




RADIO TEST REPORT

FCC ID : 2ABLK-GM2037
Equipment : GigaSpire Mesh BLAST u6me
Brand Name : Calix
Model Name : u6me
Applicant : Calix Inc.
1035 N. McDowell Blvd. Petaluma, CA94954 U.S.A.
Manufacturer : Calix Inc.
1035 N. McDowell Blvd. Petaluma, CA94954 U.S.A.
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 14, 2021, and testing was started from Oct. 14, 2021 and completed on Jan. 20, 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 Standards9

1.3 Testing Location Information9

1.4 Measurement Uncertainty10

2 Test Configuration of EUT11

2.1 Test Channel Mode11

2.2 The Worst Case Measurement Configuration12

2.3 EUT Operation during Test13

2.4 Accessories13

2.5 Support Equipment.....14

2.6 Test Setup Diagram15

3 Transmitter Test Result19

3.1 AC Power-line Conducted Emissions19

3.2 DTS Bandwidth21

3.3 Maximum Conducted Output Power22

3.4 Power Spectral Density25

3.5 Emissions in Non-restricted Frequency Bands27

3.6 Emissions in Restricted Frequency Bands.....28

4 Test Equipment and Calibration Data32

Appendix A. Test Results of AC Power-line Conducted Emissions

Appendix B. Test Results of DTS Bandwidth

Appendix C. Test Results of Maximum Conducted Output Power

Appendix D. Test Results of Power Spectral Density

Appendix E. Test Results of Emissions in Non-restricted Frequency Bands

Appendix F. Test Results of Emissions in Restricted Frequency Bands

Appendix G. Test Results of Radiated Emission Co-location

Appendix H. Test Photos

Photographs of EUT v01



History of this test report

Report No.	Version	Description	Issued Date
FR1O1539AA	01	Initial issue of report	Jan. 27, 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: Penny Kao



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	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	WLAN 6GHz					
1	1	1	-	GALTRONICS	02102140-07461-2	Dipole	U.FL	Note1
2	2	2	-	GALTRONICS	02102140-07461-1	Dipole	U.FL	
3	-	-	1	GALTRONICS	02102475-07461-2	Dipole	U.FL	
4	-	-	2	GALTRONICS	02102475-07461-1	Dipole	U.FL	

Note 1:

Ant.	Port			Antenna Gain (dBi)						
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz			
					UNII 1	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8
1	1	1	-	2.617	3.761	3.221	-	-	-	-
2	2	2	-	2.626	3.600	3.333	-	-	-	-
3	-	-	1	-	-	-	2.558	2.781	3.076	2.982
4	-	-	2	-	-	-	3.076	3.246	3.429	3.347

Note 2: The above information was declared by manufacturer.

Note 3: 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	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

Where ;

G1 = Ant 1 Gain ; G2 = Ant 2 Gain

$$2.4GHz DG = 5.632 \text{ dBi}$$

$$5 \text{ GHz U-NII-1 DG} = 6.691 \text{ dBi}$$

$$5 \text{ GHz U-NII-3 DG} = 6.287 \text{ dBi}$$



The EUT has four antennas.

For 2.4GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11ax mode (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

For non-beamforming mode

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.63	2.01	667.5u	3k
802.11g	0.943	0.25	1.98m	1k

For beamforming mode

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF	0.923	0.35	1.768m	1k
802.11ax HEW40-BF	0.917	0.38	1.768m	1k

Note:

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



1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for 11n/VHT/ax in 2.4GHz, 11n/ac/ax in 5GHz and ax in 6GHz.			
Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Test Software Version	For non-beamforming: QRCT V 4.0.00192.0 For beamforming: DOS V6.1.7601			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT supports functions

Function
AP Router
Extender

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

Note 2: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	19.1~20.4 / 51~53	Nov. 17, 2021~ Jan. 20, 2022
Radiated (Below 1 GHz)	03CH04-CB	Paul Chen	19.1~20 / 62~66	Nov. 24, 2021
Radiated (Bandedge)	03CH01-CB	Simmon Cheng	24.4-25.5 / 55-58	Oct. 14, 2021~ Jan. 08, 2022
	03CH02-CB		24.2-26.1 / 55-58	
	03CH03-CB		23.5-24.6 / 55-59	
Radiated (Harmonic)	03CH02-CB	Simmon Cheng	24.2-26.1 / 55-58	Oct. 14, 2021~ Jan. 08, 2022
	03CH03-CB		23.5-24.6 / 55-59	
AC Conduction	CO01-CB	Peter Wu	22~24 / 55~57	Nov. 29, 2021



1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

For non-beamforming mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	24.5
2437MHz	25.5
2462MHz	24
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	21.5
2437MHz	24.5
2462MHz	21.5

For beamforming mode

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	24
2437MHz	26
2462MHz	23
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	22
2437MHz	23
2452MHz	21

Note:

- ◆ Evaluated HEW20/HEW40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.
- ◆ The EUT supports non-beamforming and beamforming modes for 11n/VHT/ax in 2.4GHz, 11n/ac/ax in 5GHz and ax in 6GHz, after evaluating, the beamforming mode has been selected to test.



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: 120V / 60Hz
Operating Mode	Normal Link
1	EUT + Adapter

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 Z axis + Adapter
2	EUT in Y axis + Adapter
3	EUT in X axis + Adapter
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below:
1	EUT in Z axis + Adapter



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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
Refer to Sporton Test Report No.: FA1O1539 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

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

The program was executed as follows:

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

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	Adapter	Ktec	KSA-24W-120200HU	INPUT: 100-240V~50/60Hz, 0.6A OUTPUT: 12V, 2.0A



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	2.4G NB	DELL	E6430	N/A
B	5G NB	DELL	E6430	N/A
C	6G NB	DELL	E6430	N/A
D	LAN NB	DELL	E6430	N/A
E	WAN NB	DELL	E6430	N/A

For Radiated below 1GHz:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	NB	DELL	E4300	N/A
D	NB	DELL	E4300	N/A
E	NB	DELL	E4300	N/A
F	WLAN module	Intel	AX210NGW	N/A

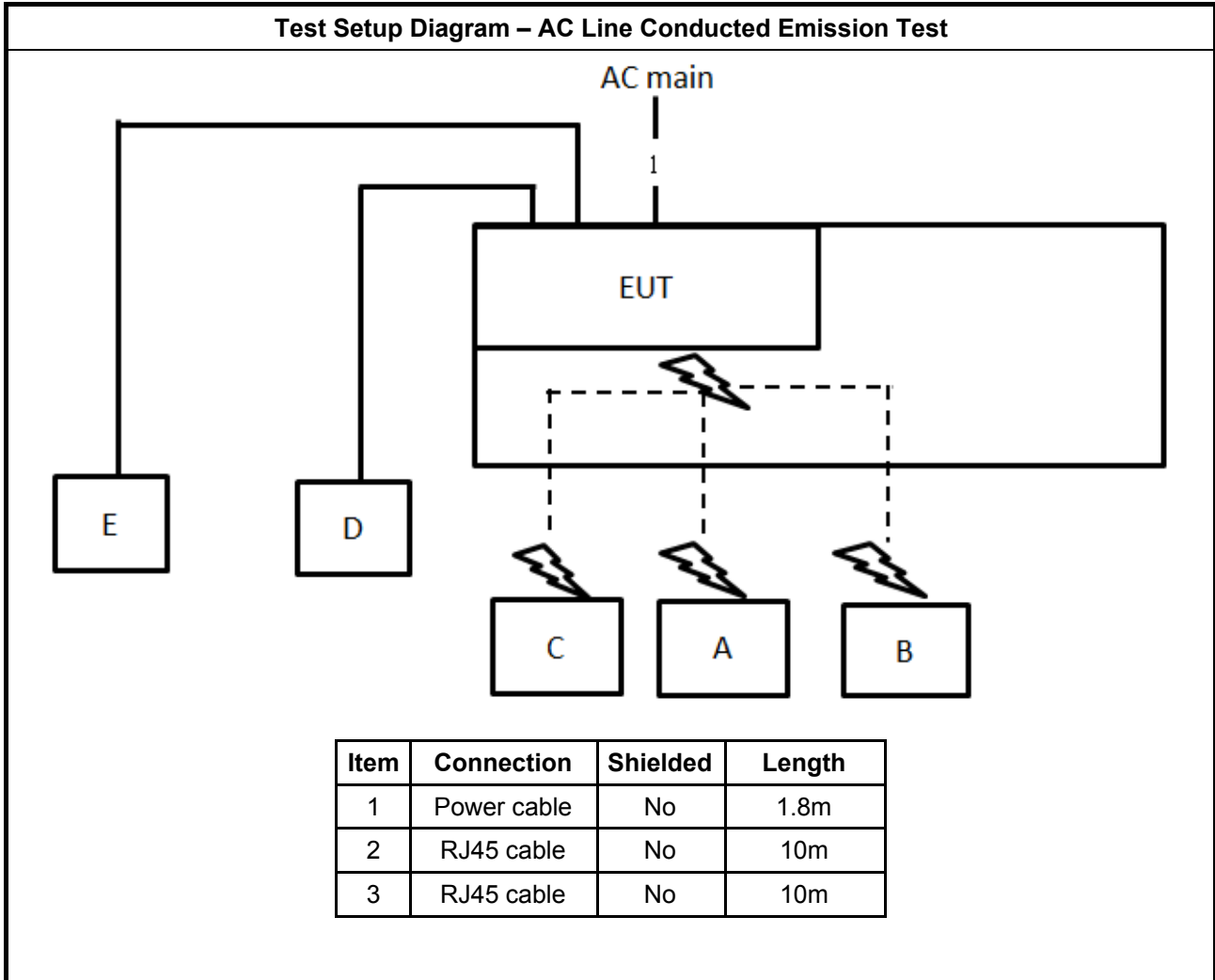
For Radiated above 1GHz and RF Conducted:
Non-beamforming mode

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

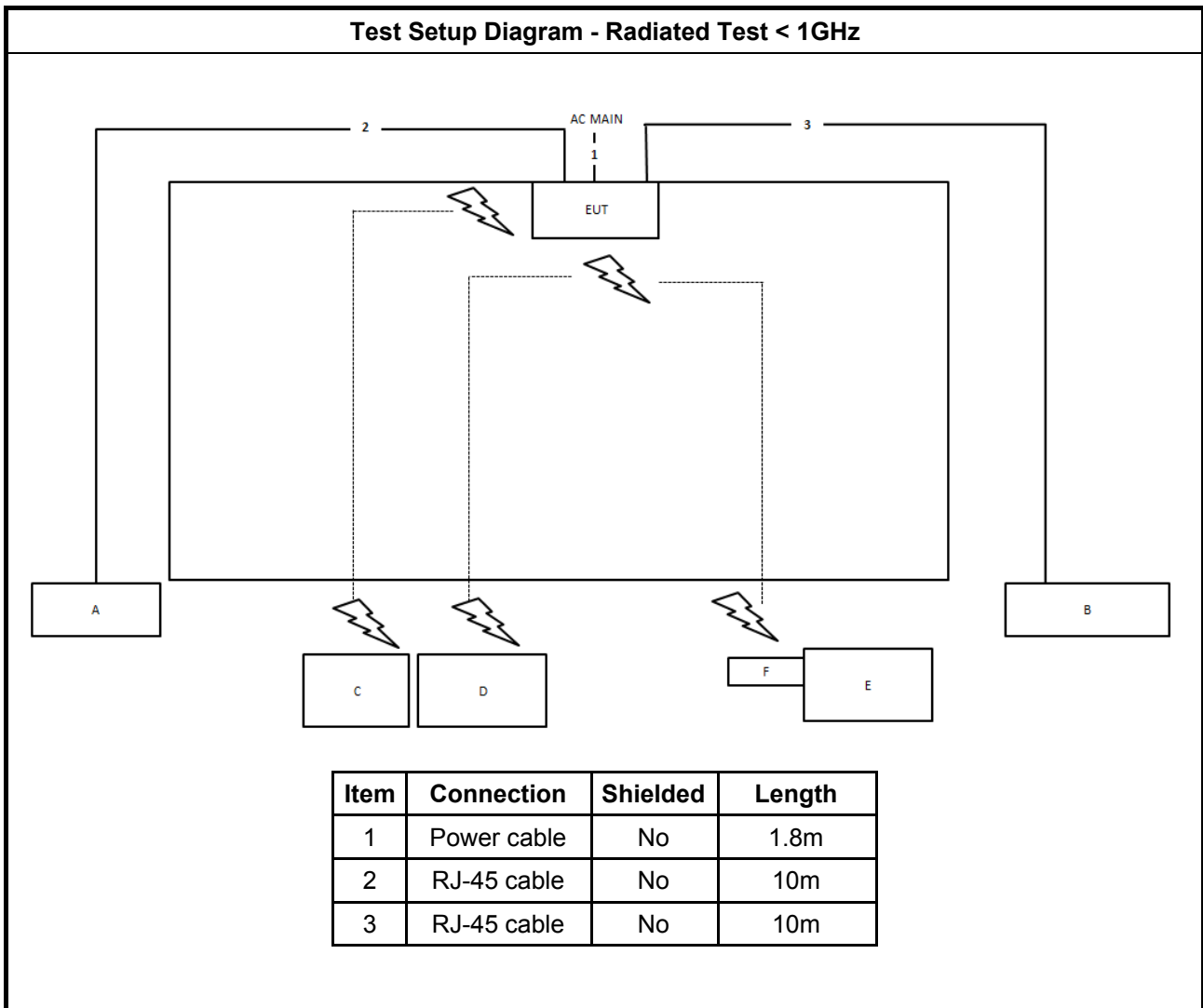
Beamforming mode

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	WLAN AP	CyberTAN	MT1V116	N/A
C	NB	DELL	E4300	N/A

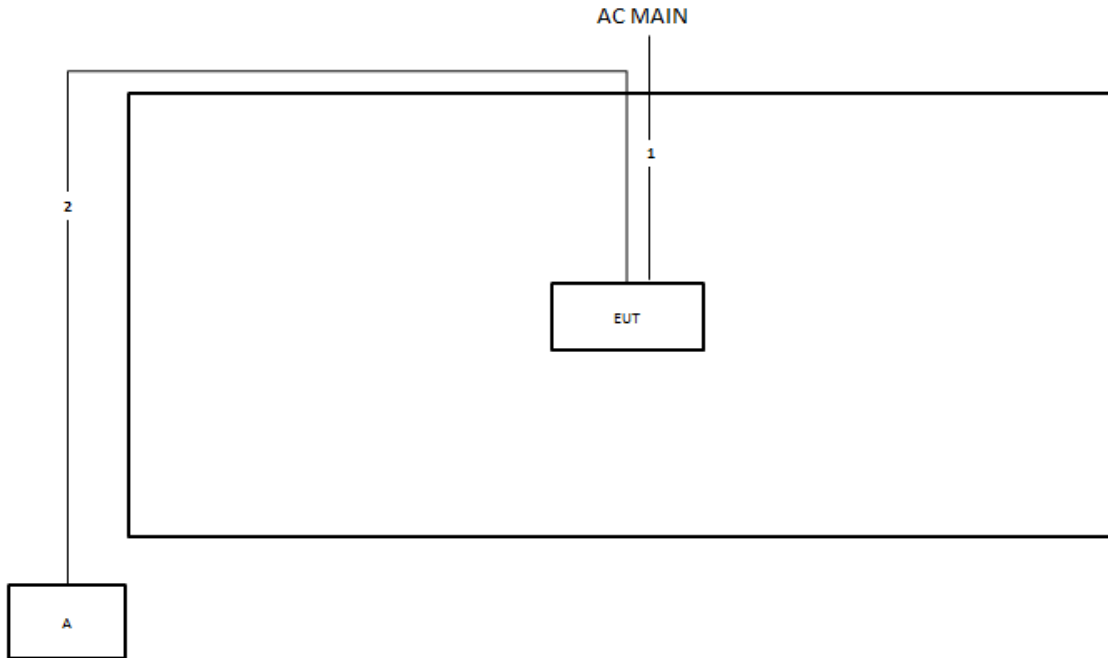
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz

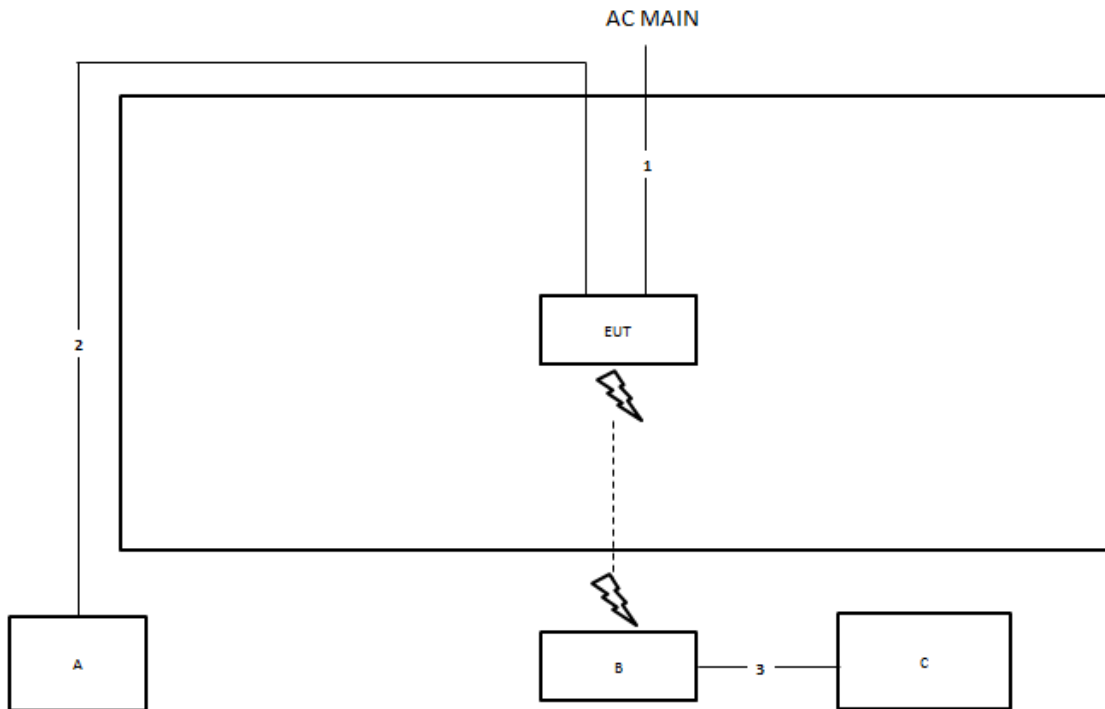


Test Setup Diagram - Radiated Test > 1GHz (Non-beamforming mode)



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz (Beamforming mode)



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

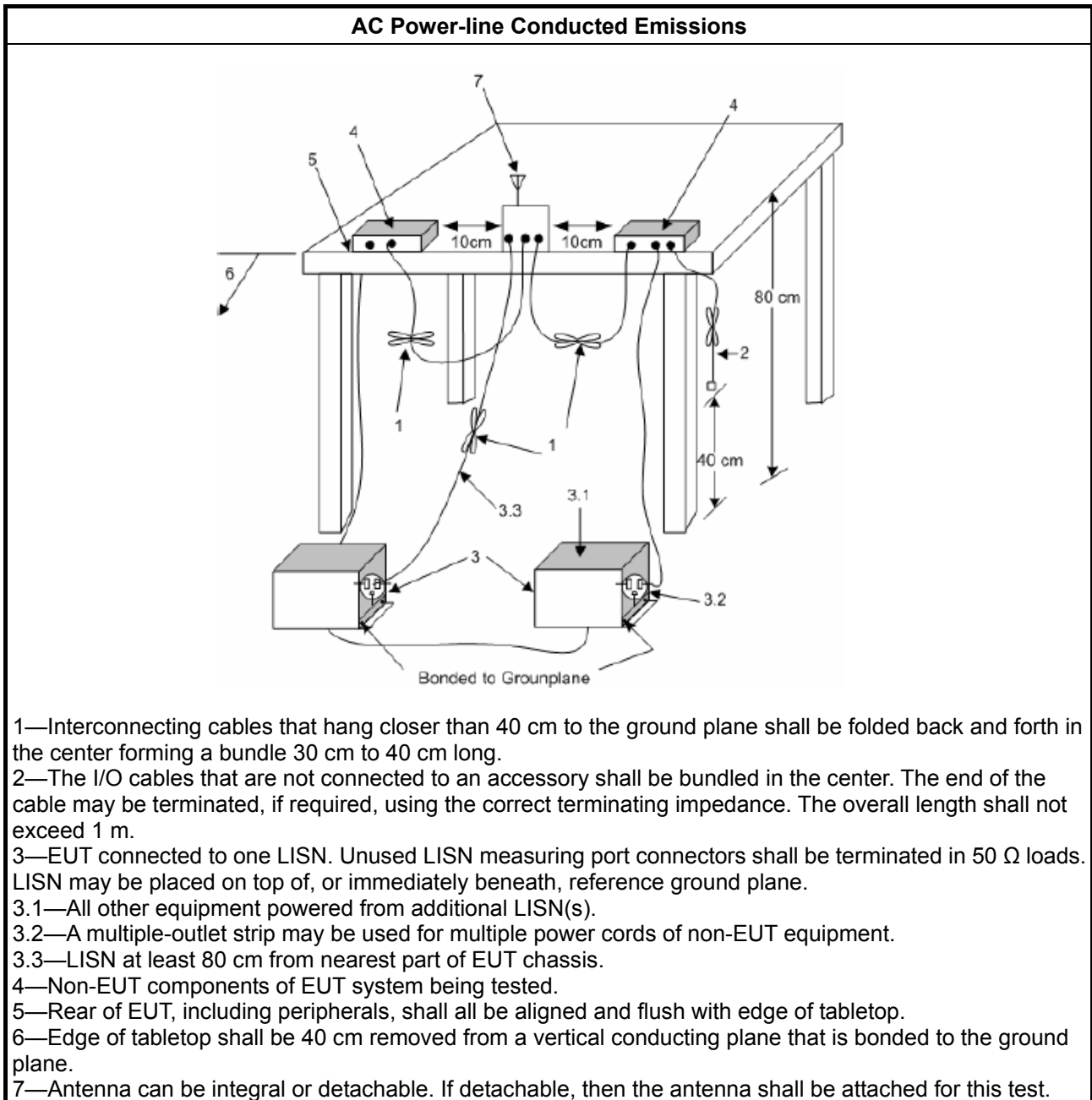
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<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.

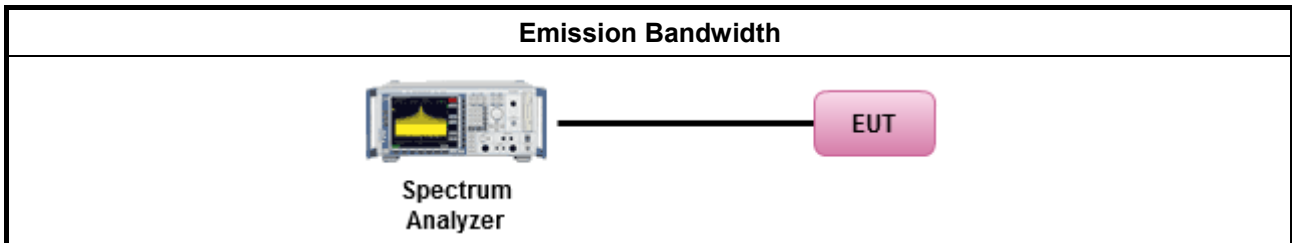
3.2.2 Measuring Instruments

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

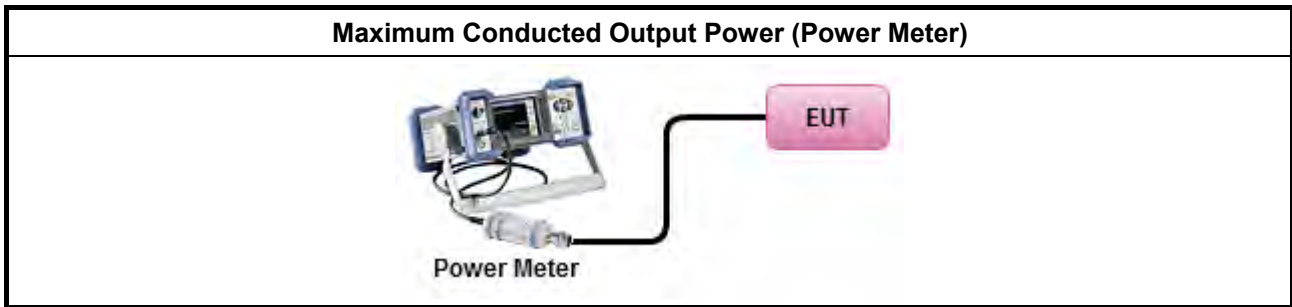
Refer a test equipment and calibration data table in this test report.



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

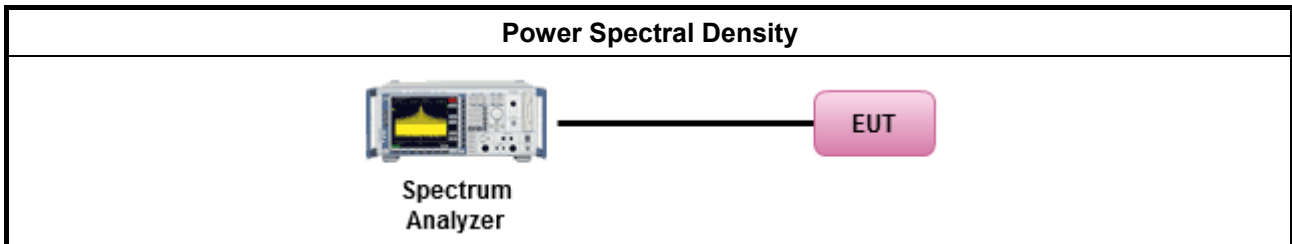
3.4.2 Measuring Instruments

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.

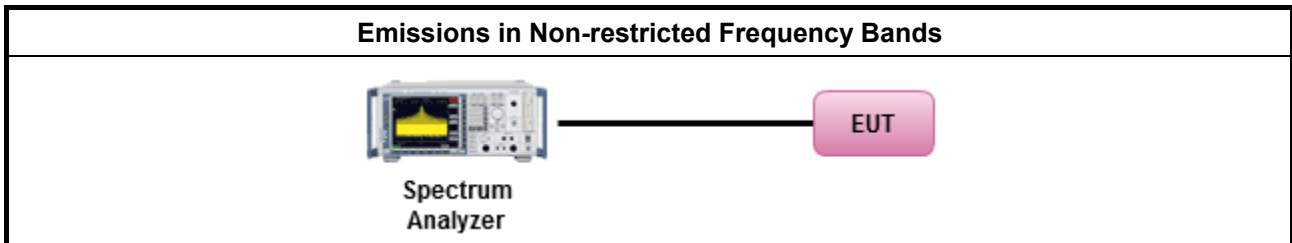
3.5.2 Measuring Instruments

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

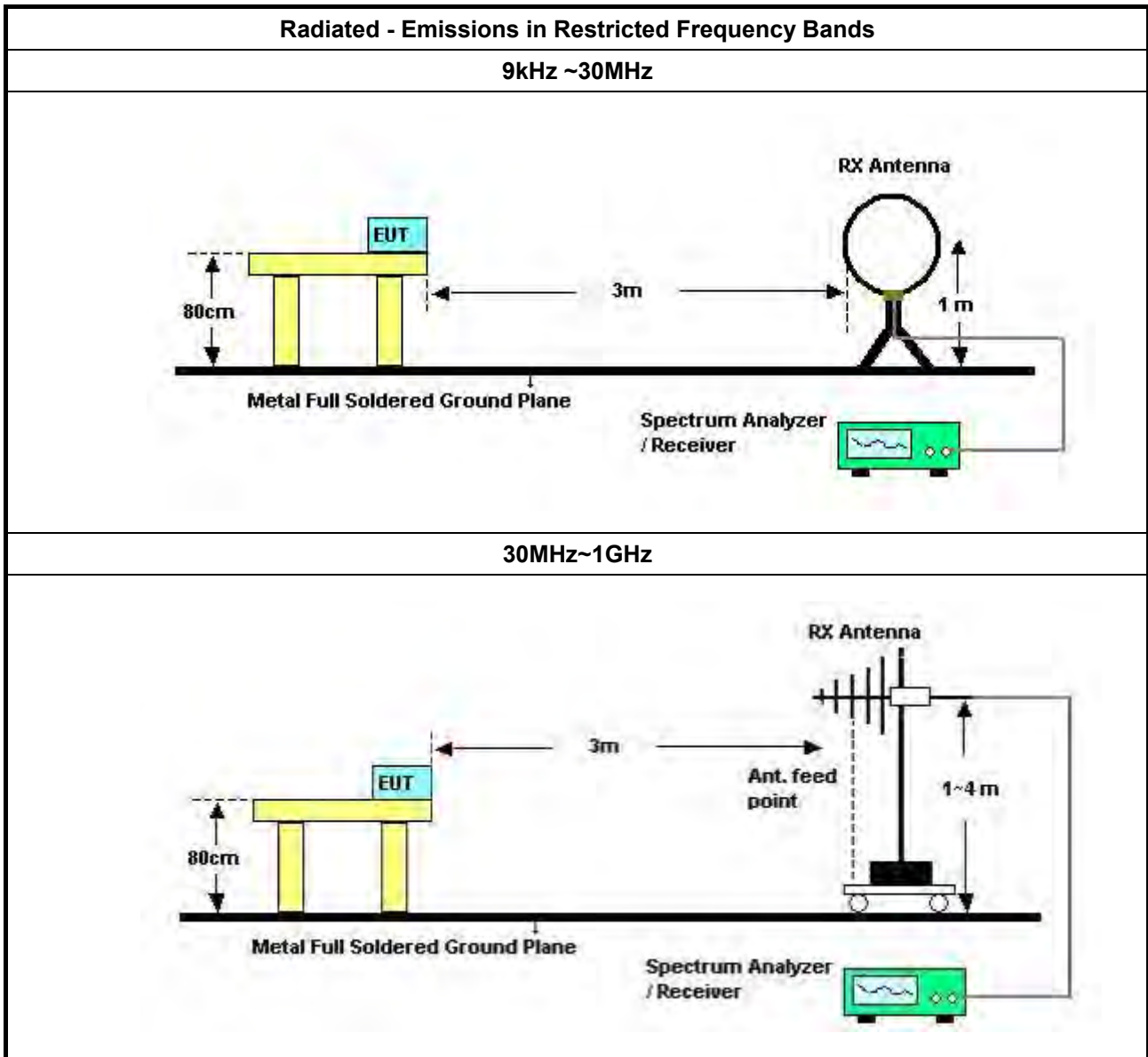
Refer a test equipment and calibration data table in this test report.

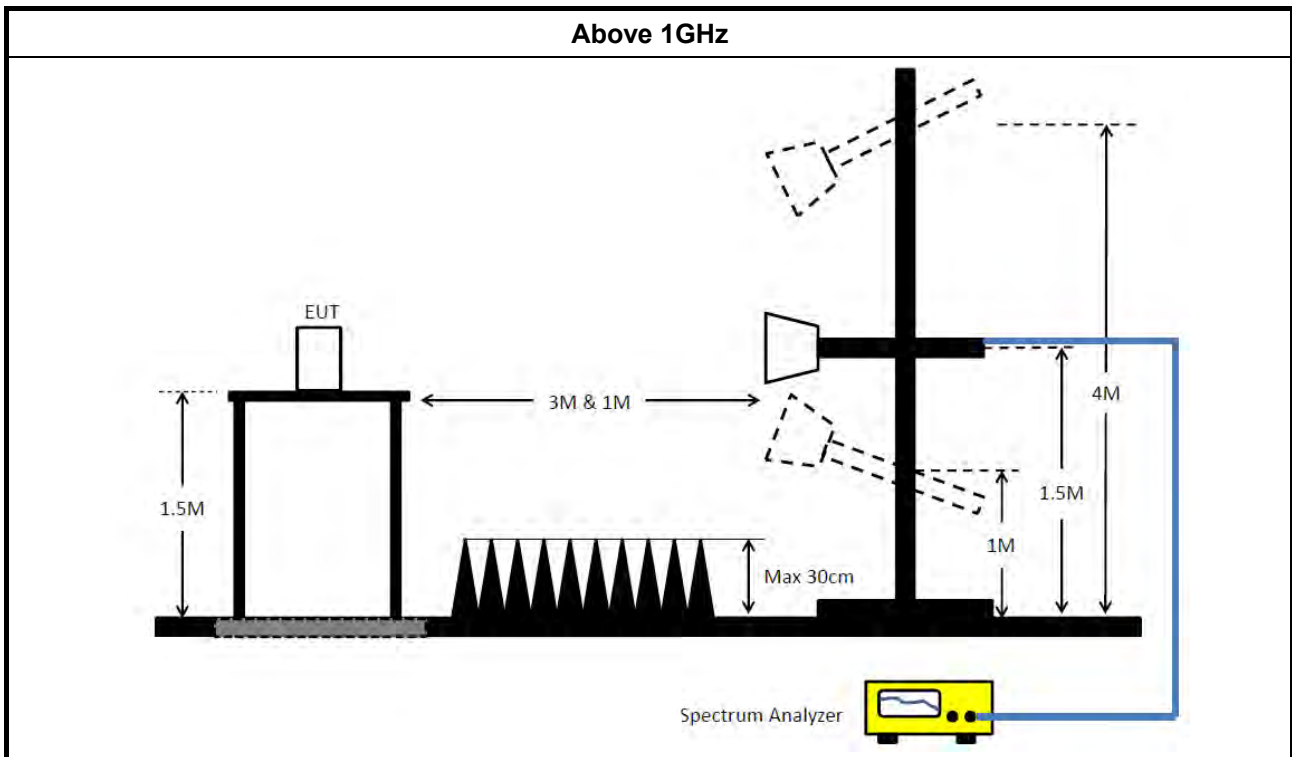


3.6.3 Test Procedures

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	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 07, 2021	May 06, 2022	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 14, 2021	Sep. 13, 2022	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 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)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 06, 2021	May 05, 2022	Radiation (03CH03-CB)
Horn Antenna	ETS · Lindgren	3115	6821	750MHz~18GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 04, 2021	Jun. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Aug. 08, 2021	Aug. 07, 2022	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 09, 2021	Oct. 08, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Dec. 17, 2020	Dec. 16, 2021	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Feb. 19, 2021	Feb. 18, 2022	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz – 1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 15, 2021	Apr. 14, 2022	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)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

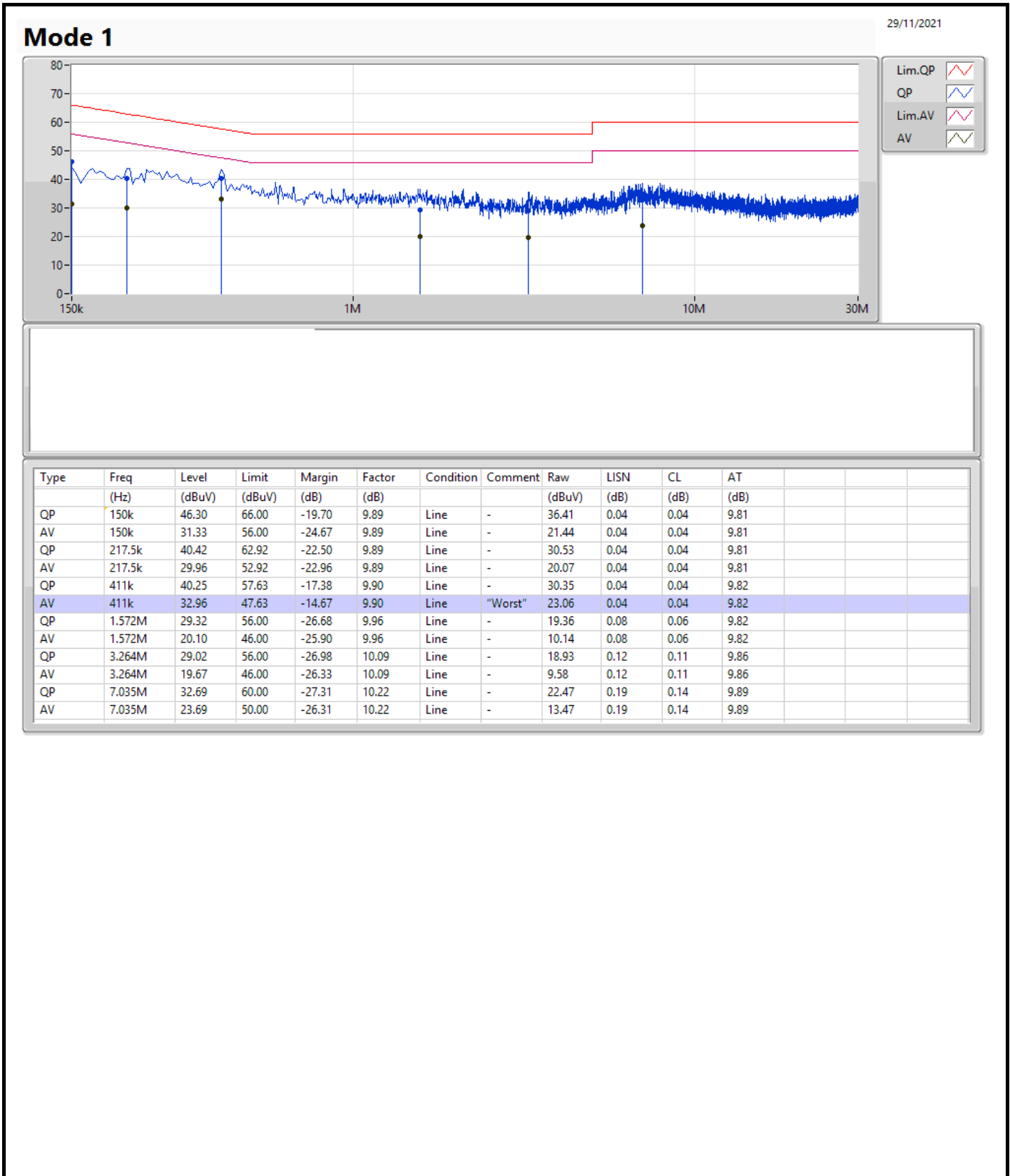
Note: Calibration Interval of instruments listed above is one year.

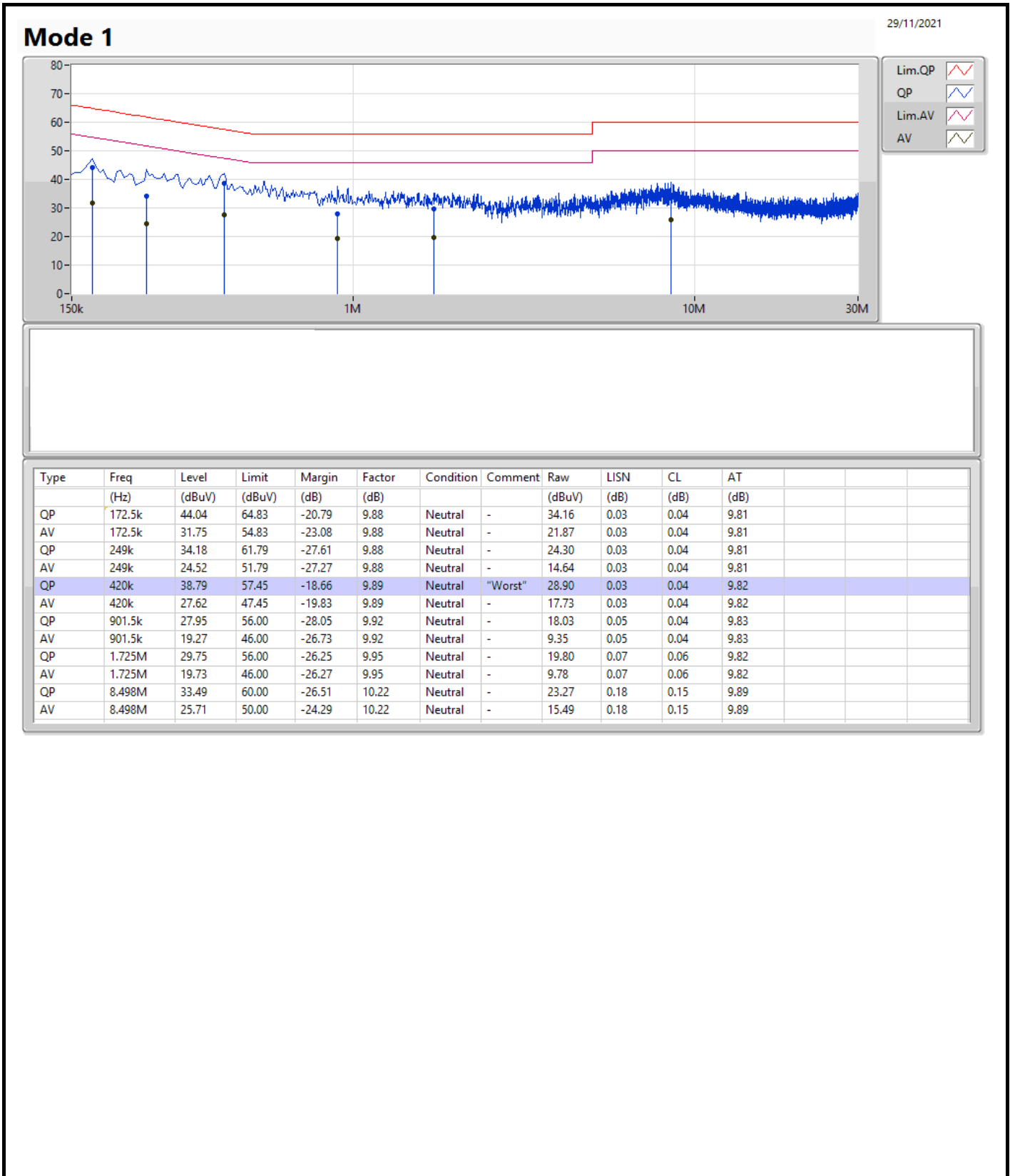
NCR means Non-Calibration required.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	411k	32.96	47.63	-14.67	Line







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	8.025M	13.218M	13M2G1D	7.05M	12.994M
802.11g_Nss1,(6Mbps)_2TX	16.275M	16.467M	16M5D1D	15.425M	16.417M

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	8M	12.994M	7.55M	13.018M
2437MHz	Pass	500k	7.55M	13.218M	8.025M	13.143M
2462MHz	Pass	500k	7.55M	12.994M	7.05M	13.018M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.75M	16.417M	15.425M	16.442M
2437MHz	Pass	500k	15.725M	16.467M	16.275M	16.467M
2462MHz	Pass	500k	15.525M	16.442M	15.625M	16.417M

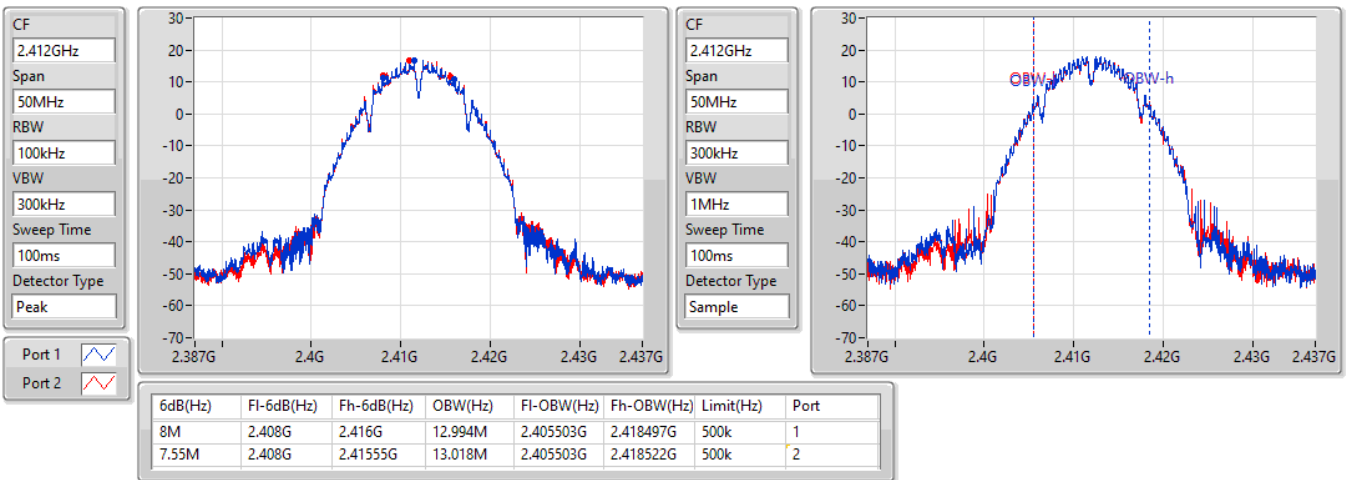
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

17/11/2021

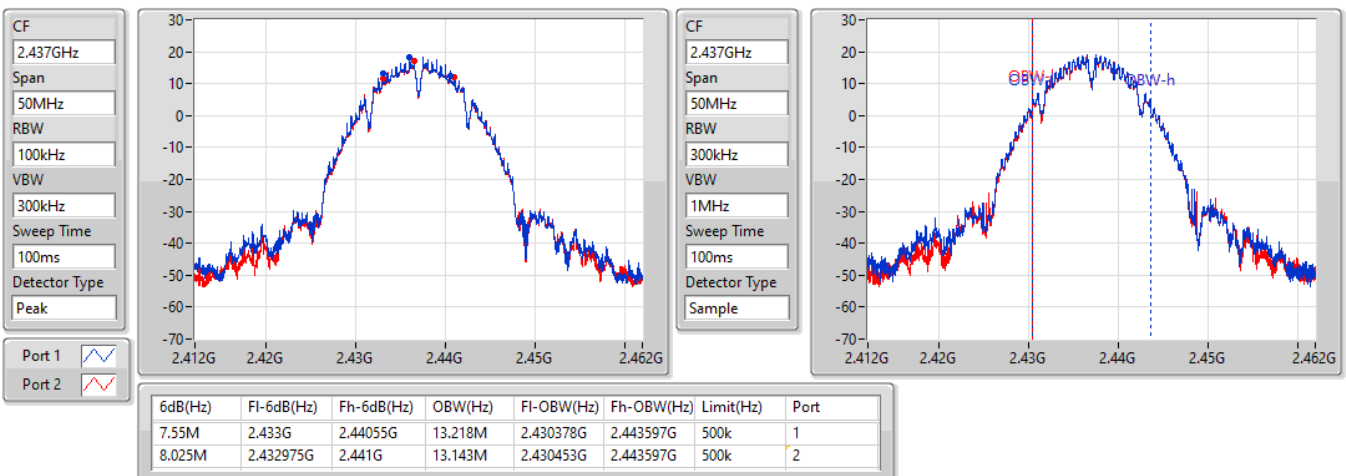


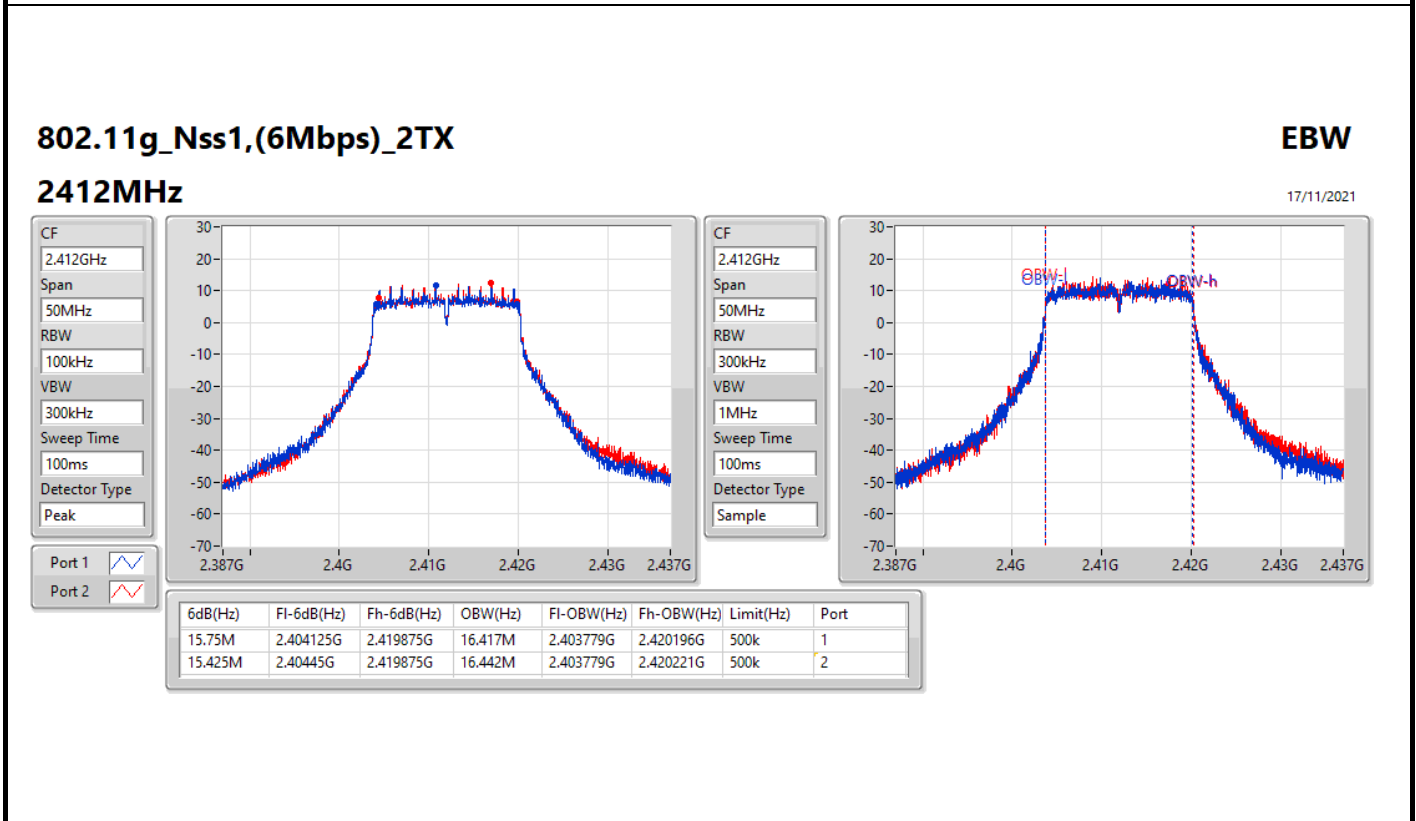
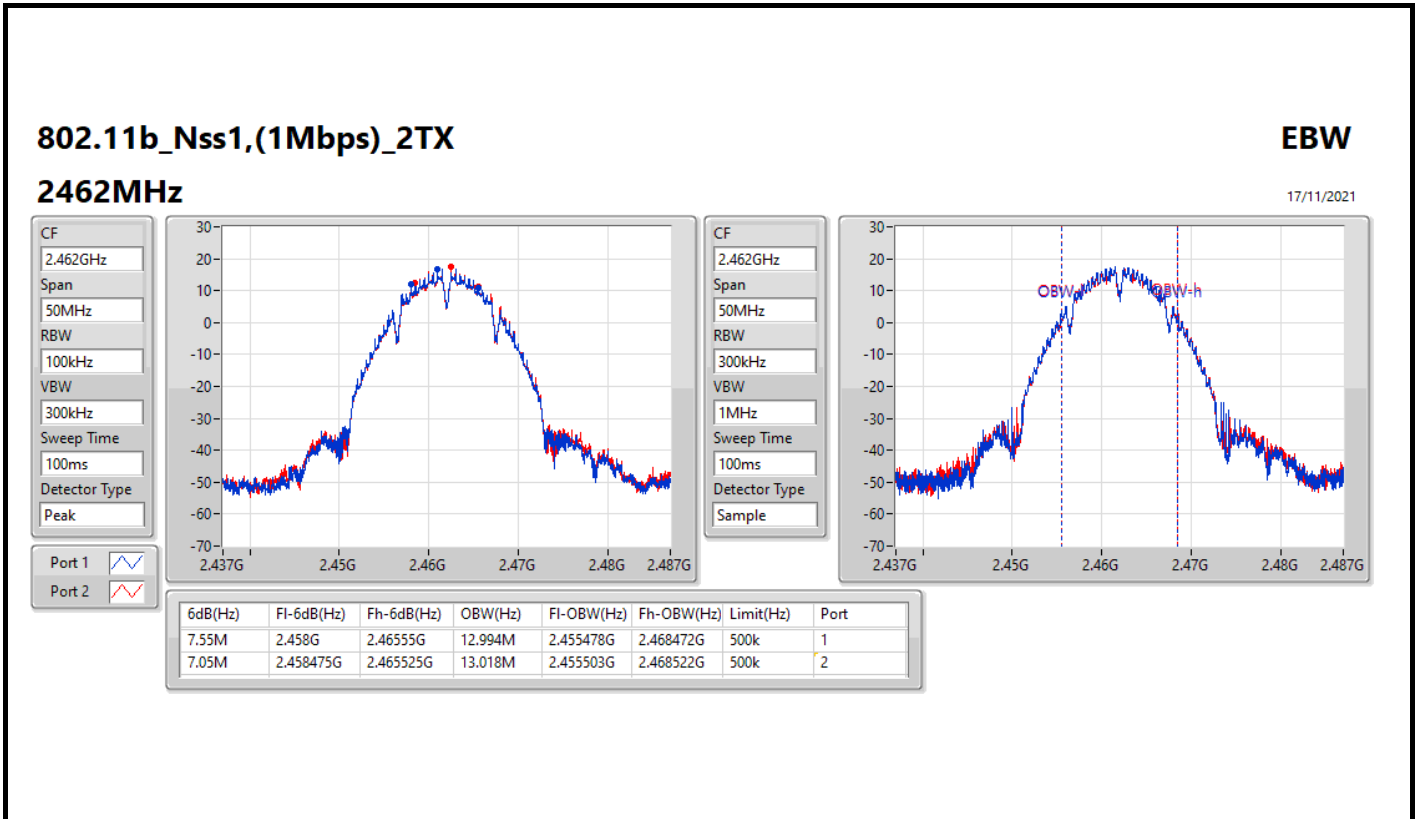
802.11b_Nss1,(1Mbps)_2TX

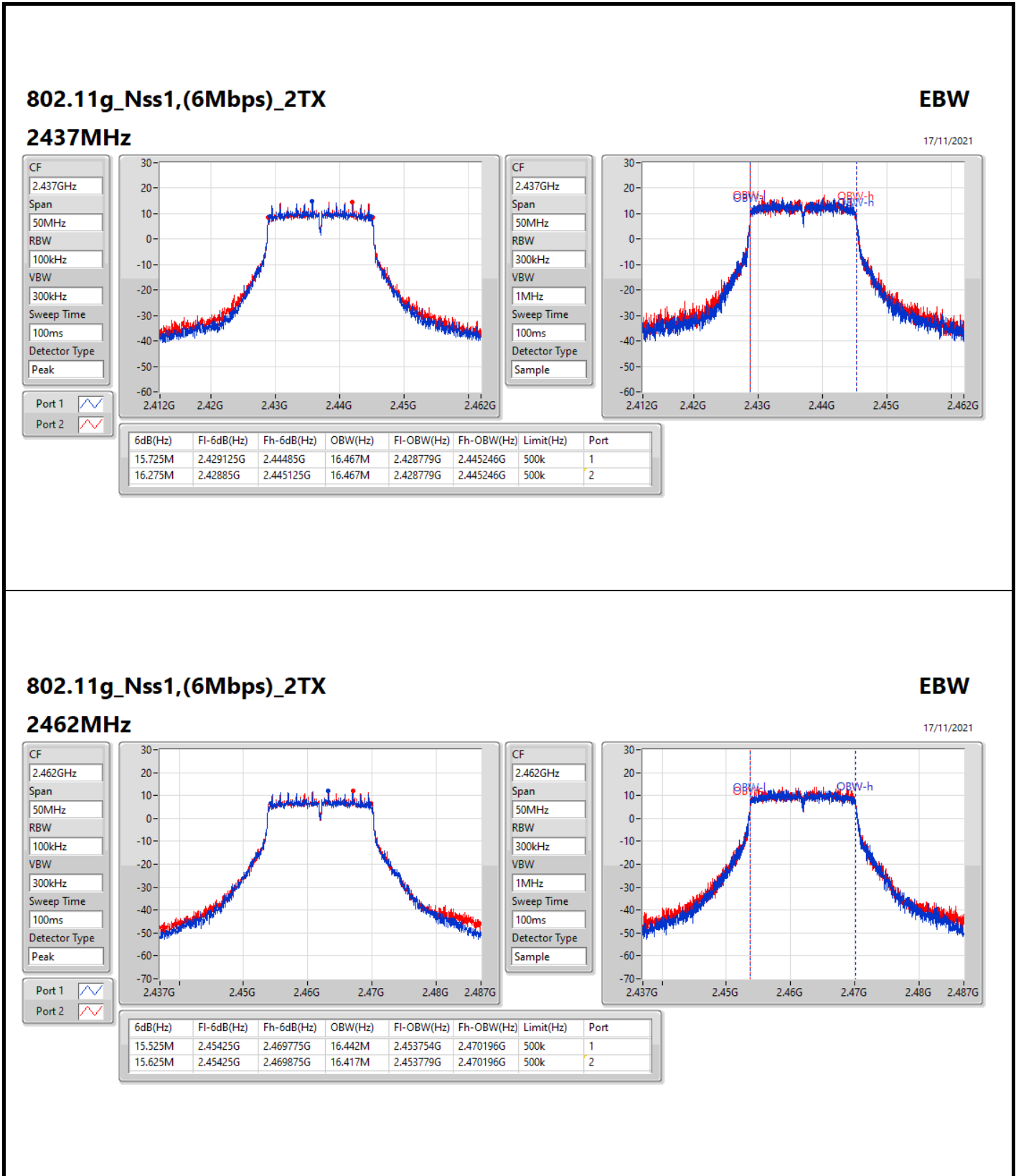
EBW

2437MHz

17/11/2021









Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.325M	18.916M	18M9D1D	16.425M	18.891M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.65M	38.031M	38M0D1D	33.85M	37.881M

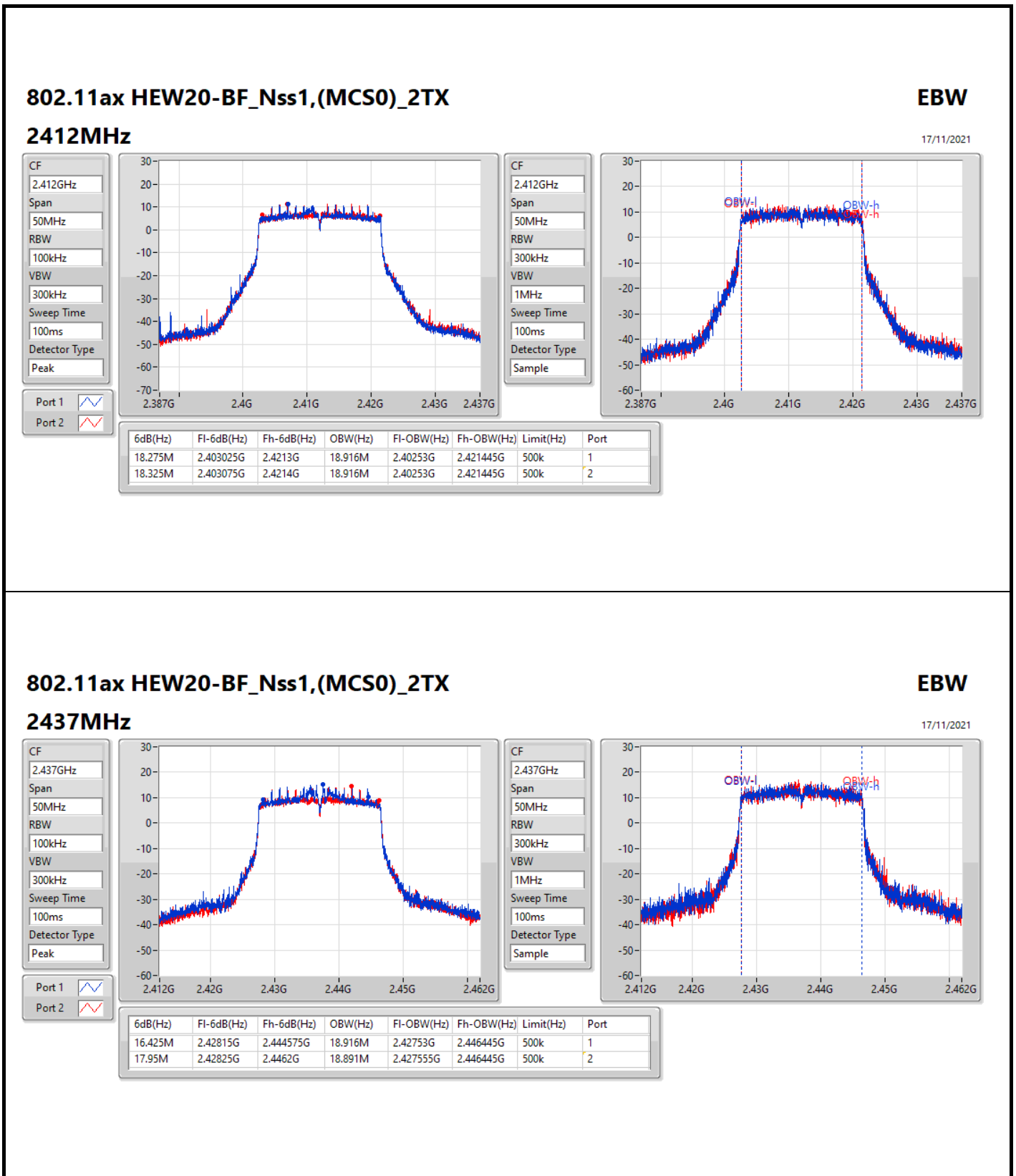
Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.275M	18.916M	18.325M	18.916M
2437MHz	Pass	500k	16.425M	18.916M	17.95M	18.891M
2462MHz	Pass	500k	18.225M	18.916M	18.2M	18.916M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	33.85M	37.931M	37.05M	37.931M
2437MHz	Pass	500k	36.9M	37.881M	37.65M	38.031M
2452MHz	Pass	500k	36.45M	37.881M	37.5M	37.881M

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

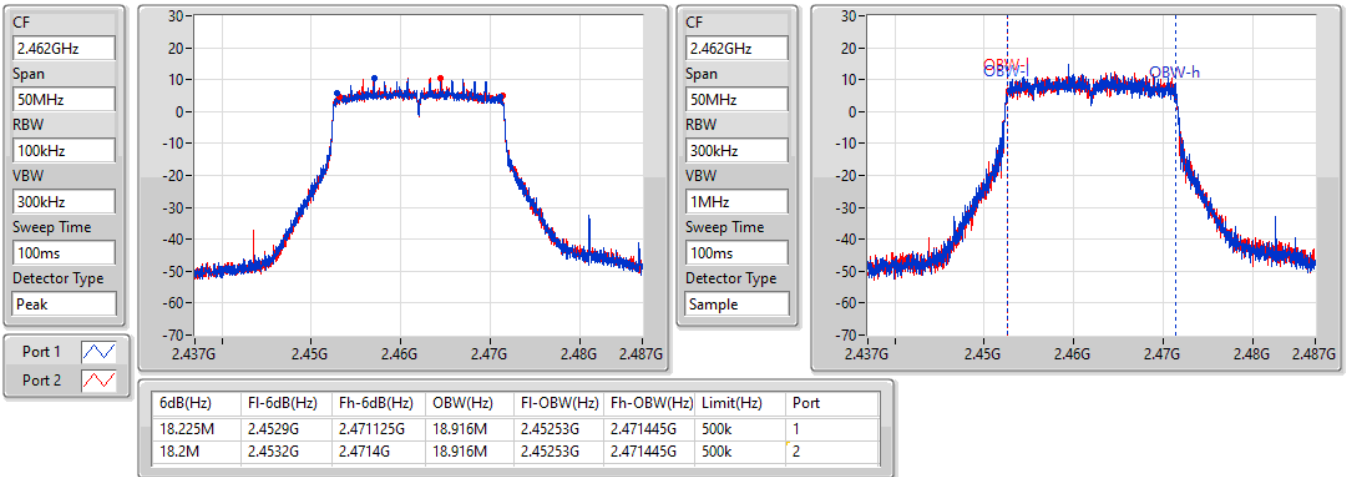


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

17/11/2021

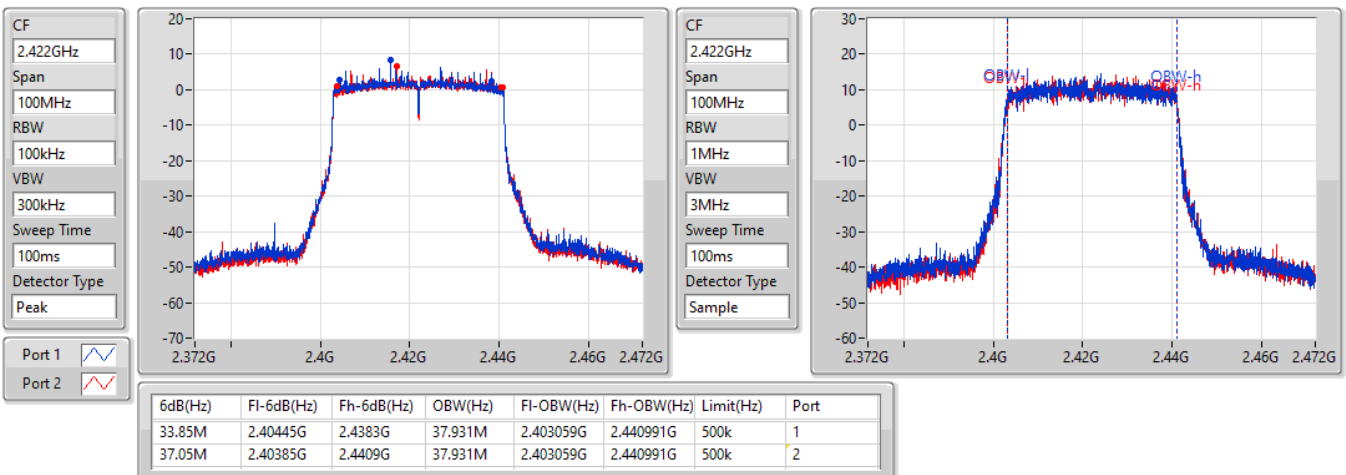


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

17/11/2021

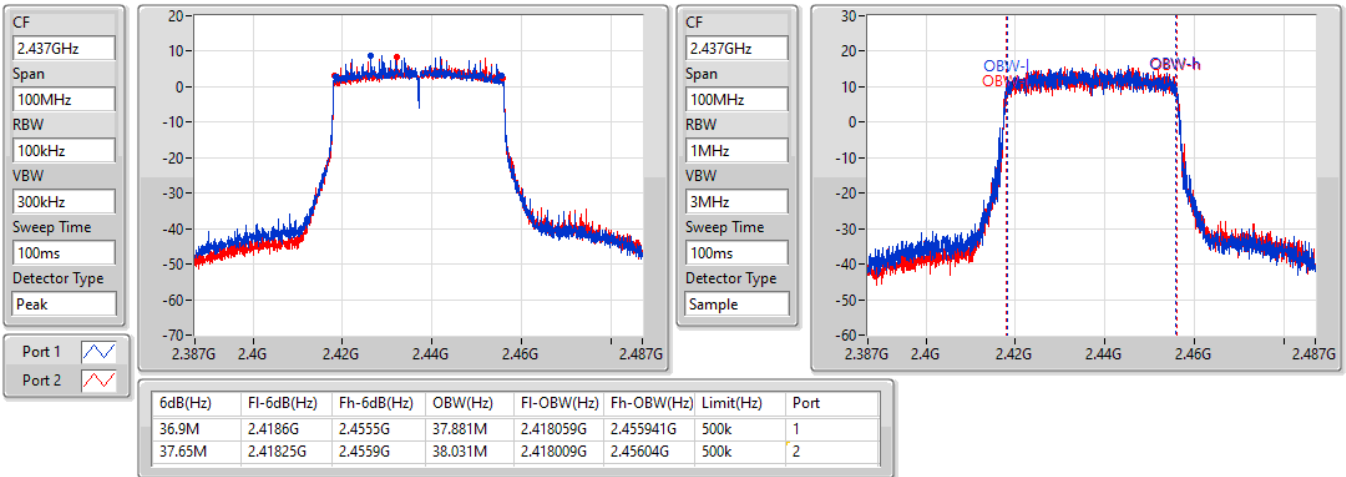


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

17/11/2021

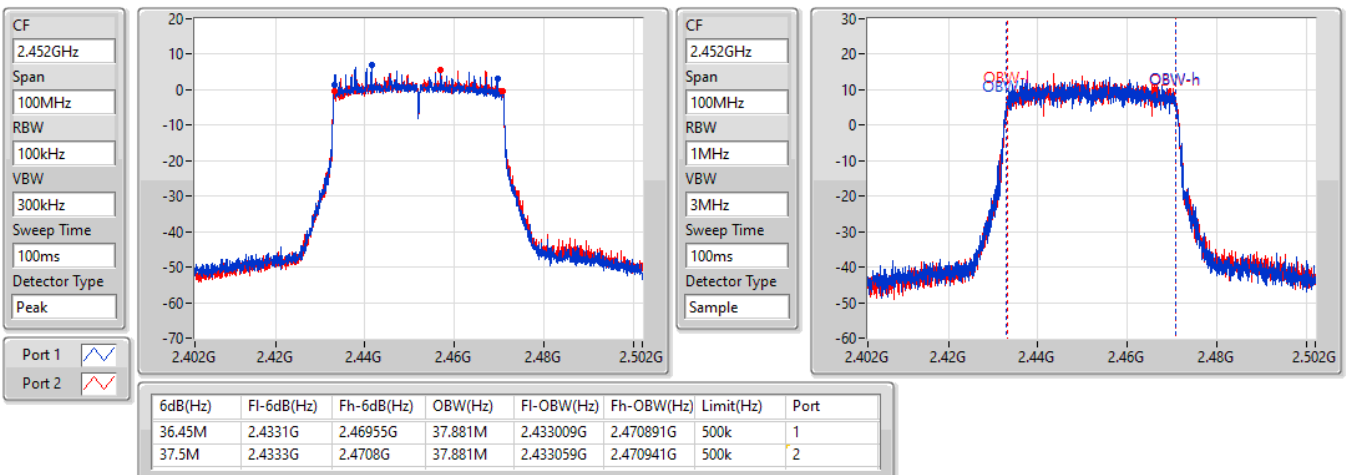


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

17/11/2021





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.31	0.85310
802.11g_Nss1,(6Mbps)_2TX	28.04	0.63680



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.626	25.11	25.16	28.15	30.00
2437MHz	Pass	2.626	26.39	26.20	29.31	30.00
2462MHz	Pass	2.626	24.60	24.44	27.53	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.626	22.12	22.34	25.24	30.00
2437MHz	Pass	2.626	25.01	25.04	28.04	30.00
2462MHz	Pass	2.626	22.34	22.62	25.49	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	26.43	0.43954
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	24.26	0.26669



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	5.632	21.87	21.46	24.68	30.00
2437MHz	Pass	5.632	23.44	23.40	26.43	30.00
2462MHz	Pass	5.632	20.83	20.44	23.65	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.632	20.09	19.77	22.94	30.00
2437MHz	Pass	5.632	21.22	21.28	24.26	30.00
2452MHz	Pass	5.632	19.16	19.03	22.11	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	4.90
802.11g_Nss1,(6Mbps)_2TX	-0.28

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	5.632	2.57	0.94	3.70	8.00
2437MHz	Pass	5.632	3.06	2.28	4.90	8.00
2462MHz	Pass	5.632	1.35	1.12	4.22	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.632	-5.27	-5.49	-3.09	8.00
2437MHz	Pass	5.632	-1.90	-1.62	-0.28	8.00
2462MHz	Pass	5.632	-5.40	-4.08	-2.96	8.00

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

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

17/11/2021

CF
2.412GHz

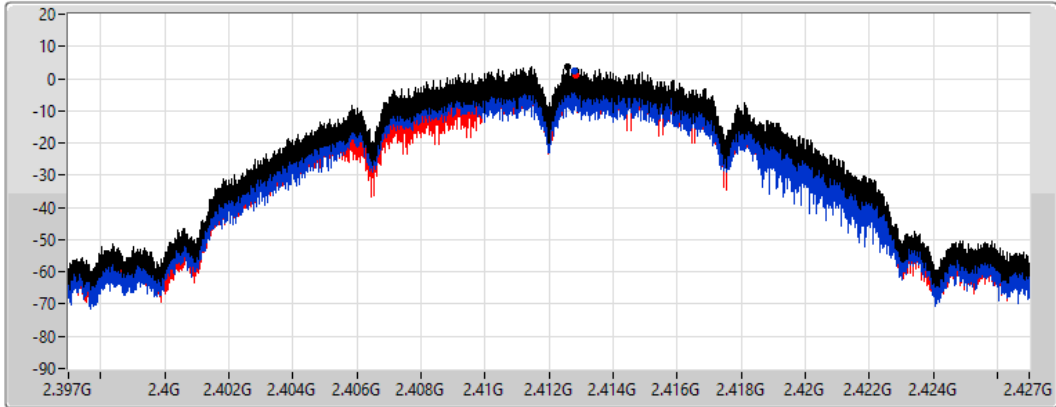
Span
30MHz

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)
3.70	3.70	2.57	0.94

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

17/11/2021

CF
2.437GHz

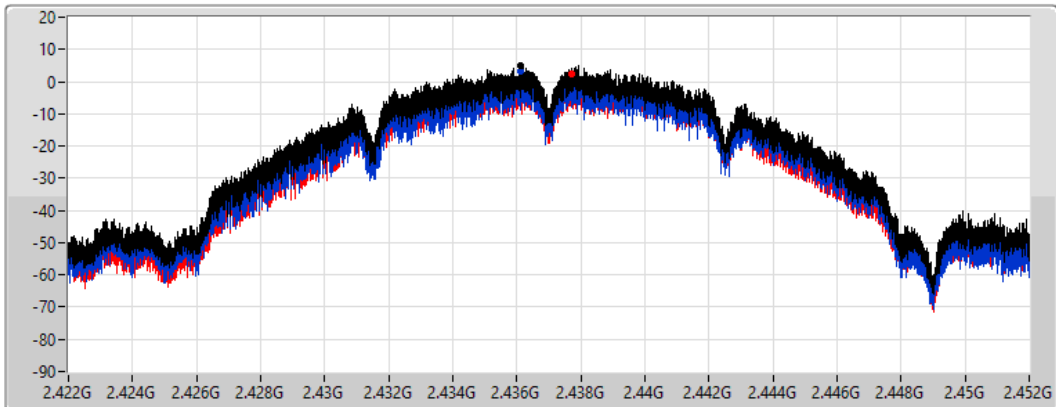
Span
30MHz

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)
4.90	4.90	3.06	2.28

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

17/11/2021

CF
2.462GHz

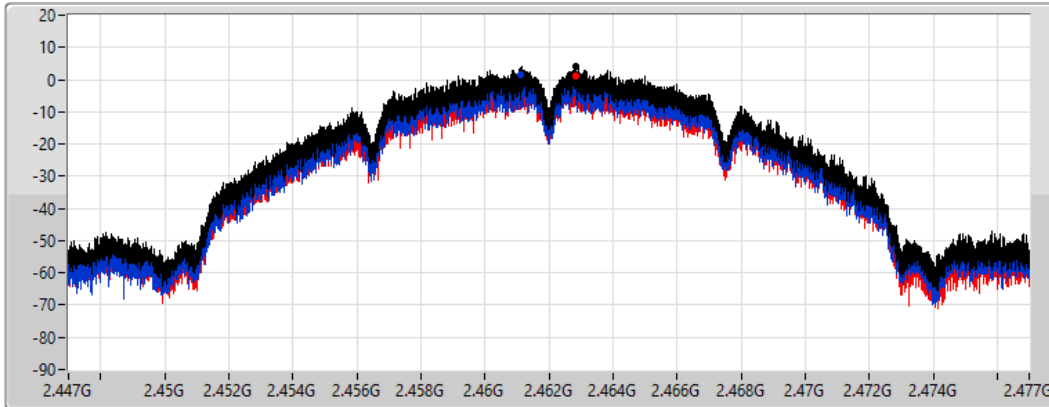
Span
30MHz

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)
4.22	4.22	1.35	1.12

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

17/11/2021

CF
2.412GHz

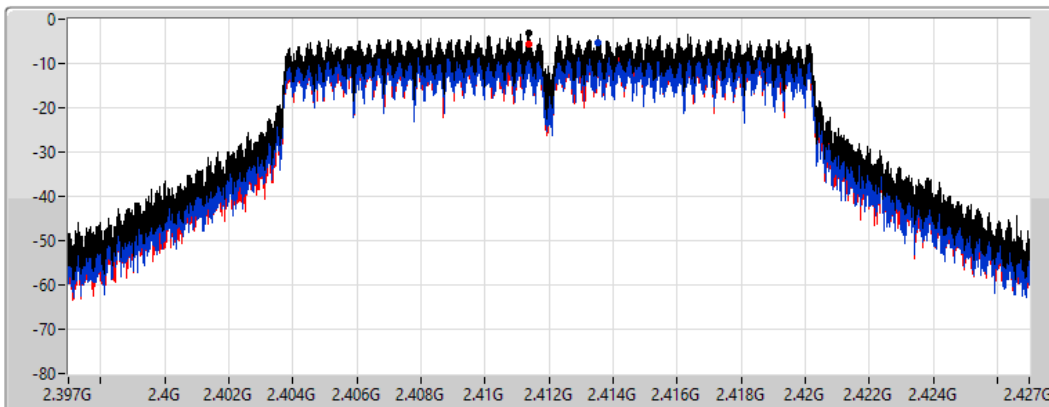
Span
30MHz

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)
-3.09	-3.09	-5.27	-5.49

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

17/11/2021

CF
2.437GHz

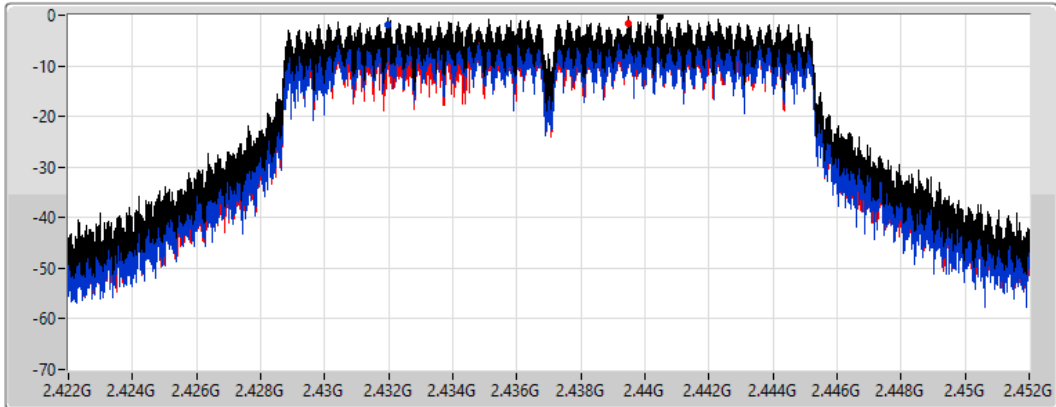
Span
30MHz


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)
-0.28	-0.28	-1.90	-1.62

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

17/11/2021

CF
2.462GHz

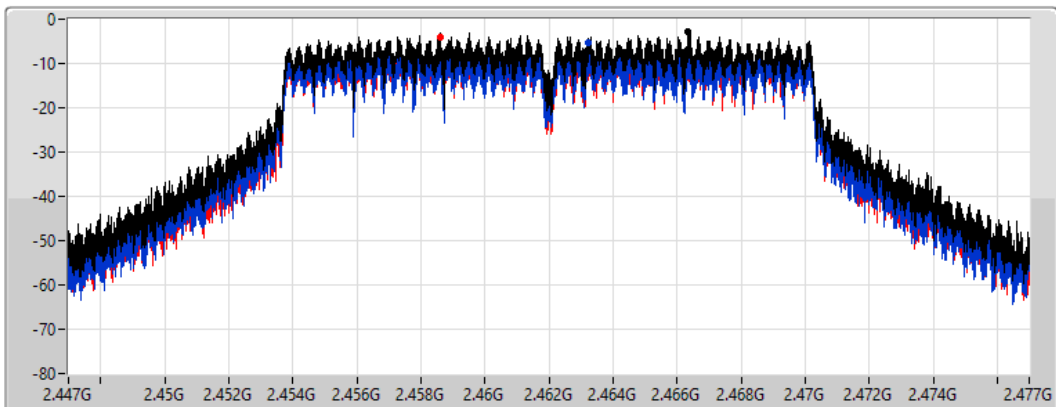
Span
30MHz


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)
-2.96	-2.96	-5.40	-4.08



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-1.04
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-6.14

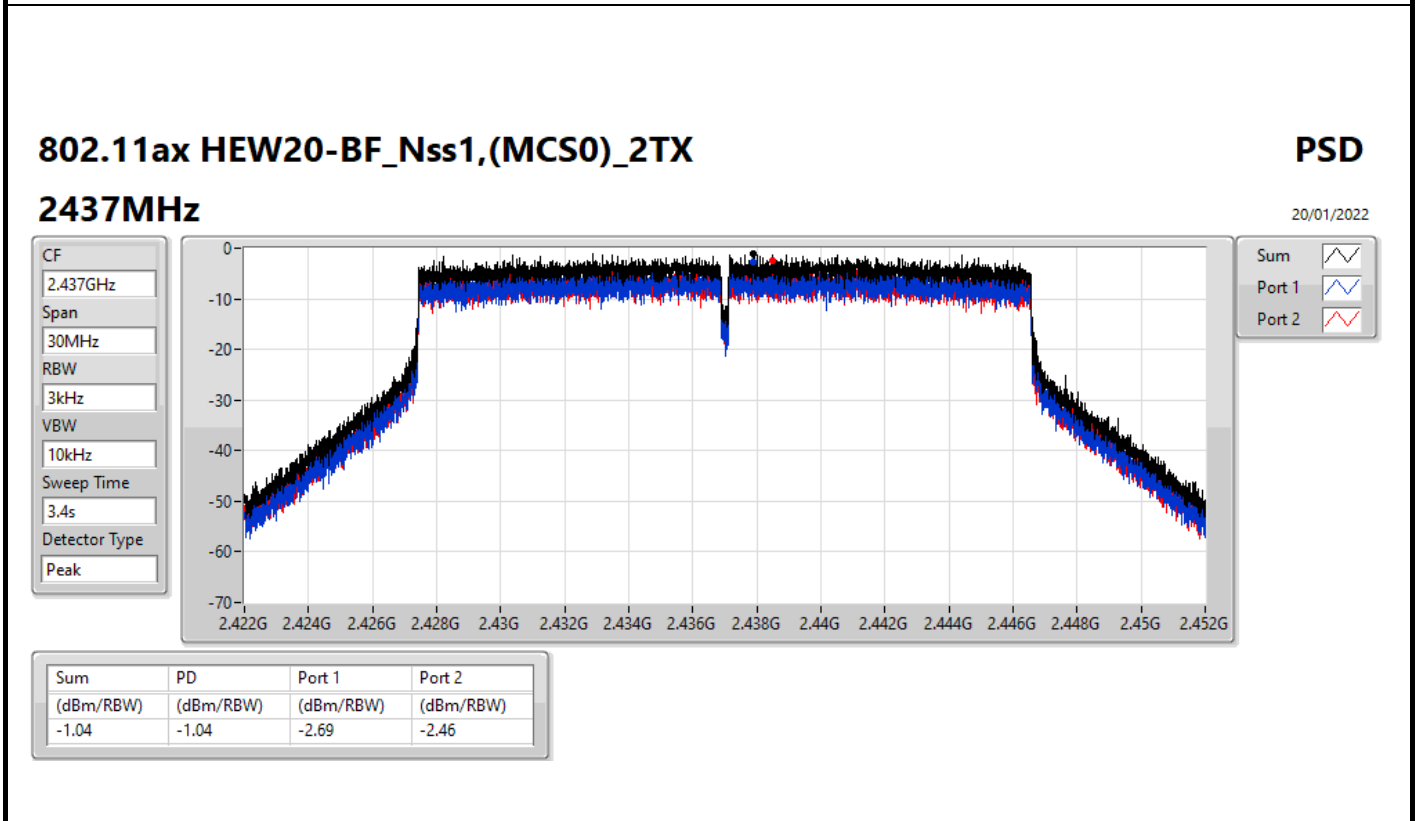
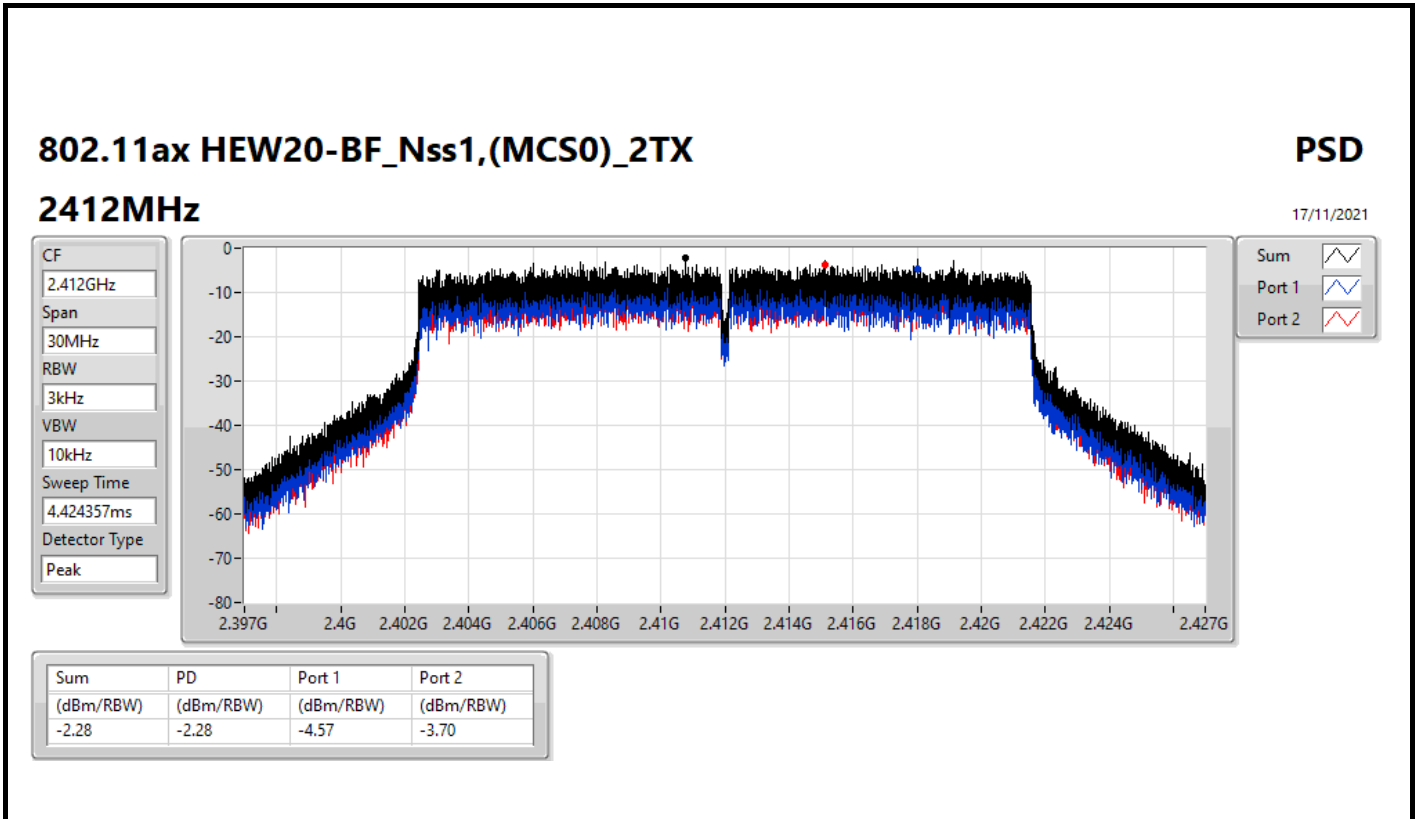
RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.632	-4.57	-3.70	-2.28	8.00
2437MHz	Pass	5.632	-2.69	-2.46	-1.04	8.00
2462MHz	Pass	5.632	-5.44	-4.28	-3.42	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.632	-8.91	-7.99	-6.81	8.00
2437MHz	Pass	5.632	-7.94	-8.05	-6.14	8.00
2452MHz	Pass	5.632	-8.62	-7.90	-7.29	8.00

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



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

17/11/2021

CF
2.462GHz

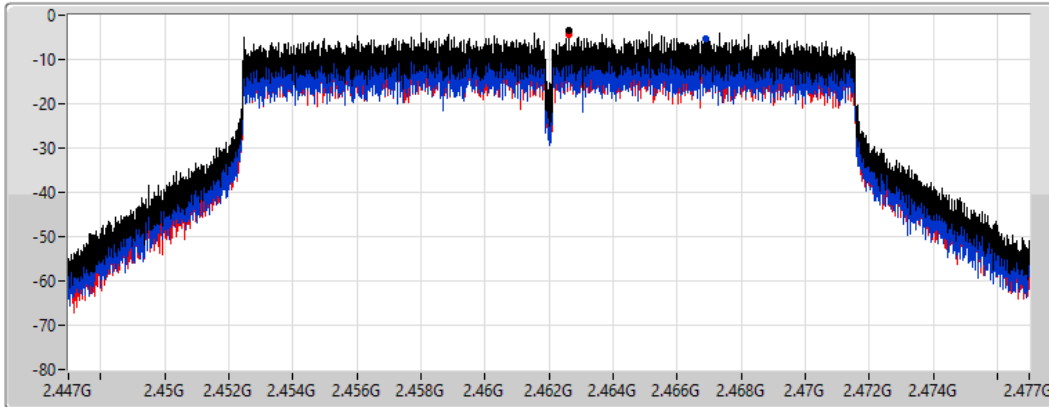
Span
30MHz


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)
-3.42	-3.42	-5.44	-4.28

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

17/11/2021

CF
2.422GHz

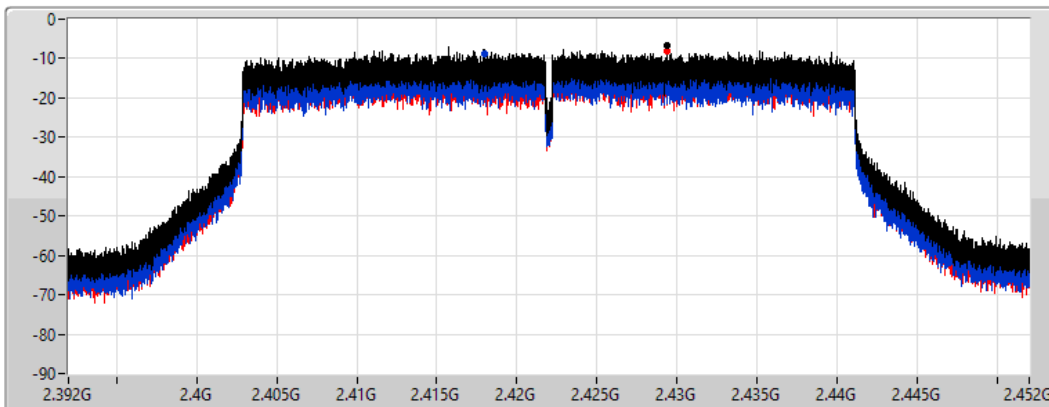
Span
60MHz


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)
-6.81	-6.81	-8.91	-7.99

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

20/01/2022

CF
2.437GHz

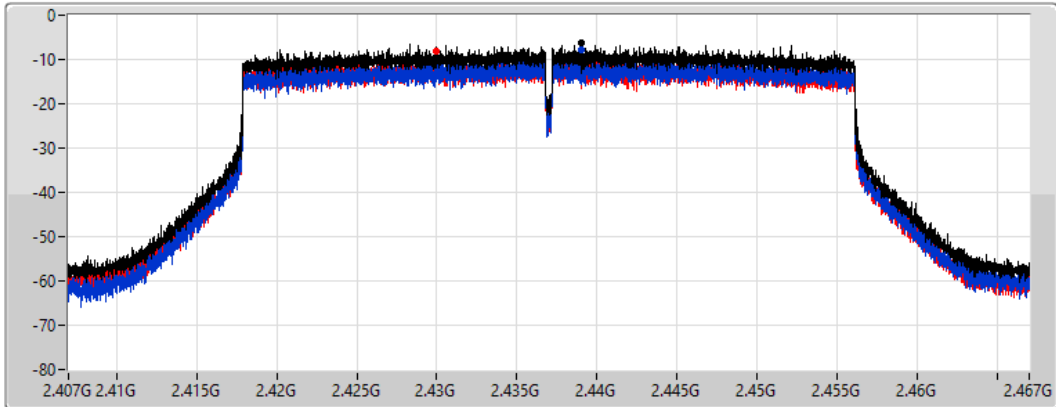
Span
60MHz


RBW
3kHz


VBW
10kHz


Sweep Time
6.8s

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.14	-6.14	-7.94	-8.05

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

17/11/2021

CF
2.452GHz

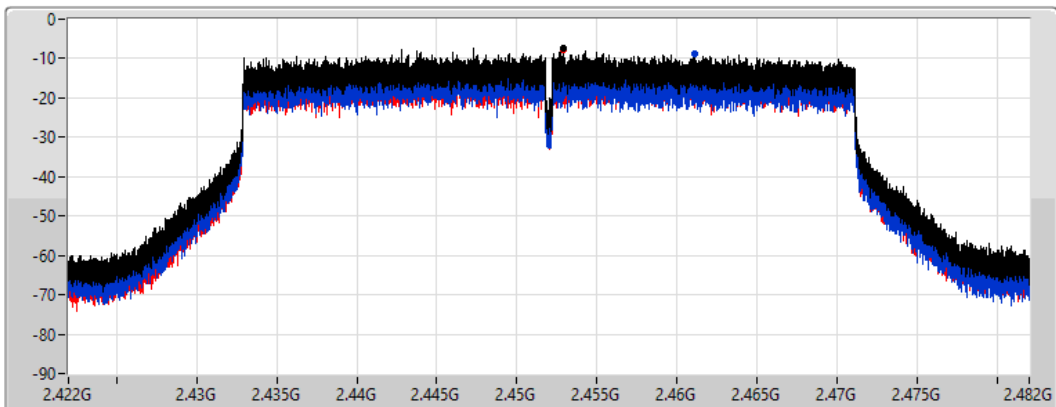
Span
60MHz


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)
-7.29	-7.29	-8.62	-7.90



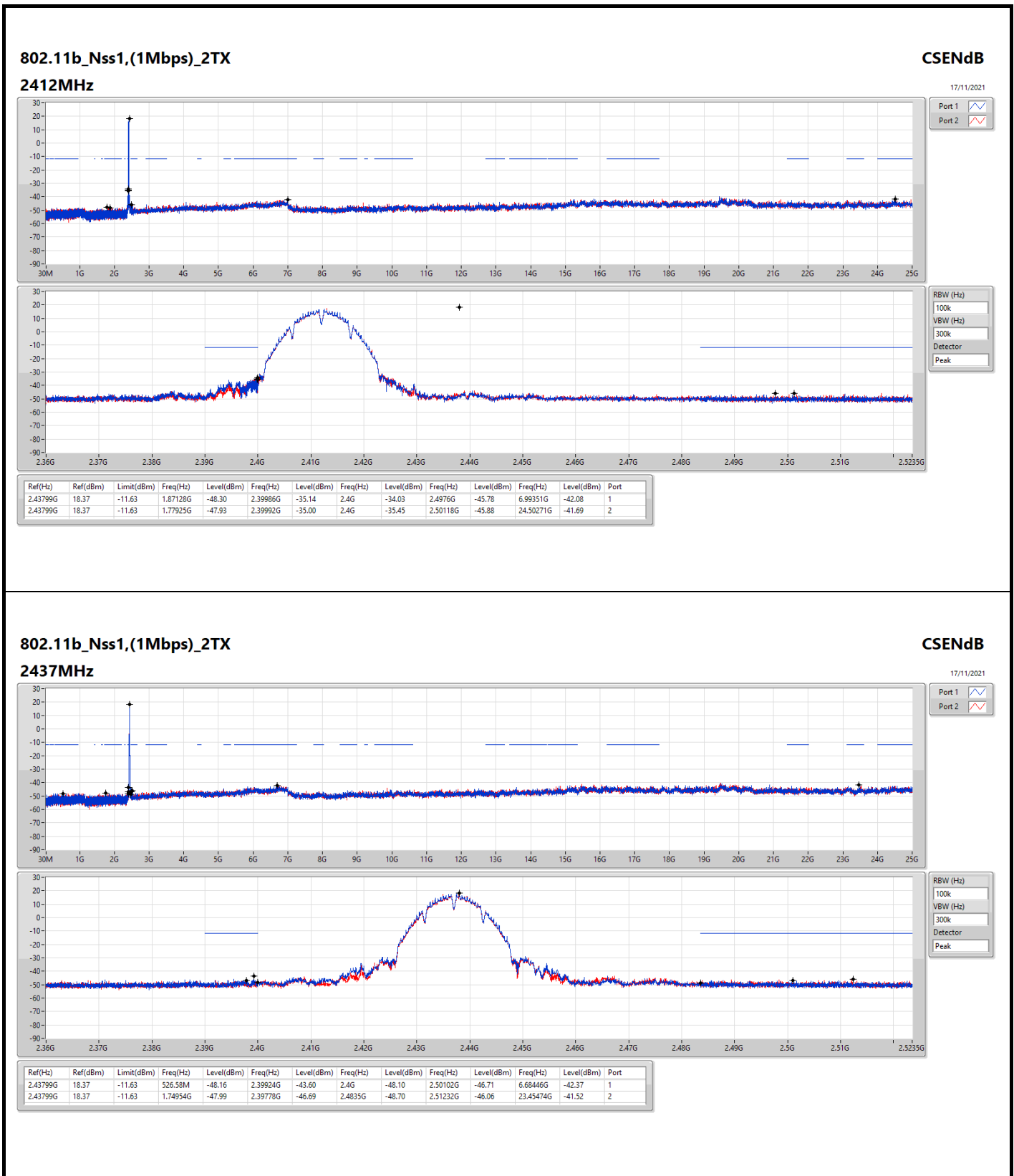
Summary

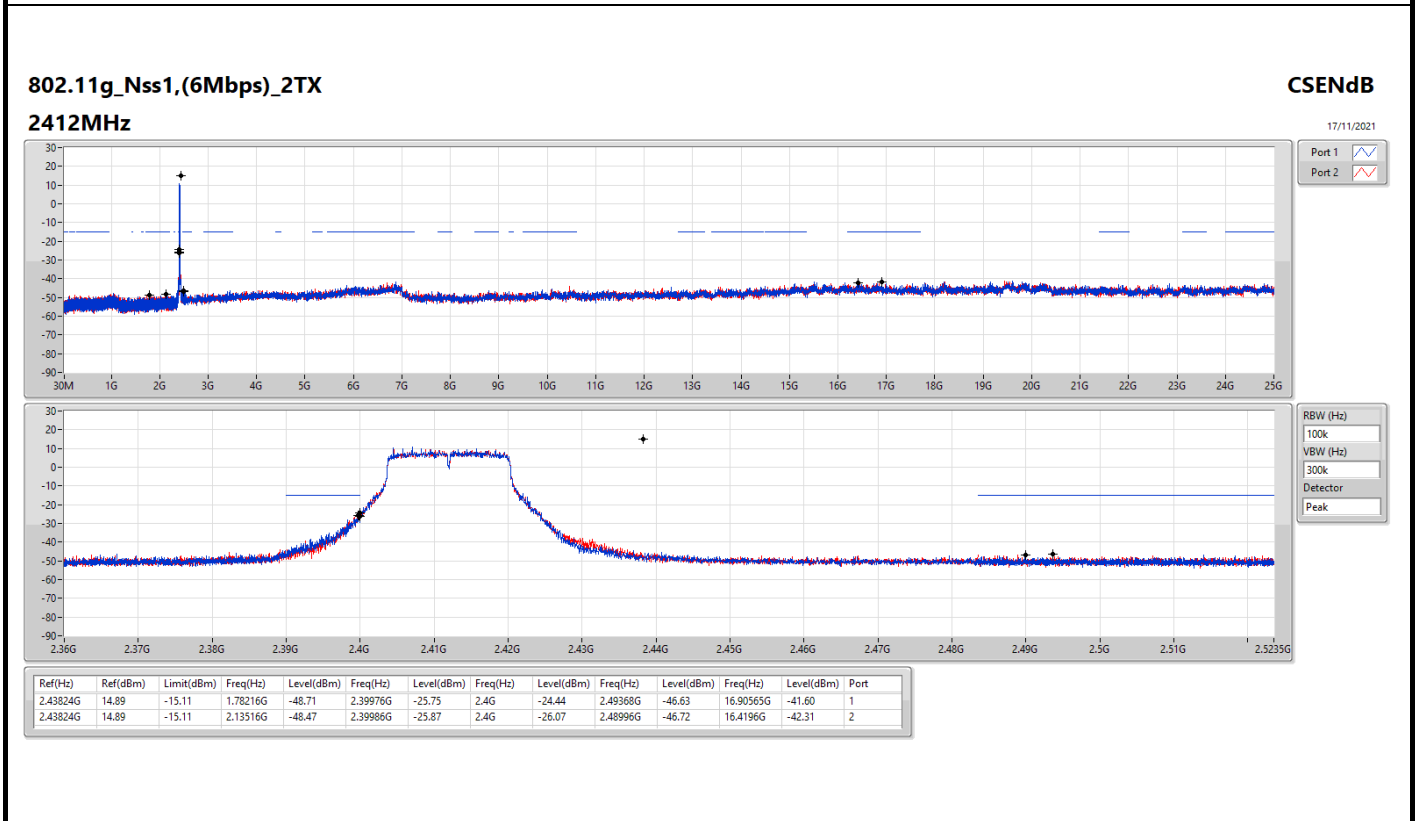
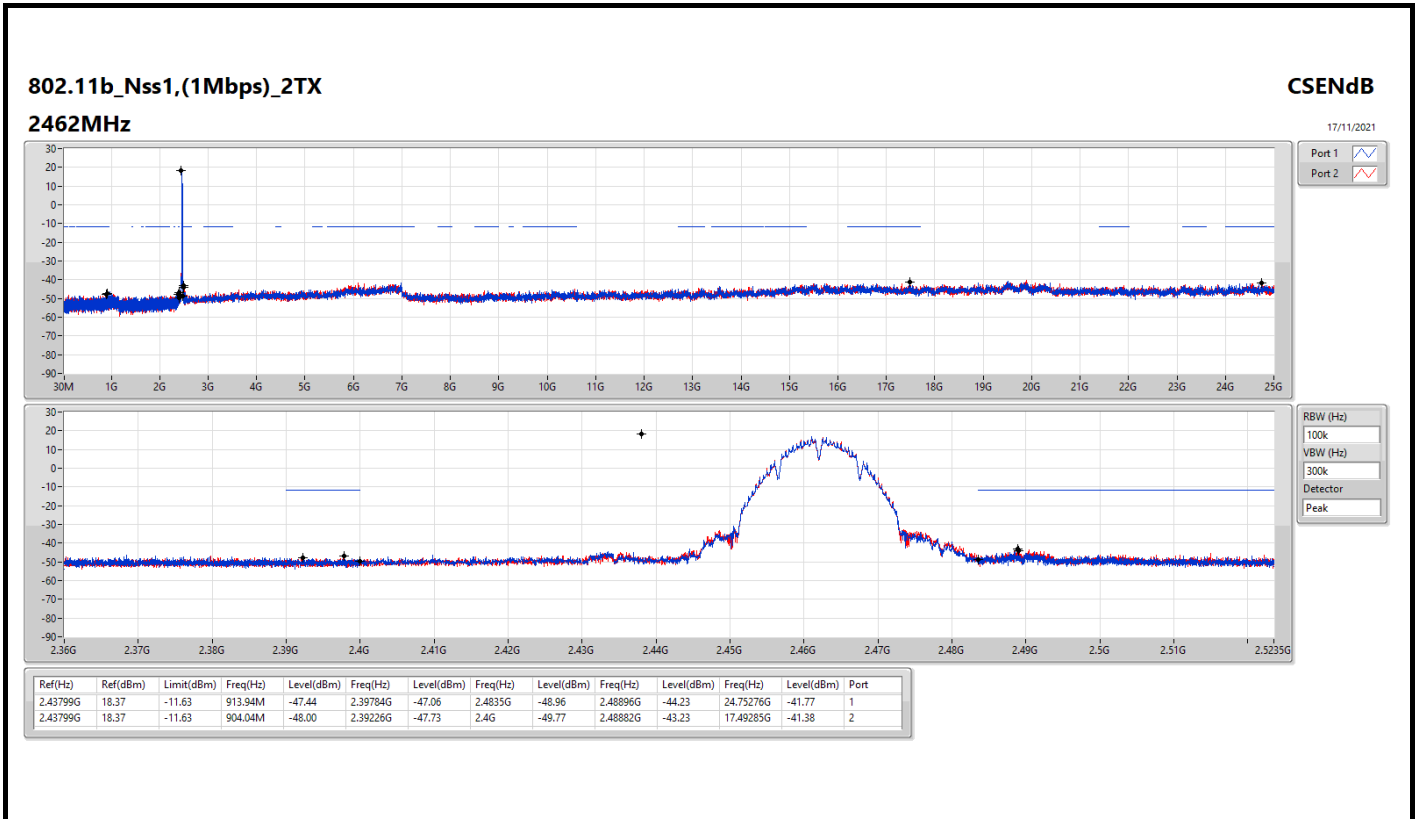
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43799G	18.37	-11.63	1.87128G	-48.30	2.39986G	-35.14	2.4G	-34.03	2.4976G	-45.78	6.99351G	-42.08	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	14.89	-15.11	1.78216G	-48.71	2.39976G	-25.75	2.4G	-24.44	2.49368G	-46.63	16.90565G	-41.60	1

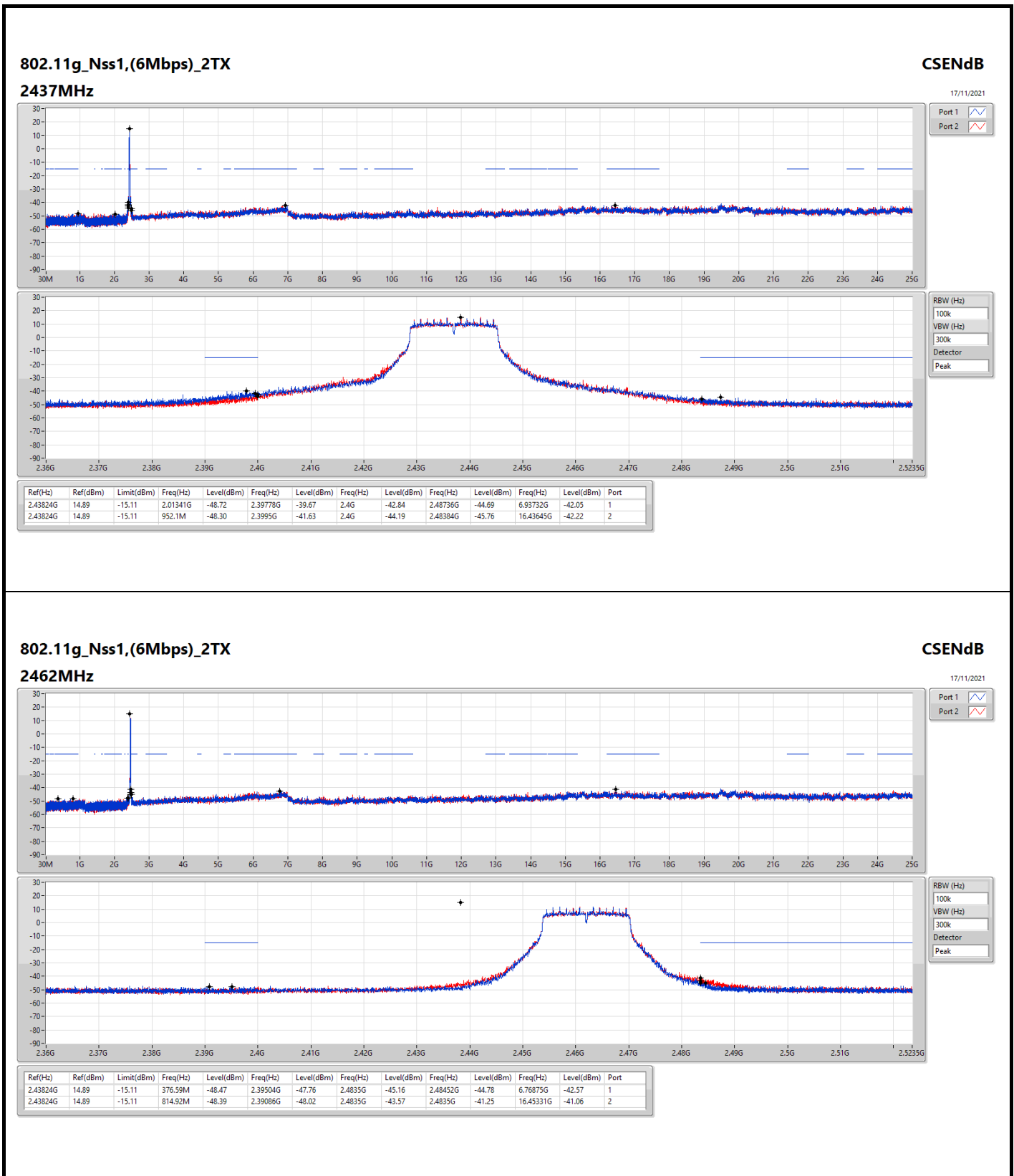


Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	18.37	-11.63	1.87128G	-48.30	2.39986G	-35.14	2.4G	-34.03	2.4976G	-45.78	6.99351G	-42.08	1
2412MHz	Pass	2.43799G	18.37	-11.63	1.77925G	-47.93	2.39992G	-35.00	2.4G	-35.45	2.50118G	-45.88	24.50271G	-41.69	2
2437MHz	Pass	2.43799G	18.37	-11.63	526.58M	-48.16	2.39924G	-43.60	2.4G	-48.10	2.50102G	-46.71	6.68446G	-42.37	1
2437MHz	Pass	2.43799G	18.37	-11.63	1.74954G	-47.99	2.39778G	-46.69	2.4835G	-48.70	2.51232G	-46.06	23.45474G	-41.52	2
2462MHz	Pass	2.43799G	18.37	-11.63	913.94M	-47.44	2.39784G	-47.06	2.4835G	-48.96	2.48896G	-44.23	24.75276G	-41.77	1
2462MHz	Pass	2.43799G	18.37	-11.63	904.04M	-48.00	2.39226G	-47.73	2.4G	-49.77	2.48882G	-43.23	17.49285G	-41.38	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	14.89	-15.11	1.78216G	-48.71	2.39976G	-25.75	2.4G	-24.44	2.49368G	-46.63	16.90565G	-41.60	1
2412MHz	Pass	2.43824G	14.89	-15.11	2.13516G	-48.47	2.39986G	-25.87	2.4G	-26.07	2.48996G	-46.72	16.4196G	-42.31	2
2437MHz	Pass	2.43824G	14.89	-15.11	2.01341G	-48.72	2.39778G	-39.67	2.4G	-42.84	2.48736G	-44.69	6.93732G	-42.05	1
2437MHz	Pass	2.43824G	14.89	-15.11	952.1M	-48.30	2.3995G	-41.63	2.4G	-44.19	2.48384G	-45.76	16.43645G	-42.22	2
2462MHz	Pass	2.43824G	14.89	-15.11	376.59M	-48.47	2.39504G	-47.76	2.4835G	-45.16	2.48452G	-44.78	6.76875G	-42.57	1
2462MHz	Pass	2.43824G	14.89	-15.11	814.92M	-48.39	2.39086G	-48.02	2.4835G	-43.57	2.4835G	-41.25	16.45331G	-41.06	2









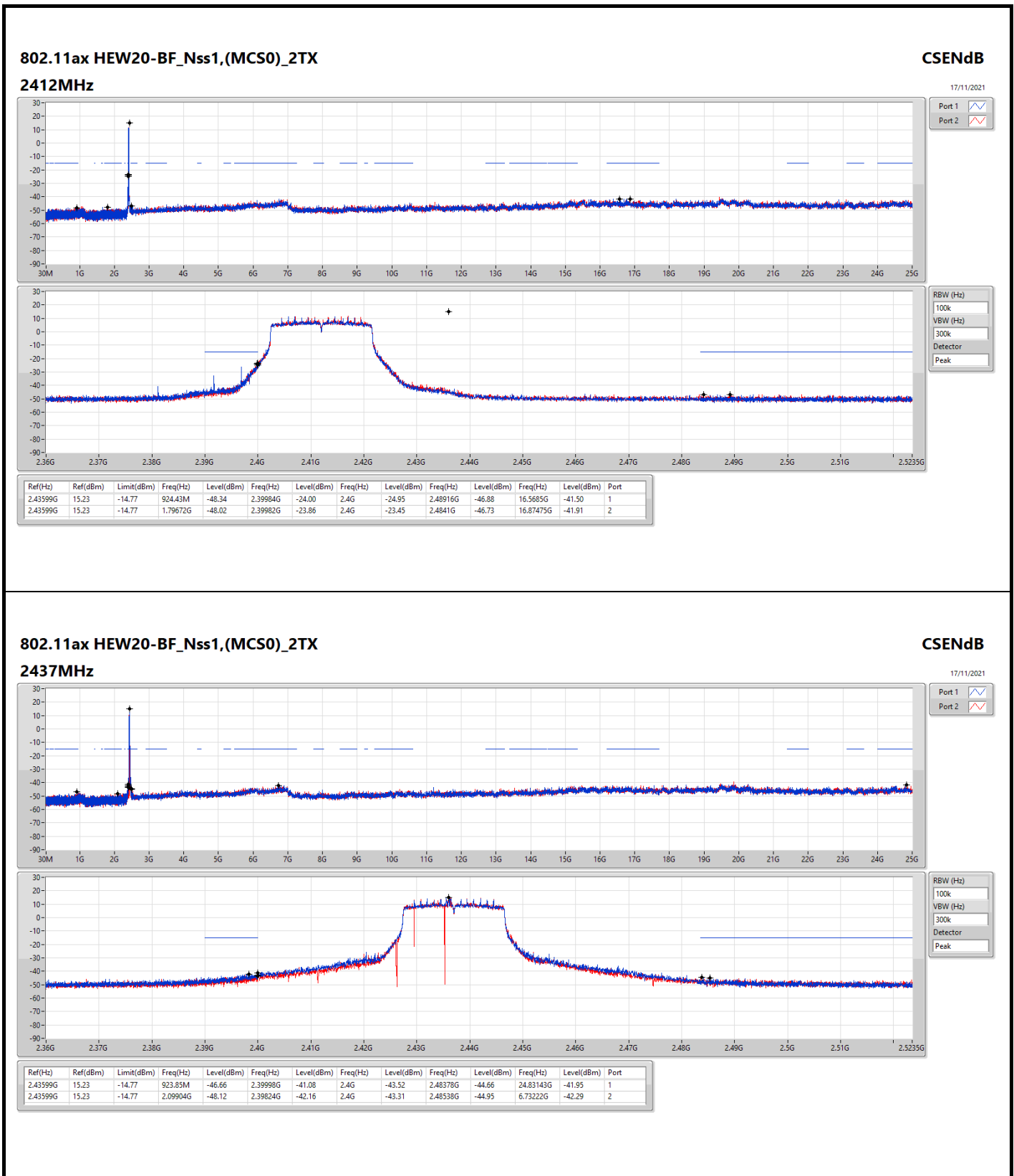
Summary

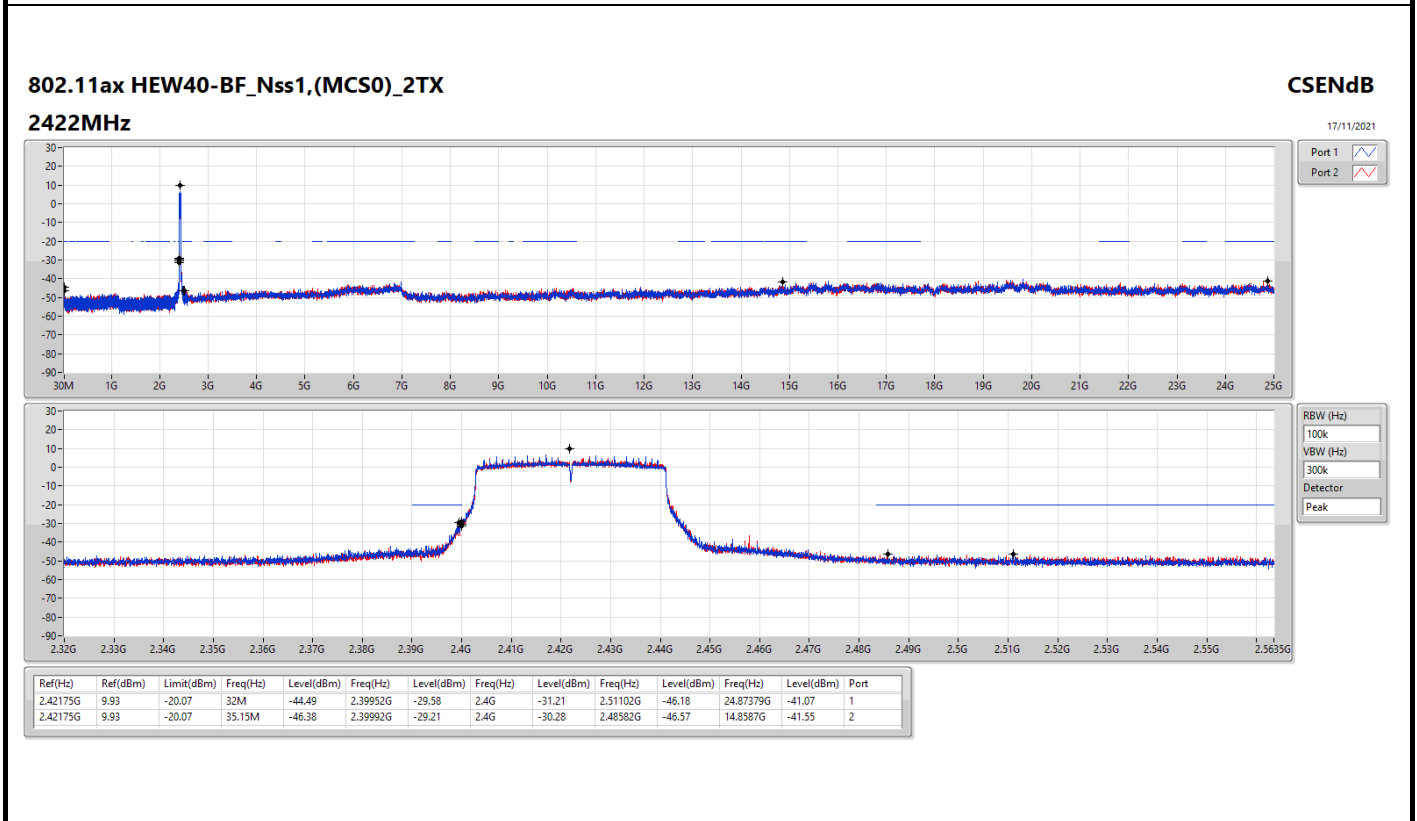
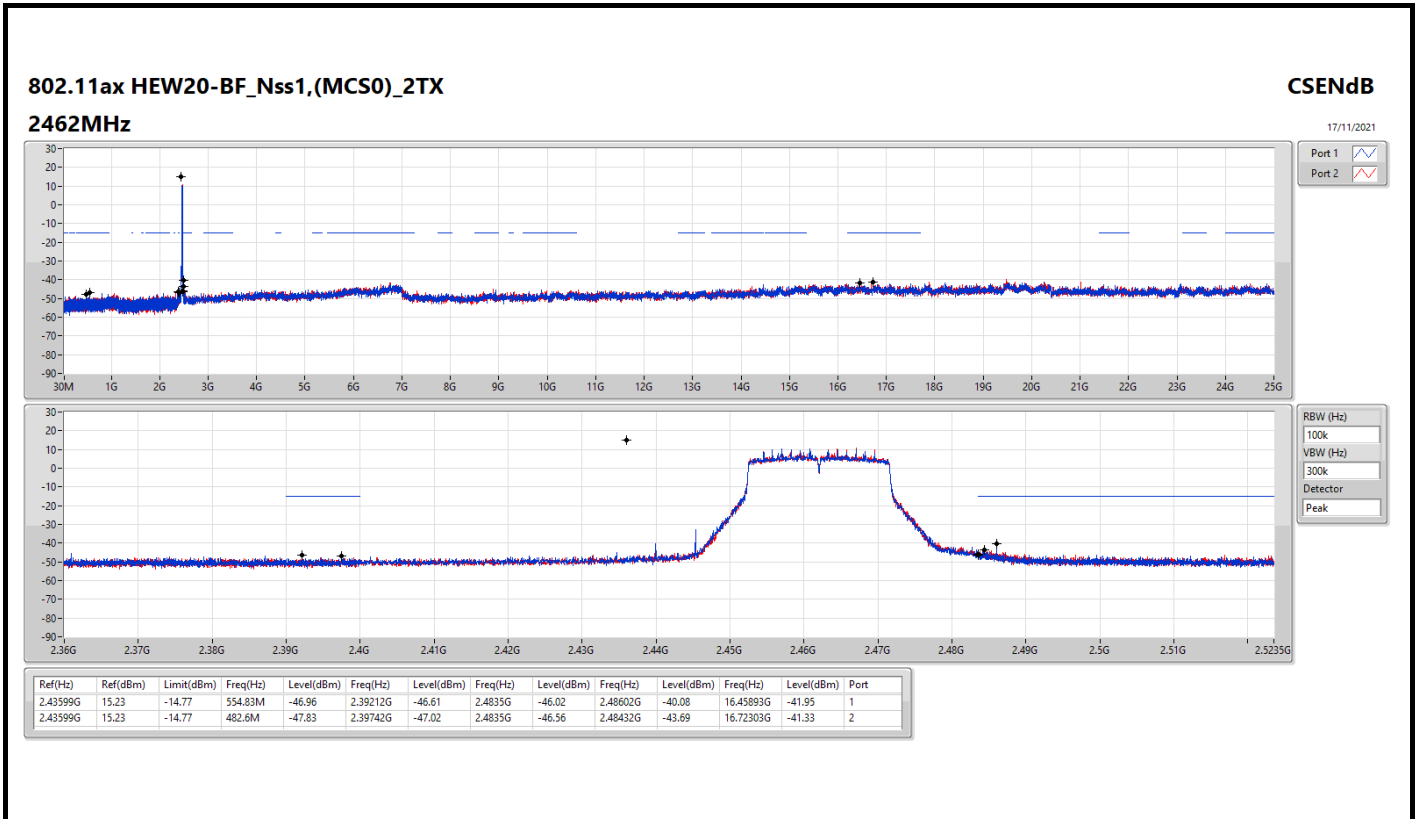
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43599G	15.23	-14.77	1.79672G	-48.02	2.39982G	-23.86	2.4G	-23.45	2.4841G	-46.73	16.87475G	-41.91	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42175G	9.93	-20.07	35.15M	-46.38	2.39992G	-29.21	2.4G	-30.28	2.48582G	-46.57	14.8587G	-41.55	2

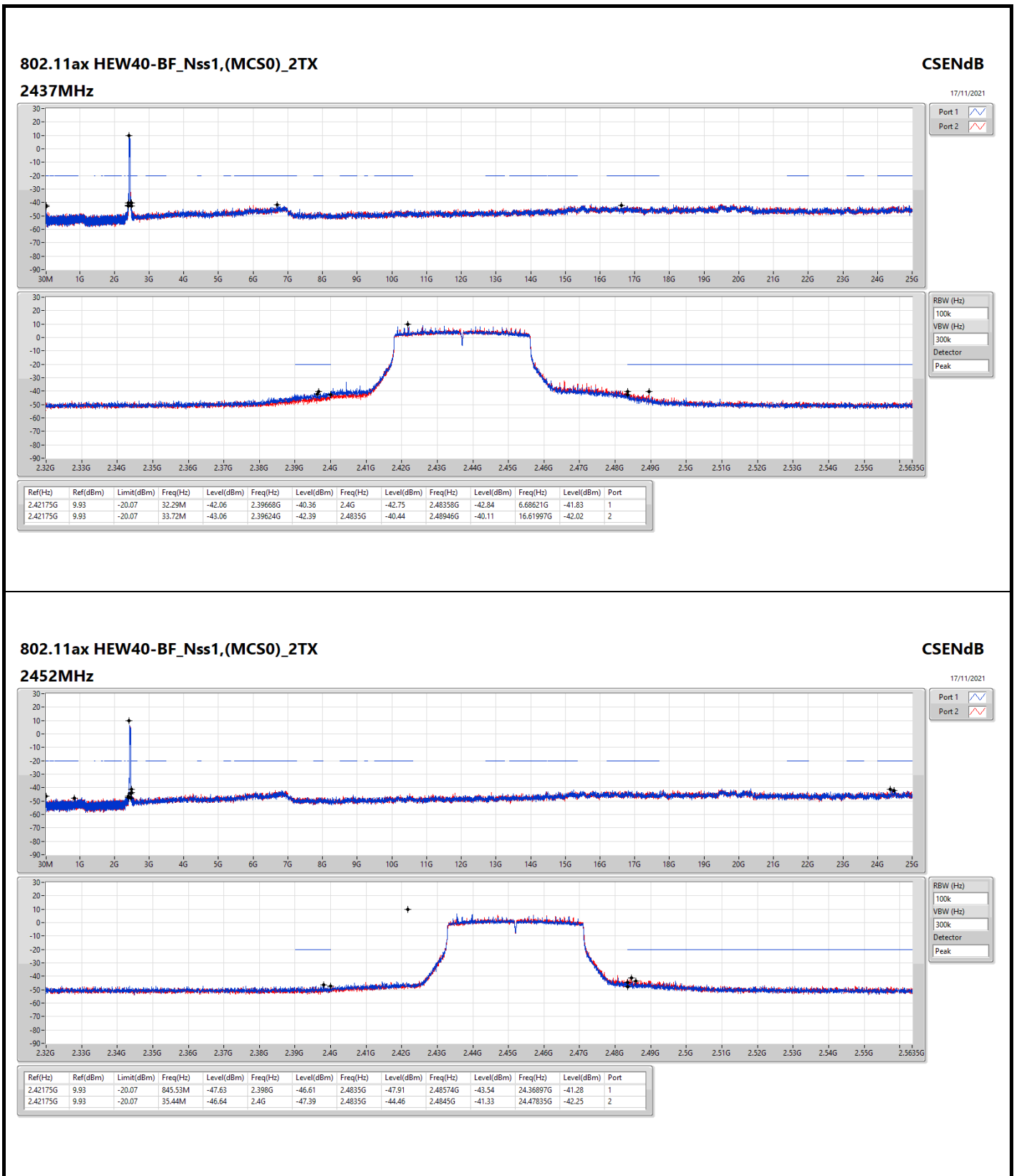


Result

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
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	15.23	-14.77	924.43M	-48.34	2.39984G	-24.00	2.4G	-24.95	2.48916G	-46.88	16.5685G	-41.50	1
2412MHz	Pass	2.43599G	15.23	-14.77	1.79672G	-48.02	2.39982G	-23.86	2.4G	-23.45	2.4841G	-46.73	16.87475G	-41.91	2
2437MHz	Pass	2.43599G	15.23	-14.77	923.85M	-46.66	2.39998G	-41.08	2.4G	-43.52	2.48378G	-44.66	24.83143G	-41.95	1
2437MHz	Pass	2.43599G	15.23	-14.77	2.09904G	-48.12	2.39824G	-42.16	2.4G	-43.31	2.48538G	-44.95	6.73222G	-42.29	2
2462MHz	Pass	2.43599G	15.23	-14.77	554.83M	-46.96	2.39212G	-46.61	2.4835G	-46.02	2.48602G	-40.08	16.45893G	-41.95	1
2462MHz	Pass	2.43599G	15.23	-14.77	482.6M	-47.83	2.39742G	-47.02	2.4835G	-46.56	2.48432G	-43.69	16.72303G	-41.33	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42175G	9.93	-20.07	32M	-44.49	2.39952G	-29.58	2.4G	-31.21	2.51102G	-46.18	24.87379G	-41.07	1
2422MHz	Pass	2.42175G	9.93	-20.07	35.15M	-46.38	2.39992G	-29.21	2.4G	-30.28	2.48582G	-46.57	14.8587G	-41.55	2
2437MHz	Pass	2.42175G	9.93	-20.07	32.29M	-42.06	2.39668G	-40.36	2.4G	-42.75	2.48358G	-42.84	6.68621G	-41.83	1
2437MHz	Pass	2.42175G	9.93	-20.07	33.72M	-43.06	2.39624G	-42.39	2.4835G	-40.44	2.48946G	-40.11	16.61997G	-42.02	2
2452MHz	Pass	2.42175G	9.93	-20.07	845.53M	-47.63	2.398G	-46.61	2.4835G	-47.91	2.48574G	-43.54	24.36897G	-41.28	1
2452MHz	Pass	2.42175G	9.93	-20.07	35.44M	-46.64	2.4G	-47.39	2.4835G	-44.46	2.4845G	-41.33	24.47835G	-42.25	2





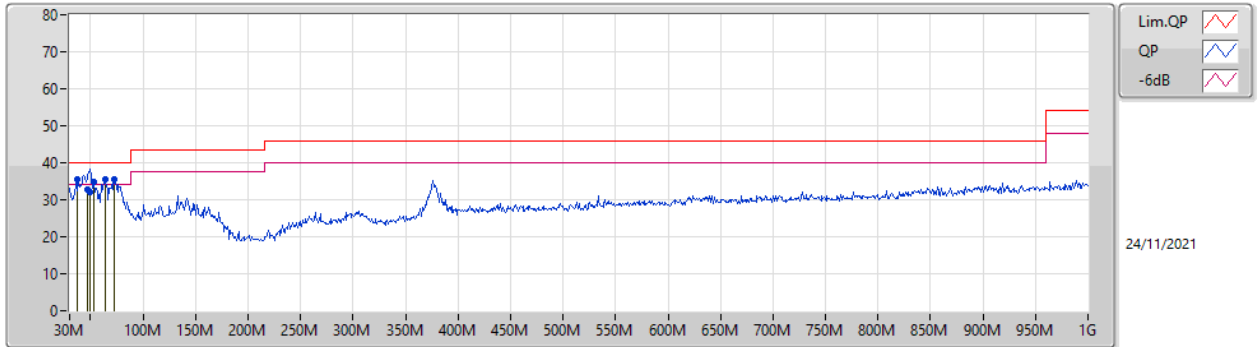




Summary

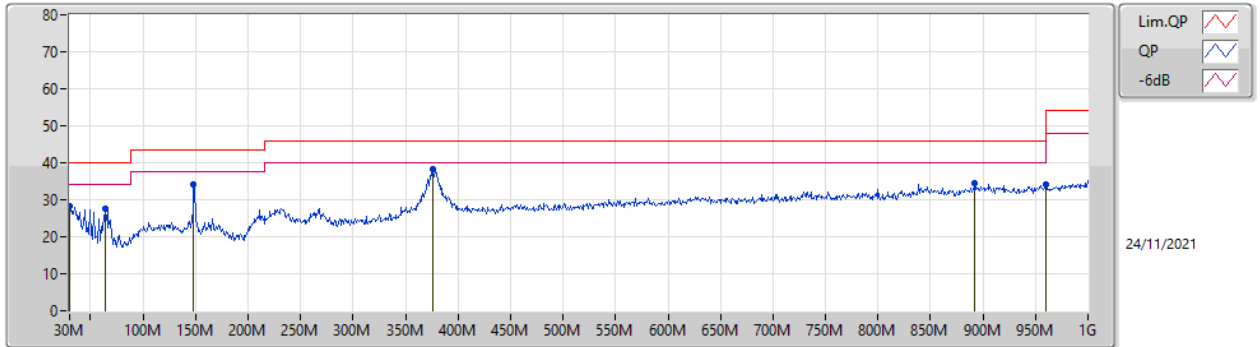
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	63.95M	35.57	40.00	-4.43	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	36.79M	35.36	40.00	-4.64	-10.49	3	Vertical	253	1.25	-	45.85	20.01	1.60	32.10
QP	47.46M	32.77	40.00	-7.23	-15.91	3	Vertical	18	1.00	-	48.68	14.56	1.60	32.07
QP	49.4M	32.00	40.00	-8.00	-16.55	3	Vertical	11	1.00	-	48.55	13.93	1.60	32.08
PK	53.28M	34.79	40.00	-5.21	-17.61	3	Vertical	180	1.25	-	52.40	12.91	1.60	32.12
PK	63.95M	35.57	40.00	-4.43	-18.01	3	Vertical	0	2.00	"Worst"	53.58	12.49	1.70	32.20
PK	72.68M	35.46	40.00	-4.54	-18.17	3	Vertical	252	2.00	-	53.63	12.22	1.75	32.14

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	30M	28.40	40.00	-11.60	-7.09	3	Horizontal	130	1.25	-	35.49	23.55	1.50	32.14
PK	63.95M	27.60	40.00	-12.40	-18.01	3	Horizontal	0	1.25	-	45.61	12.49	1.70	32.20
PK	148.34M	34.26	43.50	-9.24	-13.64	3	Horizontal	180	2.00	-	47.90	16.55	2.00	32.19
PK	376.29M	38.43	46.00	-7.57	-9.03	3	Horizontal	10	1.25	"Worst"	47.46	20.80	2.71	32.54
PK	892.33M	34.37	46.00	-11.63	-1.74	3	Horizontal	120	1.50	-	36.11	27.20	3.85	32.79
PK	960M	34.17	54.00	-19.83	-0.96	3	Horizontal	89	1.25	-	35.13	27.06	3.90	31.92

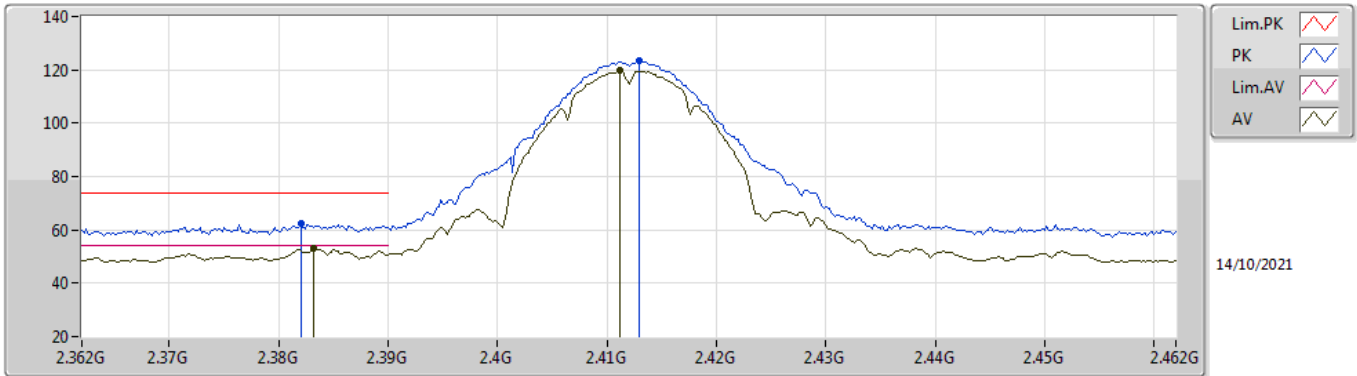


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.3832G	52.99	54.00	-1.01	3	Vertical	302	1.37	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

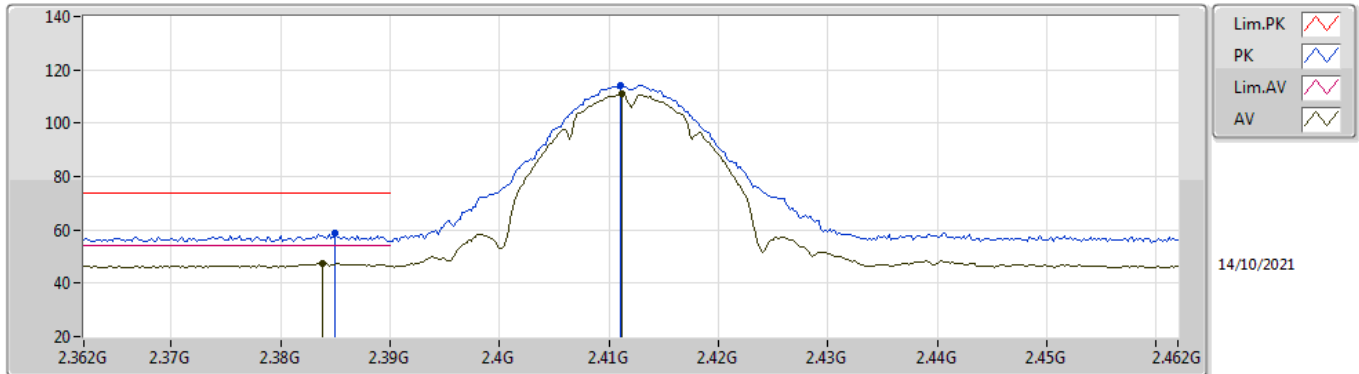


EUT_Z_2TX
Setting 24.5
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.382G	62.23	74.00	-11.77	29.51	3	Vertical	302	1.37	-	28.34	4.38	-
AV	2.3832G	52.99	54.00	-1.01	20.28	3	Vertical	302	1.37	-	28.33	4.38	-
PK	2.413G	123.46	Inf	-Inf	90.72	3	Vertical	302	1.37	-	28.33	4.41	-
AV	2.4112G	119.62	Inf	-Inf	86.89	3	Vertical	302	1.37	-	28.32	4.41	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

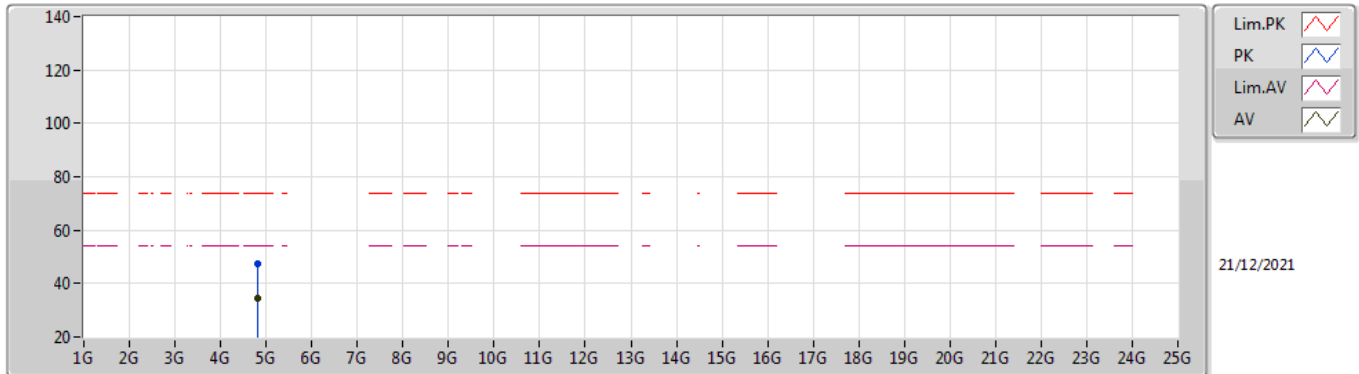


EUT_Z_2TX
Setting 24.5
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.385G	59.02	74.00	-14.98	26.30	3	Horizontal	348	1.00	-	28.33	4.39	-
AV	2.3838G	47.36	54.00	-6.64	14.65	3	Horizontal	348	1.00	-	28.33	4.38	-
PK	2.411G	114.37	Inf	-Inf	81.64	3	Horizontal	348	1.00	-	28.32	4.41	-
AV	2.4112G	110.83	Inf	-Inf	78.10	3	Horizontal	348	1.00	-	28.32	4.41	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

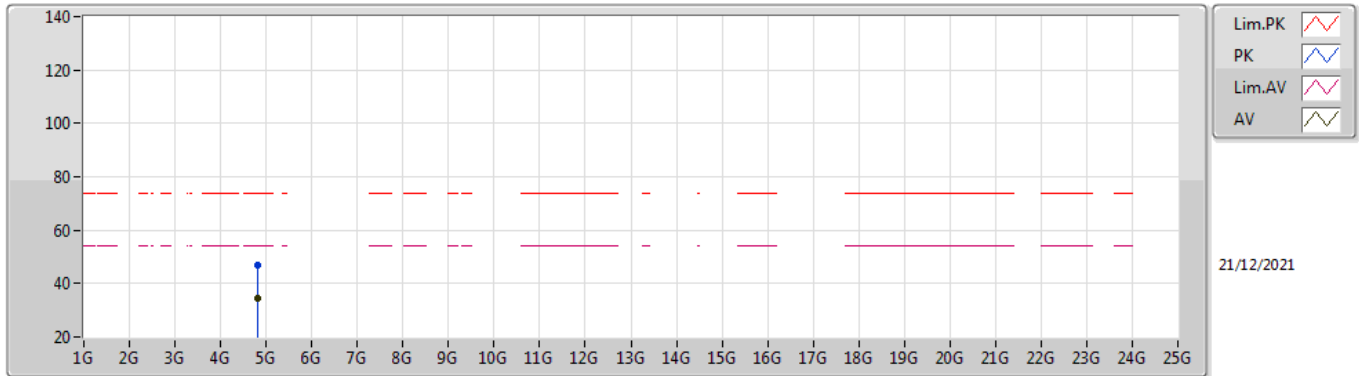


EUT_Z_2TX
Setting 24.5
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82538G	47.36	74.00	-26.64	42.29	3	Vertical	239	1.86	-	33.40	7.09	35.42
AV	4.8271G	34.55	54.00	-19.45	29.48	3	Vertical	239	1.86	-	33.40	7.09	35.42

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

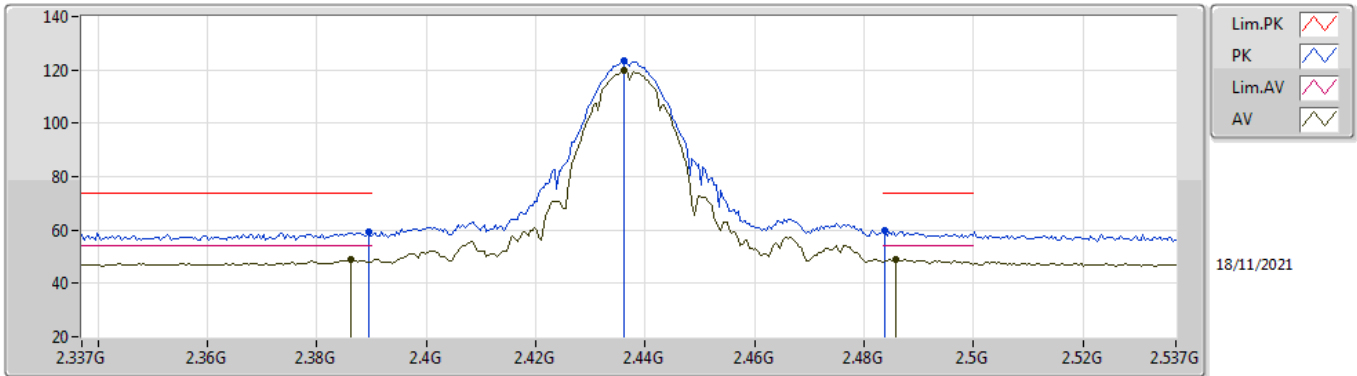


EUT_Z_2TX
Setting 24.5
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82192G	46.86	74.00	-27.14	41.79	3	Horizontal	223	2.72	-	33.40	7.09	35.42
AV	4.8206G	34.48	54.00	-19.52	29.41	3	Horizontal	223	2.72	-	33.40	7.09	35.42

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

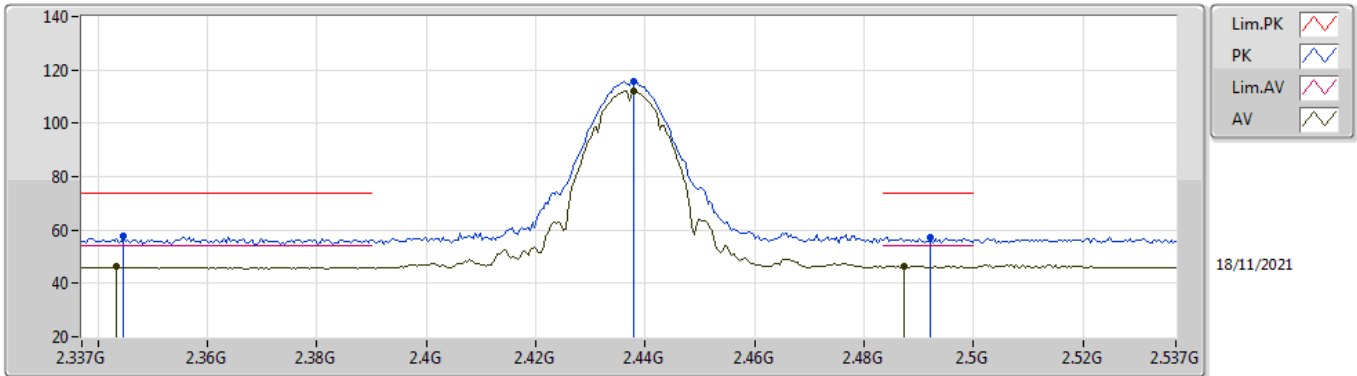


EUT_Z_2TX
Setting 25.5
03-D-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	59.12	74.00	-14.88	26.41	3	Vertical	257	1.80	-	28.32	4.39	-
AV	2.3862G	49.04	54.00	-4.96	16.32	3	Vertical	257	1.80	-	28.33	4.39	-
PK	2.4362G	123.25	Inf	-Inf	90.46	3	Vertical	257	1.80	-	28.37	4.42	-
AV	2.4362G	119.60	Inf	-Inf	86.81	3	Vertical	257	1.80	-	28.37	4.42	-
PK	2.4838G	59.71	74.00	-14.29	26.67	3	Vertical	257	1.80	-	28.60	4.44	-
AV	2.4858G	49.13	54.00	-4.87	16.08	3	Vertical	257	1.80	-	28.61	4.44	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

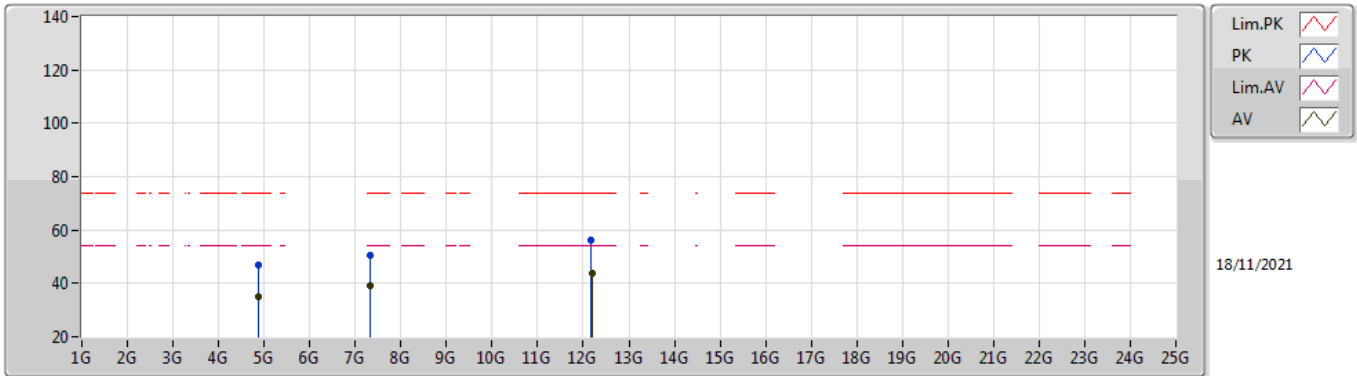


EUT_Z_2TX
Setting 25.5
03-D-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3446G	57.87	74.00	-16.13	25.16	3	Horizontal	342	2.76	-	28.37	4.34	-
AV	2.3434G	46.28	54.00	-7.72	13.58	3	Horizontal	342	2.76	-	28.36	4.34	-
PK	2.4378G	115.76	Inf	-Inf	82.96	3	Horizontal	342	2.76	-	28.38	4.42	-
AV	2.4378G	111.92	Inf	-Inf	79.12	3	Horizontal	342	2.76	-	28.38	4.42	-
PK	2.4922G	57.44	74.00	-16.56	24.34	3	Horizontal	342	2.76	-	28.65	4.45	-
AV	2.4874G	46.34	54.00	-7.66	13.28	3	Horizontal	342	2.76	-	28.62	4.44	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

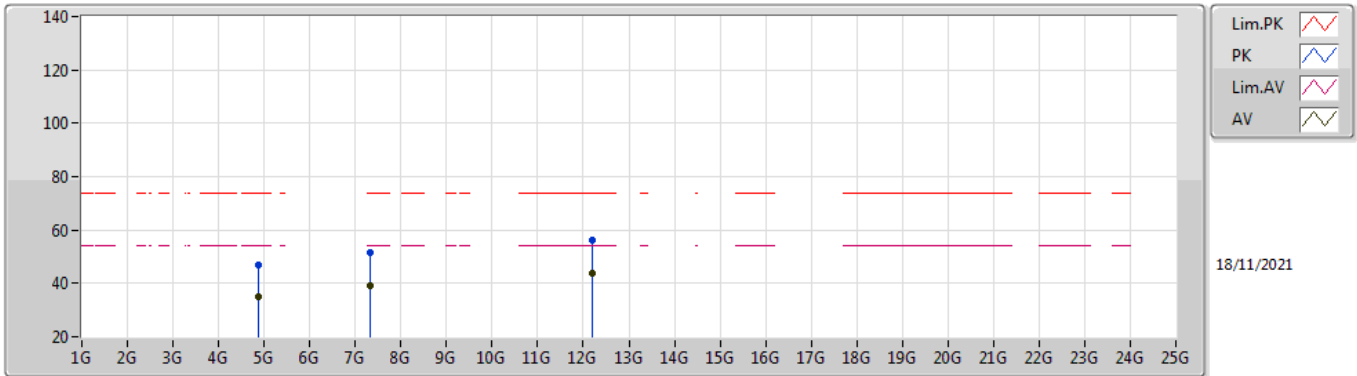


EUT_Z_2TX
Setting 25.5
03-D-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87464G	46.86	74.00	-27.14	41.70	3	Vertical	324	2.91	-	33.50	7.06	35.40
AV	4.87444G	34.76	54.00	-19.24	29.60	3	Vertical	324	2.91	-	33.50	7.06	35.40
PK	7.31588G	50.76	74.00	-23.24	40.78	3	Vertical	278	1.16	-	37.00	8.55	35.57
AV	7.31388G	39.10	54.00	-14.90	29.13	3	Vertical	278	1.16	-	37.00	8.54	35.57
PK	12.18094G	55.95	74.00	-18.05	41.42	3	Vertical	285	1.37	-	39.04	10.94	35.45
AV	12.18706G	43.76	54.00	-10.24	29.23	3	Vertical	285	1.37	-	39.03	10.95	35.45

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

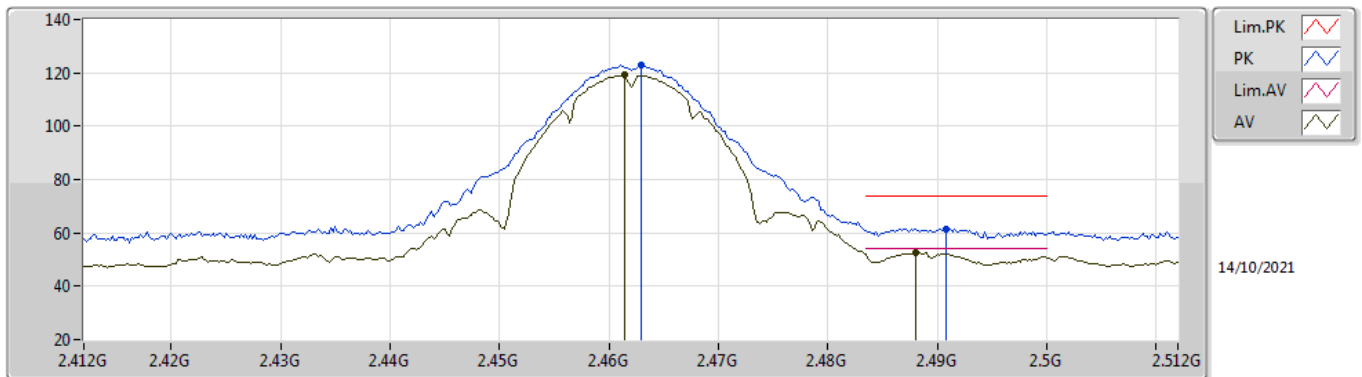


EUT_Z_2TX
Setting 25.5
03-D-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87208G	46.64	74.00	-27.36	41.49	3	Horizontal	206	2.83	-	33.49	7.06	35.40
AV	4.87368G	34.77	54.00	-19.23	29.62	3	Horizontal	206	2.83	-	33.49	7.06	35.40
PK	7.31116G	51.38	74.00	-22.62	41.42	3	Horizontal	334	2.15	-	37.00	8.53	35.57
AV	7.31102G	39.14	54.00	-14.86	29.18	3	Horizontal	334	2.15	-	37.00	8.53	35.57
PK	12.18868G	56.06	74.00	-17.94	41.54	3	Horizontal	153	2.46	-	39.02	10.95	35.45
AV	12.18976G	43.54	54.00	-10.46	29.02	3	Horizontal	153	2.46	-	39.02	10.95	35.45

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

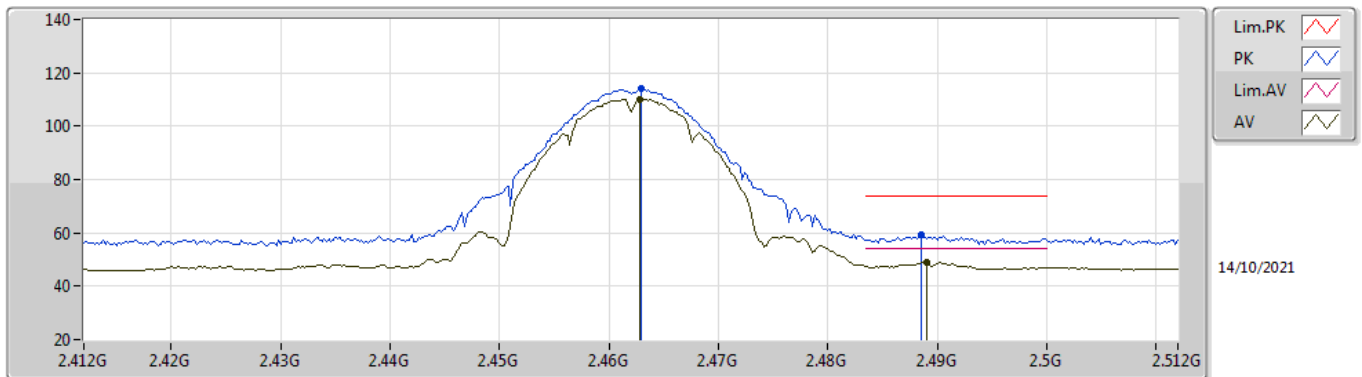


EUT_Z_2TX
Setting 24
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	122.80	Inf	-Inf	89.89	3	Vertical	301	1.18	-	28.48	4.43	-
AV	2.4614G	119.15	Inf	-Inf	86.25	3	Vertical	301	1.18	-	28.47	4.43	-
PK	2.4908G	61.48	74.00	-12.52	28.39	3	Vertical	301	1.18	-	28.64	4.45	-
AV	2.488G	52.64	54.00	-1.36	19.57	3	Vertical	301	1.18	-	28.63	4.44	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

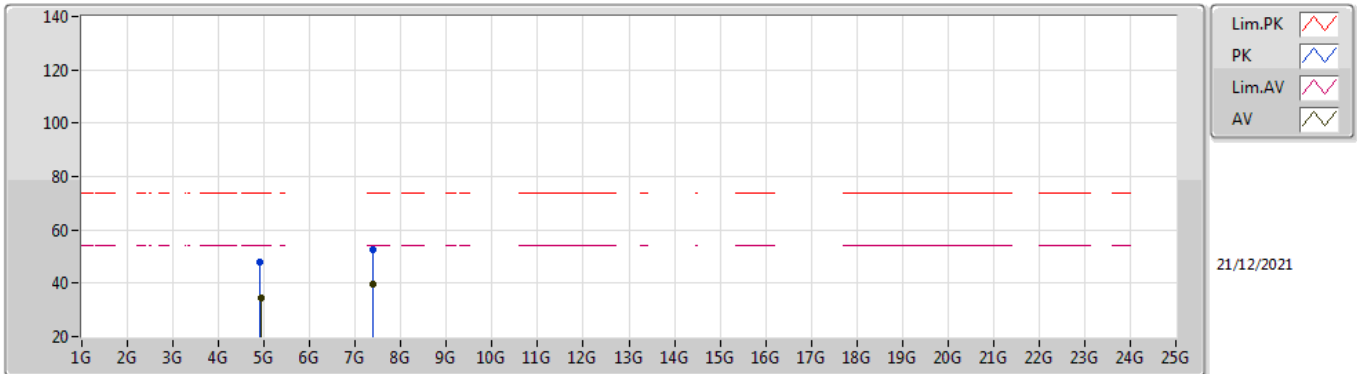


EUT_Z_2TX
Setting 24
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	114.04	Inf	-Inf	81.13	3	Horizontal	33	1.00	-	28.48	4.43	-
AV	2.4628G	110.16	Inf	-Inf	77.25	3	Horizontal	33	1.00	-	28.48	4.43	-
PK	2.4886G	59.42	74.00	-14.58	26.35	3	Horizontal	33	1.00	-	28.63	4.44	-
AV	2.489G	49.09	54.00	-4.91	16.02	3	Horizontal	33	1.00	-	28.63	4.44	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

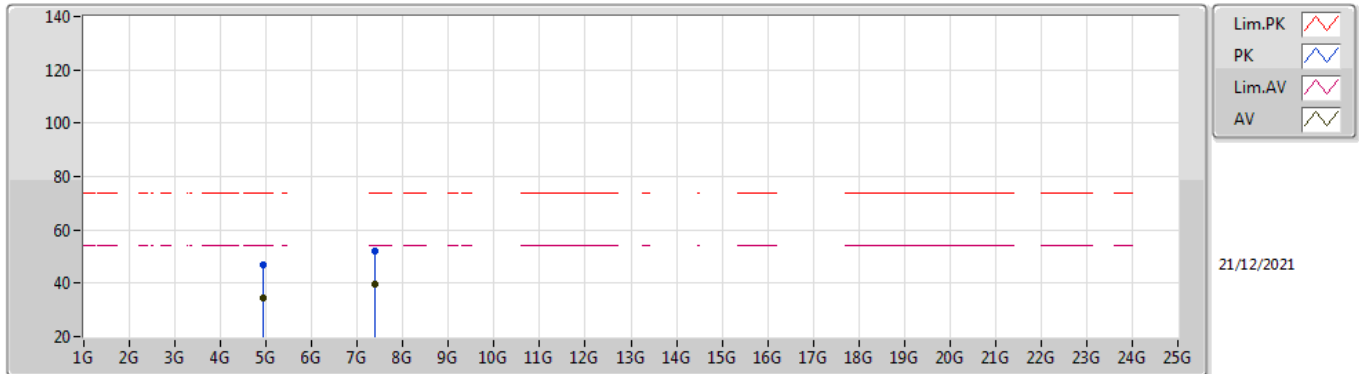


EUT_Z_2TX
Setting 24
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9192G	48.01	74.00	-25.99	42.70	3	Vertical	219	1.12	-	33.64	7.04	35.37
AV	4.9264G	34.53	54.00	-19.47	29.21	3	Vertical	219	1.12	-	33.65	7.04	35.37
PK	7.3898G	52.81	74.00	-21.19	42.55	3	Vertical	205	2.71	-	37.08	8.77	35.59
AV	7.38348G	39.74	54.00	-14.26	29.51	3	Vertical	205	2.71	-	37.07	8.75	35.59

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

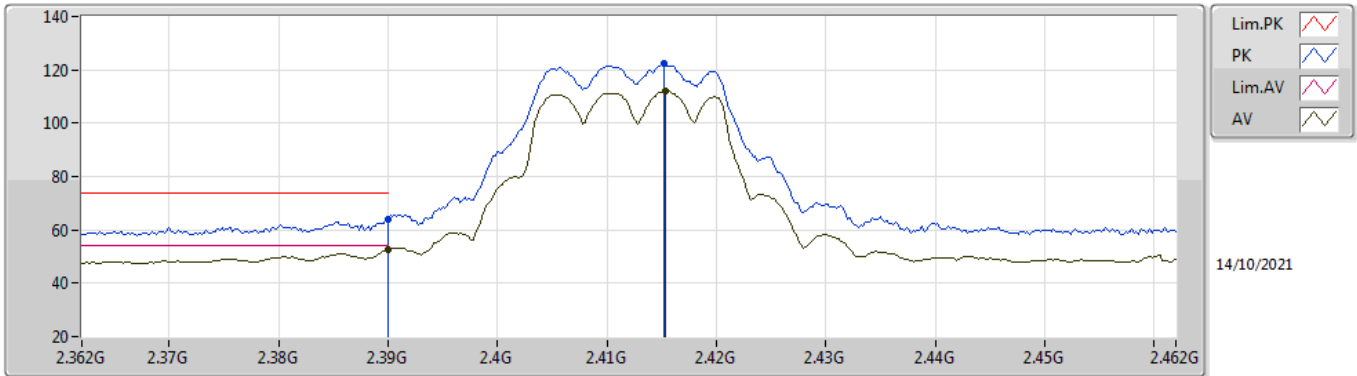


EUT_Z_2TX
Setting 24
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92432G	46.66	74.00	-27.34	41.34	3	Horizontal	348	2.46	-	33.65	7.04	35.37
AV	4.92618G	34.66	54.00	-19.34	29.34	3	Horizontal	348	2.46	-	33.65	7.04	35.37
PK	7.38354G	52.30	74.00	-21.70	42.07	3	Horizontal	67	2.82	-	37.07	8.75	35.59
AV	7.3822G	39.58	54.00	-14.42	29.36	3	Horizontal	67	2.82	-	37.06	8.75	35.59

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

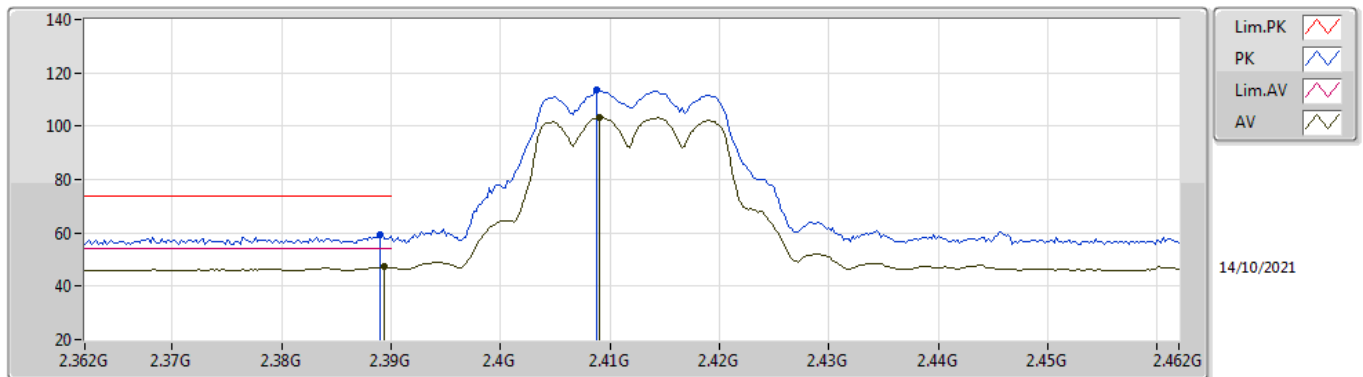


EUT_Z_2TX
Setting 21.5
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	64.21	74.00	-9.79	31.50	3	Vertical	360	1.55	-	28.32	4.39	-
AV	2.39G	52.53	54.00	-1.47	19.82	3	Vertical	360	1.55	-	28.32	4.39	-
PK	2.4152G	122.24	Inf	-Inf	89.50	3	Vertical	360	1.55	-	28.33	4.41	-
AV	2.4154G	112.11	Inf	-Inf	79.37	3	Vertical	360	1.55	-	28.33	4.41	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

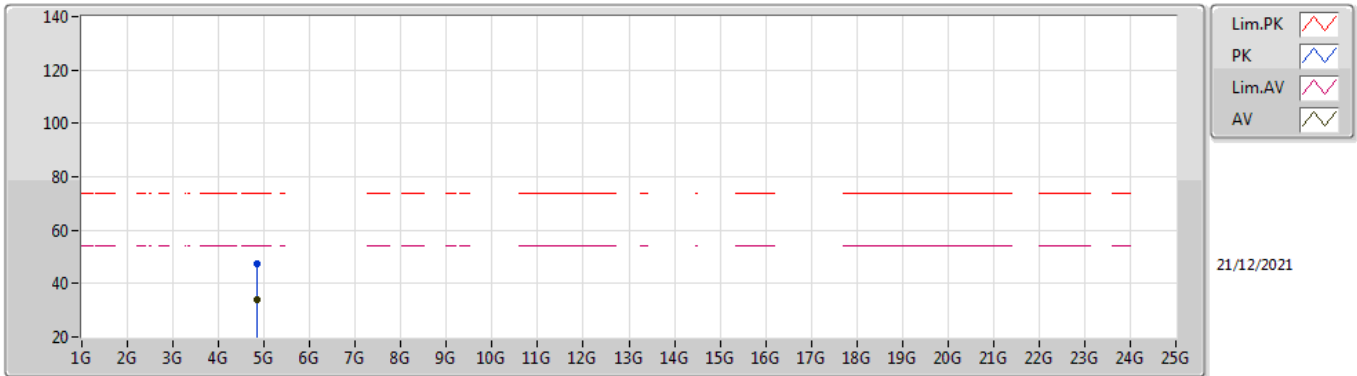


EUT_Z_2TX
Setting 21.5
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	59.51	74.00	-14.49	26.80	3	Horizontal	137	1.00	-	28.32	4.39	-
AV	2.3894G	47.21	54.00	-6.79	14.50	3	Horizontal	137	1.00	-	28.32	4.39	-
PK	2.4088G	113.65	Inf	-Inf	80.93	3	Horizontal	137	1.00	-	28.32	4.40	-
AV	2.409G	103.30	Inf	-Inf	70.58	3	Horizontal	137	1.00	-	28.32	4.40	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

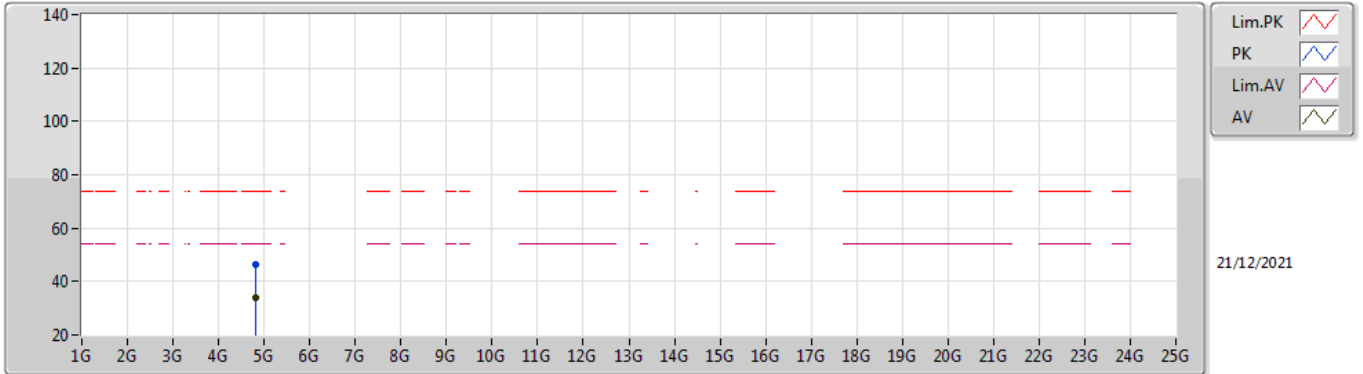


EUT Z_2TX
Setting 21.5
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82886G	47.34	74.00	-26.66	42.27	3	Vertical	235	3.00	-	33.40	7.09	35.42
AV	4.82858G	33.74	54.00	-20.26	28.67	3	Vertical	235	3.00	-	33.40	7.09	35.42

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

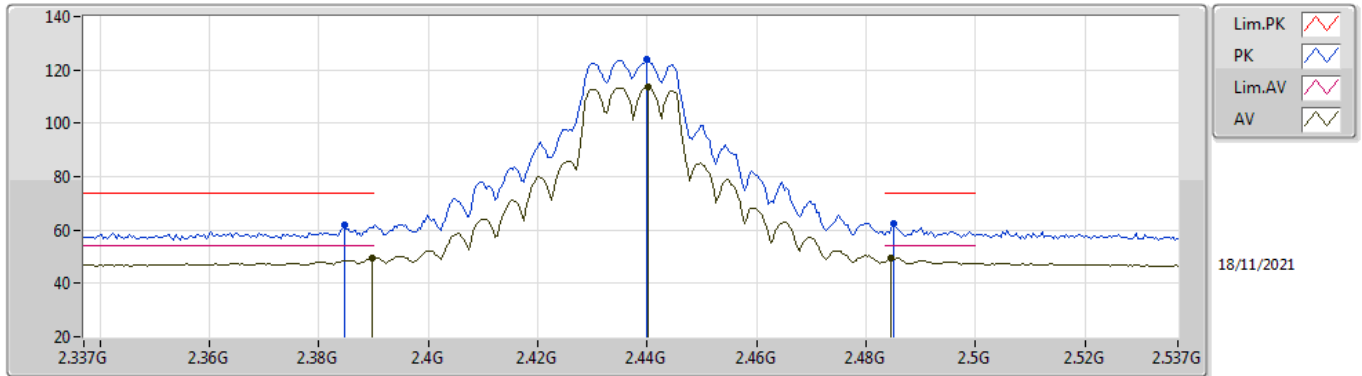


EUT Z_2TX
Setting 21.5
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8233G	46.39	74.00	-27.61	41.32	3	Horizontal	120	2.96	-	33.40	7.09	35.42
AV	4.82268G	33.73	54.00	-20.27	28.66	3	Horizontal	120	2.96	-	33.40	7.09	35.42

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

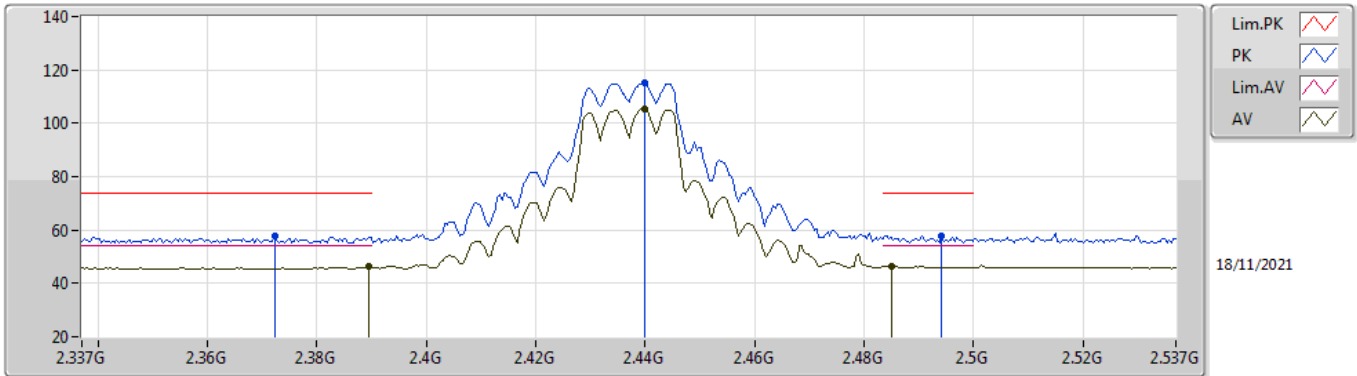


EUT_Z_2TX
Setting 24.5
03-D-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3846G	62.12	74.00	-11.88	29.41	3	Vertical	207	1.24	-	28.33	4.38	-
AV	2.3898G	49.62	54.00	-4.38	16.91	3	Vertical	207	1.24	-	28.32	4.39	-
PK	2.4398G	123.72	Inf	-Inf	90.92	3	Vertical	207	1.24	-	28.38	4.42	-
AV	2.4402G	113.53	Inf	-Inf	80.73	3	Vertical	207	1.24	-	28.38	4.42	-
PK	2.485G	62.22	74.00	-11.78	29.17	3	Vertical	207	1.24	-	28.61	4.44	-
AV	2.4846G	49.30	54.00	-4.70	16.25	3	Vertical	207	1.24	-	28.61	4.44	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

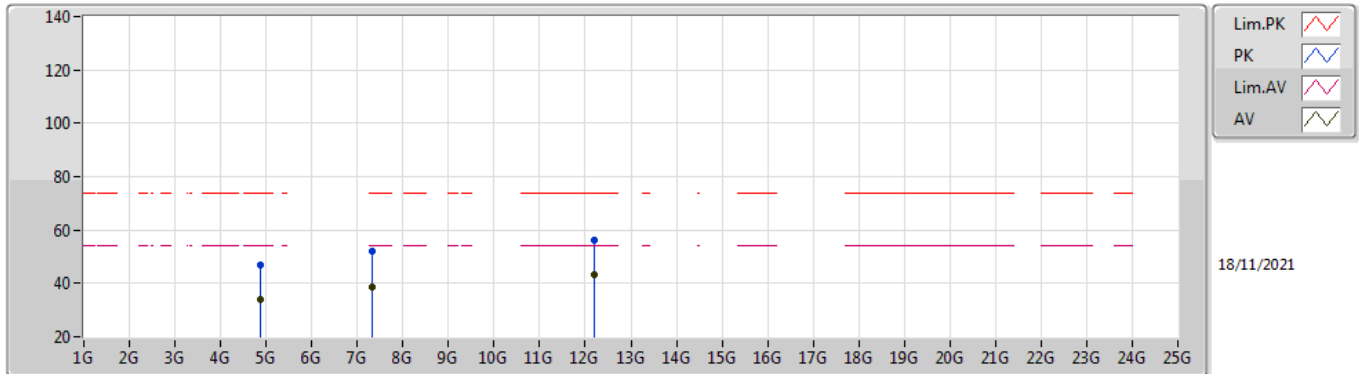


EUT_Z_2TX
Setting 24.5
03-D-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3722G	57.60	74.00	-16.40	24.87	3	Horizontal	95	1.13	-	28.36	4.37	-
AV	2.3894G	46.38	54.00	-7.62	13.67	3	Horizontal	95	1.13	-	28.32	4.39	-
PK	2.4398G	115.16	Inf	-Inf	82.36	3	Horizontal	95	1.13	-	28.38	4.42	-
AV	2.4398G	105.30	Inf	-Inf	72.50	3	Horizontal	95	1.13	-	28.38	4.42	-
PK	2.4942G	58.01	74.00	-15.99	24.89	3	Horizontal	95	1.13	-	28.67	4.45	-
AV	2.485G	46.56	54.00	-7.44	13.51	3	Horizontal	95	1.13	-	28.61	4.44	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

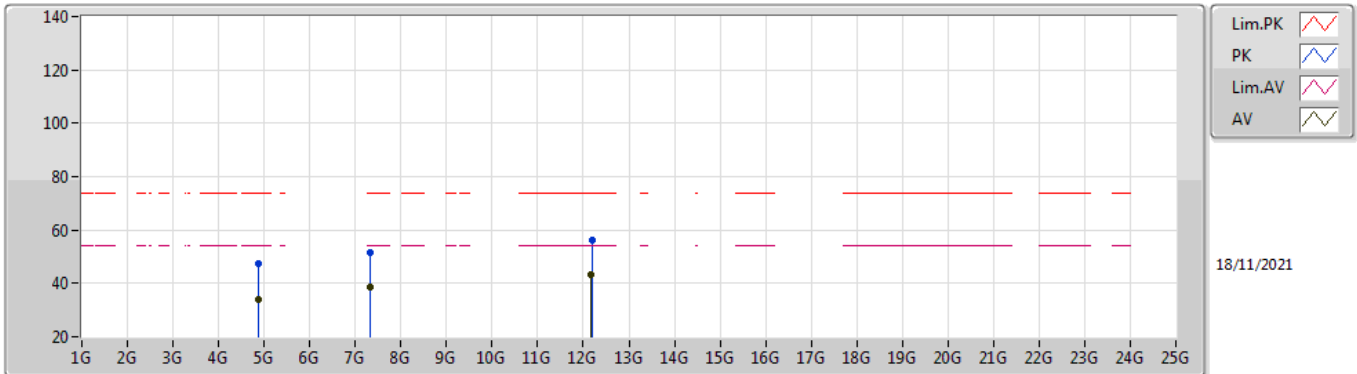


EUT_Z_2TX
Setting 24.5
03-D-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8635G	46.87	74.00	-27.13	41.75	3	Vertical	76	2.51	-	33.45	7.07	35.40
AV	4.8758G	33.96	54.00	-20.04	28.79	3	Vertical	76	2.51	-	33.50	7.06	35.39
PK	7.3295G	52.20	74.00	-21.80	42.19	3	Vertical	2	2.04	-	37.00	8.59	35.58
AV	7.3196G	38.85	54.00	-15.15	28.86	3	Vertical	2	2.04	-	37.00	8.56	35.57
PK	12.1872G	56.19	74.00	-17.81	41.66	3	Vertical	178	3.00	-	39.03	10.95	35.45
AV	12.1864G	43.30	54.00	-10.70	28.77	3	Vertical	178	3.00	-	39.03	10.95	35.45

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

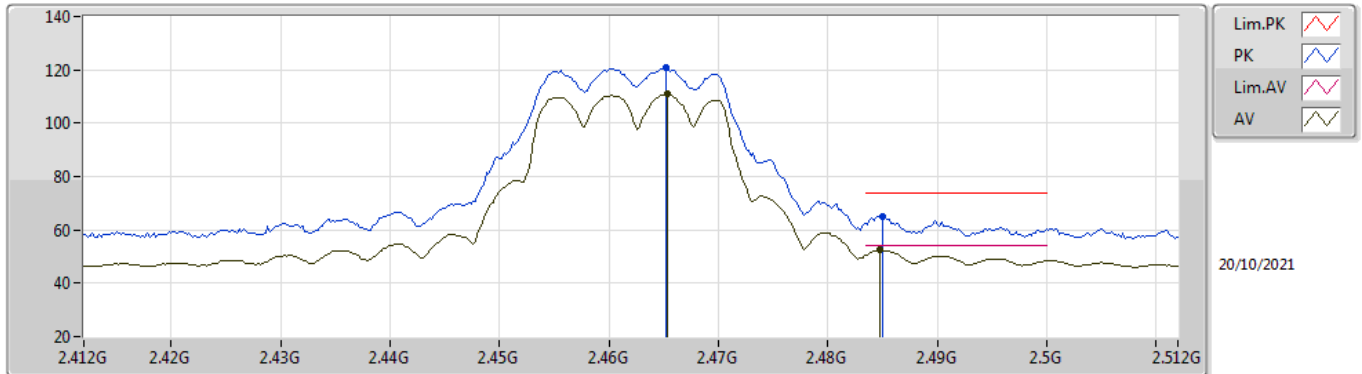


EUT_Z_2TX
Setting 24.5
03-D-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8603G	47.17	74.00	-26.83	42.06	3	Horizontal	5	2.86	-	33.44	7.07	35.40
AV	4.8842G	34.17	54.00	-19.83	28.96	3	Horizontal	5	2.86	-	33.54	7.06	35.39
PK	7.3275G	51.51	74.00	-22.49	41.51	3	Horizontal	111	1.42	-	37.00	8.58	35.58
AV	7.3282G	38.76	54.00	-15.24	28.76	3	Horizontal	111	1.42	-	37.00	8.58	35.58
PK	12.1848G	56.01	74.00	-17.99	41.48	3	Horizontal	42	2.93	-	39.03	10.95	35.45
AV	12.1764G	43.20	54.00	-10.80	28.66	3	Horizontal	42	2.93	-	39.05	10.94	35.45

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

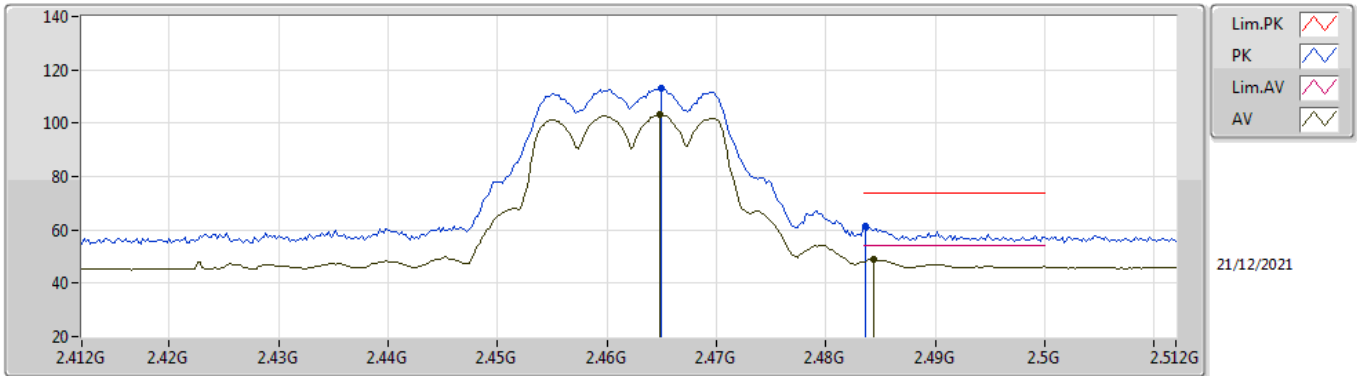


EUT_Z_2TX
Setting 21.5
01-D-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4652G	120.80	Inf	-Inf	89.38	3	Vertical	360	1.79	-	27.59	3.83	-
AV	2.4654G	110.80	Inf	-Inf	79.38	3	Vertical	360	1.79	-	27.59	3.83	-
PK	2.485G	64.96	74.00	-9.04	33.41	3	Vertical	360	1.79	-	27.71	3.84	-
AV	2.4848G	52.40	54.00	-1.60	20.85	3	Vertical	360	1.79	-	27.71	3.84	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

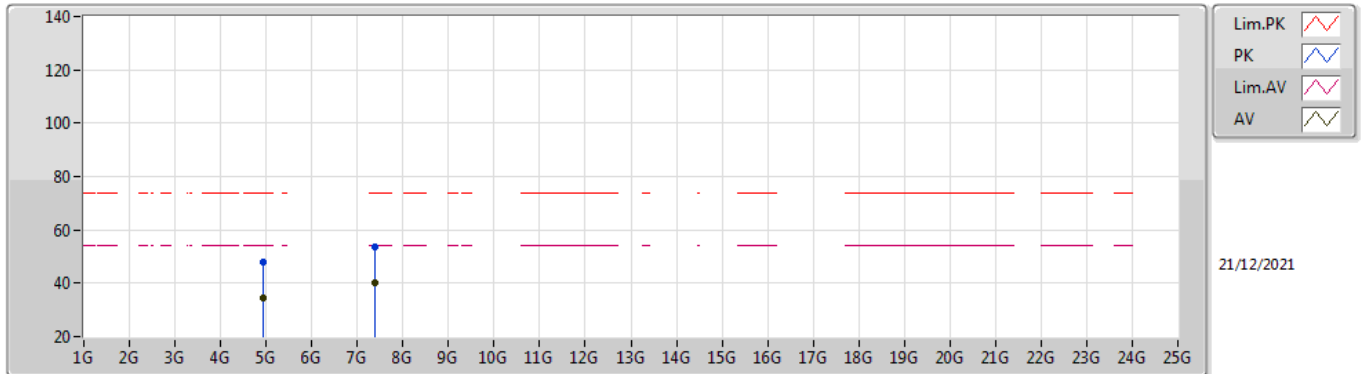


EUT_Z_2TX
Setting 21.5
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.465G	112.93	Inf	-Inf	80.01	3	Horizontal	57	1.44	-	28.49	4.43	-
AV	2.4648G	103.20	Inf	-Inf	70.28	3	Horizontal	57	1.44	-	28.49	4.43	-
PK	2.4836G	61.24	74.00	-12.76	28.20	3	Horizontal	57	1.44	-	28.60	4.44	-
AV	2.4844G	48.84	54.00	-5.16	15.79	3	Horizontal	57	1.44	-	28.61	4.44	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

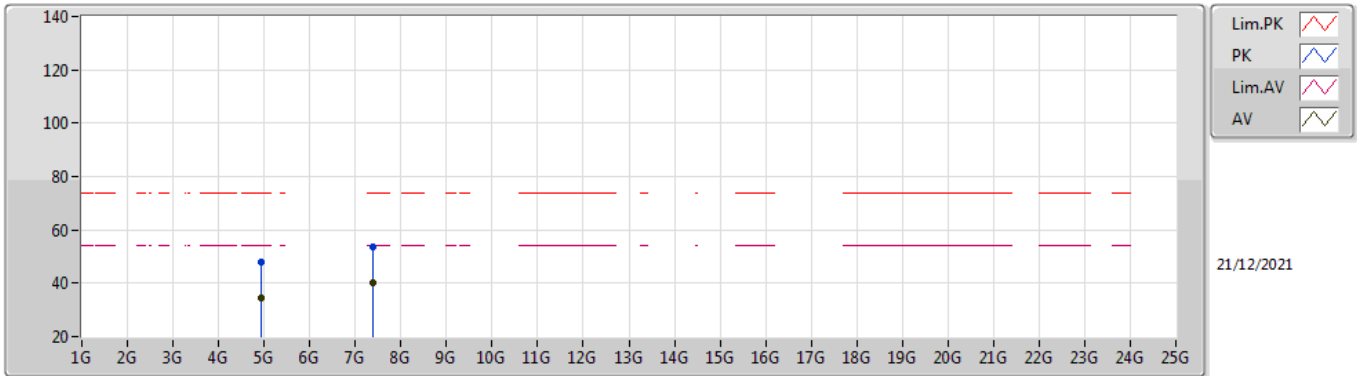


EUT_Z_2TX
Setting 21.5
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92112G	47.82	74.00	-26.18	41.86	3	Vertical	60	1.89	-	32.63	6.30	32.97
AV	4.92488G	34.50	54.00	-19.50	28.52	3	Vertical	60	1.89	-	32.65	6.30	32.97
PK	7.39034G	53.61	74.00	-20.39	41.97	3	Vertical	236	2.68	-	37.30	7.39	33.05
AV	7.38704G	40.29	54.00	-13.71	28.65	3	Vertical	236	2.68	-	37.30	7.39	33.05

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX



EUT_Z_2TX
Setting 21.5
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92294G	47.87	74.00	-26.13	41.90	3	Horizontal	211	1.80	-	32.64	6.30	32.97
AV	4.92668G	34.46	54.00	-19.54	28.47	3	Horizontal	211	1.80	-	32.66	6.30	32.97
PK	7.38502G	53.43	74.00	-20.57	41.79	3	Horizontal	258	1.59	-	37.30	7.39	33.05
AV	7.39074G	40.33	54.00	-13.67	28.69	3	Horizontal	258	1.59	-	37.30	7.39	33.05

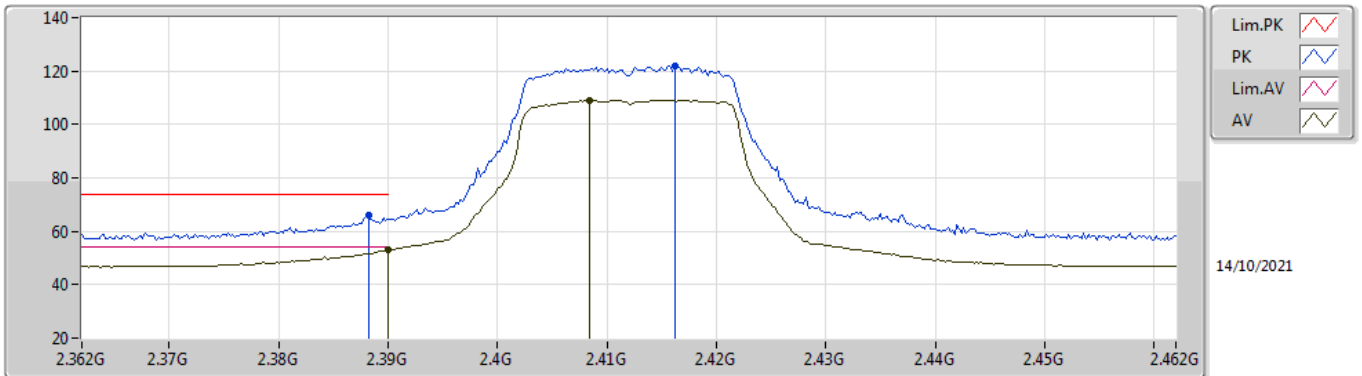


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.00	54.00	-1.00	3	Vertical	346.4	1.35	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

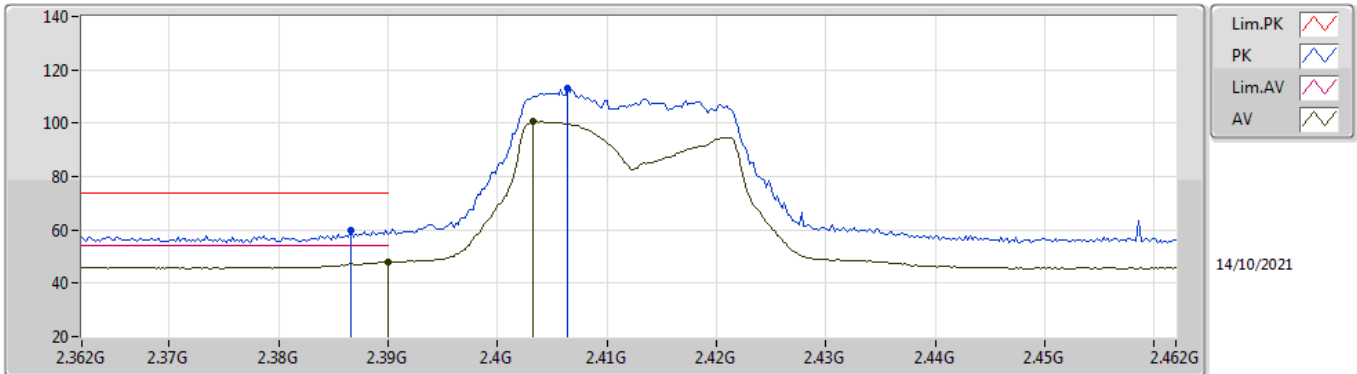


EUT_Z_2TX
Setting 24
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	66.20	74.00	-7.80	33.49	3	Vertical	346.4	1.35	-	28.32	4.39	-
AV	2.39G	53.00	54.00	-1.00	20.29	3	Vertical	346.4	1.35	-	28.32	4.39	-
PK	2.4162G	122.11	Inf	-Inf	89.37	3	Vertical	346.4	1.35	-	28.33	4.41	-
AV	2.4084G	109.10	Inf	-Inf	76.38	3	Vertical	346.4	1.35	-	28.32	4.40	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

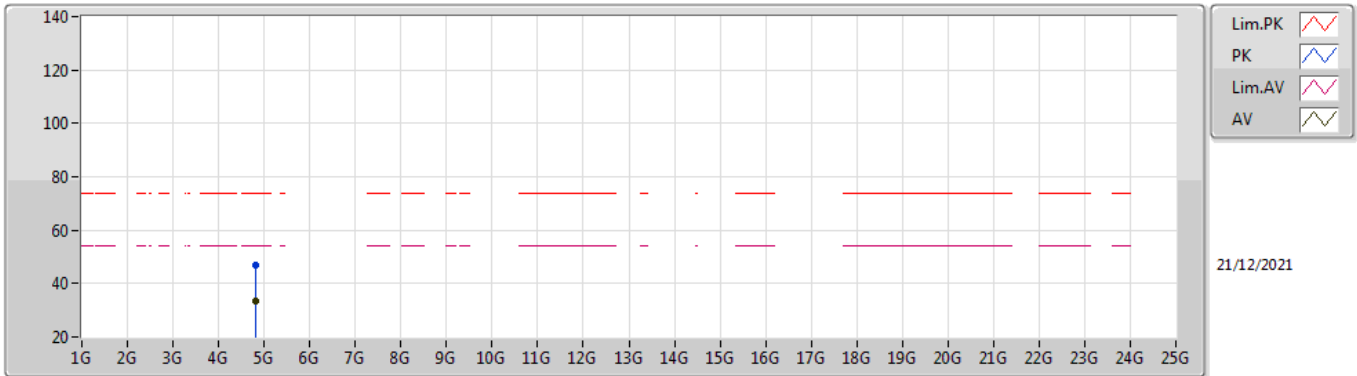


EUT_Z_2TX
Setting 24
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	60.00	74.00	-14.00	27.28	3	Horizontal	357.4	1.80	-	28.33	4.39	-
AV	2.39G	48.03	54.00	-5.97	15.32	3	Horizontal	357.4	1.80	-	28.32	4.39	-
PK	2.4064G	112.94	Inf	-Inf	80.23	3	Horizontal	357.4	1.80	-	28.31	4.40	-
AV	2.4032G	100.71	Inf	-Inf	68.00	3	Horizontal	357.4	1.80	-	28.31	4.40	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

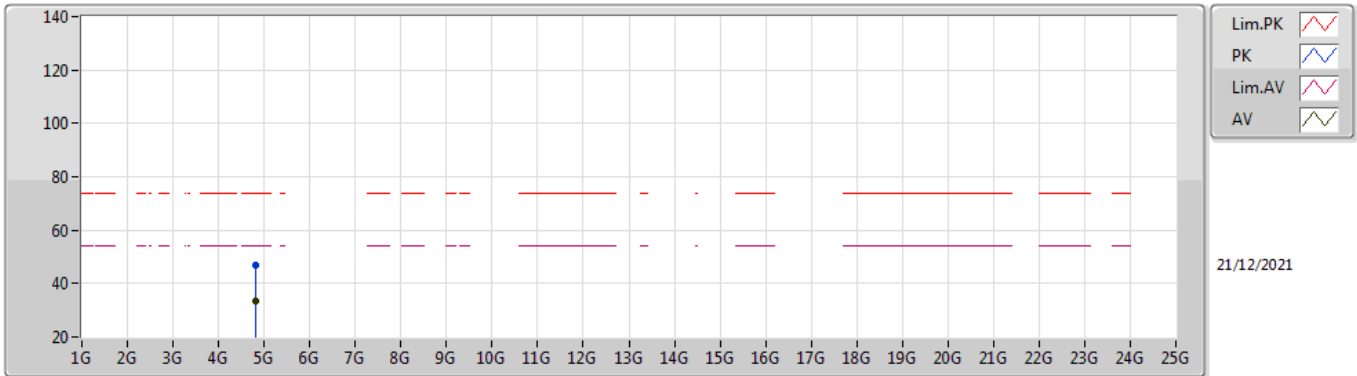


EUT_Z_2TX
Setting 24
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82714G	46.90	74.00	-27.10	41.83	3	Vertical	41	2.24	-	33.40	7.09	35.42
AV	4.82116G	33.67	54.00	-20.33	28.60	3	Vertical	41	2.24	-	33.40	7.09	35.42

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

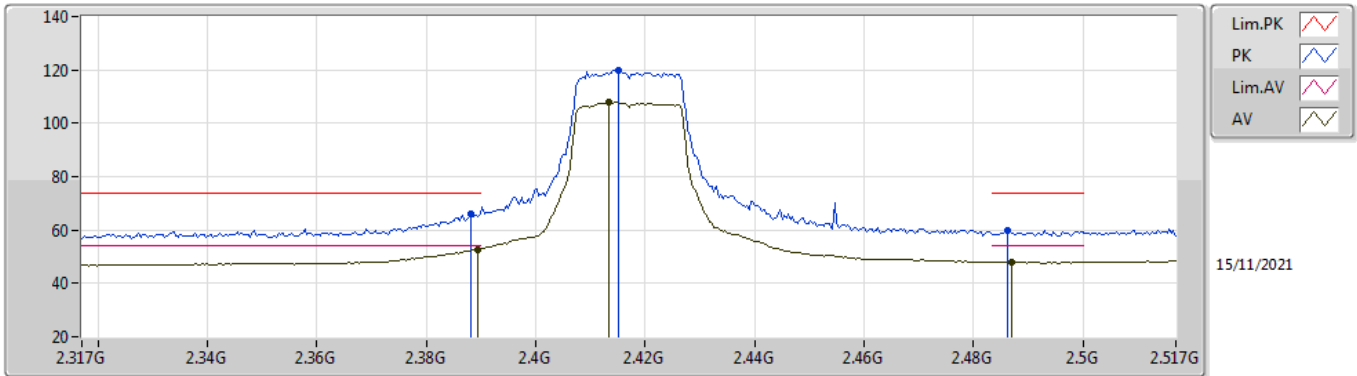


EUT Z_2TX
Setting 24
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8215G	46.66	74.00	-27.34	41.59	3	Horizontal	182	2.22	-	33.40	7.09	35.42
AV	4.81978G	33.64	54.00	-20.36	28.57	3	Horizontal	182	2.22	-	33.40	7.09	35.42

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

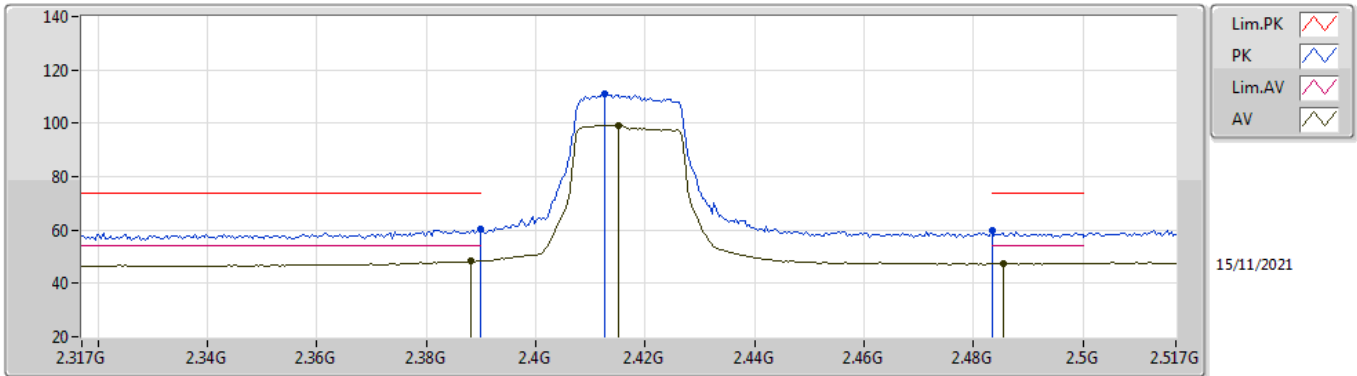


EUT_Z_2TX
Setting 26
02-B-S-8

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	2.3882G	65.96	74.00	-8.04	34.79	3	Vertical	357	1.80	-	28.38	2.79	-
AV	2.3894G	52.83	54.00	-1.17	21.66	3	Vertical	357	1.80	-	28.38	2.79	-
PK	2.415G	120.00	Inf	-Inf	88.79	3	Vertical	357	1.80	-	28.40	2.81	-
AV	2.4134G	107.73	Inf	-Inf	76.52	3	Vertical	357	1.80	-	28.40	2.81	-
PK	2.4862G	59.84	74.00	-14.16	28.41	3	Vertical	357	1.80	-	28.54	2.89	-
AV	2.487G	48.05	54.00	-5.95	16.61	3	Vertical	357	1.80	-	28.55	2.89	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

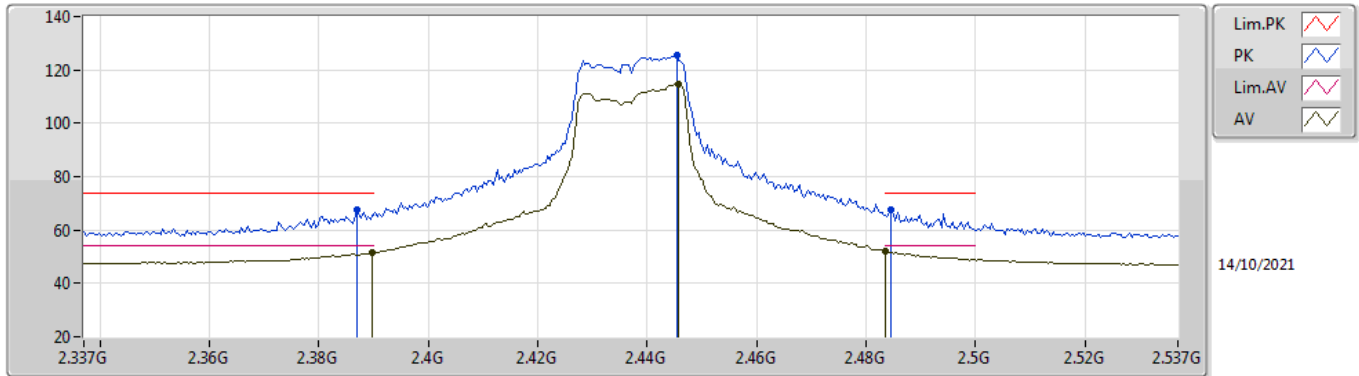


EUT_Z_2TX
Setting 26
02-B-S-8

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	60.34	74.00	-13.66	29.17	3	Horizontal	352	2.84	-	28.38	2.79	-
AV	2.3882G	48.41	54.00	-5.59	17.24	3	Horizontal	352	2.84	-	28.38	2.79	-
PK	2.4126G	111.06	Inf	-Inf	79.85	3	Horizontal	352	2.84	-	28.40	2.81	-
AV	2.415G	99.38	Inf	-Inf	68.17	3	Horizontal	352	2.84	-	28.40	2.81	-
PK	2.4835G	59.92	74.00	-14.08	28.51	3	Horizontal	352	2.84	-	28.53	2.88	-
AV	2.4854G	47.40	54.00	-6.60	15.97	3	Horizontal	352	2.84	-	28.54	2.89	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

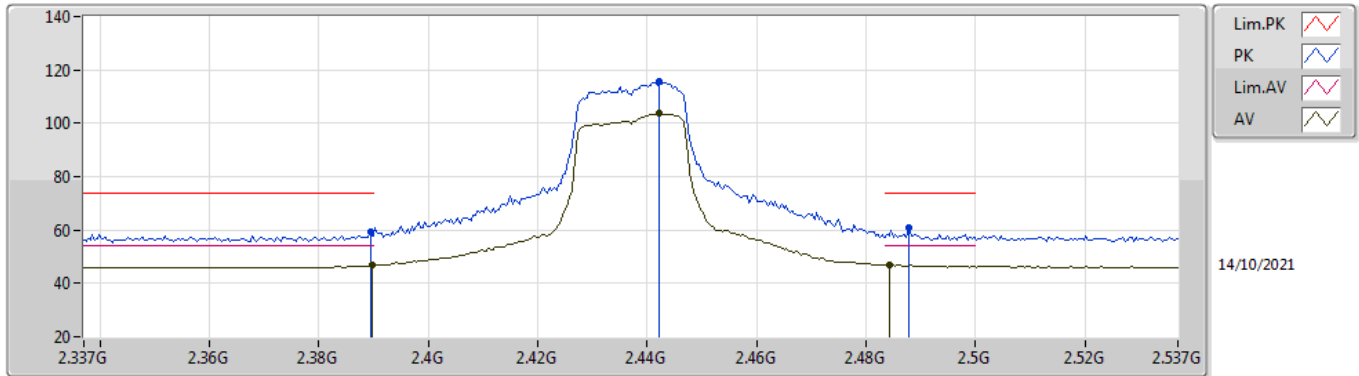


EUT_Z_2TX
Setting 27
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.387G	67.57	74.00	-6.43	34.85	3	Vertical	310	1.30	-	28.33	4.39	-
AV	2.3898G	51.41	54.00	-2.59	18.70	3	Vertical	310	1.30	-	28.32	4.39	-
PK	2.4454G	125.47	Inf	-Inf	92.66	3	Vertical	310	1.30	-	28.39	4.42	-
AV	2.4458G	114.43	Inf	-Inf	81.62	3	Vertical	310	1.30	-	28.39	4.42	-
PK	2.4846G	67.69	74.00	-6.31	34.64	3	Vertical	310	1.30	-	28.61	4.44	-
AV	2.4835G	52.06	54.00	-1.94	19.02	3	Vertical	310	1.30	-	28.60	4.44	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

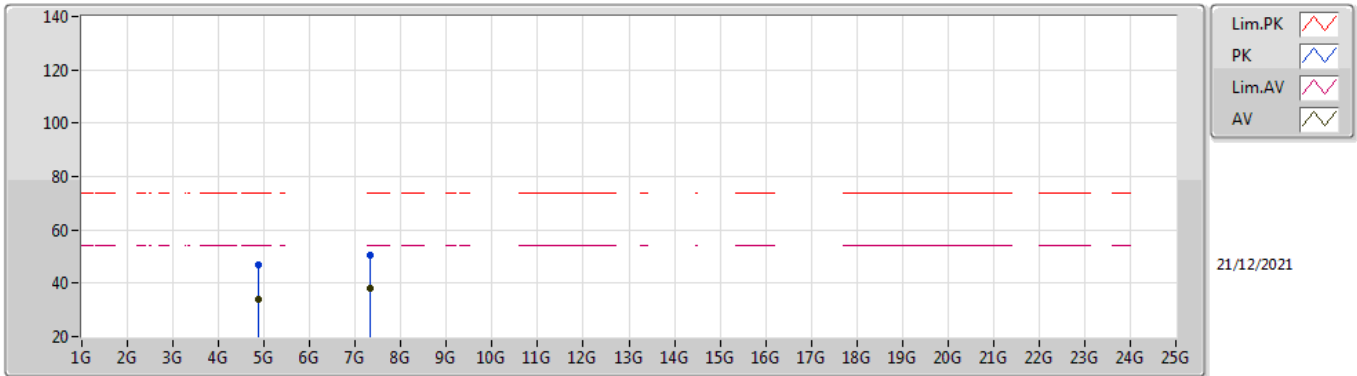


EUT_Z_2TX
Setting 27
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	59.14	74.00	-14.86	26.43	3	Horizontal	59.2	1.83	-	28.32	4.39	-
AV	2.3898G	46.71	54.00	-7.29	14.00	3	Horizontal	59.2	1.83	-	28.32	4.39	-
PK	2.4422G	115.83	Inf	-Inf	83.03	3	Horizontal	59.2	1.83	-	28.38	4.42	-
AV	2.4422G	103.62	Inf	-Inf	70.82	3	Horizontal	59.2	1.83	-	28.38	4.42	-
PK	2.4878G	60.80	74.00	-13.20	27.73	3	Horizontal	59.2	1.83	-	28.63	4.44	-
AV	2.4842G	46.90	54.00	-7.10	13.85	3	Horizontal	59.2	1.83	-	28.61	4.44	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

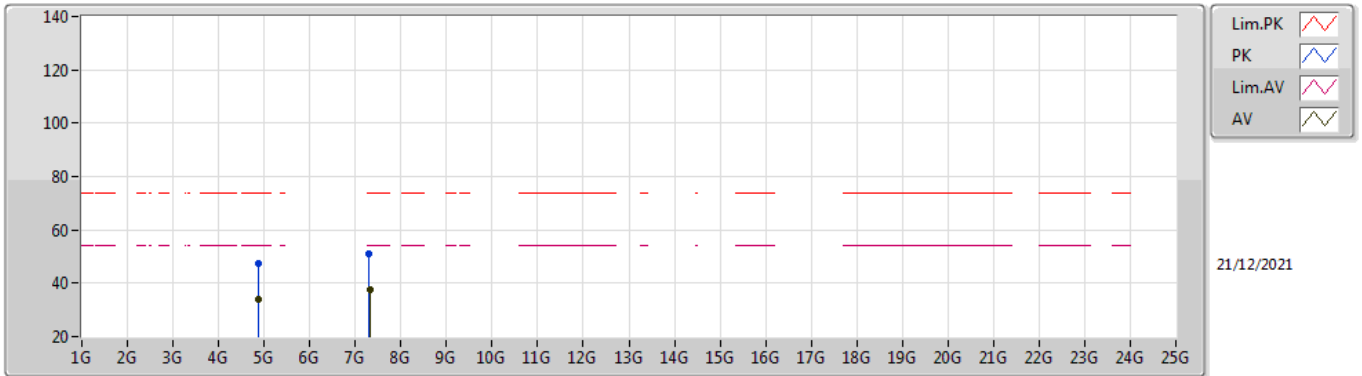


EUT_Z_2TX
Setting 27
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8741G	46.88	74.00	-27.12	41.72	3	Vertical	330	2.99	-	33.50	7.06	35.40
AV	4.8703G	34.14	54.00	-19.86	29.00	3	Vertical	330	2.99	-	33.48	7.06	35.40
PK	7.3149G	50.73	74.00	-23.27	40.76	3	Vertical	16	2.92	-	37.00	8.54	35.57
AV	7.31138G	37.86	54.00	-16.14	27.90	3	Vertical	16	2.92	-	37.00	8.53	35.57

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

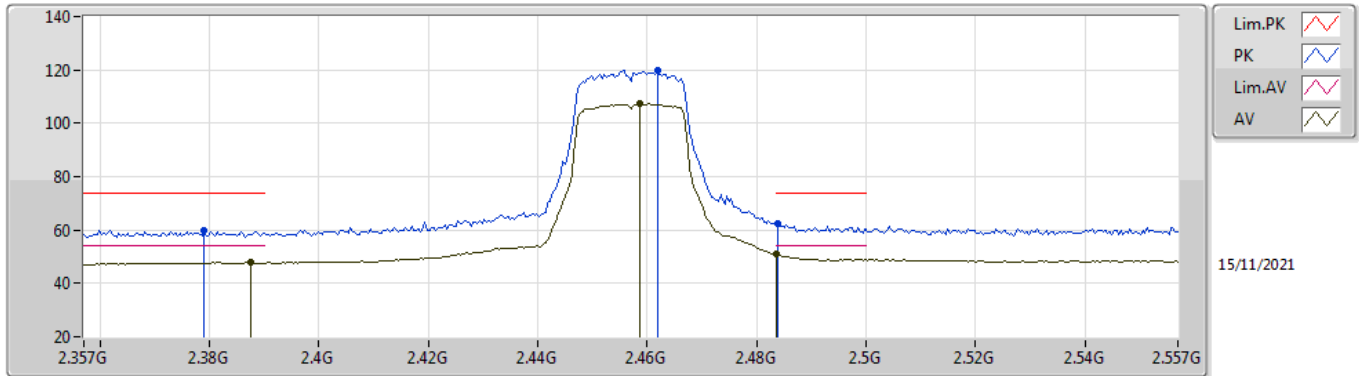


EUT Z_2TX
Setting 27
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8782G	47.36	74.00	-26.64	42.18	3	Horizontal	271	1.16	-	33.51	7.06	35.39
AV	4.8771G	34.01	54.00	-19.99	28.83	3	Horizontal	271	1.16	-	33.51	7.06	35.39
PK	7.30862G	50.92	74.00	-23.08	40.96	3	Horizontal	37	1.00	-	37.00	8.53	35.57
AV	7.31444G	37.84	54.00	-16.16	27.87	3	Horizontal	37	1.00	-	37.00	8.54	35.57

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

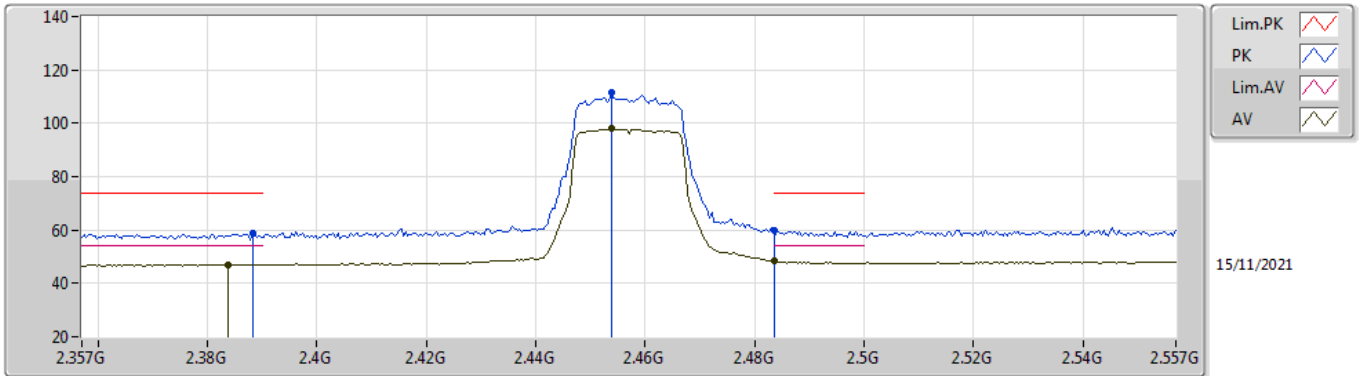


EUT_Z_2TX
Setting 25
02-B-S-8

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	2.379G	59.88	74.00	-14.12	28.73	3	Vertical	3	1.48	-	28.36	2.79	-
AV	2.3874G	47.81	54.00	-6.19	16.65	3	Vertical	3	1.48	-	28.37	2.79	-
PK	2.4618G	119.78	Inf	-Inf	88.47	3	Vertical	3	1.48	-	28.45	2.86	-
AV	2.4586G	107.55	Inf	-Inf	76.26	3	Vertical	3	1.48	-	28.43	2.86	-
PK	2.4838G	62.31	74.00	-11.69	30.89	3	Vertical	3	1.48	-	28.54	2.88	-
AV	2.4835G	50.82	54.00	-3.18	19.41	3	Vertical	3	1.48	-	28.53	2.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

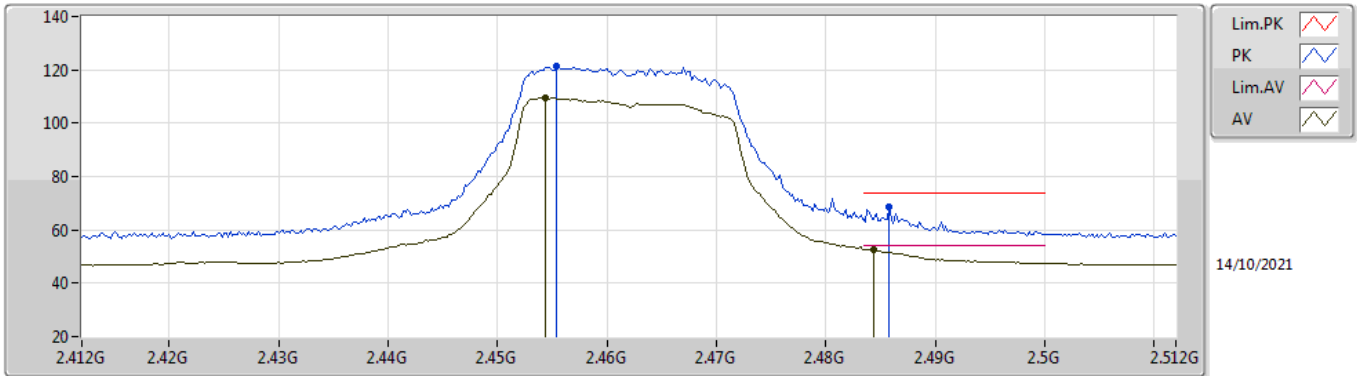


EUT_Z_2TX
Setting 25
02-B-S-8

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	58.69	74.00	-15.31	27.52	3	Horizontal	343	1.80	-	28.38	2.79	-
AV	2.3838G	47.00	54.00	-7.00	15.84	3	Horizontal	343	1.80	-	28.37	2.79	-
PK	2.4538G	111.59	Inf	-Inf	80.32	3	Horizontal	343	1.80	-	28.42	2.85	-
AV	2.4538G	97.91	Inf	-Inf	66.64	3	Horizontal	343	1.80	-	28.42	2.85	-
PK	2.4835G	59.74	74.00	-14.26	28.33	3	Horizontal	343	1.80	-	28.53	2.88	-
AV	2.4835G	48.26	54.00	-5.74	16.85	3	Horizontal	343	1.80	-	28.53	2.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

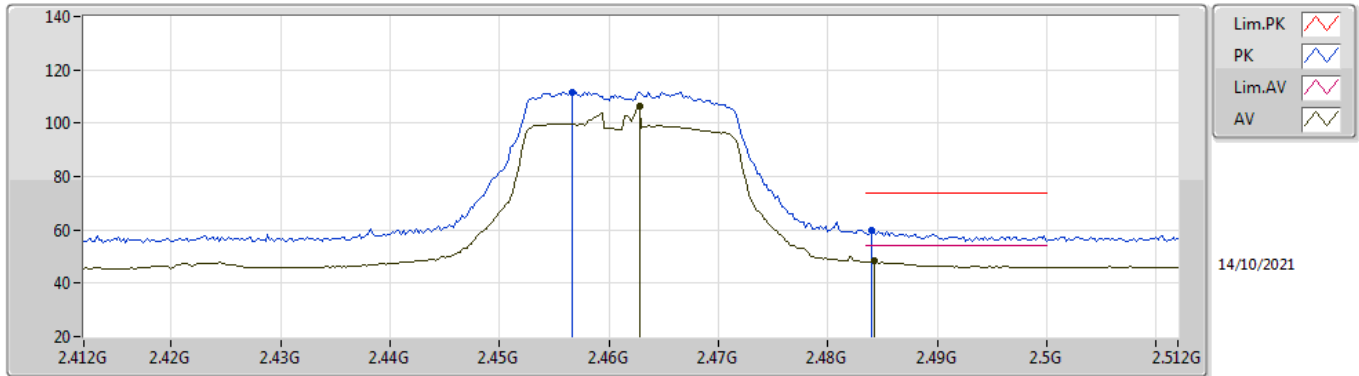


EUT_Z_2TX
Setting 23
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4554G	121.36	Inf	-Inf	88.50	3	Vertical	354	2.67	-	28.43	4.43	-
AV	2.4544G	109.29	Inf	-Inf	76.43	3	Vertical	354	2.67	-	28.43	4.43	-
PK	2.4858G	68.54	74.00	-5.46	35.49	3	Vertical	354	2.67	-	28.61	4.44	-
AV	2.4844G	52.75	54.00	-1.25	19.70	3	Vertical	354	2.67	-	28.61	4.44	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

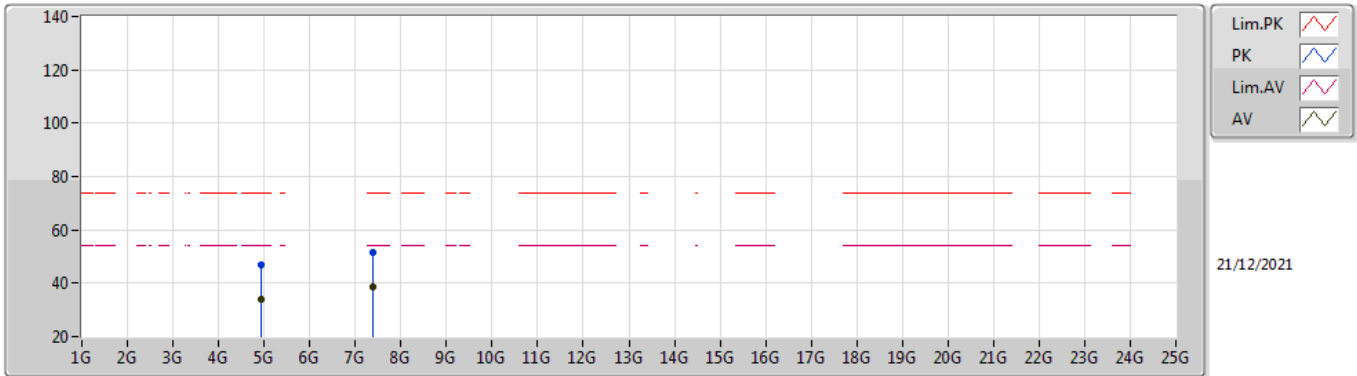


EUT_Z_2TX
Setting 23
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4566G	111.81	Inf	-Inf	78.94	3	Horizontal	35	1.01	-	28.44	4.43	-
AV	2.4628G	106.18	Inf	-Inf	73.27	3	Horizontal	35	1.01	-	28.48	4.43	-
PK	2.484G	59.61	74.00	-14.39	26.57	3	Horizontal	35	1.01	-	28.60	4.44	-
AV	2.4842G	48.19	54.00	-5.81	15.14	3	Horizontal	35	1.01	-	28.61	4.44	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

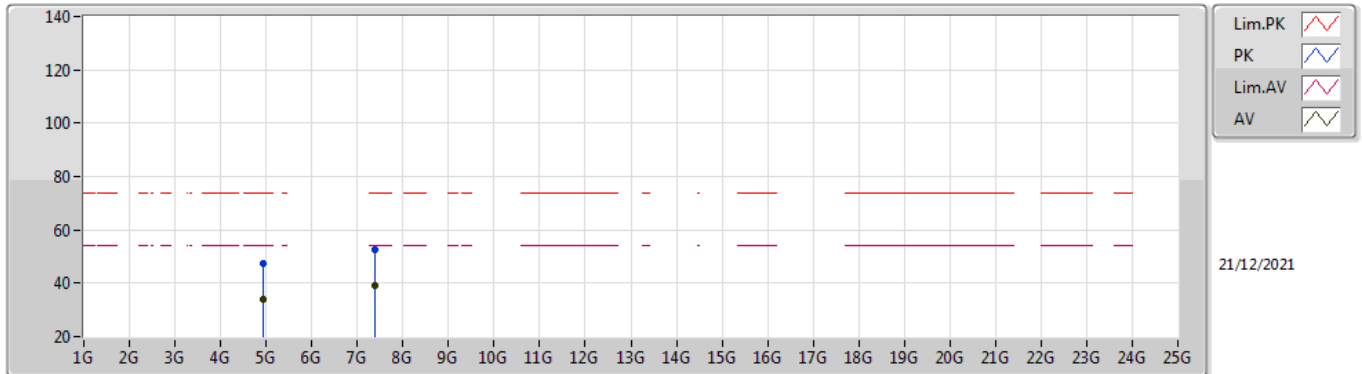


EUT_Z_2TX
Setting 23
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92714G	46.81	74.00	-27.19	41.49	3	Vertical	326	1.15	-	33.65	7.04	35.37
AV	4.9266G	33.84	54.00	-20.16	28.52	3	Vertical	326	1.15	-	33.65	7.04	35.37
PK	7.38112G	51.55	74.00	-22.45	41.34	3	Vertical	76	1.09	-	37.06	8.74	35.59
AV	7.3812G	38.87	54.00	-15.13	28.66	3	Vertical	76	1.09	-	37.06	8.74	35.59

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

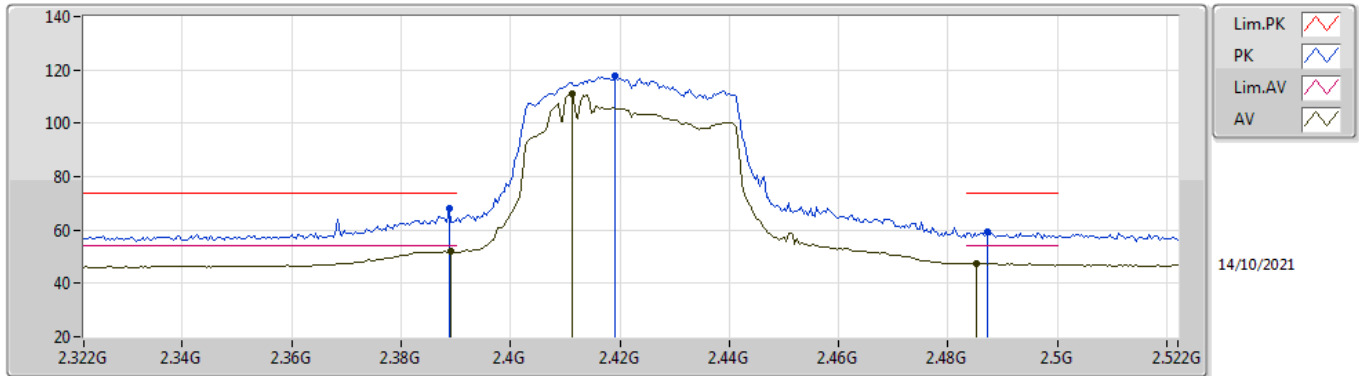


EUT_Z_2TX
Setting 23
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9256G	47.26	74.00	-26.74	41.94	3	Horizontal	290	2.70	-	33.65	7.04	35.37
AV	4.92278G	33.81	54.00	-20.19	28.49	3	Horizontal	290	2.70	-	33.65	7.04	35.37
PK	7.38846G	52.56	74.00	-21.44	42.30	3	Horizontal	321	1.11	-	37.08	8.77	35.59
AV	7.38832G	39.14	54.00	-14.86	28.89	3	Horizontal	321	1.11	-	37.08	8.76	35.59

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

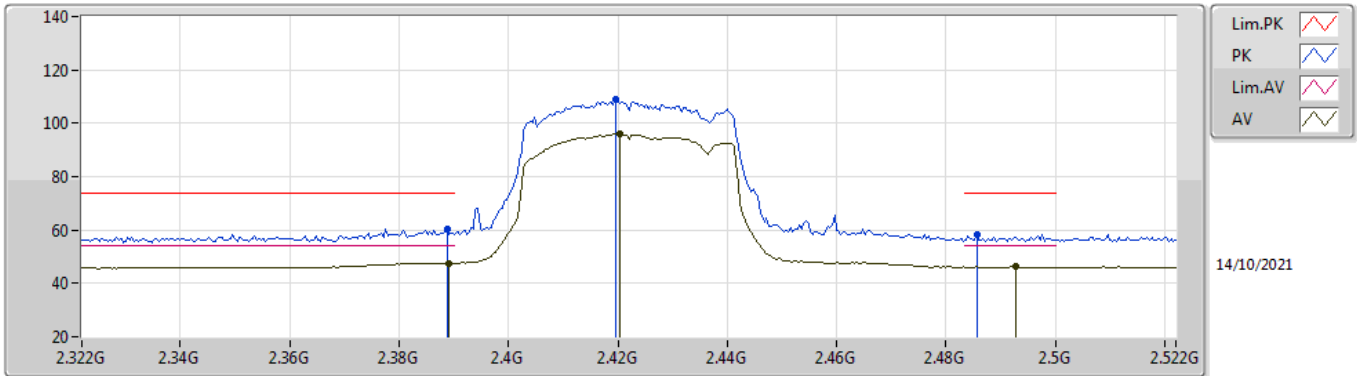


EUT_Z_2TX
Setting 22
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	68.24	74.00	-5.76	35.53	3	Vertical	324.4	2.94	-	28.32	4.39	-
AV	2.3892G	51.88	54.00	-2.12	19.17	3	Vertical	324.4	2.94	-	28.32	4.39	-
PK	2.4192G	117.62	Inf	-Inf	84.87	3	Vertical	324.4	2.94	-	28.34	4.41	-
AV	2.4112G	110.97	Inf	-Inf	78.24	3	Vertical	324.4	2.94	-	28.32	4.41	-
PK	2.4872G	59.20	74.00	-14.80	26.14	3	Vertical	324.4	2.94	-	28.62	4.44	-
AV	2.4852G	47.57	54.00	-6.43	14.52	3	Vertical	324.4	2.94	-	28.61	4.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

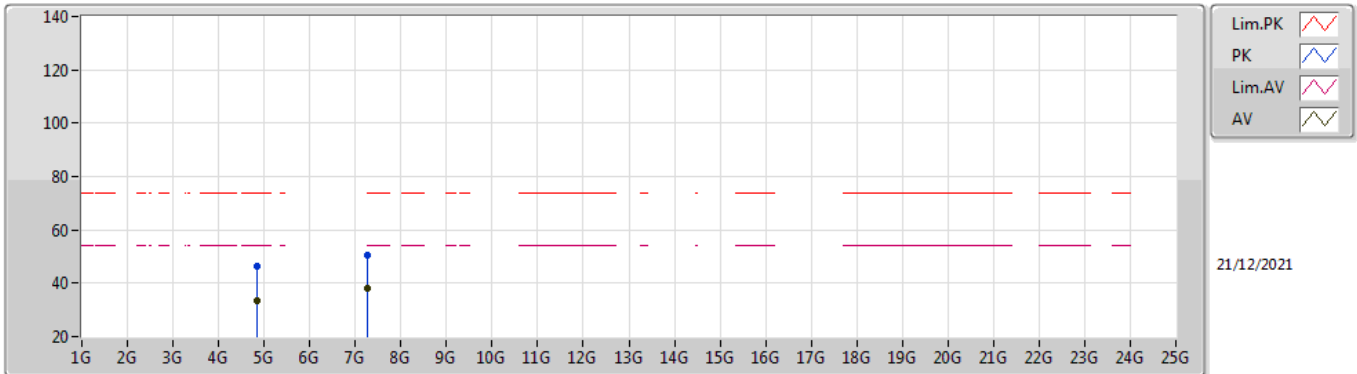


EUT_Z_2TX
Setting 22
03-D-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	60.20	74.00	-13.80	27.49	3	Horizontal	139.4	1.68	-	28.32	4.39	-
AV	2.3892G	47.63	54.00	-6.37	14.92	3	Horizontal	139.4	1.68	-	28.32	4.39	-
PK	2.4196G	108.95	Inf	-Inf	76.20	3	Horizontal	139.4	1.68	-	28.34	4.41	-
AV	2.4204G	96.08	Inf	-Inf	63.33	3	Horizontal	139.4	1.68	-	28.34	4.41	-
PK	2.4856G	58.12	74.00	-15.88	25.07	3	Horizontal	139.4	1.68	-	28.61	4.44	-
AV	2.4928G	46.21	54.00	-7.79	13.10	3	Horizontal	139.4	1.68	-	28.66	4.45	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

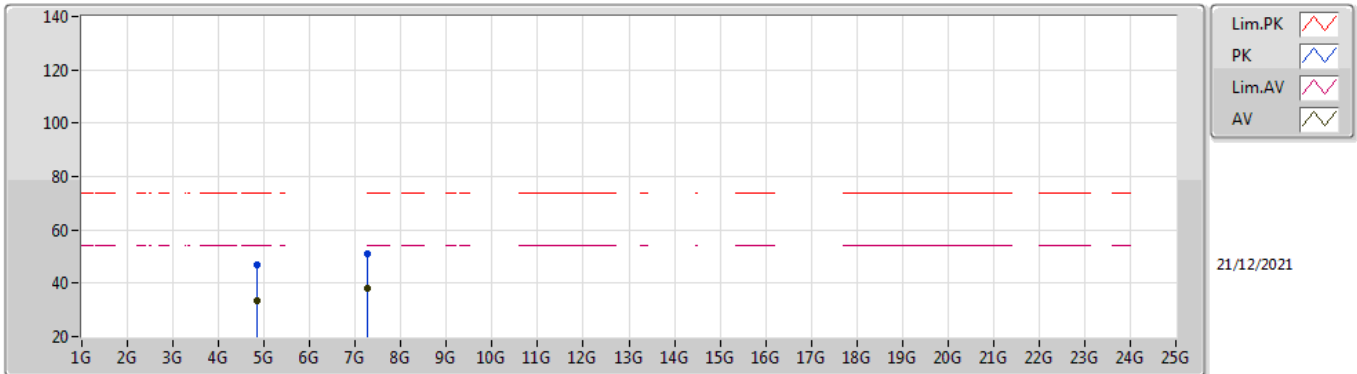


EUT_Z_2TX
Setting 22
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84268G	46.37	74.00	-27.63	41.30	3	Vertical	295	2.84	-	33.40	7.08	35.41
AV	4.83906G	33.58	54.00	-20.42	28.51	3	Vertical	295	2.84	-	33.40	7.08	35.41
PK	7.26592G	50.61	74.00	-23.39	40.91	3	Vertical	199	1.25	-	36.86	8.40	35.56
AV	7.26194G	37.95	54.00	-16.05	28.27	3	Vertical	199	1.25	-	36.85	8.39	35.56

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

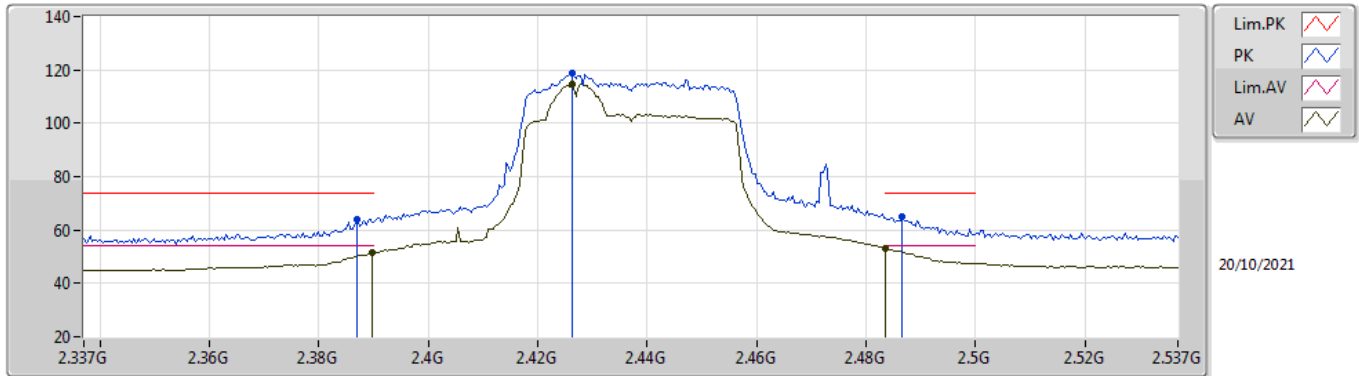


EUT_Z_2TX
Setting 22
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8403G	46.82	74.00	-27.18	41.75	3	Horizontal	329	2.31	-	33.40	7.08	35.41
AV	4.8482G	33.39	54.00	-20.61	28.32	3	Horizontal	329	2.31	-	33.40	7.08	35.41
PK	7.2617G	50.92	74.00	-23.08	41.24	3	Horizontal	233	1.11	-	36.85	8.39	35.56
AV	7.26116G	37.97	54.00	-16.03	28.31	3	Horizontal	233	1.11	-	36.84	8.38	35.56

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

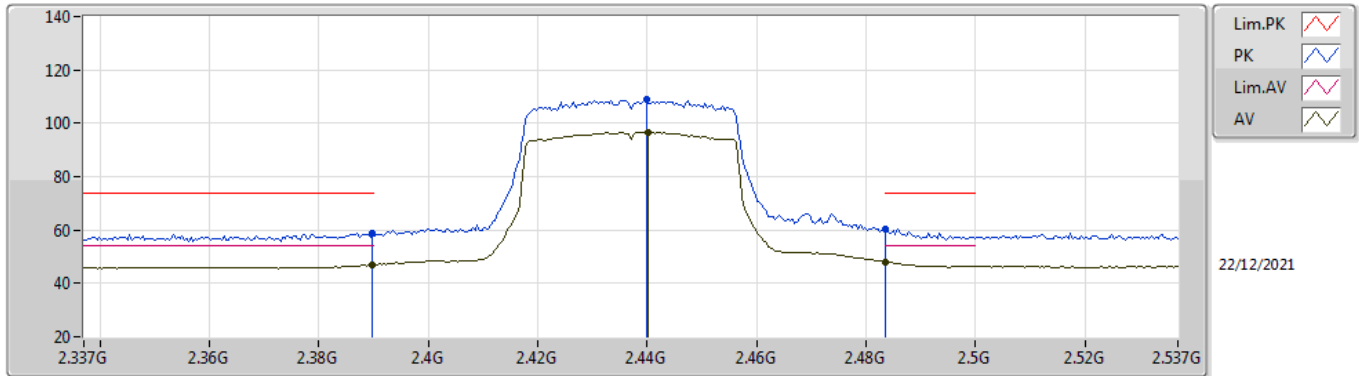


EUT_Z_2TX
Setting 24
01-D-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.387G	64.00	74.00	-10.00	32.83	3	Vertical	49	1.43	-	27.37	3.80	-
AV	2.3898G	51.46	54.00	-2.54	20.28	3	Vertical	49	1.43	-	27.38	3.80	-
PK	2.4262G	118.56	Inf	-Inf	87.30	3	Vertical	49	1.43	-	27.45	3.81	-
AV	2.4262G	114.77	Inf	-Inf	83.51	3	Vertical	49	1.43	-	27.45	3.81	-
PK	2.4866G	64.76	74.00	-9.24	33.20	3	Vertical	49	1.43	-	27.72	3.84	-
AV	2.4835G	52.89	54.00	-1.11	21.35	3	Vertical	49	1.43	-	27.70	3.84	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

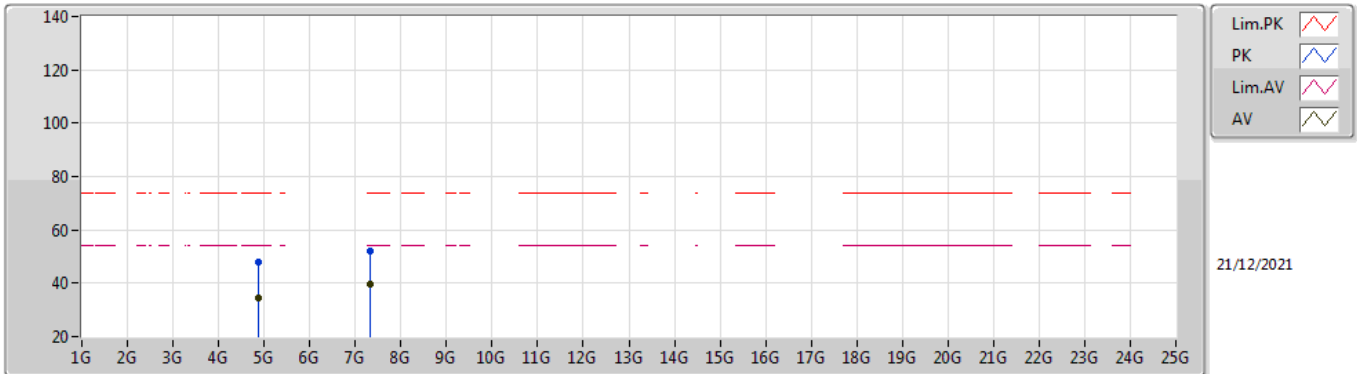


EUT_Z_2TX
Setting 24
03-C-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	58.83	74.00	-15.17	26.12	3	Horizontal	50.2	1.45	-	28.32	4.39	-
AV	2.3898G	46.81	54.00	-7.19	14.10	3	Horizontal	50.2	1.45	-	28.32	4.39	-
PK	2.4398G	108.93	Inf	-Inf	76.13	3	Horizontal	50.2	1.45	-	28.38	4.42	-
AV	2.4402G	96.68	Inf	-Inf	63.88	3	Horizontal	50.2	1.45	-	28.38	4.42	-
PK	2.4835G	60.42	74.00	-13.58	27.38	3	Horizontal	50.2	1.45	-	28.60	4.44	-
AV	2.4835G	48.10	54.00	-5.90	15.06	3	Horizontal	50.2	1.45	-	28.60	4.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

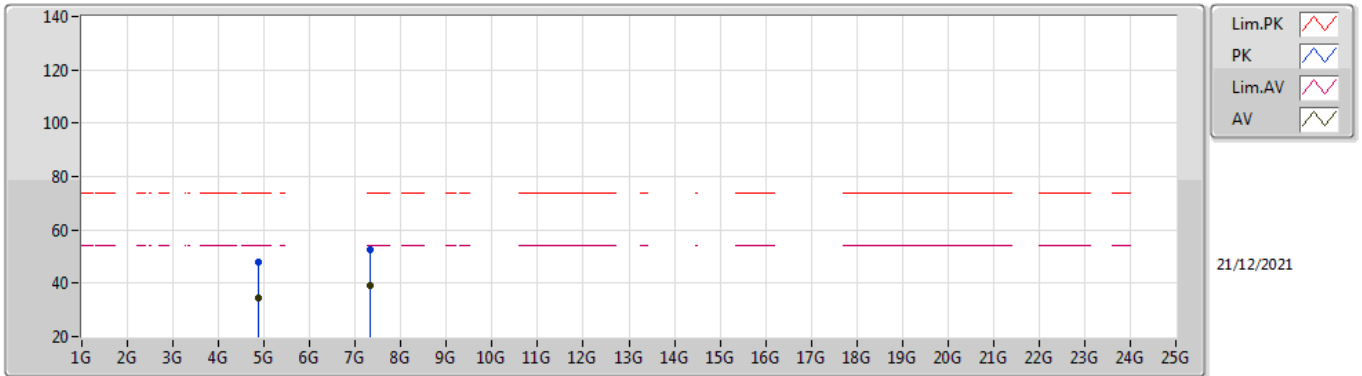


EUT_Z_2TX
Setting 24
01-D-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87614G	47.84	74.00	-26.16	42.07	3	Vertical	29	2.14	-	32.45	6.30	32.98
AV	4.87396G	34.73	54.00	-19.27	28.96	3	Vertical	29	2.14	-	32.45	6.30	32.98
PK	7.31418G	52.25	74.00	-21.75	40.86	3	Vertical	212	2.87	-	37.16	7.31	33.08
AV	7.3146G	39.47	54.00	-14.53	28.08	3	Vertical	212	2.87	-	37.16	7.31	33.08

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

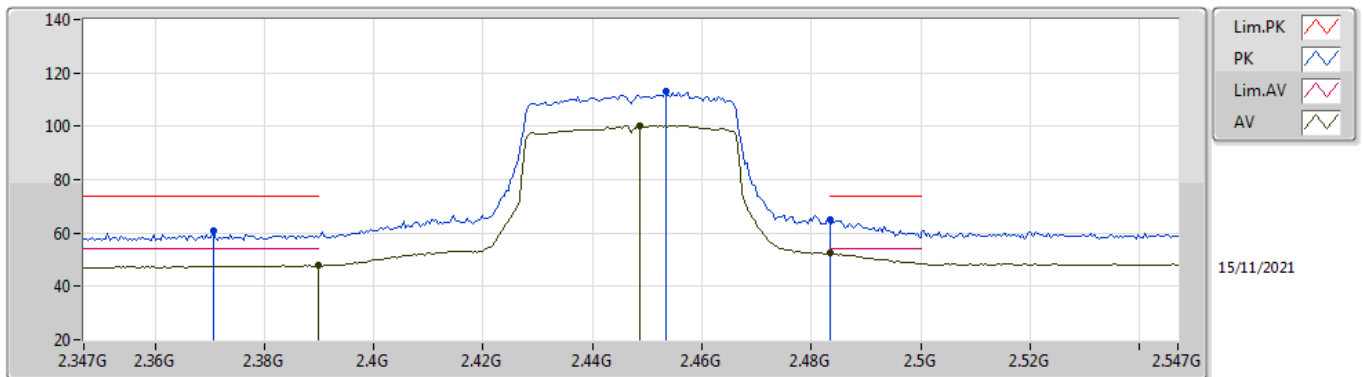


EUT Z_2TX
Setting 24
01-D-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87402G	47.87	74.00	-26.13	42.10	3	Horizontal	282	2.80	-	32.45	6.30	32.98
AV	4.87784G	34.72	54.00	-19.28	28.94	3	Horizontal	282	2.80	-	32.46	6.30	32.98
PK	7.31532G	52.51	74.00	-21.49	41.11	3	Horizontal	213	1.27	-	37.16	7.32	33.08
AV	7.31474G	39.39	54.00	-14.61	28.00	3	Horizontal	213	1.27	-	37.16	7.31	33.08

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2447MHz_TX

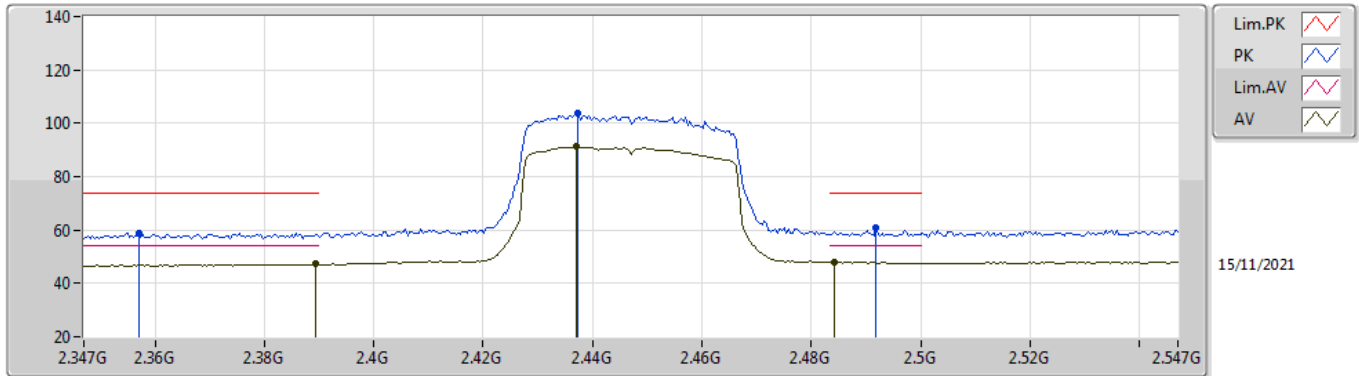


EUT_Z_2TX
Setting 21
02-B-S-8

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	2.3706G	60.82	74.00	-13.18	29.69	3	Vertical	360	1.22	-	28.34	2.79	-
AV	2.3898G	47.77	54.00	-6.23	16.60	3	Vertical	360	1.22	-	28.38	2.79	-
PK	2.4534G	113.01	Inf	-Inf	81.75	3	Vertical	360	1.22	-	28.41	2.85	-
AV	2.4486G	100.27	Inf	-Inf	69.02	3	Vertical	360	1.22	-	28.40	2.85	-
PK	2.4835G	64.78	74.00	-9.22	33.37	3	Vertical	360	1.22	-	28.53	2.88	-
AV	2.4835G	52.46	54.00	-1.54	21.05	3	Vertical	360	1.22	-	28.53	2.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2447MHz_TX

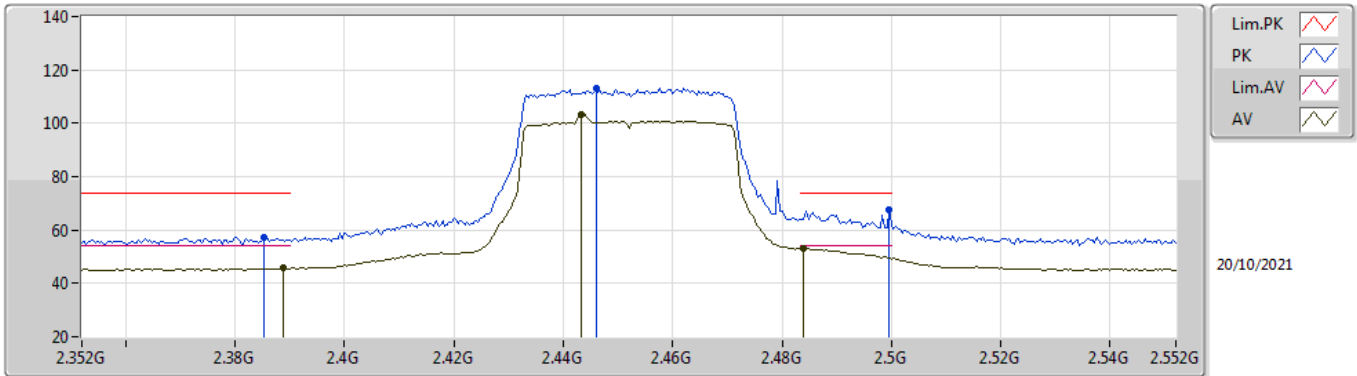


EUT_Z_2TX
Setting 21
02-B-S-8

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	2.357G	58.75	74.00	-15.25	27.66	3	Horizontal	345	2.54	-	28.31	2.78	-
AV	2.3894G	47.17	54.00	-6.83	16.00	3	Horizontal	345	2.54	-	28.38	2.79	-
PK	2.4374G	103.84	Inf	-Inf	72.60	3	Horizontal	345	2.54	-	28.40	2.84	-
AV	2.437G	91.31	Inf	-Inf	60.07	3	Horizontal	345	2.54	-	28.40	2.84	-
PK	2.4918G	60.62	74.00	-13.38	29.16	3	Horizontal	345	2.54	-	28.57	2.89	-
AV	2.4842G	47.94	54.00	-6.06	16.52	3	Horizontal	345	2.54	-	28.54	2.88	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

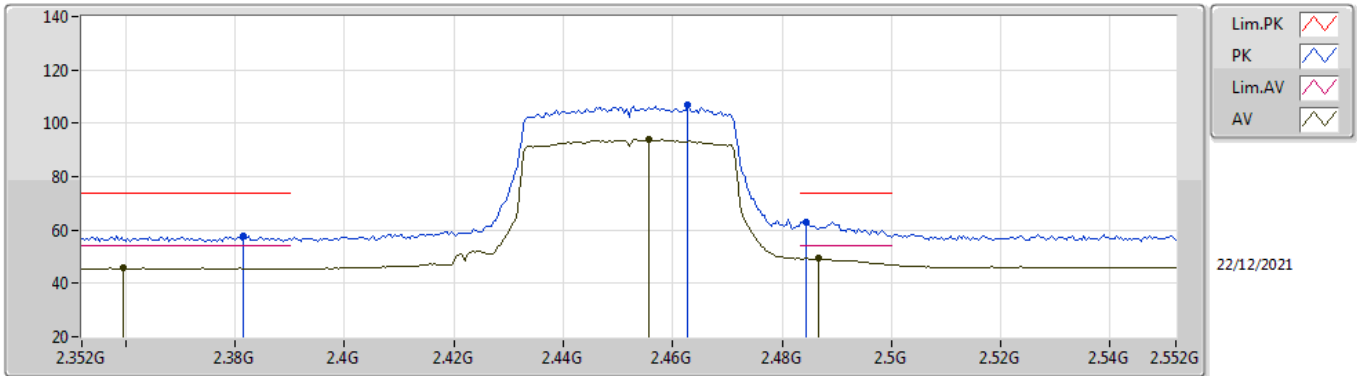


EUT_Z_2TX
Setting 21
01-D-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3852G	57.01	74.00	-16.99	25.84	3	Vertical	358	1.80	-	27.37	3.80	-
AV	2.3888G	45.73	54.00	-8.27	14.55	3	Vertical	358	1.80	-	27.38	3.80	-
PK	2.446G	113.10	Inf	-Inf	81.79	3	Vertical	358	1.80	-	27.49	3.82	-
AV	2.4432G	103.29	Inf	-Inf	71.98	3	Vertical	358	1.80	-	27.49	3.82	-
PK	2.4996G	67.38	74.00	-6.62	35.73	3	Vertical	358	1.80	-	27.80	3.85	-
AV	2.484G	52.91	54.00	-1.09	21.37	3	Vertical	358	1.80	-	27.70	3.84	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

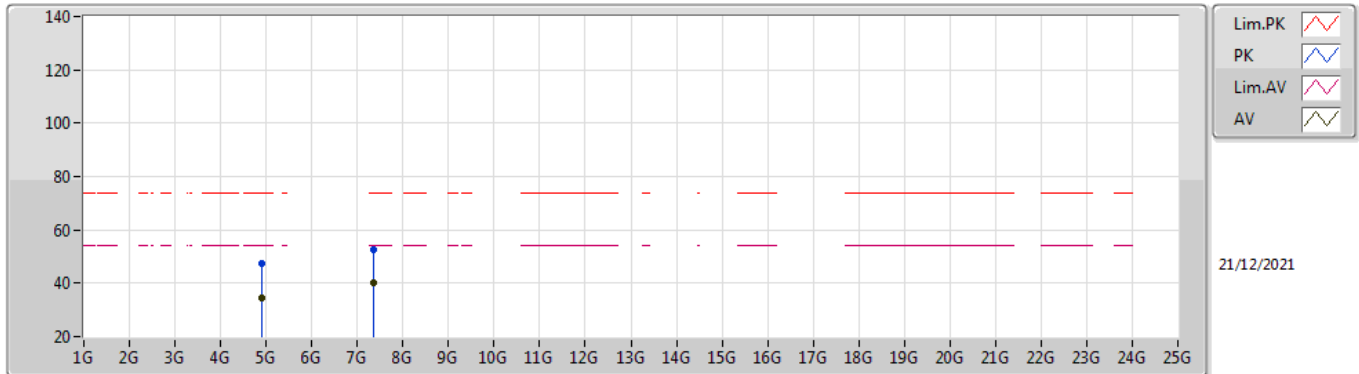


EUT_Z_2TX
Setting 21
03-C-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3816G	57.89	74.00	-16.11	25.17	3	Horizontal	55	1.18	-	28.34	4.38	-
AV	2.3596G	45.71	54.00	-8.29	12.97	3	Horizontal	55	1.18	-	28.38	4.36	-
PK	2.4628G	106.80	Inf	-Inf	73.89	3	Horizontal	55	1.18	-	28.48	4.43	-
AV	2.4556G	93.88	Inf	-Inf	61.02	3	Horizontal	55	1.18	-	28.43	4.43	-
PK	2.4844G	63.06	74.00	-10.94	30.01	3	Horizontal	55	1.18	-	28.61	4.44	-
AV	2.4868G	49.44	54.00	-4.56	16.38	3	Horizontal	55	1.18	-	28.62	4.44	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

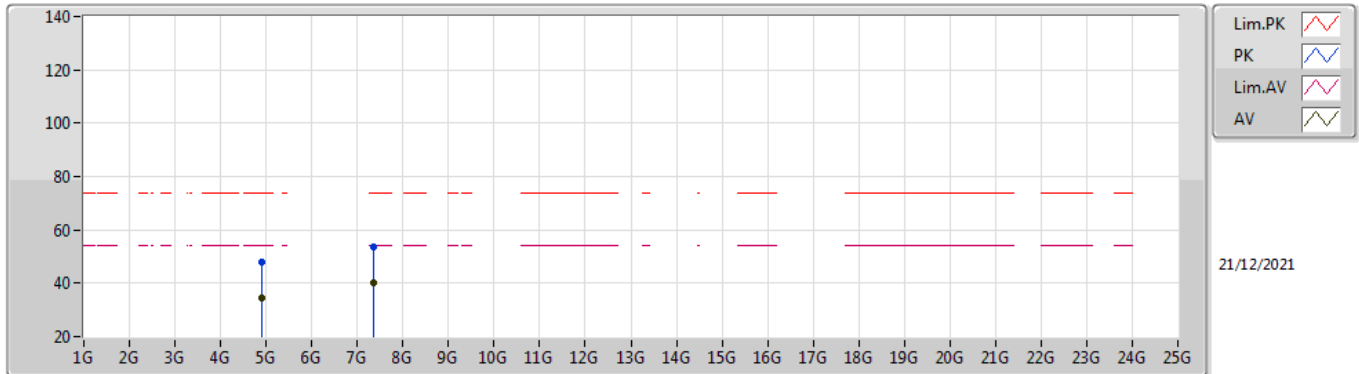


EUT_Z_2TX
Setting 21
03-C-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90316G	47.20	74.00	-26.80	41.35	3	Vertical	2	1.57	-	32.52	6.30	32.97
AV	4.9072G	34.37	54.00	-19.63	28.50	3	Vertical	2	1.57	-	32.54	6.30	32.97
PK	7.3521G	52.63	74.00	-21.37	41.04	3	Vertical	208	2.78	-	37.30	7.35	33.06
AV	7.35848G	39.98	54.00	-14.02	28.38	3	Vertical	208	2.78	-	37.30	7.36	33.06

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX



EUT Z_2TX
Setting 21
03-C-S-8

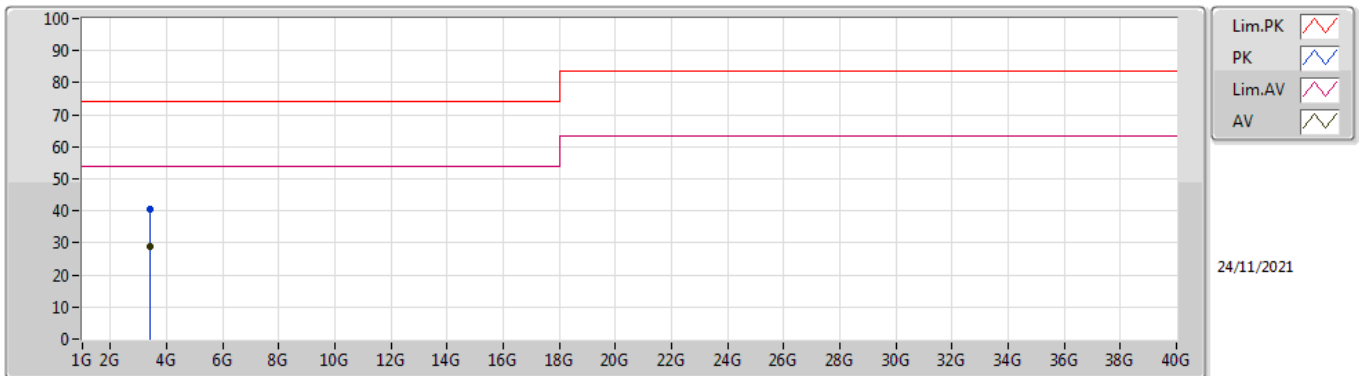
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.89926G	47.83	74.00	-26.17	42.00	3	Horizontal	311	1.99	-	32.50	6.30	32.97
AV	4.90008G	34.32	54.00	-19.68	28.49	3	Horizontal	311	1.99	-	32.50	6.30	32.97
PK	7.35832G	53.55	74.00	-20.45	41.95	3	Horizontal	168	2.57	-	37.30	7.36	33.06
AV	7.35116G	39.93	54.00	-14.07	28.34	3	Horizontal	168	2.57	-	37.30	7.35	33.06



Summary

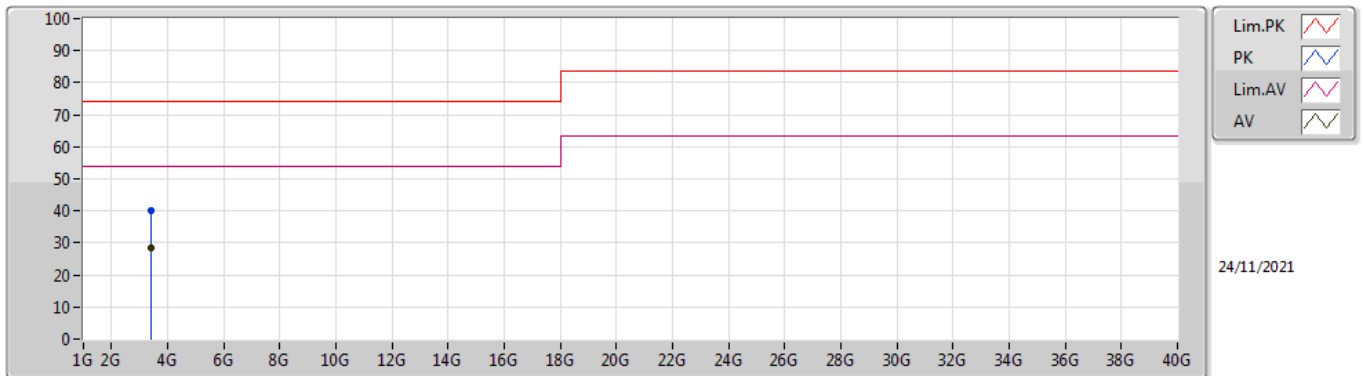
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	3.4166G	28.70	54.00	-25.30	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	3.41684G	40.40	74.00	-33.60	-2.26	3	Vertical	265	1.60	-	42.66	28.50	5.90	36.66
AV	3.41666G	28.70	54.00	-25.30	-2.26	3	Vertical	265	1.60	"Worst"	30.96	28.50	5.90	36.66

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	3.41674G	40.28	74.00	-33.72	-2.26	3	Horizontal	241	1.00	-	42.54	28.50	5.90	36.66
AV	3.41652G	28.55	54.00	-25.45	-2.26	3	Horizontal	241	1.00	"Worst"	30.81	28.50	5.90	36.66