



RADIO TEST REPORT

FCC ID : Z8H89FT0079
Equipment : XV2-23T Outdoor Wi-Fi 6 Access Point
Brand Name : Cambium Networks
Model Name : XV2-23T
Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL
60008, USA
Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 10, 2022, and testing was started from Jun. 10, 2022 and completed on Jul. 29, 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 Description5

1.1 Information.....5

1.2 Applicable Standards8

1.3 Testing Location Information9

1.4 Measurement Uncertainty9

2 Test Configuration of EUT10

2.1 Test Channel Mode10

2.2 The Worst Case Measurement Configuration12

2.3 EUT Operation during Test14

2.4 Accessories14

2.5 Support Equipment.....14

2.6 Test Setup Diagram15

3 Transmitter Test Result18

3.1 AC Power-line Conducted Emissions18

3.2 DTS Bandwidth.....20

3.3 Maximum Conducted Output Power21

3.4 Power Spectral Density24

3.5 Emissions in Non-restricted Frequency Bands26

3.6 Emissions in Restricted Frequency Bands.....27

4 Test Equipment and Calibration Data31

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 Photos

Photographs of EUT v01



History of this test report

Report No.	Version	Description	Issued Date
FR261023AA	01	Initial issue of report	Sep. 13, 2022
FR261023AA	02	Adding the EUT supports functions on section 1.1.5.	Sep. 20, 2022



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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



1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz					
1	1	-	Gemtek	WRTQ-370AX	Embedded	MHF	Note1
2	2	-	Gemtek	WRTQ-370AX	Embedded	MHF	
3	-	1	Gemtek	WRTQ-370AX	Embedded	MHF	
4	-	2	Gemtek	WRTQ-370AX	Embedded	MHF	

Note1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3
1	6.71	-	-	-	-
2	7.34	-	-	-	-
3	-	8.19	8.19	8.05	8.40
4	-	11.07	11.07	11.43	10.98

Note2: The above information was declared by manufacturer.

Note3: The EUT doesn't enable the DFS band at this time.



Note4: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

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

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

$$G1 = 10 ; G2 = 10 ;$$

$$2.4G \ G1 = 6.71 \text{dBi} ; G2 = 7.34 \text{dBi} ; DG = 10.04 \text{dBi}$$

$$5G \ \text{Band1} \ G1 = 8.19 \text{dBi} ; G2 = 11.07 \text{dBi} ; DG = 12.76 \text{dBi}$$

$$5G \ \text{Band2} \ G1 = 8.19 \text{dBi} ; G2 = 11.07 \text{dBi} ; DG = 12.76 \text{dBi}$$

$$5G \ \text{Band3} \ G1 = 8.05 \text{dBi} ; G2 = 11.43 \text{dBi} ; DG = 12.91 \text{dBi}$$

$$5G \ \text{Band4} \ G1 = 8.40 \text{dBi} ; G2 = 10.98 \text{dBi} ; DG = 12.80 \text{dBi}$$

Note5: For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac/ax (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.591	2.28	690u	3k
802.11g	0.942	0.26	1.98m	1k
802.11ax HEW20	0.924	0.34	5.448m	300
802.11ax HEW40	0.93	0.32	5.445m	300

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	<input checked="" type="checkbox"/> With beamforming	<input type="checkbox"/> Without beamforming	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz.	
Function	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/> Point-to-point		
Test Software Version	QSPR V5.0-00199			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT supports functions

Function
AP
Bridge
Mesh

Note 1: After evaluating, AP Mode was selected to test and record in the report.

Note 2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

- ◆ FCC KDB 558074 D01 v05r02
- ◆ FCC KDB 662911 D01 v02r01
- ◆ FCC KDB 414788 D01 v01r01



1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.6-23.9 / 58-69	Jun. 27, 2022~ Jul. 20, 2022
Radiated <Below 1GHz>	03CH05-CB	Simmon Cheng	25.5~27 / 65~68	Jul. 29, 2022
Radiated <Above 1GHz>	03CH02-CB	Simmon Cheng	24.5-25.6 / 56-59	Jun. 16, 2022~ Jun. 17, 2022
AC Conduction	CO01-CB	Dean Chang	23~24 / 52~53	Jun. 17, 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)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-Beamforming Mode>

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23.5
2417MHz	23.5
2437MHz	25.5
2457MHz	23
2462MHz	23.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	20.5
2417MHz	22.5
2437MHz	25.5
2457MHz	23
2462MHz	22.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	21
2417MHz	23
2437MHz	25.5
2457MHz	23
2462MHz	22.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	15.5
2427MHz	16
2437MHz	20
2452MHz	20



<Beamforming Mode>

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	21
2417MHz	23
2437MHz	23.5
2457MHz	23
2462MHz	22.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	15.5
2427MHz	16
2437MHz	20
2452MHz	20

Note1: 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.
Note2: The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT in Y axis
2	EUT in Z axis
3	EUT in X axis
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA261023 for Co-location RF Exposure Evaluation.	

Note: The EUT was powered by PoE, and the PoE was for measurement only, it would not be marketed.

Equipment	Brand Name	Model Name	FCC ID
PoE	Cambium	NET-P15-56IN	N/A



2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Sealing Collar*1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Cambium	NET-P15-56IN	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	LAN NB	DELL	E6430	N/A

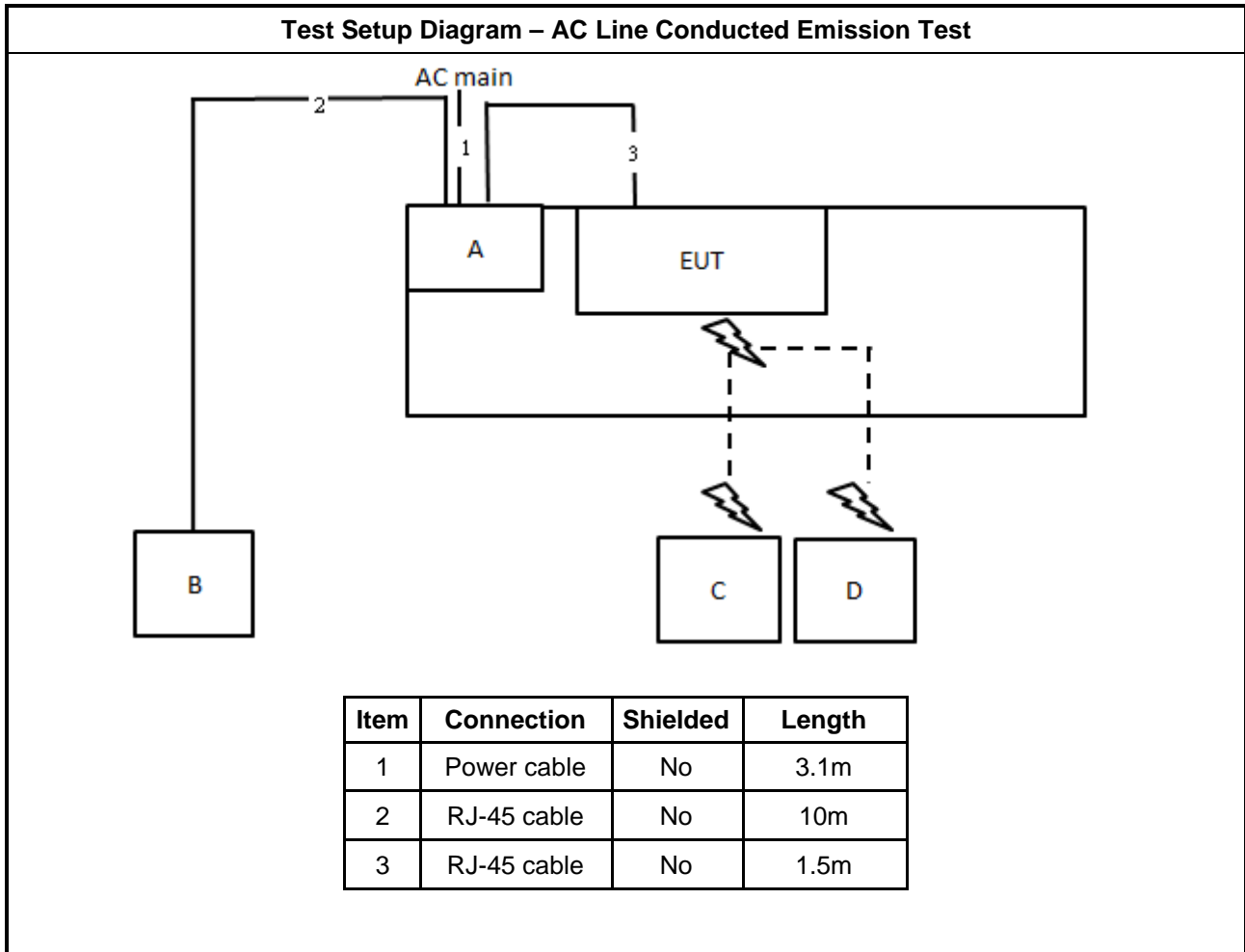
For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E4300	N/A
B	2.4G NB	DELL	E4300	N/A
C	5G NB	DELL	E4300	N/A
D	PoE	Cambium	NET-P15-56IN	N/A

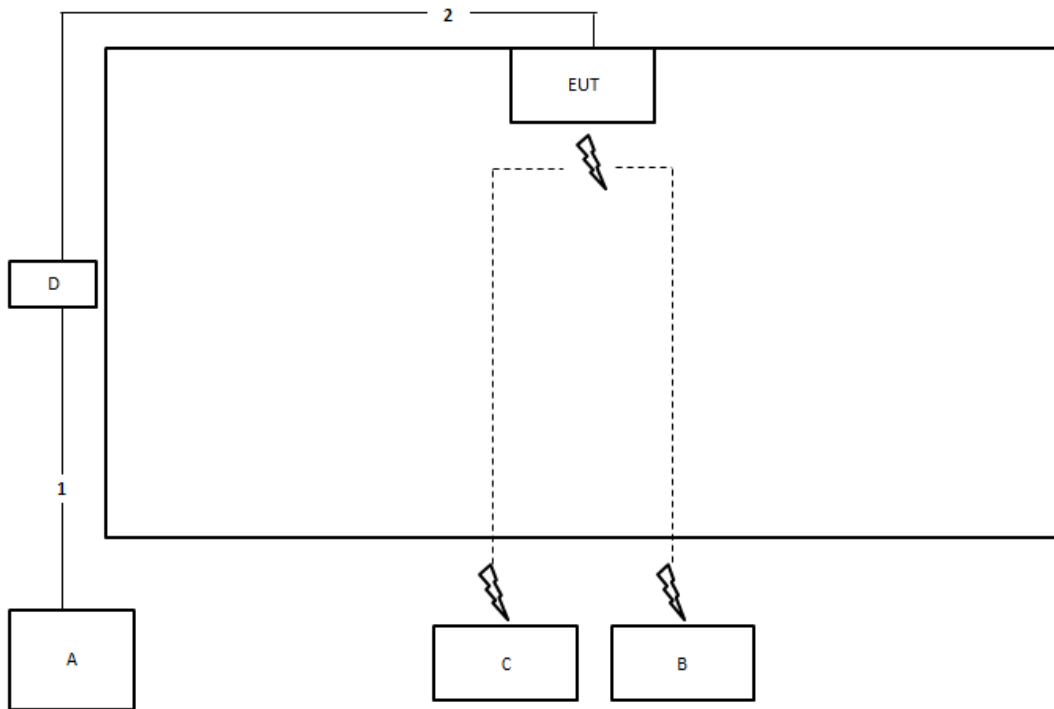
For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	Cambium	NET-P15-56IN	N/A

2.6 Test Setup Diagram

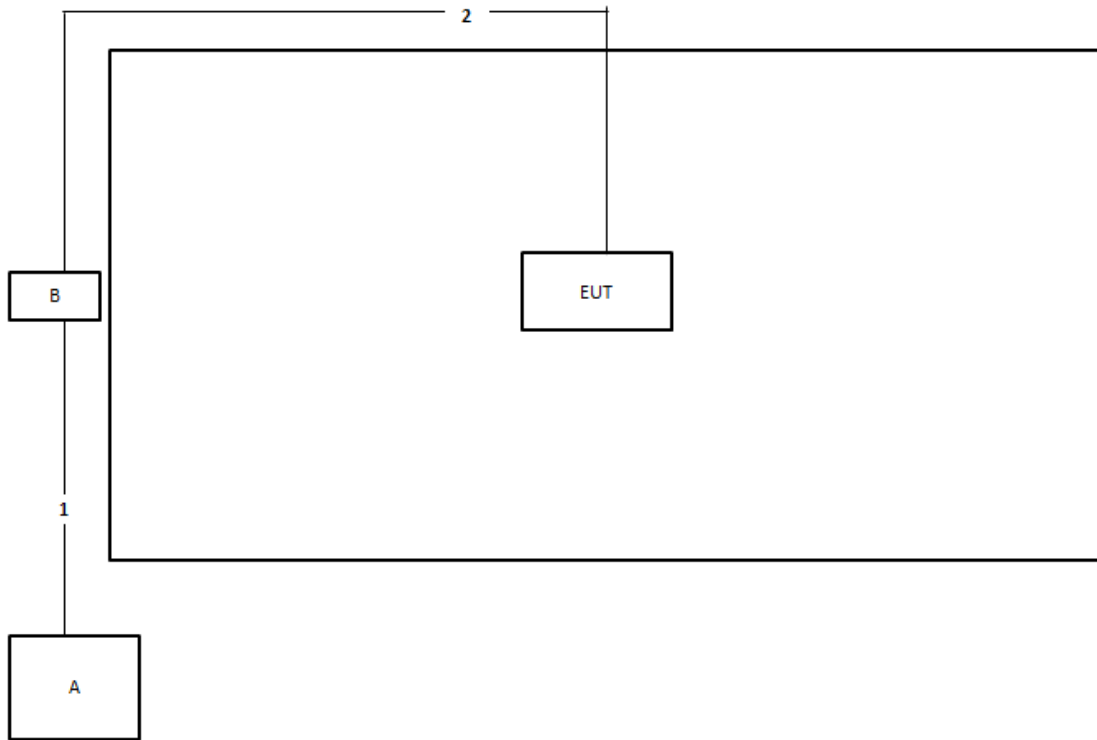


Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

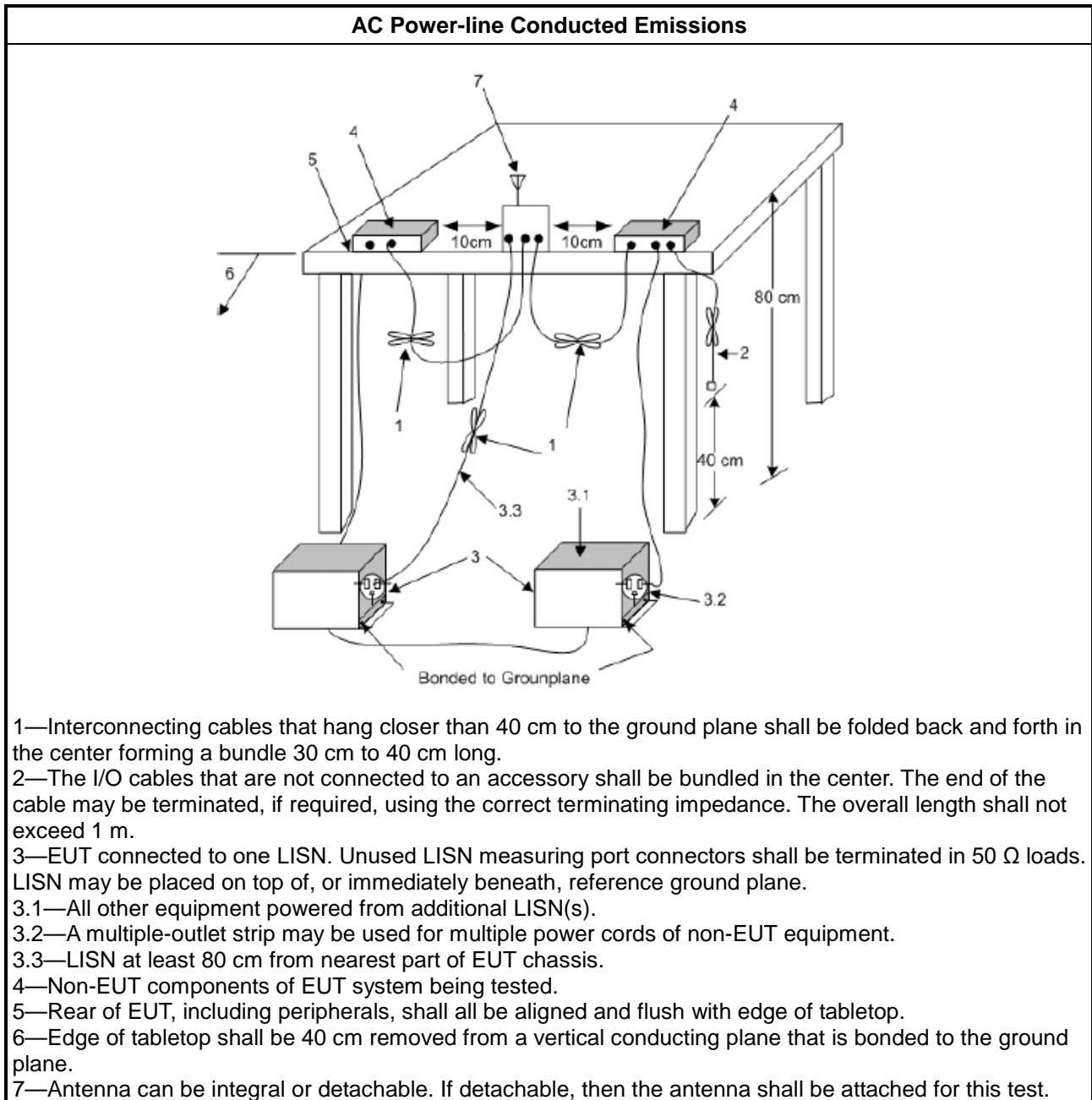
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> 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:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

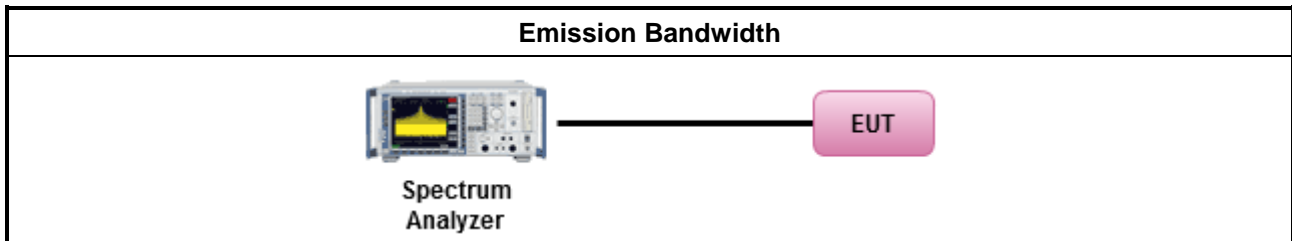
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> 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	
	<ul style="list-style-type: none">▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none">▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none">▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none">▪ Smart antenna system (SAS):
	<ul style="list-style-type: none">- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none">- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none">- 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

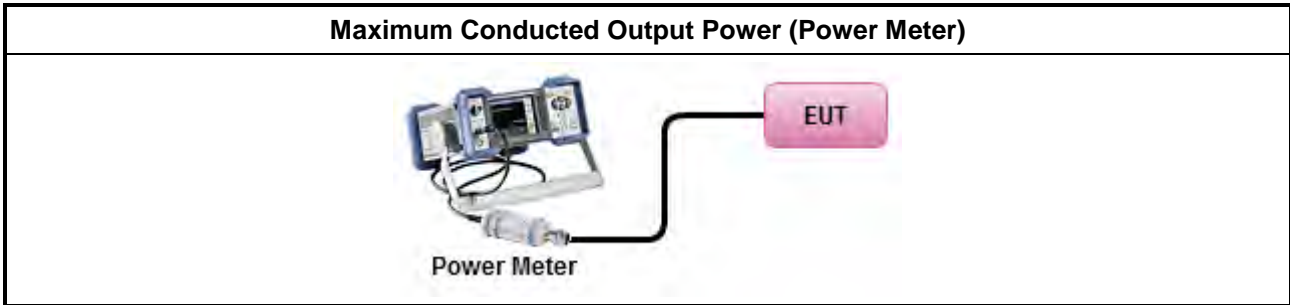
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
[duty cycle ≥ 98% or external video / power trigger]	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	<input type="checkbox"/> 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	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	<input type="checkbox"/> 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)	
	<input type="checkbox"/> 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).
	<input checked="" type="checkbox"/> 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).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
<ul style="list-style-type: none"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

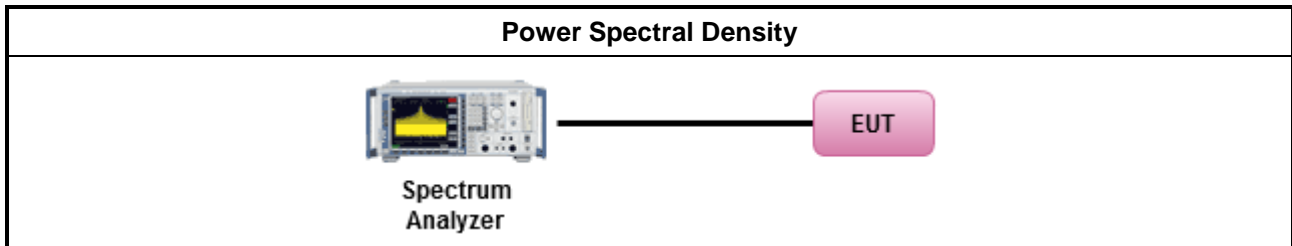
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method			
<ul style="list-style-type: none"> 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). 			
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.			
<ul style="list-style-type: none"> For conducted measurement. <ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <table border="1"> <tbody> <tr> <td> <input checked="" type="checkbox"/> 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. </td> </tr> <tr> <td> <input type="checkbox"/> 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, </td> </tr> <tr> <td> <input type="checkbox"/> 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. </td> </tr> </tbody> </table> 	<input checked="" type="checkbox"/> 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.	<input type="checkbox"/> 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,	<input type="checkbox"/> 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.
<input checked="" type="checkbox"/> 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.			
<input type="checkbox"/> 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,			
<input type="checkbox"/> 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.

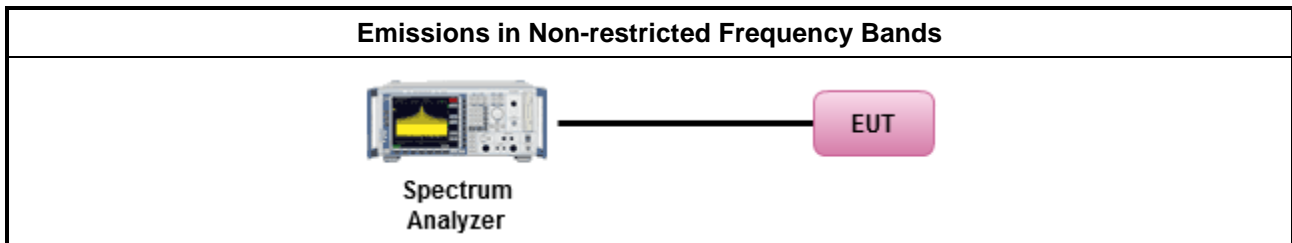
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> 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

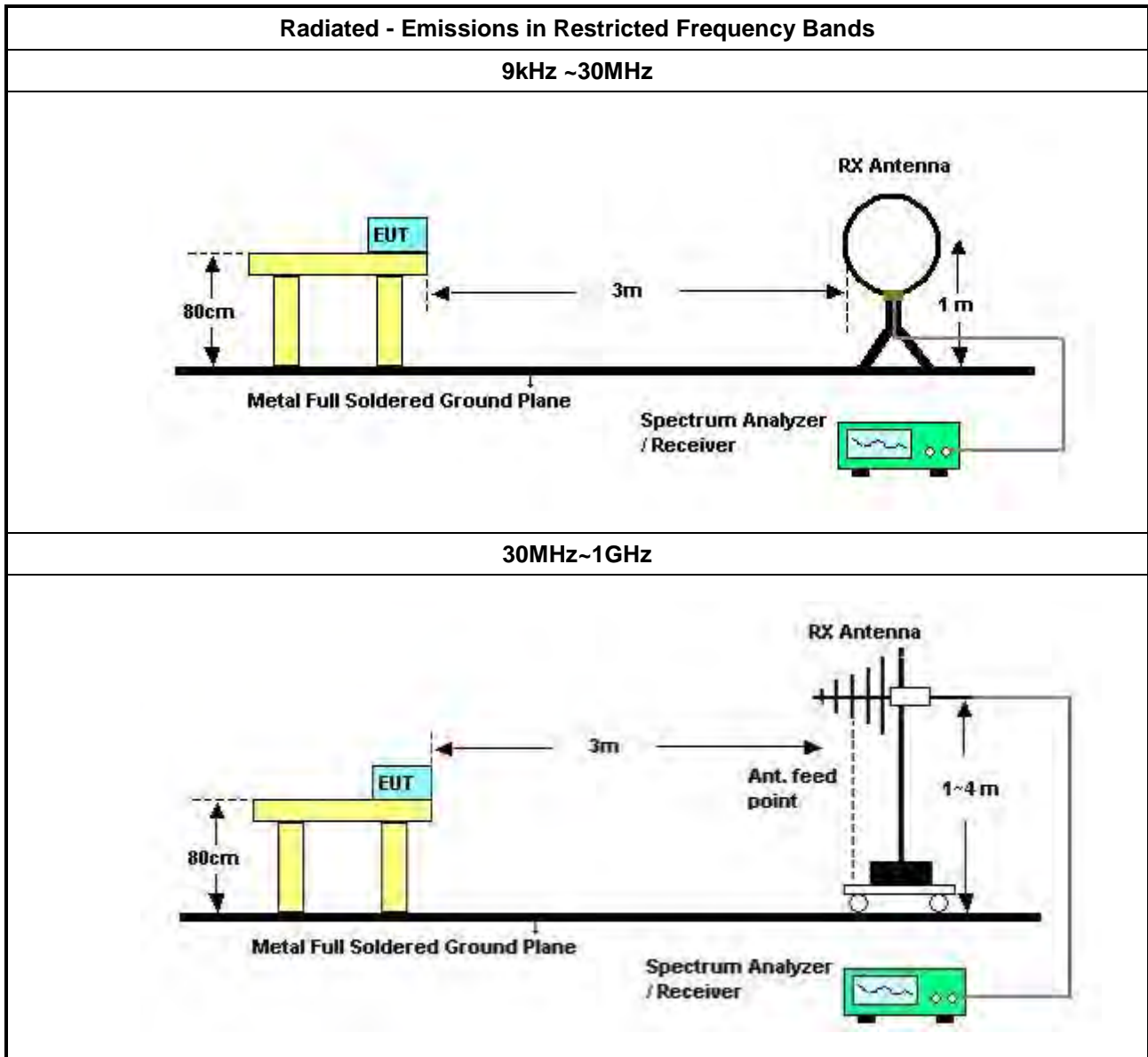
Refer a test equipment and calibration data table in this test report.

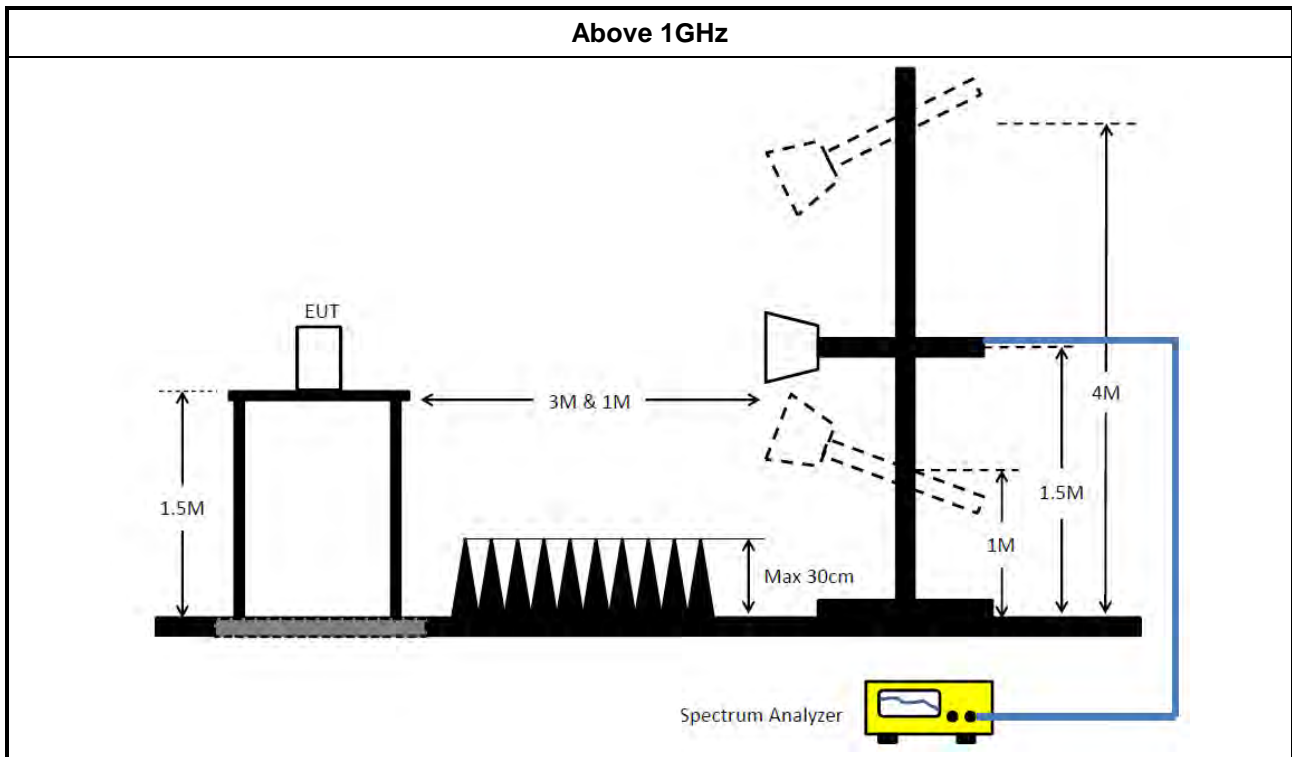


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq 98%).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW \geq 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ 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).
	<ul style="list-style-type: none"> ▪ 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
	<ul style="list-style-type: none"> ▪ 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	Apr. 12, 2022	Apr. 11, 2023	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 18, 2022	May 17, 2023	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	May 14, 2022	May 13, 2023	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. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV3044	101321	9kHz ~ 44GHz	Jun. 13, 2022	Jun. 12, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber 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	Apr. 19, 2022	Apr. 18, 2023	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)
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. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P1	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P2	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P3	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P4	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P5	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.

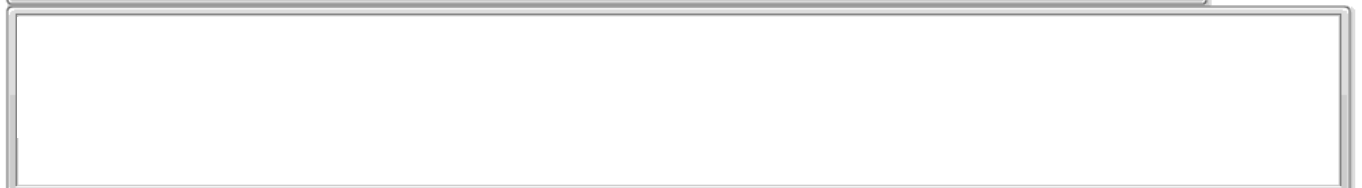
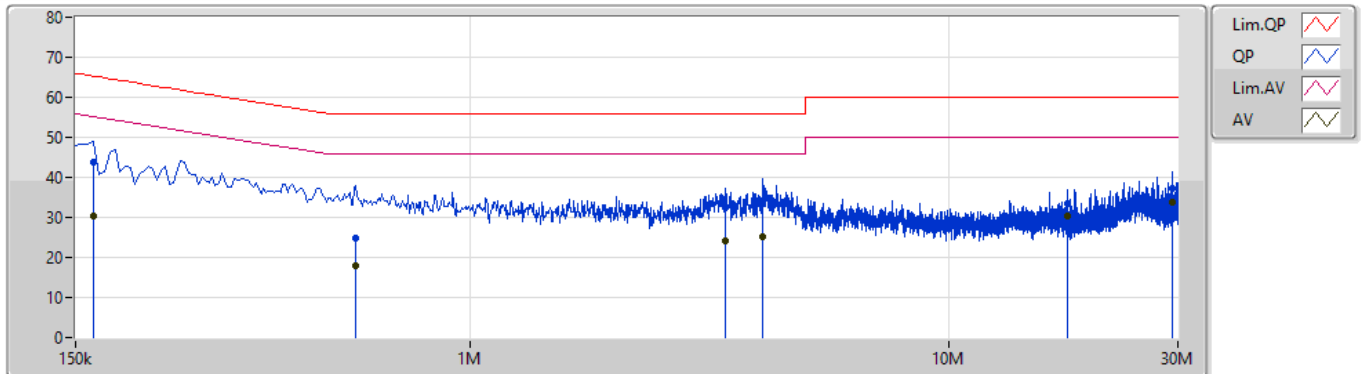


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	213k	44.08	53.09	-9.01	Neutral

Mode 1

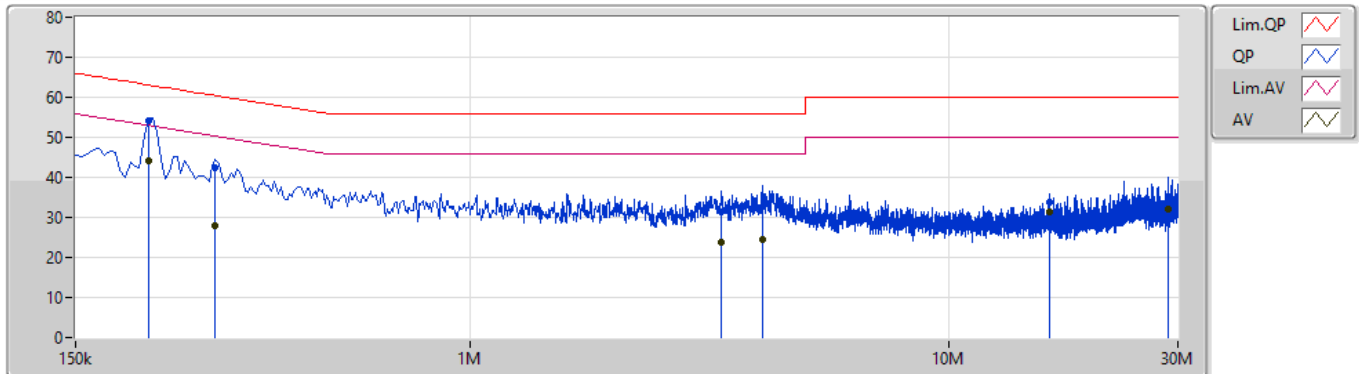
17/06/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	163.5k	43.77	65.27	-21.50	9.99	Line	-	33.78	0.06	0.04	9.89
AV	163.5k	30.47	55.27	-24.80	9.99	Line	-	20.48	0.06	0.04	9.89
QP	577.5k	24.72	56.00	-31.28	10.00	Line	-	14.72	0.06	0.05	9.89
AV	577.5k	18.07	46.00	-27.93	10.00	Line	-	8.07	0.06	0.05	9.89
QP	3.413M	32.32	56.00	-23.68	10.10	Line	-	22.22	0.11	0.10	9.89
AV	3.413M	24.20	46.00	-21.80	10.10	Line	-	14.10	0.11	0.10	9.89
QP	4.088M	33.60	56.00	-22.40	10.11	Line	-	23.49	0.12	0.10	9.89
AV	4.088M	25.18	46.00	-20.82	10.11	Line	-	15.07	0.12	0.10	9.89
QP	17.696M	33.61	60.00	-26.39	10.44	Line	-	23.17	0.29	0.20	9.95
AV	17.696M	30.27	50.00	-19.73	10.44	Line	-	19.83	0.29	0.20	9.95
QP	29.238M	37.10	60.00	-22.90	10.73	Line	-	26.37	0.39	0.33	10.01
AV	29.238M	33.85	50.00	-16.15	10.73	Line	"Worst"	23.12	0.39	0.33	10.01

17/06/2022

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	213k	54.06	63.09	-9.03	10.00	Neutral	-	44.06	0.07	0.04	9.89
AV	213k	44.08	53.09	-9.01	10.00	Neutral	"Worst"	34.08	0.07	0.04	9.89
QP	294k	42.57	60.42	-17.85	10.01	Neutral	-	32.56	0.07	0.05	9.89
AV	294k	28.02	50.42	-22.40	10.01	Neutral	-	18.01	0.07	0.05	9.89
QP	3.341M	31.52	56.00	-24.48	10.11	Neutral	-	21.41	0.12	0.10	9.89
AV	3.341M	23.78	46.00	-22.22	10.11	Neutral	-	13.67	0.12	0.10	9.89
QP	4.079M	32.82	56.00	-23.18	10.12	Neutral	-	22.70	0.13	0.10	9.89
AV	4.079M	24.46	46.00	-21.54	10.12	Neutral	-	14.34	0.13	0.10	9.89
QP	16.229M	33.63	60.00	-26.37	10.41	Neutral	-	23.22	0.28	0.18	9.95
AV	16.229M	31.24	50.00	-18.76	10.41	Neutral	-	20.83	0.28	0.18	9.95
QP	28.689M	35.12	60.00	-24.88	10.65	Neutral	-	24.47	0.31	0.33	10.01
AV	28.689M	32.07	50.00	-17.93	10.65	Neutral	-	21.42	0.31	0.33	10.01

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.075M	13.493M	13M5G1D	6M	12.594M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.542M	16M5D1D	15.1M	16.367M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.9M	19.04M	19M0D1D	16.075M	18.966M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.9M	38.131M	38M1D1D	34.75M	37.531M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.5M	13.343M	6M	13.493M
2437MHz	Pass	500k	8.075M	12.944M	8.05M	12.594M
2462MHz	Pass	500k	7.55M	13.293M	6.05M	13.468M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.05M	16.442M	16.3M	16.542M
2437MHz	Pass	500k	15.275M	16.392M	15.875M	16.367M
2462MHz	Pass	500k	16.025M	16.417M	15.1M	16.392M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.65M	18.966M	16.075M	19.04M
2437MHz	Pass	500k	18.675M	18.991M	17.375M	18.991M
2462MHz	Pass	500k	18.3M	18.991M	18.9M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.9M	37.981M	34.75M	38.081M
2437MHz	Pass	500k	37.1M	37.781M	35.85M	37.531M
2452MHz	Pass	500k	37.75M	38.031M	37.35M	38.131M

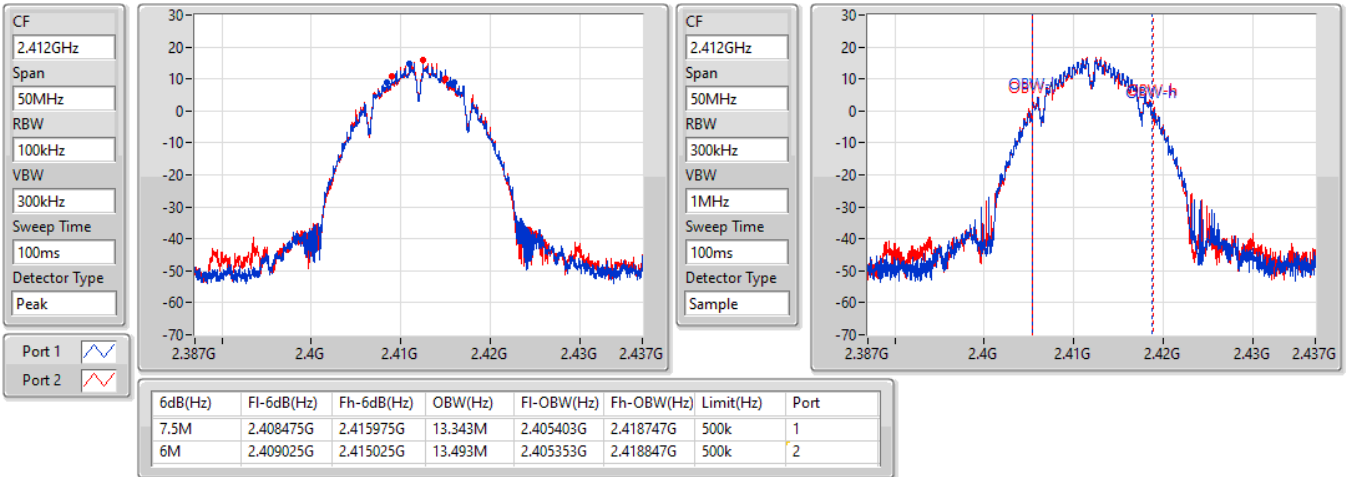
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

27/06/2022

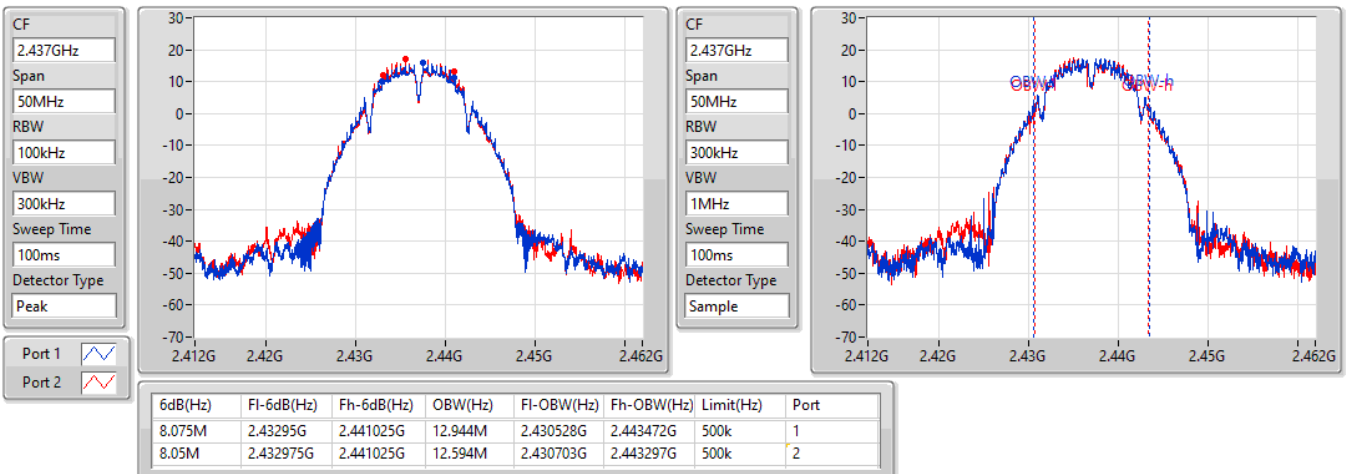


802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

27/06/2022

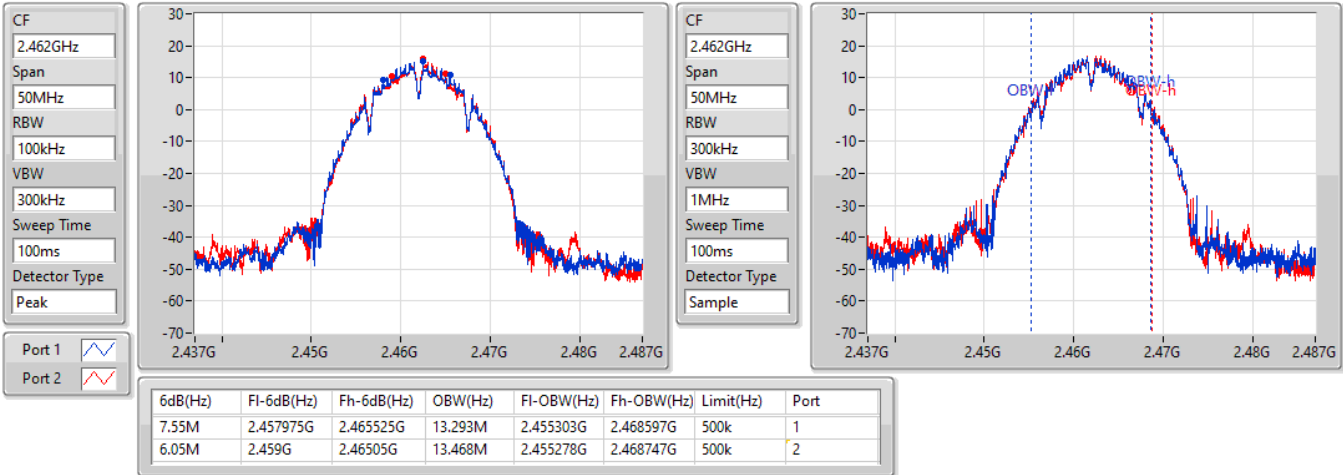


802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

27/06/2022

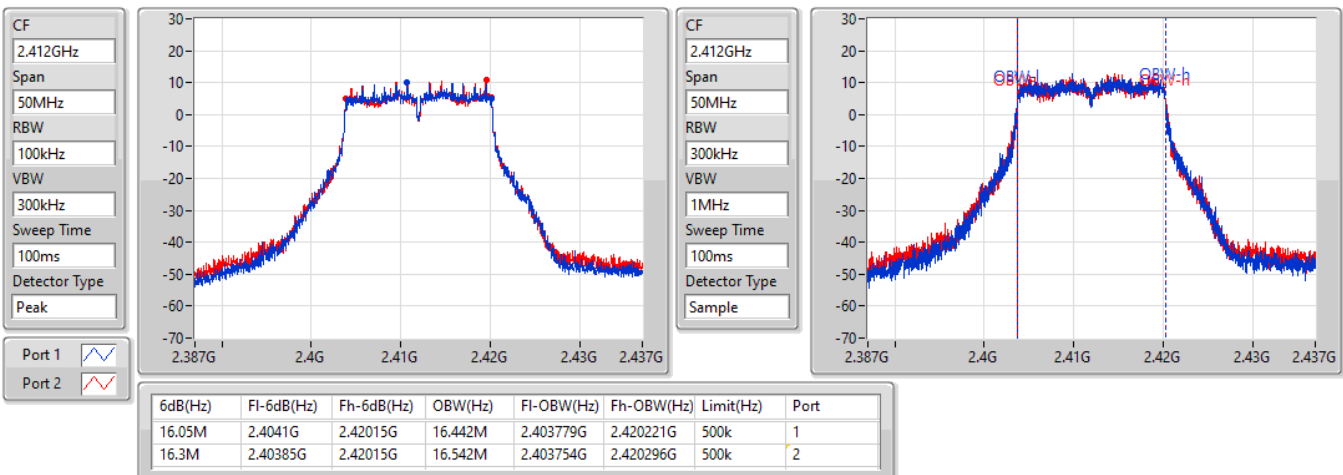


802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

27/06/2022

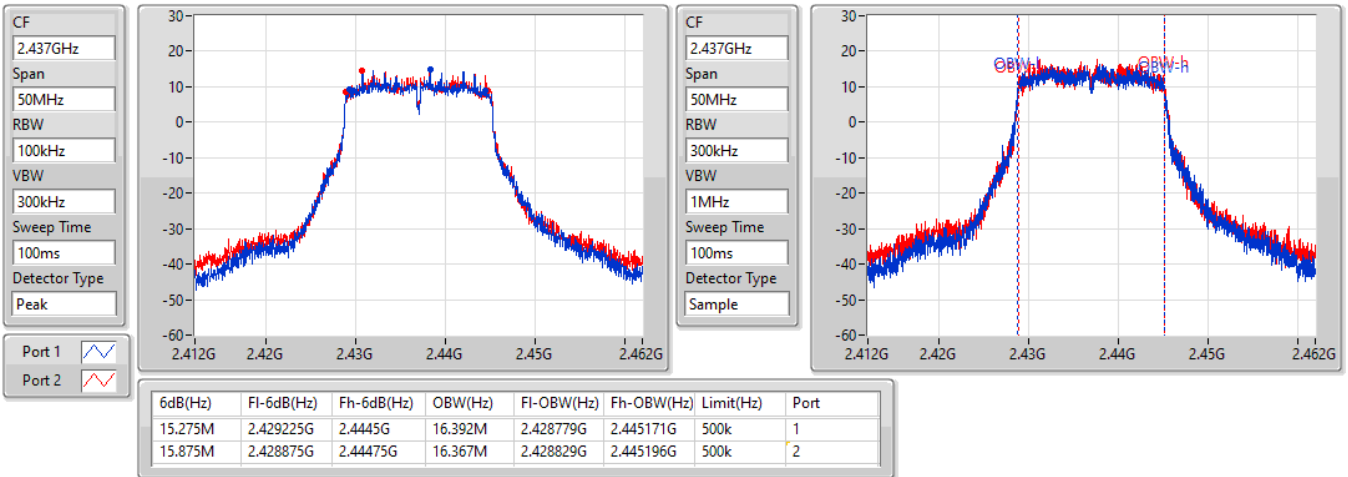


802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

27/06/2022

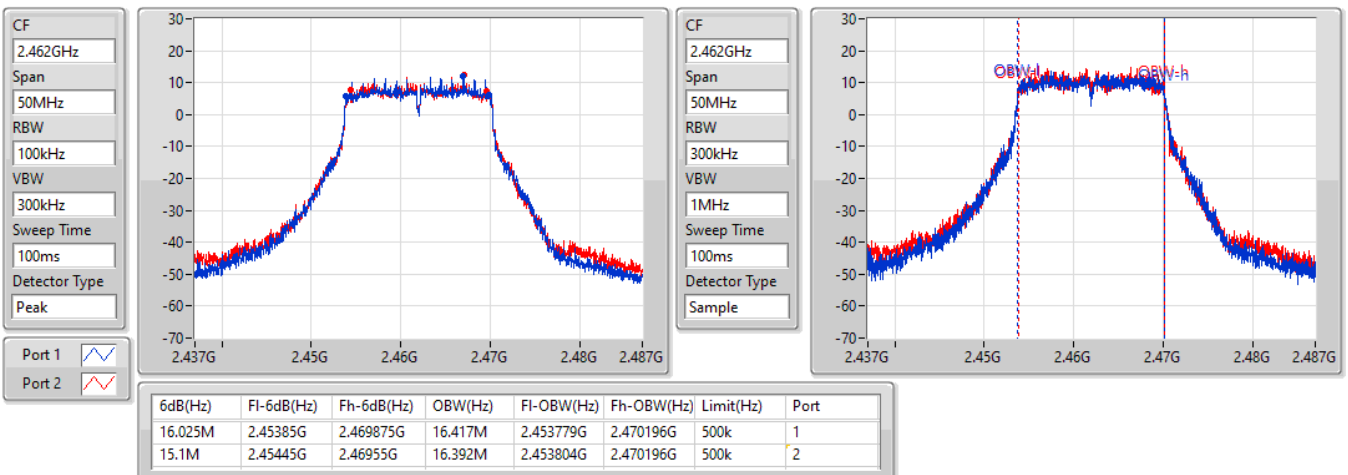


802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

27/06/2022

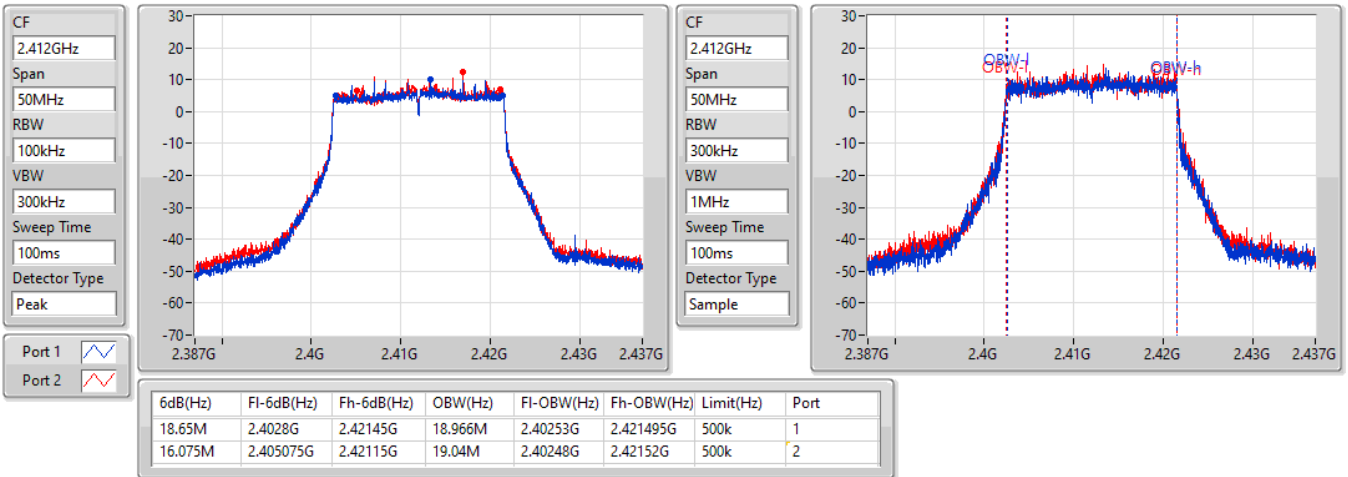


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

27/06/2022

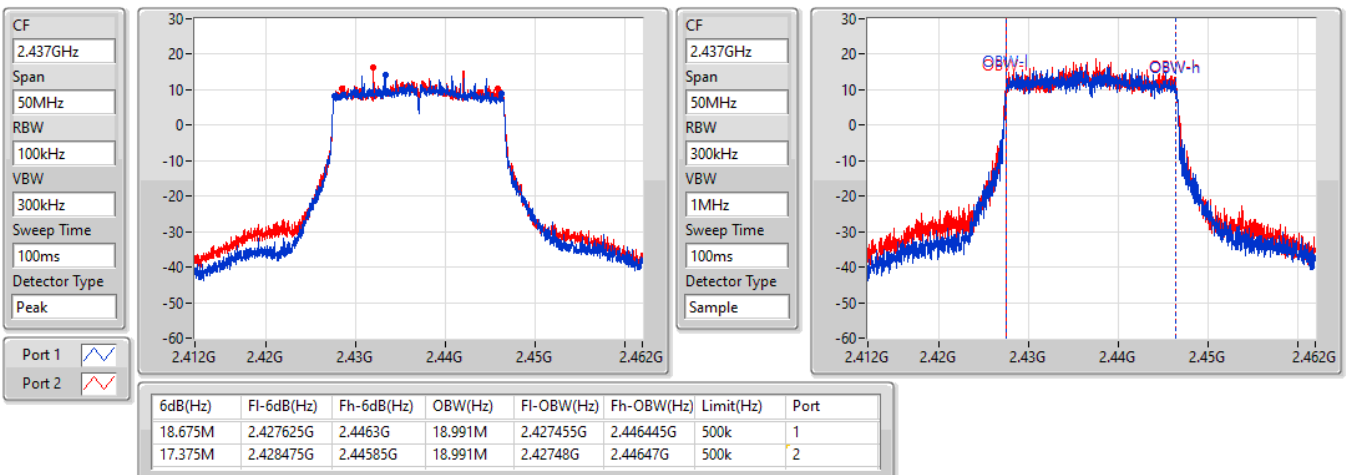


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

27/06/2022



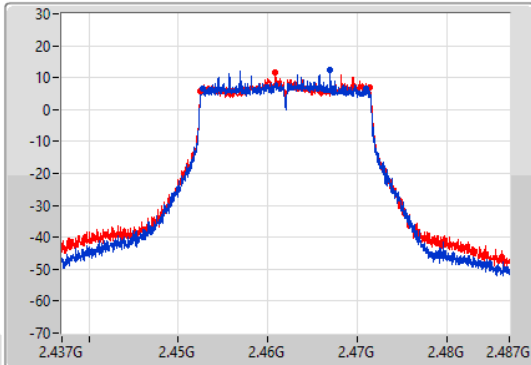
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

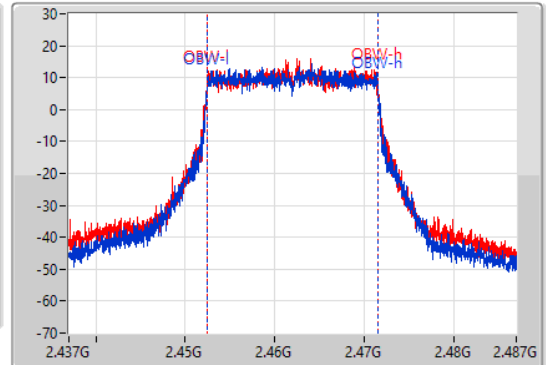
2462MHz

27/06/2022

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.3M	2.45275G	2.47105G	18.991M	2.452505G	2.471495G	500k	1
18.9M	2.452525G	2.471425G	19.04M	2.452455G	2.471495G	500k	2

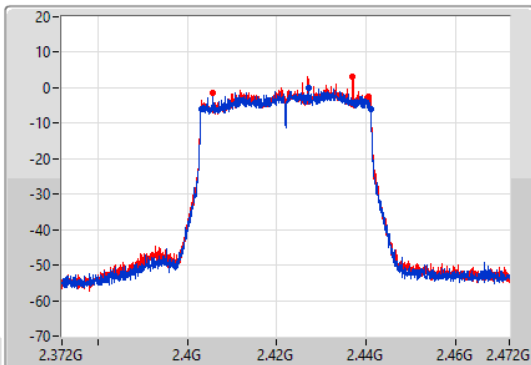
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

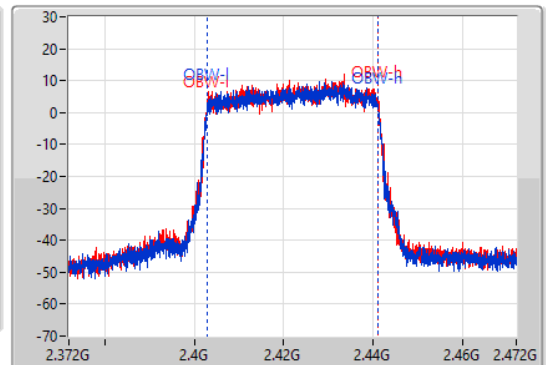
2422MHz

27/06/2022

CF
2.422GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.422GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



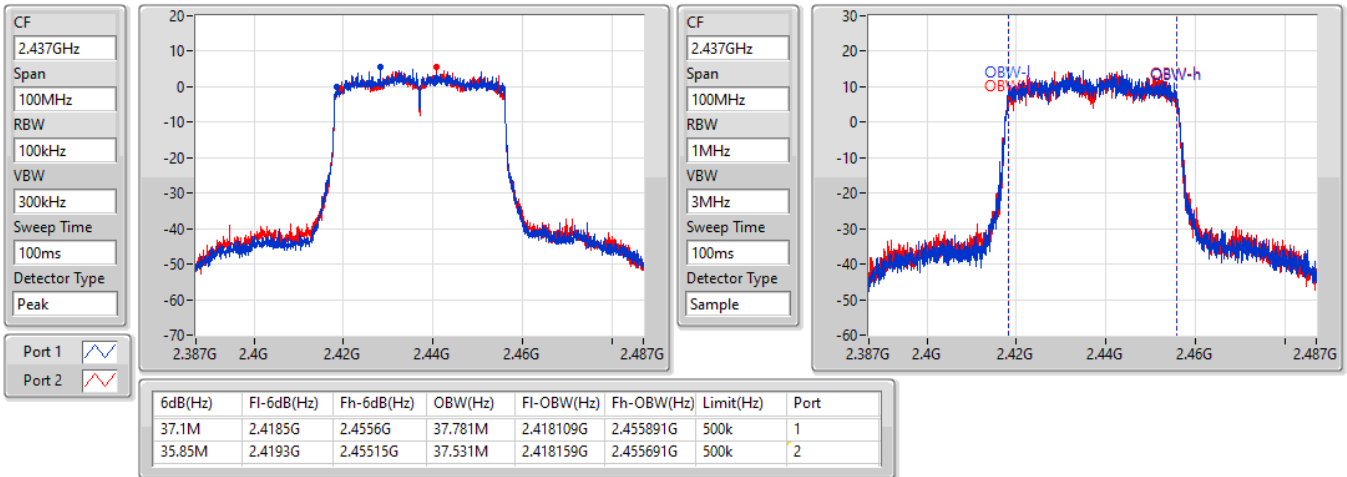
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.9M	2.4031G	2.441G	37.981M	2.403009G	2.440991G	500k	1
34.75M	2.40575G	2.4405G	38.081M	2.403009G	2.44109G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

27/06/2022

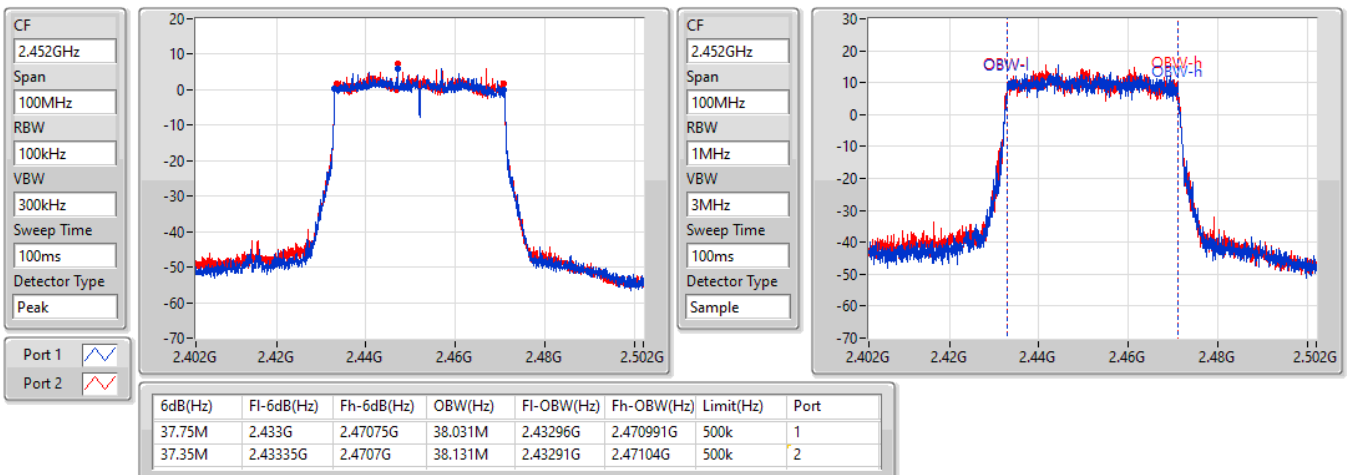


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

27/06/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.30	0.67608
802.11g_Nss1,(6Mbps)_2TX	28.26	0.66988
802.11ax HEW20_Nss1,(MCS0)_2TX	27.87	0.61235
802.11ax HEW40_Nss1,(MCS0)_2TX	22.84	0.19231



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.34	23.32	23.46	26.40	28.66
2417MHz	Pass	7.34	23.52	23.88	26.71	28.66
2437MHz	Pass	7.34	25.17	25.41	28.30	28.66
2457MHz	Pass	7.34	22.49	23.05	25.79	28.66
2462MHz	Pass	7.34	23.35	23.37	26.37	28.66
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.34	20.84	20.76	23.81	28.66
2417MHz	Pass	7.34	22.92	22.96	25.95	28.66
2437MHz	Pass	7.34	25.08	25.41	28.26	28.66
2457MHz	Pass	7.34	22.50	23.01	25.77	28.66
2462MHz	Pass	7.34	22.30	22.68	25.50	28.66
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.34	20.47	20.93	23.72	28.66
2417MHz	Pass	7.34	22.63	23.13	25.90	28.66
2437MHz	Pass	7.34	24.72	24.99	27.87	28.66
2457MHz	Pass	7.34	22.79	22.80	25.81	28.66
2462MHz	Pass	7.34	21.99	22.42	25.22	28.66
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.34	14.97	15.47	18.24	28.66
2427MHz	Pass	7.34	15.87	16.01	18.95	28.66
2437MHz	Pass	7.34	19.88	19.77	22.84	28.66
2452MHz	Pass	7.34	19.58	20.00	22.81	28.66

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	25.90	0.38905
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.84	0.19231



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.04	20.47	20.93	23.72	25.96
2417MHz	Pass	10.04	22.63	23.13	25.90	25.96
2437MHz	Pass	10.04	22.52	22.89	25.72	25.96
2457MHz	Pass	10.04	22.79	22.80	25.81	25.96
2462MHz	Pass	10.04	21.99	22.42	25.22	25.96
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.04	14.97	15.47	18.24	25.96
2427MHz	Pass	10.04	15.87	16.01	18.95	25.96
2437MHz	Pass	10.04	19.88	19.77	22.84	25.96
2452MHz	Pass	10.04	19.58	20.00	22.81	25.96

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	2.49
802.11g_Nss1,(6Mbps)_2TX	1.80
802.11ax HEW20_Nss1,(MCS0)_2TX	0.04
802.11ax HEW40_Nss1,(MCS0)_2TX	-6.99

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.04	0.72	0.75	2.49	3.96
2437MHz	Pass	10.04	-2.65	-3.13	-0.17	3.96
2462MHz	Pass	10.04	-4.19	-3.00	-0.73	3.96
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.04	-6.19	-5.19	-3.69	3.96
2437MHz	Pass	10.04	-2.51	0.62	1.80	3.96
2462MHz	Pass	10.04	-4.77	-4.67	-2.72	3.96
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.04	-6.67	-5.82	-4.68	3.96
2437MHz	Pass	10.04	-1.96	-1.85	0.04	3.96
2462MHz	Pass	10.04	-5.08	-3.56	-2.56	3.96
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.04	-11.99	-13.83	-10.34	3.96
2437MHz	Pass	10.04	-7.69	-8.38	-7.04	3.96
2452MHz	Pass	10.04	-9.87	-8.30	-6.99	3.96

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

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

27/06/2022

CF
2.412GHz

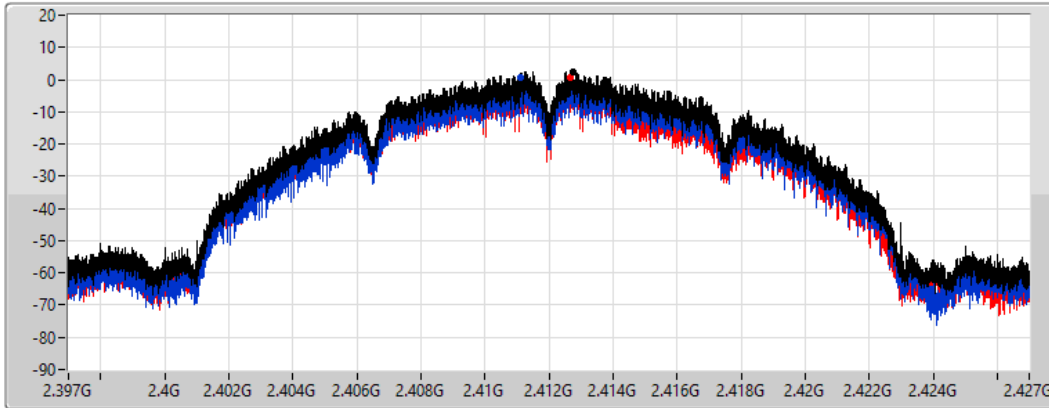
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.49	2.49	0.72	0.75

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

27/06/2022

CF
2.437GHz

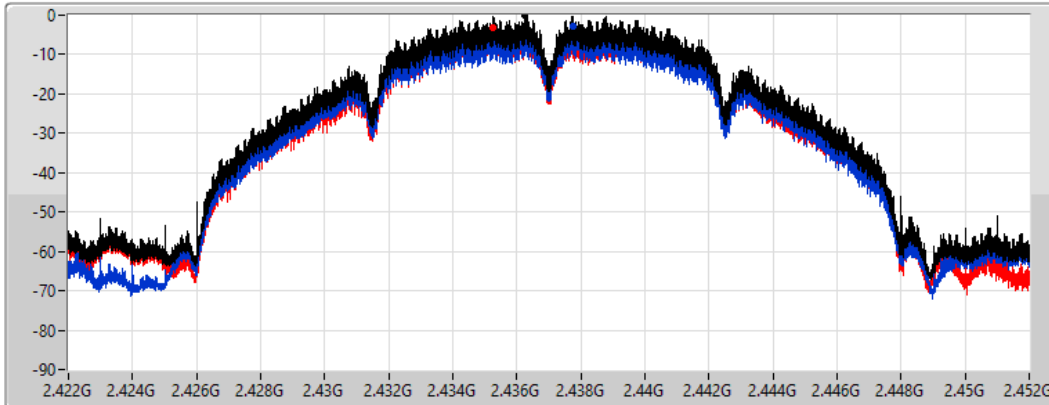
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.17	-0.17	-2.65	-3.13

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

27/06/2022

CF
2.462GHz

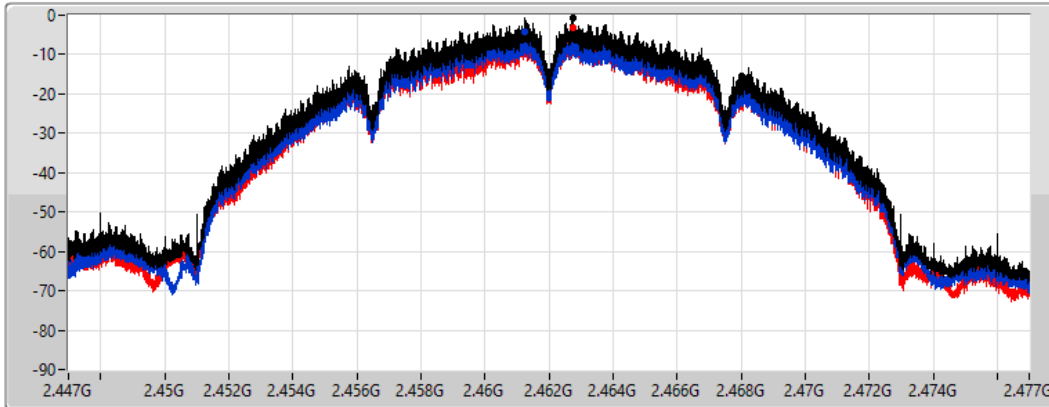
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.73	-0.73	-4.19	-3.00

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

27/06/2022

CF
2.412GHz

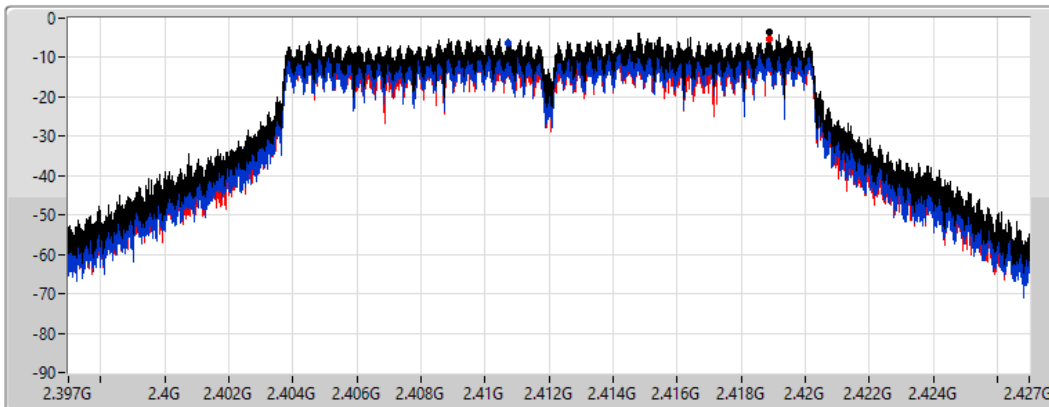
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.69	-3.69	-6.19	-5.19

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

27/06/2022

CF
2.437GHz

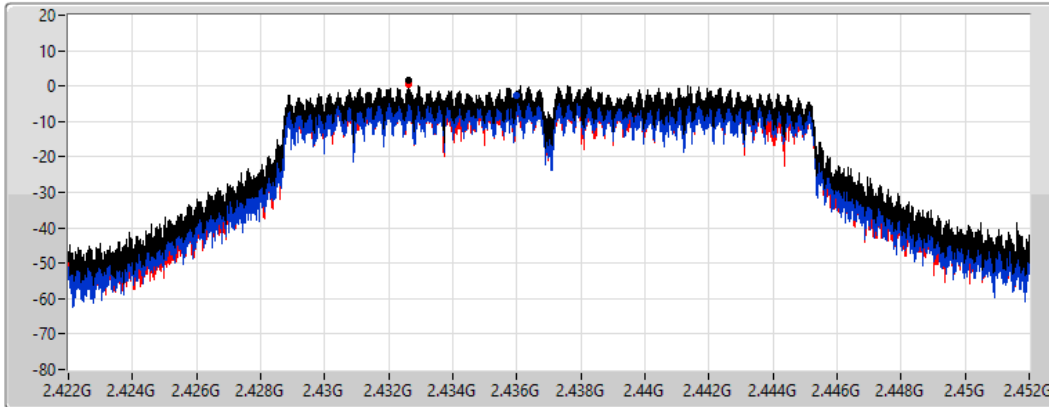
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.80	1.80	-2.51	0.62

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

27/06/2022

CF
2.462GHz

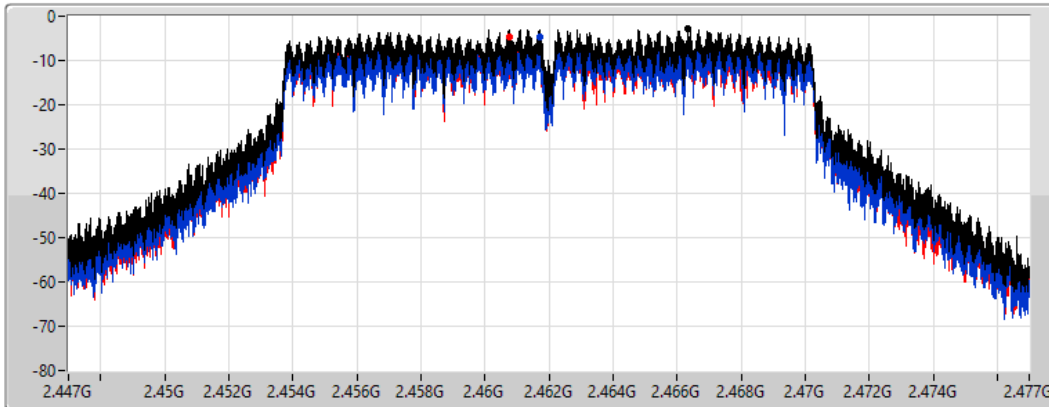
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.72	-2.72	-4.77	-4.67

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

27/06/2022

CF
2.412GHz

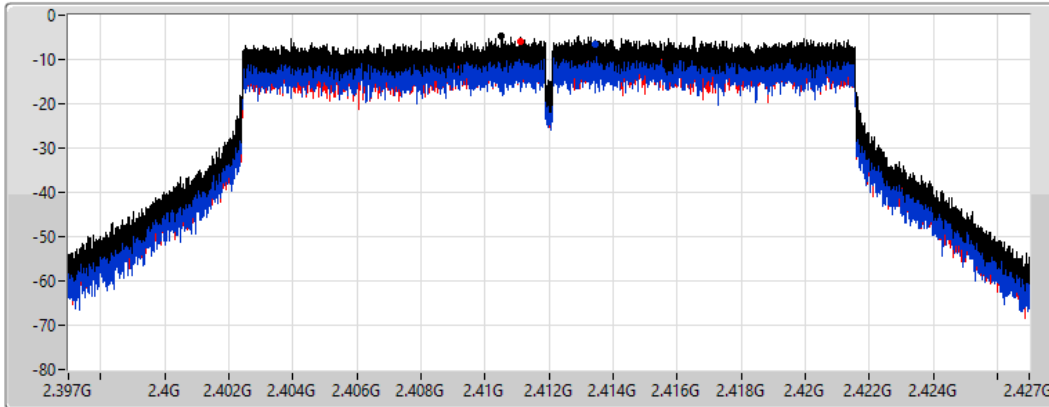
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.68	-4.68	-6.67	-5.82

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

27/06/2022

CF
2.437GHz

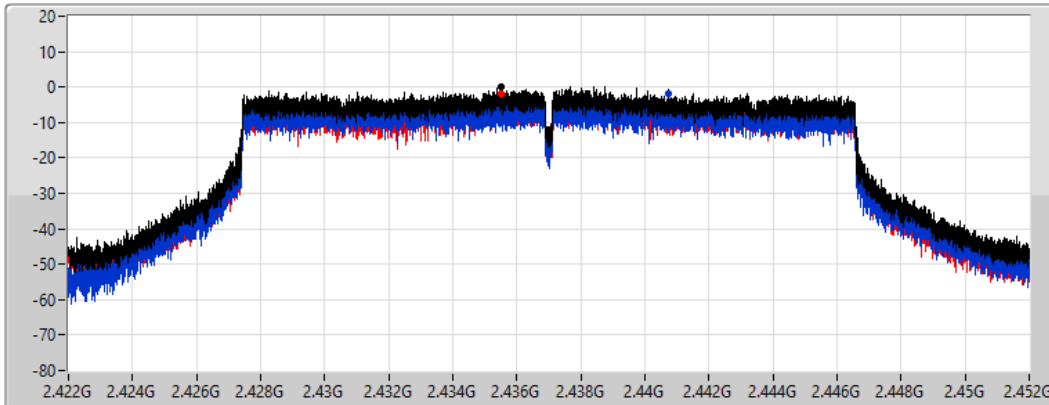
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.04	0.04	-1.96	-1.85

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

27/06/2022

CF
2.462GHz

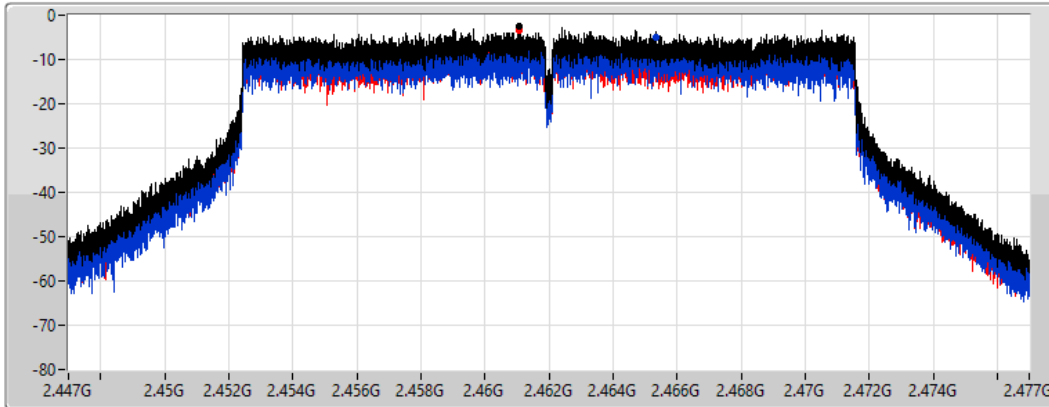
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.56	-2.56	-5.08	-3.56

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

27/06/2022

CF
2.422GHz

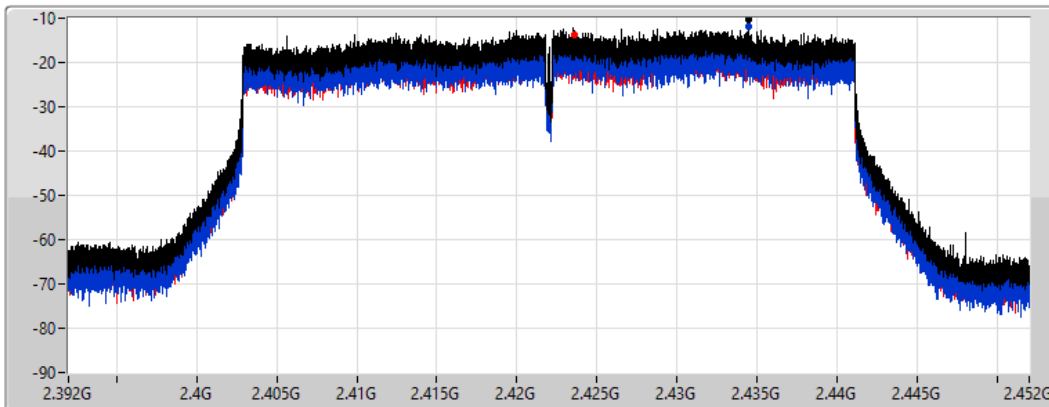
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.34	-10.34	-11.99	-13.83

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

27/06/2022

CF
2.437GHz

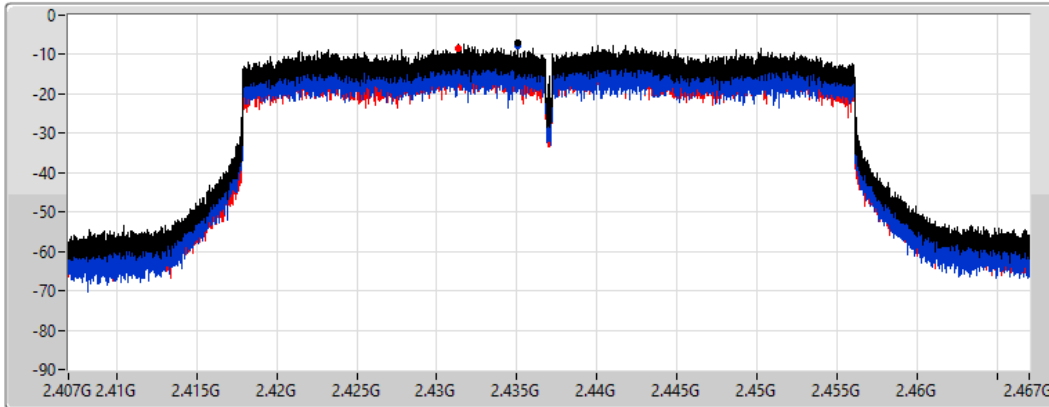
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.04	-7.04	-7.69	-8.38

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

27/06/2022

CF
2.452GHz

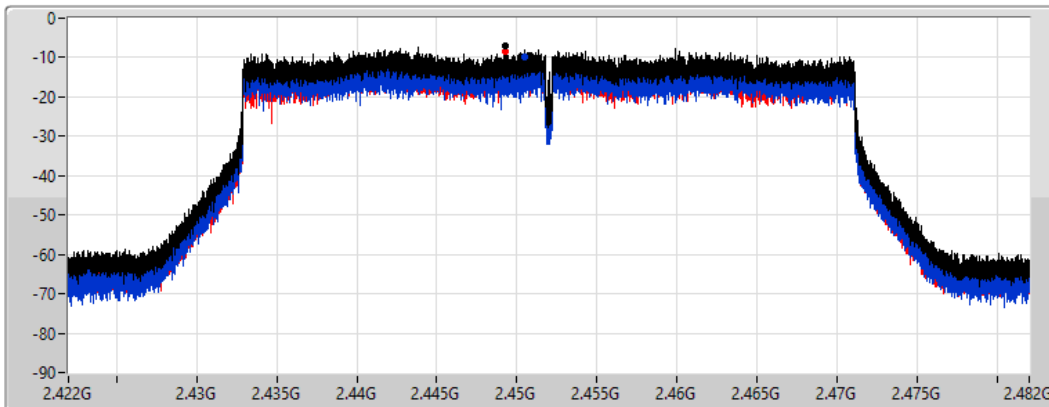
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.99	-6.99	-9.87	-8.30



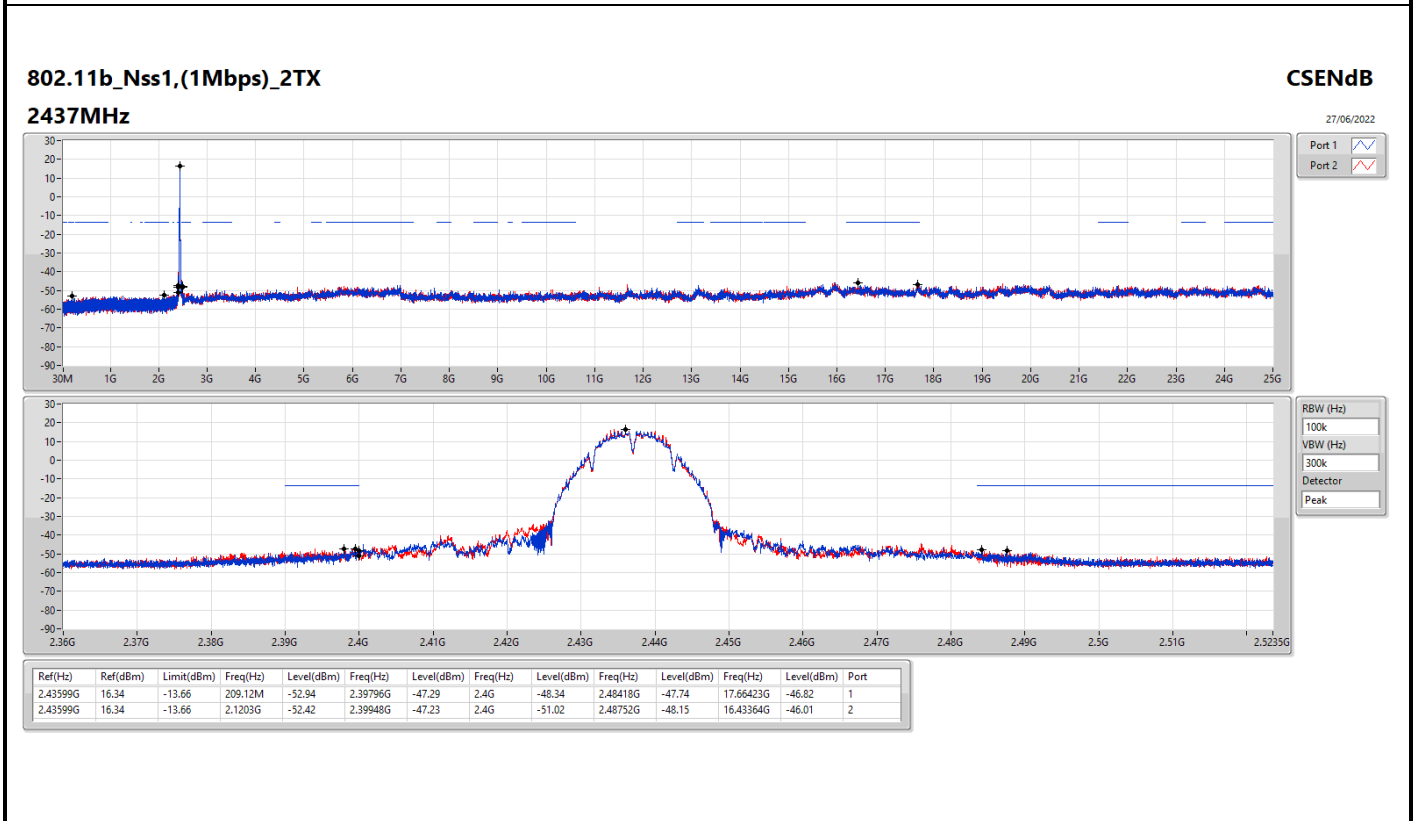
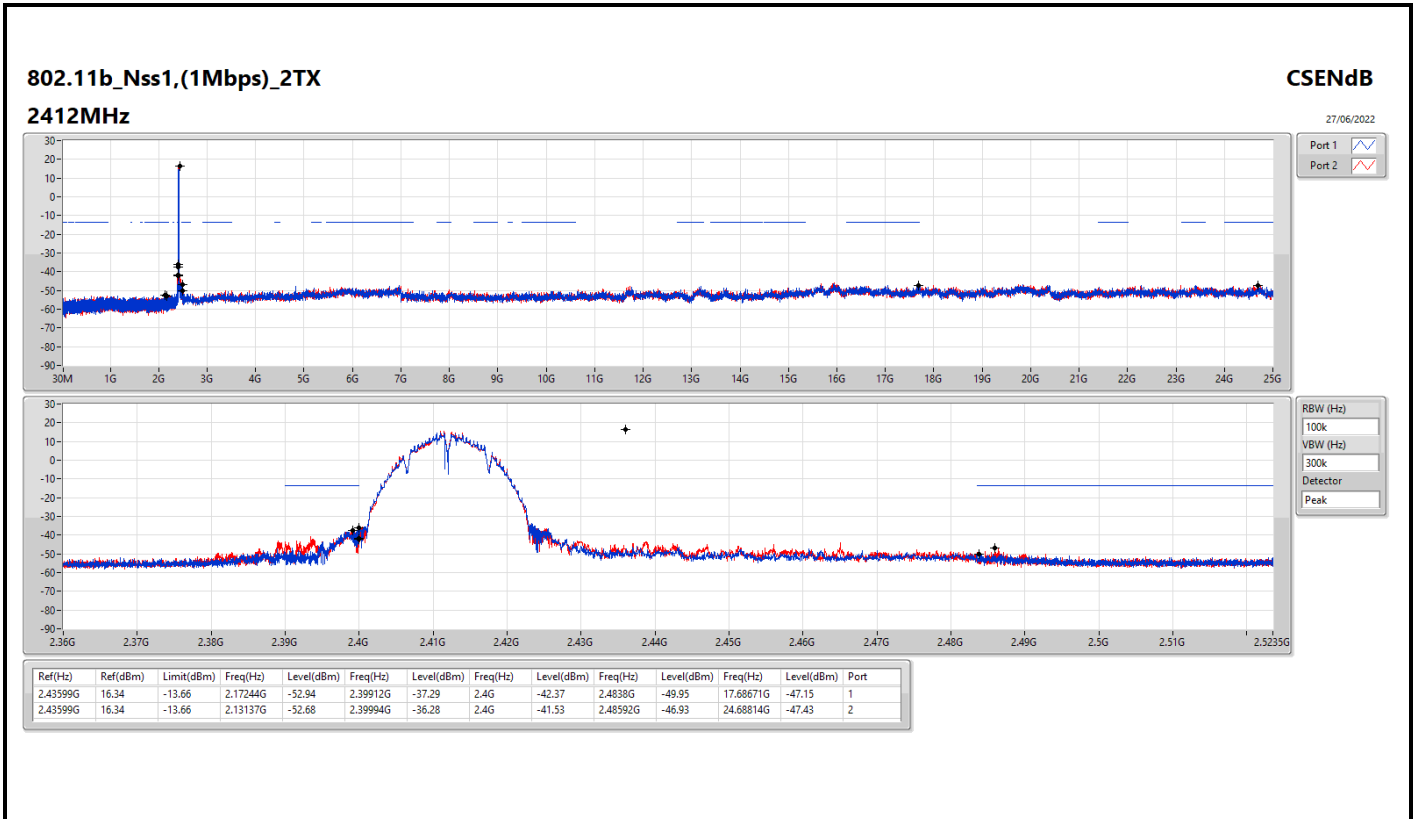
Summary

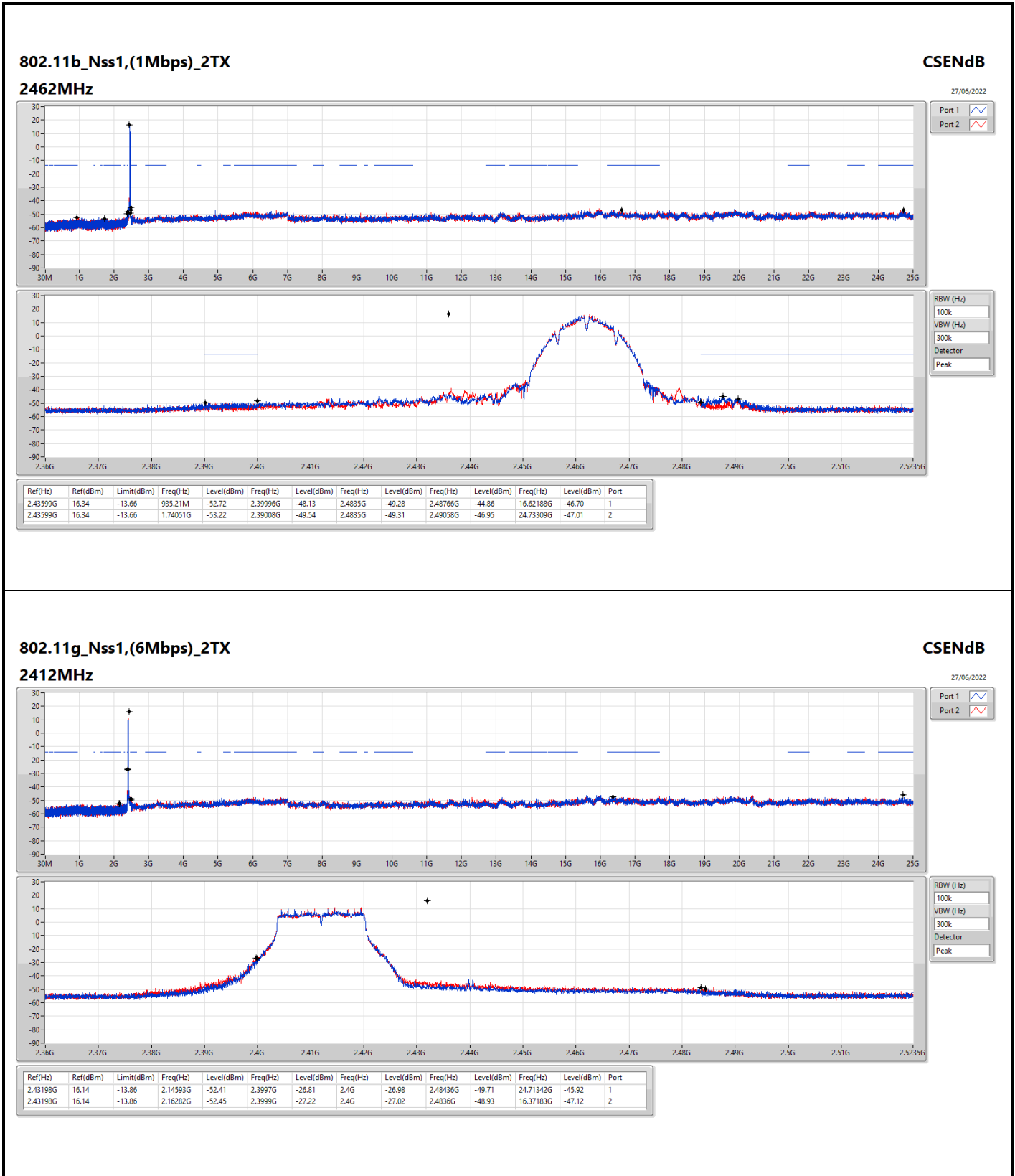
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43599G	16.34	-13.66	2.13137G	-52.68	2.39994G	-36.28	2.4G	-41.53	2.48592G	-46.93	24.68814G	-47.43	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43198G	16.14	-13.86	2.14593G	-52.41	2.3997G	-26.81	2.4G	-26.98	2.48436G	-49.71	24.71342G	-45.92	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43198G	15.18	-14.82	2.30932G	-52.61	2.39988G	-25.34	2.4G	-27.15	2.48518G	-50.20	6.44846G	-47.06	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44572G	5.79	-24.21	2.12821G	-52.91	2.3996G	-38.48	2.4G	-43.36	2.48442G	-46.11	16.59473G	-46.91	2

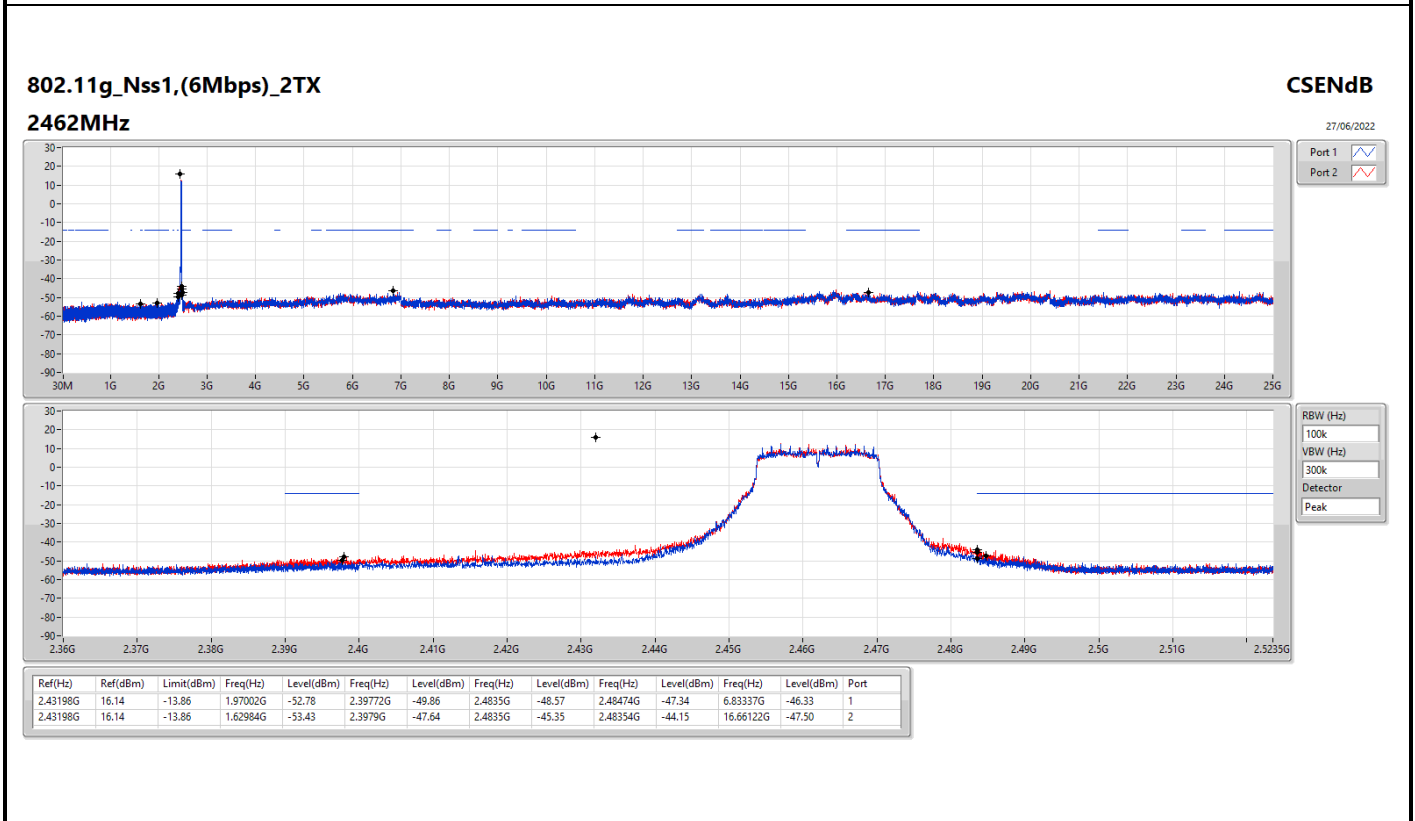
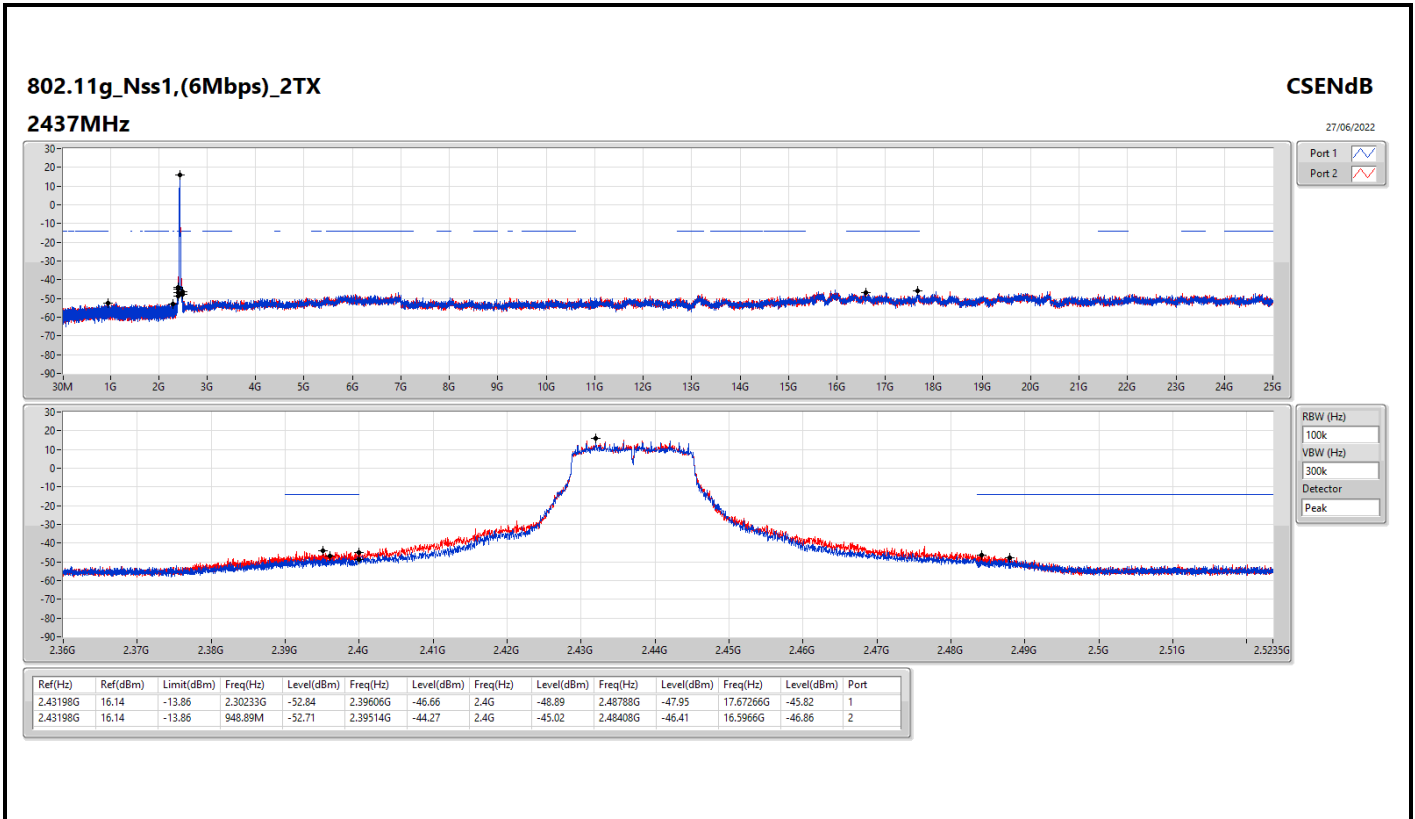


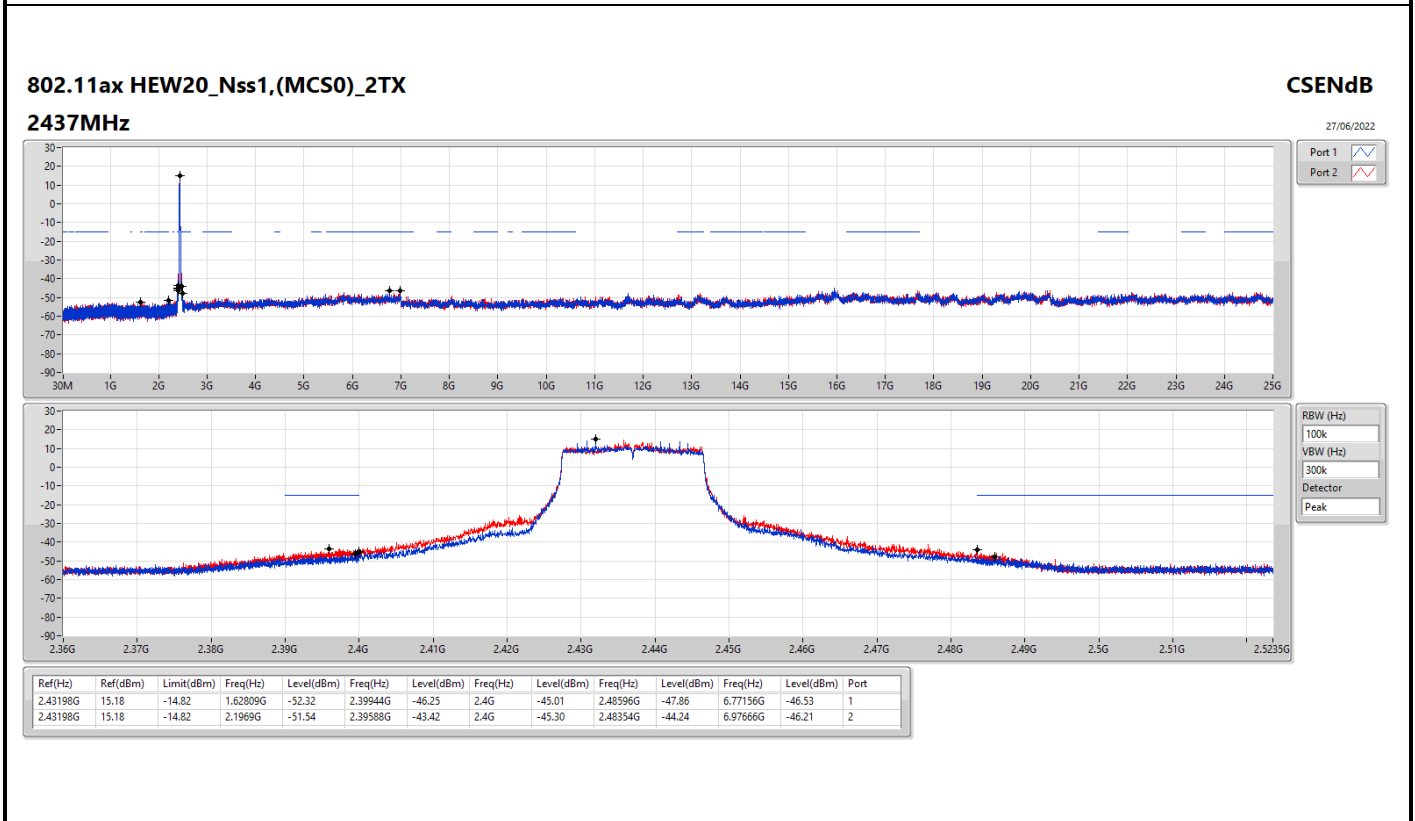
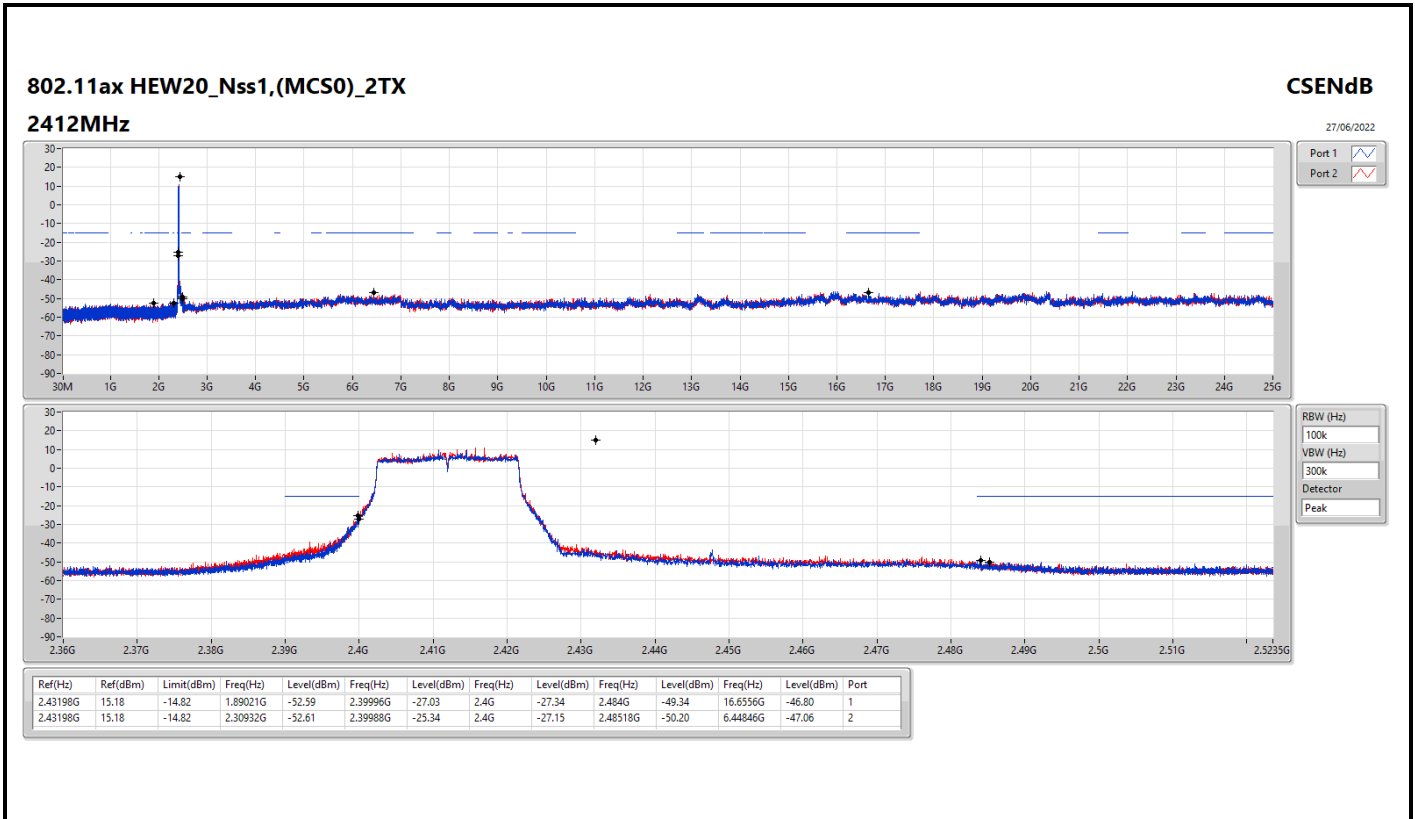
Result

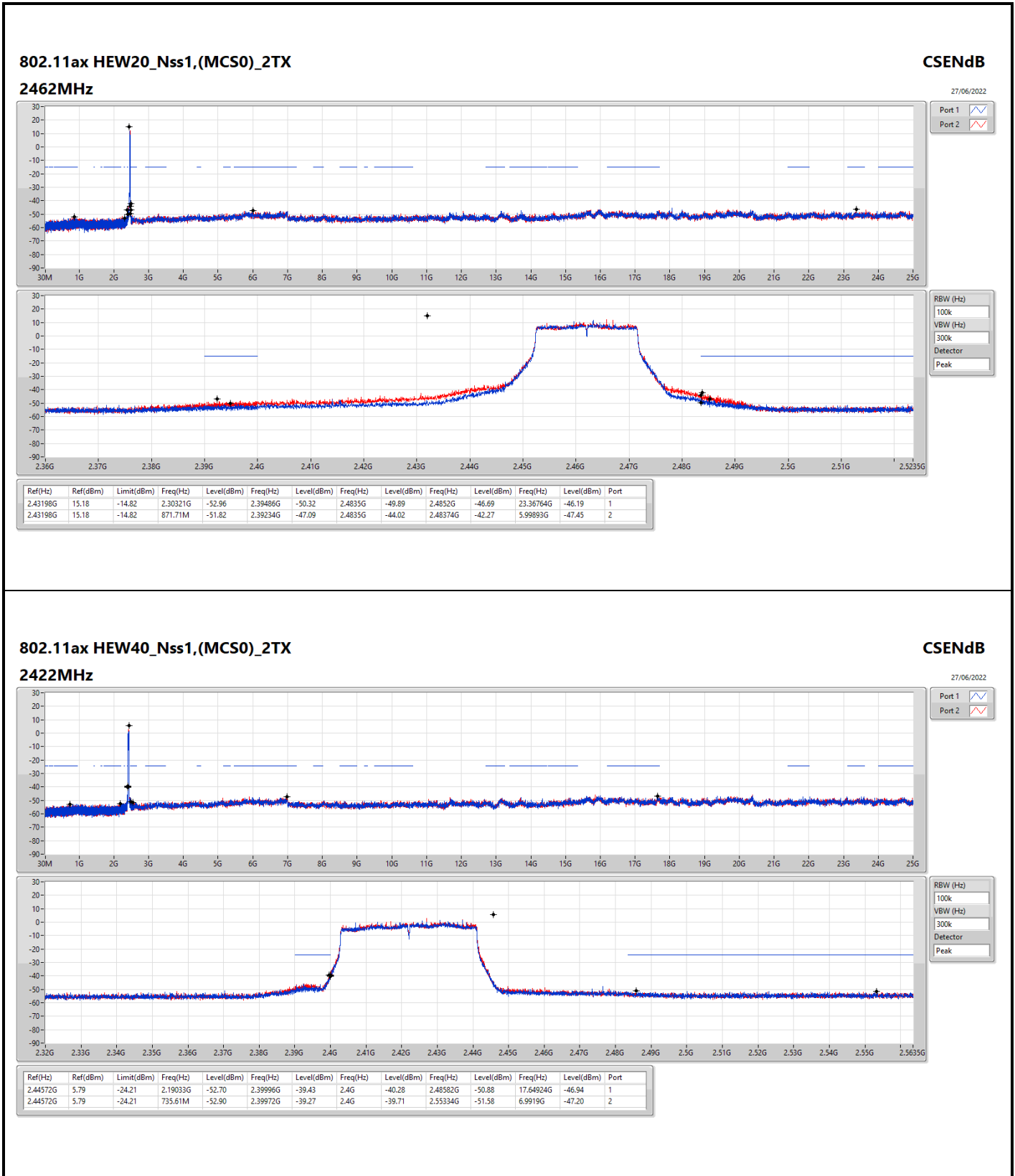
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	16.34	-13.66	2.17244G	-52.94	2.39912G	-37.29	2.4G	-42.37	2.4838G	-49.95	17.68671G	-47.15	1
2412MHz	Pass	2.43599G	16.34	-13.66	2.13137G	-52.68	2.39994G	-36.28	2.4G	-41.53	2.48592G	-46.93	24.68814G	-47.43	2
2437MHz	Pass	2.43599G	16.34	-13.66	209.12M	-52.94	2.39796G	-47.29	2.4G	-48.34	2.48418G	-47.74	17.66423G	-46.82	1
2437MHz	Pass	2.43599G	16.34	-13.66	2.1203G	-52.42	2.39948G	-47.23	2.4G	-51.02	2.48752G	-48.15	16.43364G	-46.01	2
2462MHz	Pass	2.43599G	16.34	-13.66	935.21M	-52.72	2.39996G	-48.13	2.4835G	-49.28	2.48766G	-44.86	16.62188G	-46.70	1
2462MHz	Pass	2.43599G	16.34	-13.66	1.74051G	-53.22	2.39008G	-49.54	2.4835G	-49.31	2.49058G	-46.95	24.73309G	-47.01	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	16.14	-13.86	2.14593G	-52.41	2.3997G	-26.81	2.4G	-26.98	2.48436G	-49.71	24.71342G	-45.92	1
2412MHz	Pass	2.43198G	16.14	-13.86	2.16282G	-52.45	2.3999G	-27.22	2.4G	-27.02	2.4836G	-48.93	16.37183G	-47.12	2
2437MHz	Pass	2.43198G	16.14	-13.86	2.30233G	-52.84	2.39606G	-46.66	2.4G	-48.89	2.48788G	-47.95	17.67266G	-45.82	1
2437MHz	Pass	2.43198G	16.14	-13.86	948.89M	-52.71	2.39514G	-44.27	2.4G	-45.02	2.48408G	-46.41	16.5966G	-46.86	2
2462MHz	Pass	2.43198G	16.14	-13.86	1.97002G	-52.78	2.39772G	-49.86	2.4835G	-48.57	2.48474G	-47.34	6.83337G	-46.33	1
2462MHz	Pass	2.43198G	16.14	-13.86	1.62984G	-53.43	2.3979G	-47.64	2.4835G	-45.35	2.48354G	-44.15	16.66122G	-47.50	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	15.18	-14.82	1.89021G	-52.59	2.39996G	-27.03	2.4G	-27.34	2.484G	-49.34	16.6556G	-46.80	1
2412MHz	Pass	2.43198G	15.18	-14.82	2.30932G	-52.61	2.39988G	-25.34	2.4G	-27.15	2.48518G	-50.20	6.44846G	-47.06	2
2437MHz	Pass	2.43198G	15.18	-14.82	1.62809G	-52.32	2.39944G	-46.25	2.4G	-45.01	2.48596G	-47.86	6.77156G	-46.53	1
2437MHz	Pass	2.43198G	15.18	-14.82	2.1969G	-51.54	2.39588G	-43.42	2.4G	-45.30	2.48354G	-44.24	6.97666G	-46.21	2
2462MHz	Pass	2.43198G	15.18	-14.82	2.30321G	-52.96	2.39486G	-50.32	2.4835G	-49.89	2.4852G	-46.69	23.36764G	-46.19	1
2462MHz	Pass	2.43198G	15.18	-14.82	871.71M	-51.82	2.39234G	-47.09	2.4835G	-44.02	2.48374G	-42.27	5.99893G	-47.45	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44572G	5.79	-24.21	2.19033G	-52.70	2.39996G	-39.43	2.4G	-40.28	2.48582G	-50.88	17.64924G	-46.94	1
2422MHz	Pass	2.44572G	5.79	-24.21	735.61M	-52.90	2.39972G	-39.27	2.4G	-39.71	2.55334G	-51.58	6.9919G	-47.20	2
2437MHz	Pass	2.44572G	5.79	-24.21	950.01M	-52.06	2.3996G	-41.59	2.4G	-43.79	2.48358G	-44.74	17.66887G	-46.54	1
2437MHz	Pass	2.44572G	5.79	-24.21	2.12821G	-52.91	2.3996G	-38.48	2.4G	-43.36	2.48442G	-46.11	16.59473G	-46.91	2
2452MHz	Pass	2.44572G	5.79	-24.21	1.71401G	-52.80	2.39072G	-49.68	2.4835G	-49.96	2.48714G	-47.21	17.69411G	-46.84	1
2452MHz	Pass	2.44572G	5.79	-24.21	2.16772G	-52.49	2.39848G	-47.37	2.4G	-48.95	2.48578G	-47.28	24.18948G	-46.37	2

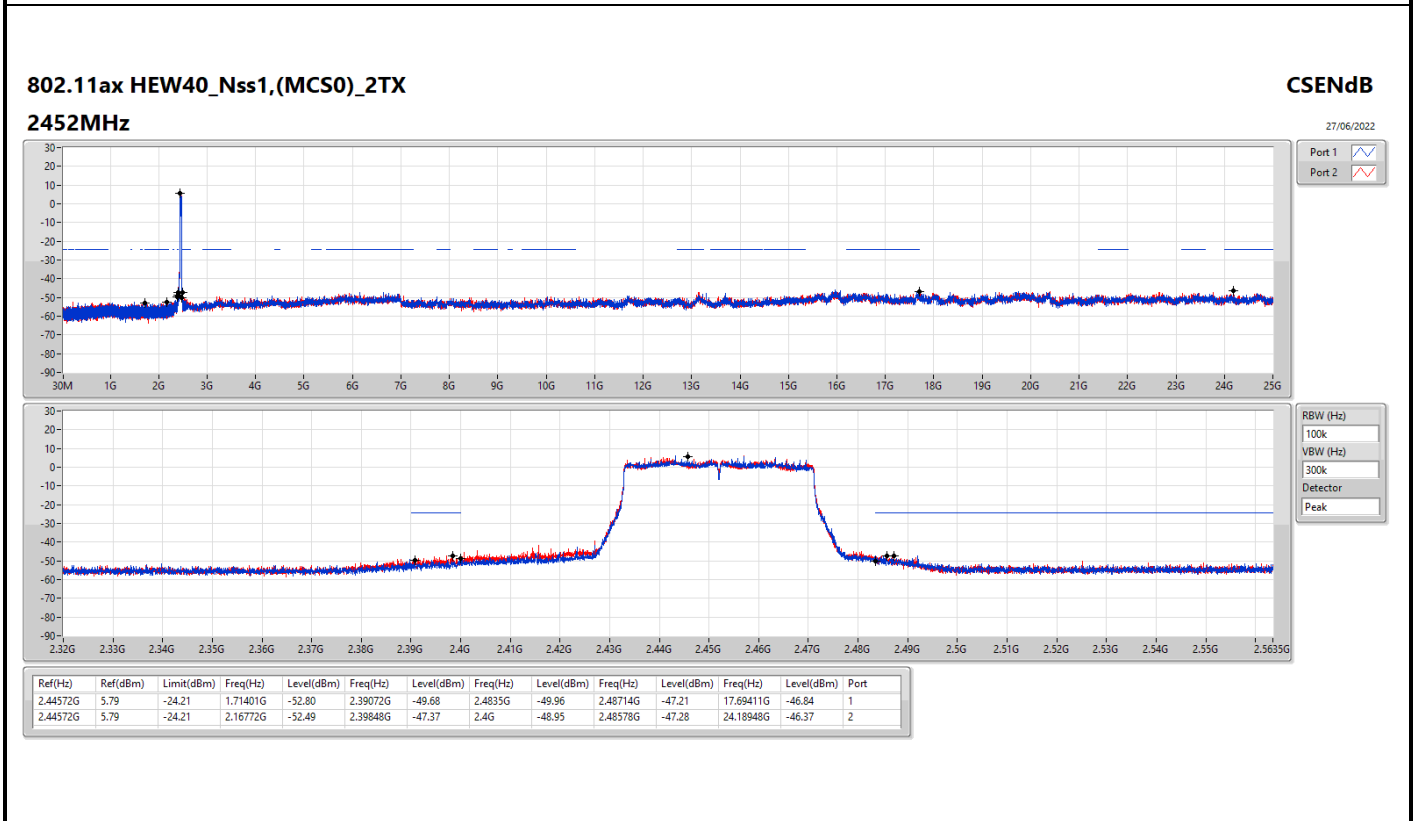
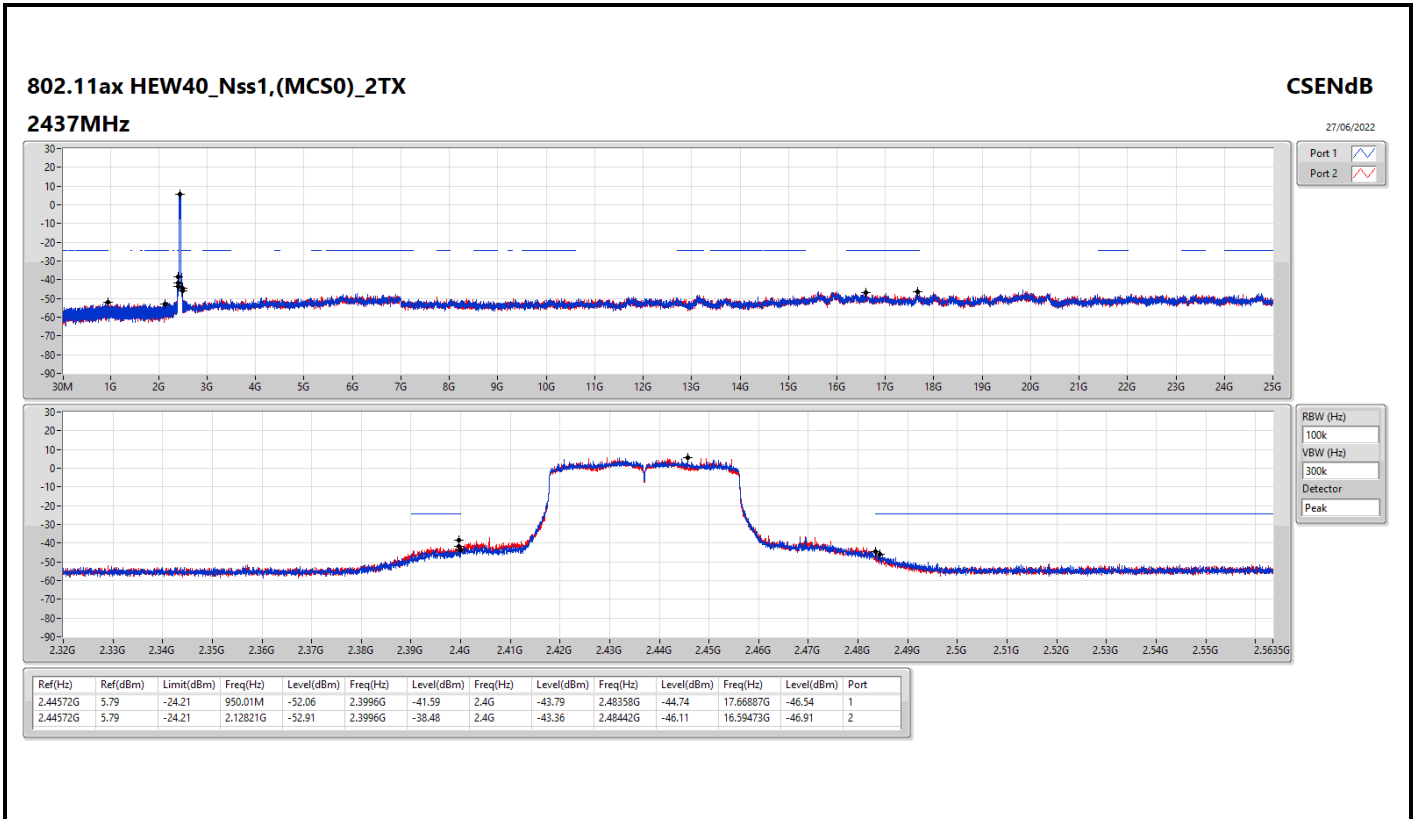










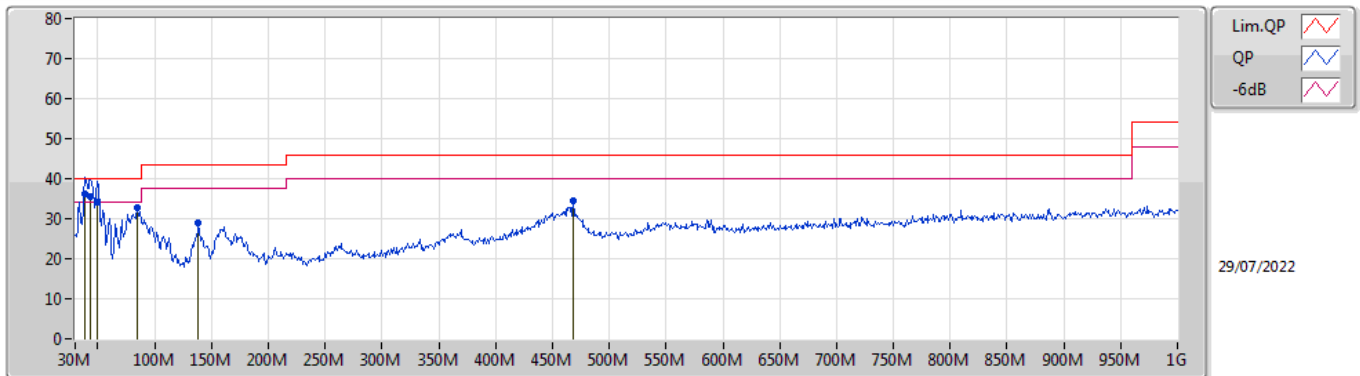




Summary

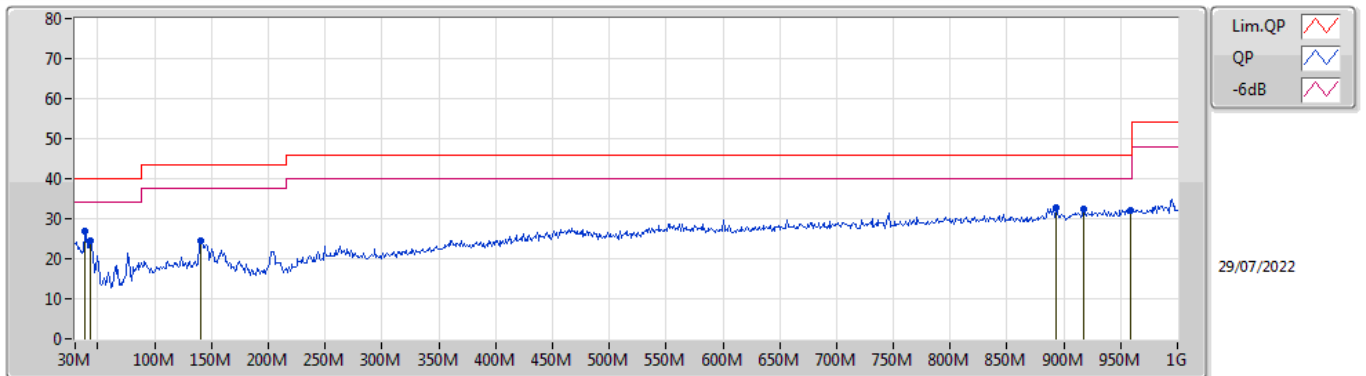
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	38.73M	36.12	40.00	-3.88	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	38.73M	36.12	40.00	-3.88	-11.48	3	Vertical	0	1.00	"Worst"	47.60	19.35	0.90	31.73
QP	43.58M	35.38	40.00	-4.62	-14.12	3	Vertical	106	1.00	-	49.50	16.72	0.97	31.81
QP	49.4M	34.01	40.00	-5.99	-16.49	3	Vertical	150	1.00	-	50.50	14.28	1.09	31.86
PK	84.32M	32.71	40.00	-7.29	-17.09	3	Vertical	244	1.25	-	49.80	13.46	1.40	31.95
PK	138.64M	29.11	43.50	-14.39	-13.20	3	Vertical	2	1.00	-	42.31	17.03	1.79	32.02
PK	468.44M	34.53	46.00	-11.47	-5.81	3	Vertical	258	1.50	-	40.34	22.96	3.54	32.31

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	38.73M	27.05	40.00	-12.95	-11.48	3	Horizontal	96	1.00	"Worst"	38.53	19.35	0.90	31.73
PK	43.58M	24.63	40.00	-15.37	-14.12	3	Horizontal	115	2.00	-	38.75	16.72	0.97	31.81
PK	140.58M	24.60	43.50	-18.90	-13.31	3	Horizontal	246	2.00	-	37.91	16.90	1.81	32.02
PK	893.3M	32.86	46.00	-13.14	-1.05	3	Horizontal	4	1.25	-	33.91	26.17	5.27	32.49
PK	917.55M	32.26	46.00	-13.74	-0.90	3	Horizontal	53	1.50	-	33.16	26.18	5.41	32.49
PK	959.26M	32.09	46.00	-13.91	-0.23	3	Horizontal	114	1.00	-	32.32	26.62	5.60	32.45

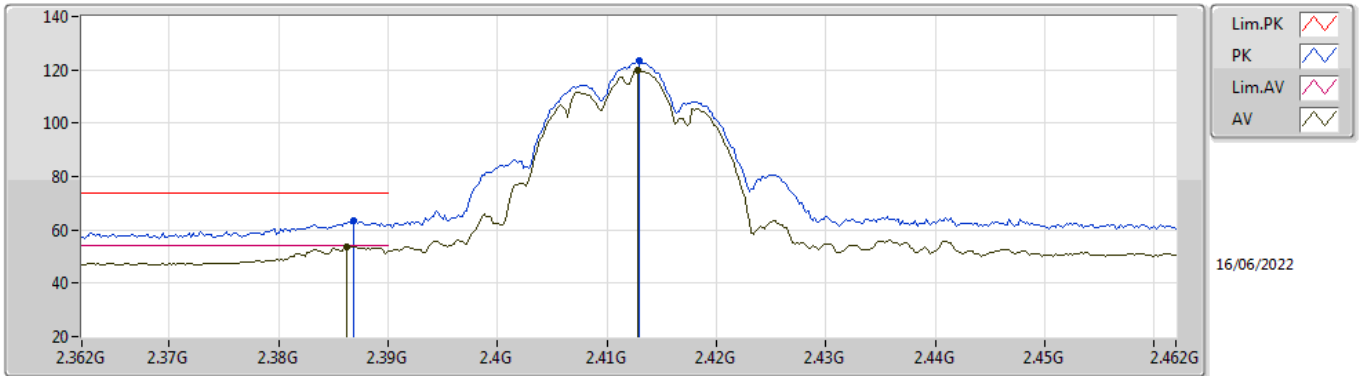


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.92	54.00	-0.08	3	Vertical	0	1.40	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

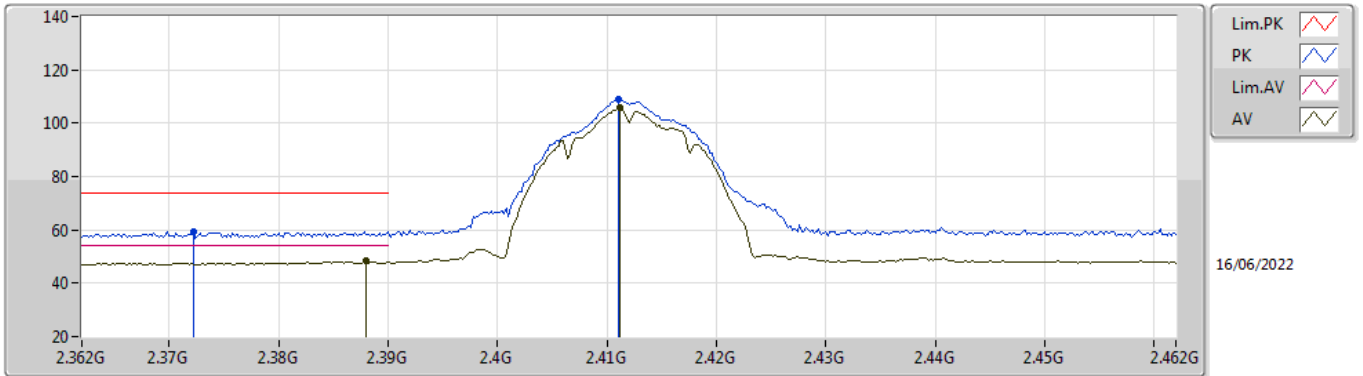


EUT_V_2TX
Setting 23.5
02-B-S-8

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	2.3868G	63.49	74.00	-10.51	32.33	3	Vertical	353	1.44	-	28.37	2.79	-
AV	2.3862G	53.74	54.00	-0.26	22.58	3	Vertical	353	1.44	-	28.37	2.79	-
PK	2.413G	123.44	Inf	-Inf	92.23	3	Vertical	353	1.44	-	28.40	2.81	-
AV	2.4128G	119.83	Inf	-Inf	88.62	3	Vertical	353	1.44	-	28.40	2.81	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

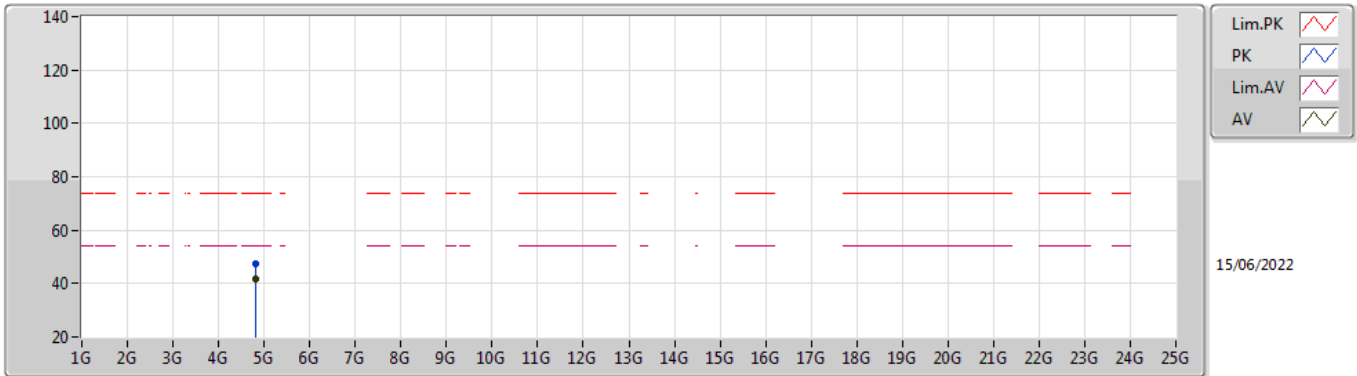


EUT_V_2TX
Setting 23.5
02-B-S-8

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	2.3722G	59.36	74.00	-14.64	28.23	3	Horizontal	149	1.74	-	28.34	2.79	-
AV	2.388G	48.43	54.00	-5.57	17.26	3	Horizontal	149	1.74	-	28.38	2.79	-
PK	2.411G	108.89	Inf	-Inf	77.68	3	Horizontal	149	1.74	-	28.40	2.81	-
AV	2.4112G	105.64	Inf	-Inf	74.43	3	Horizontal	149	1.74	-	28.40	2.81	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

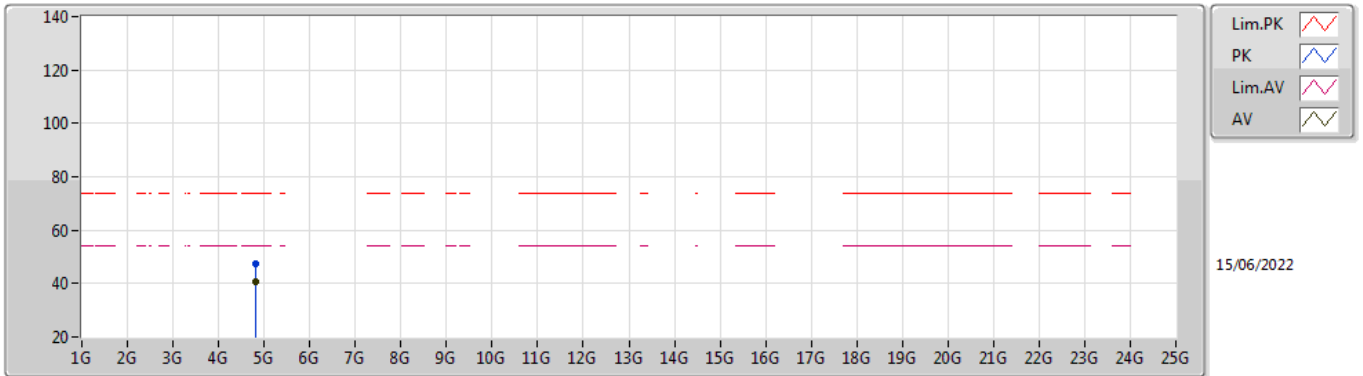


EUT Y_2TX
Setting 23.5
02-B-S-8

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	4.82424G	47.34	74.00	-26.66	41.51	3	Vertical	357	1.77	-	32.95	5.10	32.22
AV	4.82394G	41.72	54.00	-12.28	35.90	3	Vertical	357	1.77	-	32.94	5.10	32.22

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

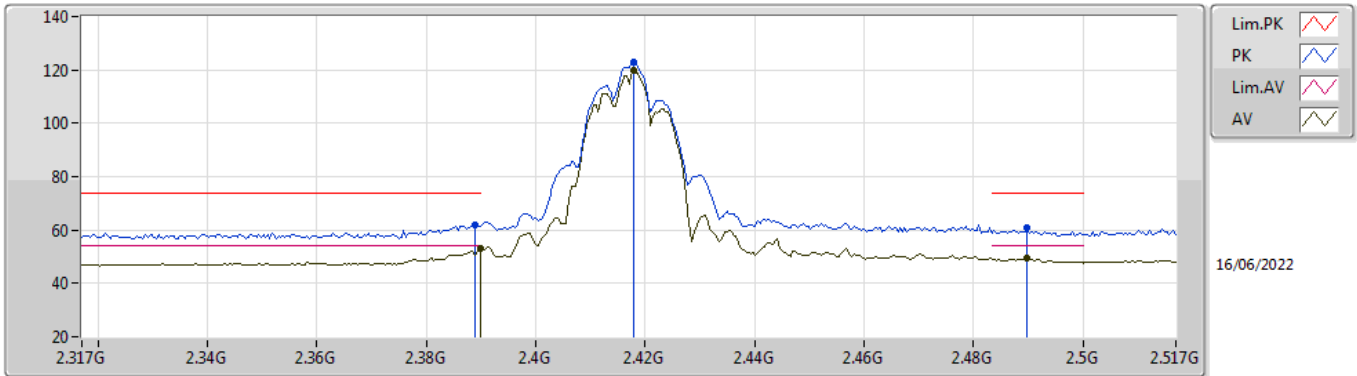


EUT Y_2TX
Setting 23.5
02-B-S-8

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	4.82406G	47.38	74.00	-26.62	41.56	3	Horizontal	353	1.76	-	32.94	5.10	32.22
AV	4.824G	40.81	54.00	-13.19	34.99	3	Horizontal	353	1.76	-	32.94	5.10	32.22

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

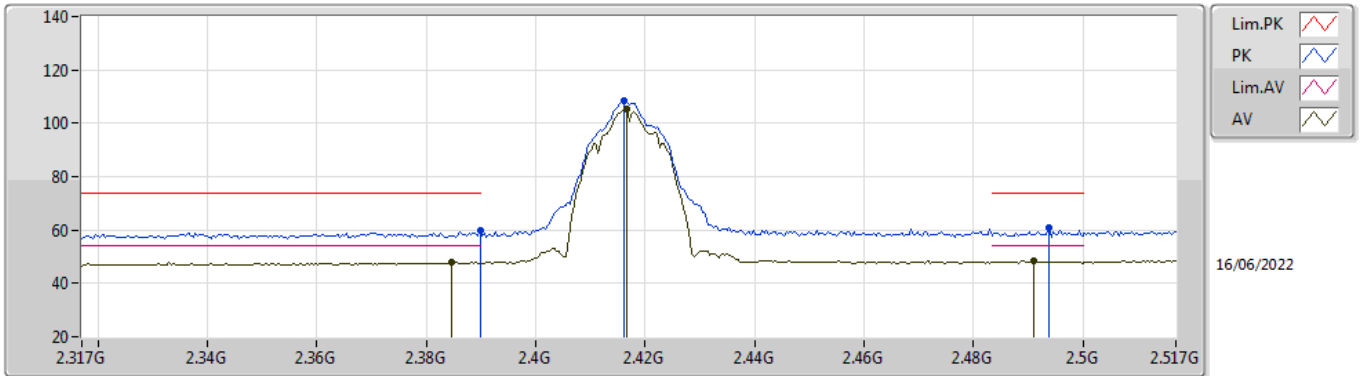


EUT_V_2TX
Setting 23.5
02-B-S-8

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	2.389G	61.81	74.00	-12.19	30.64	3	Vertical	355	1.45	-	28.38	2.79	-
AV	2.3898G	53.31	54.00	-0.69	22.14	3	Vertical	355	1.45	-	28.38	2.79	-
PK	2.4178G	123.00	Inf	-Inf	91.78	3	Vertical	355	1.45	-	28.40	2.82	-
AV	2.4178G	119.64	Inf	-Inf	88.42	3	Vertical	355	1.45	-	28.40	2.82	-
PK	2.4898G	60.83	74.00	-13.17	29.38	3	Vertical	355	1.45	-	28.56	2.89	-
AV	2.4898G	49.25	54.00	-4.75	17.80	3	Vertical	355	1.45	-	28.56	2.89	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

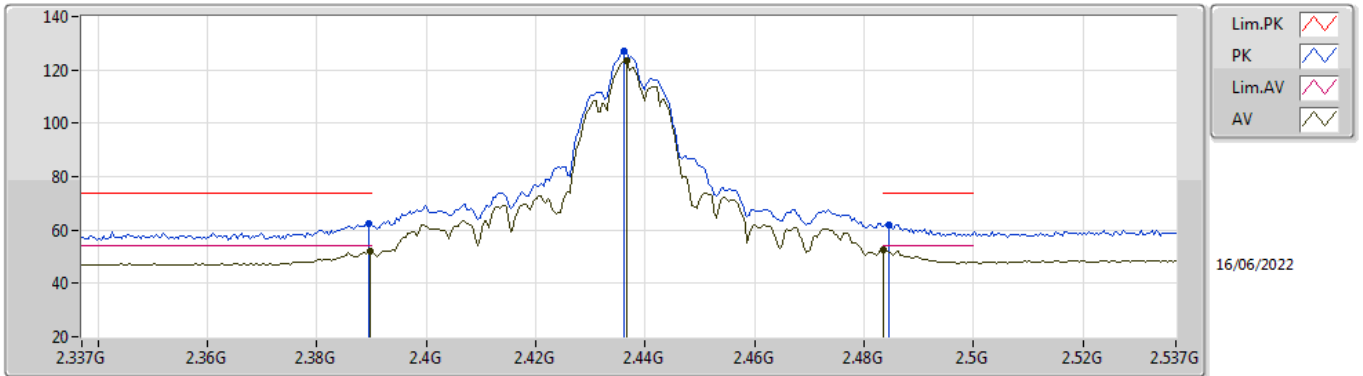


EUT V_2TX
Setting 23.5
02-B-S-8

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	2.3898G	59.70	74.00	-14.30	28.53	3	Horizontal	150	1.76	-	28.38	2.79	-
AV	2.3846G	47.86	54.00	-6.14	16.70	3	Horizontal	150	1.76	-	28.37	2.79	-
PK	2.4162G	108.68	Inf	-Inf	77.46	3	Horizontal	150	1.76	-	28.40	2.82	-
AV	2.4166G	105.51	Inf	-Inf	74.29	3	Horizontal	150	1.76	-	28.40	2.82	-
PK	2.4938G	61.11	74.00	-12.89	29.64	3	Horizontal	150	1.76	-	28.58	2.89	-
AV	2.491G	48.40	54.00	-5.60	16.95	3	Horizontal	150	1.76	-	28.56	2.89	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

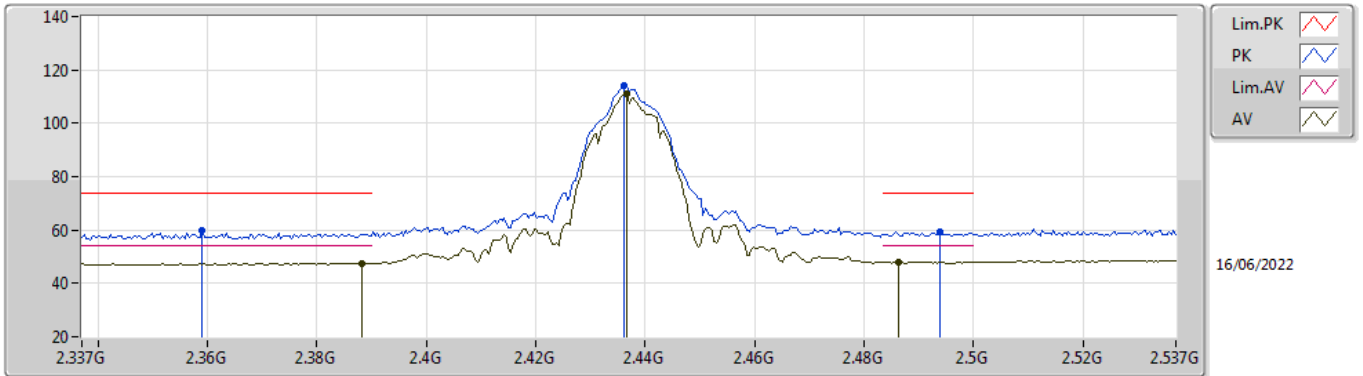


EUT V_2TX
Setting 28.5
02-B-S-8

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	62.44	74.00	-11.56	31.27	3	Vertical	4	1.36	-	28.38	2.79	-
AV	2.3898G	52.14	54.00	-1.86	20.97	3	Vertical	4	1.36	-	28.38	2.79	-
PK	2.4362G	126.85	Inf	-Inf	95.61	3	Vertical	4	1.36	-	28.40	2.84	-
AV	2.4366G	123.55	Inf	-Inf	92.31	3	Vertical	4	1.36	-	28.40	2.84	-
PK	2.4846G	62.13	74.00	-11.87	30.71	3	Vertical	4	1.36	-	28.54	2.88	-
AV	2.4835G	52.64	54.00	-1.36	21.23	3	Vertical	4	1.36	-	28.53	2.88	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

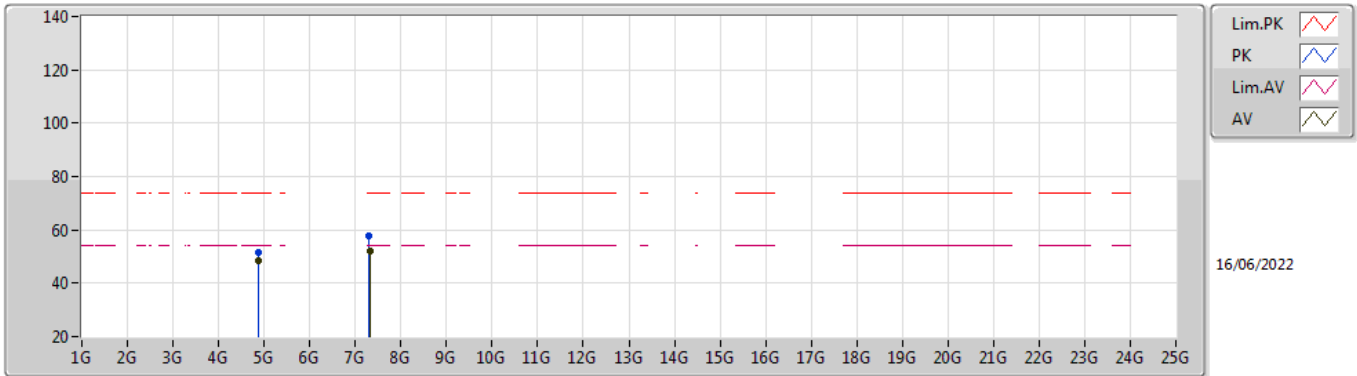


EUT_V_2TX
Setting 28.5
02-B-S-8

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	2.359G	59.69	74.00	-14.31	28.59	3	Horizontal	151	1.74	-	28.32	2.78	-
AV	2.3882G	47.59	54.00	-6.41	16.42	3	Horizontal	151	1.74	-	28.38	2.79	-
PK	2.4362G	114.09	Inf	-Inf	82.85	3	Horizontal	151	1.74	-	28.40	2.84	-
AV	2.4366G	110.86	Inf	-Inf	79.62	3	Horizontal	151	1.74	-	28.40	2.84	-
PK	2.4938G	59.34	74.00	-14.66	27.87	3	Horizontal	151	1.74	-	28.58	2.89	-
AV	2.4862G	48.16	54.00	-5.84	16.73	3	Horizontal	151	1.74	-	28.54	2.89	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

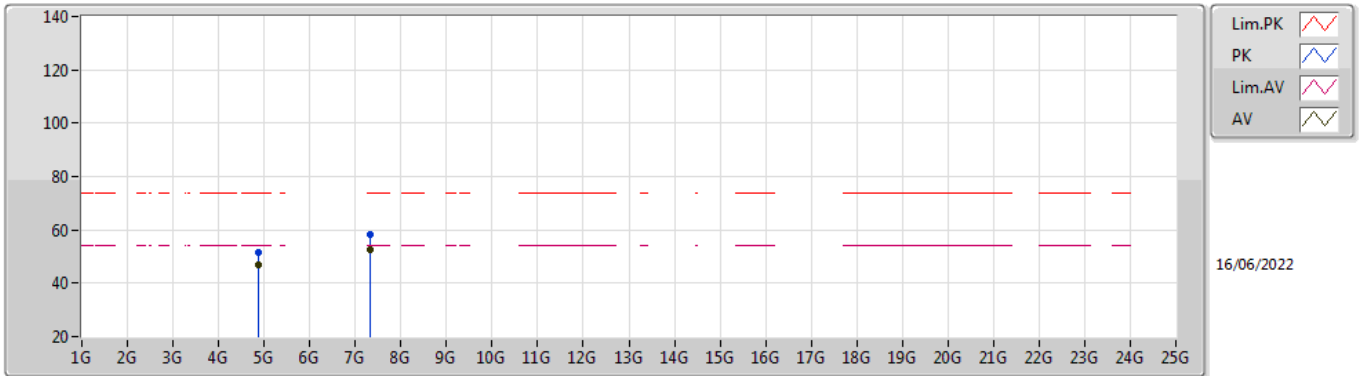


EUT Y_2TX
Setting 28.5
02-B-S-8

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	4.874G	51.62	74.00	-22.38	45.58	3	Vertical	344	1.79	-	33.15	5.10	32.21
AV	4.87388G	48.26	54.00	-5.74	42.22	3	Vertical	344	1.79	-	33.15	5.10	32.21
PK	7.30944G	57.53	74.00	-16.47	47.78	3	Vertical	321	1.92	-	36.42	6.15	32.82
AV	7.31328G	51.86	54.00	-2.14	42.10	3	Vertical	321	1.92	-	36.43	6.16	32.83

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

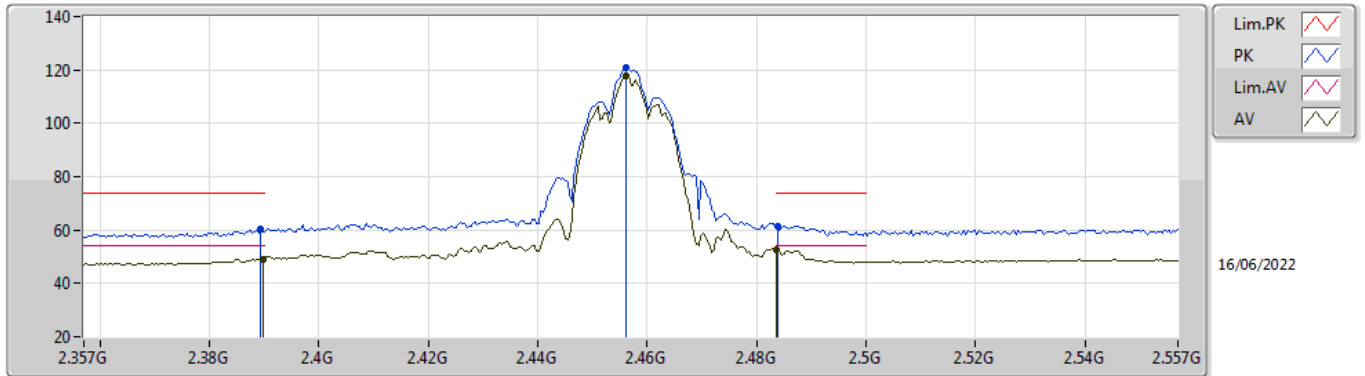


EUT Y_2TX
Setting 28.5
02-B-S-8

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	4.874G	51.43	74.00	-22.57	45.39	3	Horizontal	0	2.48	-	33.15	5.10	32.21
AV	4.874G	47.06	54.00	-6.94	41.02	3	Horizontal	0	2.48	-	33.15	5.10	32.21
PK	7.31304G	58.04	74.00	-15.96	48.27	3	Horizontal	35	2.38	-	36.43	6.16	32.82
AV	7.31268G	52.64	54.00	-1.36	42.87	3	Horizontal	35	2.38	-	36.43	6.16	32.82

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

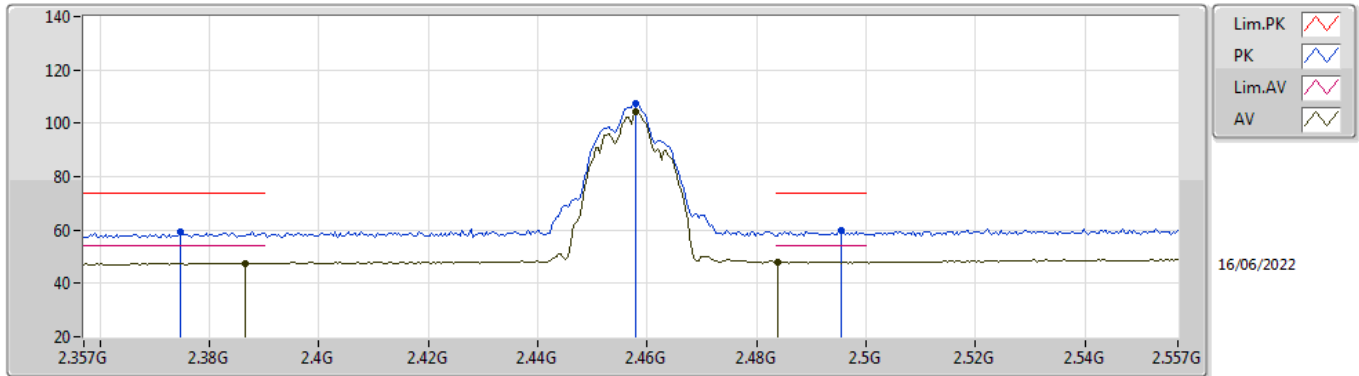


EUT_Z_2TX
Setting 23
02-B-S-8

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	60.21	74.00	-13.79	29.04	3	Vertical	311	1.37	-	28.38	2.79	-
AV	2.3898G	49.21	54.00	-4.79	18.04	3	Vertical	311	1.37	-	28.38	2.79	-
PK	2.4562G	120.93	Inf	-Inf	89.65	3	Vertical	311	1.37	-	28.42	2.86	-
AV	2.4562G	117.64	Inf	-Inf	86.36	3	Vertical	311	1.37	-	28.42	2.86	-
PK	2.4838G	61.33	74.00	-12.67	29.91	3	Vertical	311	1.37	-	28.54	2.88	-
AV	2.4835G	52.82	54.00	-1.18	21.41	3	Vertical	311	1.37	-	28.53	2.88	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

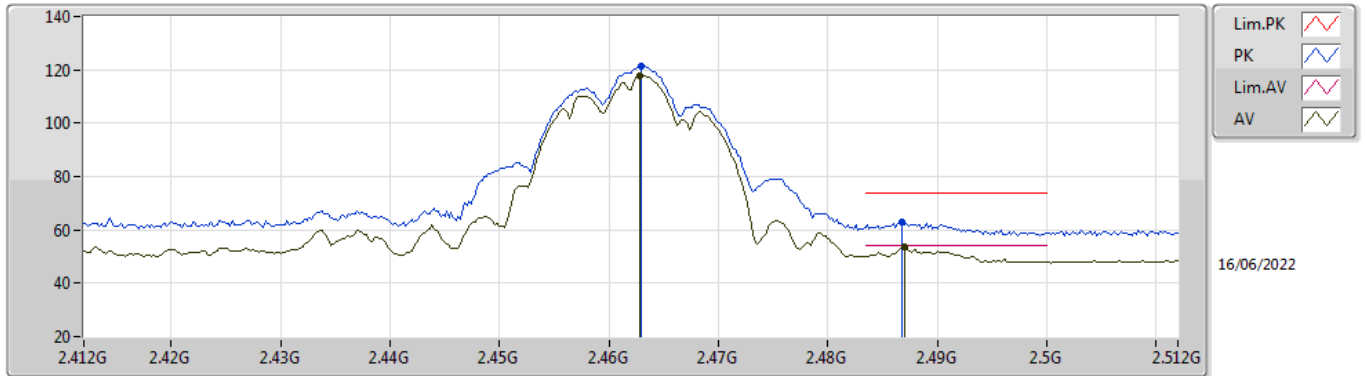


EUT_Z_2TX
Setting 23
02-B-S-8

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	2.3746G	59.30	74.00	-14.70	28.16	3	Horizontal	197	1.77	-	28.35	2.79	-
AV	2.3866G	47.65	54.00	-6.35	16.49	3	Horizontal	197	1.77	-	28.37	2.79	-
PK	2.4578G	107.60	Inf	-Inf	76.31	3	Horizontal	197	1.77	-	28.43	2.86	-
AV	2.4578G	104.32	Inf	-Inf	73.03	3	Horizontal	197	1.77	-	28.43	2.86	-
PK	2.4954G	59.73	74.00	-14.27	28.25	3	Horizontal	197	1.77	-	28.58	2.90	-
AV	2.4838G	48.15	54.00	-5.85	16.73	3	Horizontal	197	1.77	-	28.54	2.88	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

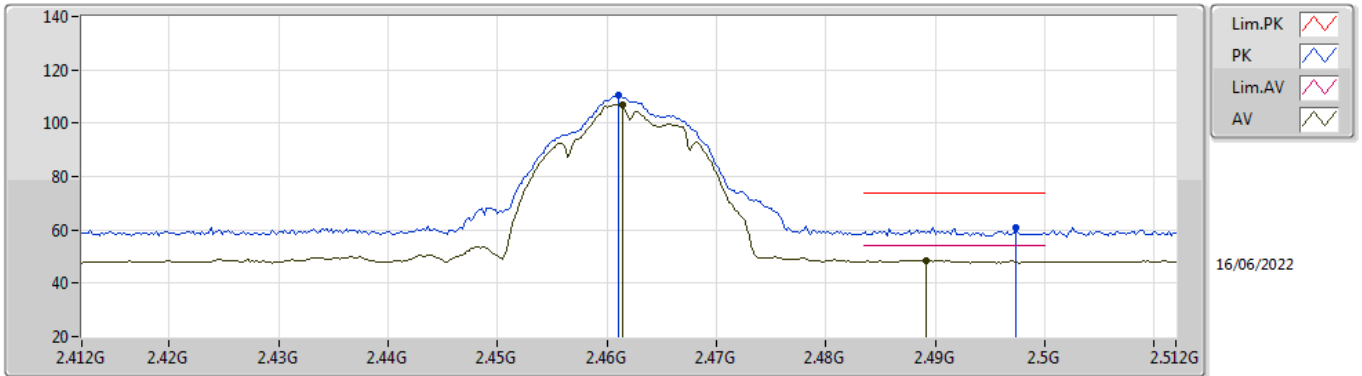


EUT_V_2TX
Setting 23.5
02-B-S-8

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	121.61	Inf	-Inf	90.30	3	Vertical	352	1.61	-	28.45	2.86	-
AV	2.4628G	117.91	Inf	-Inf	86.60	3	Vertical	352	1.61	-	28.45	2.86	-
PK	2.4868G	63.06	74.00	-10.94	31.62	3	Vertical	352	1.61	-	28.55	2.89	-
AV	2.487G	53.65	54.00	-0.35	22.21	3	Vertical	352	1.61	-	28.55	2.89	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

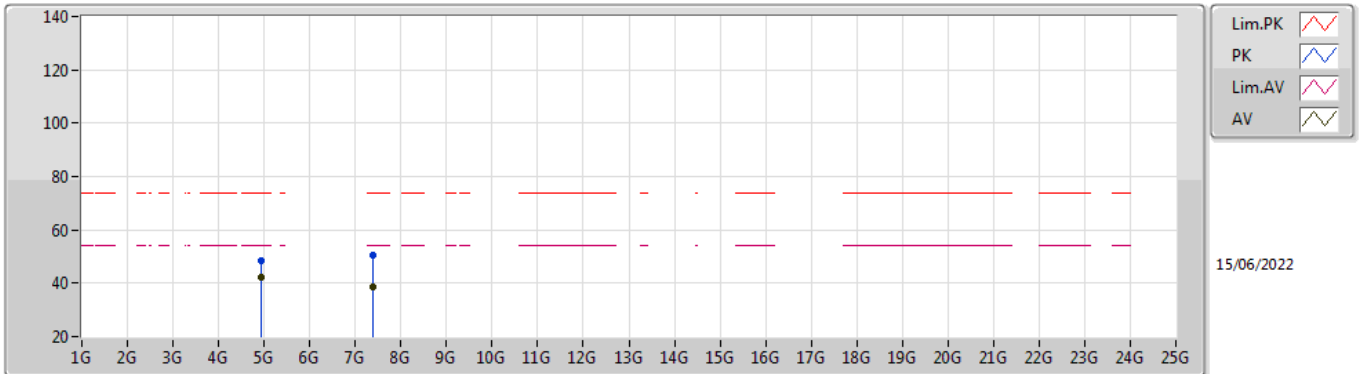


EUT V_2TX
Setting 23.5
02-B-S-8

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	2.461G	110.56	Inf	-Inf	79.26	3	Horizontal	136	1.90	-	28.44	2.86	-
AV	2.4614G	107.10	Inf	-Inf	75.79	3	Horizontal	136	1.90	-	28.45	2.86	-
PK	2.4974G	60.64	74.00	-13.36	29.15	3	Horizontal	136	1.90	-	28.59	2.90	-
AV	2.4892G	48.68	54.00	-5.32	17.23	3	Horizontal	136	1.90	-	28.56	2.89	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

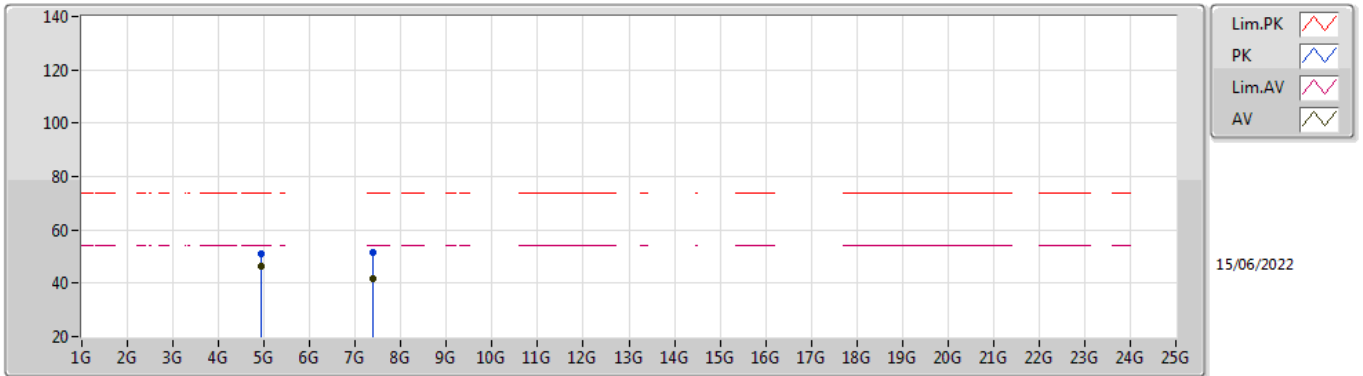


EUT Y_2TX
Setting 23.5
02-B-S-8

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	4.92394G	48.32	74.00	-25.68	42.16	3	Vertical	350	1.80	-	33.25	5.10	32.19
AV	4.924G	42.03	54.00	-11.97	35.87	3	Vertical	350	1.80	-	33.25	5.10	32.19
PK	7.38504G	50.76	74.00	-23.24	41.02	3	Vertical	329	2.92	-	36.50	6.19	32.95
AV	7.38498G	38.75	54.00	-15.25	29.01	3	Vertical	329	2.92	-	36.50	6.19	32.95

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

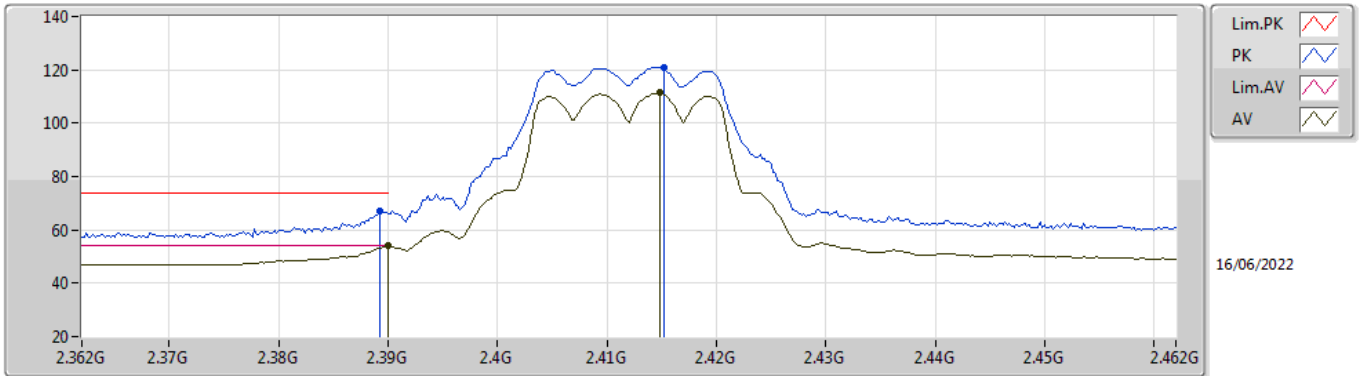


EUT Y_2TX
Setting 23.5
02-B-S-8

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	4.92394G	50.83	74.00	-23.17	44.67	3	Horizontal	355	1.73	-	33.25	5.10	32.19
AV	4.92394G	46.56	54.00	-7.44	40.40	3	Horizontal	355	1.73	-	33.25	5.10	32.19
PK	7.38516G	51.56	74.00	-22.44	41.82	3	Horizontal	37	1.71	-	36.50	6.19	32.95
AV	7.38522G	41.93	54.00	-12.07	32.19	3	Horizontal	37	1.71	-	36.50	6.19	32.95

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

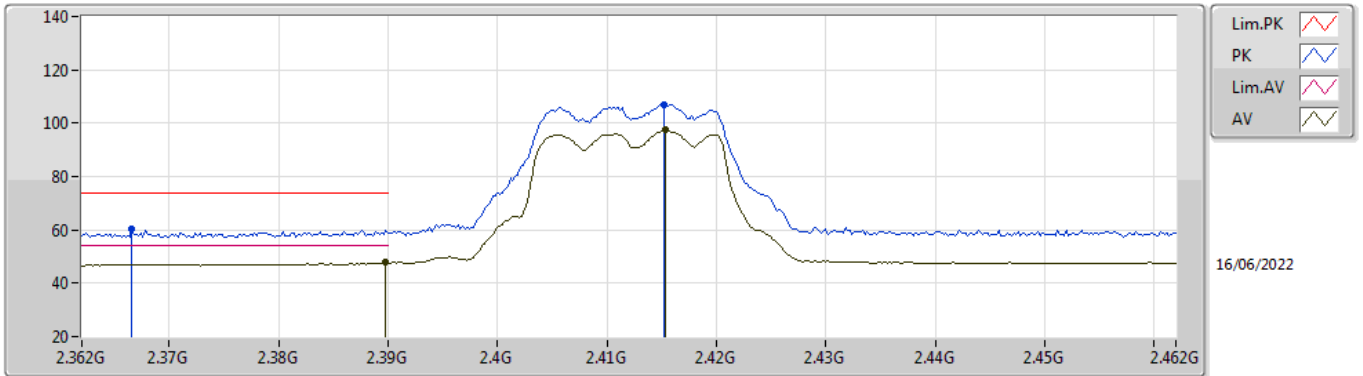


EUT_V_2TX
Setting 20.5
02-B-S-8

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	67.15	74.00	-6.85	35.98	3	Vertical	0	1.40	-	28.38	2.79	-
AV	2.39G	53.92	54.00	-0.08	22.75	3	Vertical	0	1.40	-	28.38	2.79	-
PK	2.4152G	120.82	Inf	-Inf	89.60	3	Vertical	0	1.40	-	28.40	2.82	-
AV	2.4148G	111.43	Inf	-Inf	80.22	3	Vertical	0	1.40	-	28.40	2.81	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

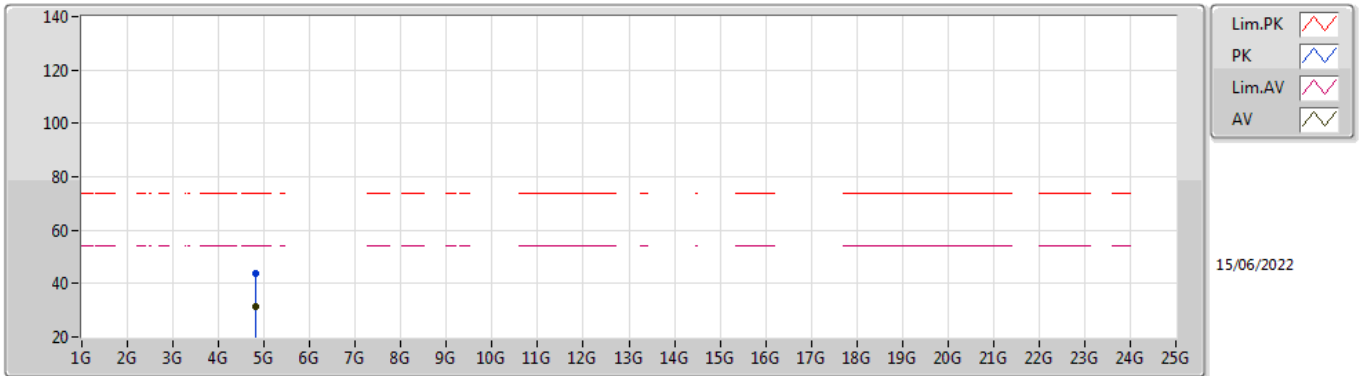


EUT_V_2TX
Setting 20.5
02-B-S-8

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	2.3666G	60.58	74.00	-13.42	29.47	3	Horizontal	138	1.99	-	28.33	2.78	-
AV	2.3898G	47.71	54.00	-6.29	16.54	3	Horizontal	138	1.99	-	28.38	2.79	-
PK	2.4152G	107.15	Inf	-Inf	75.93	3	Horizontal	138	1.99	-	28.40	2.82	-
AV	2.4154G	97.43	Inf	-Inf	66.21	3	Horizontal	138	1.99	-	28.40	2.82	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

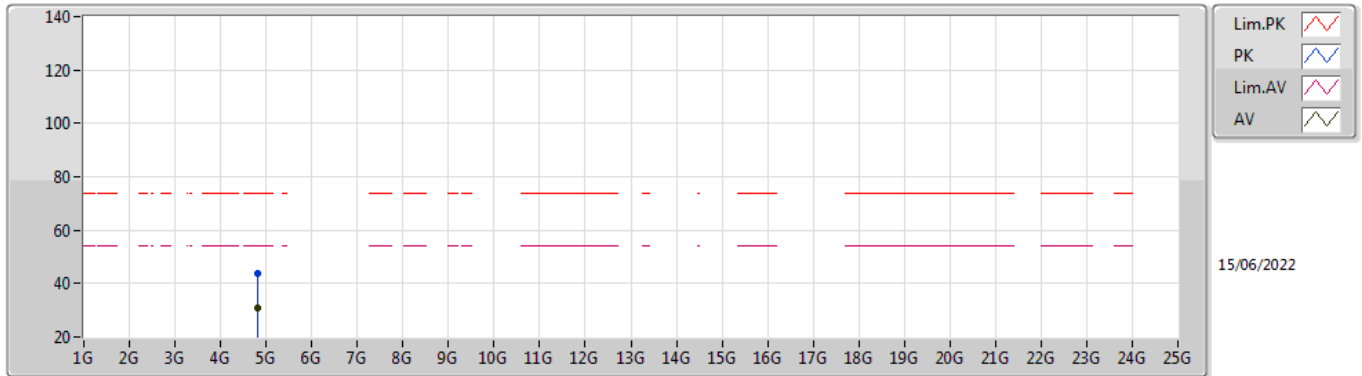


EUT Y_2TX
Setting 20.5
02-B-S-8

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	4.82424G	44.03	74.00	-29.97	38.20	3	Vertical	168	1.10	-	32.95	5.10	32.22
AV	4.82442G	31.41	54.00	-22.59	25.58	3	Vertical	168	1.10	-	32.95	5.10	32.22

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

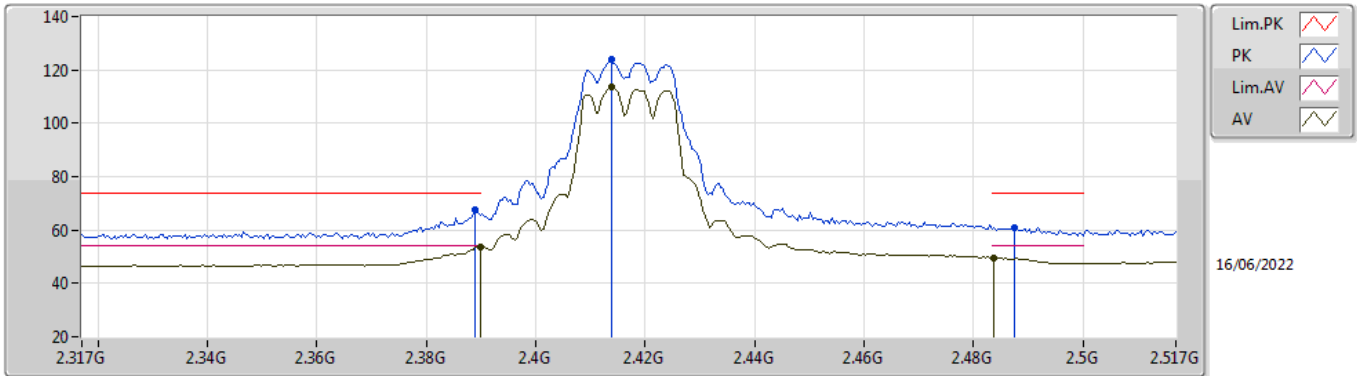


EUT Y_2TX
Setting 20.5
02-B-S-8

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	4.81104G	43.84	74.00	-30.16	38.10	3	Horizontal	45	2.86	-	32.87	5.10	32.23
AV	4.82472G	30.97	54.00	-23.03	25.14	3	Horizontal	45	2.86	-	32.95	5.10	32.22

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

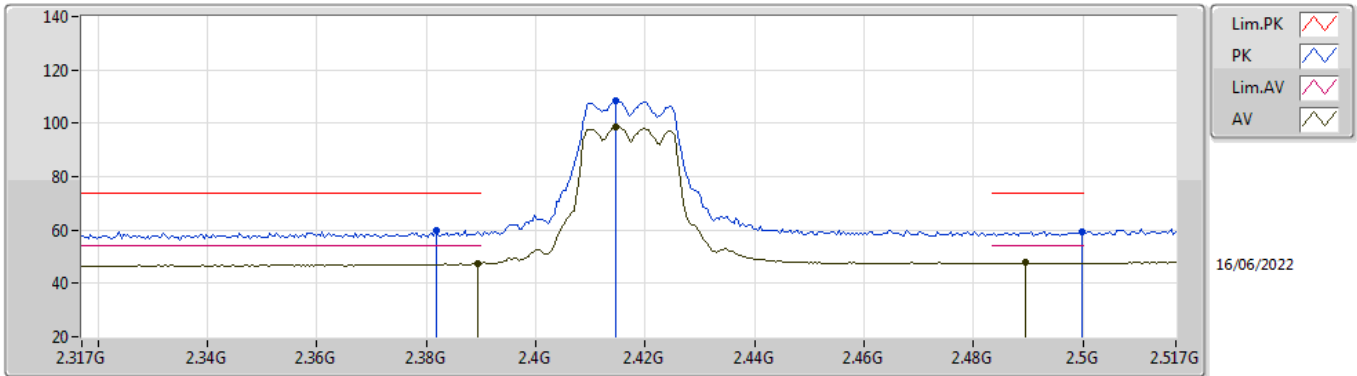


EUT V_2TX
Setting 22.5
02-B-S-8

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	2.389G	67.63	74.00	-6.37	36.46	3	Vertical	352	1.44	-	28.38	2.79	-
AV	2.3898G	53.87	54.00	-0.13	22.70	3	Vertical	352	1.44	-	28.38	2.79	-
PK	2.4138G	123.81	Inf	-Inf	92.60	3	Vertical	352	1.44	-	28.40	2.81	-
AV	2.4138G	113.44	Inf	-Inf	82.23	3	Vertical	352	1.44	-	28.40	2.81	-
PK	2.4874G	61.12	74.00	-12.88	29.68	3	Vertical	352	1.44	-	28.55	2.89	-
AV	2.4838G	49.48	54.00	-4.52	18.06	3	Vertical	352	1.44	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

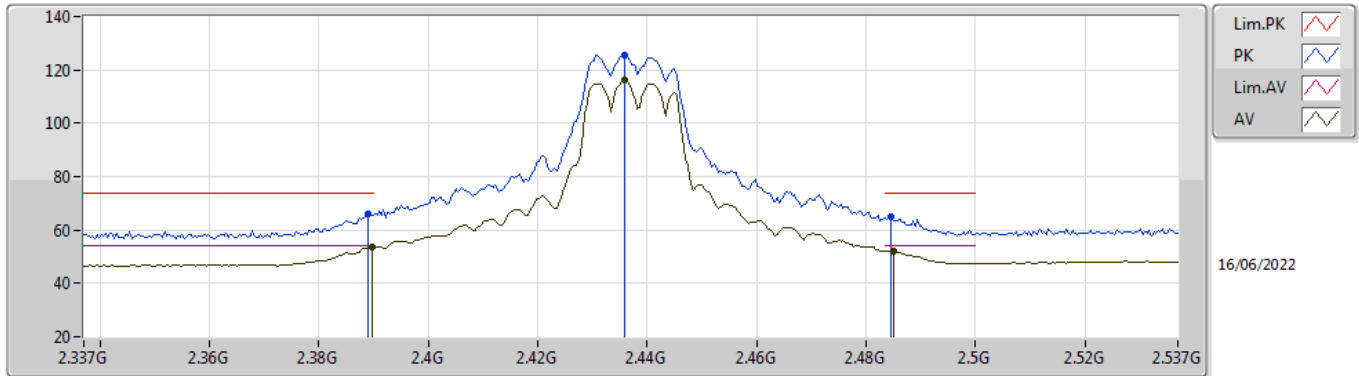


EUT_V_2TX
Setting 22.5
02-B-S-8

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	2.3818G	59.65	74.00	-14.35	28.50	3	Horizontal	148	1.73	-	28.36	2.79	-
AV	2.3894G	47.43	54.00	-6.57	16.26	3	Horizontal	148	1.73	-	28.38	2.79	-
PK	2.4146G	108.61	Inf	-Inf	77.40	3	Horizontal	148	1.73	-	28.40	2.81	-
AV	2.4146G	98.74	Inf	-Inf	67.53	3	Horizontal	148	1.73	-	28.40	2.81	-
PK	2.4998G	59.16	74.00	-14.84	27.66	3	Horizontal	148	1.73	-	28.60	2.90	-
AV	2.4894G	47.68	54.00	-6.32	16.23	3	Horizontal	148	1.73	-	28.56	2.89	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

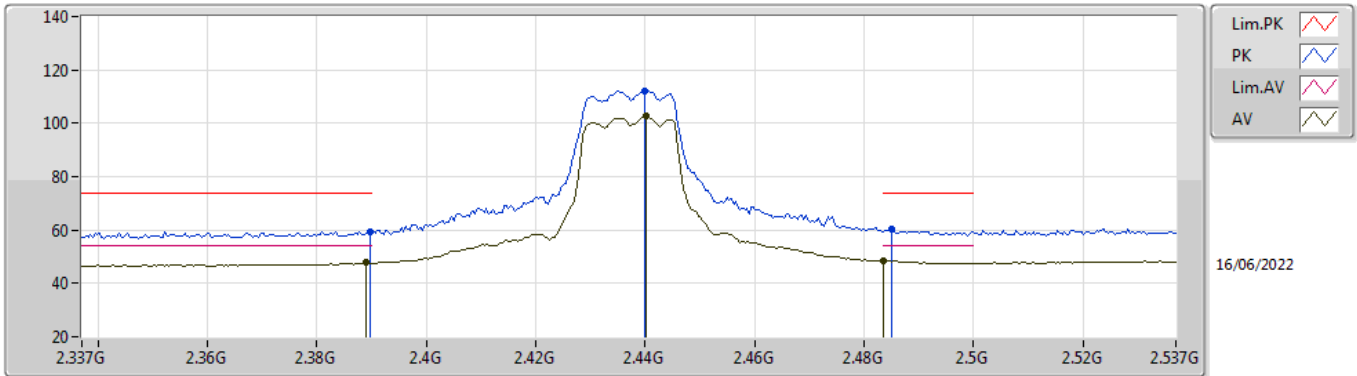


EUT V_2TX
Setting 26
02-B-S-8

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	2.389G	65.88	74.00	-8.12	34.71	3	Vertical	322	1.41	-	28.38	2.79	-
AV	2.3898G	53.76	54.00	-0.24	22.59	3	Vertical	322	1.41	-	28.38	2.79	-
PK	2.4358G	125.75	Inf	-Inf	94.51	3	Vertical	322	1.41	-	28.40	2.84	-
AV	2.4358G	115.96	Inf	-Inf	84.72	3	Vertical	322	1.41	-	28.40	2.84	-
PK	2.4846G	64.94	74.00	-9.06	33.52	3	Vertical	322	1.41	-	28.54	2.88	-
AV	2.485G	52.08	54.00	-1.92	20.65	3	Vertical	322	1.41	-	28.54	2.89	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

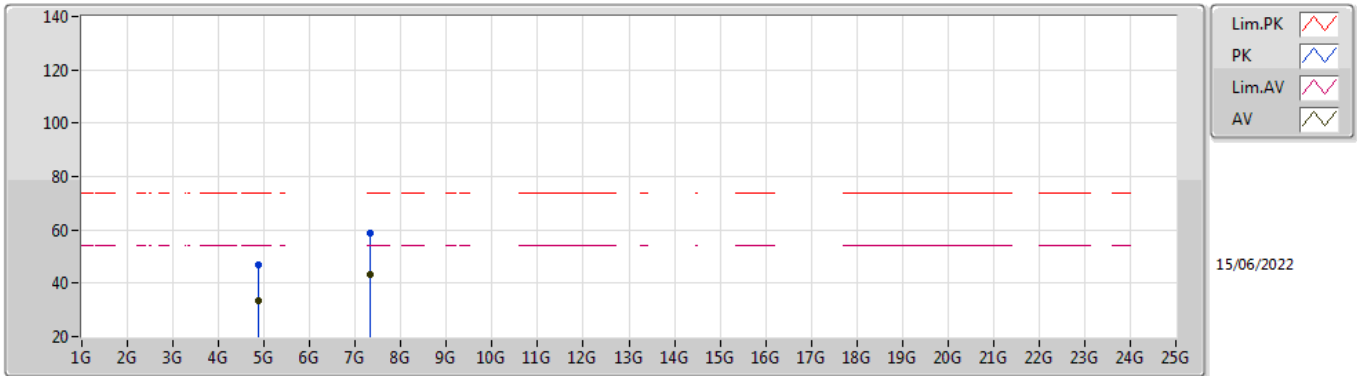


EUT_V_2TX
Setting 26
02-B-S-8

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	2.3898G	59.51	74.00	-14.49	28.34	3	Horizontal	136	1.70	-	28.38	2.79	-
AV	2.389G	47.80	54.00	-6.20	16.63	3	Horizontal	136	1.70	-	28.38	2.79	-
PK	2.4398G	112.18	Inf	-Inf	80.94	3	Horizontal	136	1.70	-	28.40	2.84	-
AV	2.4402G	102.59	Inf	-Inf	71.35	3	Horizontal	136	1.70	-	28.40	2.84	-
PK	2.485G	60.09	74.00	-13.91	28.66	3	Horizontal	136	1.70	-	28.54	2.89	-
AV	2.4835G	48.46	54.00	-5.54	17.05	3	Horizontal	136	1.70	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

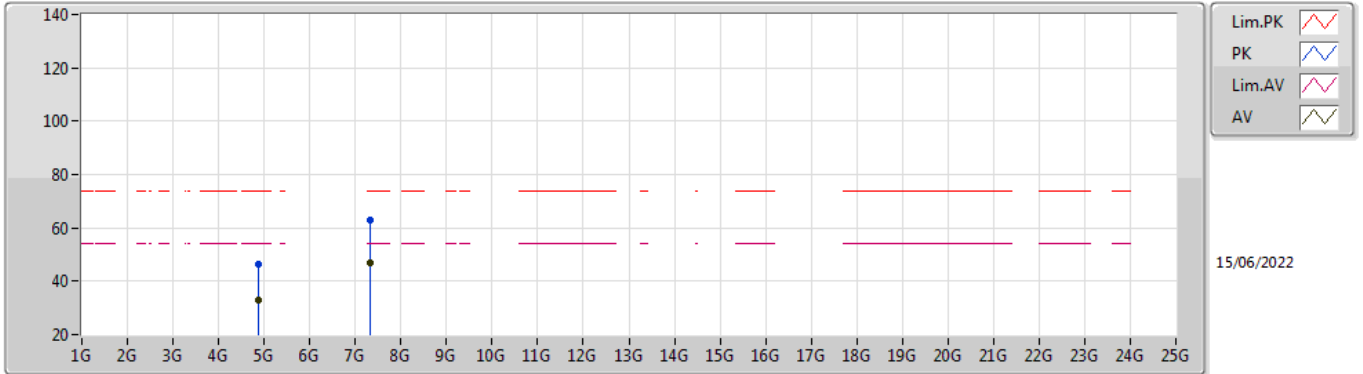


EUT Y_2TX
Setting 26
02-B-S-8

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	4.86842G	47.02	74.00	-26.98	40.99	3	Vertical	127	1.68	-	33.14	5.10	32.21
AV	4.8674G	33.39	54.00	-20.61	27.37	3	Vertical	127	1.68	-	33.13	5.10	32.21
PK	7.31334G	58.65	74.00	-15.35	48.89	3	Vertical	327	2.87	-	36.43	6.16	32.83
AV	7.3131G	43.09	54.00	-10.91	33.32	3	Vertical	327	2.87	-	36.43	6.16	32.82

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

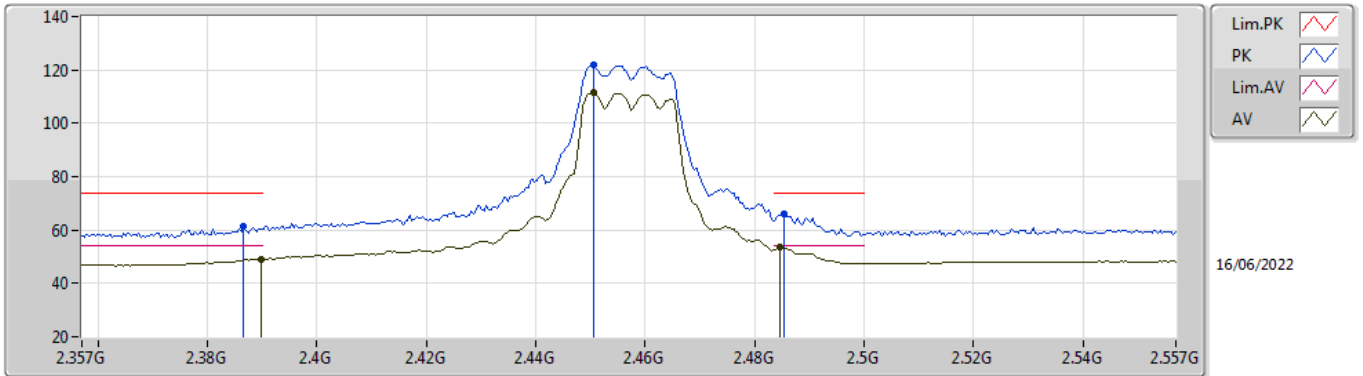


EUT Y_2TX
Setting 26
02-B-S-8

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	4.86836G	46.36	74.00	-27.64	40.33	3	Horizontal	4	2.52	-	33.14	5.10	32.21
AV	4.87418G	32.74	54.00	-21.26	26.70	3	Horizontal	4	2.52	-	33.15	5.10	32.21
PK	7.31298G	62.70	74.00	-11.30	52.93	3	Horizontal	47	1.53	-	36.43	6.16	32.82
AV	7.3131G	46.78	54.00	-7.22	37.01	3	Horizontal	47	1.53	-	36.43	6.16	32.82

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

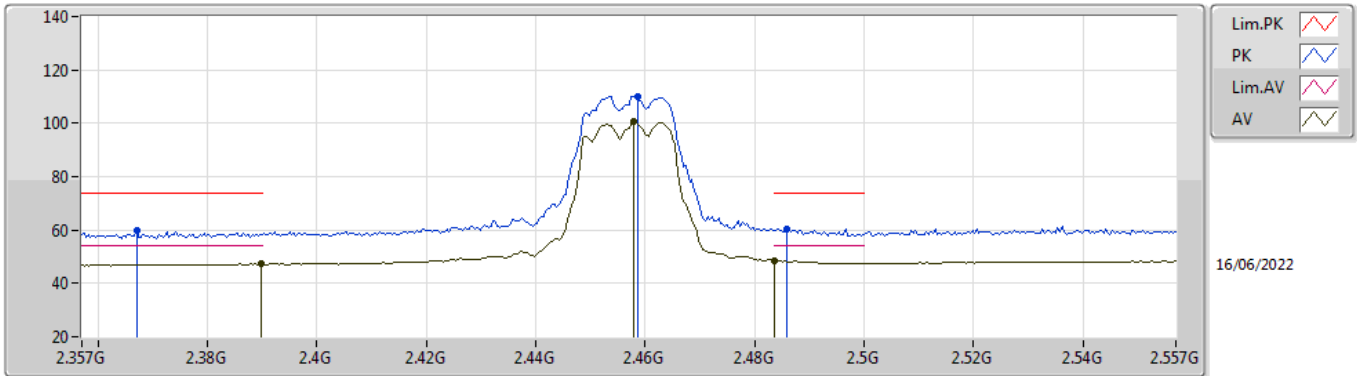


EUT_V_2TX
Setting 23
02-B-S-8

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	2.3866G	61.26	74.00	-12.74	30.10	3	Vertical	249	1.72	-	28.37	2.79	-
AV	2.3898G	49.04	54.00	-4.96	17.87	3	Vertical	249	1.72	-	28.38	2.79	-
PK	2.4506G	122.00	Inf	-Inf	90.75	3	Vertical	249	1.72	-	28.40	2.85	-
AV	2.4506G	111.30	Inf	-Inf	80.05	3	Vertical	249	1.72	-	28.40	2.85	-
PK	2.4854G	66.18	74.00	-7.82	34.75	3	Vertical	249	1.72	-	28.54	2.89	-
AV	2.4846G	53.49	54.00	-0.51	22.07	3	Vertical	249	1.72	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

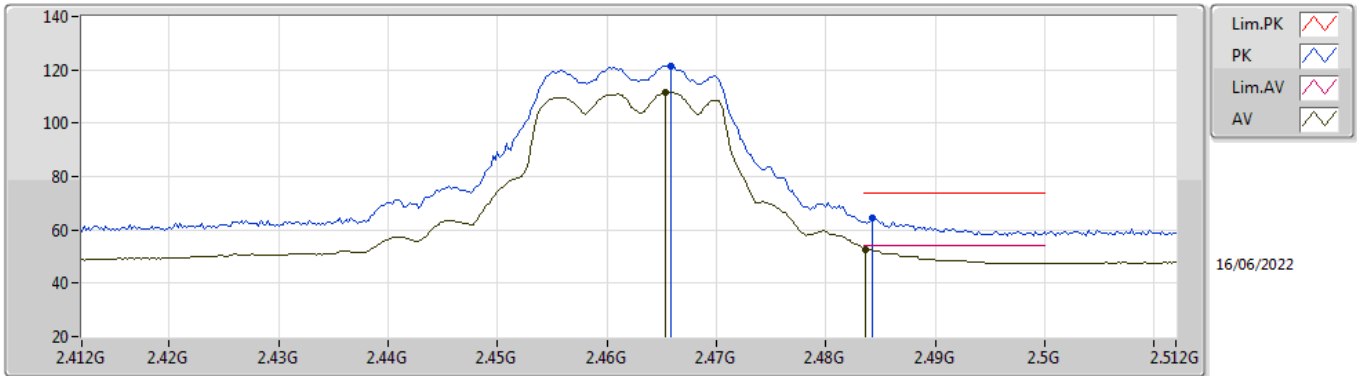


EUT_V_2TX
Setting 23
02-B-S-8

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	2.367G	59.77	74.00	-14.23	28.66	3	Horizontal	136	1.91	-	28.33	2.78	-
AV	2.3898G	47.29	54.00	-6.71	16.12	3	Horizontal	136	1.91	-	28.38	2.79	-
PK	2.4586G	110.24	Inf	-Inf	78.95	3	Horizontal	136	1.91	-	28.43	2.86	-
AV	2.4578G	100.45	Inf	-Inf	69.16	3	Horizontal	136	1.91	-	28.43	2.86	-
PK	2.4858G	60.60	74.00	-13.40	29.17	3	Horizontal	136	1.91	-	28.54	2.89	-
AV	2.4835G	48.57	54.00	-5.43	17.16	3	Horizontal	136	1.91	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

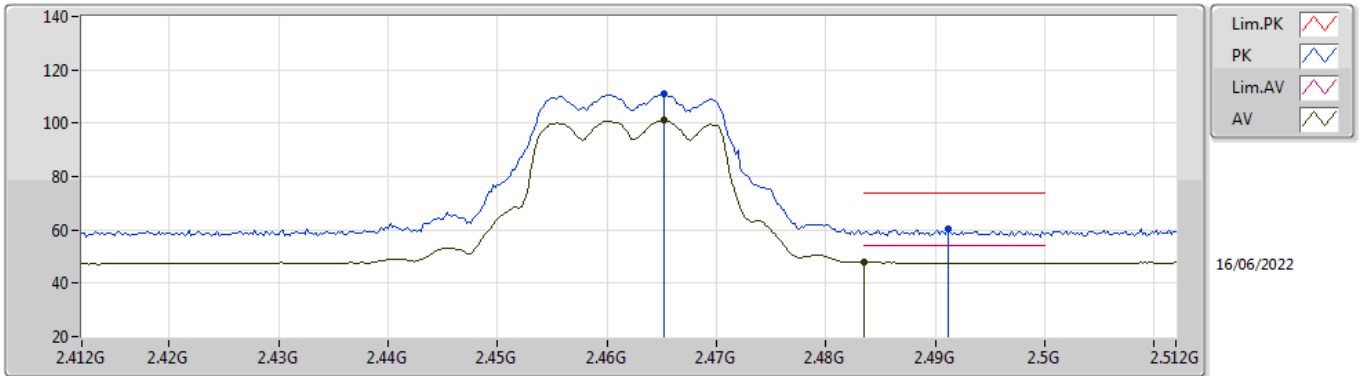


EUT Y_2TX
Setting 22.5
02-B-S-8

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)
AV	2.4654G	111.78	Inf	-Inf	80.45	3	Vertical	78	1.50	-	28.46	2.87	-
PK	2.4658G	121.59	Inf	-Inf	90.26	3	Vertical	78	1.50	-	28.46	2.87	-
AV	2.4836G	52.78	54.00	-1.22	21.37	3	Vertical	78	1.50	-	28.53	2.88	-
PK	2.4842G	64.48	74.00	-9.52	33.06	3	Vertical	78	1.50	-	28.54	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

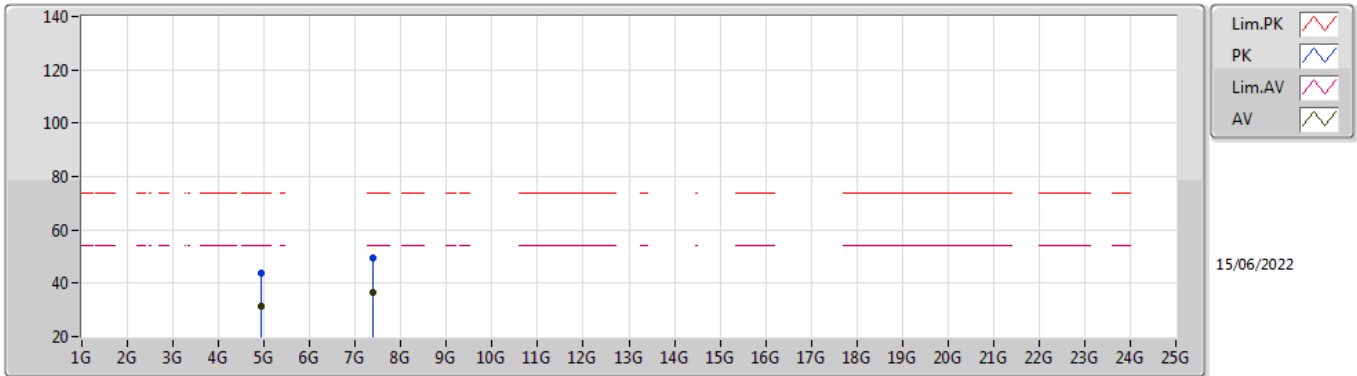


EUT V_2TX
Setting 22.5
02-B-S-8

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	2.4652G	110.91	Inf	-Inf	79.58	3	Horizontal	140	2.54	-	28.46	2.87	-
AV	2.4652G	101.11	Inf	-Inf	69.78	3	Horizontal	140	2.54	-	28.46	2.87	-
PK	2.4912G	60.43	74.00	-13.57	28.98	3	Horizontal	140	2.54	-	28.56	2.89	-
AV	2.4835G	47.98	54.00	-6.02	16.57	3	Horizontal	140	2.54	-	28.53	2.88	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

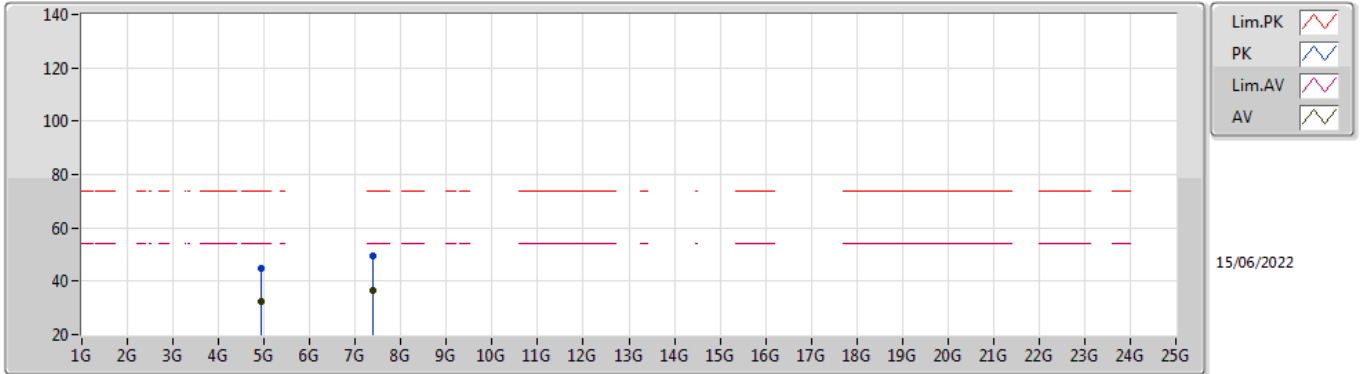


EUT Y_2TX
Setting 22.5
02-B-S-8

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	4.92316G	43.59	74.00	-30.41	37.43	3	Vertical	94	1.96	-	33.25	5.10	32.19
AV	4.92772G	31.29	54.00	-22.71	25.12	3	Vertical	94	1.96	-	33.26	5.10	32.19
PK	7.37688G	49.36	74.00	-24.64	39.61	3	Vertical	221	3.00	-	36.50	6.19	32.94
AV	7.37706G	36.64	54.00	-17.36	26.89	3	Vertical	221	3.00	-	36.50	6.19	32.94

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

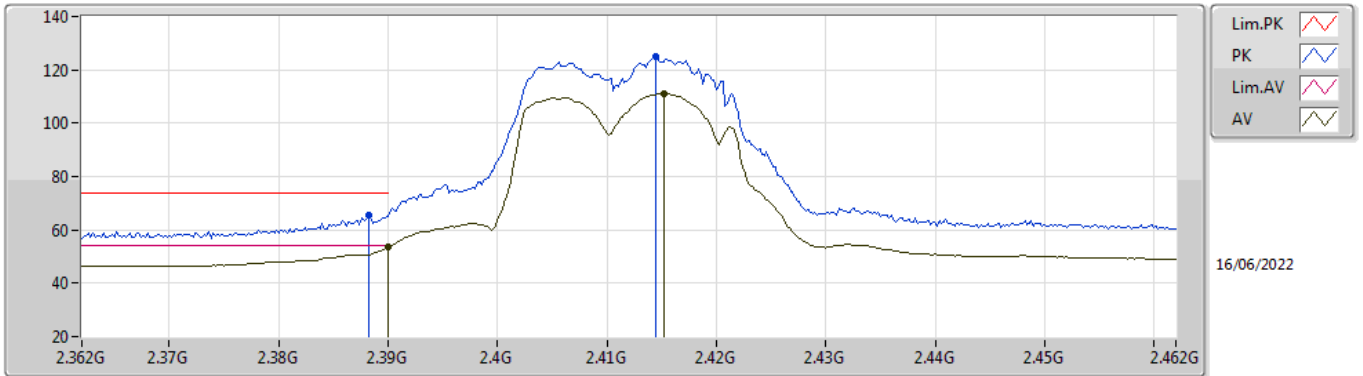


EUT Y_2TX
Setting 22.5
02-B-S-8

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	4.92388G	44.69	74.00	-29.31	38.53	3	Horizontal	211	2.66	-	33.25	5.10	32.19
AV	4.92412G	32.36	54.00	-21.64	26.20	3	Horizontal	211	2.66	-	33.25	5.10	32.19
PK	7.37472G	49.38	74.00	-24.62	39.62	3	Horizontal	64	2.59	-	36.50	6.19	32.93
AV	7.3713G	36.77	54.00	-17.23	27.01	3	Horizontal	64	2.59	-	36.50	6.19	32.93

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

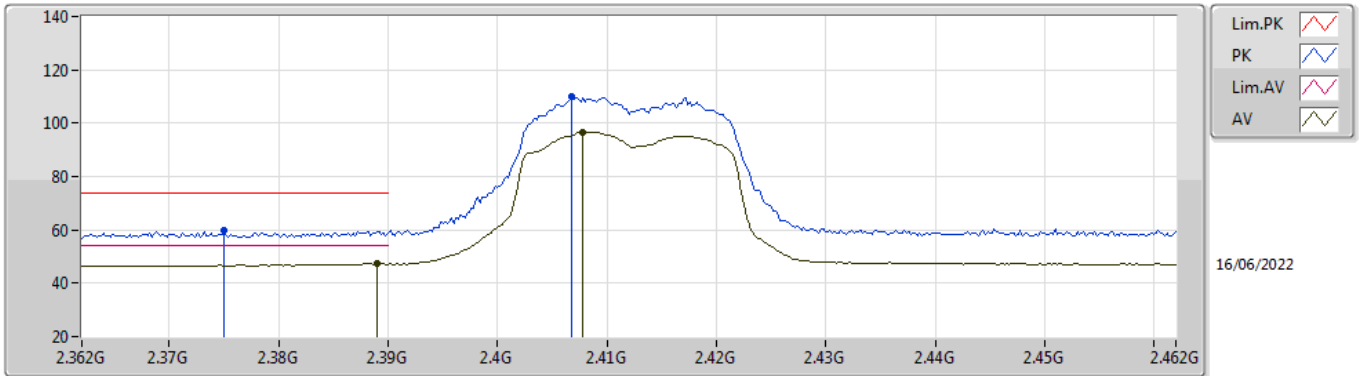


EUT Y_2TX
Setting 21
02-B-S-8

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	2.3882G	65.50	74.00	-8.50	34.33	3	Vertical	350	1.41	-	28.38	2.79	-
AV	2.39G	53.49	54.00	-0.51	22.32	3	Vertical	350	1.41	-	28.38	2.79	-
PK	2.4144G	124.95	Inf	-Inf	93.74	3	Vertical	350	1.41	-	28.40	2.81	-
AV	2.4152G	111.28	Inf	-Inf	80.06	3	Vertical	350	1.41	-	28.40	2.82	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

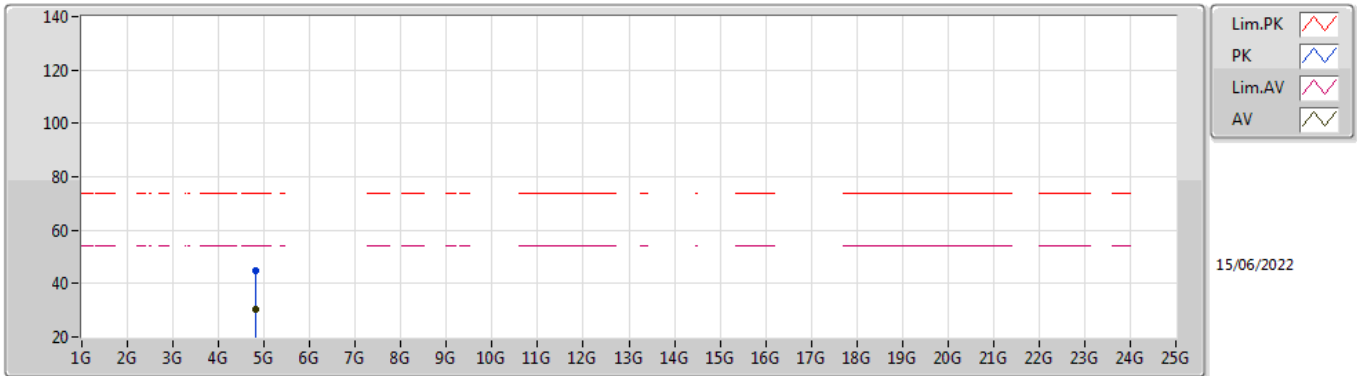


EUT Y_2TX
Setting 21
02-B-S-8

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	2.375G	59.69	74.00	-14.31	28.55	3	Horizontal	148	1.78	-	28.35	2.79	-
AV	2.389G	47.30	54.00	-6.70	16.13	3	Horizontal	148	1.78	-	28.38	2.79	-
PK	2.4068G	109.75	Inf	-Inf	78.54	3	Horizontal	148	1.78	-	28.40	2.81	-
AV	2.4078G	96.58	Inf	-Inf	65.37	3	Horizontal	148	1.78	-	28.40	2.81	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

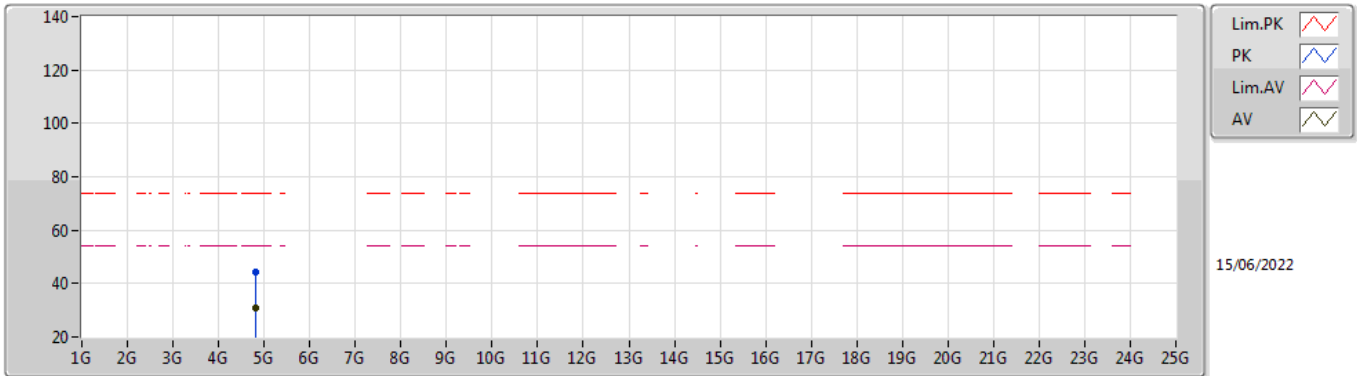


EUT Y_2TX
Setting 21
02-B-S-8

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	4.8225G	45.01	74.00	-28.99	39.19	3	Vertical	154	2.94	-	32.94	5.10	32.22
AV	4.8246G	30.59	54.00	-23.41	24.76	3	Vertical	154	2.94	-	32.95	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

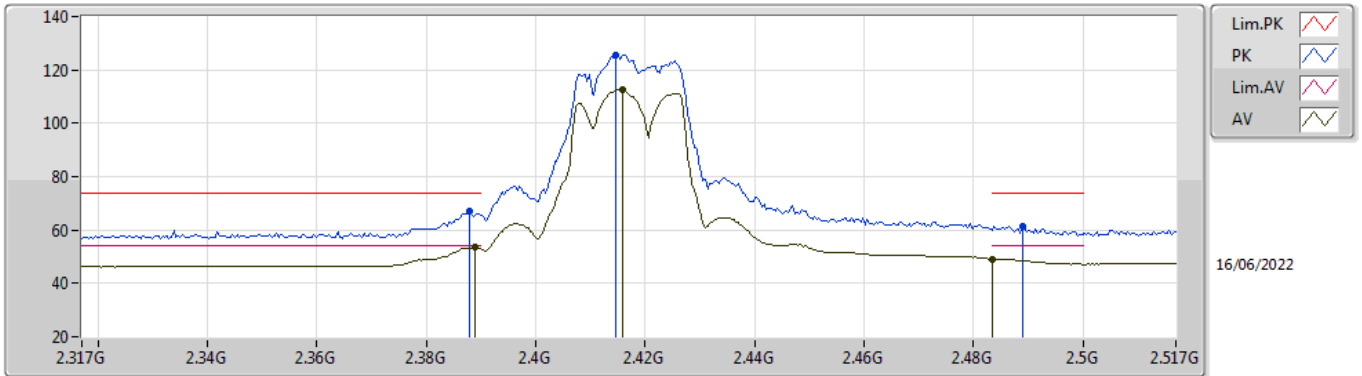


EUT Y_2TX
Setting 21
02-B-S-8

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	4.82414G	44.32	74.00	-29.68	38.50	3	Horizontal	196	1.01	-	32.94	5.10	32.22
AV	4.8245G	30.61	54.00	-23.39	24.78	3	Horizontal	196	1.01	-	32.95	5.10	32.22

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

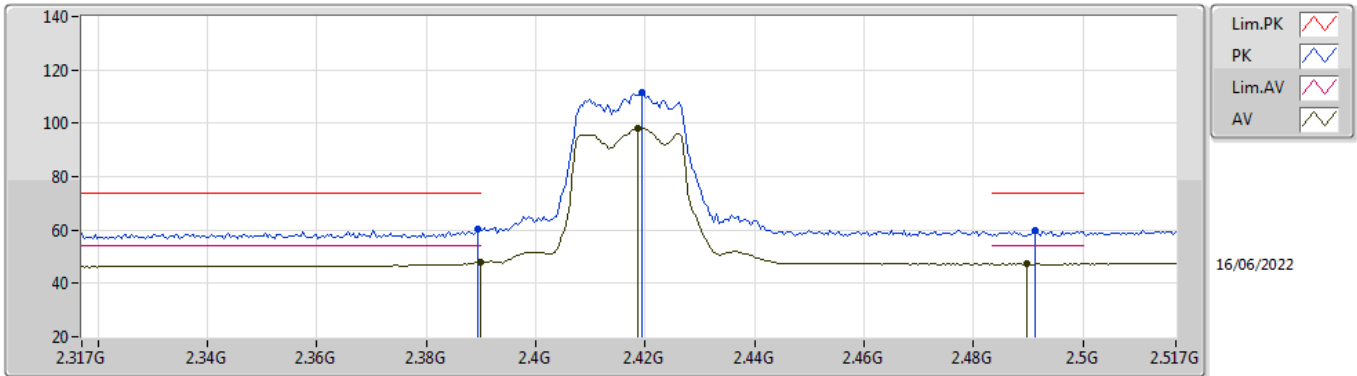


EUT_V_2TX
Setting 23
02-B-S-8

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	66.85	74.00	-7.15	35.68	3	Vertical	352	1.42	-	28.38	2.79	-
AV	2.389G	53.56	54.00	-0.44	22.39	3	Vertical	352	1.42	-	28.38	2.79	-
PK	2.4146G	125.69	Inf	-Inf	94.48	3	Vertical	352	1.42	-	28.40	2.81	-
AV	2.4158G	112.71	Inf	-Inf	81.49	3	Vertical	352	1.42	-	28.40	2.82	-
PK	2.489G	61.44	74.00	-12.56	29.99	3	Vertical	352	1.42	-	28.56	2.89	-
AV	2.4835G	49.19	54.00	-4.81	17.78	3	Vertical	352	1.42	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

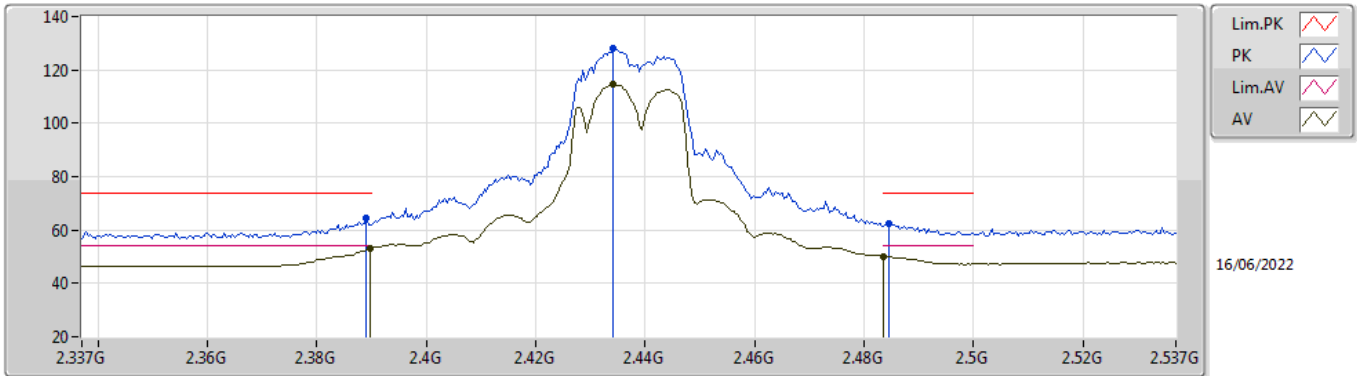


EUT V_2TX
Setting 23
02-B-S-8

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	60.25	74.00	-13.75	29.08	3	Horizontal	135	1.97	-	28.38	2.79	-
AV	2.3898G	48.03	54.00	-5.97	16.86	3	Horizontal	135	1.97	-	28.38	2.79	-
PK	2.4194G	111.48	Inf	-Inf	80.26	3	Horizontal	135	1.97	-	28.40	2.82	-
AV	2.4186G	98.20	Inf	-Inf	66.98	3	Horizontal	135	1.97	-	28.40	2.82	-
PK	2.4914G	59.67	74.00	-14.33	28.21	3	Horizontal	135	1.97	-	28.57	2.89	-
AV	2.4898G	47.27	54.00	-6.73	15.82	3	Horizontal	135	1.97	-	28.56	2.89	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

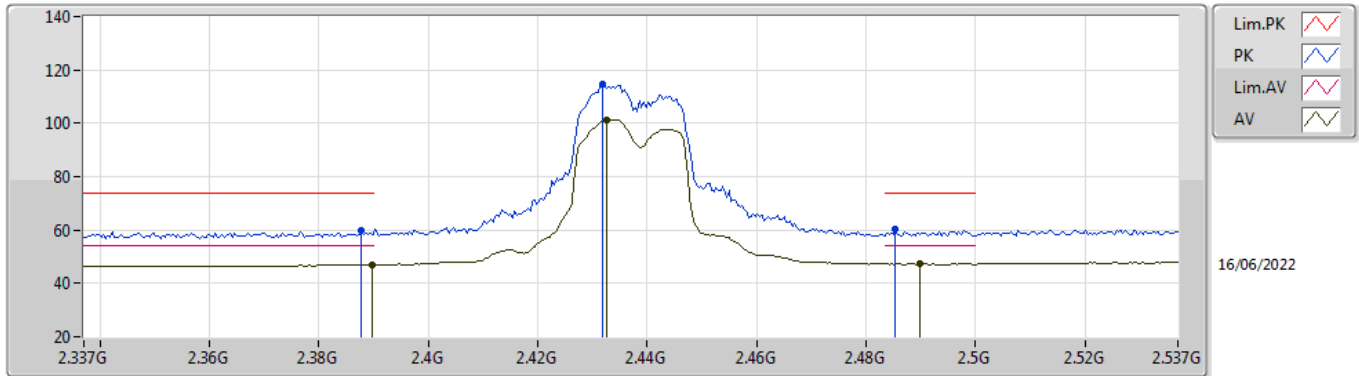


EUT V_2TX
Setting 25.5
02-B-S-8

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	2.389G	64.36	74.00	-9.64	33.19	3	Vertical	320	1.46	-	28.38	2.79	-
AV	2.3898G	53.15	54.00	-0.85	21.98	3	Vertical	320	1.46	-	28.38	2.79	-
PK	2.4342G	127.92	Inf	-Inf	96.69	3	Vertical	320	1.46	-	28.40	2.83	-
AV	2.4342G	114.51	Inf	-Inf	83.28	3	Vertical	320	1.46	-	28.40	2.83	-
PK	2.4846G	62.29	74.00	-11.71	30.87	3	Vertical	320	1.46	-	28.54	2.88	-
AV	2.4835G	50.05	54.00	-3.95	18.64	3	Vertical	320	1.46	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

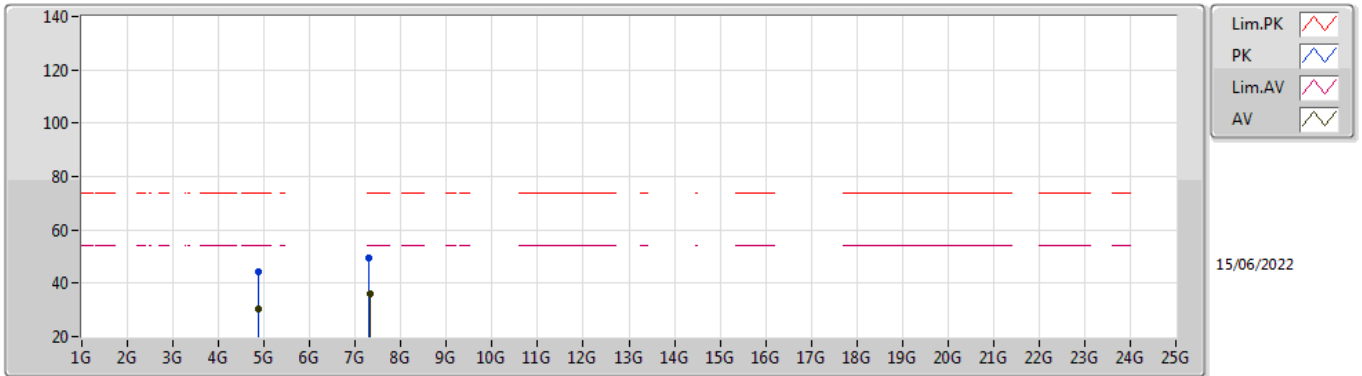


EUT_V_2TX
Setting 25.5
02-B-S-8

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	59.63	74.00	-14.37	28.46	3	Horizontal	138	1.96	-	28.38	2.79	-
AV	2.3898G	47.04	54.00	-6.96	15.87	3	Horizontal	138	1.96	-	28.38	2.79	-
PK	2.4318G	114.45	Inf	-Inf	83.22	3	Horizontal	138	1.96	-	28.40	2.83	-
AV	2.4326G	101.42	Inf	-Inf	70.19	3	Horizontal	138	1.96	-	28.40	2.83	-
PK	2.4854G	60.40	74.00	-13.60	28.97	3	Horizontal	138	1.96	-	28.54	2.89	-
AV	2.4898G	47.29	54.00	-6.71	15.84	3	Horizontal	138	1.96	-	28.56	2.89	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

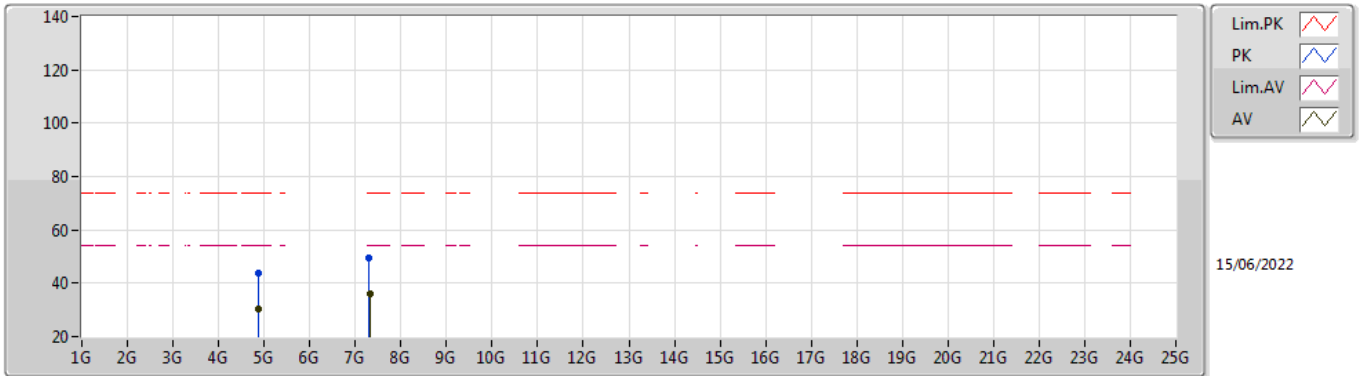


EUT Y_2TX
Setting 25.5
02-B-S-8

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	4.87648G	44.18	74.00	-29.82	38.13	3	Vertical	140	1.13	-	33.15	5.10	32.20
AV	4.87526G	30.47	54.00	-23.53	24.42	3	Vertical	140	1.13	-	33.15	5.10	32.20
PK	7.30908G	49.69	74.00	-24.31	39.94	3	Vertical	311	1.86	-	36.42	6.15	32.82
AV	7.3131G	36.18	54.00	-17.82	26.41	3	Vertical	311	1.86	-	36.43	6.16	32.82

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

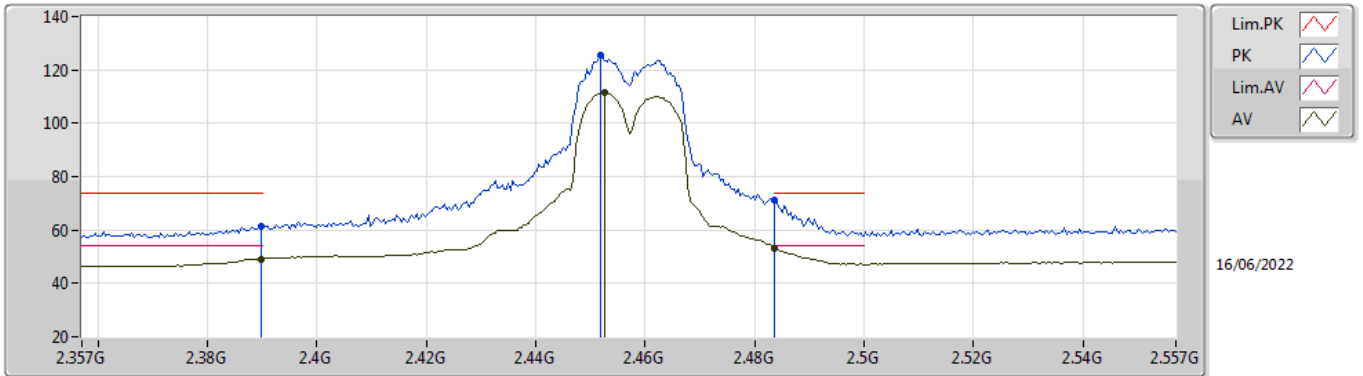


EUT Y_2TX
Setting 25.5
02-B-S-8

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	4.86986G	43.56	74.00	-30.44	37.53	3	Horizontal	330	2.75	-	33.14	5.10	32.21
AV	4.87552G	30.55	54.00	-23.45	24.50	3	Horizontal	330	2.75	-	33.15	5.10	32.20
PK	7.30658G	49.61	74.00	-24.39	39.86	3	Horizontal	158	3.00	-	36.41	6.15	32.81
AV	7.31406G	36.19	54.00	-17.81	26.43	3	Horizontal	158	3.00	-	36.43	6.16	32.83

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

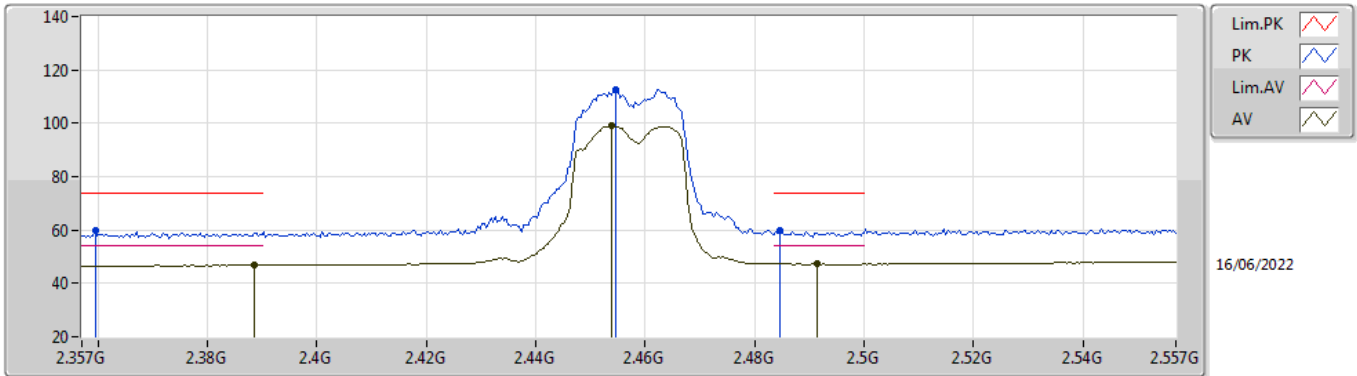


EUT_V_2TX
Setting 23
02-B-S-8

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	2.3898G	61.19	74.00	-12.81	30.02	3	Vertical	308	1.40	-	28.38	2.79	-
AV	2.3898G	49.08	54.00	-4.92	17.91	3	Vertical	308	1.40	-	28.38	2.79	-
PK	2.4518G	125.53	Inf	-Inf	94.27	3	Vertical	308	1.40	-	28.41	2.85	-
AV	2.4526G	111.36	Inf	-Inf	80.10	3	Vertical	308	1.40	-	28.41	2.85	-
PK	2.4835G	71.27	74.00	-2.73	39.86	3	Vertical	308	1.40	-	28.53	2.88	-
AV	2.4835G	53.34	54.00	-0.66	21.93	3	Vertical	308	1.40	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

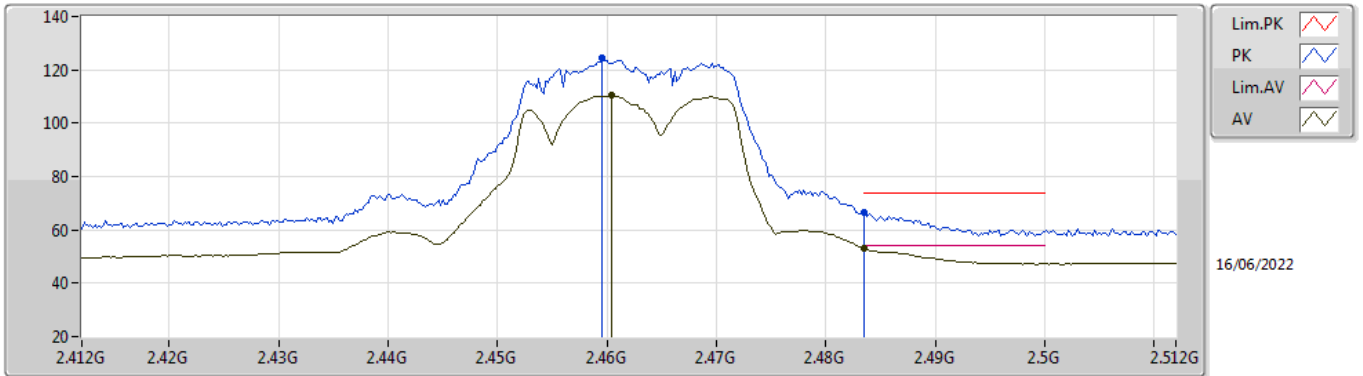


EUT V_2TX
Setting 23
02-B-S-8

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	2.3594G	59.97	74.00	-14.03	28.87	3	Horizontal	135	1.92	-	28.32	2.78	-
AV	2.3886G	46.88	54.00	-7.12	15.71	3	Horizontal	135	1.92	-	28.38	2.79	-
PK	2.4546G	112.65	Inf	-Inf	81.38	3	Horizontal	135	1.92	-	28.42	2.85	-
AV	2.4538G	99.03	Inf	-Inf	67.76	3	Horizontal	135	1.92	-	28.42	2.85	-
PK	2.4846G	59.61	74.00	-14.39	28.19	3	Horizontal	135	1.92	-	28.54	2.88	-
AV	2.4914G	47.38	54.00	-6.62	15.92	3	Horizontal	135	1.92	-	28.57	2.89	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

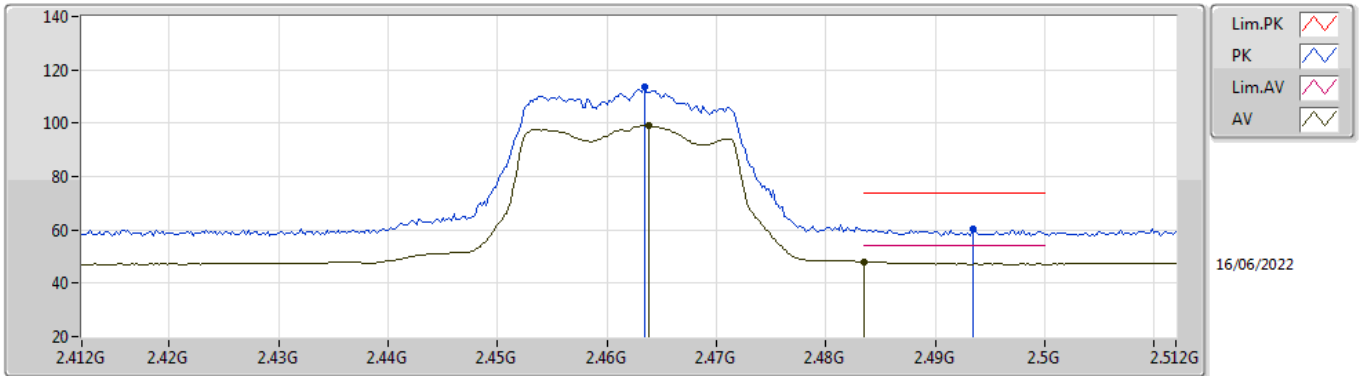


EUT Y_2TX
Setting 22.5
02-B-S-8

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	2.4596G	124.29	Inf	-Inf	92.99	3	Vertical	348	1.38	-	28.44	2.86	-
AV	2.4604G	110.36	Inf	-Inf	79.06	3	Vertical	348	1.38	-	28.44	2.86	-
PK	2.4835G	66.54	74.00	-7.46	35.13	3	Vertical	348	1.38	-	28.53	2.88	-
AV	2.4835G	53.09	54.00	-0.91	21.68	3	Vertical	348	1.38	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

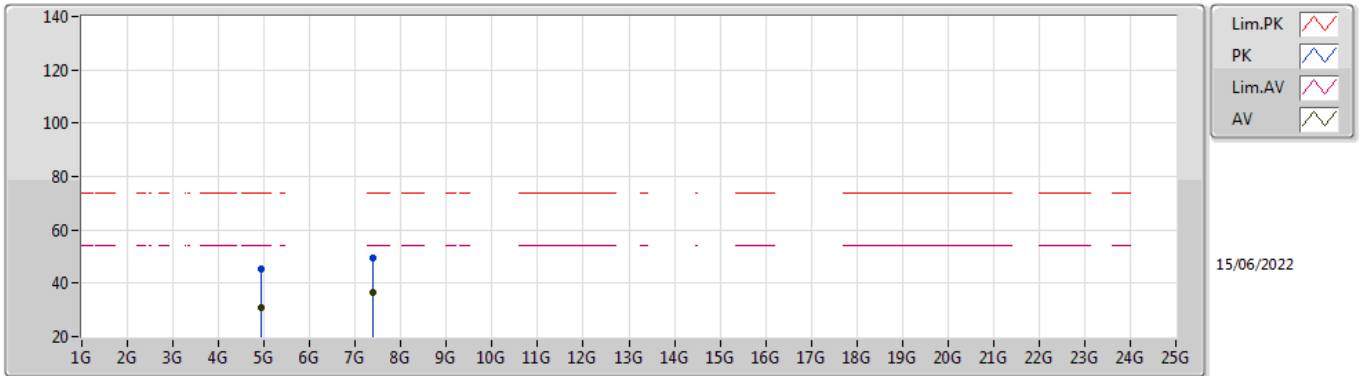


EUT Y_2TX
Setting 22.5
02-B-S-8

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	2.4634G	113.74	Inf	-Inf	82.43	3	Horizontal	138	1.91	-	28.45	2.86	-
AV	2.4638G	99.04	Inf	-Inf	67.72	3	Horizontal	138	1.91	-	28.46	2.86	-
PK	2.4934G	60.31	74.00	-13.69	28.85	3	Horizontal	138	1.91	-	28.57	2.89	-
AV	2.4835G	48.11	54.00	-5.89	16.70	3	Horizontal	138	1.91	-	28.53	2.88	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

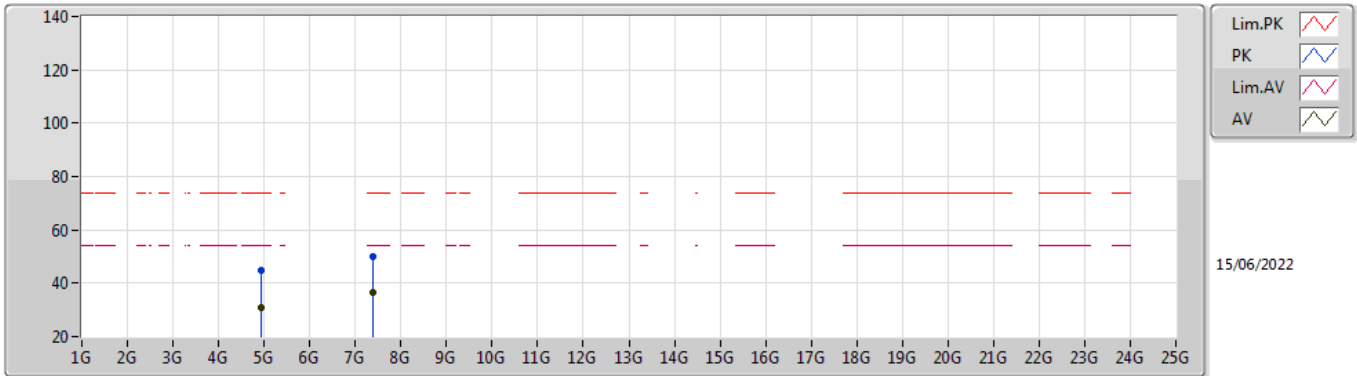


EUT Y_2TX
Setting 22.5
02-B-S-8

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	4.92506G	45.17	74.00	-28.83	39.01	3	Vertical	183	2.74	-	33.25	5.10	32.19
AV	4.92862G	30.62	54.00	-23.38	24.45	3	Vertical	183	2.74	-	33.26	5.10	32.19
PK	7.38666G	49.71	74.00	-24.29	39.97	3	Vertical	323	2.41	-	36.50	6.19	32.95
AV	7.38954G	36.37	54.00	-17.63	26.64	3	Vertical	323	2.41	-	36.50	6.19	32.96

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

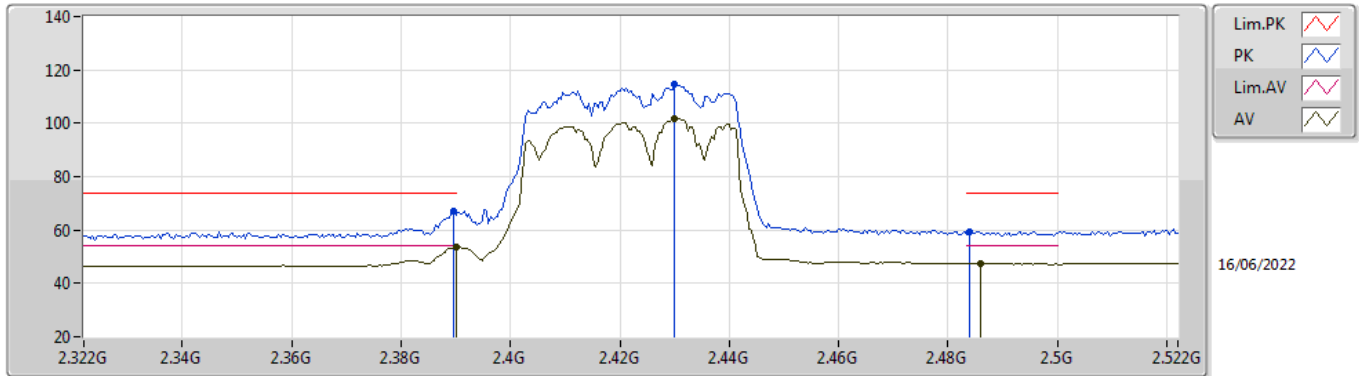


EUT Y_2TX
Setting 22.5
02-B-S-8

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	4.92792G	44.64	74.00	-29.36	38.47	3	Horizontal	321	2.81	-	33.26	5.10	32.19
AV	4.92554G	30.61	54.00	-23.39	24.45	3	Horizontal	321	2.81	-	33.25	5.10	32.19
PK	7.38554G	49.76	74.00	-24.24	40.02	3	Horizontal	154	1.77	-	36.50	6.19	32.95
AV	7.38678G	36.32	54.00	-17.68	26.58	3	Horizontal	154	1.77	-	36.50	6.19	32.95

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

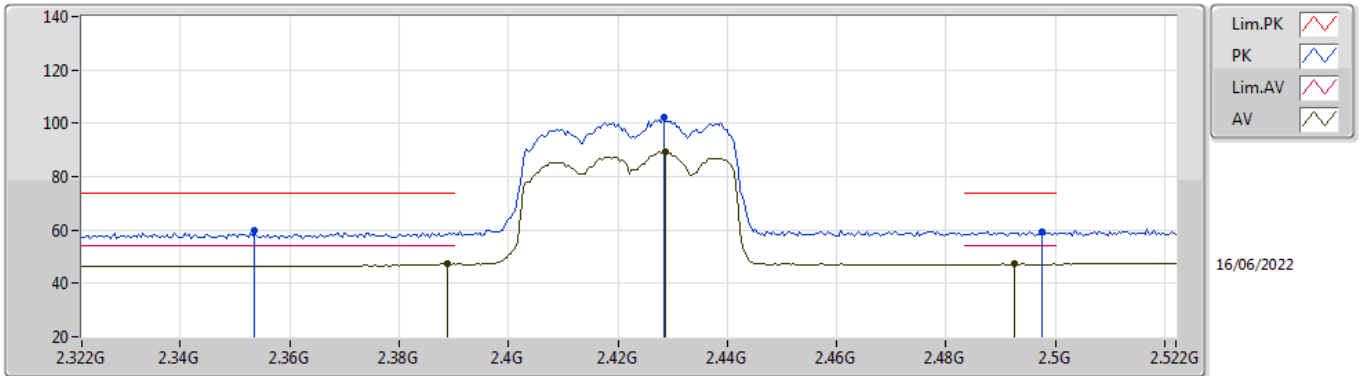


EUT_V_2TX
Setting 15.5
02-B-S-8

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	2.3896G	66.94	74.00	-7.06	35.77	3	Vertical	327	1.51	-	28.38	2.79	-
AV	2.39G	53.63	54.00	-0.37	22.46	3	Vertical	327	1.51	-	28.38	2.79	-
PK	2.43G	114.63	Inf	-Inf	83.40	3	Vertical	327	1.51	-	28.40	2.83	-
AV	2.43G	101.89	Inf	-Inf	70.66	3	Vertical	327	1.51	-	28.40	2.83	-
PK	2.484G	59.50	74.00	-14.50	28.08	3	Vertical	327	1.51	-	28.54	2.88	-
AV	2.486G	47.44	54.00	-6.56	16.01	3	Vertical	327	1.51	-	28.54	2.89	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

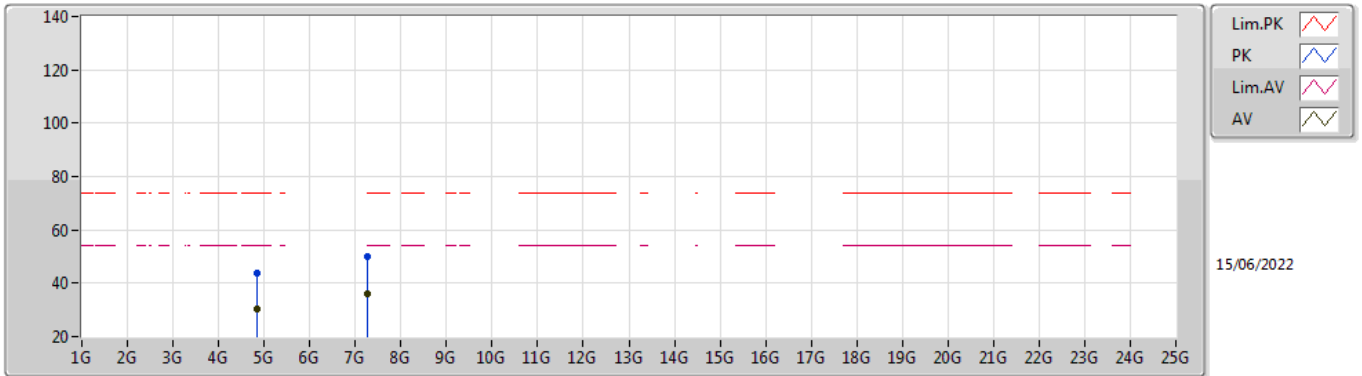


EUT_V_2TX
Setting 15.5
02-B-S-8

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	2.3536G	59.81	74.00	-14.19	28.72	3	Horizontal	138	1.97	-	28.31	2.78	-
AV	2.3888G	47.33	54.00	-6.67	16.16	3	Horizontal	138	1.97	-	28.38	2.79	-
PK	2.4284G	102.32	Inf	-Inf	71.09	3	Horizontal	138	1.97	-	28.40	2.83	-
AV	2.4288G	89.22	Inf	-Inf	57.99	3	Horizontal	138	1.97	-	28.40	2.83	-
PK	2.4976G	59.18	74.00	-14.82	27.69	3	Horizontal	138	1.97	-	28.59	2.90	-
AV	2.4924G	47.28	54.00	-6.72	15.82	3	Horizontal	138	1.97	-	28.57	2.89	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

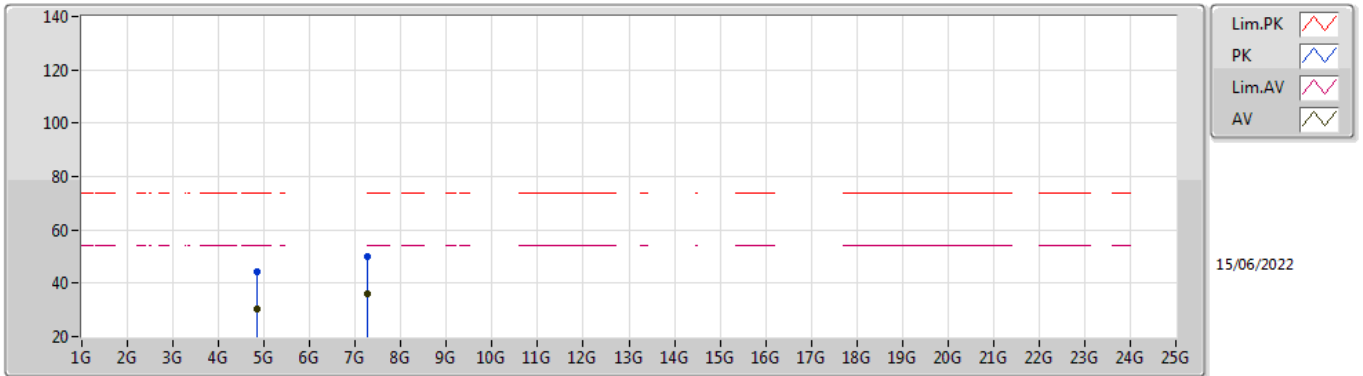


EUT Y_2TX
Setting 15.5
02-B-S-8

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	4.8393G	44.00	74.00	-30.00	38.08	3	Vertical	302	1.29	-	33.04	5.10	32.22
AV	4.84474G	30.46	54.00	-23.54	24.51	3	Vertical	302	1.29	-	33.07	5.10	32.22
PK	7.26264G	49.82	74.00	-24.18	40.18	3	Vertical	90	1.63	-	36.25	6.13	32.74
AV	7.26308G	36.22	54.00	-17.78	26.58	3	Vertical	90	1.63	-	36.25	6.13	32.74

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

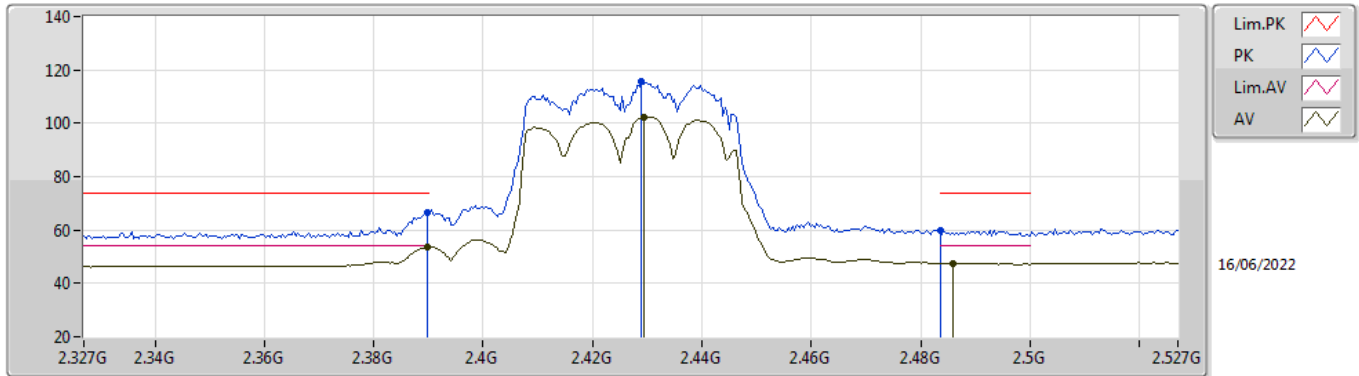


EUT Y_2TX
Setting 15.5
02-B-S-8

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	4.8451G	44.29	74.00	-29.71	38.34	3	Horizontal	192	1.94	-	33.07	5.10	32.22
AV	4.84342G	30.50	54.00	-23.50	24.56	3	Horizontal	192	1.94	-	33.06	5.10	32.22
PK	7.26942G	49.87	74.00	-24.13	40.21	3	Horizontal	87	2.05	-	36.28	6.13	32.75
AV	7.26144G	36.23	54.00	-17.77	26.58	3	Horizontal	87	2.05	-	36.25	6.13	32.73

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

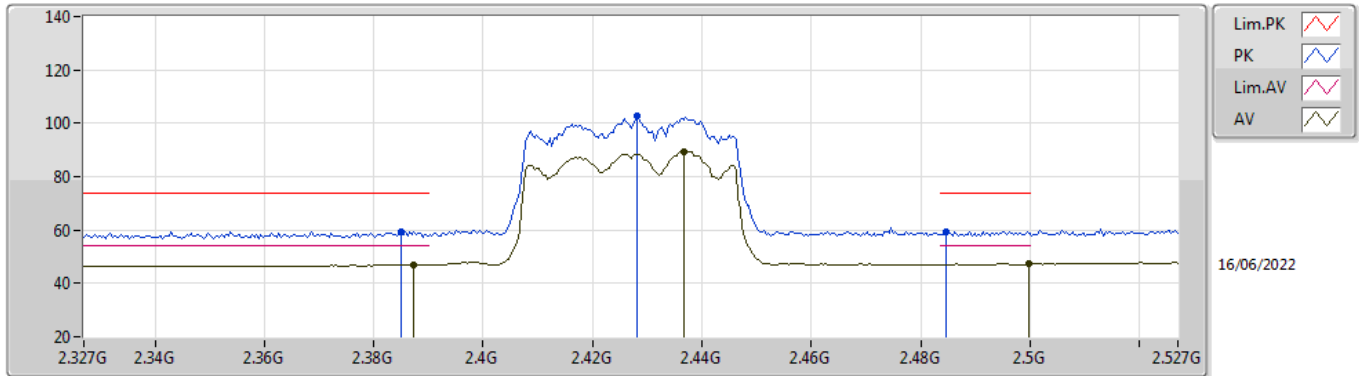


EUT V_2TX
Setting 16
02-B-S-8

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	2.3898G	66.76	74.00	-7.24	35.59	3	Vertical	323	1.53	-	28.38	2.79	-
AV	2.3898G	53.66	54.00	-0.34	22.49	3	Vertical	323	1.53	-	28.38	2.79	-
PK	2.429G	115.61	Inf	-Inf	84.38	3	Vertical	323	1.53	-	28.40	2.83	-
AV	2.4294G	102.35	Inf	-Inf	71.12	3	Vertical	323	1.53	-	28.40	2.83	-
PK	2.4835G	59.90	74.00	-14.10	28.49	3	Vertical	323	1.53	-	28.53	2.88	-
AV	2.4858G	47.54	54.00	-6.46	16.11	3	Vertical	323	1.53	-	28.54	2.89	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

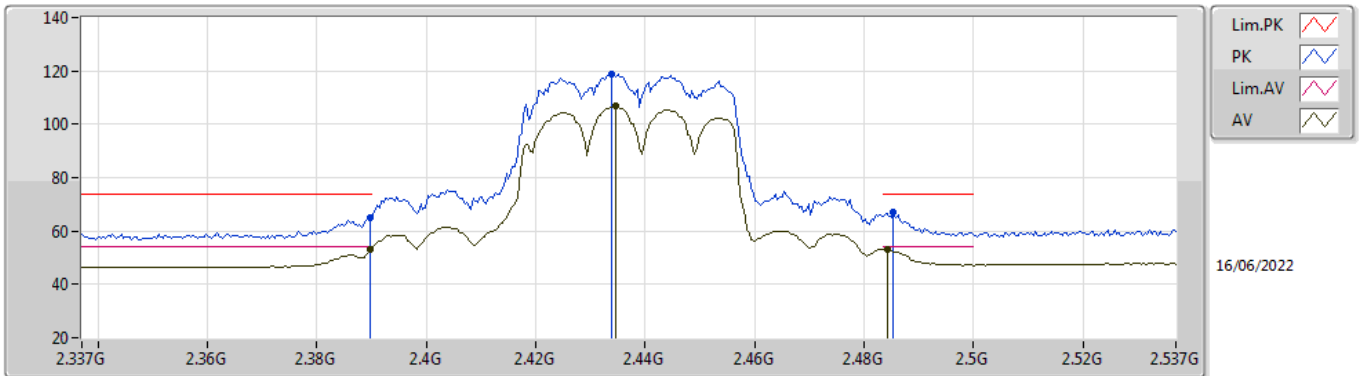


EUT Y_2TX
Setting 16
02-B-S-8

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	2.385G	59.45	74.00	-14.55	28.29	3	Horizontal	156	1.97	-	28.37	2.79	-
AV	2.3874G	47.09	54.00	-6.91	15.93	3	Horizontal	156	1.97	-	28.37	2.79	-
PK	2.4282G	102.61	Inf	-Inf	71.38	3	Horizontal	156	1.97	-	28.40	2.83	-
AV	2.4366G	89.49	Inf	-Inf	58.25	3	Horizontal	156	1.97	-	28.40	2.84	-
PK	2.4846G	59.54	74.00	-14.46	28.12	3	Horizontal	156	1.97	-	28.54	2.88	-
AV	2.4998G	47.24	54.00	-6.76	15.74	3	Horizontal	156	1.97	-	28.60	2.90	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

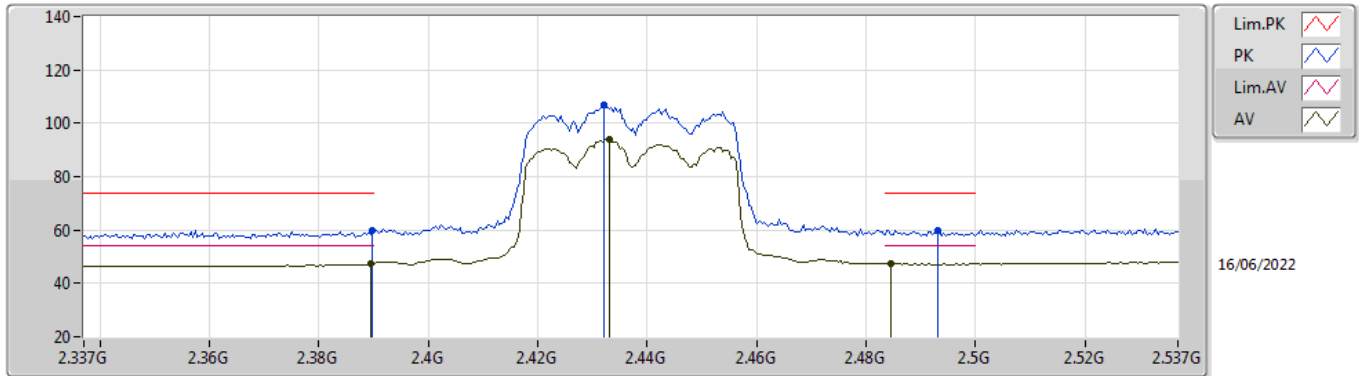


EUT V_2TX
Setting 20
02-B-S-8

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	2.3898G	65.17	74.00	-8.83	34.00	3	Vertical	320	1.45	-	28.38	2.79	-
AV	2.3898G	52.99	54.00	-1.01	21.82	3	Vertical	320	1.45	-	28.38	2.79	-
PK	2.4338G	118.97	Inf	-Inf	87.74	3	Vertical	320	1.45	-	28.40	2.83	-
AV	2.4346G	106.66	Inf	-Inf	75.43	3	Vertical	320	1.45	-	28.40	2.83	-
PK	2.4854G	67.13	74.00	-6.87	35.70	3	Vertical	320	1.45	-	28.54	2.89	-
AV	2.4842G	53.14	54.00	-0.86	21.72	3	Vertical	320	1.45	-	28.54	2.88	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

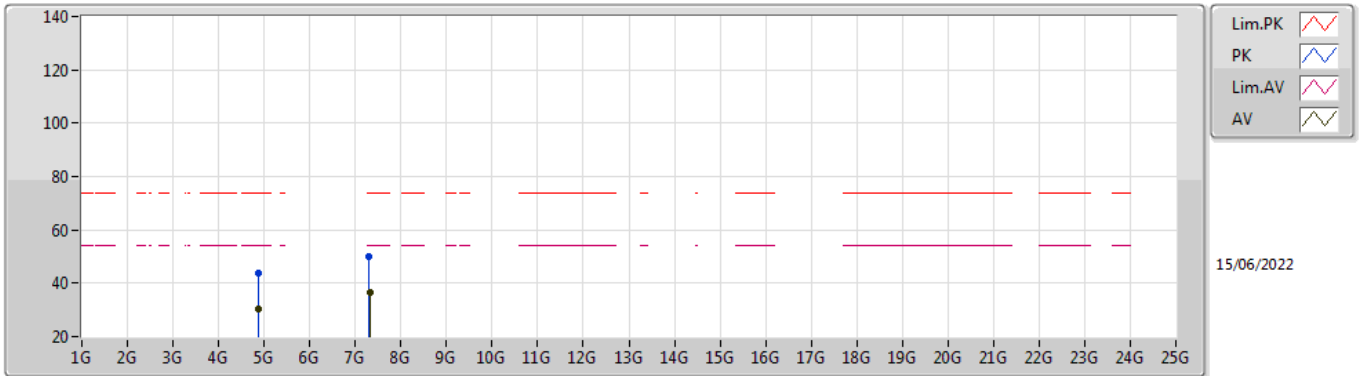


EUT_V_2TX
Setting 20
02-B-S-8

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	2.3898G	59.64	74.00	-14.36	28.47	3	Horizontal	153	1.95	-	28.38	2.79	-
AV	2.3894G	47.51	54.00	-6.49	16.34	3	Horizontal	153	1.95	-	28.38	2.79	-
PK	2.4322G	106.87	Inf	-Inf	75.64	3	Horizontal	153	1.95	-	28.40	2.83	-
AV	2.433G	93.83	Inf	-Inf	62.60	3	Horizontal	153	1.95	-	28.40	2.83	-
PK	2.493G	59.96	74.00	-14.04	28.50	3	Horizontal	153	1.95	-	28.57	2.89	-
AV	2.4846G	47.44	54.00	-6.56	16.02	3	Horizontal	153	1.95	-	28.54	2.88	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

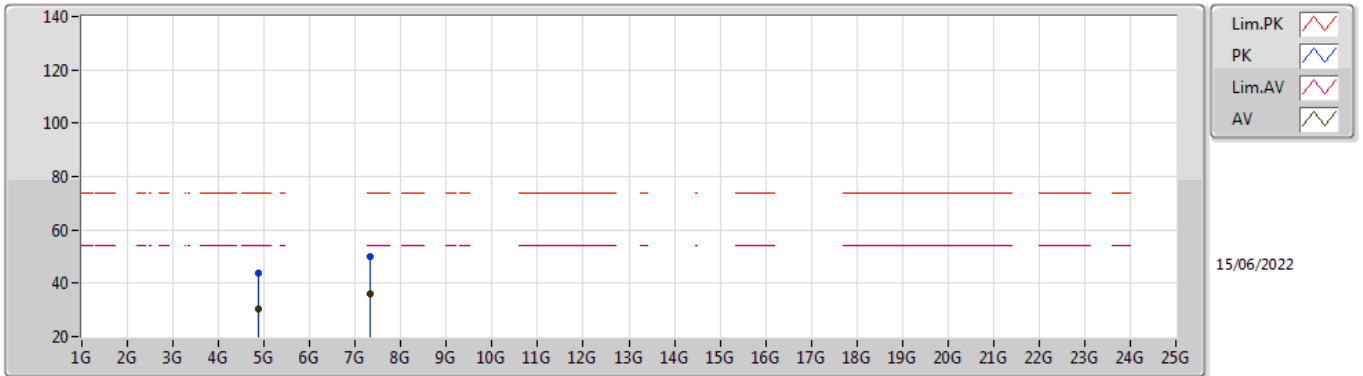


EUT Y_2TX
Setting 20
02-B-S-8

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	4.8758G	43.86	74.00	-30.14	37.81	3	Vertical	257	1.57	-	33.15	5.10	32.20
AV	4.8755G	30.43	54.00	-23.57	24.38	3	Vertical	257	1.57	-	33.15	5.10	32.20
PK	7.30614G	49.77	74.00	-24.23	40.02	3	Vertical	1	1.18	-	36.41	6.15	32.81
AV	7.31496G	36.43	54.00	-17.57	26.67	3	Vertical	1	1.18	-	36.43	6.16	32.83

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

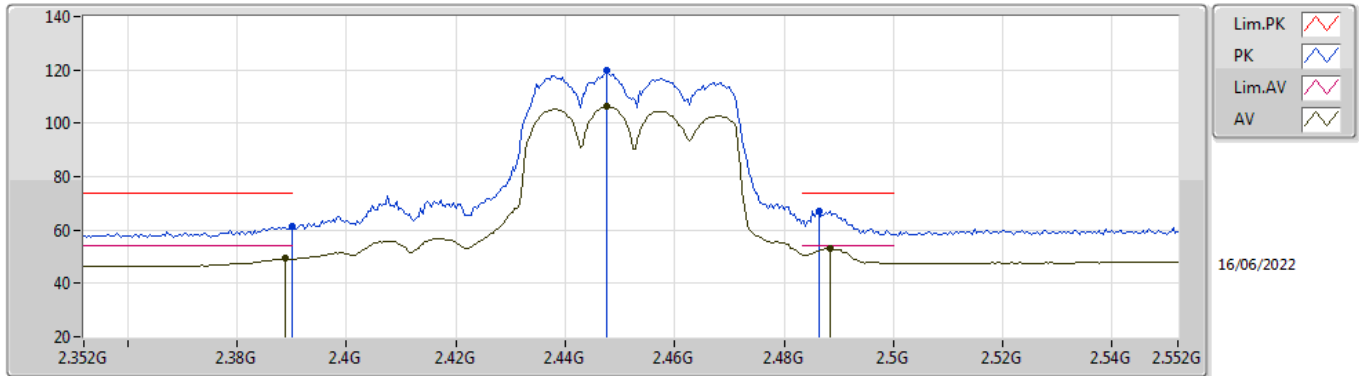


EUT Y_2TX
Setting 20
02-B-S-8

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	4.8774G	43.82	74.00	-30.18	37.77	3	Horizontal	342	2.40	-	33.15	5.10	32.20
AV	4.87352G	30.42	54.00	-23.58	24.38	3	Horizontal	342	2.40	-	33.15	5.10	32.21
PK	7.31244G	50.13	74.00	-23.87	40.37	3	Horizontal	109	1.24	-	36.42	6.16	32.82
AV	7.31594G	36.20	54.00	-17.80	26.44	3	Horizontal	109	1.24	-	36.43	6.16	32.83

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

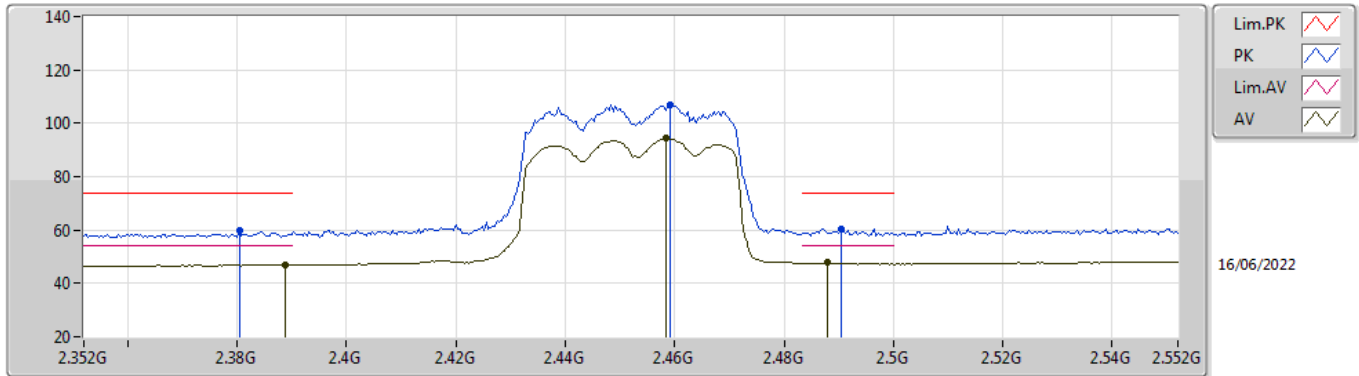


EUT V_2TX
Setting 20
02-B-S-8

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	2.39G	61.16	74.00	-12.84	29.99	3	Vertical	310	1.68	-	28.38	2.79	-
AV	2.3888G	49.23	54.00	-4.77	18.06	3	Vertical	310	1.68	-	28.38	2.79	-
PK	2.4476G	119.72	Inf	-Inf	88.47	3	Vertical	310	1.68	-	28.40	2.85	-
AV	2.4476G	106.31	Inf	-Inf	75.06	3	Vertical	310	1.68	-	28.40	2.85	-
PK	2.4864G	67.11	74.00	-6.89	35.67	3	Vertical	310	1.68	-	28.55	2.89	-
AV	2.4884G	53.35	54.00	-0.65	21.91	3	Vertical	310	1.68	-	28.55	2.89	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

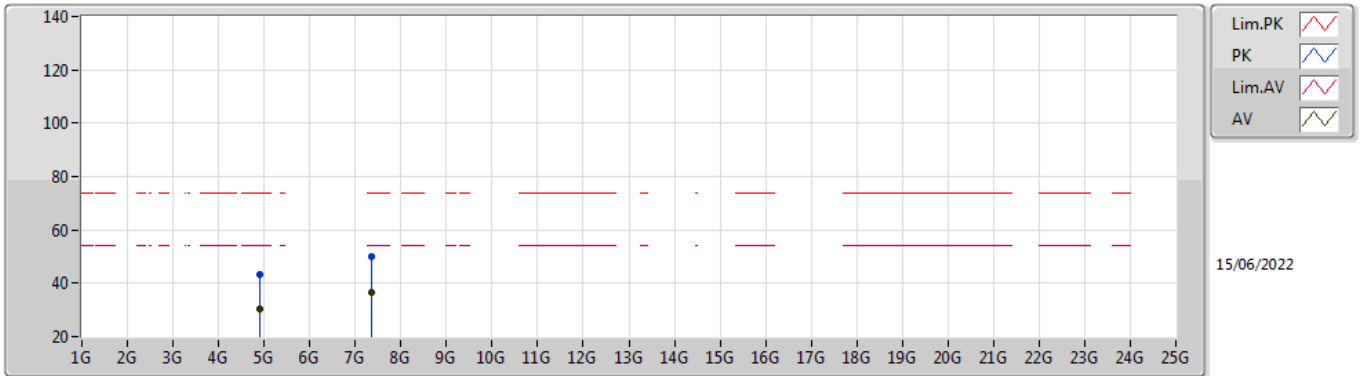


EUT_V_2TX
Setting 20
02-B-S-8

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	2.3804G	59.85	74.00	-14.15	28.70	3	Horizontal	136	1.90	-	28.36	2.79	-
AV	2.3888G	46.91	54.00	-7.09	15.74	3	Horizontal	136	1.90	-	28.38	2.79	-
PK	2.4592G	106.80	Inf	-Inf	75.50	3	Horizontal	136	1.90	-	28.44	2.86	-
AV	2.4584G	94.26	Inf	-Inf	62.97	3	Horizontal	136	1.90	-	28.43	2.86	-
PK	2.4904G	60.36	74.00	-13.64	28.91	3	Horizontal	136	1.90	-	28.56	2.89	-
AV	2.488G	47.68	54.00	-6.32	16.24	3	Horizontal	136	1.90	-	28.55	2.89	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

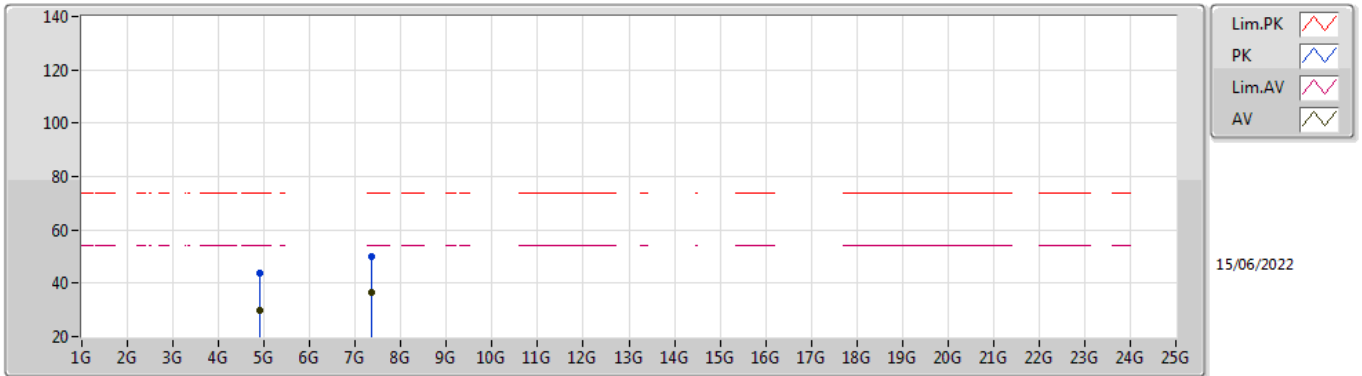


EUT Y_2TX
Setting 20
02-B-S-8

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	4.89918G	43.51	74.00	-30.49	37.41	3	Vertical	306	1.67	-	33.20	5.10	32.20
AV	4.9029G	30.09	54.00	-23.91	23.97	3	Vertical	306	1.67	-	33.21	5.10	32.19
PK	7.35202G	50.20	74.00	-23.80	40.41	3	Vertical	73	2.70	-	36.50	6.18	32.89
AV	7.35208G	36.43	54.00	-17.57	26.64	3	Vertical	73	2.70	-	36.50	6.18	32.89

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT Y_2TX
Setting 20
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	4.89918G	43.80	74.00	-30.20	37.70	3	Horizontal	187	2.40	-	33.20	5.10	32.20
AV	4.90424G	30.02	54.00	-23.98	23.90	3	Horizontal	187	2.40	-	33.21	5.10	32.19
PK	7.3558G	49.89	74.00	-24.11	40.11	3	Horizontal	234	2.26	-	36.50	6.18	32.90
AV	7.35642G	36.35	54.00	-17.65	26.57	3	Horizontal	234	2.26	-	36.50	6.18	32.90