2.4G	-30.39	2.48474G	-48.78	17.6857G	-44.67	1
2.43198G	5.46	-24.54	2.18718G	-51.35	2.39986G	-32.23	2.4G	-32.67	2.51478G	-47.29	17.08552G	-44.23	2
2.43198G	5.46	-24.54	2.30569G	-51.38	2.39986G	-32.32	2.4G	-32.09	2.49138G	-47.94	24.09132G	-42.76	3
2.43198G	5.46	-24.54	2.30254G	-50.63	2.39988G	-32.83	2.4G	-34.63	2.49914G	-48.44	23.50236G	-43.86	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

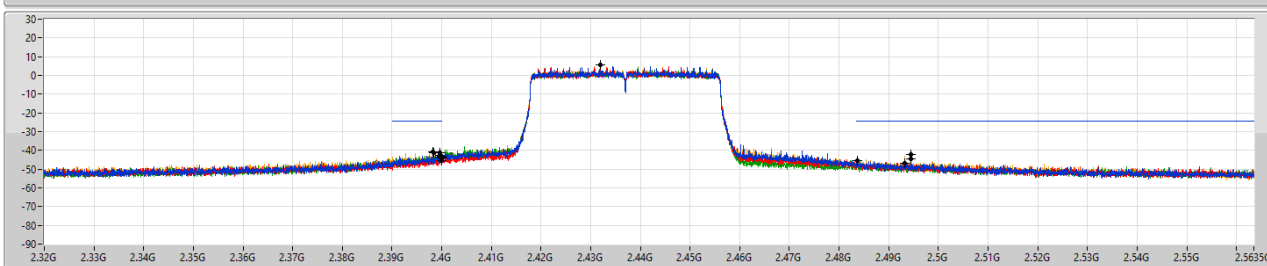
CSENdB

2437MHz

22/09/2021



Port 1
Port 2
Port 3
Port 4



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

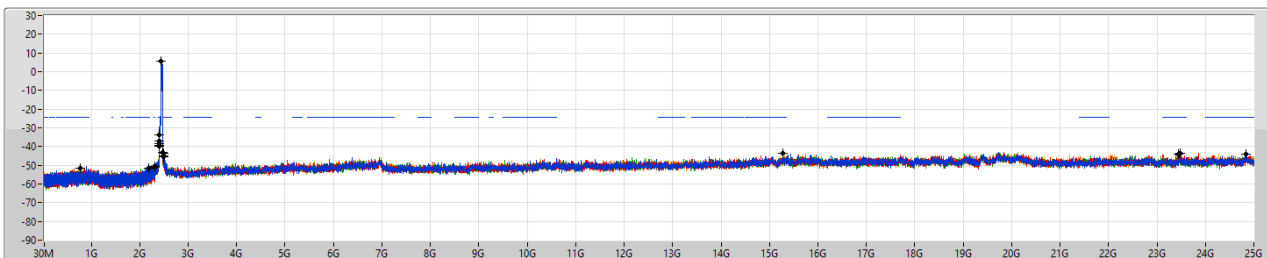
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	5.46	-24.54	2.30769G	-50.69	2.39824G	-40.90	2.4G	-43.88	2.4945G	-44.52	24.83734G	-43.69	1
2.43198G	5.46	-24.54	2.13451G	-51.30	2.39956G	-42.73	2.4G	-45.27	2.48362G	-45.38	24.8149G	-43.76	2
2.43198G	5.46	-24.54	2.30569G	-51.76	2.39832G	-41.10	2.4G	-43.68	2.49318G	-46.91	24.83173G	-43.86	3
2.43198G	5.46	-24.54	2.30941G	-51.38	2.39956G	-41.11	2.4G	-43.01	2.49446G	-42.39	17.55669G	-44.28	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

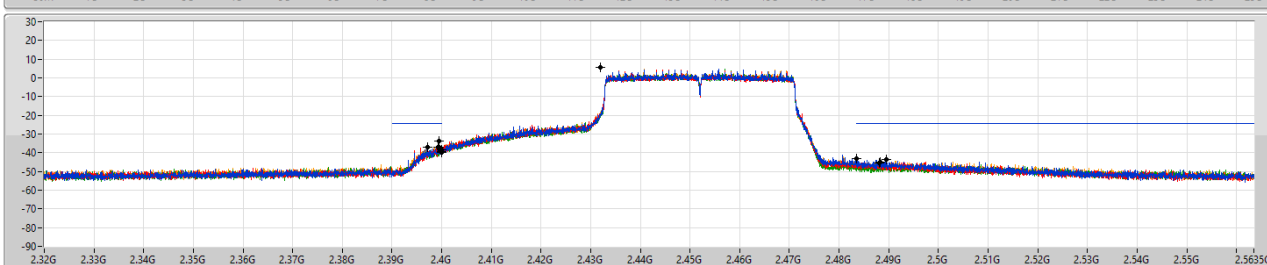
CSENdB

2452MHz

22/09/2021



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
2.43198G	5.46	-24.54	2.30912G	-50.73	2.39932G	-36.95	2.4G	-39.34	2.48354G	-43.31	23.46554G	-43.39	1
2.43198G	5.46	-24.54	2.30859G	-51.11	2.39952G	-33.89	2.4G	-39.35	2.48826G	-44.83	24.83734G	-44.01	2
2.43198G	5.46	-24.54	2.19319G	-51.64	2.39952G	-36.97	2.4G	-39.89	2.48814G	-45.47	23.44627G	-43.90	3
2.43198G	5.46	-24.54	779.4M	-51.75	2.39708G	-36.87	2.4G	-38.37	2.48946G	-43.82	15.285G	-43.65	4

For 4T2S <Beamforming Mode>

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_Nss2,(MCS0)_4TX	Pass	2.442G	12.36	-17.64	2.30612G	-50.16	2.39988G	-33.53	2.4G	-30.31	2.48492G	-48.38	17.69233G	-43.76	2
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	Pass	2.43449G	5.37	-24.63	2.3097G	-50.38	2.39984G	-32.96	2.4G	-31.97	2.4885G	-46.36	23.24434G	-44.47	4

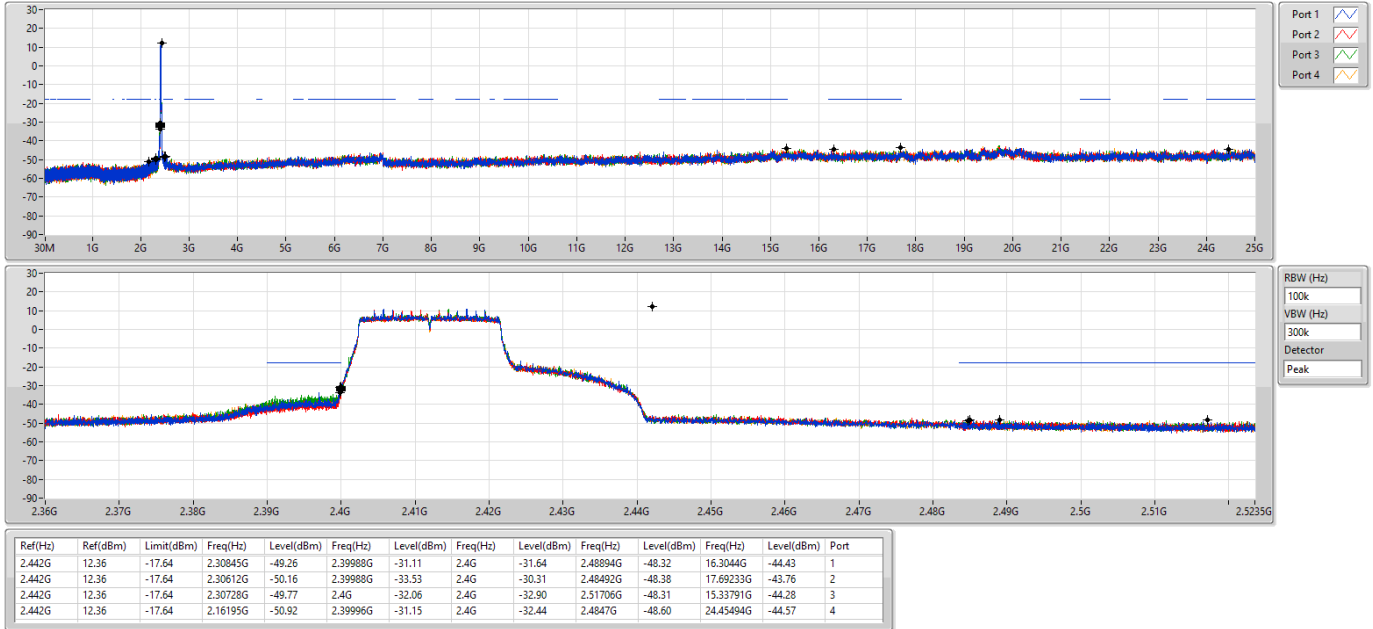
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	12.36	-17.64	2.30845G	-49.26	2.39988G	-31.11	2.4G	-31.64	2.48894G	-48.32	16.3044G	-44.43	1
2412MHz	Pass	2.442G	12.36	-17.64	2.30612G	-50.16	2.39988G	-33.53	2.4G	-30.31	2.48492G	-48.38	17.69233G	-43.76	2
2412MHz	Pass	2.442G	12.36	-17.64	2.30728G	-49.77	2.4G	-32.06	2.4G	-32.90	2.51706G	-48.31	15.33791G	-44.28	3
2412MHz	Pass	2.442G	12.36	-17.64	2.16195G	-50.92	2.39996G	-31.15	2.4G	-32.44	2.4847G	-48.60	24.45494G	-44.57	4
2437MHz	Pass	2.442G	12.36	-17.64	2.30641G	-49.47	2.39978G	-42.98	2.4G	-46.16	2.48352G	-45.40	17.29337G	-43.62	1
2437MHz	Pass	2.442G	12.36	-17.64	2.30699G	-49.76	2.39992G	-44.60	2.4G	-47.03	2.48414G	-46.63	16.70336G	-44.60	2
2437MHz	Pass	2.442G	12.36	-17.64	2.30583G	-50.73	2.39884G	-42.14	2.4G	-45.64	2.48866G	-45.22	24.54204G	-42.47	3
2437MHz	Pass	2.442G	12.36	-17.64	2.30583G	-50.69	2.3999G	-42.38	2.4G	-44.80	2.4926G	-45.89	24.16837G	-44.12	4
2462MHz	Pass	2.442G	12.36	-17.64	2.30961G	-49.71	2.39792G	-46.22	2.4835G	-39.05	2.48402G	-38.44	16.44207G	-44.46	1
2462MHz	Pass	2.442G	12.36	-17.64	2.30699G	-49.85	2.39028G	-46.87	2.4835G	-41.81	2.48398G	-39.30	24.07284G	-43.74	2
2462MHz	Pass	2.442G	12.36	-17.64	2.3067G	-50.38	2.39814G	-47.10	2.4835G	-42.68	2.48372G	-41.59	16.98151G	-44.47	3
2462MHz	Pass	2.442G	12.36	-17.64	2.30932G	-50.63	2.39876G	-45.67	2.4835G	-39.03	2.48412G	-38.69	24.7949G	-44.56	4
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	5.37	-24.63	2.30025G	-50.88	2.39988G	-32.53	2.4G	-32.63	2.49974G	-47.46	24.89062G	-44.59	1
2422MHz	Pass	2.43449G	5.37	-24.63	2.15369G	-51.46	2.39996G	-32.10	2.4G	-32.34	2.48526G	-49.03	23.43225G	-44.07	2
2422MHz	Pass	2.43449G	5.37	-24.63	2.30912G	-51.24	2.39992G	-33.97	2.4G	-34.24	2.4841G	-48.91	23.56406G	-44.45	3
2422MHz	Pass	2.43449G	5.37	-24.63	2.3097G	-50.38	2.39984G	-32.96	2.4G	-31.97	2.4885G	-46.36	23.24434G	-44.47	4
2437MHz	Pass	2.43449G	5.37	-24.63	363.48M	-50.95	2.39956G	-41.33	2.4G	-44.66	2.49326G	-44.76	24.84855G	-44.27	1
2437MHz	Pass	2.43449G	5.37	-24.63	2.3097G	-51.57	2.39952G	-42.22	2.4G	-46.96	2.4945G	-44.99	17.67729G	-44.46	2
2437MHz	Pass	2.43449G	5.37	-24.63	2.30311G	-52.07	2.39956G	-38.14	2.4G	-43.97	2.48382G	-45.74	17.69972G	-43.89	3
2437MHz	Pass	2.43449G	5.37	-24.63	2.3097G	-50.99	2.39976G	-40.40	2.4G	-43.32	2.49322G	-42.66	23.50236G	-43.49	4
2452MHz	Pass	2.43449G	5.37	-24.63	2.1723G	-52.27	2.39948G	-35.96	2.4G	-39.12	2.48826G	-43.72	14.5502G	-44.52	1
2452MHz	Pass	2.43449G	5.37	-24.63	931.12M	-52.20	2.39956G	-38.72	2.4G	-40.00	2.48822G	-44.59	24.82612G	-43.89	2
2452MHz	Pass	2.43449G	5.37	-24.63	534.37M	-51.00	2.39956G	-38.36	2.4G	-40.10	2.48894G	-45.84	24.54286G	-44.28	3
2452MHz	Pass	2.43449G	5.37	-24.63	2.30139G	-50.05	2.39956G	-36.41	2.4G	-39.75	2.48826G	-43.70	24.86819G	-44.24	4

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

CSENdB

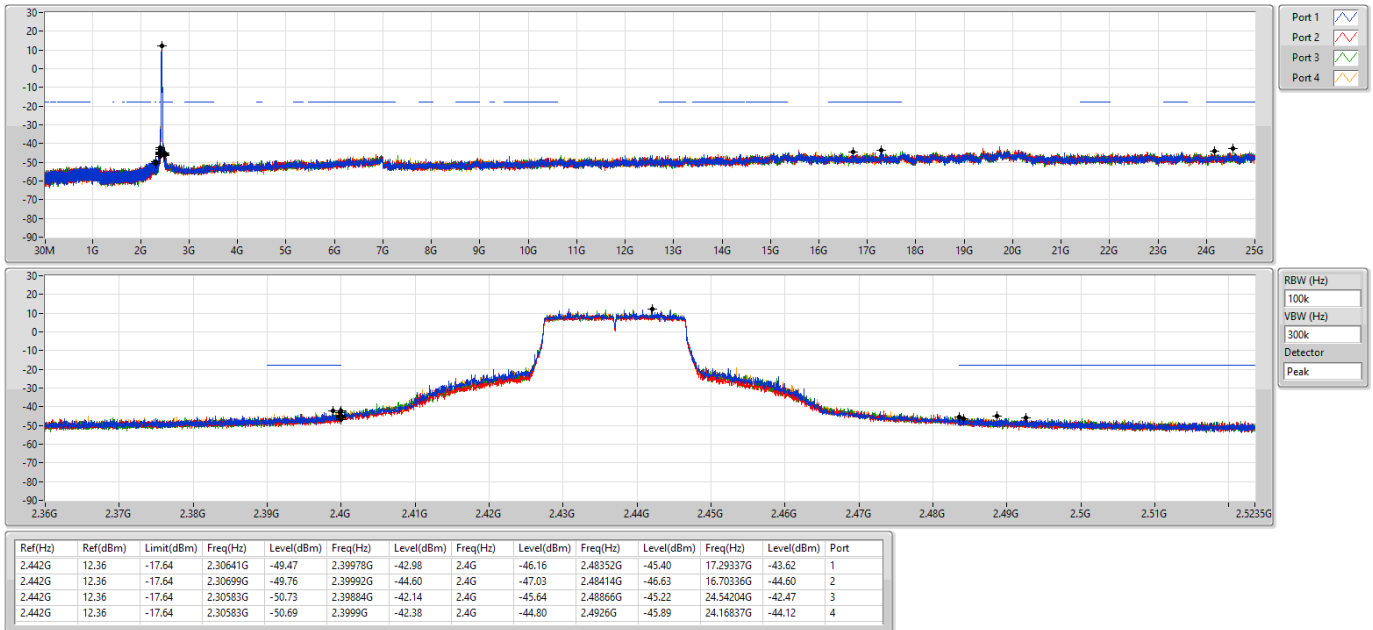
2412MHz



802.11ax HEW20-BF_Nss2,(MCS0)_4TX

CSENdB

2437MHz

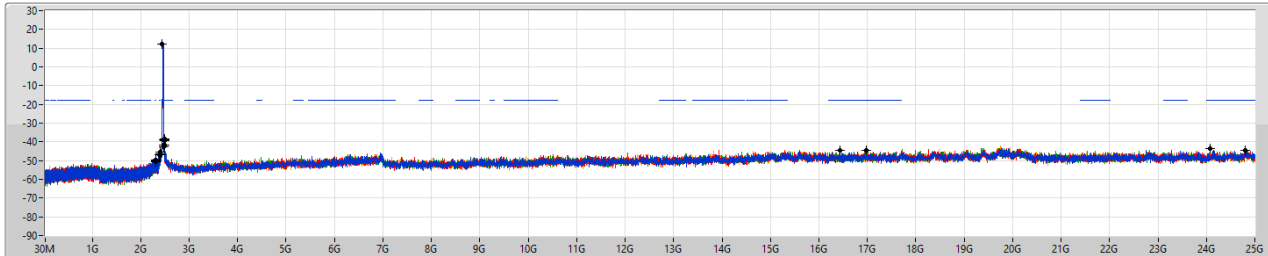


802.11ax HEW20-BF_Nss2,(MCS0)_4TX

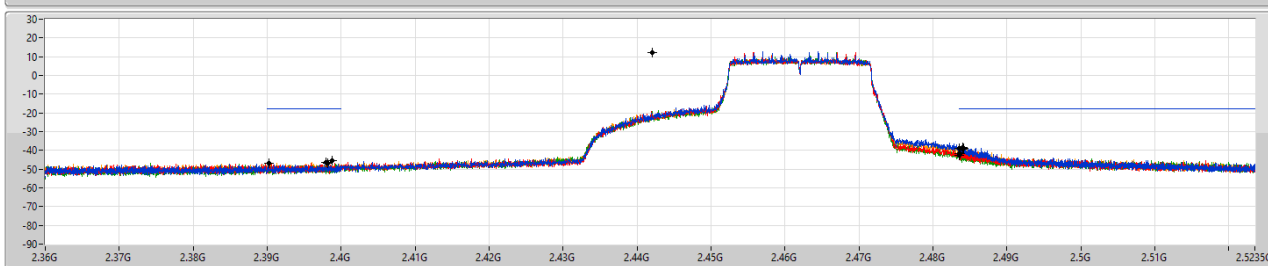
CSENdB

2462MHz

22/09/2021



Port 1
Port 2
Port 3
Port 4



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

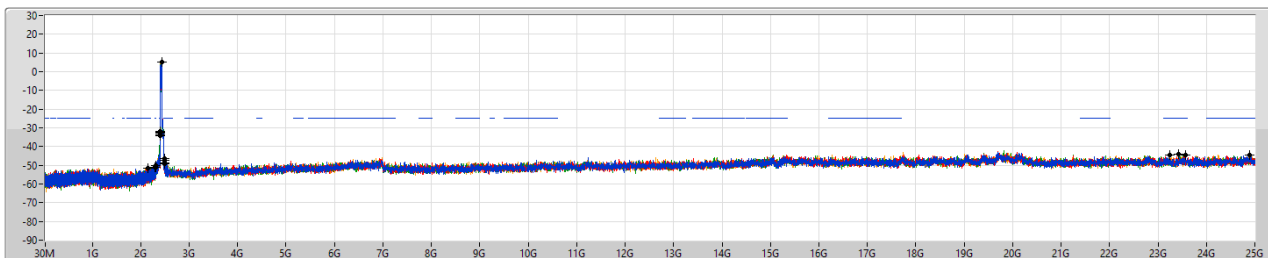
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	12.36	-17.64	2.30961G	-49.71	2.39792G	-46.22	2.4835G	-39.05	2.48402G	-38.44	16.44207G	-44.46	1
2.442G	12.36	-17.64	2.30969G	-49.85	2.39802G	-46.87	2.4835G	-41.81	2.48398G	-39.30	24.07284G	-43.74	2
2.442G	12.36	-17.64	2.3097G	-50.38	2.39814G	-47.10	2.4835G	-42.68	2.48372G	-41.59	16.96151G	-44.47	3
2.442G	12.36	-17.64	2.30932G	-50.63	2.39876G	-45.67	2.4835G	-39.03	2.48412G	-38.69	24.7949G	-44.56	4

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

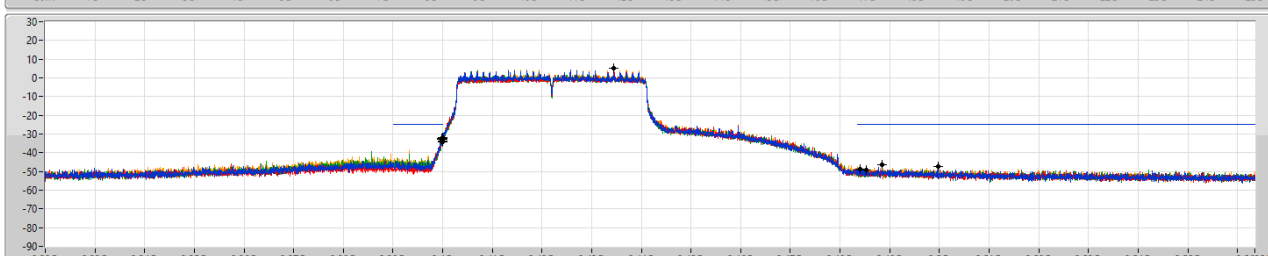
CSENdB

2422MHz

22/09/2021



Port 1
Port 2
Port 3
Port 4



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

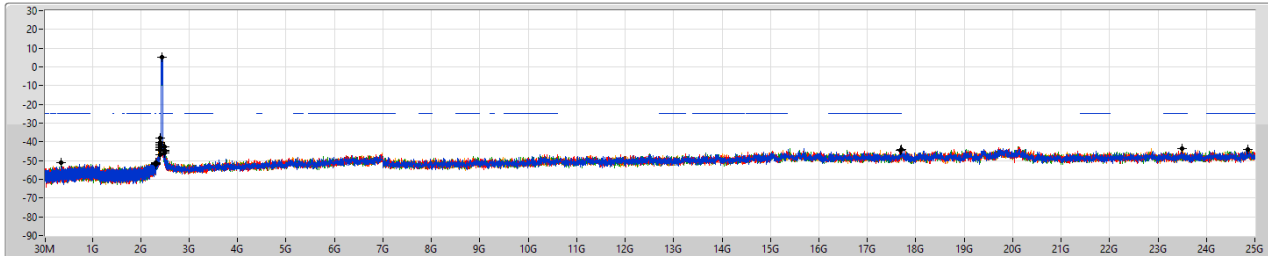
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4349G	5.37	-24.63	2.30025G	-50.88	2.39988G	-32.53	2.4G	-32.63	2.49974G	-47.46	24.89062G	-44.59	1
2.4349G	5.37	-24.63	2.3009G	-51.46	2.39996G	-32.10	2.4G	-32.34	2.48526G	-49.03	23.43225G	-44.07	2
2.4349G	5.37	-24.63	2.30912G	-51.24	2.39992G	-33.97	2.4G	-34.24	2.4841G	-48.91	23.56406G	-44.45	3
2.4349G	5.37	-24.63	2.3097G	-50.38	2.39984G	-32.96	2.4G	-31.97	2.4885G	-46.36	23.24434G	-44.47	4

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

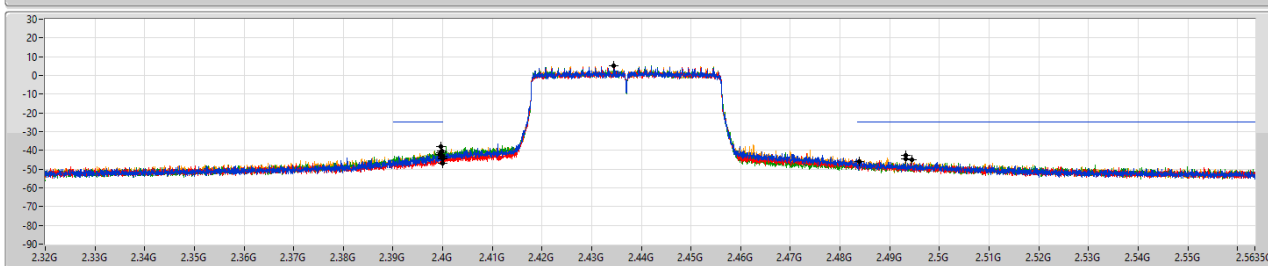
CSENdB

2437MHz

22/09/2021



Port 1
Port 2
Port 3
Port 4



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

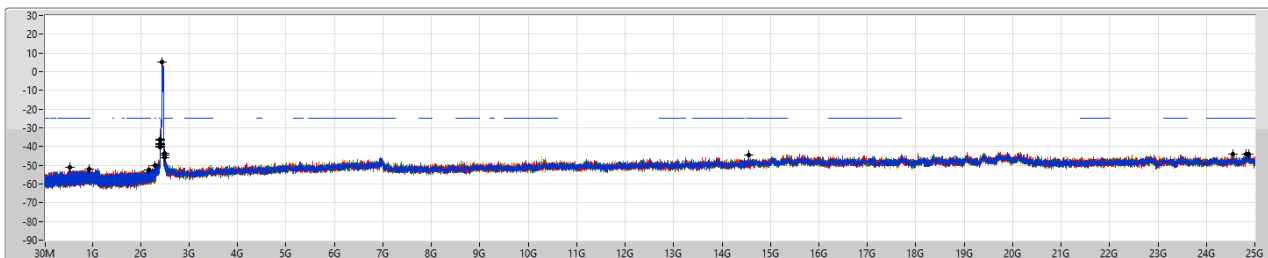
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	5.37	-24.63	363.48M	-50.95	2.39956G	-41.33	2.4G	-44.66	2.49326G	-44.76	24.84855G	-44.27	1
2.43449G	5.37	-24.63	2.3097G	-51.57	2.39952G	-42.22	2.4G	-46.96	2.4945G	-44.99	17.67729G	-44.46	2
2.43449G	5.37	-24.63	2.30311G	-52.07	2.39956G	-38.14	2.4G	-43.97	2.48382G	-45.74	17.69972G	-43.89	3
2.43449G	5.37	-24.63	2.3097G	-50.99	2.39976G	-40.40	2.4G	-43.32	2.49322G	-42.66	23.30236G	-43.49	4

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

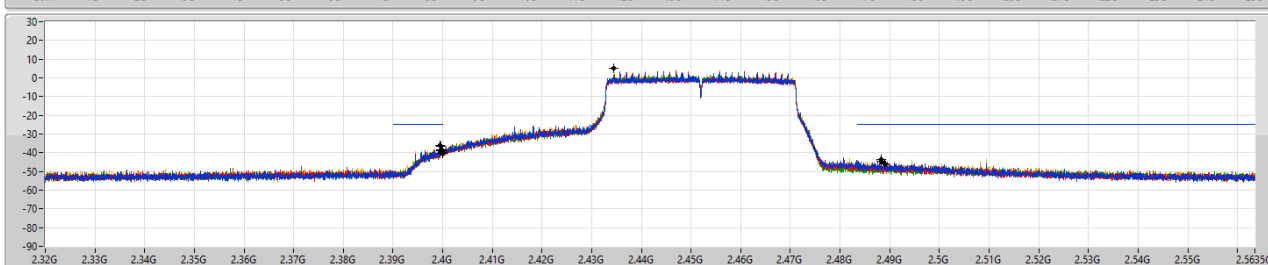
CSENdB

2452MHz

22/09/2021



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
2.43449G	5.37	-24.63	2.1723G	-52.27	2.39948G	-35.96	2.4G	-39.12	2.48826G	-43.72	14.5502G	-44.52	1
2.43449G	5.37	-24.63	931.12M	-52.20	2.39956G	-38.72	2.4G	-40.00	2.48823G	-44.59	24.82612G	-43.89	2
2.43449G	5.37	-24.63	534.37M	-51.00	2.39956G	-38.36	2.4G	-40.10	2.48894G	-45.84	24.54386G	-44.28	3
2.43449G	5.37	-24.63	2.3019G	-50.05	2.39956G	-36.41	2.4G	-39.75	2.48826G	-43.70	24.86819G	-44.24	4



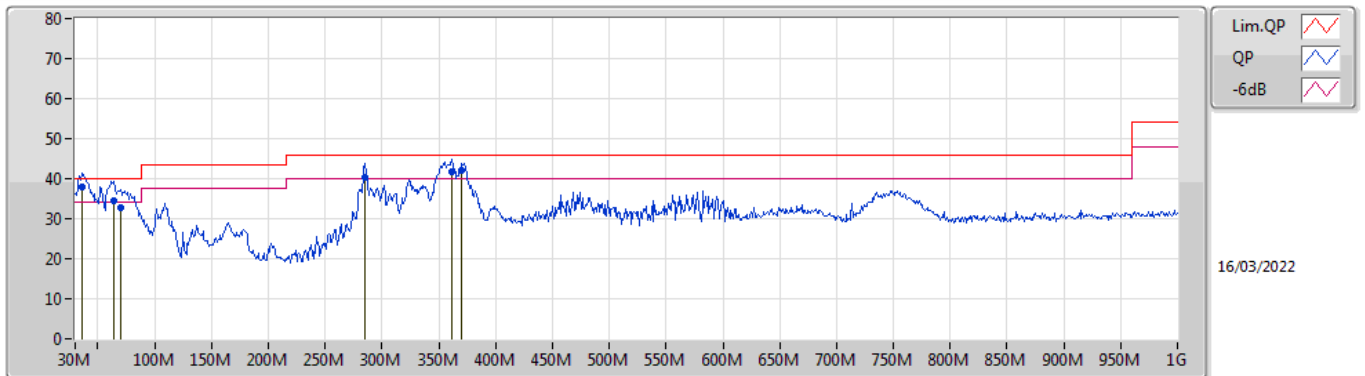
Radiated Emissions below 1GHz

Appendix F.1

Summary

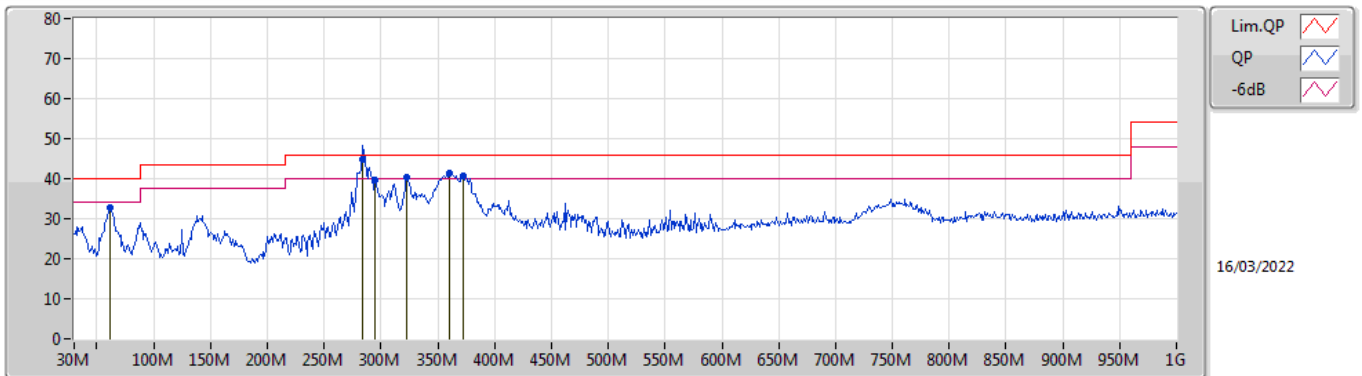
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	QP	284.14M	44.81	46.00	-1.19	Horizontal

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	35.82M	37.99	40.00	-2.01	-9.71	3	Vertical	244	1.00	"Worst"	47.70	20.99	0.90	31.60
QP	63.95M	34.54	40.00	-5.46	-18.56	3	Vertical	124	2.00	-	53.10	12.10	1.20	31.86
QP	69.77M	32.68	40.00	-7.32	-18.32	3	Vertical	166	1.50	-	51.00	12.27	1.30	31.89
QP	285M	40.33	46.00	-5.67	-10.67	3	Vertical	181	1.50	-	51.00	18.75	2.64	32.06
QP	361.74M	41.58	46.00	-4.42	-8.42	3	Vertical	276	1.50	-	50.00	20.66	3.05	32.13
QP	370.47M	41.94	46.00	-4.06	-8.36	3	Vertical	188	1.25	-	50.30	20.70	3.08	32.14

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	62.01M	32.90	40.00	-7.10	-18.49	3	Horizontal	124	3.00	-	51.39	12.16	1.20	31.85
QP	284.14M	44.81	46.00	-1.19	-10.69	3	Horizontal	301	1.00	"Worst"	55.50	18.73	2.64	32.06
PK	294.81M	39.82	46.00	-6.18	-10.54	3	Horizontal	292	1.00	-	50.36	18.85	2.68	32.07
PK	322.94M	40.20	46.00	-5.80	-9.75	3	Horizontal	360	1.00	-	49.95	19.50	2.84	32.09
PK	360.77M	41.31	46.00	-4.69	-8.44	3	Horizontal	357	1.00	-	49.75	20.65	3.04	32.13
PK	372.41M	40.76	46.00	-5.24	-8.34	3	Horizontal	328	1.00	-	49.10	20.72	3.09	32.15



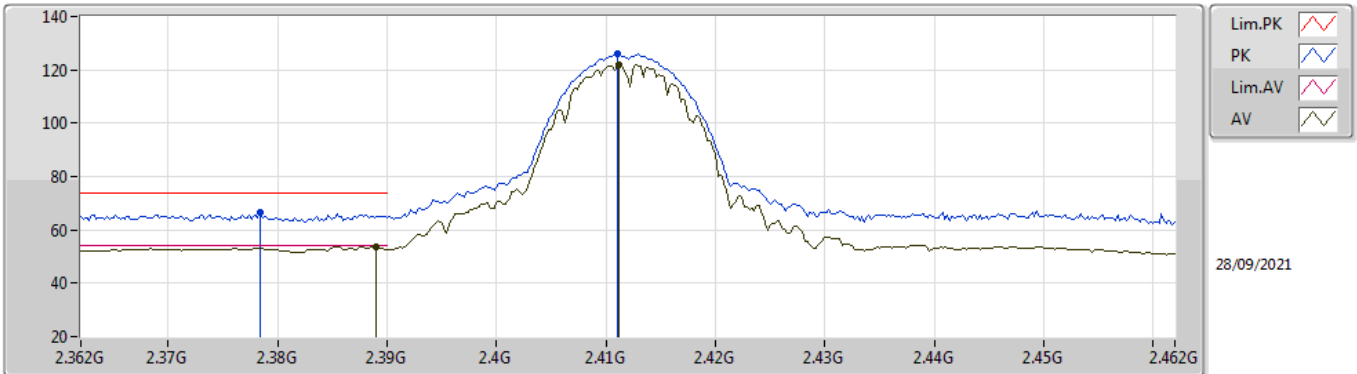
For 4T1S <Non-beamforming Mode>

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	2.4882G	53.96	54.00	-0.04	3	Vertical	318	1.78	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

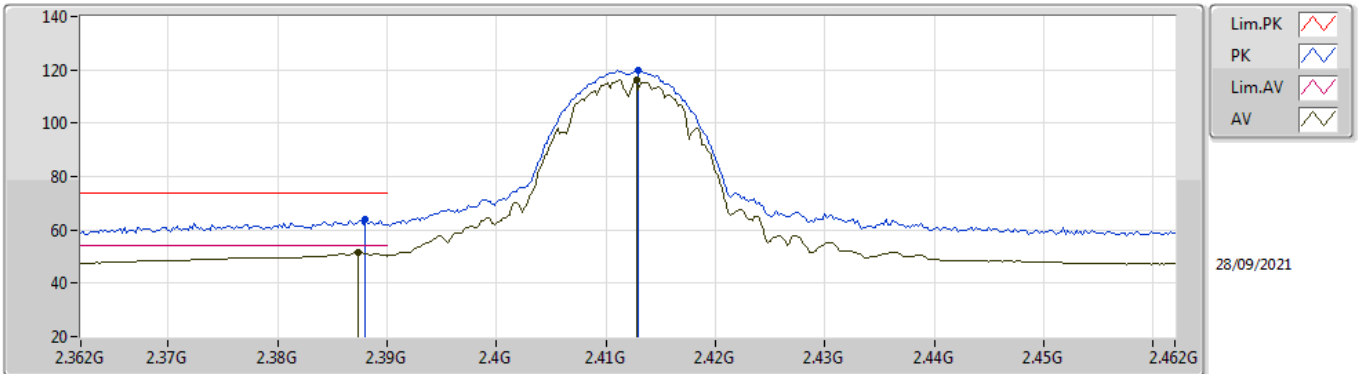


EUT Y_4TX
Setting 105
02-B-S-8

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	2.3784G	66.65	74.00	-7.35	35.88	3	Vertical	181	1.72	-	28.36	2.41	-
AV	2.389G	53.76	54.00	-0.24	22.97	3	Vertical	181	1.72	-	28.38	2.41	-
PK	2.411G	125.98	Inf	-Inf	95.17	3	Vertical	181	1.72	-	28.40	2.41	-
AV	2.4112G	122.13	Inf	-Inf	91.32	3	Vertical	181	1.72	-	28.40	2.41	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

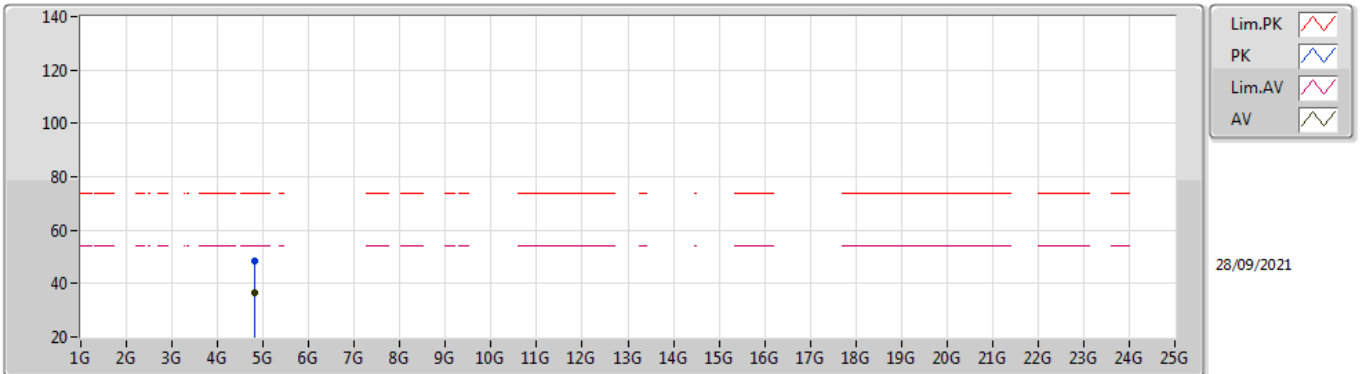


EUT Y_4TX
Setting 105
02-B-S-8

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	2.388G	63.83	74.00	-10.17	33.04	3	Horizontal	137	2.95	-	28.38	2.41	-
AV	2.3874G	51.38	54.00	-2.62	20.60	3	Horizontal	137	2.95	-	28.37	2.41	-
PK	2.413G	119.97	Inf	-Inf	89.16	3	Horizontal	137	2.95	-	28.40	2.41	-
AV	2.4128G	116.02	Inf	-Inf	85.21	3	Horizontal	137	2.95	-	28.40	2.41	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

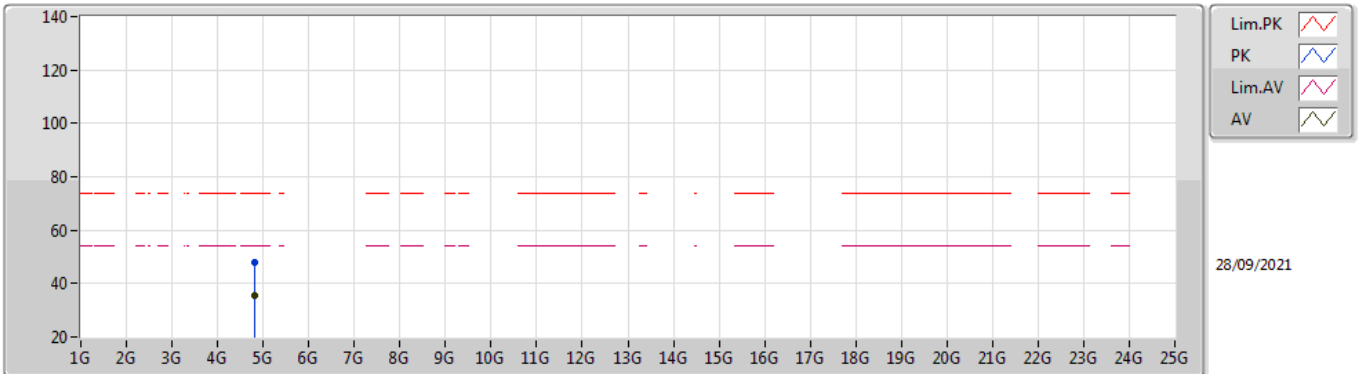


EUT Y_4TX
Setting 105
02-B-S-8

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	4.82522G	48.51	74.00	-25.49	43.23	3	Vertical	24	2.98	-	32.80	4.70	32.22
AV	4.824G	36.43	54.00	-17.57	31.15	3	Vertical	24	2.98	-	32.80	4.70	32.22

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

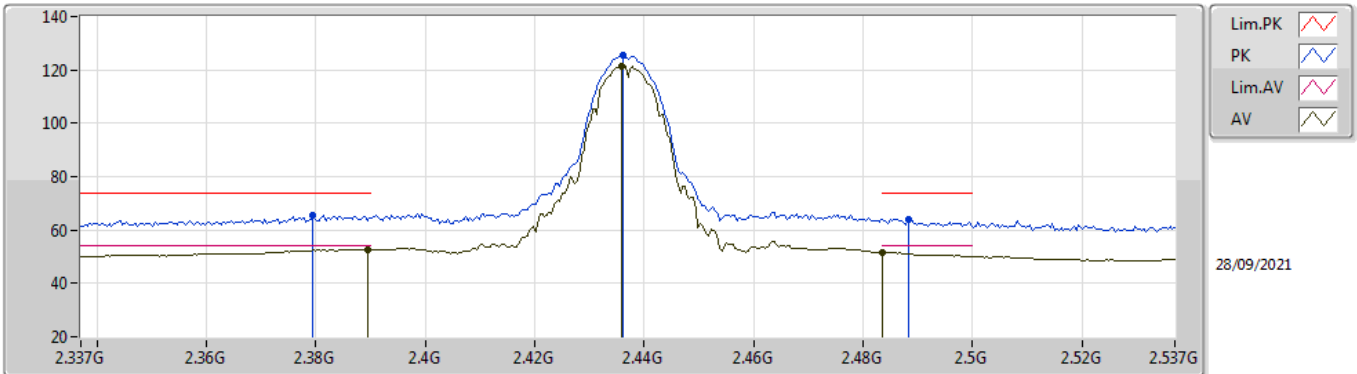


EUT Y_4TX
Setting 105
02-B-S-8

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	4.82416G	47.89	74.00	-26.11	42.61	3	Horizontal	339	1.69	-	32.80	4.70	32.22
AV	4.82368G	35.41	54.00	-18.59	30.14	3	Horizontal	339	1.69	-	32.79	4.70	32.22

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

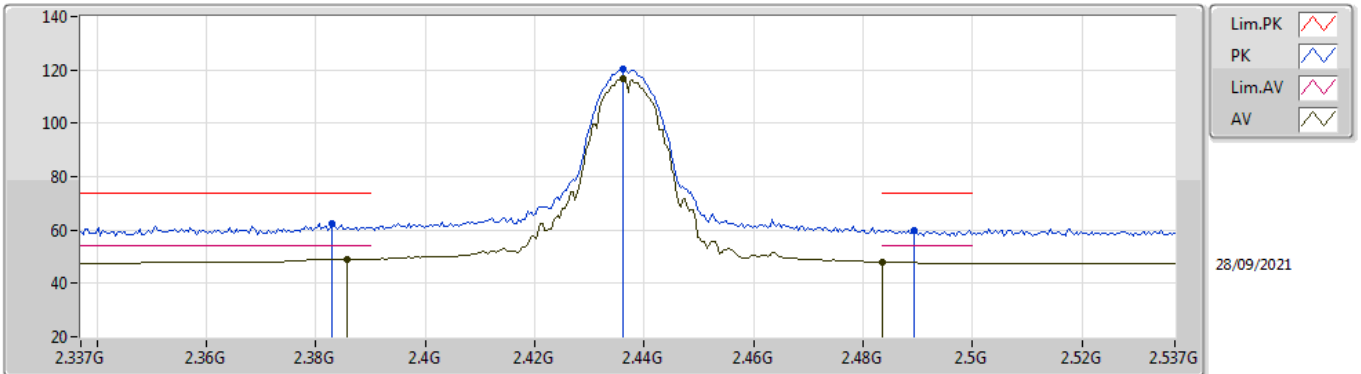


EUT_Y_4TX
Setting 108
02-B-S-8

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	2.3794G	65.75	74.00	-8.25	34.98	3	Vertical	191	2.54	-	28.36	2.41	-
AV	2.3894G	52.69	54.00	-1.31	21.90	3	Vertical	191	2.54	-	28.38	2.41	-
PK	2.4362G	125.63	Inf	-Inf	94.81	3	Vertical	191	2.54	-	28.40	2.42	-
AV	2.4358G	121.52	Inf	-Inf	90.70	3	Vertical	191	2.54	-	28.40	2.42	-
PK	2.4882G	63.98	74.00	-10.02	32.99	3	Vertical	191	2.54	-	28.55	2.44	-
AV	2.4835G	51.69	54.00	-2.31	20.72	3	Vertical	191	2.54	-	28.53	2.44	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

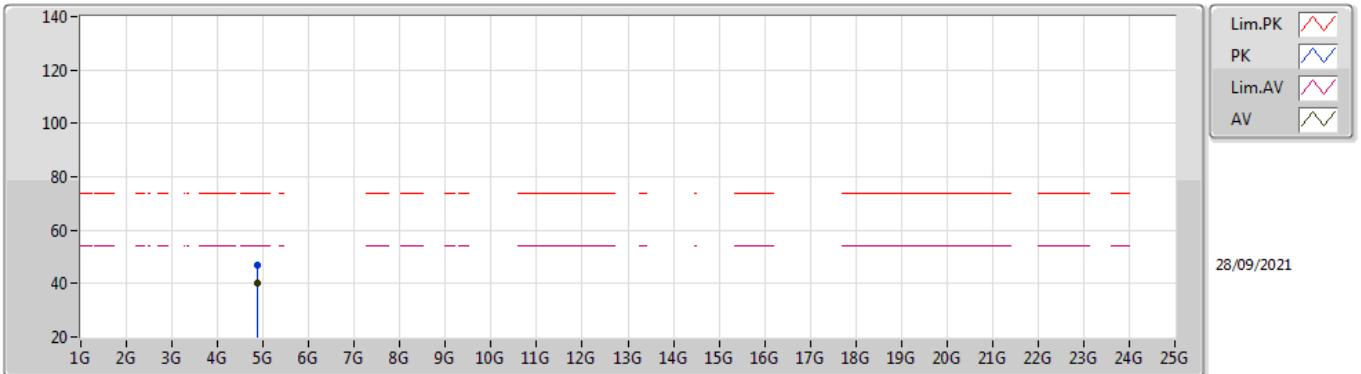


EUT_Y_4TX
Setting 108
02-B-S-8

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	62.40	74.00	-11.60	31.62	3	Horizontal	327	2.63	-	28.37	2.41	-
AV	2.3858G	49.11	54.00	-4.89	18.33	3	Horizontal	327	2.63	-	28.37	2.41	-
PK	2.4362G	120.52	Inf	-Inf	89.70	3	Horizontal	327	2.63	-	28.40	2.42	-
AV	2.4362G	116.83	Inf	-Inf	86.01	3	Horizontal	327	2.63	-	28.40	2.42	-
PK	2.4894G	60.04	74.00	-13.96	29.04	3	Horizontal	327	2.63	-	28.56	2.44	-
AV	2.4835G	48.02	54.00	-5.98	17.05	3	Horizontal	327	2.63	-	28.53	2.44	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

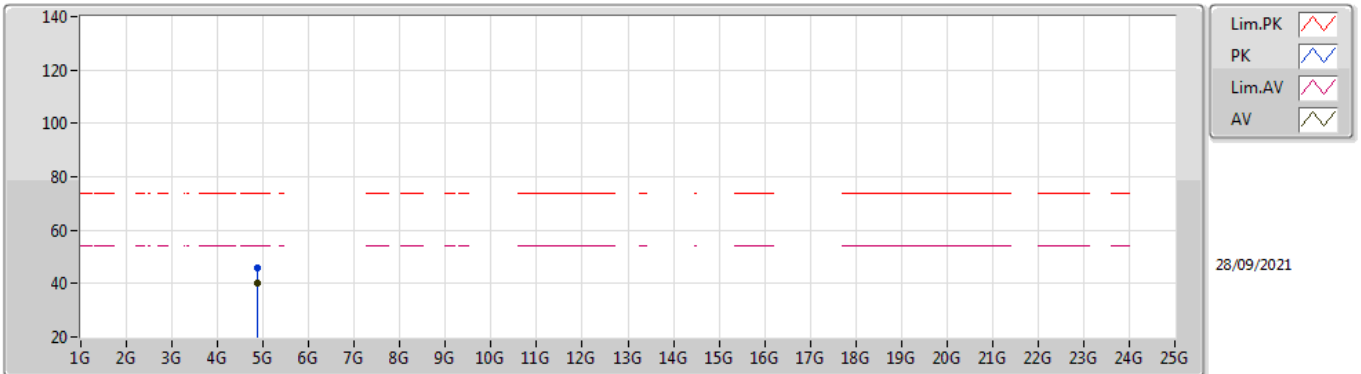


EUT Y_4TX
Setting 108
02-B-S-8

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	4.87134G	46.89	74.00	-27.11	41.46	3	Vertical	360	2.23	-	32.94	4.70	32.21
AV	4.8741G	40.31	54.00	-13.69	34.87	3	Vertical	360	2.23	-	32.95	4.70	32.21

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

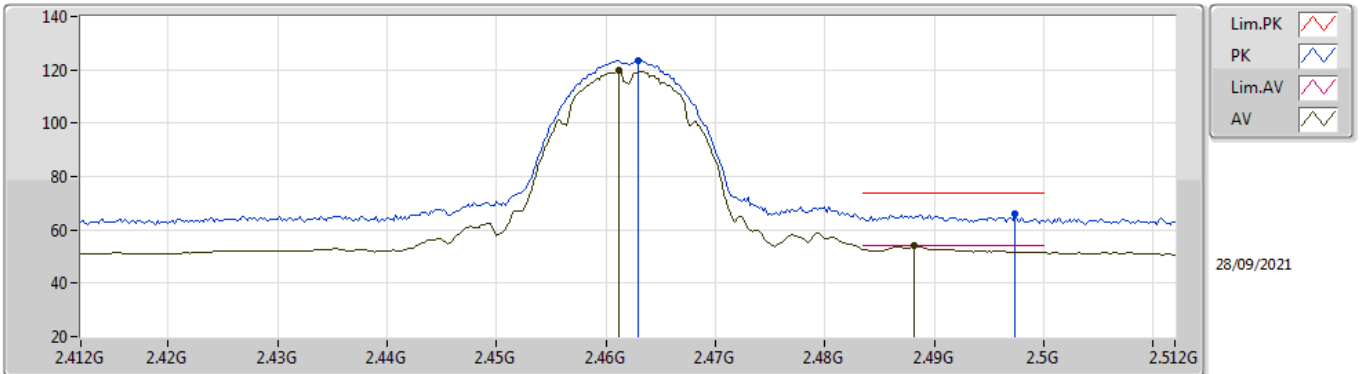


EUT_Y_4TX
Setting 108
02-B-S-8

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	4.8712G	45.92	74.00	-28.08	40.49	3	Horizontal	354	2.55	-	32.94	4.70	32.21
AV	4.8778G	40.26	54.00	-13.74	34.80	3	Horizontal	354	2.55	-	32.96	4.70	32.20

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

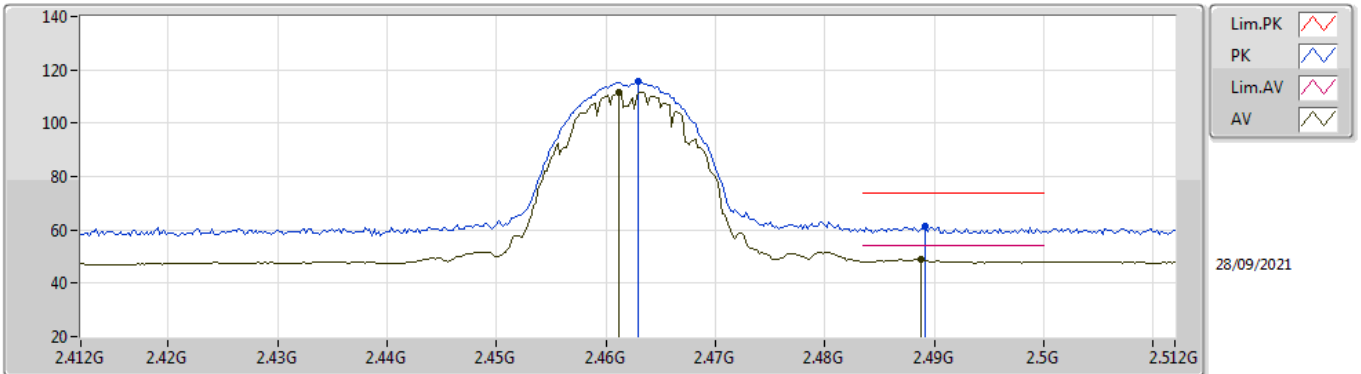


EUT_Y_4TX
Setting 100
02-B-S-8

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	2.463G	123.51	Inf	-Inf	92.63	3	Vertical	318	1.78	-	28.45	2.43	-	
AV	2.4612G	119.65	Inf	-Inf	88.78	3	Vertical	318	1.78	-	28.44	2.43	-	
PK	2.4974G	66.09	74.00	-7.91	35.05	3	Vertical	318	1.78	-	28.59	2.45	-	
AV	2.4882G	53.96	54.00	-0.04	22.97	3	Vertical	318	1.78	-	28.55	2.44	-	

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

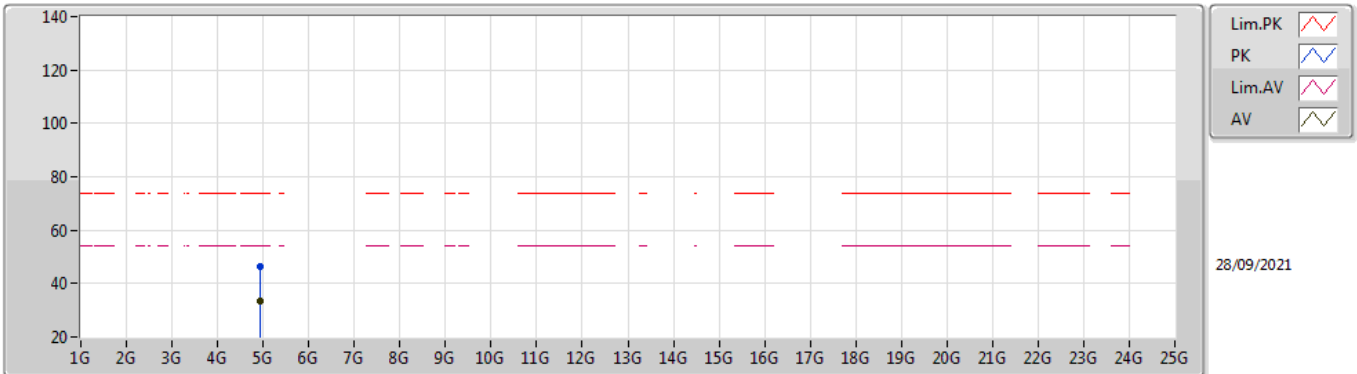


EUT_Y_4TX
Setting 100
02-B-S-8

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	2.463G	115.62	Inf	-Inf	84.74	3	Horizontal	244	2.01	-	28.45	2.43	-
AV	2.4612G	111.52	Inf	-Inf	80.65	3	Horizontal	244	2.01	-	28.44	2.43	-
PK	2.4892G	61.23	74.00	-12.77	30.23	3	Horizontal	244	2.01	-	28.56	2.44	-
AV	2.4888G	49.02	54.00	-4.98	18.02	3	Horizontal	244	2.01	-	28.56	2.44	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

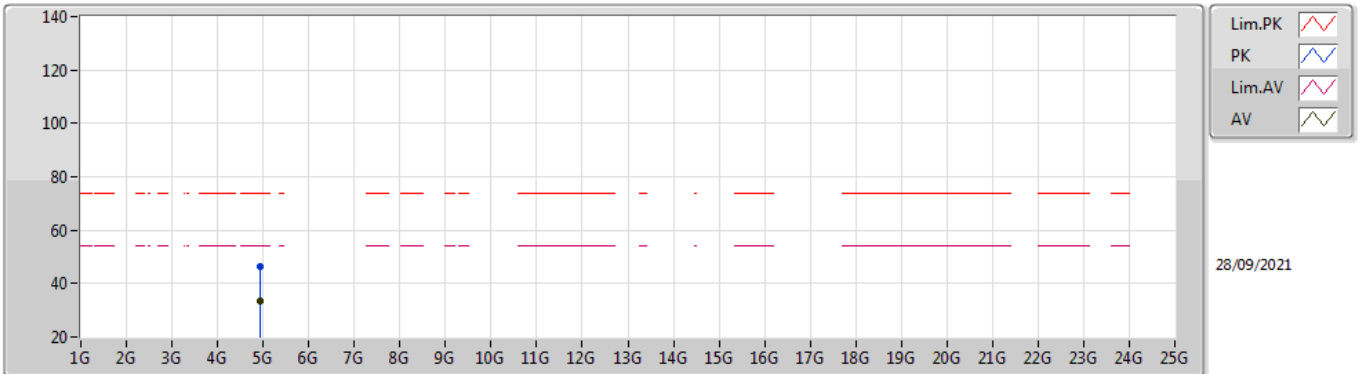


EUT Y_4TX
Setting 100
02-B-S-8

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	4.92882G	46.27	74.00	-27.73	40.59	3	Vertical	245	2.50	-	33.17	4.70	32.19	
AV	4.92476G	33.43	54.00	-20.57	27.77	3	Vertical	245	2.50	-	33.15	4.70	32.19	

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

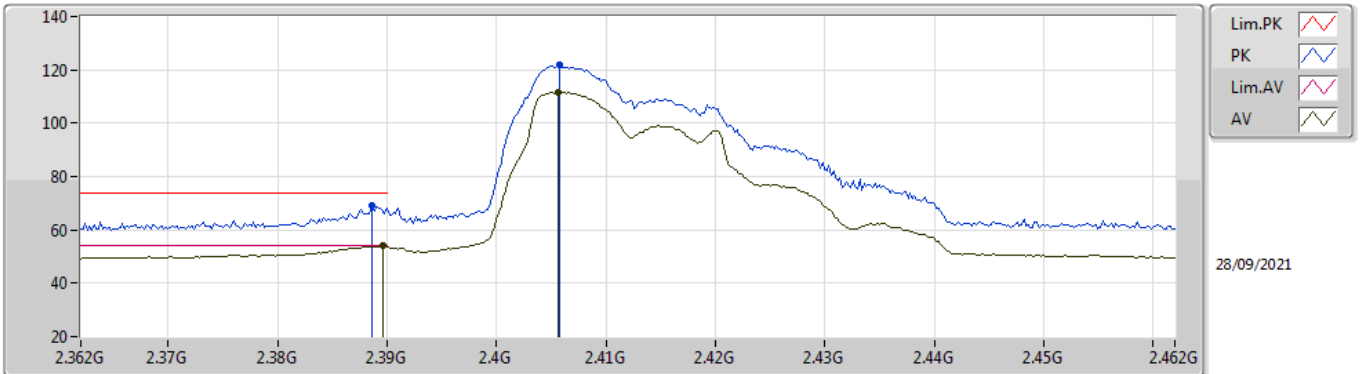


EUT Y_4TX
Setting 100
02-B-S-8

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	4.92746G	46.39	74.00	-27.61	40.72	3	Horizontal	126	2.25	-	33.16	4.70	32.19
AV	4.92686G	33.42	54.00	-20.58	27.75	3	Horizontal	126	2.25	-	33.16	4.70	32.19

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

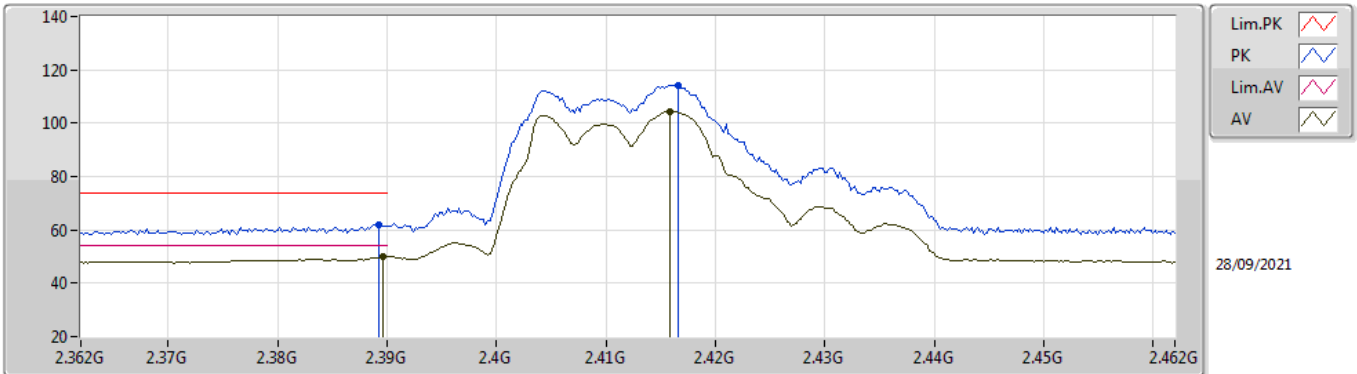


EUT_Y_4TX
Setting 84
02-B-S-8

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	2.3886G	69.01	74.00	-4.99	38.22	3	Vertical	341	2.23	-	28.38	2.41	-	
AV	2.3896G	53.94	54.00	-0.06	23.15	3	Vertical	341	2.23	-	28.38	2.41	-	
PK	2.4058G	121.79	Inf	-Inf	90.99	3	Vertical	341	2.23	-	28.40	2.40	-	
AV	2.4056G	111.48	Inf	-Inf	80.68	3	Vertical	341	2.23	-	28.40	2.40	-	

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

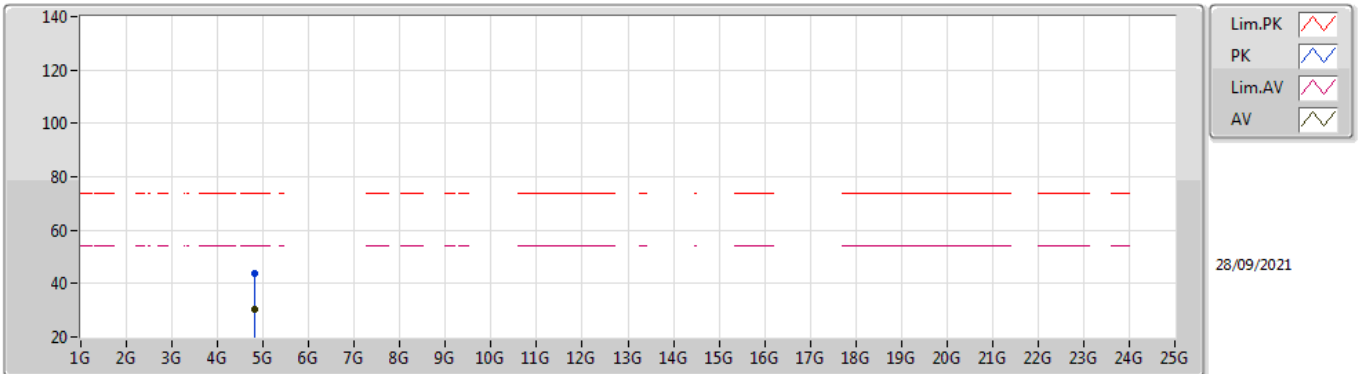


EUT Y_4TX
Setting 84
02-B-S-8

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	2.3892G	61.94	74.00	-12.06	31.15	3	Horizontal	111	1.77	-	28.38	2.41	-
AV	2.3896G	50.13	54.00	-3.87	19.34	3	Horizontal	111	1.77	-	28.38	2.41	-
PK	2.4166G	114.39	Inf	-Inf	83.58	3	Horizontal	111	1.77	-	28.40	2.41	-
AV	2.4158G	104.42	Inf	-Inf	73.61	3	Horizontal	111	1.77	-	28.40	2.41	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

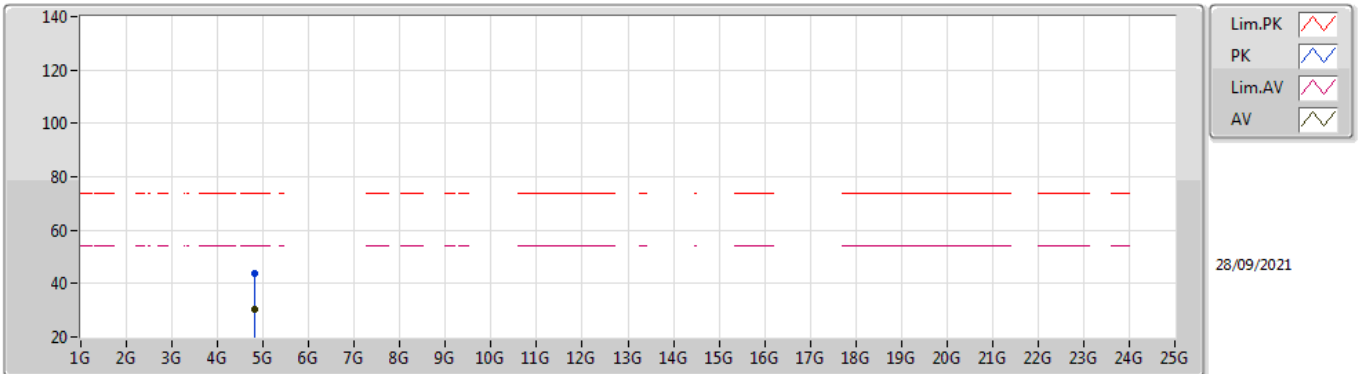


EUT Y_4TX
Setting 84
02-B-S-8

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	4.82248G	43.69	74.00	-30.31	38.42	3	Vertical	132	2.32	-	32.79	4.70	32.22
AV	4.82298G	30.19	54.00	-23.81	24.92	3	Vertical	132	2.32	-	32.79	4.70	32.22

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

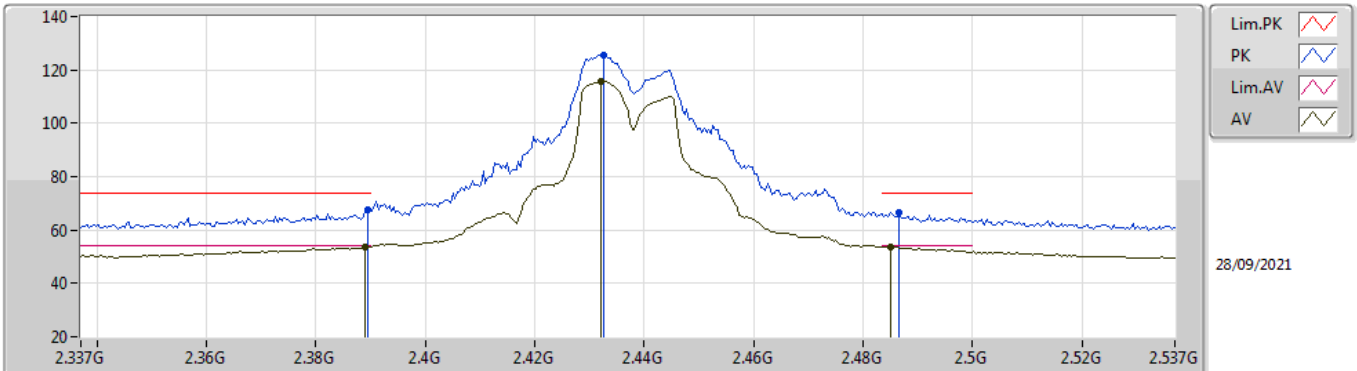


EUT Y_4TX
Setting 84
02-B-S-8

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	4.8237G	43.89	74.00	-30.11	38.62	3	Horizontal	126	1.24	-	32.79	4.70	32.22
AV	4.82168G	30.13	54.00	-23.87	24.86	3	Horizontal	126	1.24	-	32.79	4.70	32.22

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

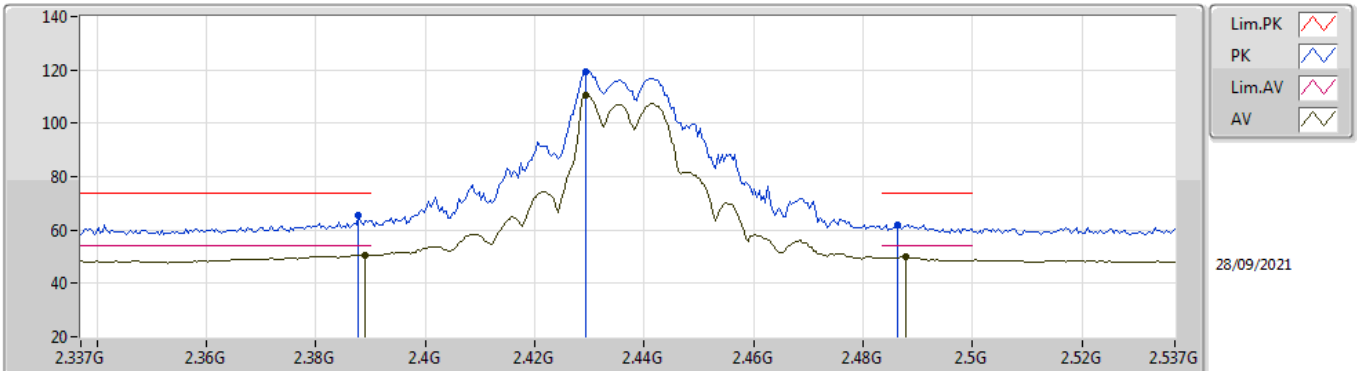


EUT_Y_4TX
Setting 103
02-B-S-8

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	2.3894G	67.84	74.00	-6.16	37.05	3	Vertical	341	1.80	-	28.38	2.41	-
AV	2.389G	53.67	54.00	-0.33	22.88	3	Vertical	341	1.80	-	28.38	2.41	-
PK	2.4326G	125.70	Inf	-Inf	94.88	3	Vertical	341	1.80	-	28.40	2.42	-
AV	2.4322G	115.52	Inf	-Inf	84.70	3	Vertical	341	1.80	-	28.40	2.42	-
PK	2.4866G	66.66	74.00	-7.34	35.67	3	Vertical	341	1.80	-	28.55	2.44	-
AV	2.485G	53.81	54.00	-0.19	22.83	3	Vertical	341	1.80	-	28.54	2.44	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

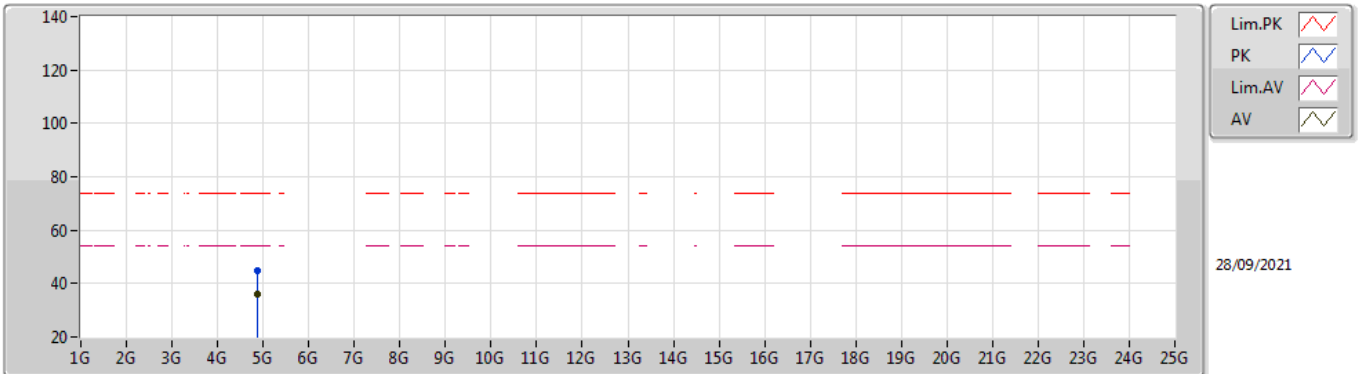


EUT_Y_4TX
Setting 103
02-B-S-8

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	2.3878G	65.57	74.00	-8.43	34.78	3	Horizontal	106	1.98	-	28.38	2.41	-
AV	2.389G	50.67	54.00	-3.33	19.88	3	Horizontal	106	1.98	-	28.38	2.41	-
PK	2.4294G	119.45	Inf	-Inf	88.64	3	Horizontal	106	1.98	-	28.40	2.41	-
AV	2.4294G	110.48	Inf	-Inf	79.67	3	Horizontal	106	1.98	-	28.40	2.41	-
PK	2.4862G	61.89	74.00	-12.11	30.91	3	Horizontal	106	1.98	-	28.54	2.44	-
AV	2.4878G	49.83	54.00	-4.17	18.84	3	Horizontal	106	1.98	-	28.55	2.44	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

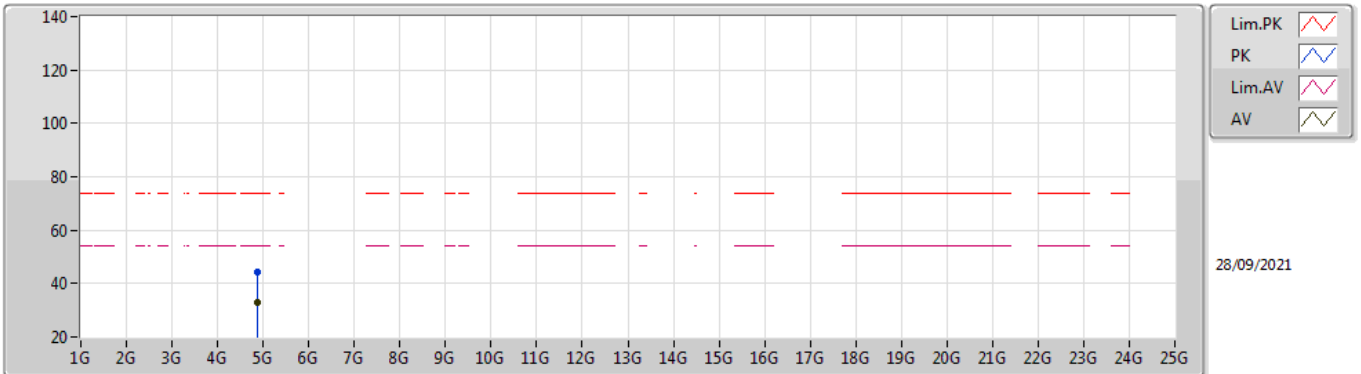


EUT Y_4TX
Setting 103
02-B-S-8

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	4.8743G	44.96	74.00	-29.04	39.52	3	Vertical	72	1.93	-	32.95	4.70	32.21
AV	4.87398G	35.84	54.00	-18.16	30.40	3	Vertical	72	1.93	-	32.95	4.70	32.21

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

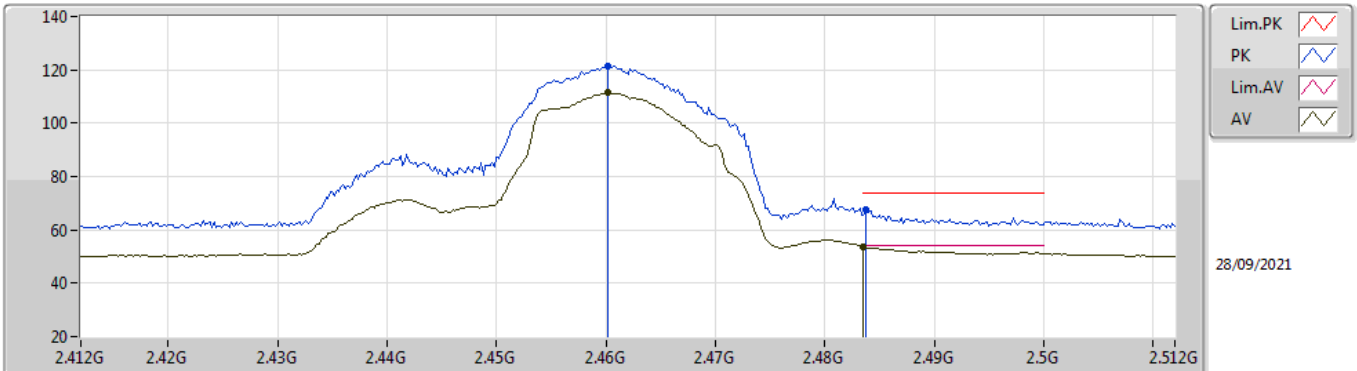


EUT Y_4TX
Setting 103
02-B-S-8

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	4.87422G	44.46	74.00	-29.54	39.02	3	Horizontal	63	2.19	-	32.95	4.70	32.21
AV	4.87104G	32.73	54.00	-21.27	27.30	3	Horizontal	63	2.19	-	32.94	4.70	32.21

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

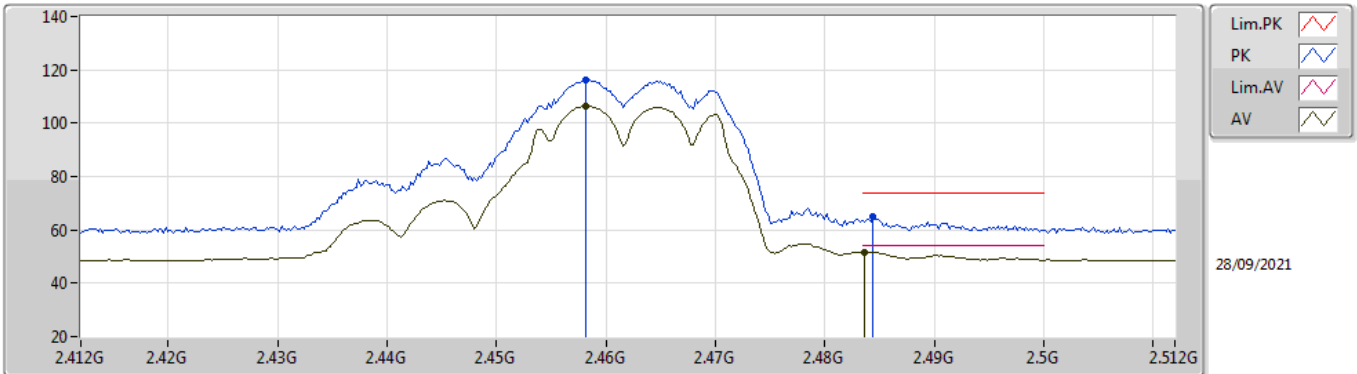


EUT_Y_4TX
Setting 91
02-B-S-8

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	2.4602G	121.32	Inf	-Inf	90.45	3	Vertical	322	1.40	-	28.44	2.43	-	
AV	2.4602G	111.34	Inf	-Inf	80.47	3	Vertical	322	1.40	-	28.44	2.43	-	
PK	2.4838G	67.63	74.00	-6.37	36.65	3	Vertical	322	1.40	-	28.54	2.44	-	
AV	2.4835G	53.70	54.00	-0.30	22.73	3	Vertical	322	1.40	-	28.53	2.44	-	

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

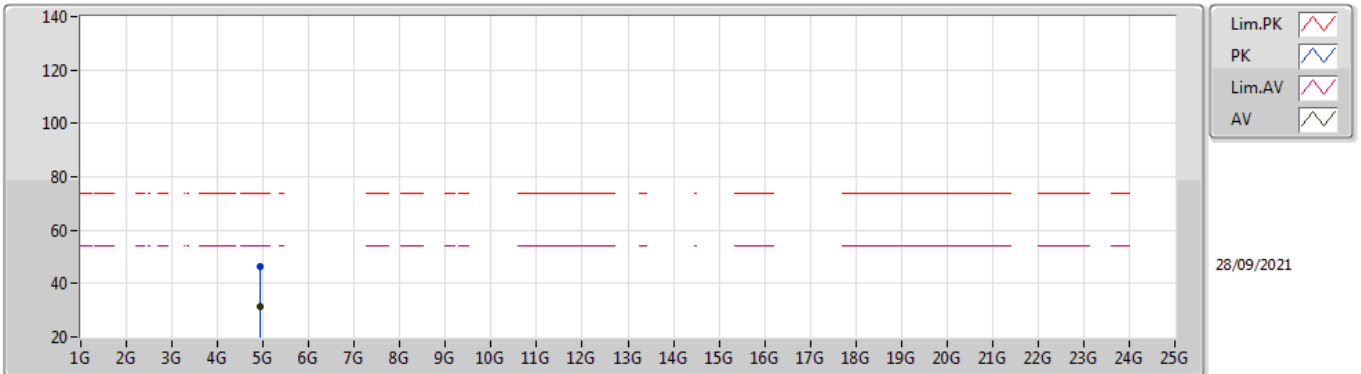


EUT Y_4TX
Setting 91
02-B-S-8

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	2.4582G	116.07	Inf	-Inf	85.21	3	Horizontal	301	1.64	-	28.43	2.43	-
AV	2.4582G	106.36	Inf	-Inf	75.50	3	Horizontal	301	1.64	-	28.43	2.43	-
PK	2.4844G	64.82	74.00	-9.18	33.84	3	Horizontal	301	1.64	-	28.54	2.44	-
AV	2.4836G	51.73	54.00	-2.27	20.76	3	Horizontal	301	1.64	-	28.53	2.44	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

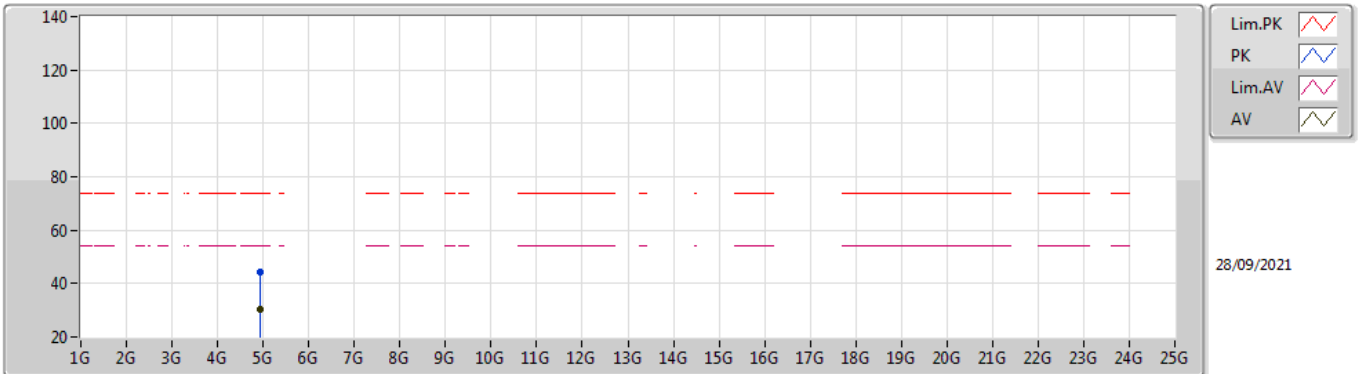


EUT Y_4TX
Setting 91
02-B-S-8

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	4.9258G	46.17	74.00	-27.83	40.51	3	Vertical	218	2.12	-	33.15	4.70	32.19	
AV	4.92706G	31.23	54.00	-22.77	25.56	3	Vertical	218	2.12	-	33.16	4.70	32.19	

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX



EUT_Y_4TX
Setting 91
02-B-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	4.92742G	44.41	74.00	-29.59	38.74	3	Horizontal	192	1.03	-	33.16	4.70	32.19
AV	4.92574G	30.22	54.00	-23.78	24.56	3	Horizontal	192	1.03	-	33.15	4.70	32.19



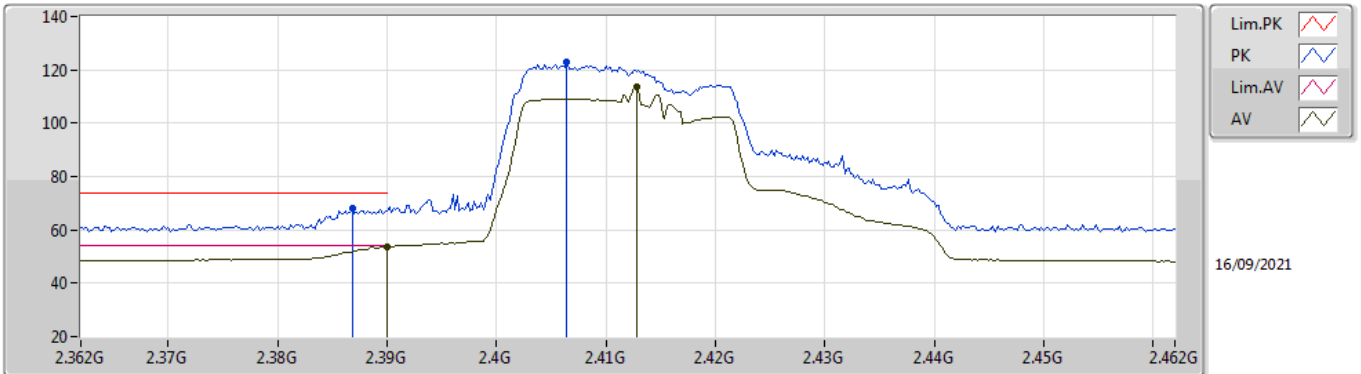
For 4T1S <Beamforming Mode>

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	2.3898G	53.89	54.00	-0.11	3	Vertical	170	1.80	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

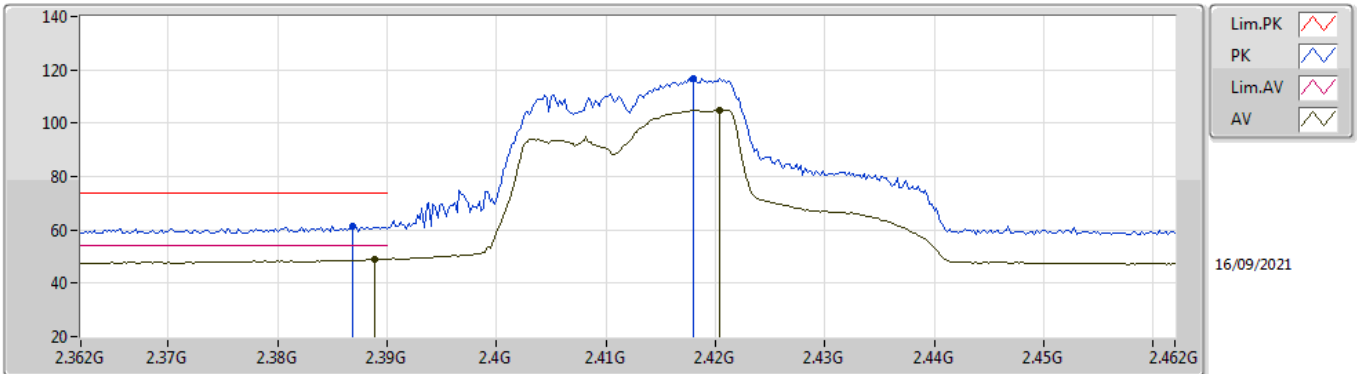


EUT Y_4TX
Setting 81
02-B-B-4

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	2.3868G	68.13	74.00	-5.87	37.35	3	Vertical	26	2.19	-	28.37	2.41	-	
AV	2.39G	53.78	54.00	-0.22	22.99	3	Vertical	26	2.19	-	28.38	2.41	-	
PK	2.4064G	122.68	Inf	-Inf	91.88	3	Vertical	26	2.19	-	28.40	2.40	-	
AV	2.4128G	113.72	Inf	-Inf	82.91	3	Vertical	26	2.19	-	28.40	2.41	-	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

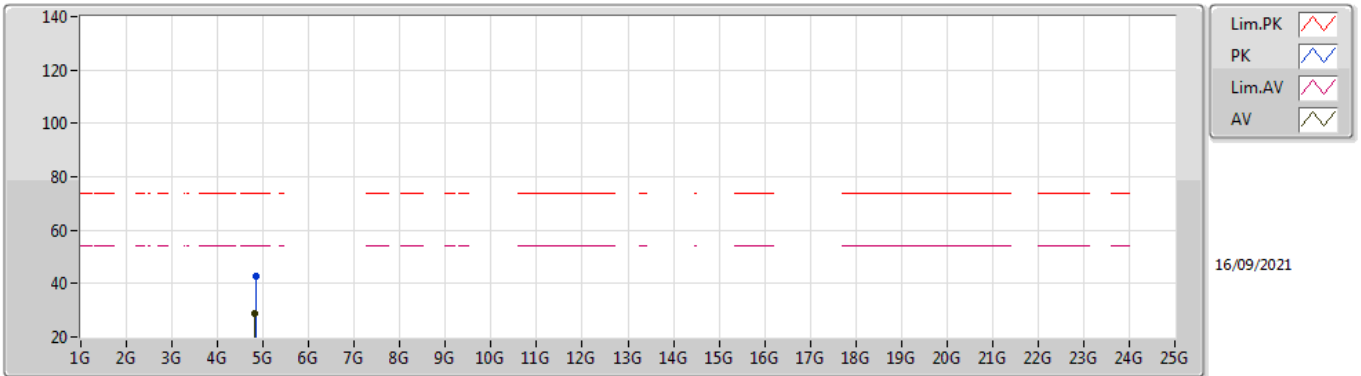


EUT_Y_4TX
Setting 81
02-B-B-4

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	2.3868G	61.37	74.00	-12.63	30.59	3	Horizontal	129	1.61	-	28.37	2.41	-
AV	2.3888G	49.01	54.00	-4.99	18.22	3	Horizontal	129	1.61	-	28.38	2.41	-
PK	2.418G	116.87	Inf	-Inf	86.06	3	Horizontal	129	1.61	-	28.40	2.41	-
AV	2.4204G	105.05	Inf	-Inf	74.24	3	Horizontal	129	1.61	-	28.40	2.41	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

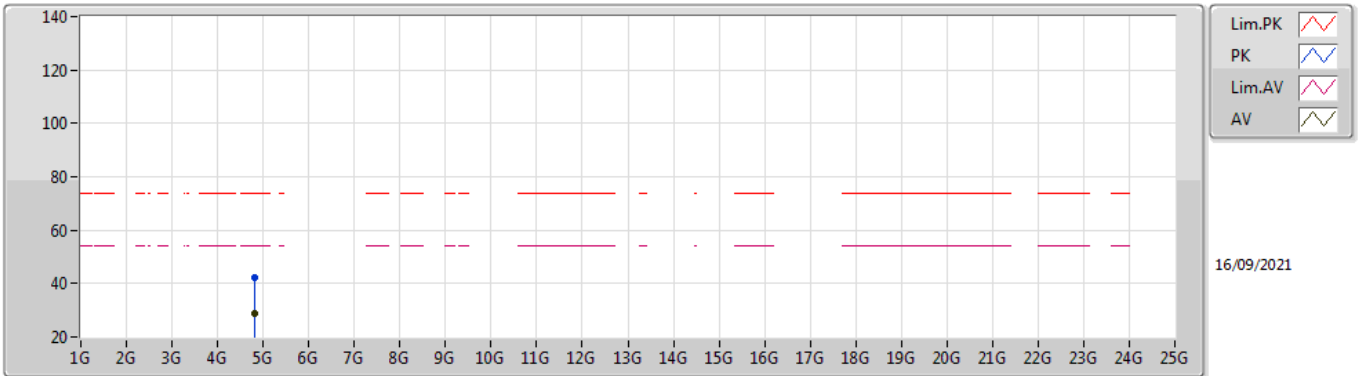


EUT Y_4TX
Setting 81
02-B-B-4

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	4.83396G	42.54	74.00	-31.46	37.22	3	Vertical	136	2.96	-	32.84	4.70	32.22
AV	4.82392G	28.85	54.00	-25.15	23.57	3	Vertical	136	2.96	-	32.80	4.70	32.22

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

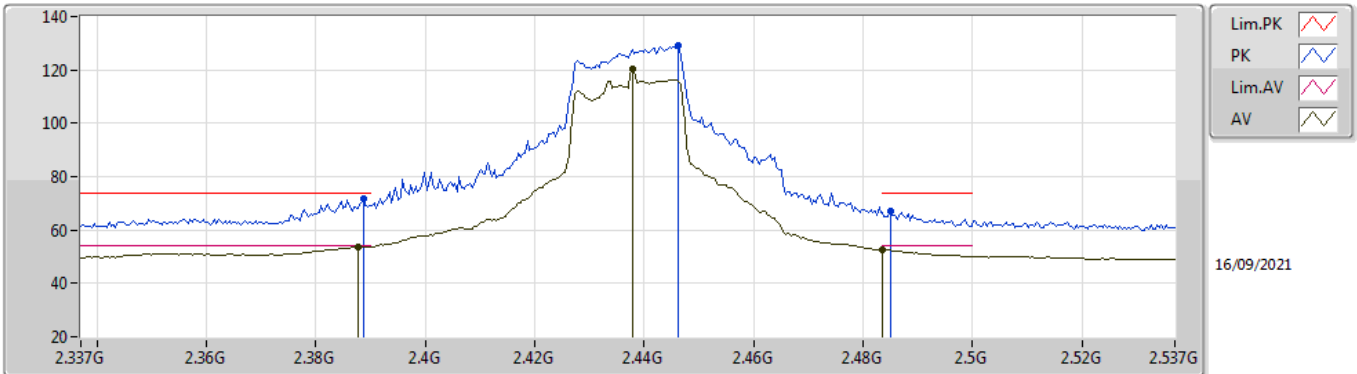


EUT Y_4TX
Setting 81
02-B-B-4

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	4.81624G	42.21	74.00	-31.79	36.98	3	Horizontal	174	1.53	-	32.76	4.70	32.23
AV	4.81432G	28.83	54.00	-25.17	23.60	3	Horizontal	174	1.53	-	32.76	4.70	32.23

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

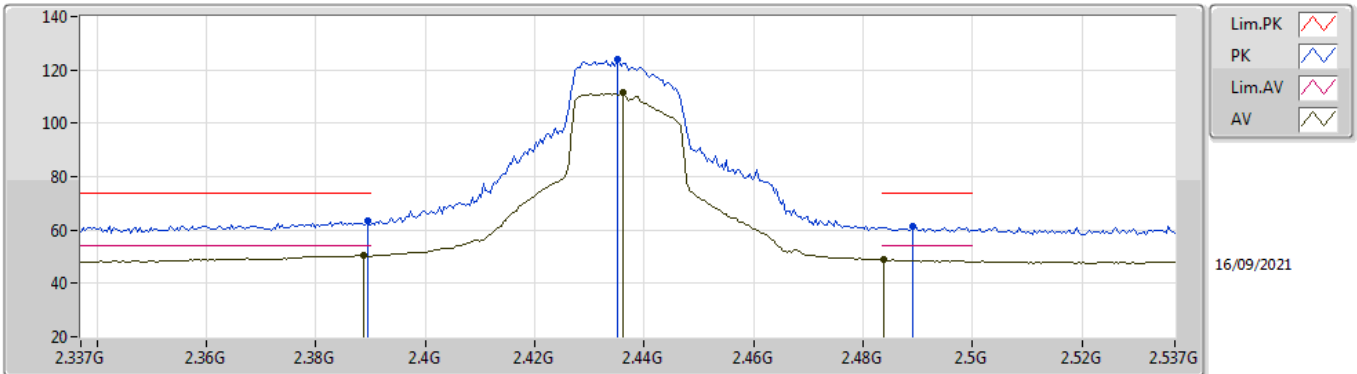


EUT_Y_4TX
Setting 101
02-B-B-4

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	2.3886G	71.93	74.00	-2.07	41.14	3	Vertical	178	1.80	-	28.38	2.41	-
AV	2.3878G	53.83	54.00	-0.17	23.04	3	Vertical	178	1.80	-	28.38	2.41	-
PK	2.4462G	129.34	Inf	-Inf	98.52	3	Vertical	178	1.80	-	28.40	2.42	-
AV	2.4378G	120.12	Inf	-Inf	89.30	3	Vertical	178	1.80	-	28.40	2.42	-
PK	2.485G	67.10	74.00	-6.90	36.12	3	Vertical	178	1.80	-	28.54	2.44	-
AV	2.4835G	52.76	54.00	-1.24	21.79	3	Vertical	178	1.80	-	28.53	2.44	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

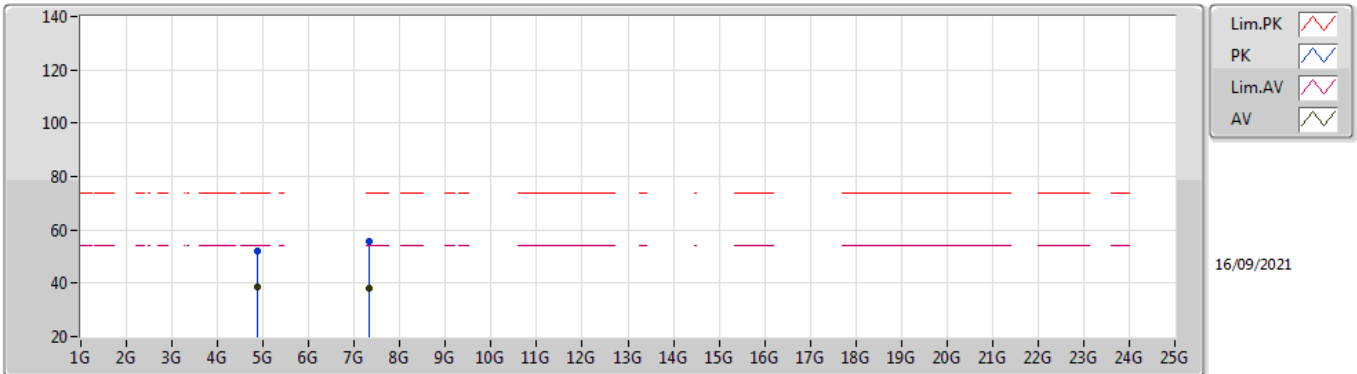


EUT_Y_4TX
Setting 101
02-B-B-4

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	2.3894G	63.21	74.00	-10.79	32.42	3	Horizontal	127	1.61	-	28.38	2.41	-
AV	2.3886G	50.39	54.00	-3.61	19.60	3	Horizontal	127	1.61	-	28.38	2.41	-
PK	2.435G	123.97	Inf	-Inf	93.15	3	Horizontal	127	1.61	-	28.40	2.42	-
AV	2.4362G	111.46	Inf	-Inf	80.64	3	Horizontal	127	1.61	-	28.40	2.42	-
PK	2.489G	61.17	74.00	-12.83	30.17	3	Horizontal	127	1.61	-	28.56	2.44	-
AV	2.4838G	48.78	54.00	-5.22	17.80	3	Horizontal	127	1.61	-	28.54	2.44	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

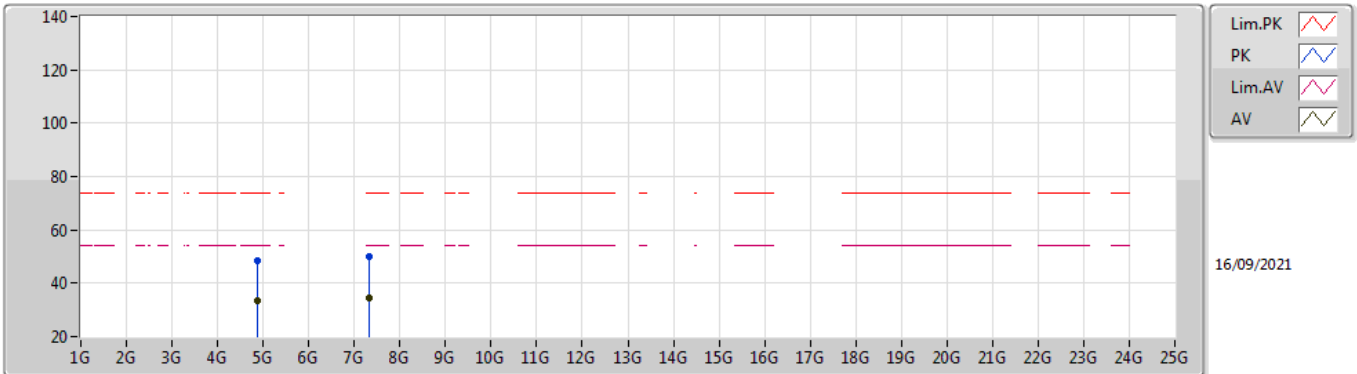


EUT_Y_4TX
Setting 101
02-B-B-4

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	4.87104G	52.19	74.00	-21.81	46.76	3	Vertical	338	2.18	-	32.94	4.70	32.21
AV	4.874G	38.86	54.00	-15.14	33.42	3	Vertical	338	2.18	-	32.95	4.70	32.21
PK	7.31516G	55.82	74.00	-18.18	46.46	3	Vertical	186	1.66	-	36.43	5.76	32.83
AV	7.31844G	38.22	54.00	-15.78	28.85	3	Vertical	186	1.66	-	36.44	5.76	32.83

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

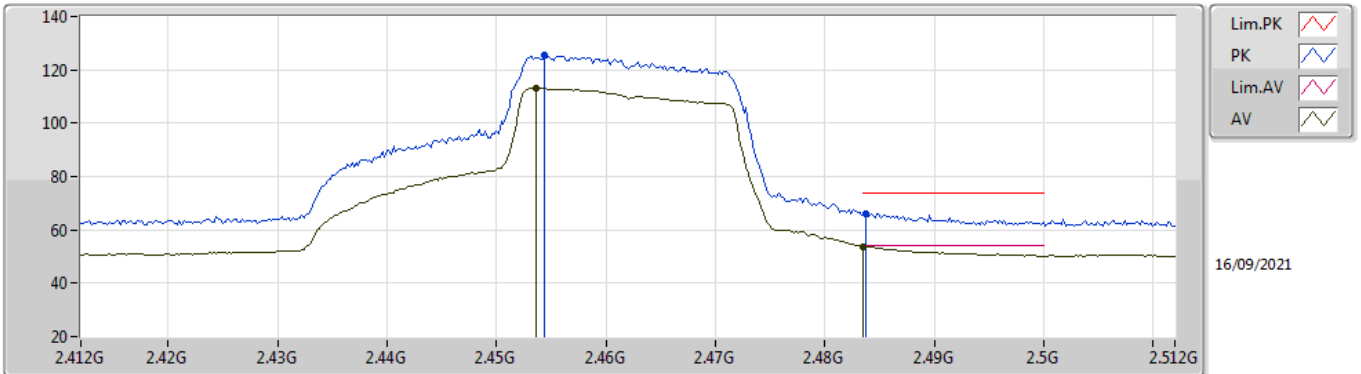


EUT_Y_4TX
Setting 101
02-B-B-4

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	4.87388G	48.46	74.00	-25.54	43.02	3	Horizontal	186	2.49	-	32.95	4.70	32.21
AV	4.87452G	33.64	54.00	-20.36	28.20	3	Horizontal	186	2.49	-	32.95	4.70	32.21
PK	7.3106G	50.23	74.00	-23.77	40.87	3	Horizontal	191	2.97	-	36.42	5.76	32.82
AV	7.31696G	34.62	54.00	-19.38	25.26	3	Horizontal	191	2.97	-	36.43	5.76	32.83

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

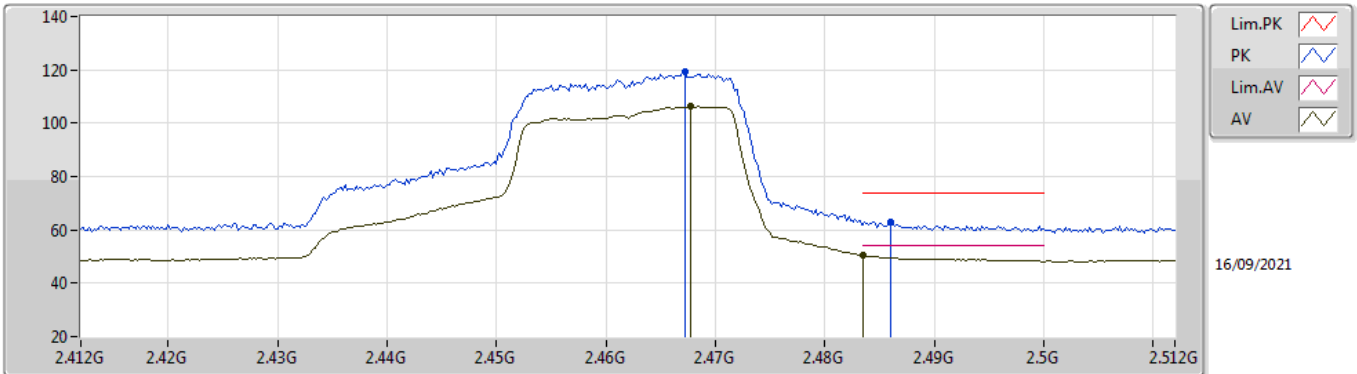


EUT_Y_4TX
Setting 93
02-B-B-4

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	2.4544G	125.30	Inf	-Inf	94.45	3	Vertical	351	2.16	-	28.42	2.43	-
AV	2.4536G	113.27	Inf	-Inf	82.43	3	Vertical	351	2.16	-	28.41	2.43	-
PK	2.4838G	66.26	74.00	-7.74	35.28	3	Vertical	351	2.16	-	28.54	2.44	-
AV	2.4835G	53.83	54.00	-0.17	22.86	3	Vertical	351	2.16	-	28.53	2.44	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

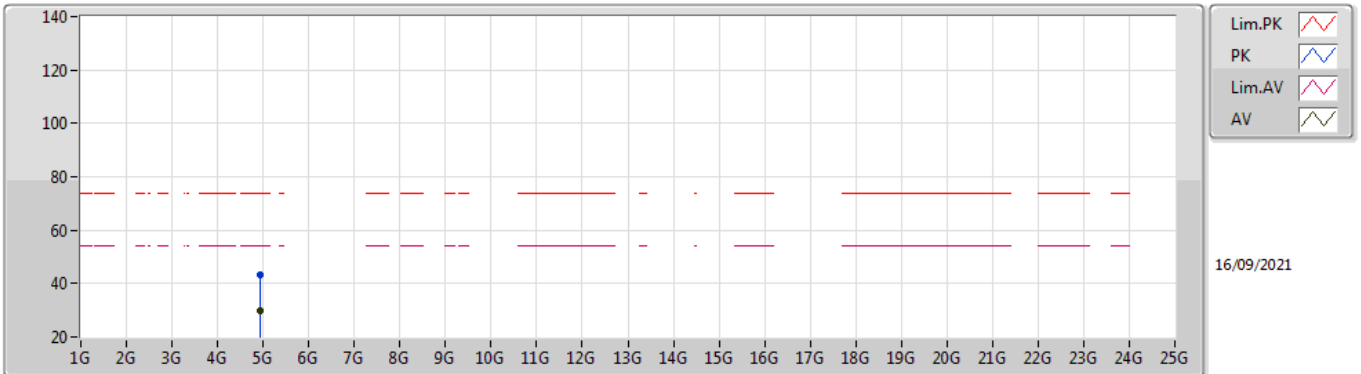


EUT_Y_4TX
Setting 93
02-B-B-4

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	2.4672G	119.25	Inf	-Inf	88.35	3	Horizontal	105	1.05	-	28.47	2.43	-
AV	2.4678G	106.18	Inf	-Inf	75.28	3	Horizontal	105	1.05	-	28.47	2.43	-
PK	2.486G	62.89	74.00	-11.11	31.91	3	Horizontal	105	1.05	-	28.54	2.44	-
AV	2.4835G	50.52	54.00	-3.48	19.55	3	Horizontal	105	1.05	-	28.53	2.44	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

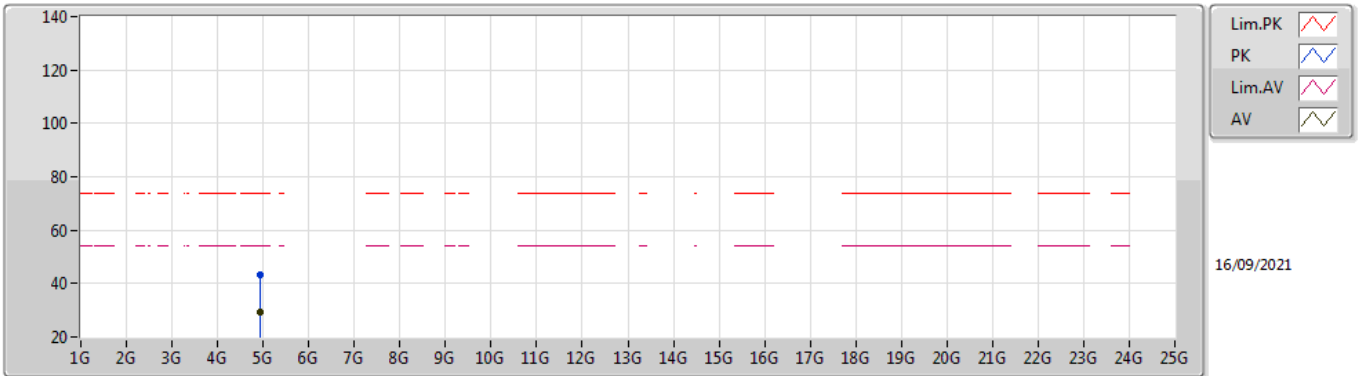


EUT Y_4TX
Setting 93
02-B-B-4

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	4.9256G	43.43	74.00	-30.57	37.77	3	Vertical	352	2.15	-	33.15	4.70	32.19
AV	4.92408G	30.06	54.00	-23.94	24.41	3	Vertical	352	2.15	-	33.14	4.70	32.19

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

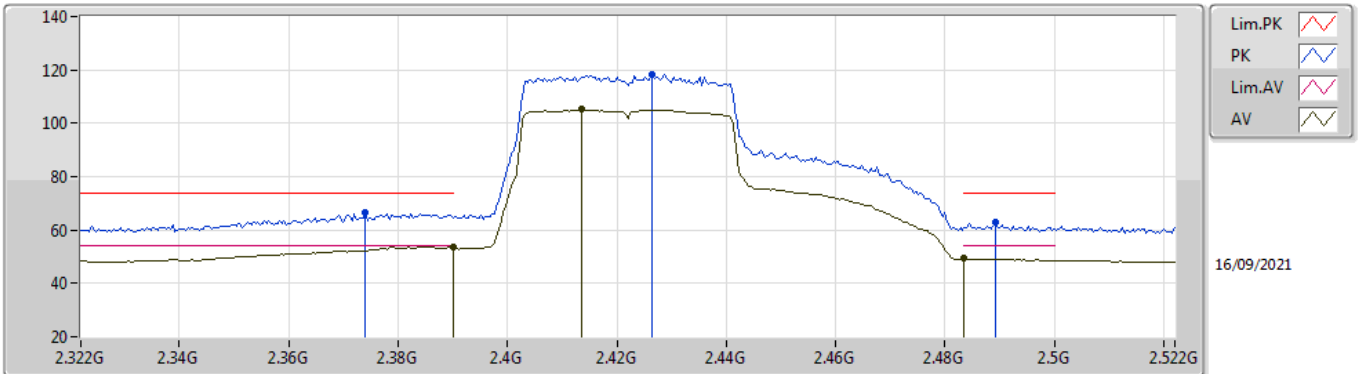


EUT Y_4TX
Setting 93
02-B-B-4

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	4.92376G	43.10	74.00	-30.90	37.45	3	Horizontal	358	1.24	-	33.14	4.70	32.19
AV	4.92544G	29.35	54.00	-24.65	23.69	3	Horizontal	358	1.24	-	33.15	4.70	32.19

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

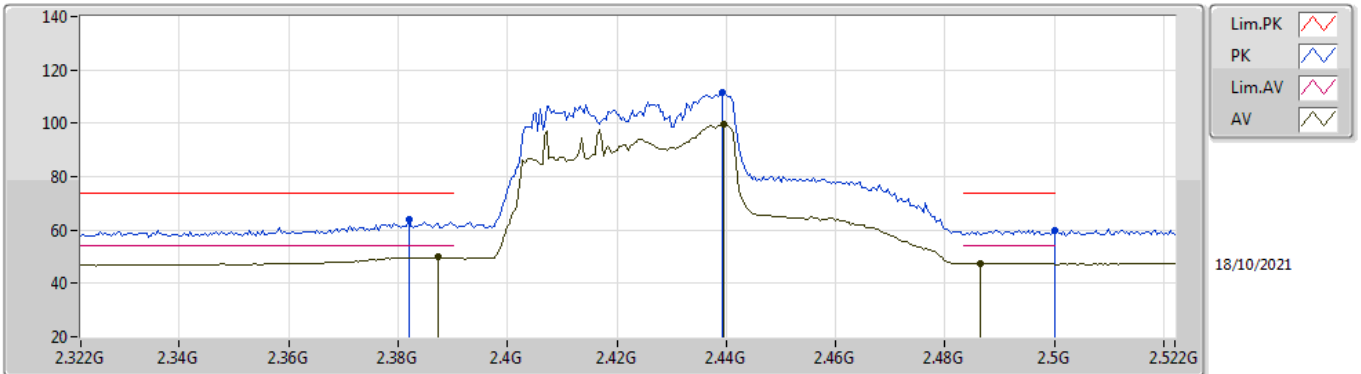


EUT_Y_4TX
Setting 78
02-B-B-4

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	2.374G	66.50	74.00	-7.50	35.74	3	Vertical	158	1.80	-	28.35	2.41	-
AV	2.39G	53.79	54.00	-0.21	23.00	3	Vertical	158	1.80	-	28.38	2.41	-
PK	2.4264G	118.47	Inf	-Inf	87.66	3	Vertical	158	1.80	-	28.40	2.41	-
AV	2.4136G	105.10	Inf	-Inf	74.29	3	Vertical	158	1.80	-	28.40	2.41	-
PK	2.4892G	62.68	74.00	-11.32	31.68	3	Vertical	158	1.80	-	28.56	2.44	-
AV	2.4835G	49.33	54.00	-4.67	18.36	3	Vertical	158	1.80	-	28.53	2.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

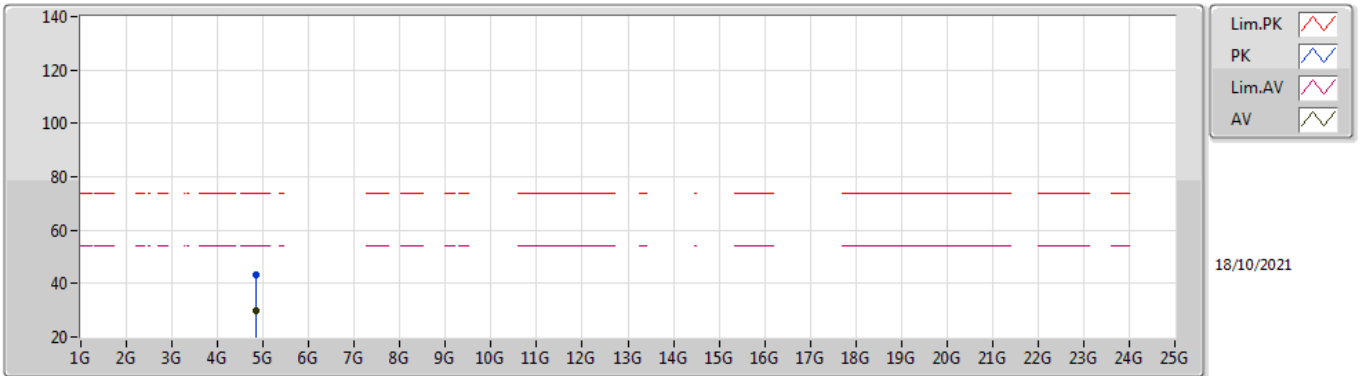


EUT_Y_4TX
Setting 78
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.382G	64.10	74.00	-9.90	33.33	3	Horizontal	120	1.28	-	28.36	2.41	-
AV	2.3872G	49.75	54.00	-4.25	18.97	3	Horizontal	120	1.28	-	28.37	2.41	-
PK	2.4392G	111.30	Inf	-Inf	80.48	3	Horizontal	120	1.28	-	28.40	2.42	-
AV	2.4396G	99.41	Inf	-Inf	68.59	3	Horizontal	120	1.28	-	28.40	2.42	-
PK	2.5G	59.83	74.00	-14.17	28.78	3	Horizontal	120	1.28	-	28.60	2.45	-
AV	2.4864G	47.52	54.00	-6.48	16.53	3	Horizontal	120	1.28	-	28.55	2.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

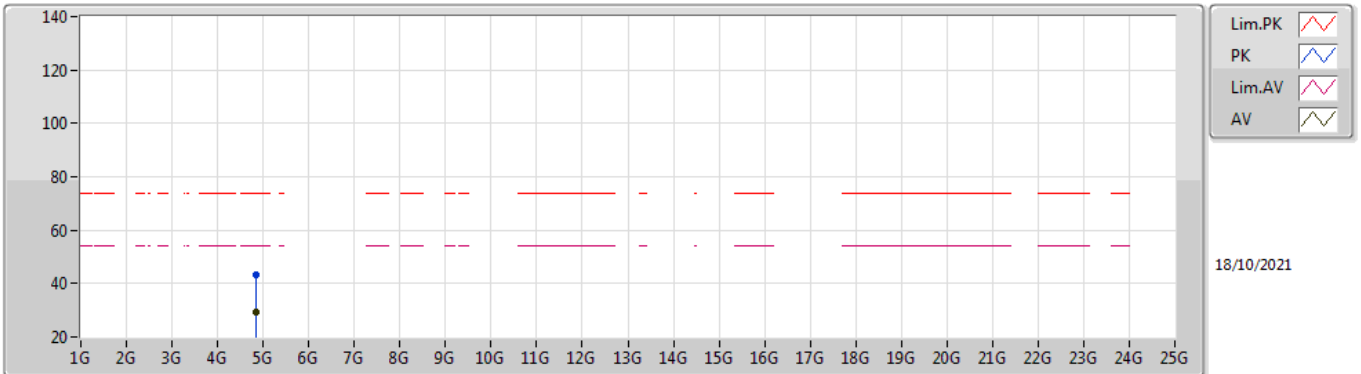


EUT Y_4TX
Setting 78
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.83952G	43.52	74.00	-30.48	38.18	3	Vertical	329	2.77	-	32.86	4.70	32.22	
AV	4.83576G	29.62	54.00	-24.38	24.30	3	Vertical	329	2.77	-	32.84	4.70	32.22	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

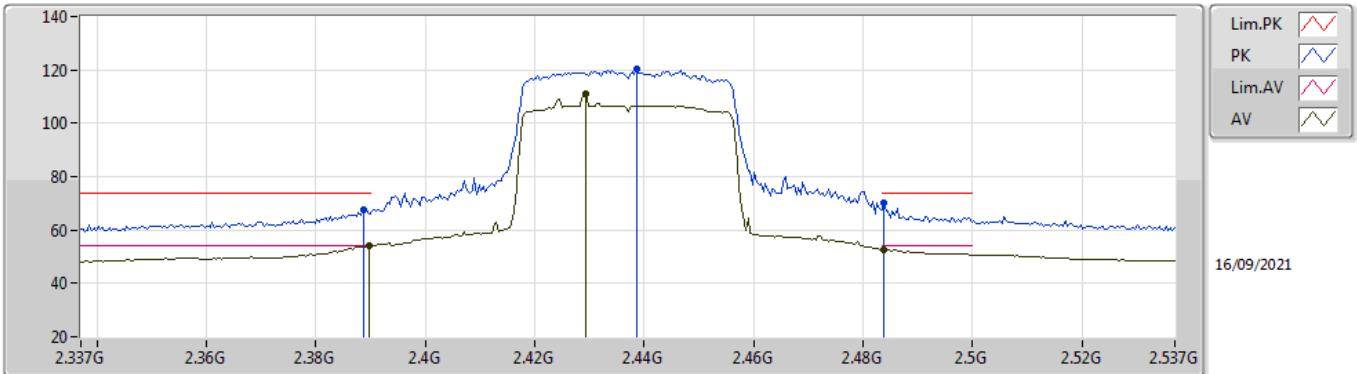


EUT Y_4TX
Setting 78
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83516G	43.29	74.00	-30.71	37.97	3	Horizontal	113	2.91	-	32.84	4.70	32.22
AV	4.8354G	29.34	54.00	-24.66	24.02	3	Horizontal	113	2.91	-	32.84	4.70	32.22

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

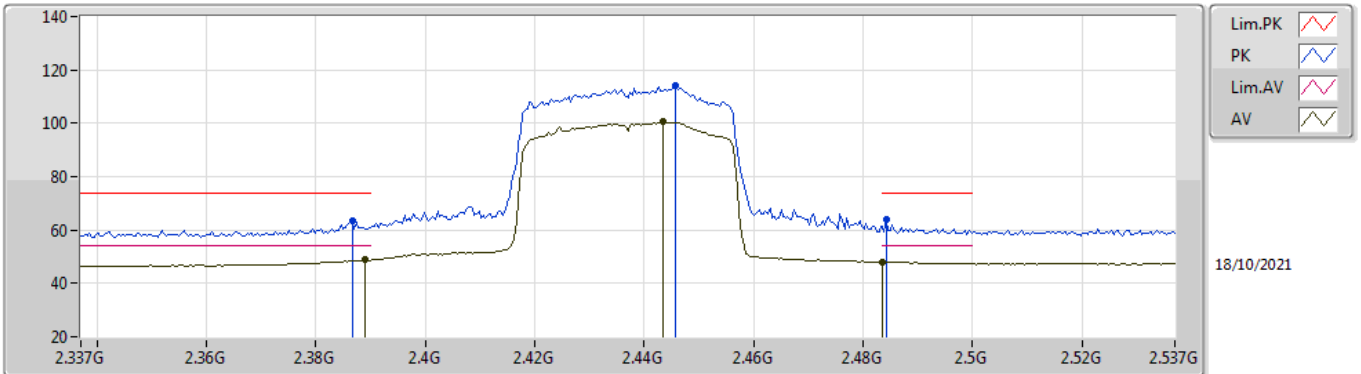


EUT_Y_4TX
Setting 83
02-B-B-4

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	2.3886G	67.66	74.00	-6.34	36.87	3	Vertical	170	1.80	-	28.38	2.41	-
AV	2.3898G	53.89	54.00	-0.11	23.10	3	Vertical	170	1.80	-	28.38	2.41	-
PK	2.4386G	120.14	Inf	-Inf	89.32	3	Vertical	170	1.80	-	28.40	2.42	-
AV	2.4294G	110.88	Inf	-Inf	80.07	3	Vertical	170	1.80	-	28.40	2.41	-
PK	2.4838G	70.12	74.00	-3.88	39.14	3	Vertical	170	1.80	-	28.54	2.44	-
AV	2.4838G	52.67	54.00	-1.33	21.69	3	Vertical	170	1.80	-	28.54	2.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

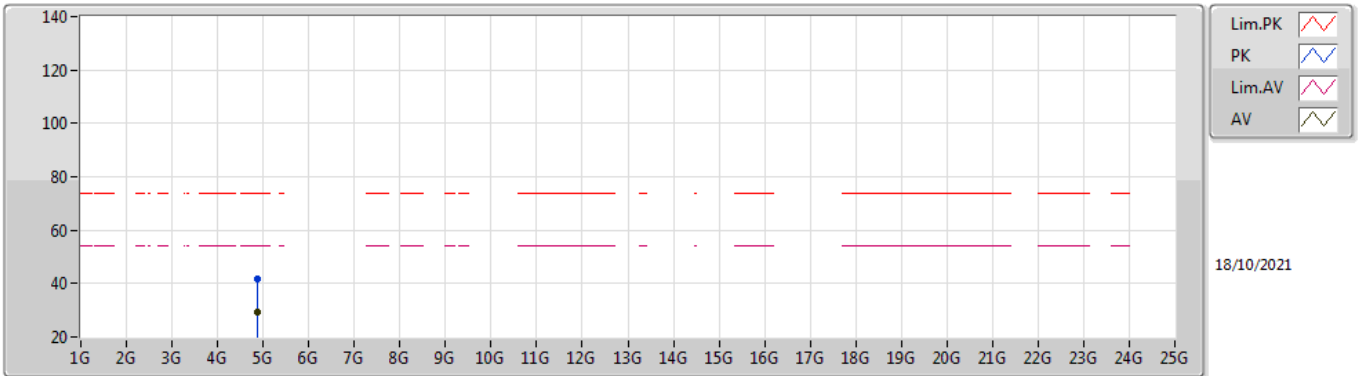


EUT_Y_4TX
Setting 83
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	63.58	74.00	-10.42	32.80	3	Horizontal	177	1.60	-	28.37	2.41	-
AV	2.389G	48.80	54.00	-5.20	18.01	3	Horizontal	177	1.60	-	28.38	2.41	-
PK	2.4458G	114.00	Inf	-Inf	83.18	3	Horizontal	177	1.60	-	28.40	2.42	-
AV	2.4434G	100.48	Inf	-Inf	69.66	3	Horizontal	177	1.60	-	28.40	2.42	-
PK	2.4842G	63.98	74.00	-10.02	33.00	3	Horizontal	177	1.60	-	28.54	2.44	-
AV	2.4835G	47.98	54.00	-6.02	17.01	3	Horizontal	177	1.60	-	28.53	2.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

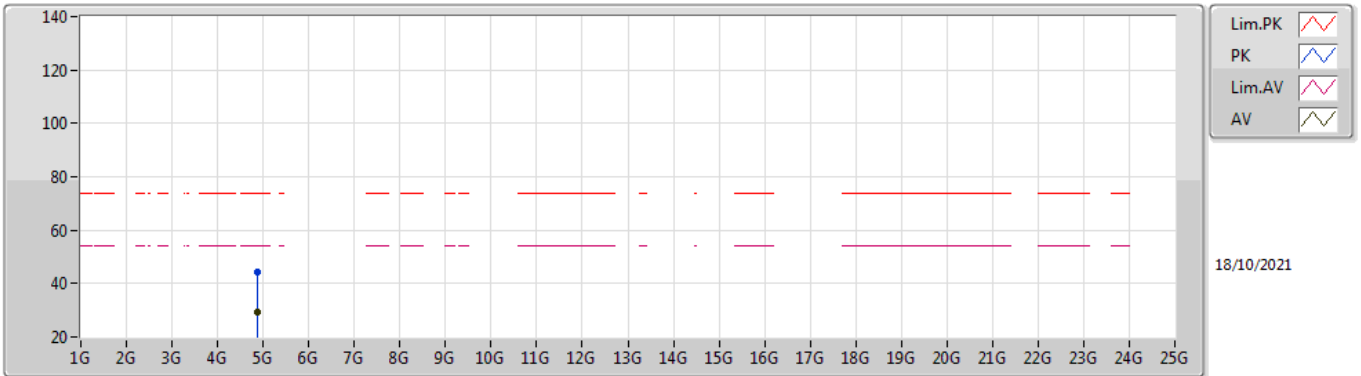


EUT Y_4TX
Setting 83
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.879G	41.94	74.00	-32.06	36.48	3	Vertical	163	1.75	-	32.96	4.70	32.20	
AV	4.87584G	29.11	54.00	-24.89	23.66	3	Vertical	163	1.75	-	32.95	4.70	32.20	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

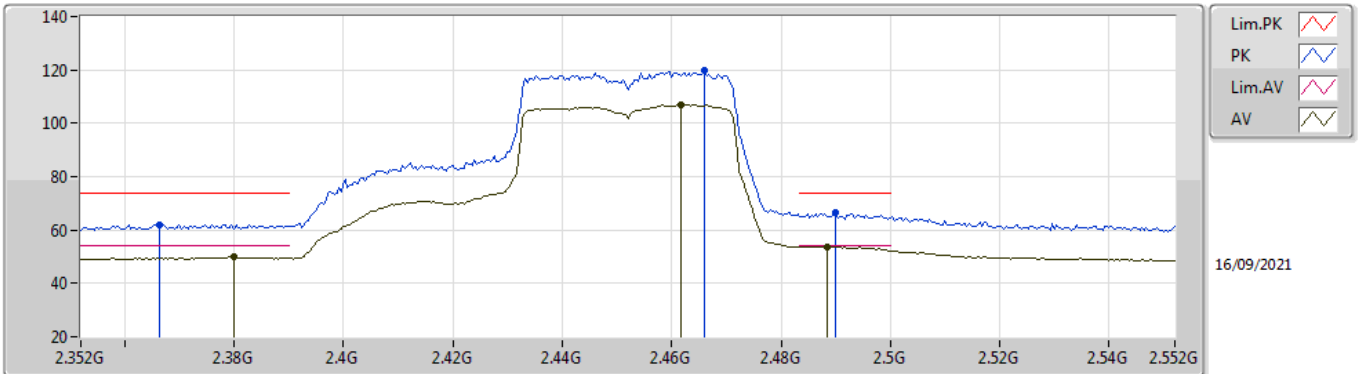


EUT Y_4TX
Setting 83
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87592G	44.18	74.00	-29.82	38.73	3	Horizontal	218	2.87	-	32.95	4.70	32.20
AV	4.88384G	29.18	54.00	-24.82	23.71	3	Horizontal	218	2.87	-	32.97	4.70	32.20

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

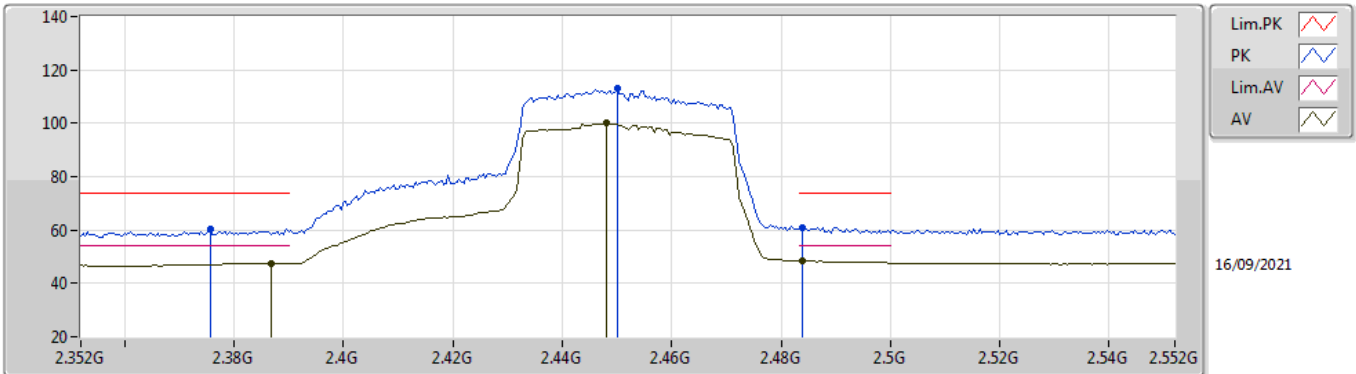


EUT_Y_4TX
Setting 78
02-B-B-4

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	2.3664G	62.09	74.00	-11.91	31.34	3	Vertical	160	1.75	-	28.33	2.42	-
AV	2.38G	49.95	54.00	-4.05	19.18	3	Vertical	160	1.75	-	28.36	2.41	-
PK	2.466G	119.74	Inf	-Inf	88.85	3	Vertical	160	1.75	-	28.46	2.43	-
AV	2.4616G	107.12	Inf	-Inf	76.24	3	Vertical	160	1.75	-	28.45	2.43	-
PK	2.49G	66.35	74.00	-7.65	35.35	3	Vertical	160	1.75	-	28.56	2.44	-
AV	2.4884G	53.85	54.00	-0.15	22.86	3	Vertical	160	1.75	-	28.55	2.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

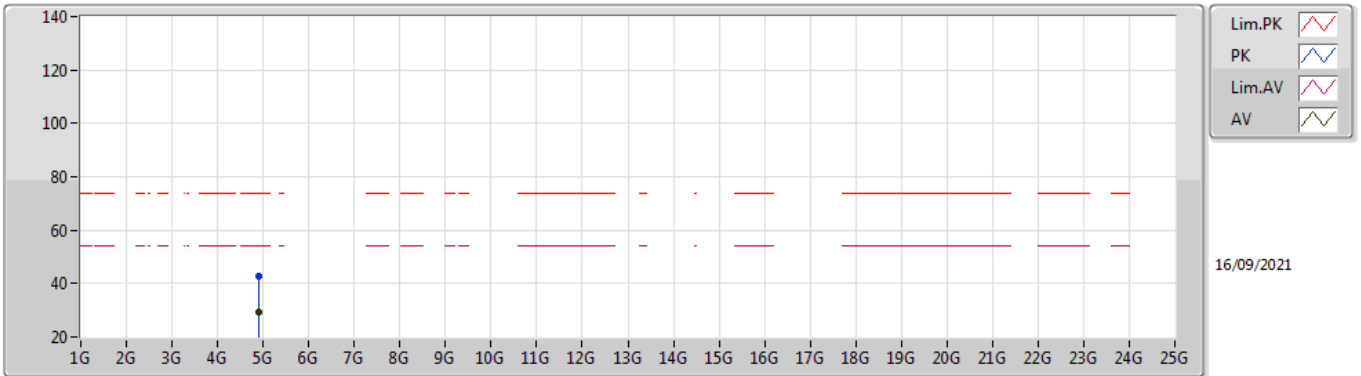


EUT_Y_4TX
Setting 78
02-B-B-4

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	2.3756G	60.26	74.00	-13.74	29.50	3	Horizontal	176.5	1.76	-	28.35	2.41	-
AV	2.3868G	47.45	54.00	-6.55	16.67	3	Horizontal	176.5	1.76	-	28.37	2.41	-
PK	2.45G	113.32	Inf	-Inf	82.50	3	Horizontal	176.5	1.76	-	28.40	2.42	-
AV	2.448G	99.92	Inf	-Inf	69.10	3	Horizontal	176.5	1.76	-	28.40	2.42	-
PK	2.484G	60.98	74.00	-13.02	30.00	3	Horizontal	176.5	1.76	-	28.54	2.44	-
AV	2.484G	48.34	54.00	-5.66	17.36	3	Horizontal	176.5	1.76	-	28.54	2.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

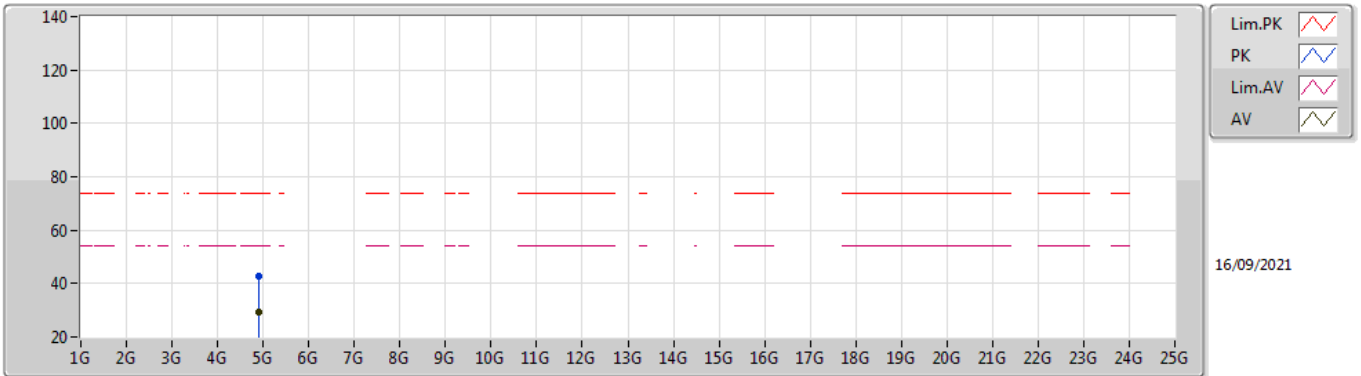


EUT Y_4TX
Setting 78
02-B-B-4

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	4.90428G	42.96	74.00	-31.04	37.42	3	Vertical	35	2.35	-	33.03	4.70	32.19
AV	4.90432G	29.44	54.00	-24.56	23.90	3	Vertical	35	2.35	-	33.03	4.70	32.19

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX



EUT Y_4TX
Setting 78
02-B-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	4.9134G	42.71	74.00	-31.29	37.12	3	Horizontal	353	2.67	-	33.08	4.70	32.19
AV	4.9064G	29.34	54.00	-24.66	23.79	3	Horizontal	353	2.67	-	33.04	4.70	32.19



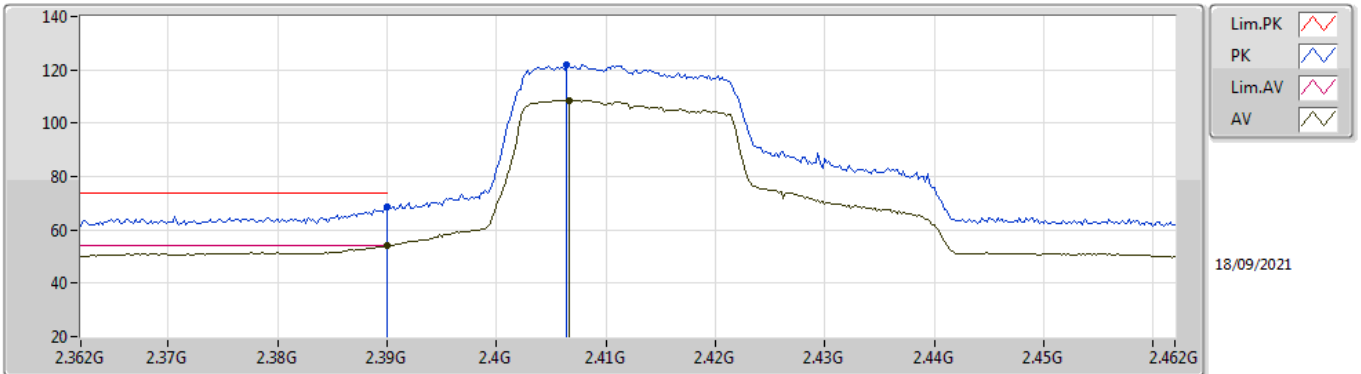
For 4T2S <Beamforming Mode>

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	Pass	AV	2.39G	53.92	54.00	-0.08	3	Vertical	171	2.06	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

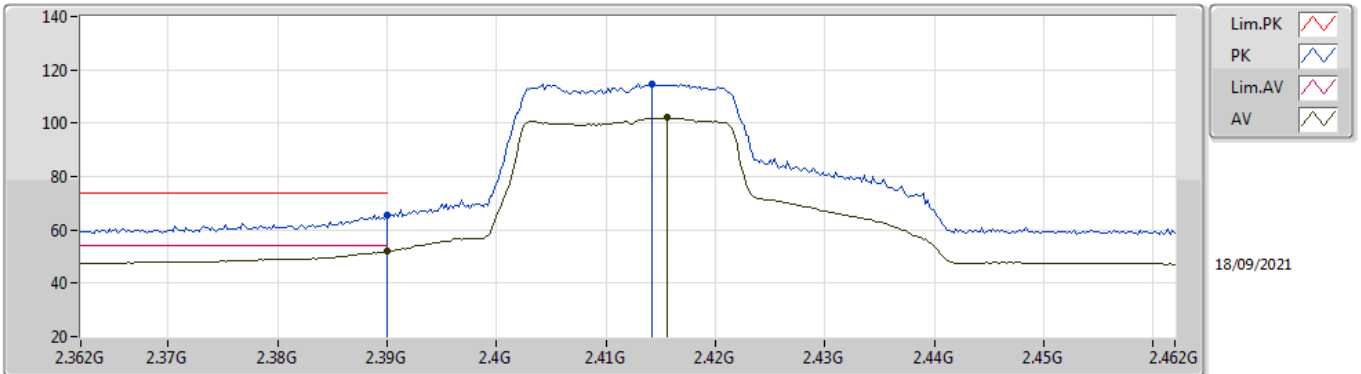


EUT Y_4TX
Setting 90
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.39G	68.57	74.00	-5.43	37.78	3	Vertical	171	2.06	-	28.38	2.41	-	
AV	2.39G	53.92	54.00	-0.08	23.13	3	Vertical	171	2.06	-	28.38	2.41	-	
PK	2.4064G	122.11	Inf	-Inf	91.31	3	Vertical	171	2.06	-	28.40	2.40	-	
AV	2.4066G	108.69	Inf	-Inf	77.89	3	Vertical	171	2.06	-	28.40	2.40	-	

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

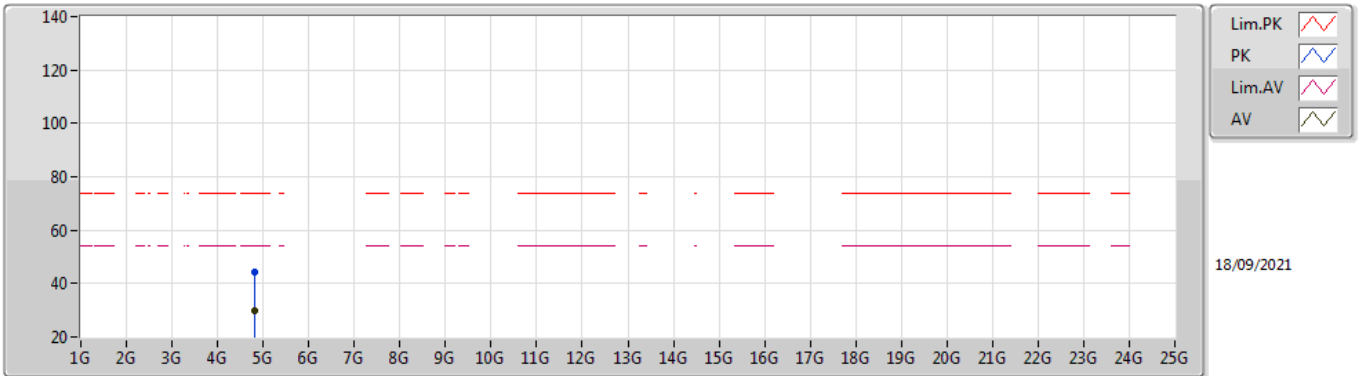


EUT_Y_4TX
Setting 90
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.74	74.00	-8.26	34.95	3	Horizontal	110	2.96	-	28.38	2.41	-
AV	2.39G	51.84	54.00	-2.16	21.05	3	Horizontal	110	2.96	-	28.38	2.41	-
PK	2.4142G	114.87	Inf	-Inf	84.06	3	Horizontal	110	2.96	-	28.40	2.41	-
AV	2.4156G	102.09	Inf	-Inf	71.28	3	Horizontal	110	2.96	-	28.40	2.41	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

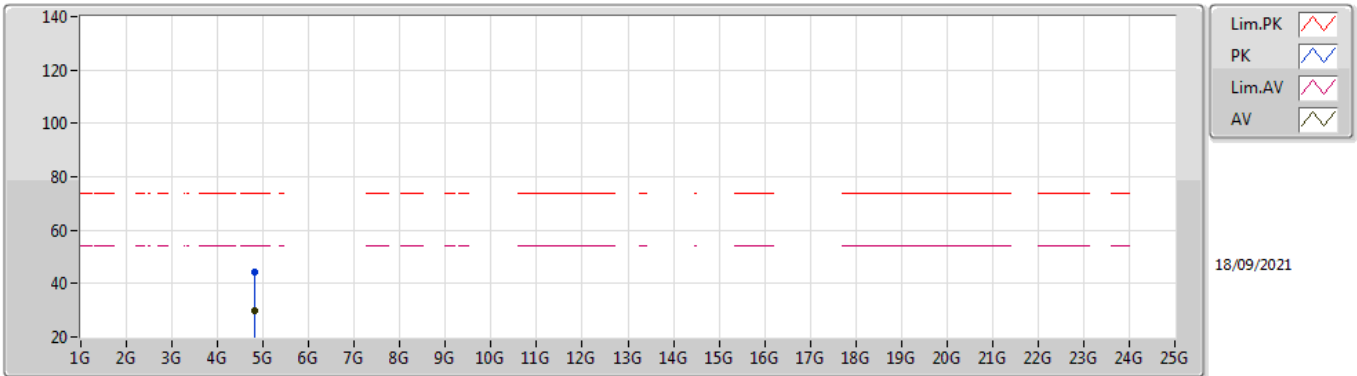


EUT Y_4TX
Setting 90
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82242G	44.19	74.00	-29.81	38.92	3	Vertical	356	1.18	-	32.79	4.70	32.22
AV	4.823G	29.76	54.00	-24.24	24.49	3	Vertical	356	1.18	-	32.79	4.70	32.22

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2412MHz_TX

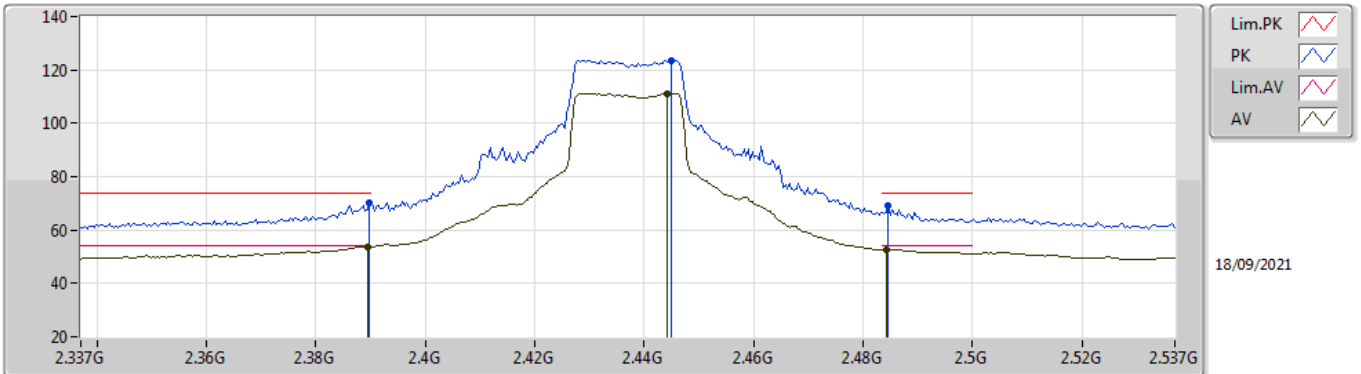


EUT Y_4TX
Setting 90
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82114G	44.29	74.00	-29.71	39.03	3	Horizontal	88	1.71	-	32.78	4.70	32.22
AV	4.82386G	29.77	54.00	-24.23	24.49	3	Horizontal	88	1.71	-	32.80	4.70	32.22

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

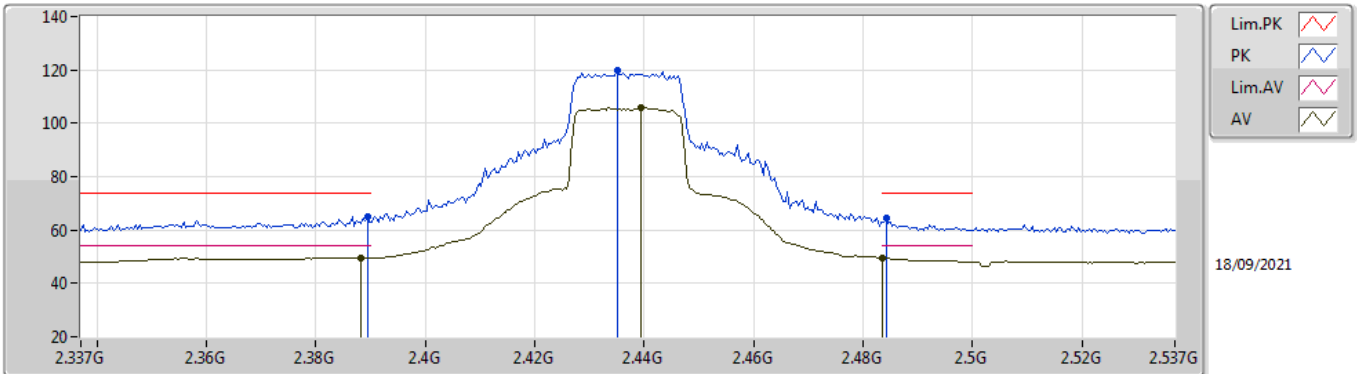


EUT_Y_4TX
Setting 101
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	70.16	74.00	-3.84	39.37	3	Vertical	329	1.99	-	28.38	2.41	-
AV	2.3894G	53.81	54.00	-0.19	23.02	3	Vertical	329	1.99	-	28.38	2.41	-
PK	2.445G	123.69	Inf	-Inf	92.87	3	Vertical	329	1.99	-	28.40	2.42	-
AV	2.4442G	111.23	Inf	-Inf	80.41	3	Vertical	329	1.99	-	28.40	2.42	-
PK	2.4846G	69.04	74.00	-4.96	38.06	3	Vertical	329	1.99	-	28.54	2.44	-
AV	2.4842G	52.60	54.00	-1.40	21.62	3	Vertical	329	1.99	-	28.54	2.44	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

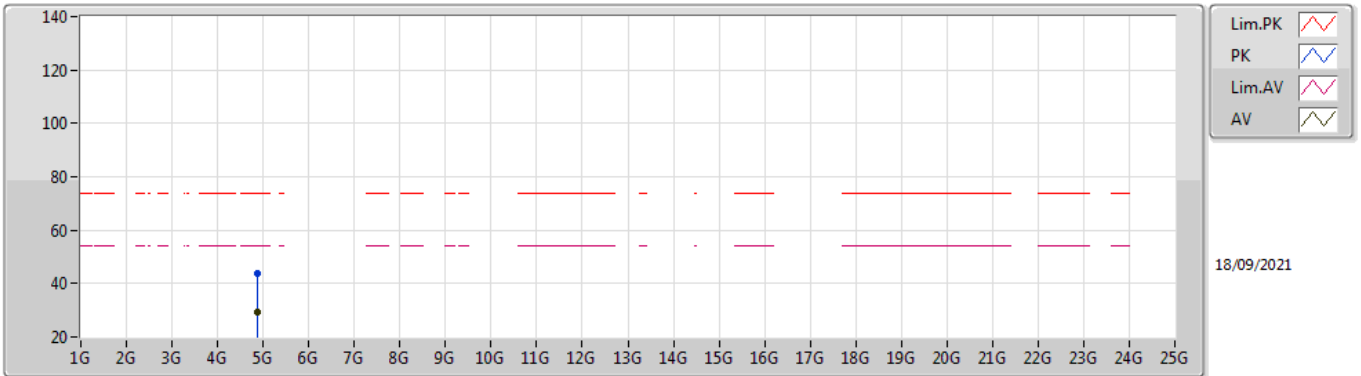


EUT_Y_4TX
Setting 101
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	65.14	74.00	-8.86	34.35	3	Horizontal	307	2.10	-	28.38	2.41	-
AV	2.3882G	49.62	54.00	-4.38	18.83	3	Horizontal	307	2.10	-	28.38	2.41	-
PK	2.435G	120.00	Inf	-Inf	89.18	3	Horizontal	307	2.10	-	28.40	2.42	-
AV	2.4394G	105.84	Inf	-Inf	75.02	3	Horizontal	307	2.10	-	28.40	2.42	-
PK	2.4842G	64.29	74.00	-9.71	33.31	3	Horizontal	307	2.10	-	28.54	2.44	-
AV	2.4835G	49.45	54.00	-4.55	18.48	3	Horizontal	307	2.10	-	28.53	2.44	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

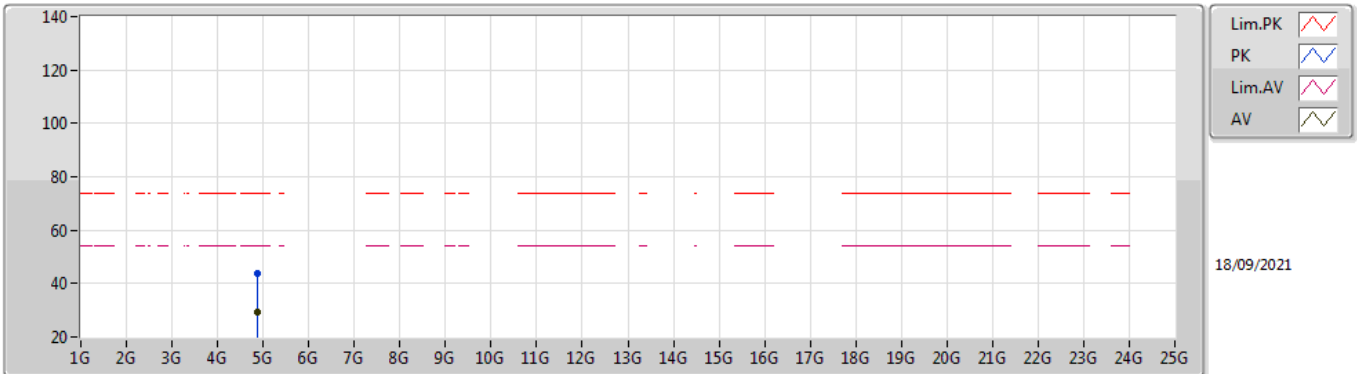


EUT Y_4TX
Setting 101
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87396G	43.85	74.00	-30.15	38.41	3	Vertical	219	1.47	-	32.95	4.70	32.21	
AV	4.87394G	29.51	54.00	-24.49	24.07	3	Vertical	219	1.47	-	32.95	4.70	32.21	

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2437MHz_TX

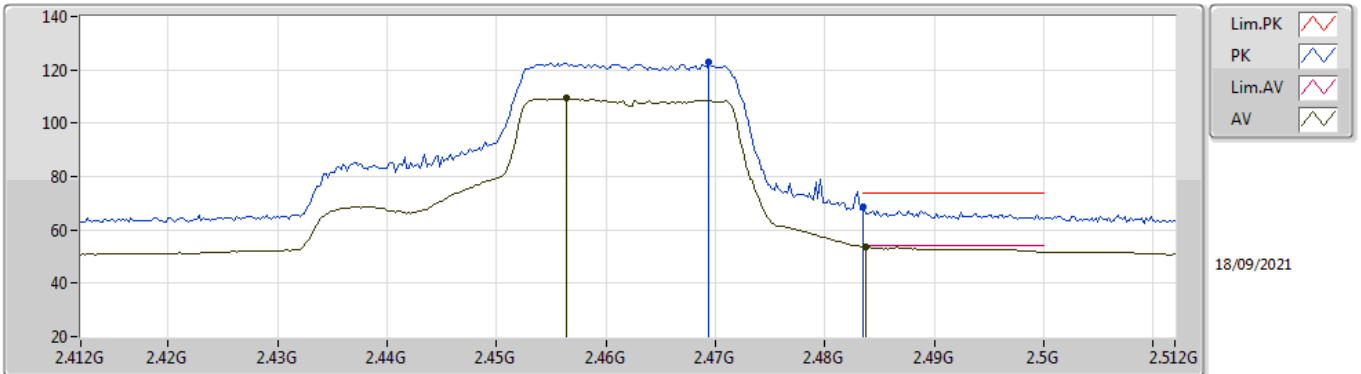


EUT Y_4TX
Setting 101
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8719G	43.97	74.00	-30.03	38.54	3	Horizontal	246	2.13	-	32.94	4.70	32.21
AV	4.87402G	29.47	54.00	-24.53	24.03	3	Horizontal	246	2.13	-	32.95	4.70	32.21

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

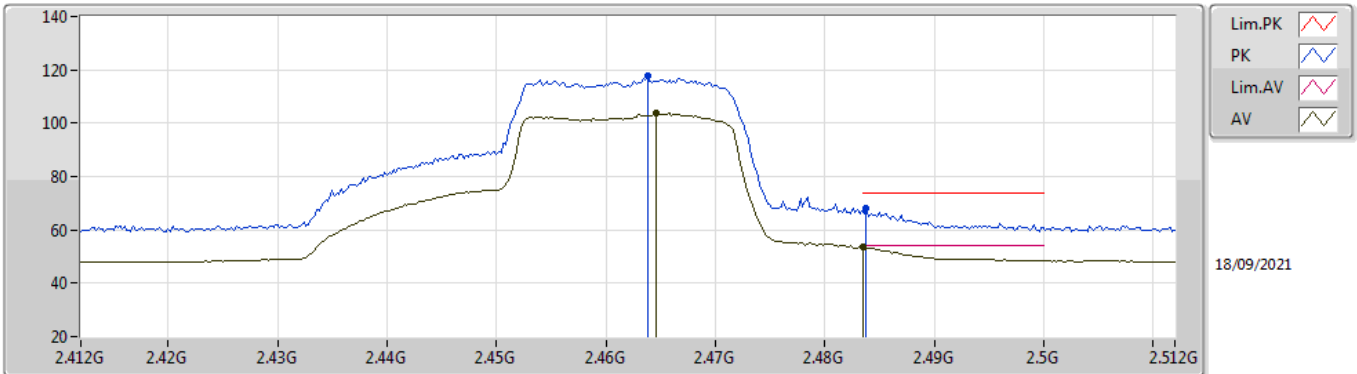


EUT Y_4TX
Setting 97
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4694G	122.72	Inf	-Inf	91.81	3	Vertical	321	1.95	-	28.48	2.43	-
AV	2.4564G	109.26	Inf	-Inf	78.40	3	Vertical	321	1.95	-	28.43	2.43	-
PK	2.4835G	68.62	74.00	-5.38	37.65	3	Vertical	321	1.95	-	28.53	2.44	-
AV	2.4838G	53.65	54.00	-0.35	22.67	3	Vertical	321	1.95	-	28.54	2.44	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

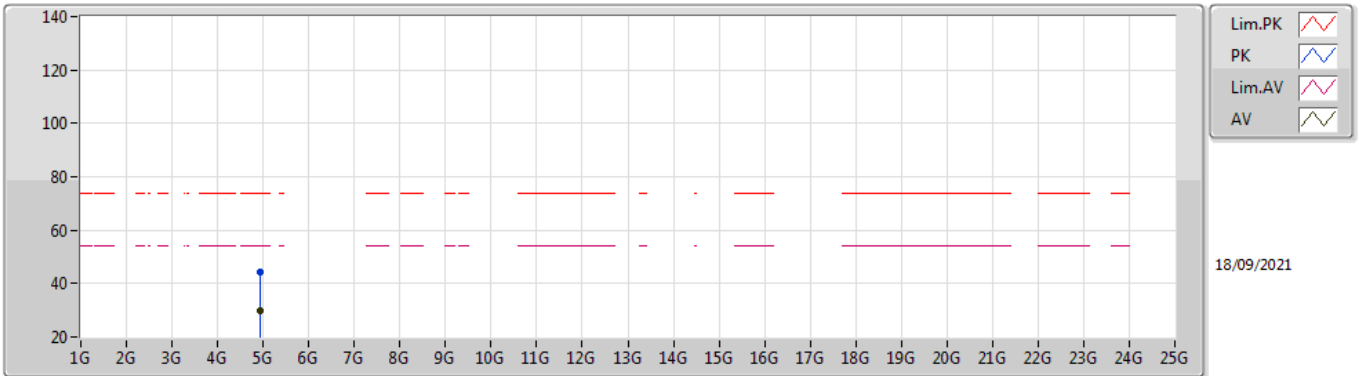


EUT Y_4TX
Setting 97
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4638G	117.74	Inf	-Inf	86.85	3	Horizontal	301	2.69	-	28.46	2.43	-
AV	2.4646G	103.65	Inf	-Inf	72.76	3	Horizontal	301	2.69	-	28.46	2.43	-
PK	2.4838G	68.20	74.00	-5.80	37.22	3	Horizontal	301	2.69	-	28.54	2.44	-
AV	2.4835G	53.53	54.00	-0.47	22.56	3	Horizontal	301	2.69	-	28.53	2.44	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

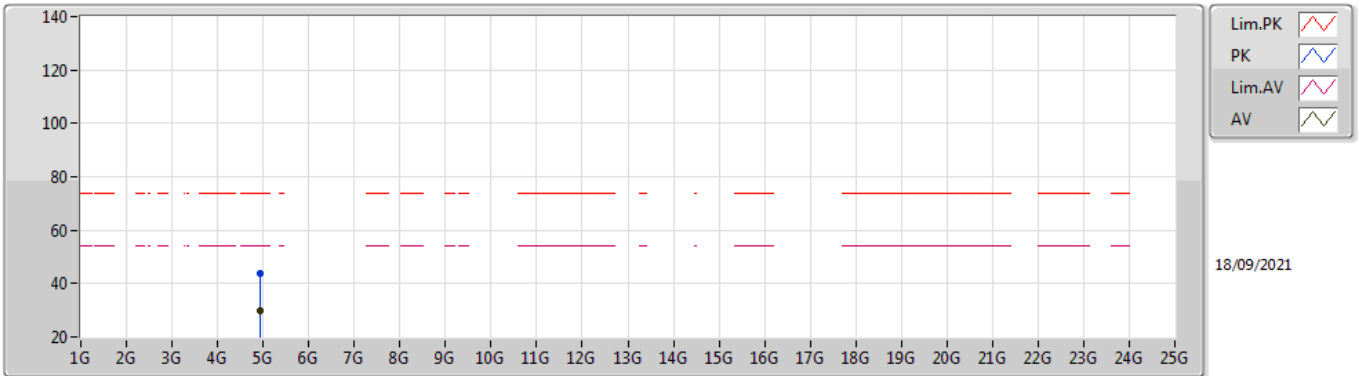


EUT Y_4TX
Setting 97
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92244G	44.27	74.00	-29.73	38.63	3	Vertical	346	2.75	-	33.13	4.70	32.19
AV	4.92884G	29.77	54.00	-24.23	24.09	3	Vertical	346	2.75	-	33.17	4.70	32.19

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

2462MHz_TX

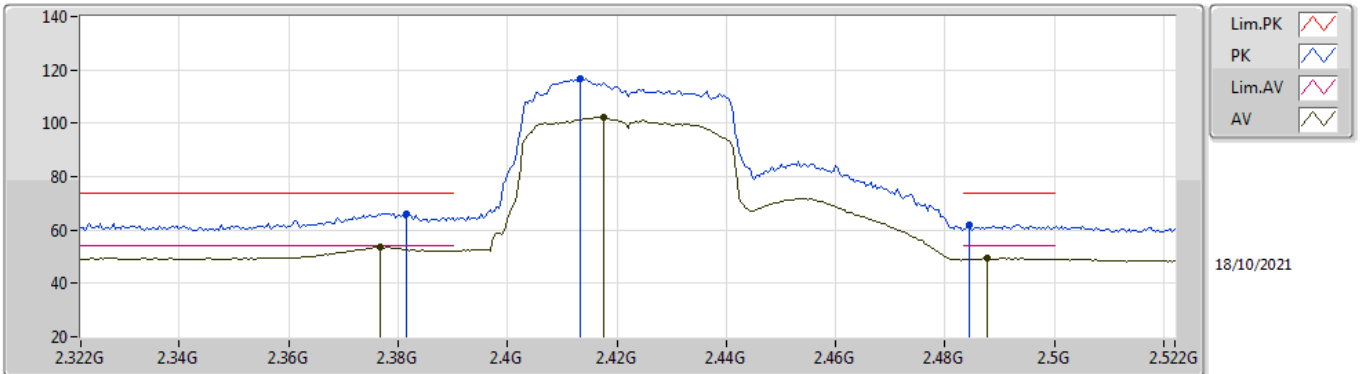


EUT Y_4TX
Setting 97
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	4.92702G	29.71	54.00	-24.29	24.04	3	Horizontal	138	1.12	-	33.16	4.70	32.19
PK	4.9282G	44.00	74.00	-30.00	38.32	3	Horizontal	138	1.12	-	33.17	4.70	32.19

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

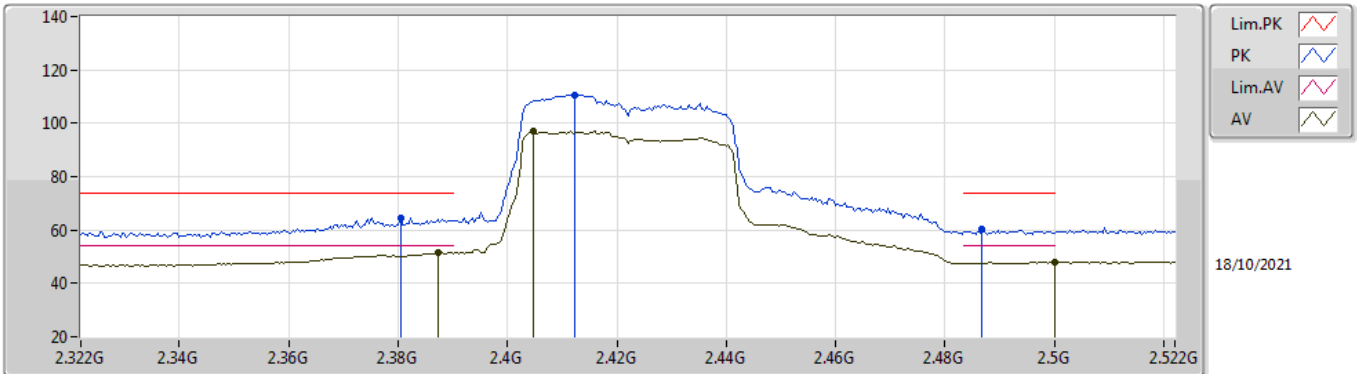


EUT_Y_4TX
Setting 79
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3816G	66.20	74.00	-7.80	35.43	3	Vertical	173	2.04	-	28.36	2.41	-
AV	2.3768G	53.61	54.00	-0.39	22.85	3	Vertical	173	2.04	-	28.35	2.41	-
PK	2.4132G	116.58	Inf	-Inf	85.77	3	Vertical	173	2.04	-	28.40	2.41	-
AV	2.4176G	102.46	Inf	-Inf	71.65	3	Vertical	173	2.04	-	28.40	2.41	-
PK	2.4844G	62.13	74.00	-11.87	31.15	3	Vertical	173	2.04	-	28.54	2.44	-
AV	2.4876G	49.42	54.00	-4.58	18.43	3	Vertical	173	2.04	-	28.55	2.44	-

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

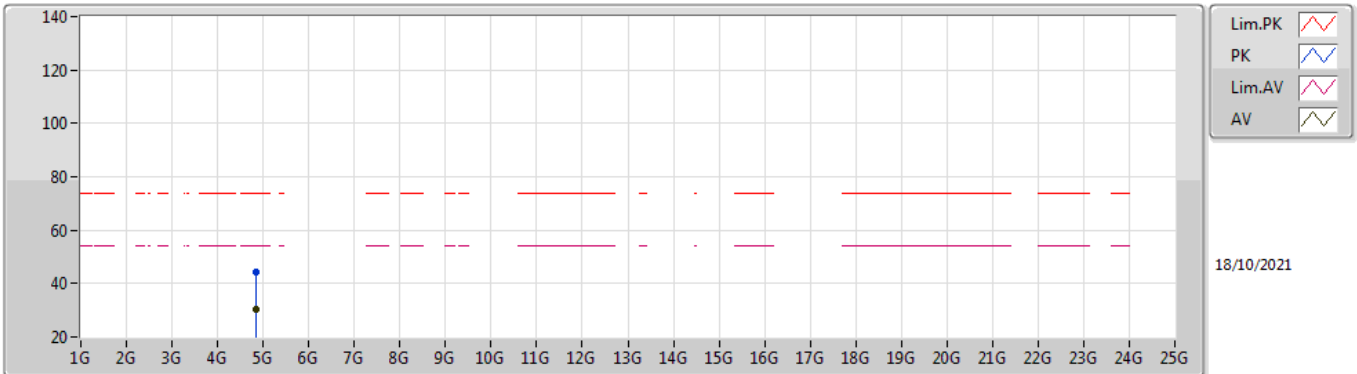


EUT Y_4TX
Setting 79
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3804G	64.52	74.00	-9.48	33.75	3	Horizontal	140	2.98	-	28.36	2.41	-
AV	2.3872G	51.51	54.00	-2.49	20.73	3	Horizontal	140	2.98	-	28.37	2.41	-
PK	2.4124G	110.46	Inf	-Inf	79.65	3	Horizontal	140	2.98	-	28.40	2.41	-
AV	2.4048G	96.86	Inf	-Inf	66.06	3	Horizontal	140	2.98	-	28.40	2.40	-
PK	2.4868G	60.44	74.00	-13.56	29.45	3	Horizontal	140	2.98	-	28.55	2.44	-
AV	2.5G	47.87	54.00	-6.13	16.82	3	Horizontal	140	2.98	-	28.60	2.45	-

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

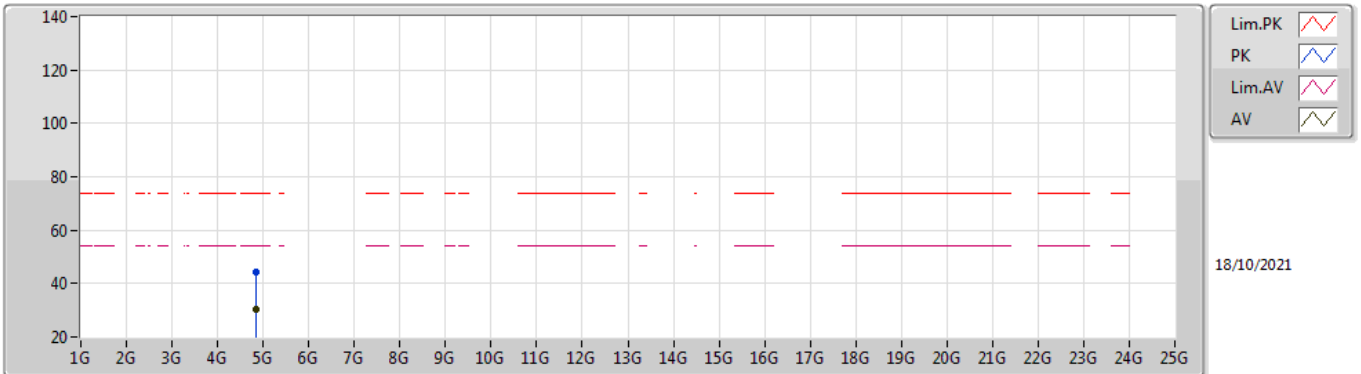


EUT Y_4TX
Setting 79
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84468G	44.43	74.00	-29.57	39.07	3	Vertical	140	2.39	-	32.88	4.70	32.22
AV	4.8391G	30.16	54.00	-23.84	24.82	3	Vertical	140	2.39	-	32.86	4.70	32.22

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2422MHz_TX

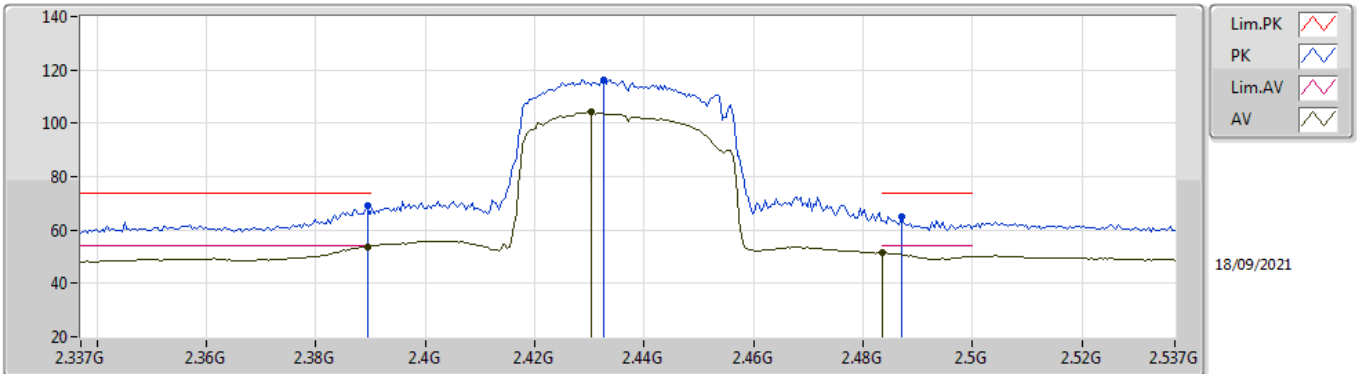


EUT Y_4TX
Setting 79
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84142G	44.13	74.00	-29.87	38.78	3	Horizontal	273	1.41	-	32.87	4.70	32.22
AV	4.8439G	30.11	54.00	-23.89	24.75	3	Horizontal	273	1.41	-	32.88	4.70	32.22

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

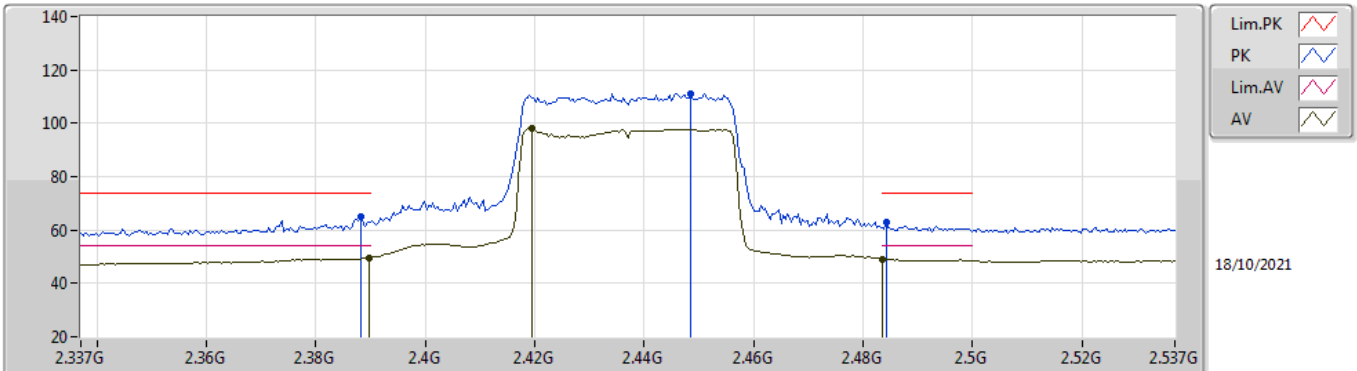


EUT_Y_4TX
Setting 82
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	69.27	74.00	-4.73	38.48	3	Vertical	58	1.31	-	28.38	2.41	-
AV	2.3894G	53.86	54.00	-0.14	23.07	3	Vertical	58	1.31	-	28.38	2.41	-
PK	2.4326G	116.02	Inf	-Inf	85.20	3	Vertical	58	1.31	-	28.40	2.42	-
AV	2.4302G	104.23	Inf	-Inf	73.41	3	Vertical	58	1.31	-	28.40	2.42	-
PK	2.487G	64.93	74.00	-9.07	33.94	3	Vertical	58	1.31	-	28.55	2.44	-
AV	2.4835G	51.41	54.00	-2.59	20.44	3	Vertical	58	1.31	-	28.53	2.44	-

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

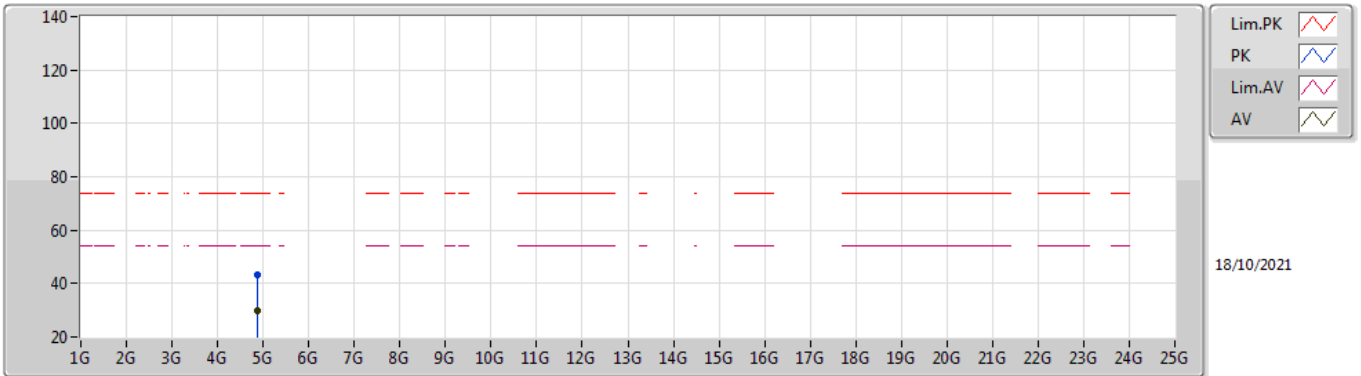


EUT_Y_4TX
Setting 82
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	64.80	74.00	-9.20	34.01	3	Horizontal	76	2.93	-	28.38	2.41	-
AV	2.3898G	49.54	54.00	-4.46	18.75	3	Horizontal	76	2.93	-	28.38	2.41	-
PK	2.4486G	111.20	Inf	-Inf	80.38	3	Horizontal	76	2.93	-	28.40	2.42	-
AV	2.4194G	98.01	Inf	-Inf	67.20	3	Horizontal	76	2.93	-	28.40	2.41	-
PK	2.4842G	62.91	74.00	-11.09	31.93	3	Horizontal	76	2.93	-	28.54	2.44	-
AV	2.4835G	49.17	54.00	-4.83	18.20	3	Horizontal	76	2.93	-	28.53	2.44	-

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

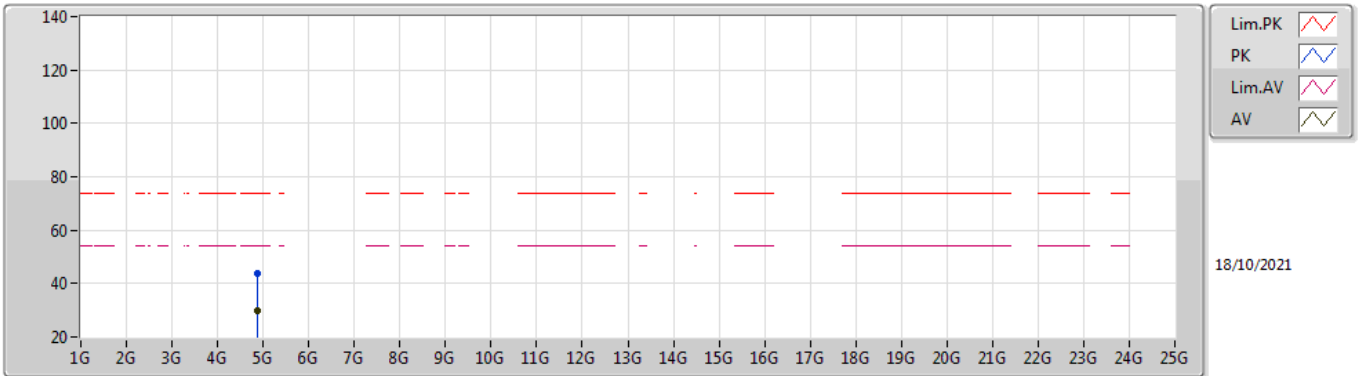


EUT Y_4TX
Setting 82
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.8724G	43.22	74.00	-30.78	37.79	3	Vertical	95	2.48	-	32.94	4.70	32.21	
AV	4.8759G	29.98	54.00	-24.02	24.53	3	Vertical	95	2.48	-	32.95	4.70	32.20	

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2437MHz_TX

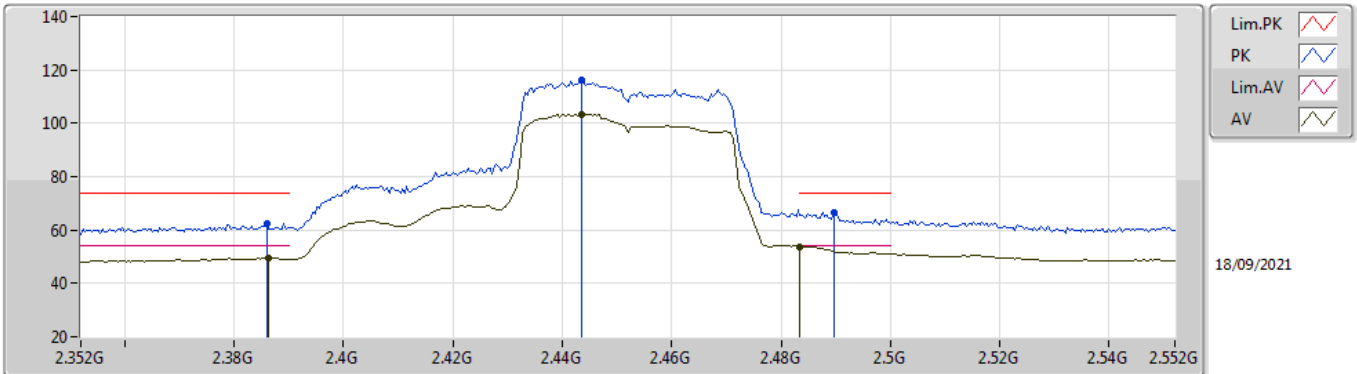


EUT Y_4TX
Setting 82
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87358G	43.81	74.00	-30.19	38.37	3	Horizontal	59	1.09	-	32.95	4.70	32.21
AV	4.87596G	29.82	54.00	-24.18	24.37	3	Horizontal	59	1.09	-	32.95	4.70	32.20

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX

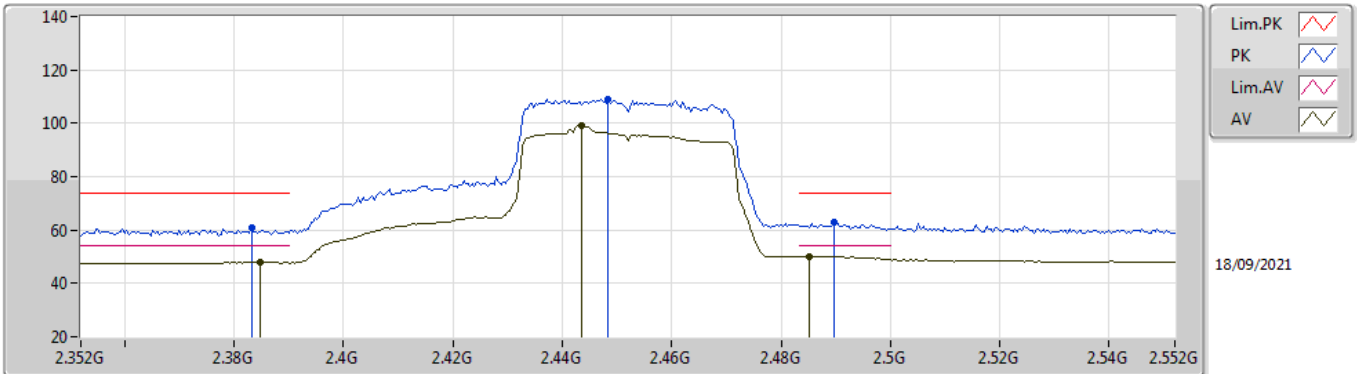


EUT_Y_4TX
Setting 80
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.386G	62.29	74.00	-11.71	31.51	3	Vertical	339	1.57	-	28.37	2.41	-
AV	2.3864G	49.36	54.00	-4.64	18.58	3	Vertical	339	1.57	-	28.37	2.41	-
PK	2.4436G	116.10	Inf	-Inf	85.28	3	Vertical	339	1.57	-	28.40	2.42	-
AV	2.4436G	103.49	Inf	-Inf	72.67	3	Vertical	339	1.57	-	28.40	2.42	-
PK	2.4896G	66.71	74.00	-7.29	35.71	3	Vertical	339	1.57	-	28.56	2.44	-
AV	2.4835G	53.79	54.00	-0.21	22.82	3	Vertical	339	1.57	-	28.53	2.44	-

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX

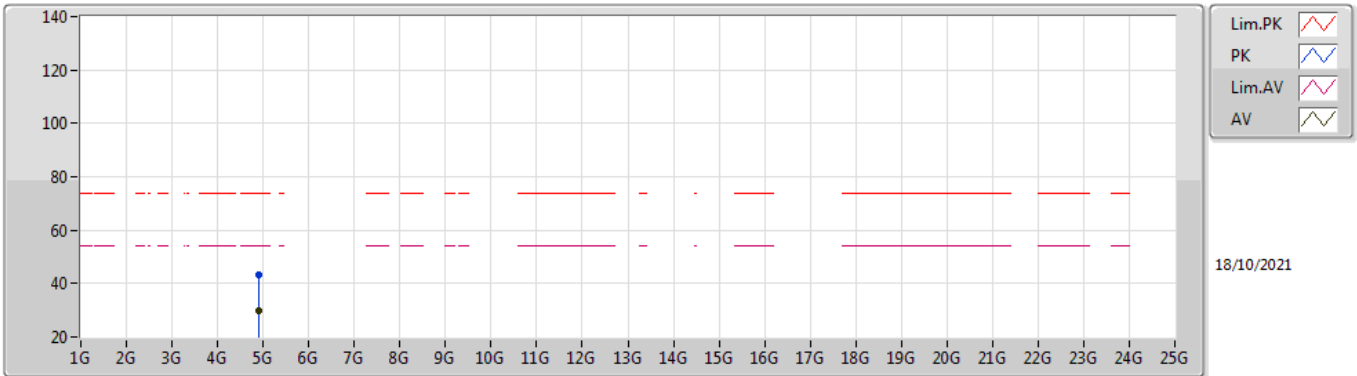


EUT_Y_4TX
Setting 80
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3832G	60.94	74.00	-13.06	30.16	3	Horizontal	297	1.80	-	28.37	2.41	-
AV	2.3848G	48.08	54.00	-5.92	17.30	3	Horizontal	297	1.80	-	28.37	2.41	-
PK	2.4484G	109.20	Inf	-Inf	78.38	3	Horizontal	297	1.80	-	28.40	2.42	-
AV	2.4436G	99.19	Inf	-Inf	68.37	3	Horizontal	297	1.80	-	28.40	2.42	-
PK	2.4896G	62.72	74.00	-11.28	31.72	3	Horizontal	297	1.80	-	28.56	2.44	-
AV	2.4852G	50.10	54.00	-3.90	19.12	3	Horizontal	297	1.80	-	28.54	2.44	-

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX

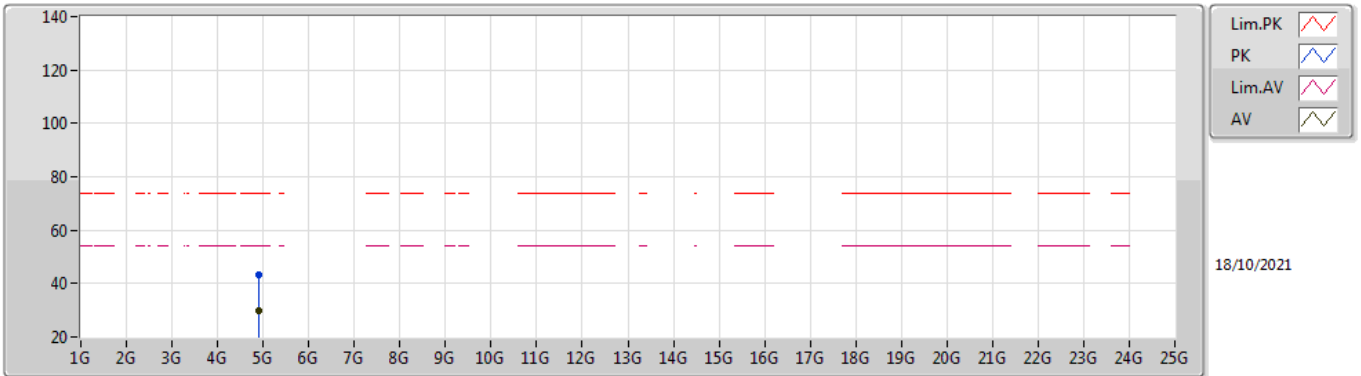


EUT Y_4TX
Setting 80
02-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.90684G	43.30	74.00	-30.70	37.75	3	Vertical	95	3.00	-	33.04	4.70	32.19	
AV	4.9027G	29.70	54.00	-24.30	24.18	3	Vertical	95	3.00	-	33.02	4.70	32.20	

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

2452MHz_TX



EUT Y_4TX
Setting 80
02-C-S-8

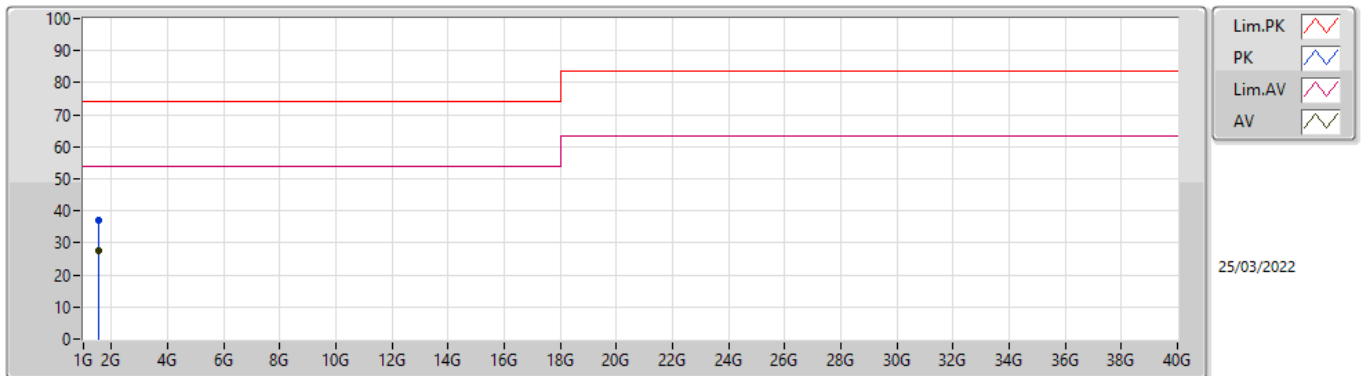
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90038G	43.32	74.00	-30.68	37.82	3	Horizontal	346	1.62	-	33.00	4.70	32.20
AV	4.90638G	29.76	54.00	-24.24	24.21	3	Horizontal	346	1.62	-	33.04	4.70	32.19



Summary

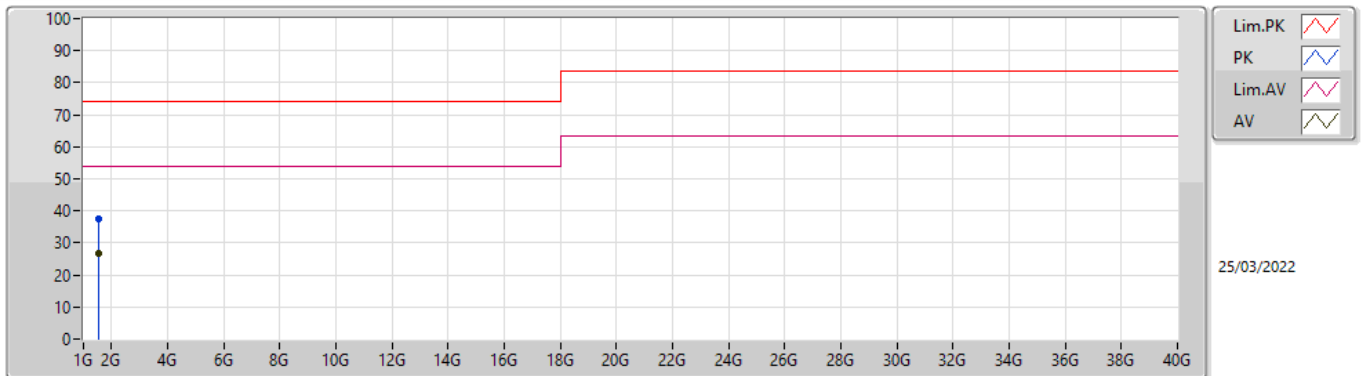
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.53635G	27.48	54.00	-26.52	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.53625G	37.07	74.00	-36.93	-5.36	3	Vertical	61	1.99	-	42.43	25.47	2.84	33.67
AV	1.53635G	27.48	54.00	-26.52	-5.36	3	Vertical	61	1.99	-	32.84	25.47	2.84	33.67

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	1.53628G	37.39	74.00	-36.61	-5.36	3	Horizontal	2	2.65	-	42.75	25.47	2.84	33.67
AV	1.53637G	26.81	54.00	-27.19	-5.36	3	Horizontal	2	2.65	-	32.17	25.47	2.84	33.67