



RADIO TEST REPORT

FCC ID : 2AXJ4X50
Equipment : AX3000 Whole Home Mesh Wi-Fi 6 System
Brand Name : tp-link
Model Name : Deco X50, Deco X55
Applicant : TP-Link Corporation Limited
Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Manufacturer : TP-Link Corporation Limited
Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 13, 2021, and testing was started from Jul. 22, 2021 and completed on Sep. 14, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

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



Table of Contents

History of this test report.....3

Summary of Test Result.....4

1 General Description5

1.1 Information.....5

1.2 Applicable Standards8

1.3 Testing Location Information.....8

1.4 Measurement Uncertainty9

2 Test Configuration of EUT10

2.1 Test Channel Mode10

2.2 The Worst Case Measurement Configuration.....11

2.3 EUT Operation during Test12

2.4 Accessories12

2.5 Support Equipment.....12

2.6 Test Setup Diagram14

3 Transmitter Test Result17

3.1 AC Power-line Conducted Emissions17

3.2 DTS Bandwidth19

3.3 Maximum Conducted Output Power20

3.4 Power Spectral Density23

3.5 Emissions in Non-restricted Frequency Bands25

3.6 Emissions in Restricted Frequency Bands.....26

4 Test Equipment and Calibration Data30

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



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: Vicky Huang



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), ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), 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	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11ax HEW40	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.
- ♦ 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)	
						2.4GHz	5GHz
1	2	tp-link	3101502756	Dipole Antenna	I-PEX	1.93	0.9
2	1	tp-link	3101502757	Dipole Antenna	I-PEX	1.94	0.97

Note: The above information was declared by manufacturer.

<For 2.4GHz Function>

For IEEE 802.11b/g/n/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.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.943	0.25	9.995m	300
802.11g	0.939	0.27	1.978m	1k
802.11ax HEW20	0.909	0.41	5.446m	300
802.11ax HEW40	0.905	0.43	5.446m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter			
Beamforming Function	<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/> Without beamforming		
Function	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/> Point-to-point		
Test Software Version	QSPR Version 5.0-00196			

Note: The above information was declared by manufacturer.



1.1.5 Table for Multiple Listing

EUT	Model Name	The color of the top cover on the EUT
1	Deco X50	White
2	Deco X55	Black

Note 1: From the above models, model: Deco X50 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.6 Table for EUT Supports Functions

Function
AP Router
Mesh

Note: After evaluating, there is only AP Router mode was selected to test and record in the report.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Li	23.5~25.4 / 54~56	Aug. 16, 2021~ Sep. 14, 2021
Radiated (Below 1GHz)	10CH01-CB	Zack Kuo	24~26 / 55~57	Jul. 23, 2021
Radiated (Above 1GHz)	03CH02-CB	Ken Yeh	24.6-25.7 / 55-58	Aug. 13, 2021~ Sep. 14, 2021
Radiated (Co-location)	03CH01-CB	Ken Yeh	23.9-26.1 / 55-58	Aug. 13, 2021~ Sep. 14, 2021
AC Conduction	CO02-CB	Wei Li	23~24 / 61~64	Jul. 22, 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)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 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

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	26
2417MHz	26
2437MHz	26
2457MHz	26
2462MHz	26
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	22.5
2417MHz	23
2437MHz	26
2457MHz	23
2462MHz	22.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	22.5
2417MHz	22.5
2437MHz	25.5
2457MHz	23
2462MHz	22.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	21
2427MHz	21
2437MHz	22
2447MHz	22
2452MHz	22



2.2 The Worst Case Measurement Configuration

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

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
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA171316 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Y axis position.



2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	tp-link	T120150-2B4	Input: 100-240V~50/60Hz, 0.6A Output: 12V, 1.5A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN NB	DELL	E6430	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	AP Router	ASUS	RP-N53	MSQ-RPN53

For Radiated (below 1GHz):

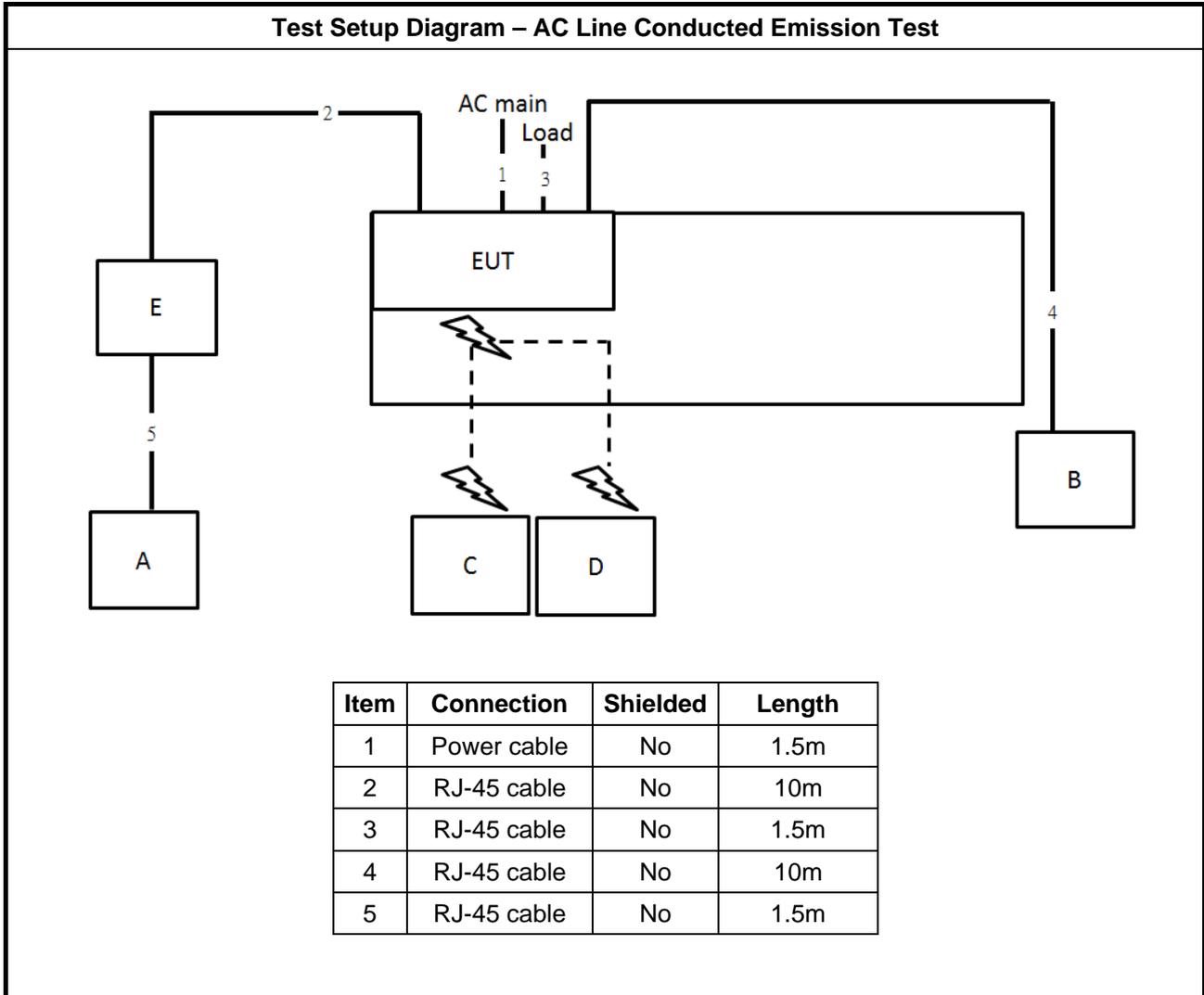
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN NB	DELL	E6430	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	AP Router	ASUS	RP-N53	MSQ-RPN53



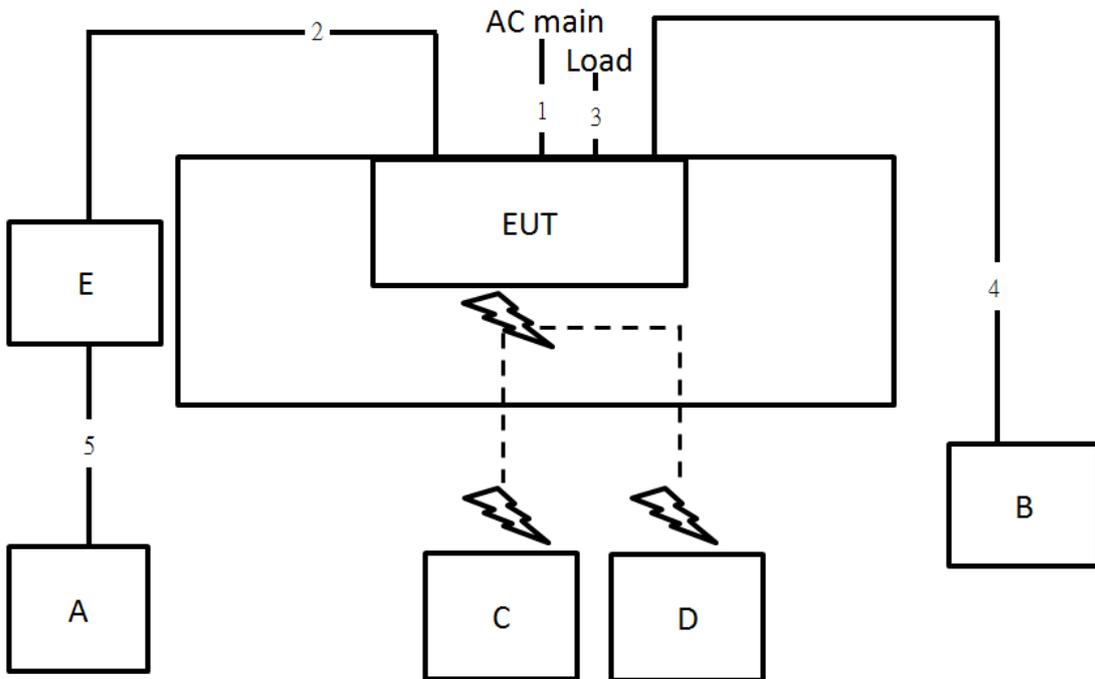
For Radiated (above 1GHz) and RF Conducted:

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

2.6 Test Setup Diagram

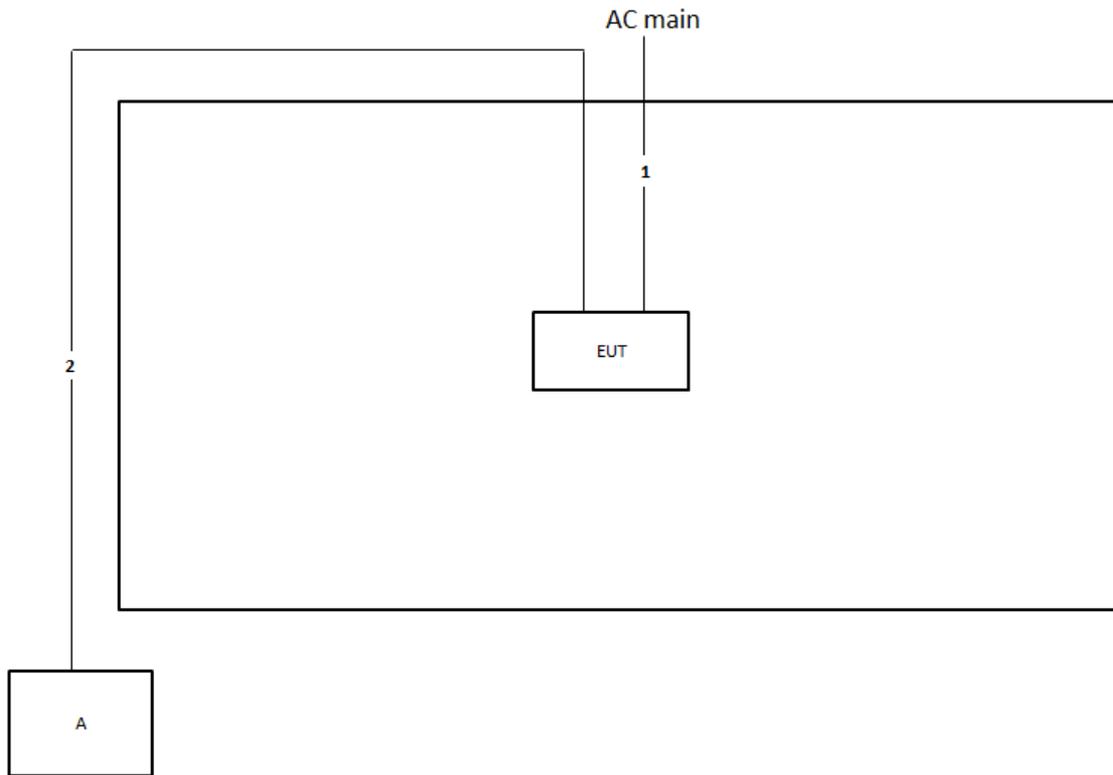


Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

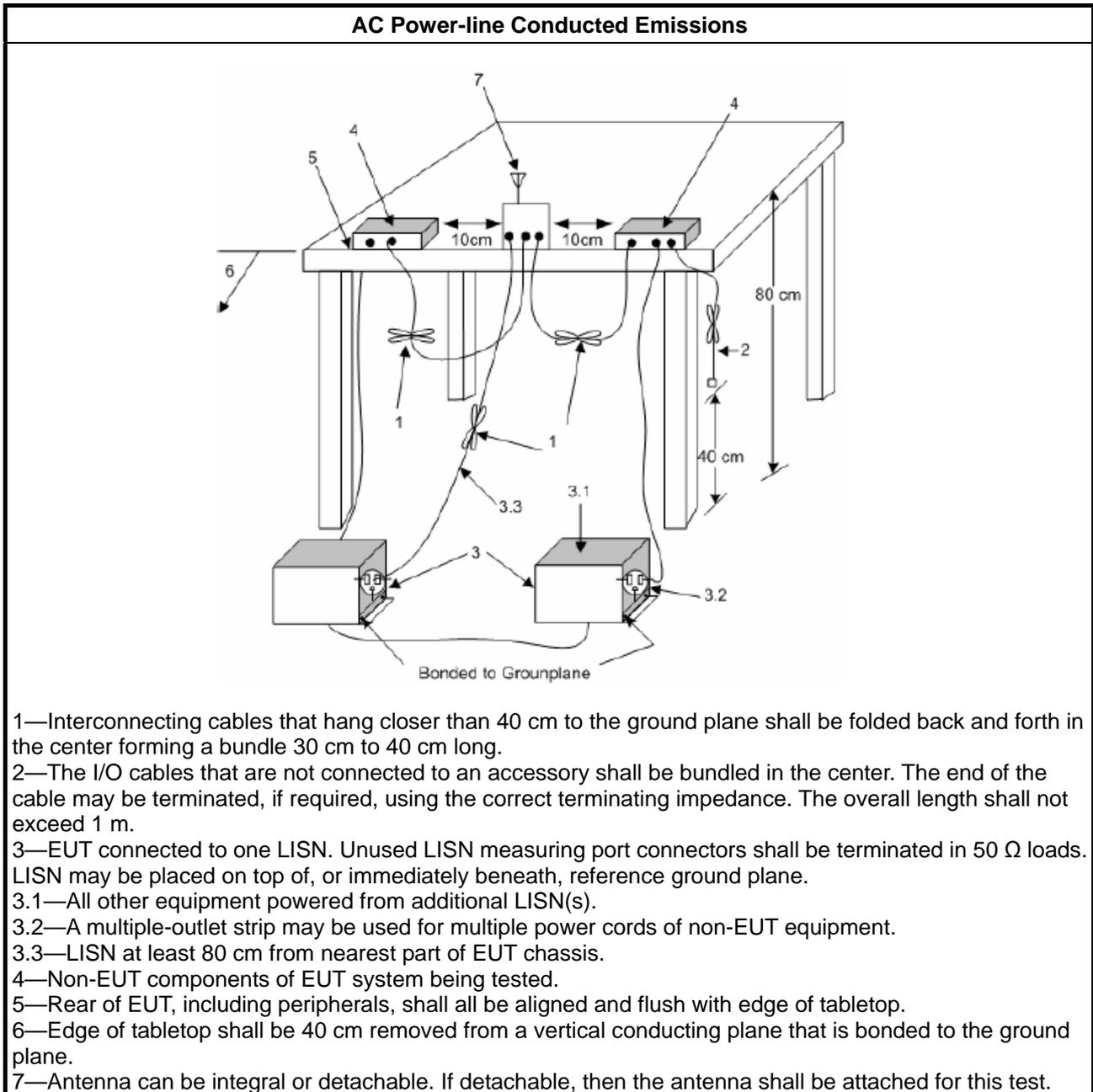
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

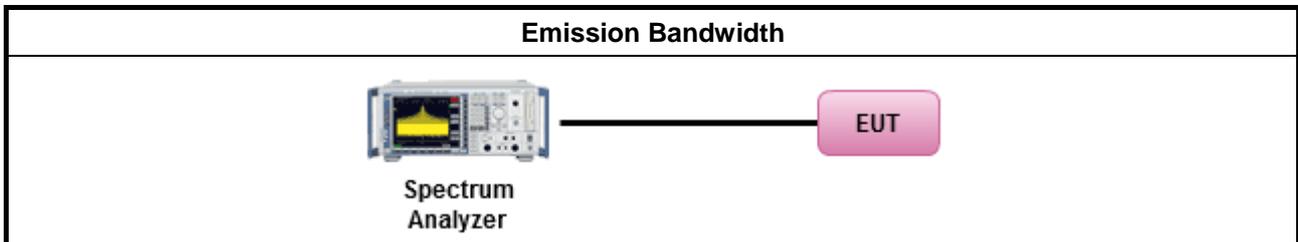
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none">▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none">▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none">▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none">▪ Smart antenna system (SAS):
	<ul style="list-style-type: none">- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none">- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none">- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

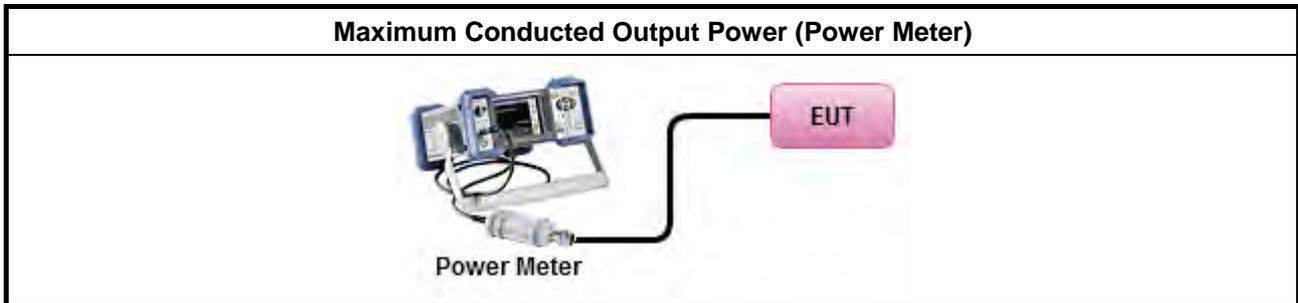
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
[duty cycle ≥ 98% or external video / power trigger]	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
	<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

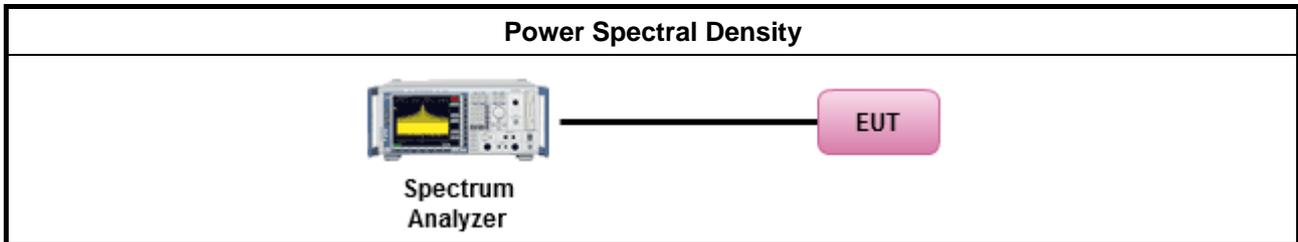
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method			
<ul style="list-style-type: none"> Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option). 			
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.			
<ul style="list-style-type: none"> For conducted measurement. <ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <table border="1"> <tbody> <tr> <td> <input checked="" type="checkbox"/> Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. </td> </tr> <tr> <td> <input type="checkbox"/> Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits, </td> </tr> <tr> <td> <input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit. </td> </tr> </tbody> </table> 	<input checked="" type="checkbox"/> Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	<input type="checkbox"/> Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,	<input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
<input checked="" type="checkbox"/> Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.			
<input type="checkbox"/> Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,			
<input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.			

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

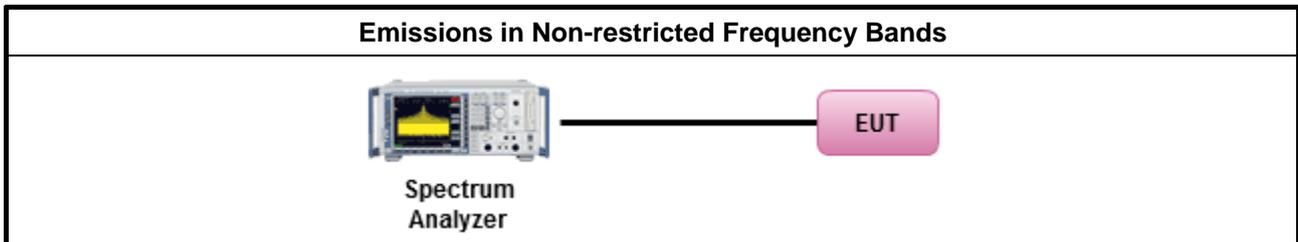
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E



3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

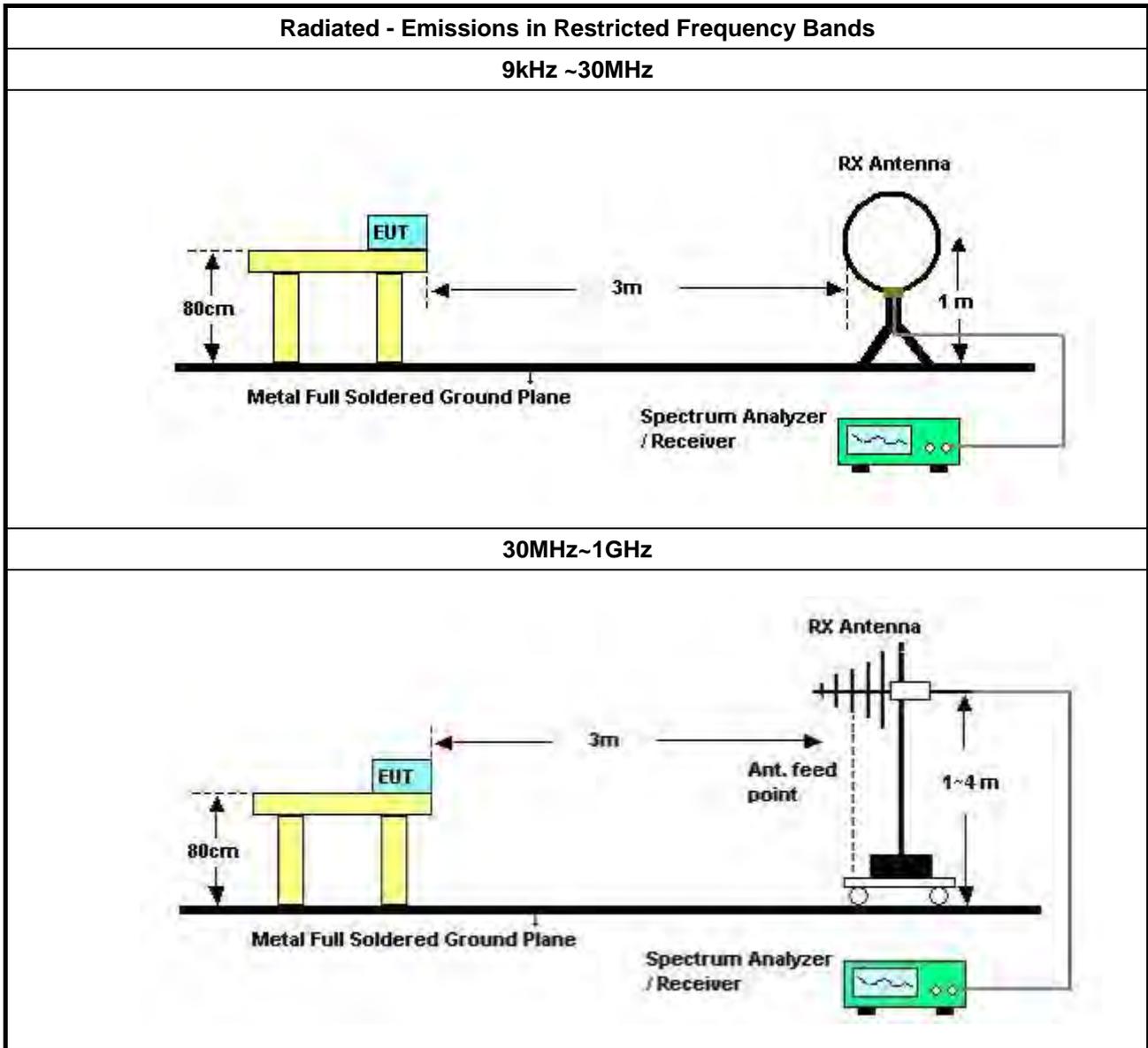
Refer a test equipment and calibration data table in this test report.

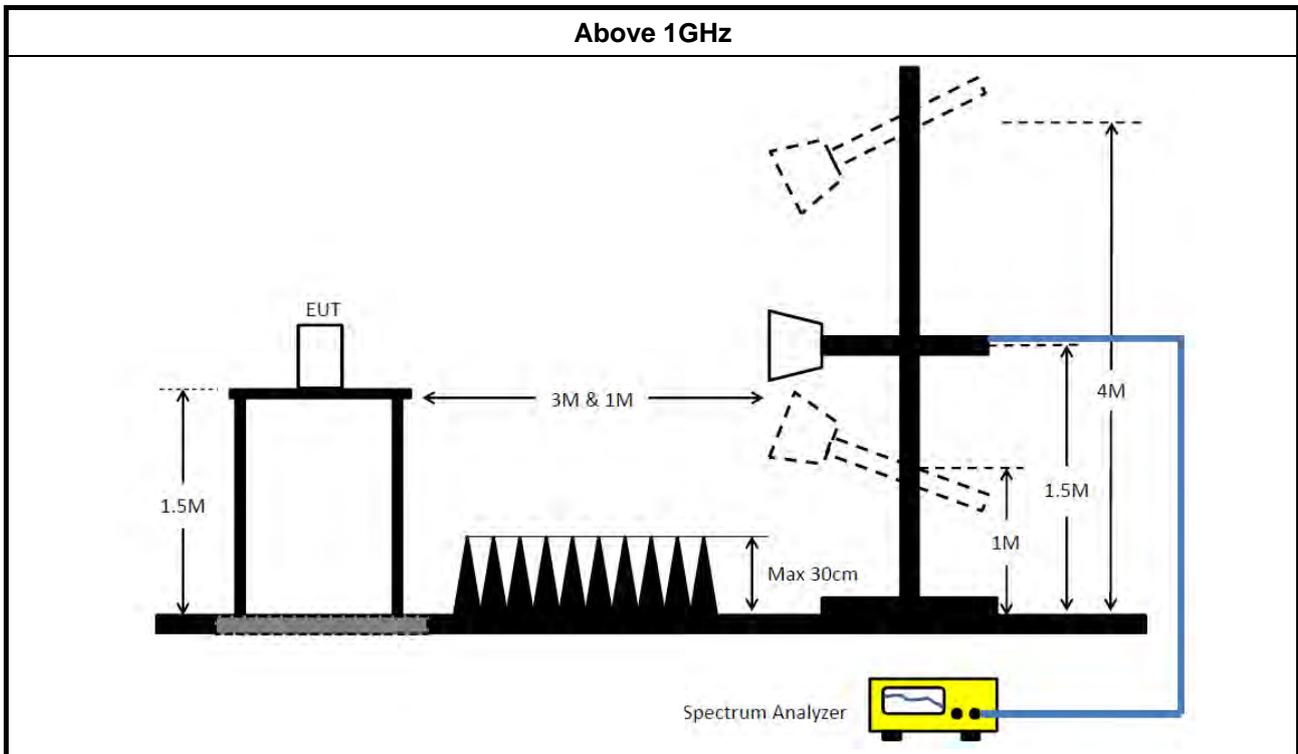


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq 98%).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW \geq 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	<ul style="list-style-type: none"> ▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	<ul style="list-style-type: none"> ▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Dec. 04, 2020	Dec. 03, 2021	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 05, 2021	May 04, 2022	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 20, 2020	Oct. 19, 2021	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2021	Mar. 17, 2022	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 28, 2021	Jan. 27, 2022	Radiation (10CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde& Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde& Schwarz	FSV30	101026	9kHz ~ 30GHz	Mar. 08, 2021	Mar. 07, 2022	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 07, 2021	May 06, 2022	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2020	Nov. 05, 2021	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. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	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)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

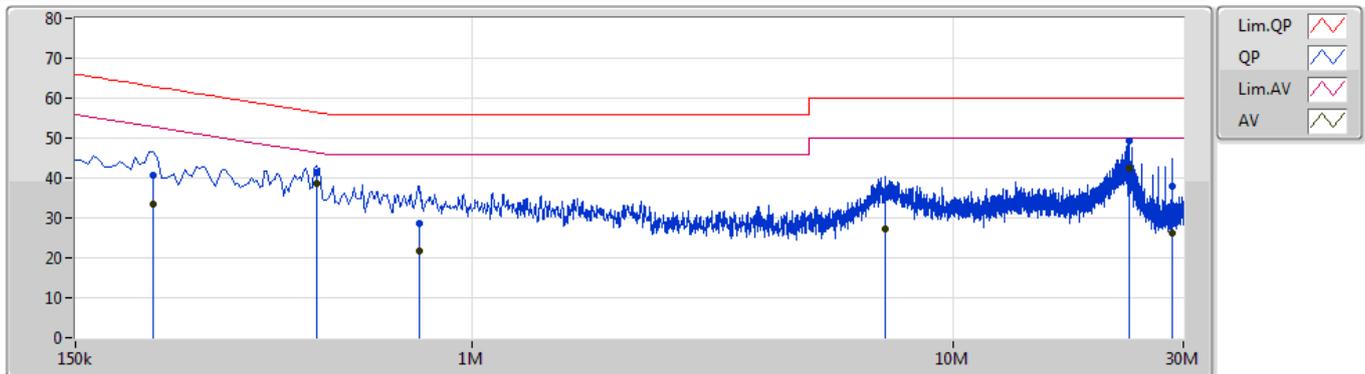
NCR means Non-Calibration required.



Summary

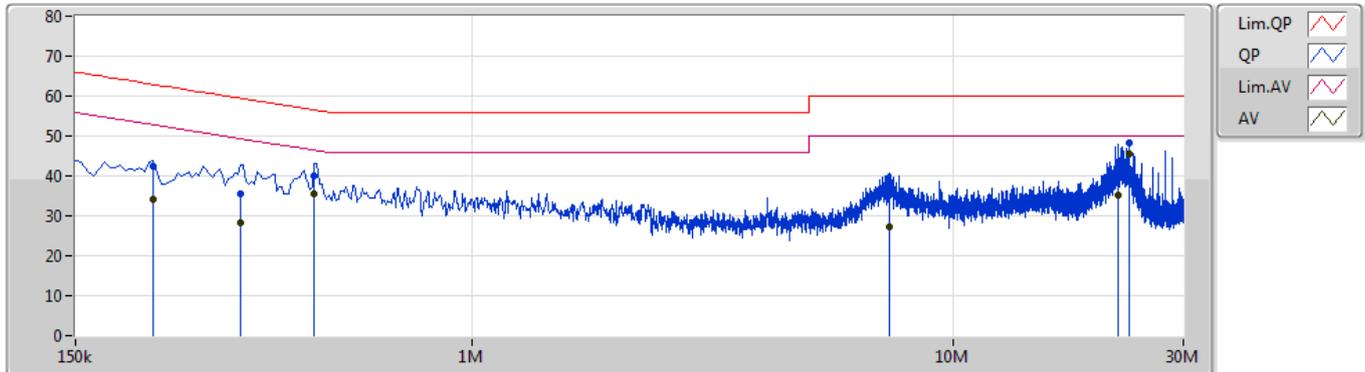
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	23.127M	45.67	50.00	-4.33	Neutral

22/07/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	217.5k	40.83	62.92	-22.09	10.29	Line	-	30.54	0.07	0.07	10.15
AV	217.5k	33.49	52.92	-19.43	10.29	Line	-	23.20	0.07	0.07	10.15
QP	474k	41.28	56.44	-15.16	10.25	Line	-	31.03	0.08	0.06	10.11
AV	474k	38.70	46.44	-7.74	10.25	Line	-	28.45	0.08	0.06	10.11
QP	775.5k	28.58	56.00	-27.42	10.26	Line	-	18.32	0.09	0.07	10.10
AV	775.5k	21.74	46.00	-24.26	10.26	Line	-	11.48	0.09	0.07	10.10
QP	7.197M	35.24	60.00	-24.76	10.52	Line	-	24.72	0.22	0.19	10.11
AV	7.197M	27.39	50.00	-22.61	10.52	Line	-	16.87	0.22	0.19	10.11
QP	23.127M	49.16	60.00	-10.84	10.97	Line	-	38.19	0.49	0.28	10.20
AV	23.127M	42.48	50.00	-7.52	10.97	Line	"Worst"	31.51	0.49	0.28	10.20
QP	28.451M	37.78	60.00	-22.22	11.09	Line	-	26.69	0.61	0.29	10.19
AV	28.451M	26.36	50.00	-23.64	11.09	Line	-	15.27	0.61	0.29	10.19

22/07/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	217.5k	42.41	62.92	-20.51	10.28	Neutral	-	32.13	0.06	0.07	10.15
AV	217.5k	34.20	52.92	-18.72	10.28	Neutral	-	23.92	0.06	0.07	10.15
QP	330k	35.36	59.44	-24.08	10.24	Neutral	-	25.12	0.06	0.06	10.12
AV	330k	28.22	49.44	-21.22	10.24	Neutral	-	17.98	0.06	0.06	10.12
QP	469.5k	39.94	56.52	-16.58	10.23	Neutral	-	29.71	0.06	0.06	10.11
AV	469.5k	35.57	46.52	-10.95	10.23	Neutral	-	25.34	0.06	0.06	10.11
QP	7.35M	35.01	60.00	-24.99	10.49	Neutral	-	24.52	0.19	0.19	10.11
AV	7.35M	27.40	50.00	-22.60	10.49	Neutral	-	16.91	0.19	0.19	10.11
QP	21.912M	43.50	60.00	-16.50	10.79	Neutral	-	32.71	0.31	0.28	10.20
AV	21.912M	35.18	50.00	-14.82	10.79	Neutral	-	24.39	0.31	0.28	10.20
QP	23.127M	48.44	60.00	-11.56	10.81	Neutral	-	37.63	0.33	0.28	10.20
AV	23.127M	45.67	50.00	-4.33	10.81	Neutral	"Worst"	34.86	0.33	0.28	10.20



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	8.05M	12.994M	13M0D2W	7.075M	12.769M
802.11g_Nss1,(6Mbps)_2TX	15.05M	16.642M	16M6D7W	14.975M	16.167M
802.11ax HEW20_Nss1,(MCS0)_2TX	15.475M	18.841M	18M8D7W	11.5M	18.641M
802.11ax HEW40_Nss1,(MCS0)_2TX	31.2M	37.431M	37M4D7W	22.6M	37.181M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.575M	12.844M	7.075M	12.994M
2437MHz	Pass	500k	7.075M	12.969M	7.575M	12.819M
2462MHz	Pass	500k	7.1M	12.969M	8.05M	12.769M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.025M	16.217M	15.025M	16.217M
2437MHz	Pass	500k	15M	16.292M	15M	16.642M
2462MHz	Pass	500k	14.975M	16.167M	15.05M	16.242M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	11.5M	18.741M	15.025M	18.641M
2437MHz	Pass	500k	12.85M	18.841M	12.475M	18.766M
2462MHz	Pass	500k	13.7M	18.766M	15.475M	18.666M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	28.8M	37.331M	31.2M	37.181M
2437MHz	Pass	500k	22.6M	37.381M	29.95M	37.231M
2452MHz	Pass	500k	26.2M	37.431M	28.8M	37.331M

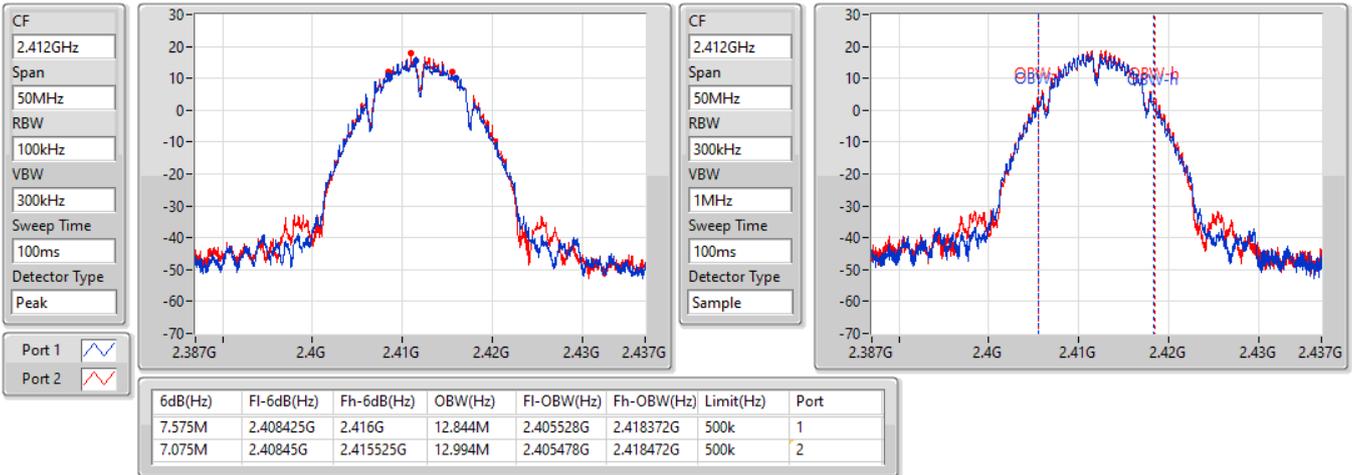
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

17/08/2021

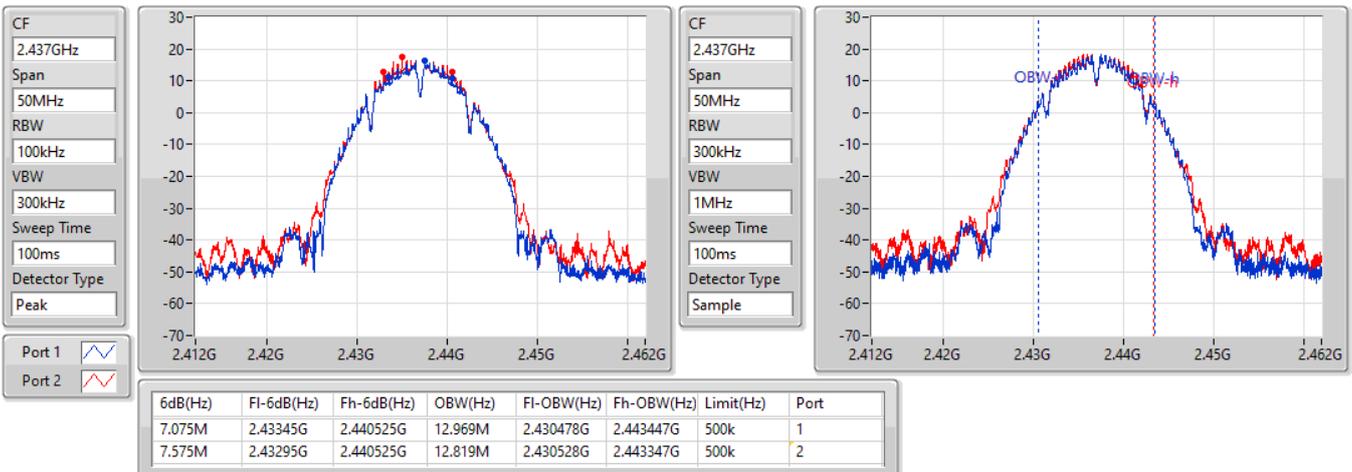


802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

17/08/2021

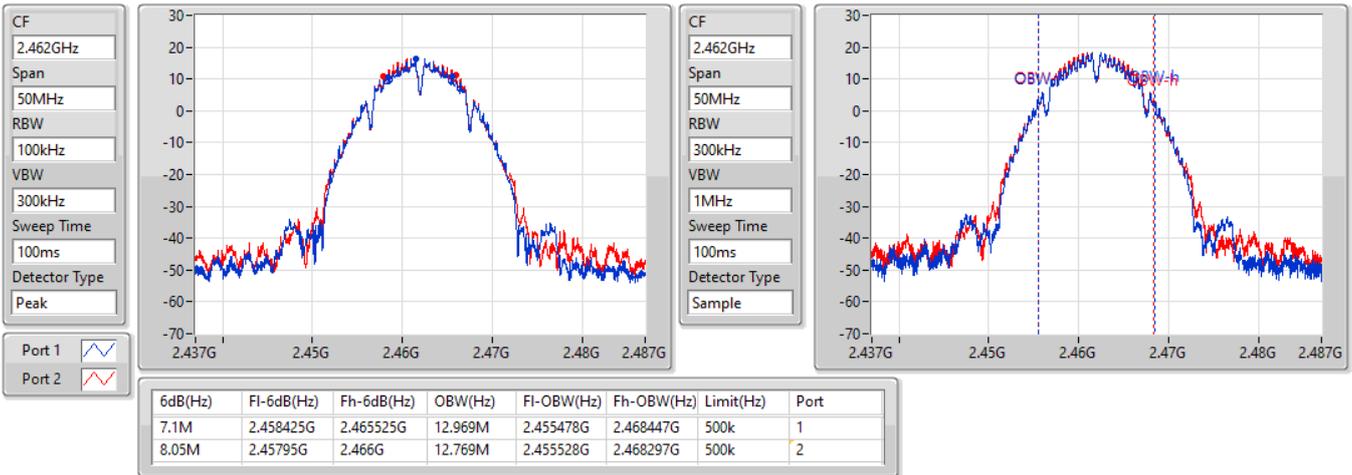


802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

17/08/2021

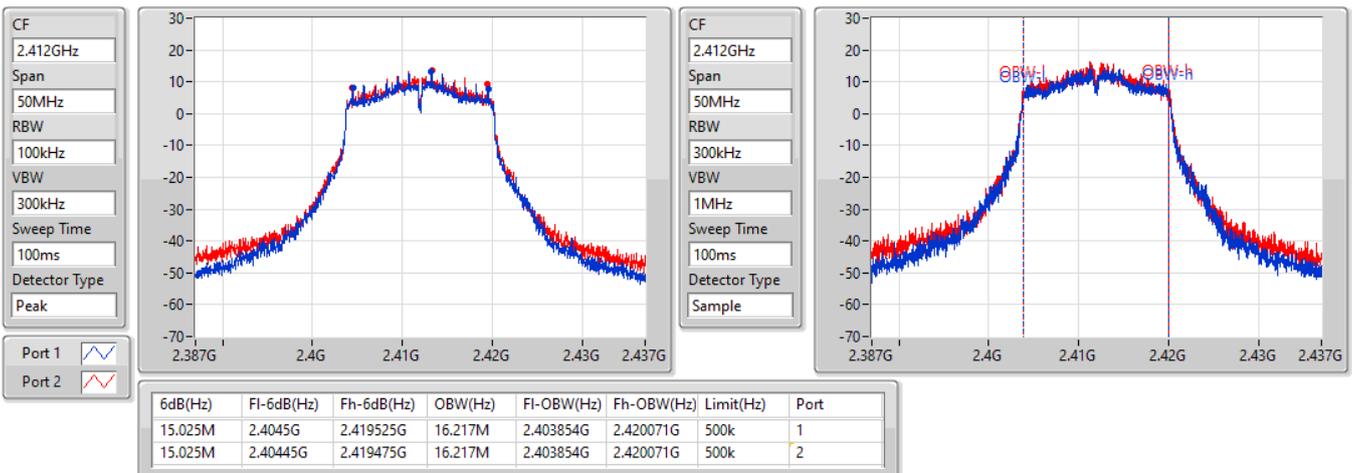


802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

17/08/2021

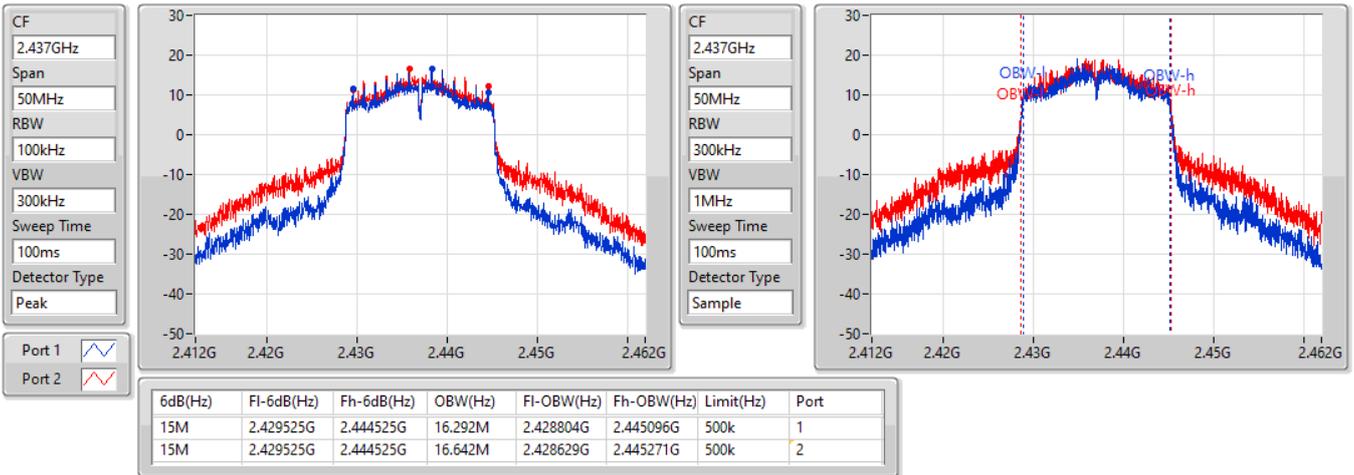


802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

17/08/2021

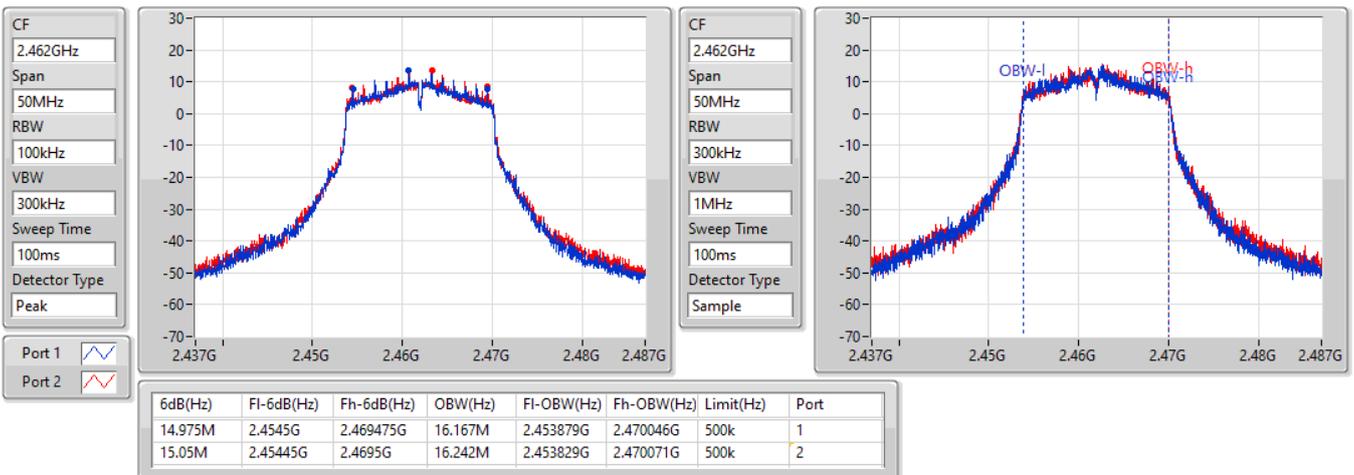


802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

17/08/2021

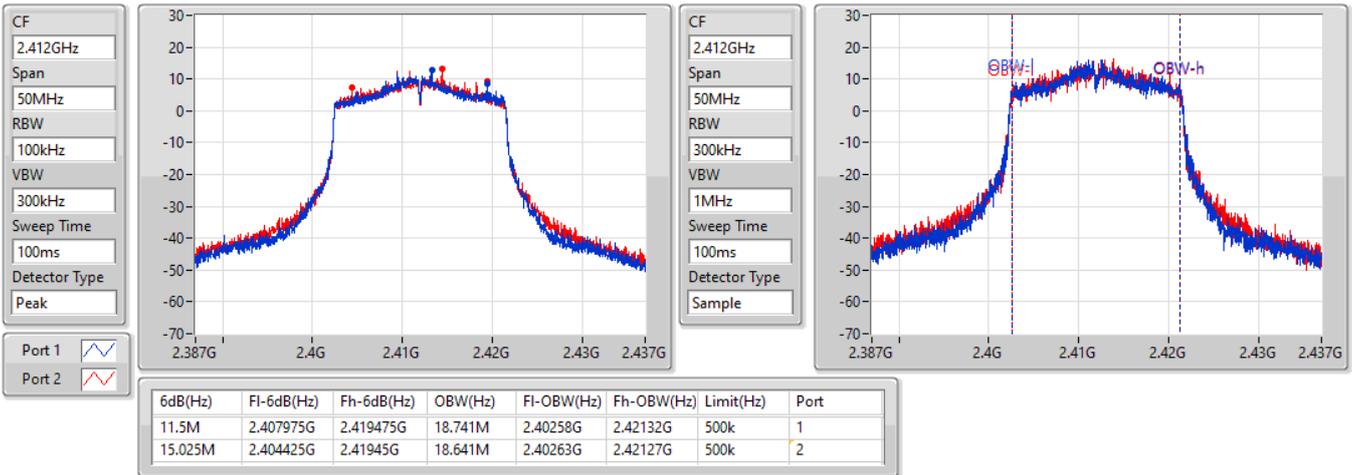


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

17/08/2021

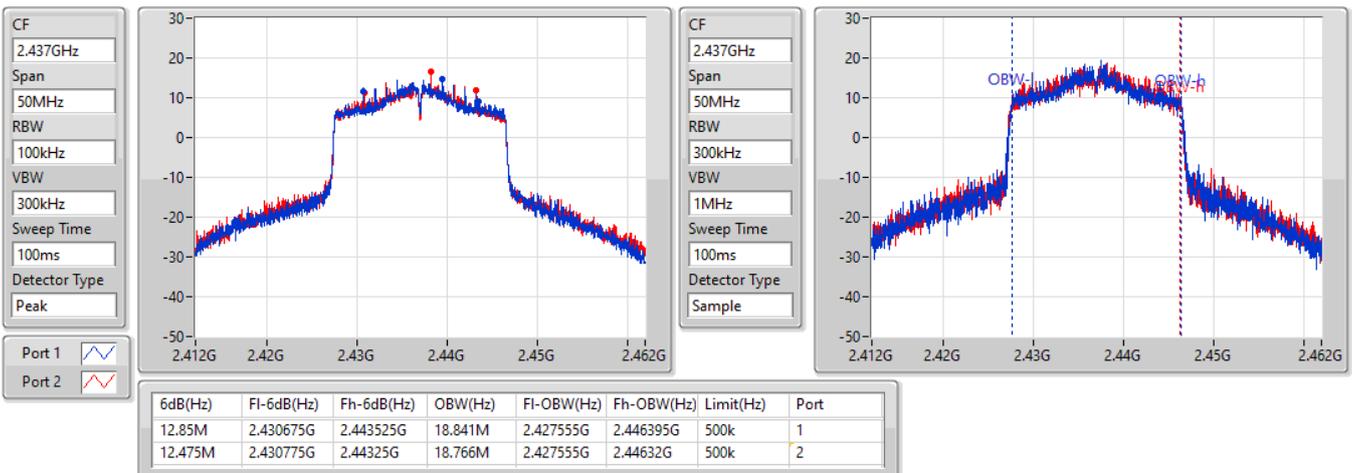


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

17/08/2021

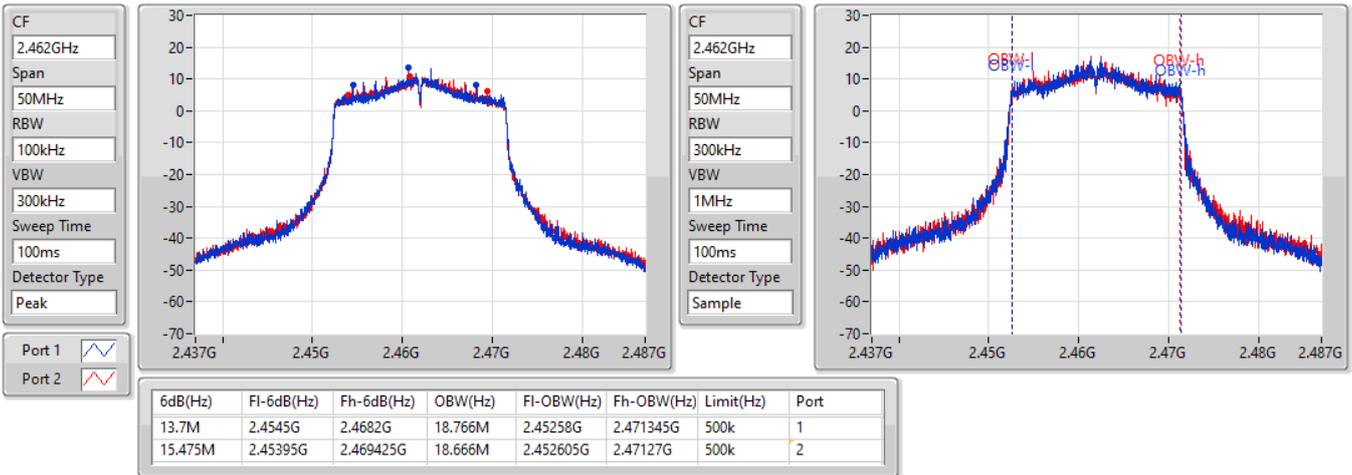


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

17/08/2021

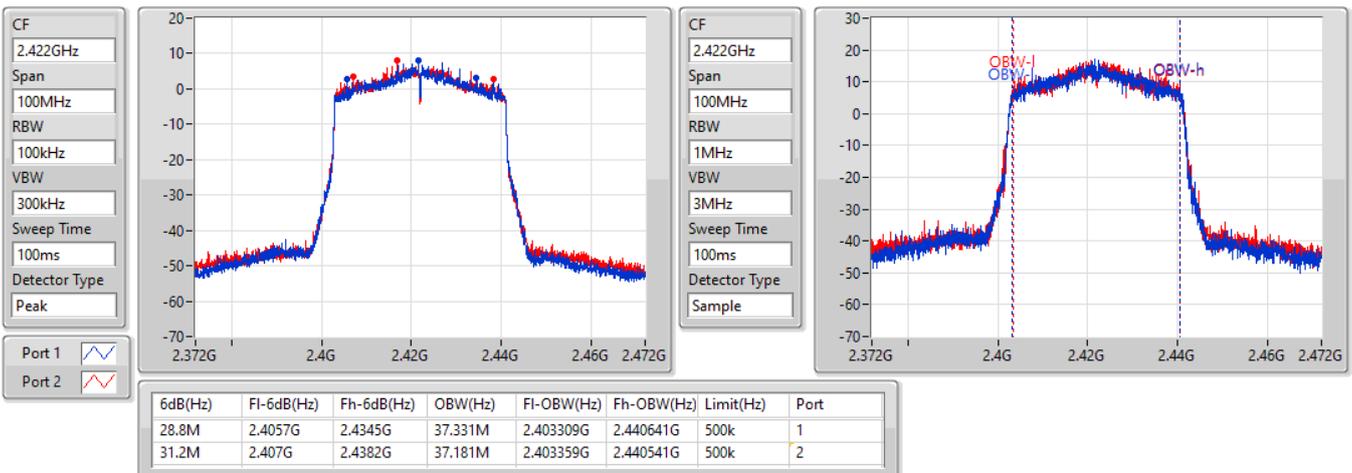


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

17/08/2021

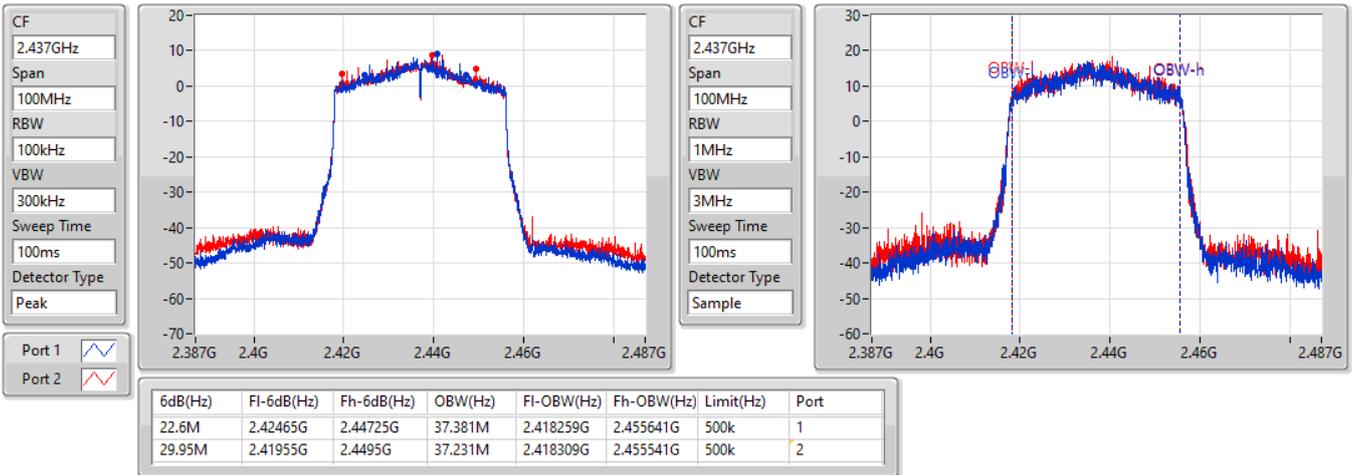


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

17/08/2021

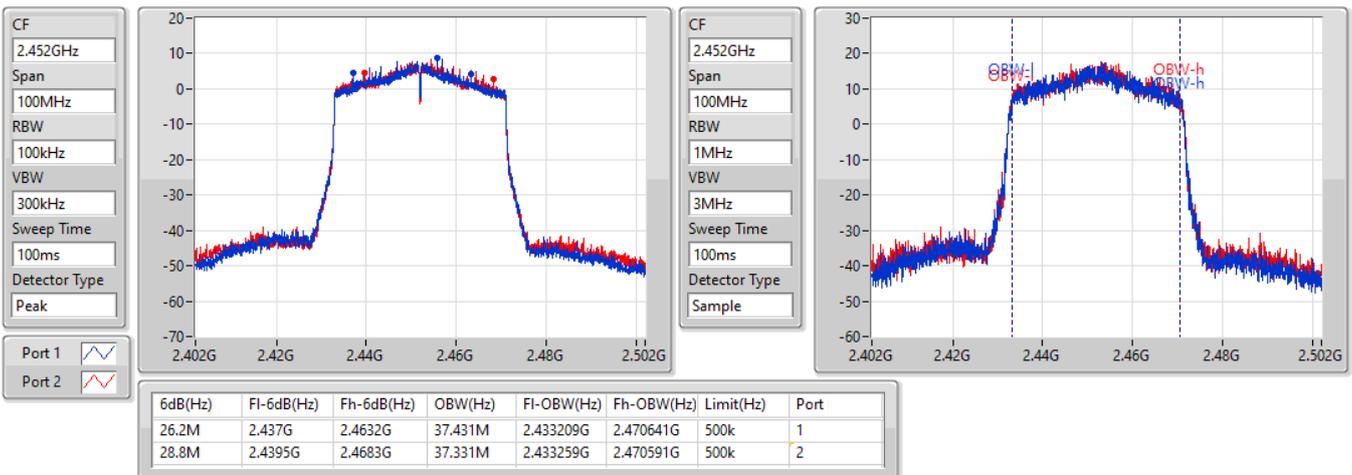


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

17/08/2021





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.92	0.77983
802.11g_Nss1,(6Mbps)_2TX	29.15	0.82224
802.11ax HEW20_Nss1,(MCS0)_2TX	28.32	0.67920
802.11ax HEW40_Nss1,(MCS0)_2TX	24.96	0.31333



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.94	25.49	26.06	28.79	30.00
2417MHz	Pass	1.94	25.37	25.98	28.70	30.00
2437MHz	Pass	1.94	25.59	26.21	28.92	30.00
2457MHz	Pass	1.94	25.44	26.01	28.74	30.00
2462MHz	Pass	1.94	25.52	26.09	28.82	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.94	22.26	23.14	25.73	30.00
2417MHz	Pass	1.94	22.92	23.25	26.10	30.00
2437MHz	Pass	1.94	25.64	26.59	29.15	30.00
2457MHz	Pass	1.94	22.86	23.01	25.95	30.00
2462MHz	Pass	1.94	22.47	22.64	25.57	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.94	22.35	22.43	25.40	30.00
2417MHz	Pass	1.94	21.98	22.91	25.48	30.00
2437MHz	Pass	1.94	25.22	25.39	28.32	30.00
2457MHz	Pass	1.94	22.65	22.84	25.76	30.00
2462MHz	Pass	1.94	22.14	22.27	25.22	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.94	20.62	21.16	23.91	30.00
2427MHz	Pass	1.94	20.88	21.02	23.96	30.00
2437MHz	Pass	1.94	21.76	22.14	24.96	30.00
2447MHz	Pass	1.94	21.55	21.88	24.73	30.00
2452MHz	Pass	1.94	21.69	21.91	24.81	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	4.52
802.11g_Nss1,(6Mbps)_2TX	1.99
802.11ax HEW20_Nss1,(MCS0)_2TX	3.56
802.11ax HEW40_Nss1,(MCS0)_2TX	-3.63

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	4.95	1.84	2.66	4.26	8.00
2437MHz	Pass	4.95	2.88	3.54	4.52	8.00
2462MHz	Pass	4.95	0.55	1.65	3.99	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.95	-4.23	-2.70	-1.42	8.00
2437MHz	Pass	4.95	-1.25	0.20	1.99	8.00
2462MHz	Pass	4.95	-4.22	-4.17	-1.23	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.95	-2.34	-3.49	-0.49	8.00
2437MHz	Pass	4.95	0.73	0.36	3.56	8.00
2462MHz	Pass	4.95	-2.83	-2.92	-0.62	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.95	-5.02	-5.58	-4.20	8.00
2437MHz	Pass	4.95	-5.05	-4.98	-3.63	8.00
2452MHz	Pass	4.95	-5.04	-5.82	-3.71	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

17/08/2021

CF
2.412GHz

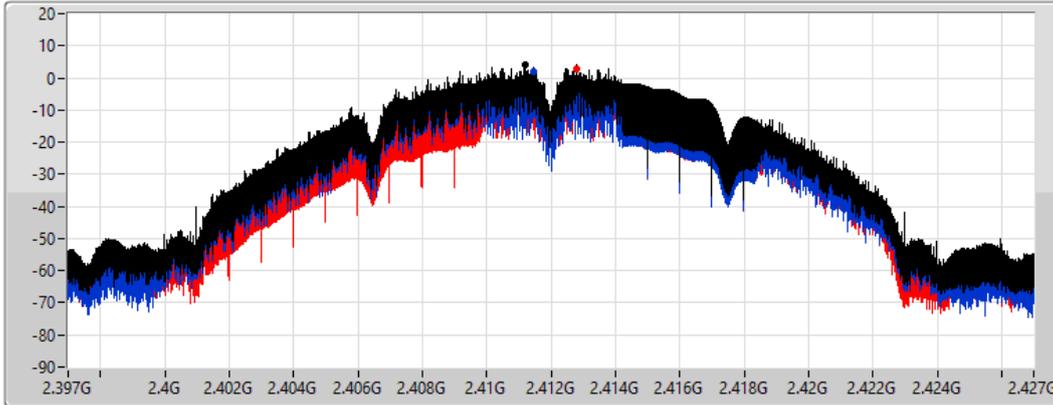
Span
30MHz

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)
4.26	4.26	1.84	2.66

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

17/08/2021

CF
2.437GHz

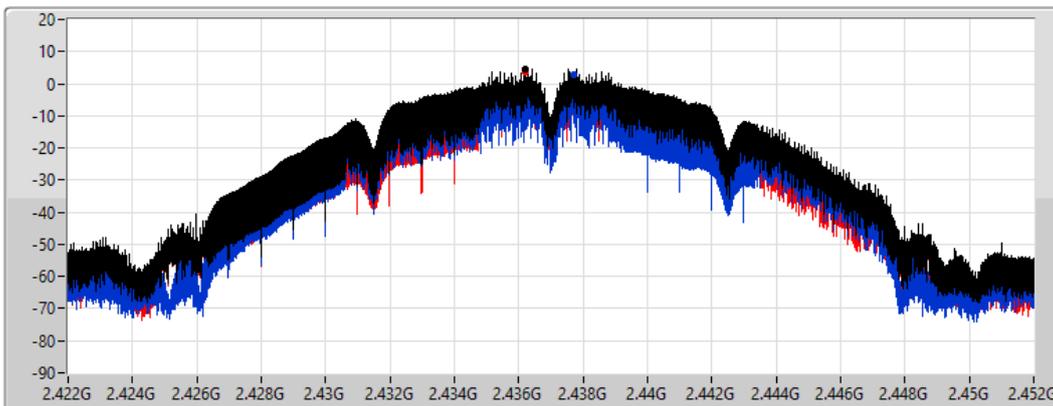
Span
30MHz

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)
4.52	4.52	2.88	3.54

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

17/08/2021

CF
2.462GHz

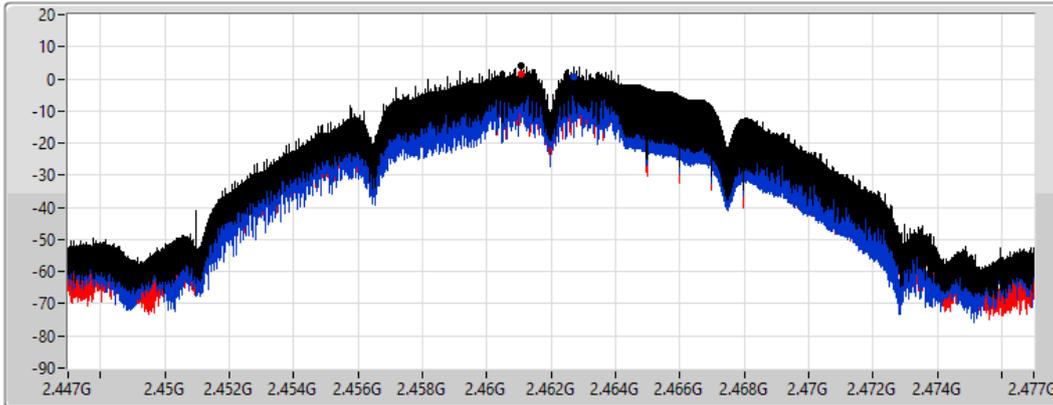
Span
30MHz

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)
3.99	3.99	0.55	1.65

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

17/08/2021

CF
2.412GHz

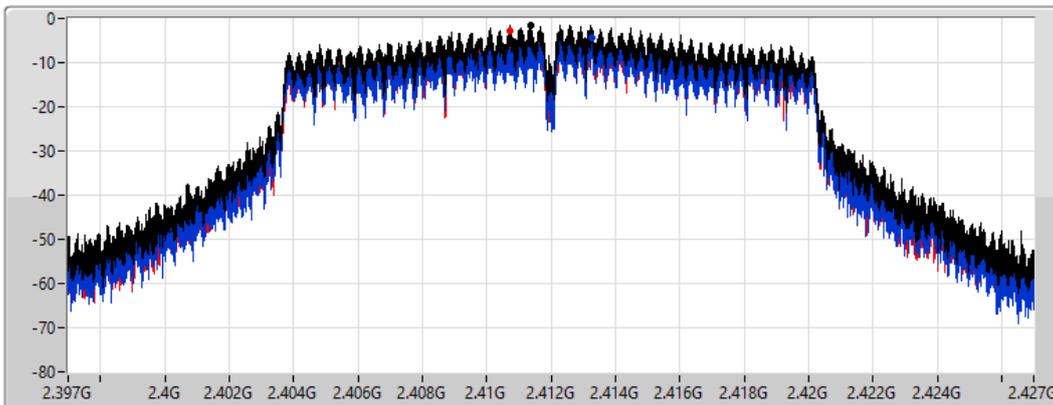
Span
30MHz

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)
-1.42	-1.42	-4.23	-2.70

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

17/08/2021

CF
2.437GHz

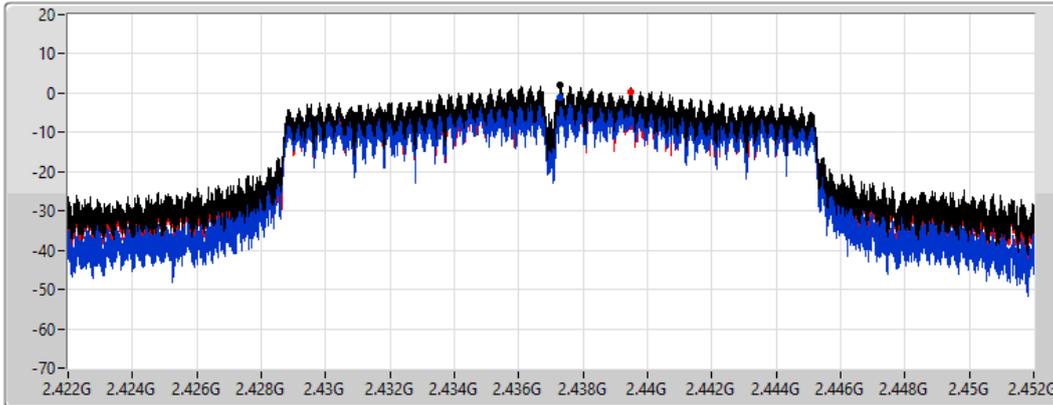
Span
30MHz

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)
1.99	1.99	-1.25	0.20

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

17/08/2021

CF
2.462GHz

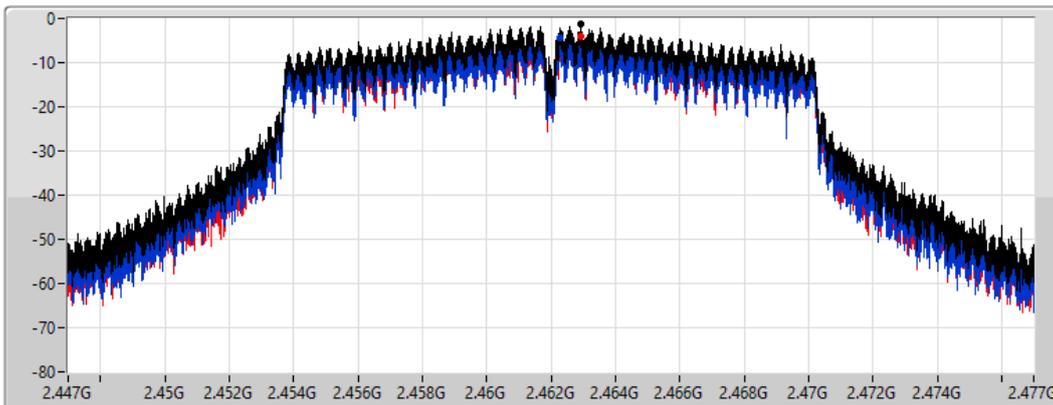
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

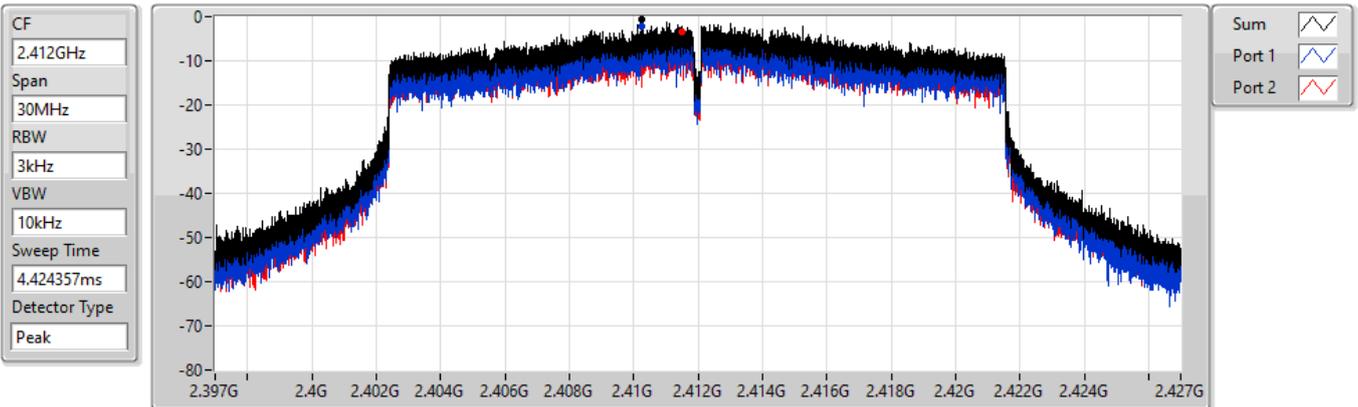
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.23	-1.23	-4.22	-4.17

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

17/08/2021



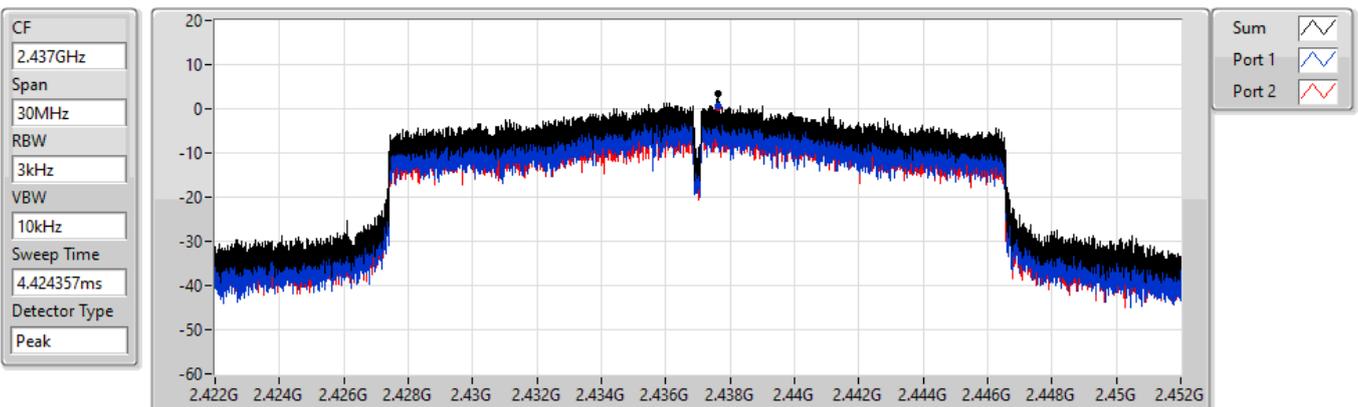
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.49	-0.49	-2.34	-3.49

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

17/08/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.56	3.56	0.73	0.36

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

17/08/2021

CF
2.462GHz

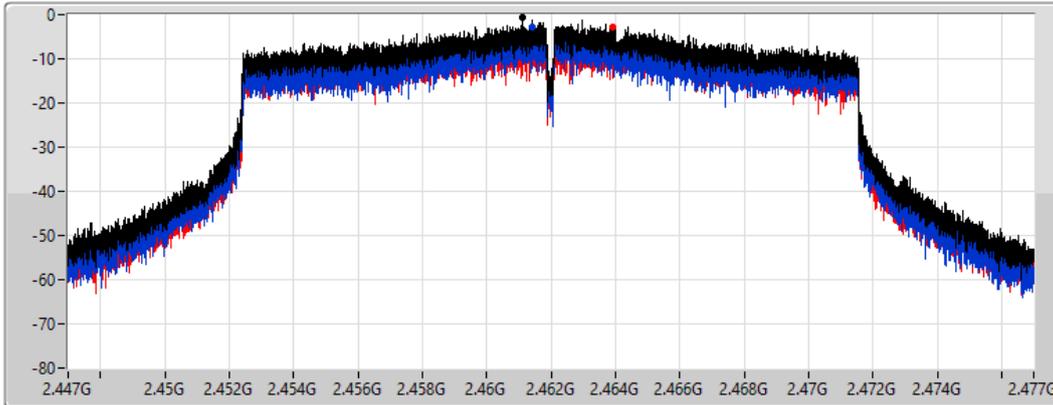
Span
30MHz

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)
-0.62	-0.62	-2.83	-2.92

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

17/08/2021

CF
2.422GHz

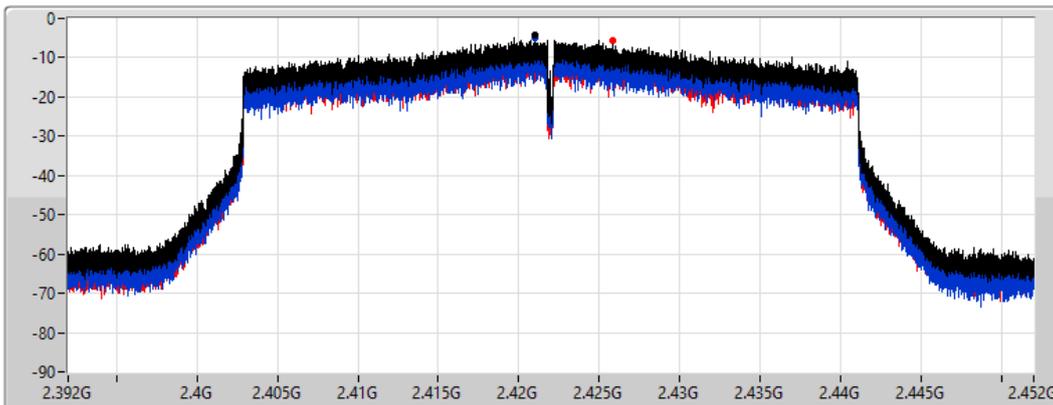
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

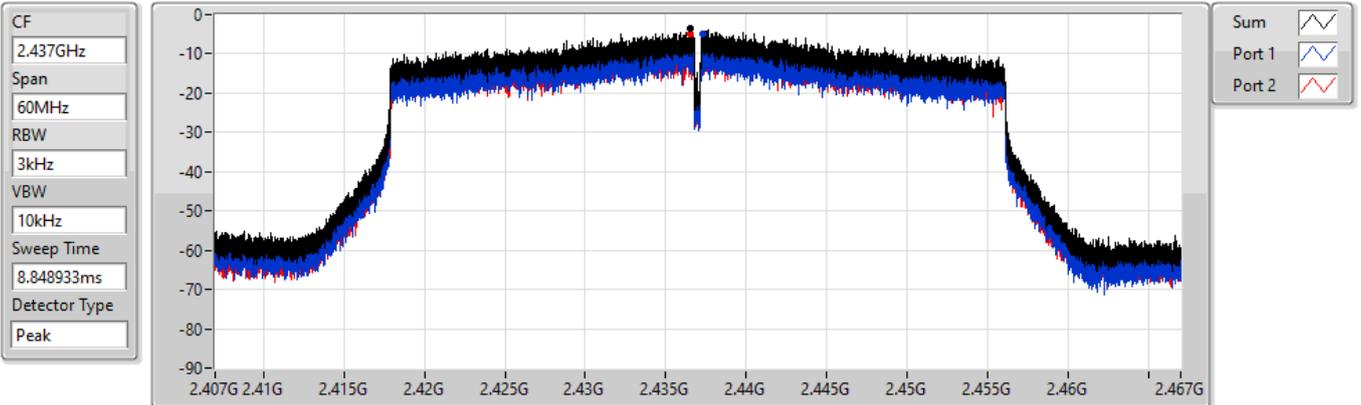
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.20	-4.20	-5.02	-5.58

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

17/08/2021



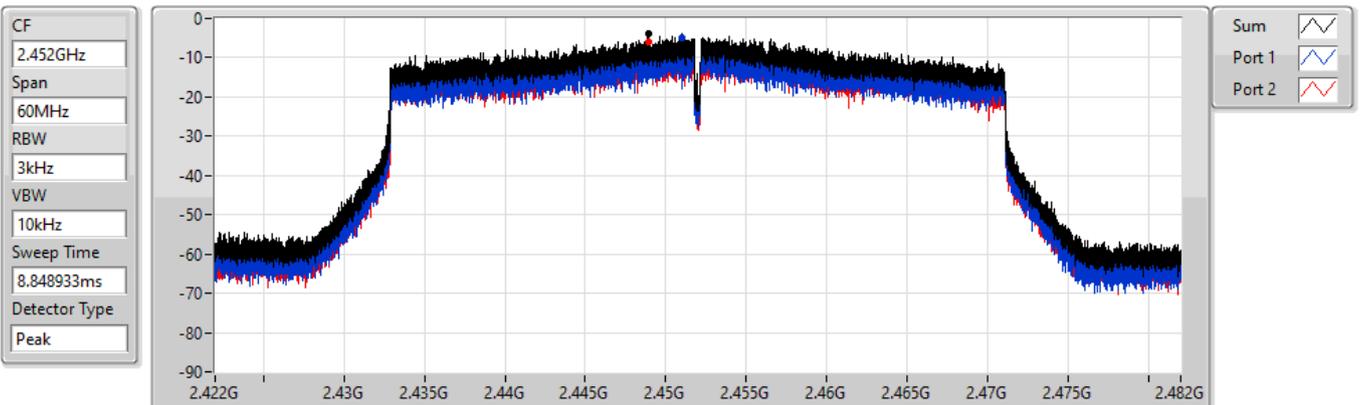
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.63	-3.63	-5.05	-4.98

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

17/08/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.71	-3.71	-5.04	-5.82



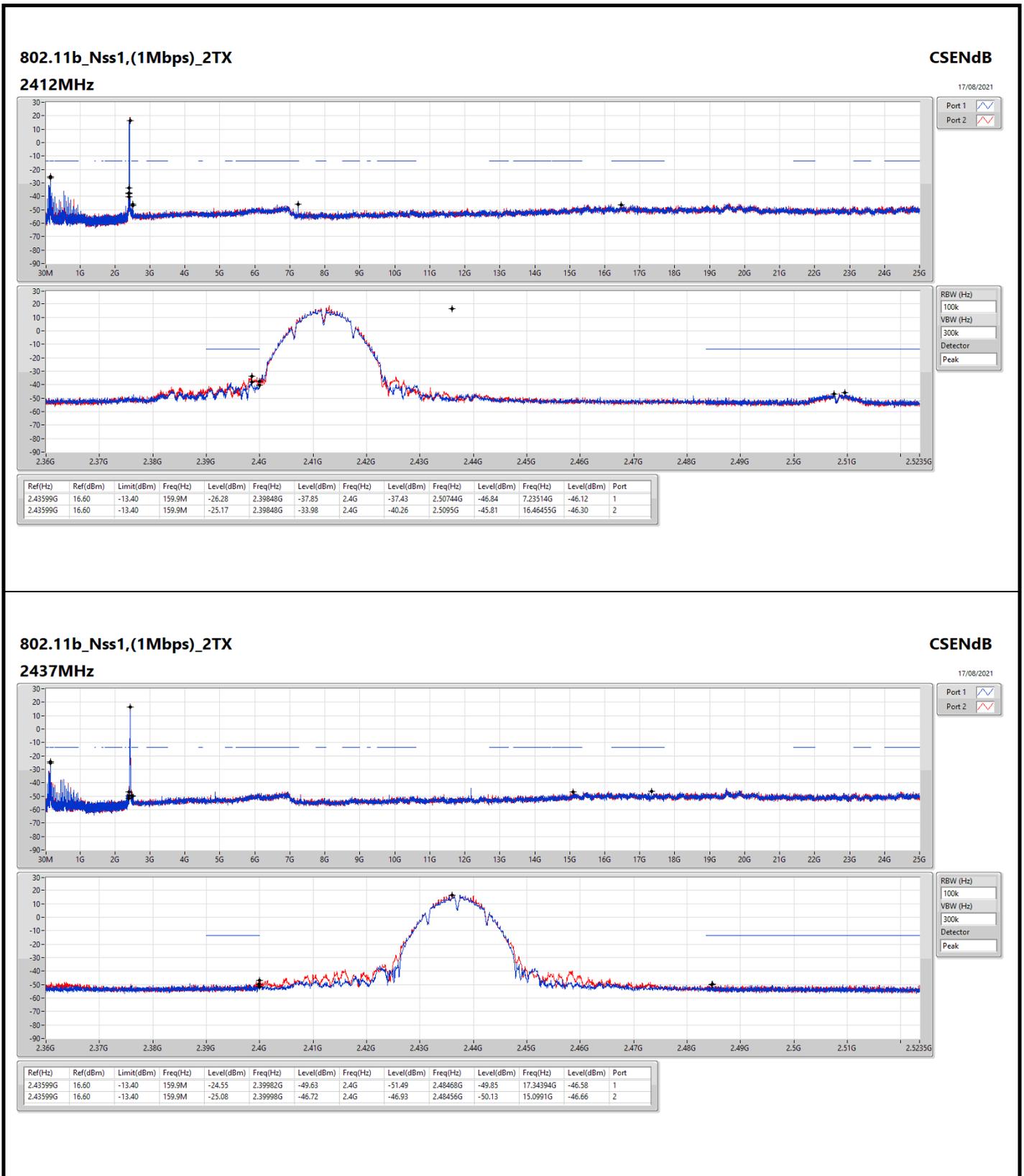
Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Port								
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43599G	16.60	-13.40	159.9M	-22.16	2.39998G	-48.42	2.4835G	-42.84	2.4835G	-42.43	16.92251G	-46.74	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.4382G	16.66	-13.34	159.9M	-21.55	2.39998G	-29.49	2.4G	-29.81	2.5077G	-48.80	16.73427G	-45.81	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	16.59	-13.41	159.9M	-22.88	2.39988G	-27.70	2.4G	-28.73	2.5052G	-49.43	16.85789G	-46.12	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44075G	9.39	-20.61	159.96M	-21.11	2.39976G	-35.38	2.4G	-36.50	2.4855G	-50.80	16.42645G	-46.91	2



Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Port								
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	16.60	-13.40	159.9M	-26.28	2.39848G	-37.85	2.4G	-37.43	2.50744G	-46.84	7.23514G	-46.12	1
2412MHz	Pass	2.43599G	16.60	-13.40	159.9M	-25.17	2.39848G	-33.98	2.4G	-40.26	2.5095G	-45.81	16.46455G	-46.30	2
2437MHz	Pass	2.43599G	16.60	-13.40	159.9M	-24.55	2.39982G	-49.63	2.4G	-51.49	2.48468G	-49.85	17.34394G	-46.58	1
2437MHz	Pass	2.43599G	16.60	-13.40	159.9M	-25.08	2.39998G	-46.72	2.4G	-46.93	2.48456G	-50.13	15.0991G	-46.66	2
2462MHz	Pass	2.43599G	16.60	-13.40	159.9M	-23.42	2.39418G	-49.71	2.4835G	-50.01	2.48862G	-47.42	24.10937G	-46.28	1
2462MHz	Pass	2.43599G	16.60	-13.40	159.9M	-22.16	2.39998G	-48.42	2.4835G	-42.84	2.4835G	-42.43	16.92251G	-46.74	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4382G	16.66	-13.34	159.9M	-21.55	2.39998G	-29.49	2.4G	-29.81	2.5077G	-48.80	16.73427G	-45.81	1
2412MHz	Pass	2.4382G	16.66	-13.34	159.9M	-22.52	2.39986G	-28.81	2.4G	-29.47	2.5098G	-48.35	15.04572G	-45.85	2
2437MHz	Pass	2.4382G	16.66	-13.34	159.9M	-23.04	2.39824G	-43.21	2.4G	-45.16	2.48418G	-47.45	24.43247G	-45.48	1
2437MHz	Pass	2.4382G	16.66	-13.34	159.9M	-22.55	2.39942G	-31.39	2.4G	-33.03	2.48356G	-37.73	23.16536G	-46.62	2
2462MHz	Pass	2.4382G	16.66	-13.34	159.9M	-23.06	2.39348G	-50.25	2.4835G	-48.36	2.4835G	-46.39	16.76236G	-46.45	1
2462MHz	Pass	2.4382G	16.66	-13.34	159.9M	-23.88	2.4G	-48.73	2.4835G	-46.17	2.48386G	-44.31	16.73708G	-45.96	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	16.59	-13.41	159.9M	-22.88	2.39988G	-27.70	2.4G	-28.73	2.5052G	-49.43	16.85789G	-46.12	1
2412MHz	Pass	2.43824G	16.59	-13.41	159.9M	-23.21	2.39968G	-27.08	2.4G	-26.78	2.50778G	-48.47	16.44488G	-45.58	2
2437MHz	Pass	2.43824G	16.59	-13.41	159.9M	-23.23	2.39782G	-39.16	2.4G	-40.33	2.48668G	-43.97	6.89799G	-46.48	1
2437MHz	Pass	2.43824G	16.59	-13.41	159.9M	-23.86	2.39968G	-37.38	2.4G	-38.50	2.4836G	-42.73	16.55726G	-46.00	2
2462MHz	Pass	2.43824G	16.59	-13.41	159.9M	-23.39	2.39046G	-49.60	2.4835G	-44.30	2.4838G	-42.91	15.26487G	-46.11	1
2462MHz	Pass	2.43824G	16.59	-13.41	159.9M	-23.77	2.4G	-48.38	2.4835G	-42.46	2.4836G	-41.68	16.26226G	-46.51	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	9.39	-20.61	159.96M	-22.04	2.39988G	-35.30	2.4G	-33.88	2.51682G	-50.14	6.99471G	-45.20	1
2422MHz	Pass	2.44075G	9.39	-20.61	159.96M	-21.11	2.39976G	-35.38	2.4G	-36.50	2.4855G	-50.80	16.42645G	-46.91	2
2437MHz	Pass	2.44075G	9.39	-20.61	159.96M	-22.92	2.39888G	-42.84	2.4G	-45.45	2.48674G	-48.83	15.18684G	-46.16	1
2437MHz	Pass	2.44075G	9.39	-20.61	159.96M	-25.37	2.39848G	-40.08	2.4G	-43.81	2.4895G	-45.05	17.08272G	-46.83	2
2452MHz	Pass	2.44075G	9.39	-20.61	159.96M	-21.27	2.39728G	-48.12	2.4835G	-47.23	2.48358G	-44.12	17.08552G	-46.23	1
2452MHz	Pass	2.44075G	9.39	-20.61	159.96M	-22.18	2.39952G	-45.15	2.4835G	-45.20	2.48466G	-42.09	6.86009G	-45.81	2



802.11b_Nss1,(1Mbps)_2TX

2437MHz

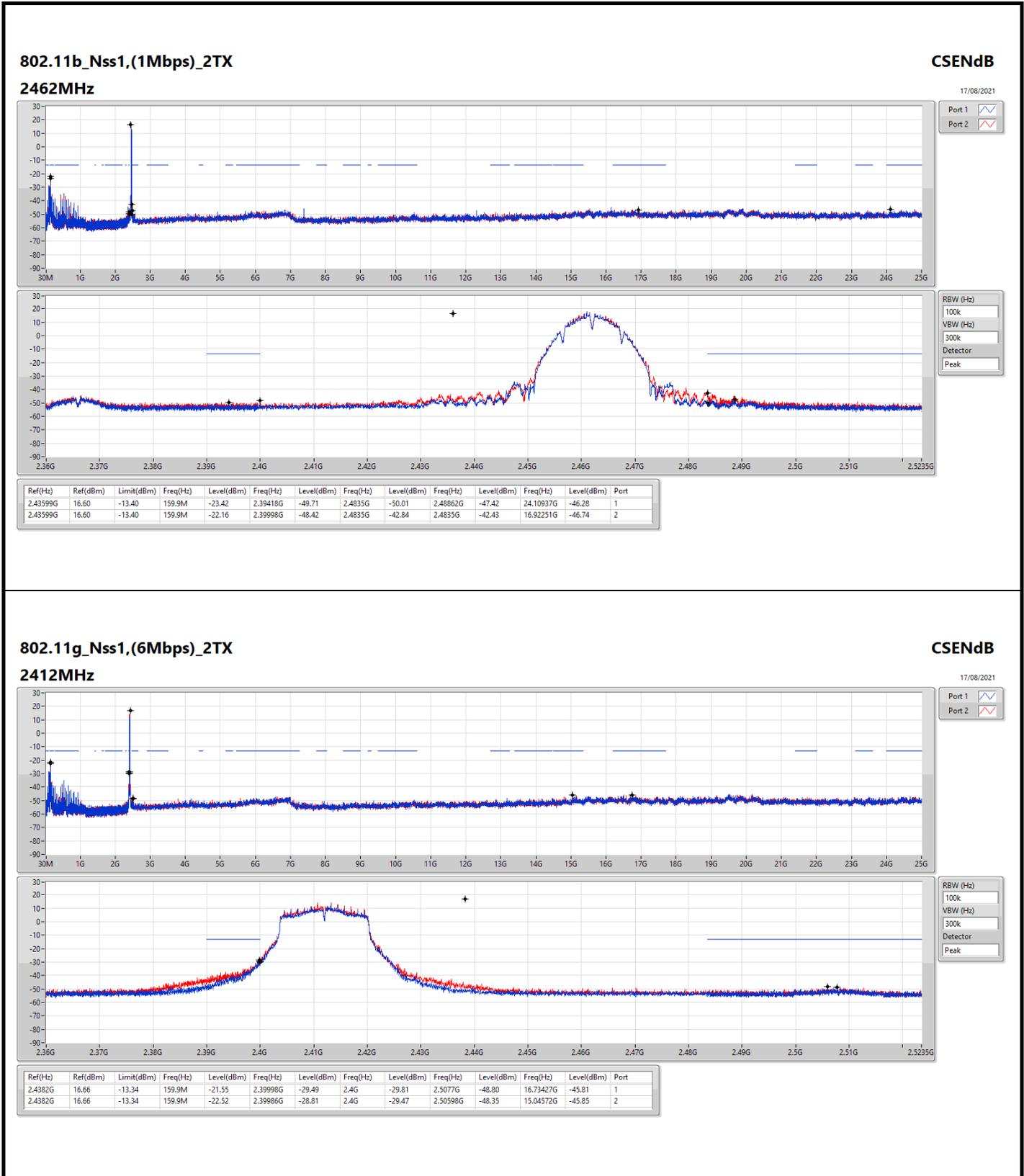
CSENdB

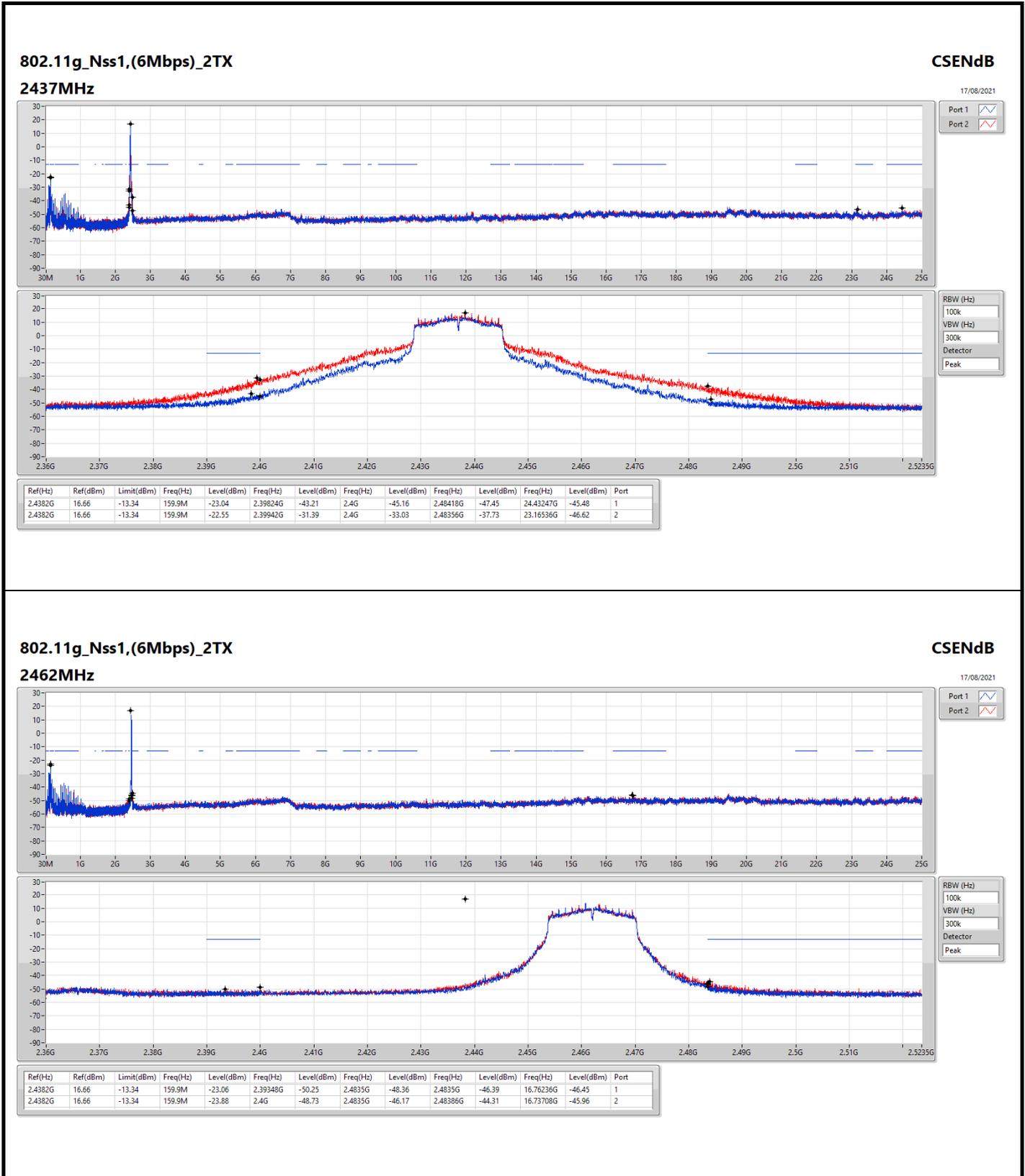
17/08/2021

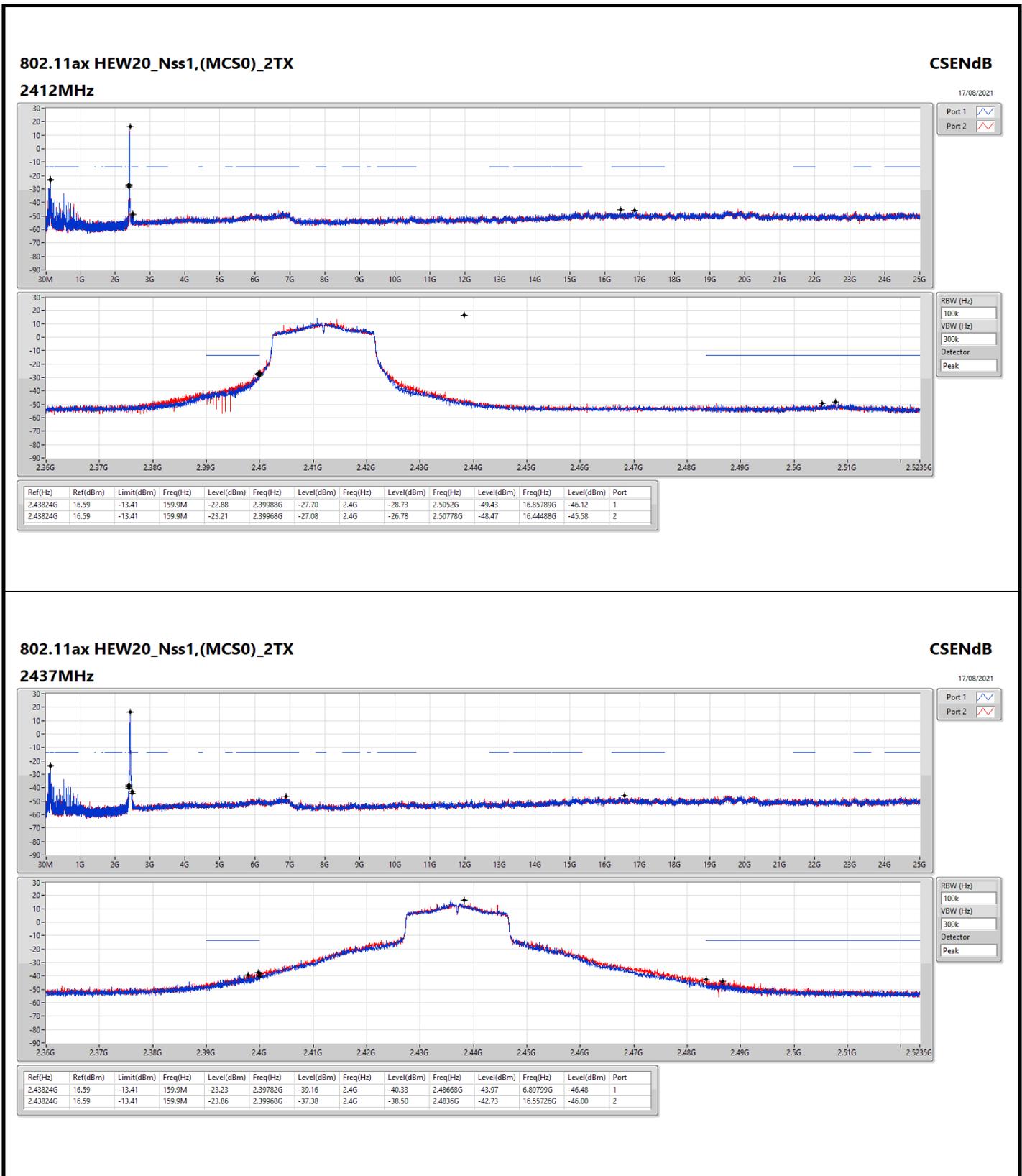
RBW (Hz)

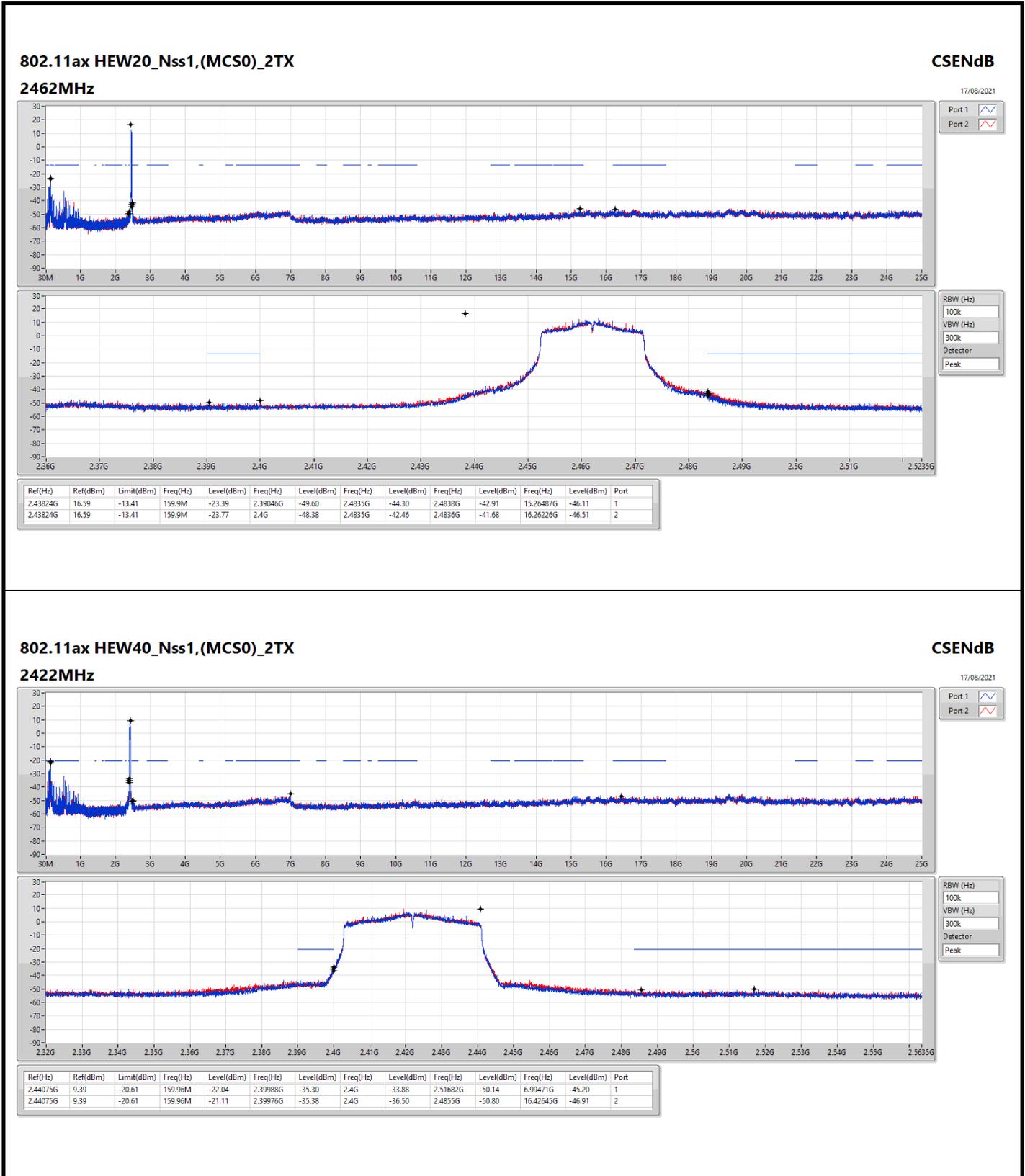
VBW (Hz)

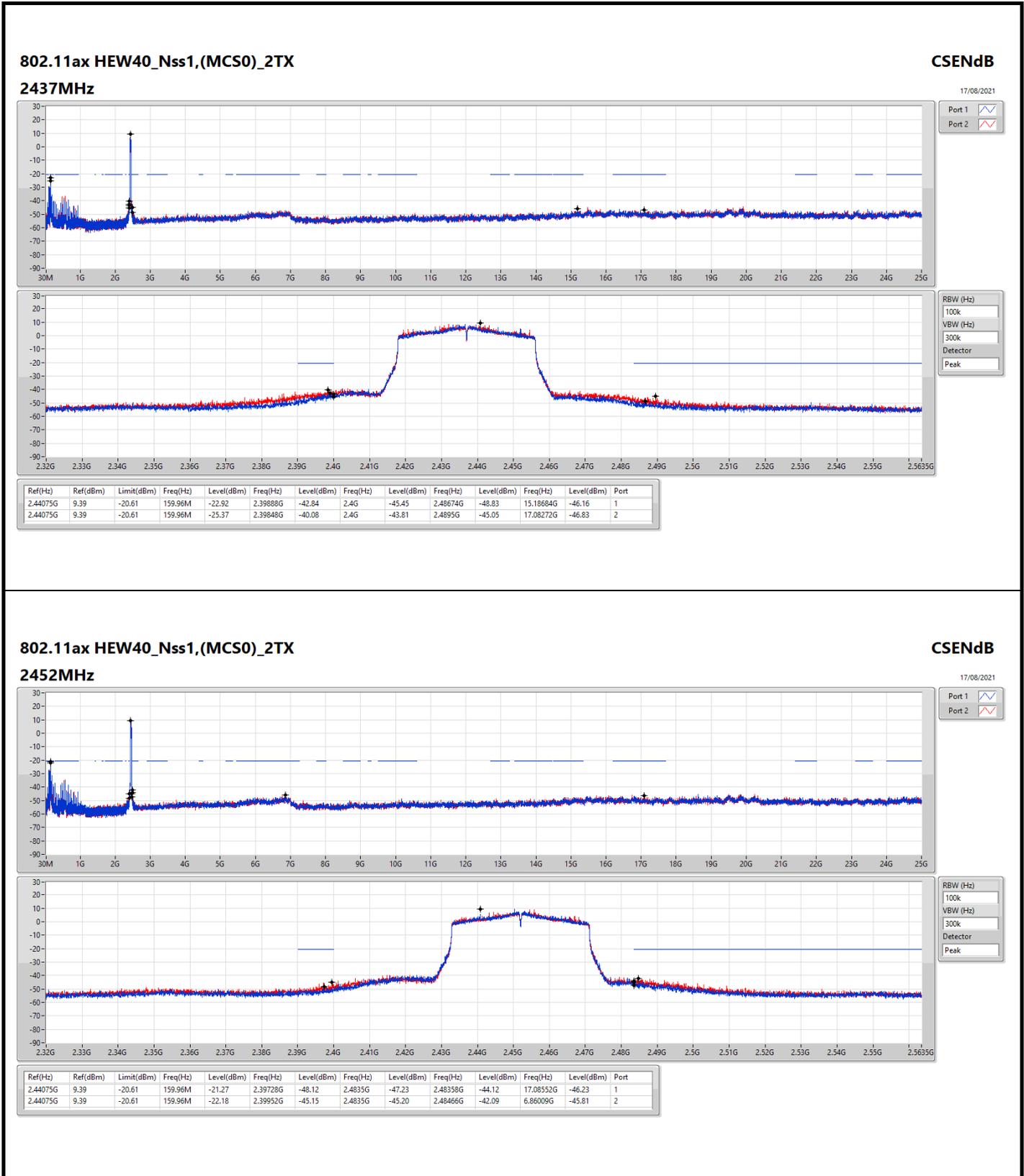
Detector











802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz

CSENdB

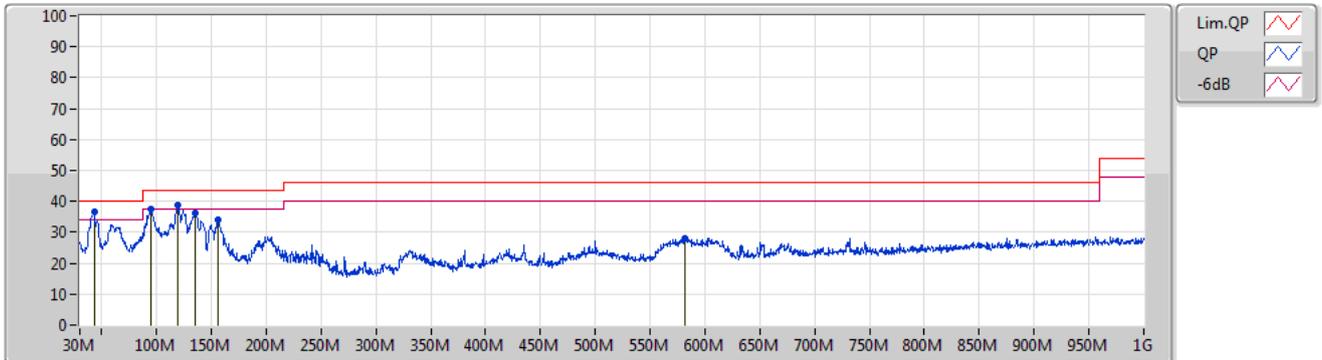
17/08/2021



Summary

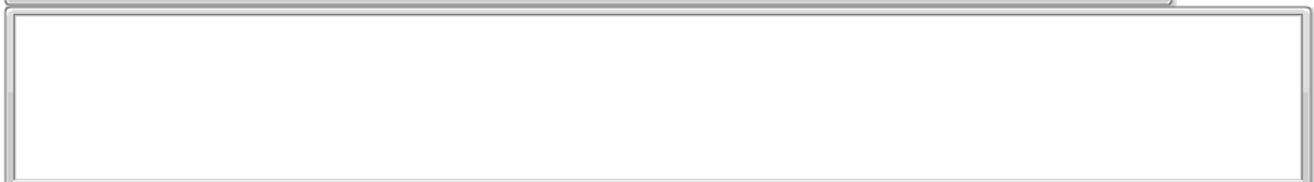
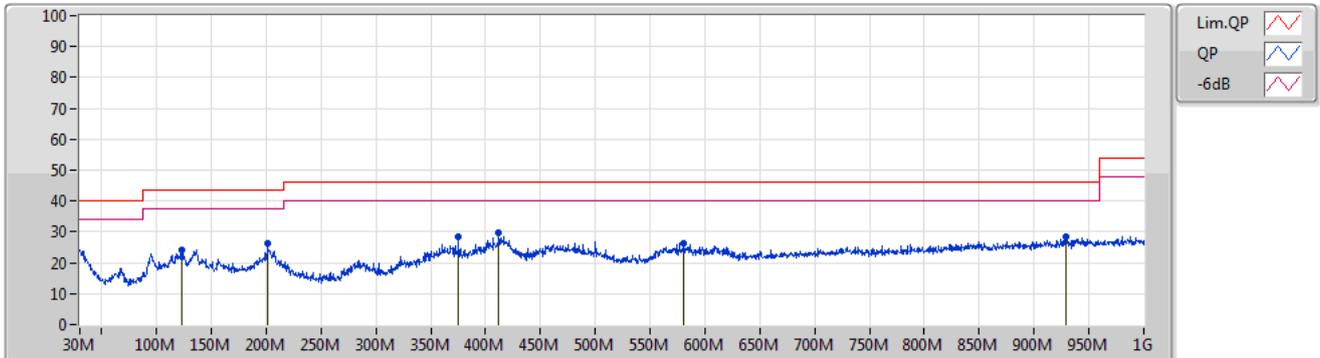
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	43.1M	36.59	40.00	-3.41	Vertical

23/07/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	43.1M	36.59	40.00	-3.41	-10.08	3	Vertical	283	1.00	"Worst"	46.67	16.52	1.36	27.96
PK	94.51M	37.38	43.50	-6.12	-9.69	3	Vertical	18	4.00	-	47.07	15.85	2.29	27.83
PK	119.73M	38.61	43.50	-4.89	-6.61	3	Vertical	304	1.00	-	45.22	18.33	2.70	27.64
PK	135.25M	36.24	43.50	-7.26	-7.13	3	Vertical	183	1.00	-	43.37	17.50	2.93	27.56
PK	156.1M	34.02	43.50	-9.48	-8.19	3	Vertical	252	3.00	-	42.21	16.17	3.16	27.52
PK	581.45M	28.01	46.00	-17.99	-3.16	3	Vertical	329	1.00	-	31.17	19.41	5.29	27.86

23/07/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	123.12M	24.11	43.50	-19.39	-6.67	3	Horizontal	328	3.00	-	30.78	18.20	2.75	27.62
PK	201.21M	26.15	43.50	-17.35	-7.20	3	Horizontal	153	1.00	-	33.35	16.36	3.01	26.57
PK	374.84M	28.60	46.00	-17.40	-7.38	3	Horizontal	297	2.00	-	35.98	15.54	4.20	27.12
PK	411.7M	29.95	46.00	-16.05	-6.63	3	Horizontal	254	3.00	"Worst"	36.58	16.42	4.37	27.42
PK	580.48M	26.29	46.00	-19.71	-3.22	3	Horizontal	22	4.00	-	29.51	19.37	5.28	27.87
PK	929.19M	28.42	46.00	-17.58	2.28	3	Horizontal	73	1.00	-	26.14	21.91	6.83	26.46

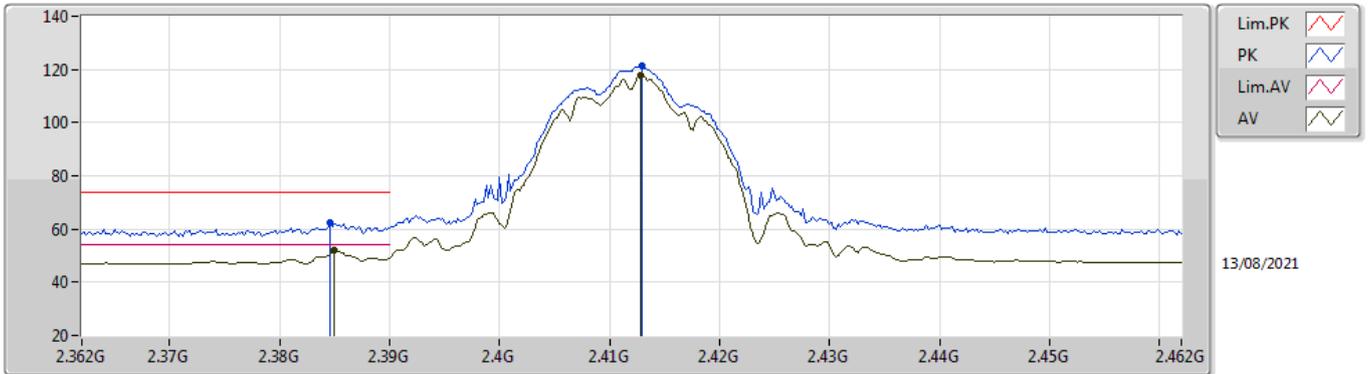


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.86	54.00	-0.14	3	Vertical	255	1.00	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

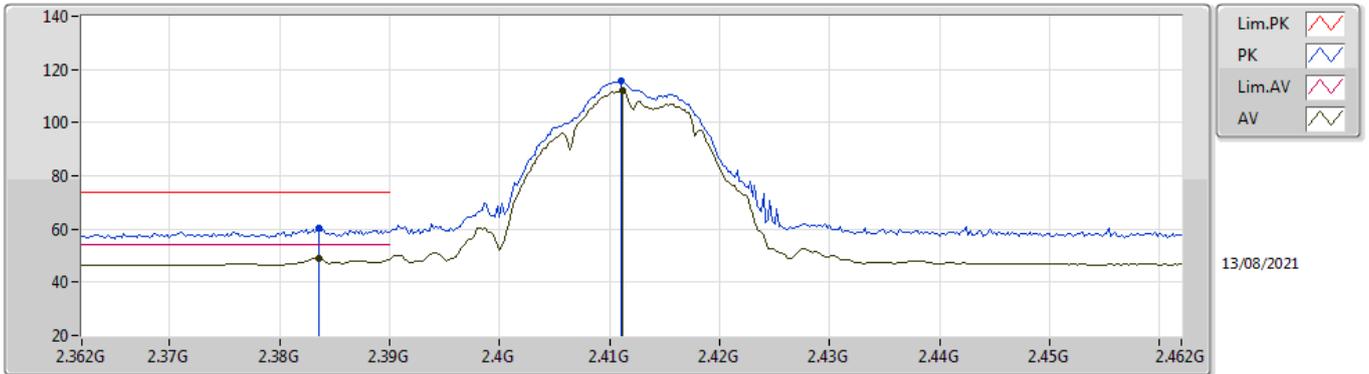


EUT_V_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3846G	62.32	74.00	-11.68	31.54	3	Vertical	232	1.01	-	28.37	2.41	-
AV	2.385G	52.19	54.00	-1.81	21.41	3	Vertical	232	1.01	-	28.37	2.41	-
PK	2.413G	121.52	Inf	-Inf	90.71	3	Vertical	232	1.01	-	28.40	2.41	-
AV	2.4128G	117.64	Inf	-Inf	86.83	3	Vertical	232	1.01	-	28.40	2.41	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

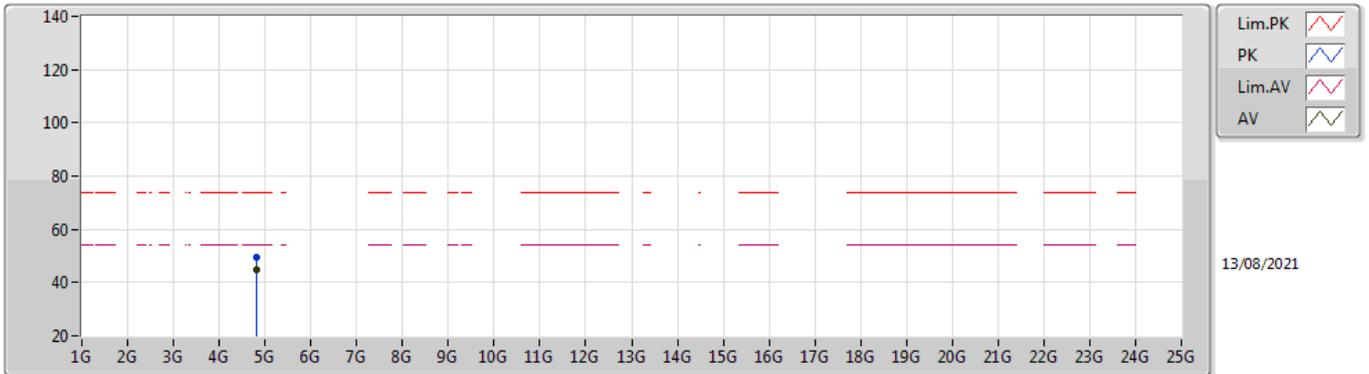


EUT_V_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3836G	60.18	74.00	-13.82	29.40	3	Horizontal	14	1.37	-	28.37	2.41	-
AV	2.3836G	49.08	54.00	-4.92	18.30	3	Horizontal	14	1.37	-	28.37	2.41	-
PK	2.411G	115.76	Inf	-Inf	84.95	3	Horizontal	14	1.37	-	28.40	2.41	-
AV	2.4112G	111.83	Inf	-Inf	81.02	3	Horizontal	14	1.37	-	28.40	2.41	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

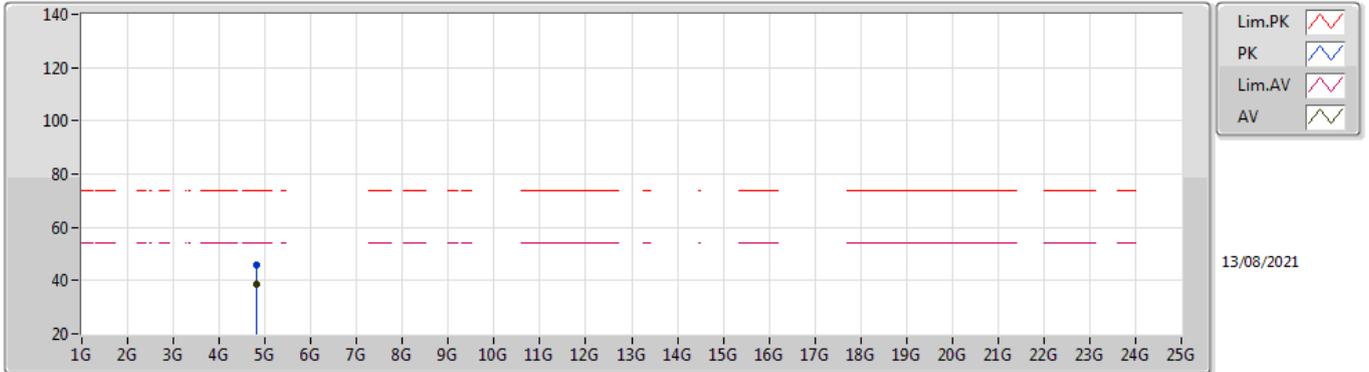


EUT Y_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8241G	49.35	74.00	-24.65	44.07	3	Vertical	82	2.54	-	32.80	4.70	32.22
AV	4.8239G	44.62	54.00	-9.38	39.34	3	Vertical	82	2.54	-	32.80	4.70	32.22

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

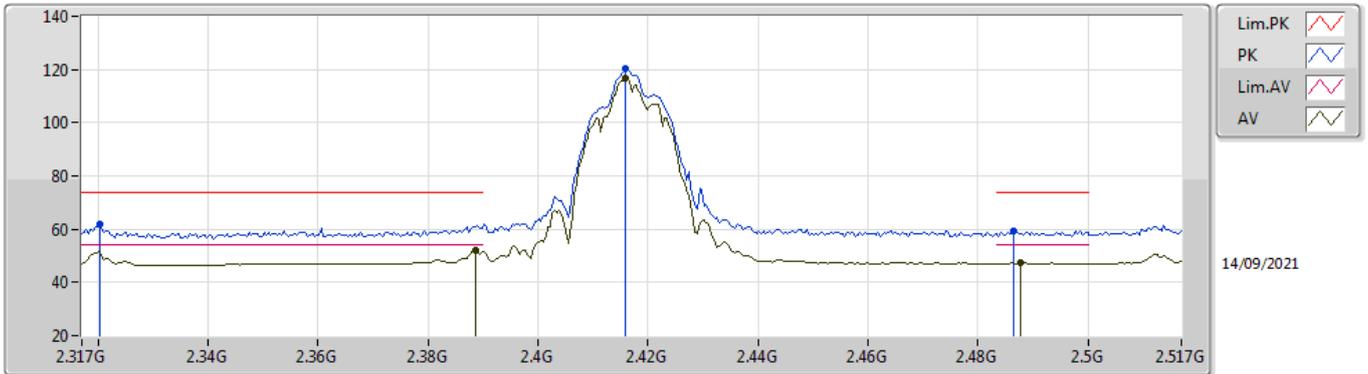


EUT Y_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82396G	46.07	74.00	-27.93	40.79	3	Horizontal	1	2.29	-	32.80	4.70	32.22
AV	4.82396G	38.57	54.00	-15.43	33.29	3	Horizontal	1	2.29	-	32.80	4.70	32.22

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

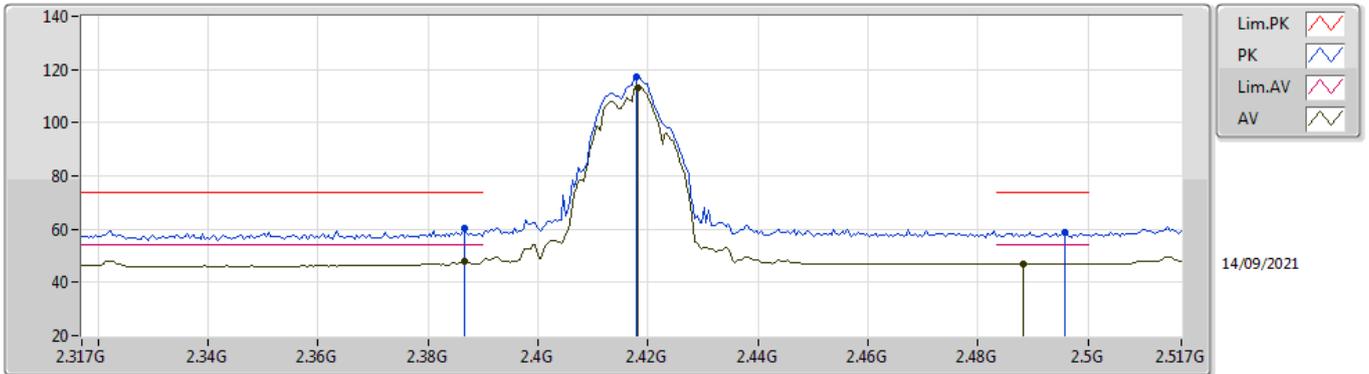


EUT_V_2TX
Setting 26
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3202G	61.81	74.00	-12.19	31.19	3	Vertical	309	1.61	-	28.18	2.44	-
AV	2.3886G	52.04	54.00	-1.96	21.25	3	Vertical	309	1.61	-	28.38	2.41	-
PK	2.4158G	120.23	Inf	-Inf	89.42	3	Vertical	309	1.61	-	28.40	2.41	-
AV	2.4158G	116.67	Inf	-Inf	85.86	3	Vertical	309	1.61	-	28.40	2.41	-
PK	2.4866G	59.15	74.00	-14.85	28.16	3	Vertical	309	1.61	-	28.55	2.44	-
AV	2.4878G	47.28	54.00	-6.72	16.29	3	Vertical	309	1.61	-	28.55	2.44	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

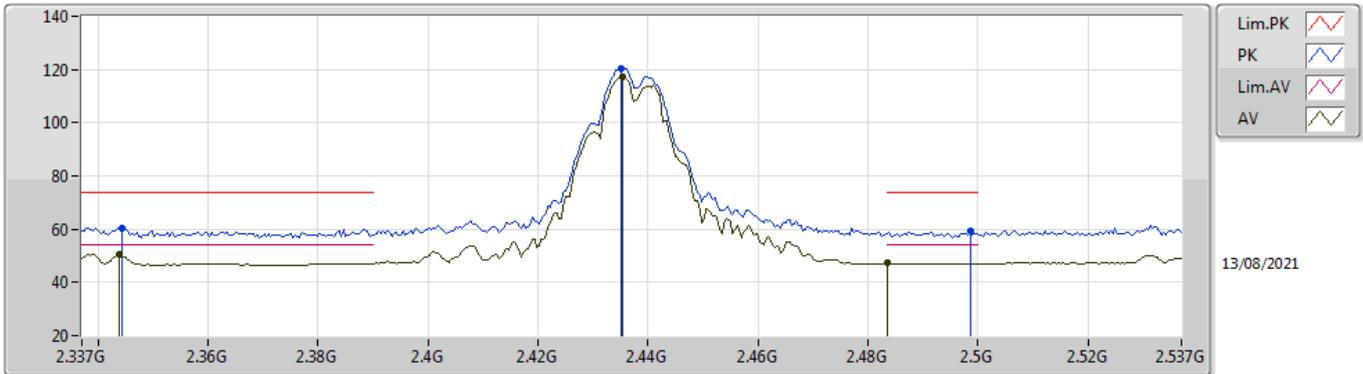


EUT_V_2TX
Setting 26
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	60.43	74.00	-13.57	29.65	3	Horizontal	13	1.14	-	28.37	2.41	-
AV	2.3866G	47.81	54.00	-6.19	17.03	3	Horizontal	13	1.14	-	28.37	2.41	-
PK	2.4178G	117.20	Inf	-Inf	86.39	3	Horizontal	13	1.14	-	28.40	2.41	-
AV	2.4182G	113.29	Inf	-Inf	82.48	3	Horizontal	13	1.14	-	28.40	2.41	-
PK	2.4958G	58.70	74.00	-15.30	27.67	3	Horizontal	13	1.14	-	28.58	2.45	-
AV	2.4882G	47.02	54.00	-6.98	16.03	3	Horizontal	13	1.14	-	28.55	2.44	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

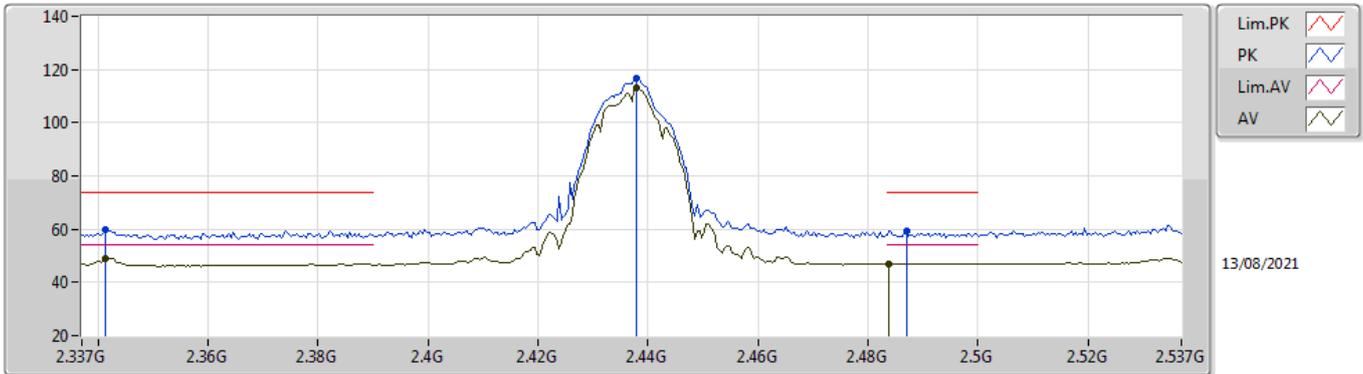


EUT V_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3442G	60.50	74.00	-13.50	29.79	3	Vertical	234	1.80	-	28.28	2.43	-
AV	2.3438G	50.70	54.00	-3.30	19.99	3	Vertical	234	1.80	-	28.28	2.43	-
PK	2.435G	120.56	Inf	-Inf	89.74	3	Vertical	234	1.80	-	28.40	2.42	-
AV	2.4354G	117.37	Inf	-Inf	86.55	3	Vertical	234	1.80	-	28.40	2.42	-
PK	2.4986G	59.31	74.00	-14.69	28.27	3	Vertical	234	1.80	-	28.59	2.45	-
AV	2.4835G	47.19	54.00	-6.81	16.22	3	Vertical	234	1.80	-	28.53	2.44	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

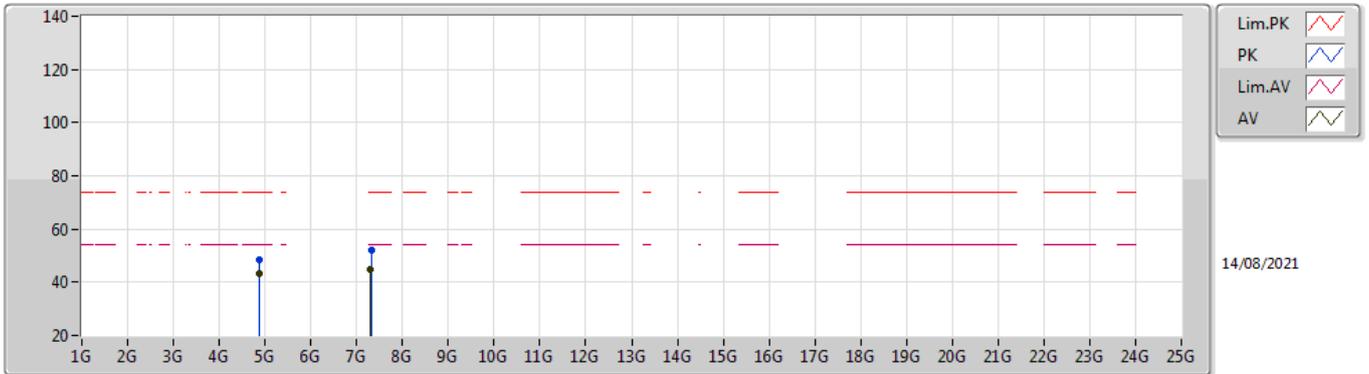


EUT_V_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3414G	60.01	74.00	-13.99	29.31	3	Horizontal	23	1.00	-	28.27	2.43	-
AV	2.3414G	49.00	54.00	-5.00	18.30	3	Horizontal	23	1.00	-	28.27	2.43	-
PK	2.4378G	116.95	Inf	-Inf	86.13	3	Horizontal	23	1.00	-	28.40	2.42	-
AV	2.4378G	113.11	Inf	-Inf	82.29	3	Horizontal	23	1.00	-	28.40	2.42	-
PK	2.487G	59.43	74.00	-14.57	28.44	3	Horizontal	23	1.00	-	28.55	2.44	-
AV	2.4838G	46.87	54.00	-7.13	15.89	3	Horizontal	23	1.00	-	28.54	2.44	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

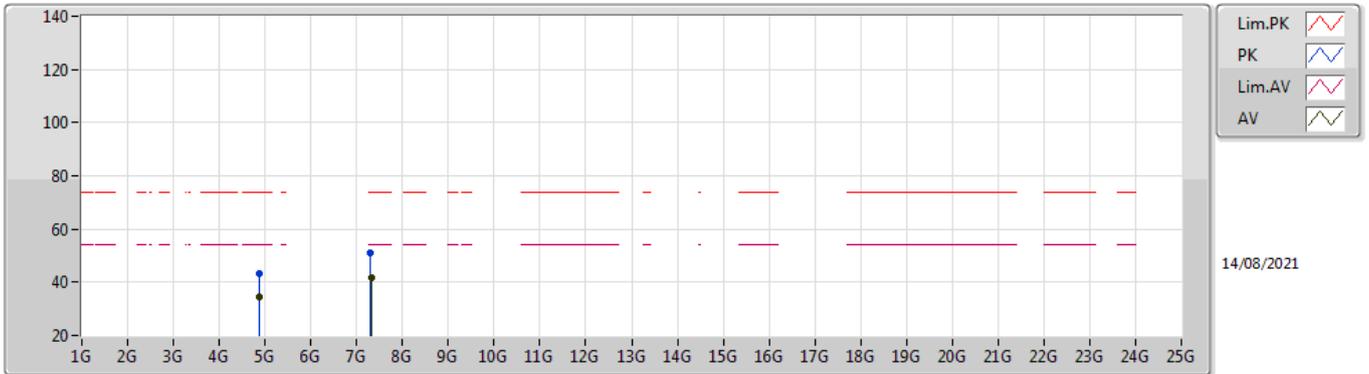


EUT Y_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.874G	48.24	74.00	-25.76	42.80	3	Vertical	87	2.91	-	32.95	4.70	32.21
AV	4.87392G	43.36	54.00	-10.64	37.92	3	Vertical	87	2.91	-	32.95	4.70	32.21
PK	7.31248G	51.87	74.00	-22.13	42.51	3	Vertical	203	1.50	-	36.42	5.76	32.82
AV	7.30896G	44.72	54.00	-9.28	35.37	3	Vertical	203	1.50	-	36.42	5.75	32.82

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

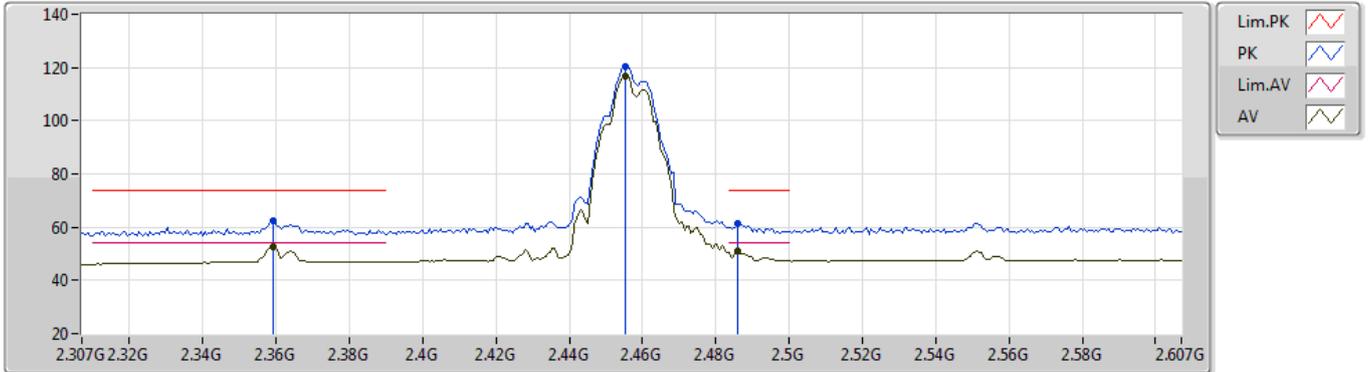


EUT Y_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87404G	43.05	74.00	-30.95	37.61	3	Horizontal	103	1.77	-	32.95	4.70	32.21
AV	4.87394G	34.25	54.00	-19.75	28.81	3	Horizontal	103	1.77	-	32.95	4.70	32.21
PK	7.30946G	51.04	74.00	-22.96	41.69	3	Horizontal	194	1.02	-	36.42	5.75	32.82
AV	7.31268G	41.89	54.00	-12.11	32.52	3	Horizontal	194	1.02	-	36.43	5.76	32.82

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

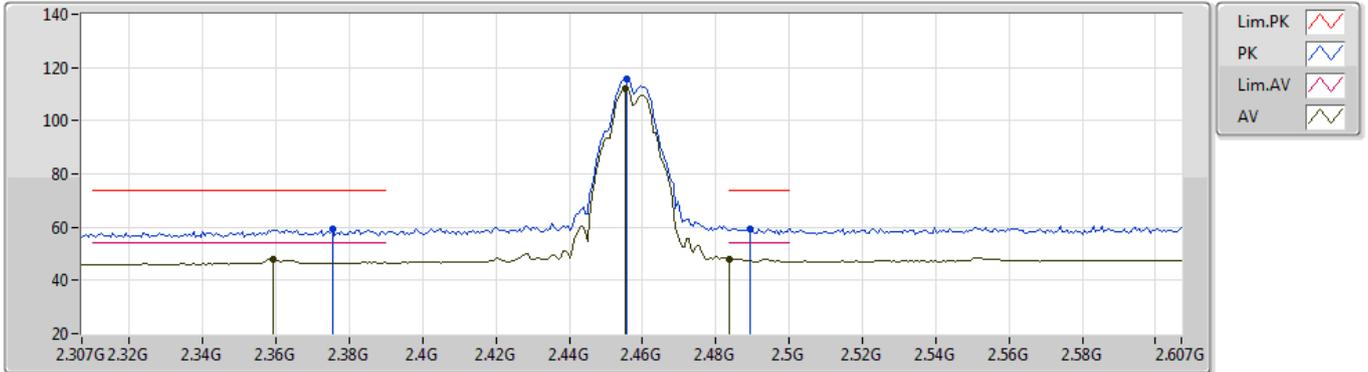


EUT V_2TX
Setting 26
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3592G	62.25	74.00	-11.75	31.51	3	Vertical	200	1.81	-	28.32	2.42	-
AV	2.3592G	52.55	54.00	-1.45	21.81	3	Vertical	200	1.81	-	28.32	2.42	-
PK	2.4552G	120.13	Inf	-Inf	89.28	3	Vertical	200	1.81	-	28.42	2.43	-
AV	2.4552G	116.82	Inf	-Inf	85.97	3	Vertical	200	1.81	-	28.42	2.43	-
PK	2.4858G	61.51	74.00	-12.49	30.53	3	Vertical	200	1.81	-	28.54	2.44	-
AV	2.4858G	50.93	54.00	-3.07	19.95	3	Vertical	200	1.81	-	28.54	2.44	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

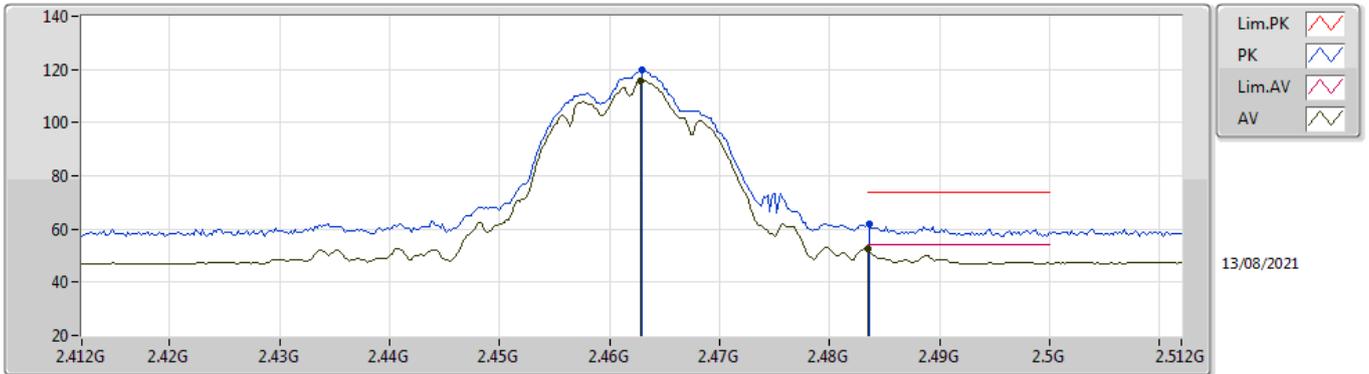


EUT_V_2TX
Setting 26
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3754G	59.20	74.00	-14.80	28.44	3	Horizontal	34	1.02	-	28.35	2.41	-
AV	2.3592G	48.14	54.00	-5.86	17.40	3	Horizontal	34	1.02	-	28.32	2.42	-
PK	2.4558G	115.68	Inf	-Inf	84.83	3	Horizontal	34	1.02	-	28.42	2.43	-
AV	2.4552G	112.16	Inf	-Inf	81.31	3	Horizontal	34	1.02	-	28.42	2.43	-
PK	2.4894G	59.27	74.00	-14.73	28.27	3	Horizontal	34	1.02	-	28.56	2.44	-
AV	2.4835G	48.15	54.00	-5.85	17.18	3	Horizontal	34	1.02	-	28.53	2.44	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

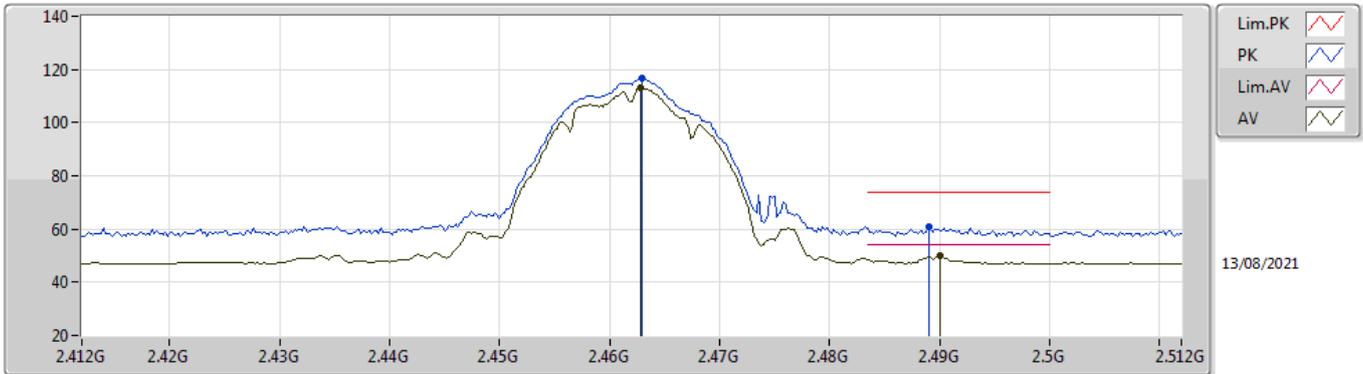


EUT Y_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	119.65	Inf	-Inf	88.77	3	Vertical	356	1.72	-	28.45	2.43	-
AV	2.4628G	115.82	Inf	-Inf	84.94	3	Vertical	356	1.72	-	28.45	2.43	-
PK	2.4836G	61.99	74.00	-12.01	31.02	3	Vertical	356	1.72	-	28.53	2.44	-
AV	2.4835G	52.67	54.00	-1.33	21.70	3	Vertical	356	1.72	-	28.53	2.44	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

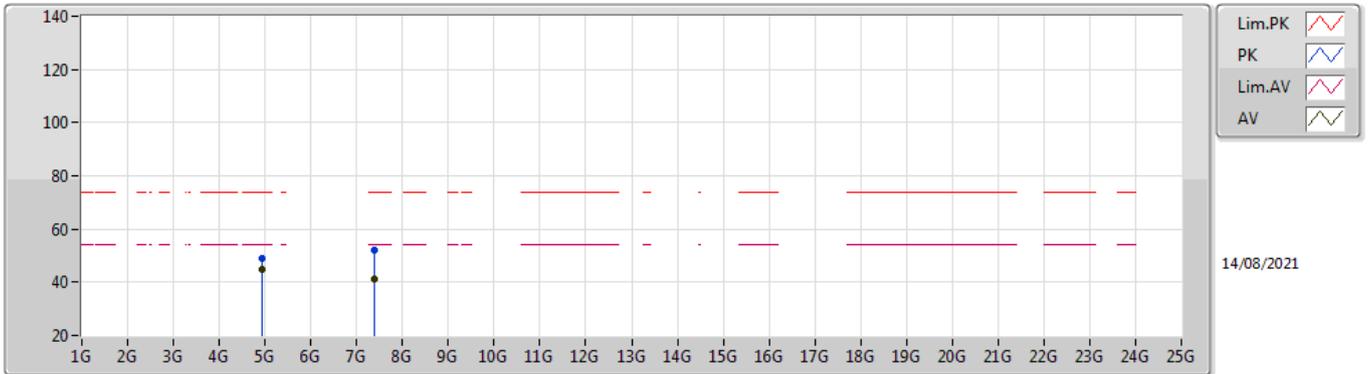


EUT_V_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	116.88	Inf	-Inf	86.00	3	Horizontal	30	1.00	-	28.45	2.43	-
AV	2.4628G	113.10	Inf	-Inf	82.22	3	Horizontal	30	1.00	-	28.45	2.43	-
PK	2.489G	60.99	74.00	-13.01	29.99	3	Horizontal	30	1.00	-	28.56	2.44	-
AV	2.49G	49.85	54.00	-4.15	18.85	3	Horizontal	30	1.00	-	28.56	2.44	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

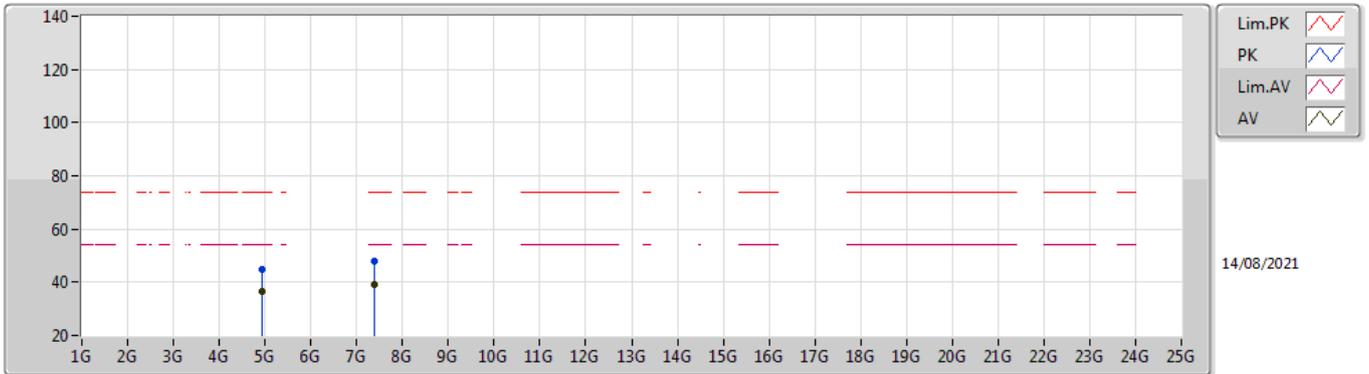


EUT Y_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92388G	49.02	74.00	-24.98	43.37	3	Vertical	85	2.85	-	33.14	4.70	32.19
AV	4.92396G	44.76	54.00	-9.24	39.11	3	Vertical	85	2.85	-	33.14	4.70	32.19
PK	7.38194G	51.83	74.00	-22.17	42.42	3	Vertical	247	1.05	-	36.56	5.79	32.94
AV	7.38996G	41.37	54.00	-12.63	31.96	3	Vertical	247	1.05	-	36.58	5.79	32.96

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

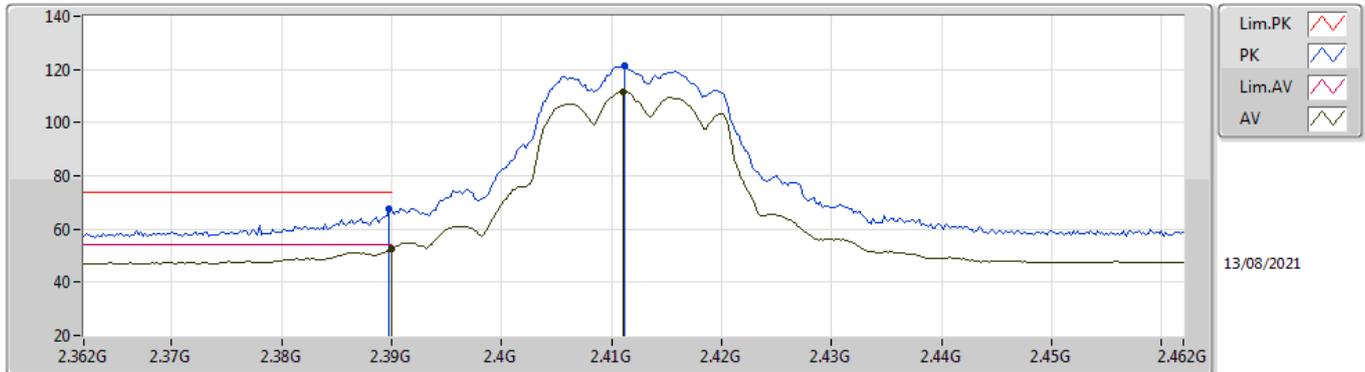


EUT Y_2TX
Setting 26
02-B-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92412G	44.59	74.00	-29.41	38.94	3	Horizontal	207	1.46	-	33.14	4.70	32.19
AV	4.92392G	36.51	54.00	-17.49	30.86	3	Horizontal	207	1.46	-	33.14	4.70	32.19
PK	7.38504G	48.00	74.00	-26.00	38.59	3	Horizontal	57	2.48	-	36.57	5.79	32.95
AV	7.38694G	38.96	54.00	-15.04	29.55	3	Horizontal	57	2.48	-	36.57	5.79	32.95

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

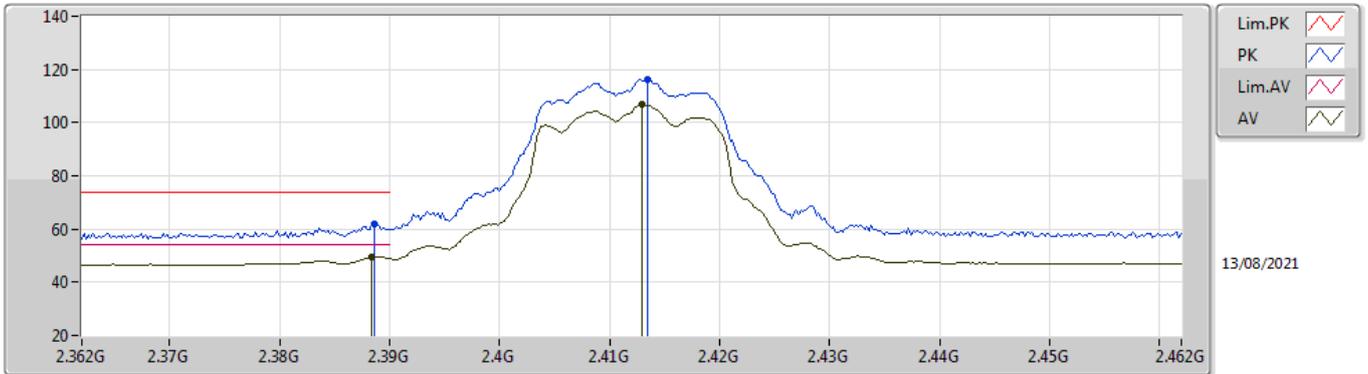


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	67.57	74.00	-6.43	36.78	3	Vertical	242	2.22	-	28.38	2.41	-
AV	2.39G	52.80	54.00	-1.20	22.01	3	Vertical	242	2.22	-	28.38	2.41	-
PK	2.4112G	121.51	Inf	-Inf	90.70	3	Vertical	242	2.22	-	28.40	2.41	-
AV	2.411G	111.78	Inf	-Inf	80.97	3	Vertical	242	2.22	-	28.40	2.41	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

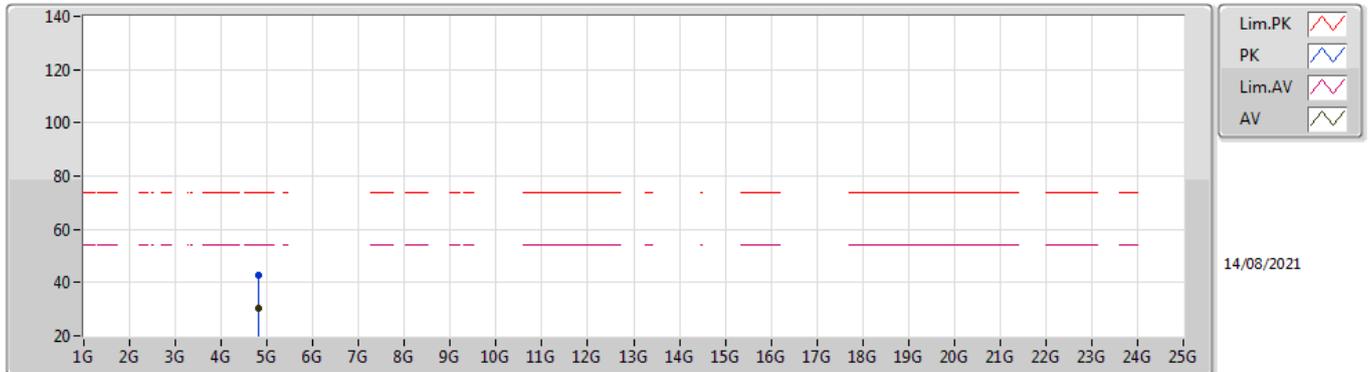


EUT_V_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	62.14	74.00	-11.86	31.35	3	Horizontal	10	1.00	-	28.38	2.41	-
AV	2.3884G	49.50	54.00	-4.50	18.71	3	Horizontal	10	1.00	-	28.38	2.41	-
PK	2.4134G	115.97	Inf	-Inf	85.16	3	Horizontal	10	1.00	-	28.40	2.41	-
AV	2.413G	106.88	Inf	-Inf	76.07	3	Horizontal	10	1.00	-	28.40	2.41	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

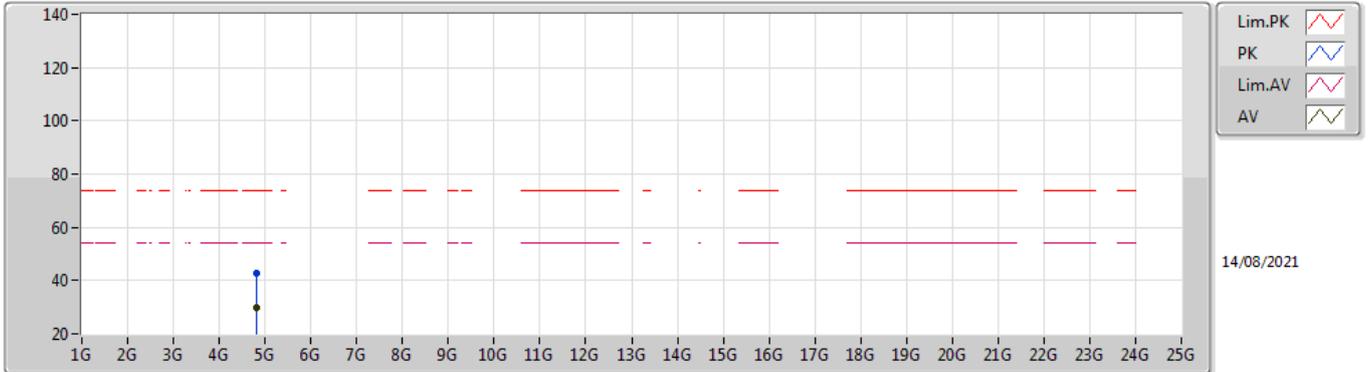


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82786G	42.57	74.00	-31.43	37.28	3	Vertical	359	1.11	-	32.81	4.70	32.22
AV	4.82332G	30.11	54.00	-23.89	24.84	3	Vertical	359	1.11	-	32.79	4.70	32.22

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

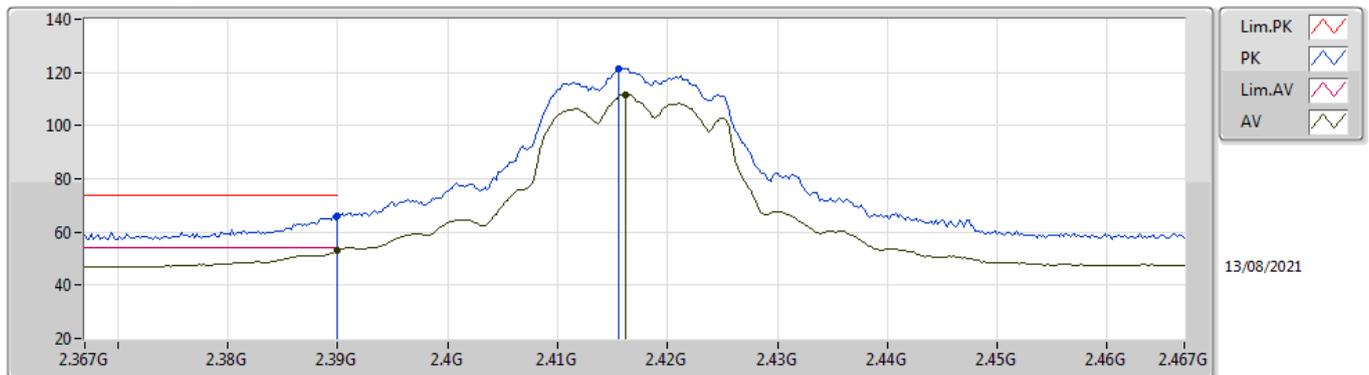


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82334G	43.00	74.00	-31.00	37.73	3	Horizontal	107	1.89	-	32.79	4.70	32.22
AV	4.82316G	29.97	54.00	-24.03	24.70	3	Horizontal	107	1.89	-	32.79	4.70	32.22

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

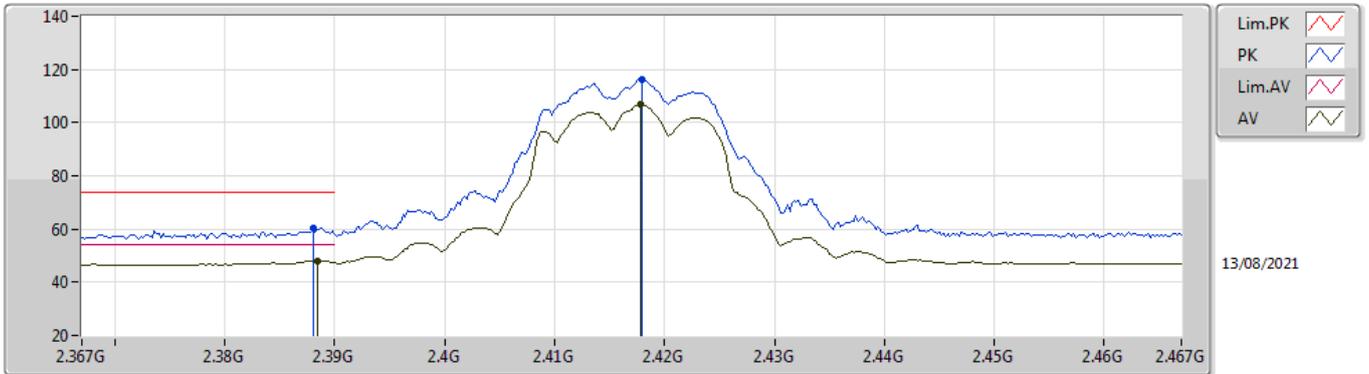


EUT Y_2TX
Setting 23
02-B-R-5

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	65.87	74.00	-8.13	35.08	3	Vertical	238	1.65	-	28.38	2.41	-
AV	2.39G	53.02	54.00	-0.98	22.23	3	Vertical	238	1.65	-	28.38	2.41	-
PK	2.4156G	121.59	Inf	-Inf	90.78	3	Vertical	238	1.65	-	28.40	2.41	-
AV	2.4162G	111.76	Inf	-Inf	80.95	3	Vertical	238	1.65	-	28.40	2.41	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

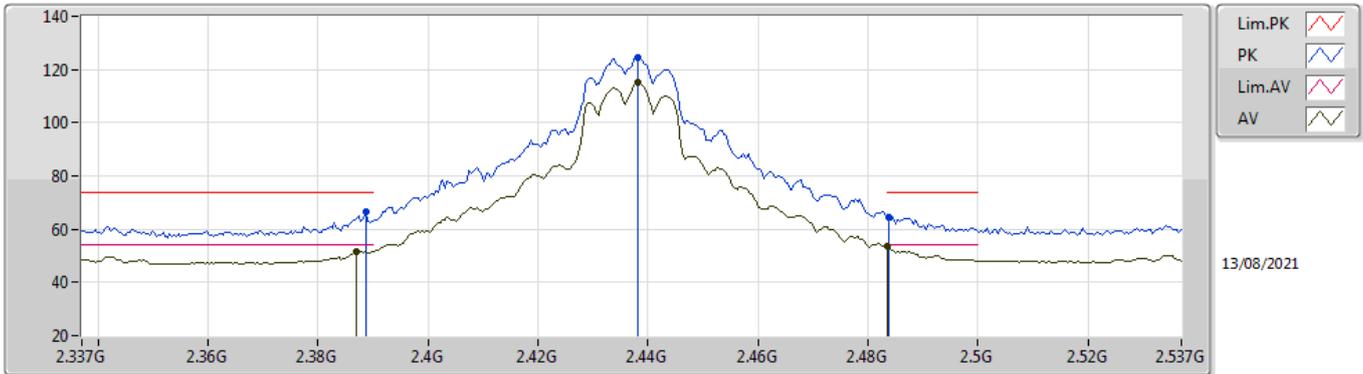


EUT Y_2TX
Setting 23
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.388G	60.13	74.00	-13.87	29.34	3	Horizontal	356	1.00	-	28.38	2.41	-
AV	2.3884G	47.98	54.00	-6.02	17.19	3	Horizontal	356	1.00	-	28.38	2.41	-
PK	2.418G	116.12	Inf	-Inf	85.31	3	Horizontal	356	1.00	-	28.40	2.41	-
AV	2.4178G	106.72	Inf	-Inf	75.91	3	Horizontal	356	1.00	-	28.40	2.41	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

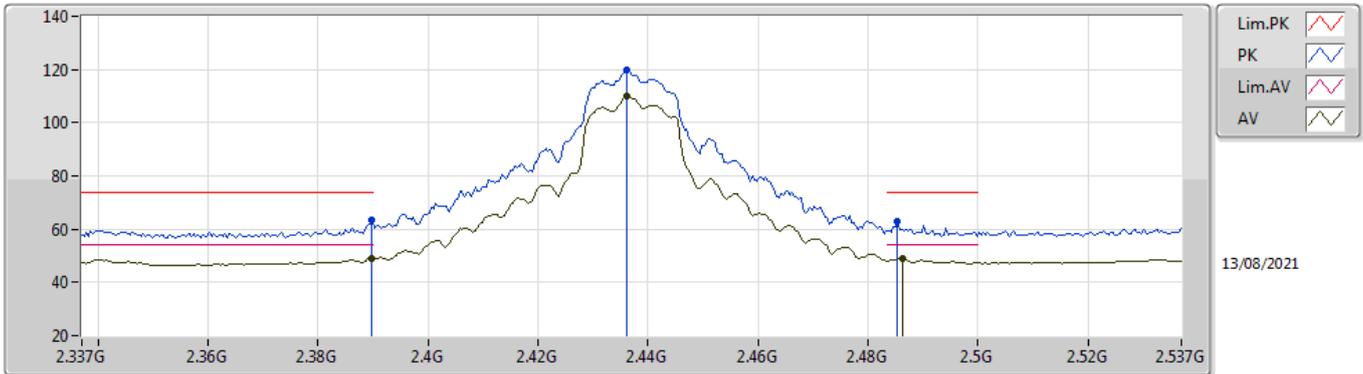


EUT_V_2TX
Setting 26
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	66.37	74.00	-7.63	35.58	3	Vertical	244	1.38	-	28.38	2.41	-
AV	2.387G	51.57	54.00	-2.43	20.79	3	Vertical	244	1.38	-	28.37	2.41	-
PK	2.4382G	124.72	Inf	-Inf	93.90	3	Vertical	244	1.38	-	28.40	2.42	-
AV	2.4382G	115.09	Inf	-Inf	84.27	3	Vertical	244	1.38	-	28.40	2.42	-
PK	2.4838G	64.35	74.00	-9.65	33.37	3	Vertical	244	1.38	-	28.54	2.44	-
AV	2.4835G	53.44	54.00	-0.56	22.47	3	Vertical	244	1.38	-	28.53	2.44	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

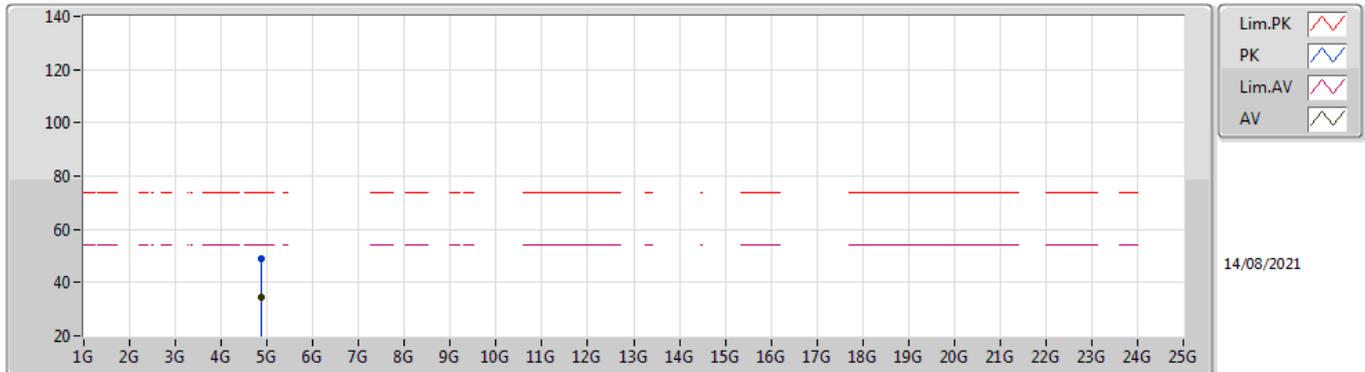


EUT_V_2TX
Setting 26
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	63.38	74.00	-10.62	32.59	3	Horizontal	32	1.20	-	28.38	2.41	-
AV	2.3898G	49.02	54.00	-4.98	18.23	3	Horizontal	32	1.20	-	28.38	2.41	-
PK	2.4362G	119.69	Inf	-Inf	88.87	3	Horizontal	32	1.20	-	28.40	2.42	-
AV	2.4362G	110.15	Inf	-Inf	79.33	3	Horizontal	32	1.20	-	28.40	2.42	-
PK	2.4854G	62.97	74.00	-11.03	31.99	3	Horizontal	32	1.20	-	28.54	2.44	-
AV	2.4862G	48.83	54.00	-5.17	17.85	3	Horizontal	32	1.20	-	28.54	2.44	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

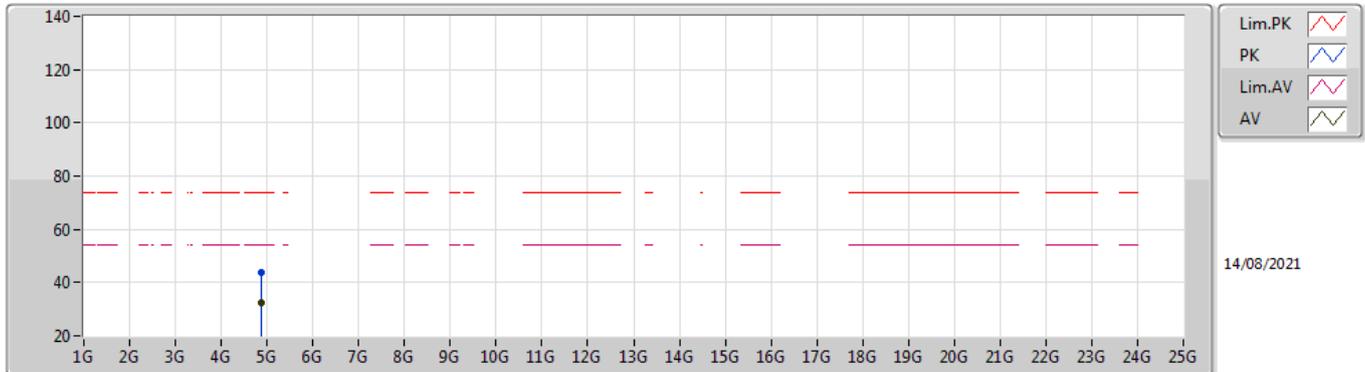


EUT Y_2TX
Setting 26
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87596G	48.89	74.00	-25.11	43.44	3	Vertical	87	2.88	-	32.95	4.70	32.20
AV	4.87398G	34.57	54.00	-19.43	29.13	3	Vertical	87	2.88	-	32.95	4.70	32.21

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

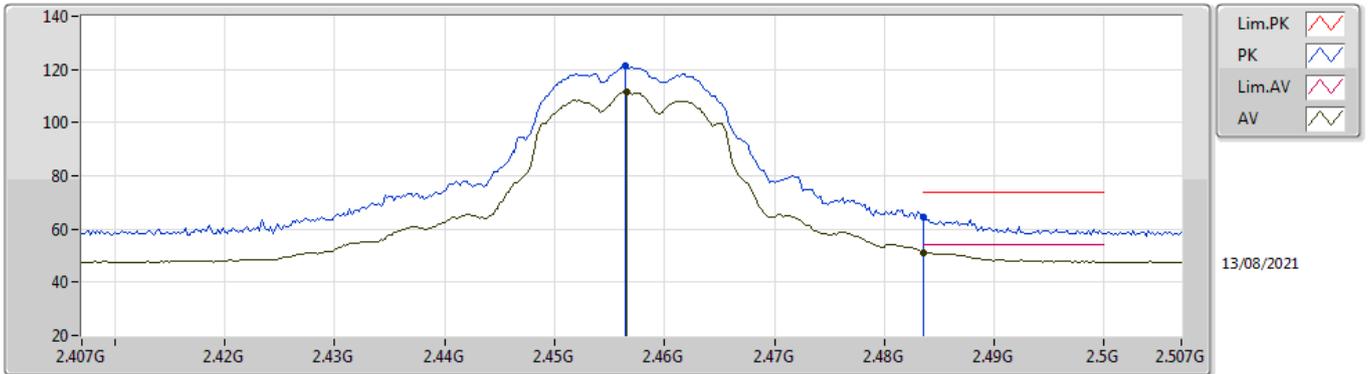


EUT Y_2TX
Setting 26
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87398G	43.68	74.00	-30.32	38.24	3	Horizontal	144	2.36	-	32.95	4.70	32.21
AV	4.87394G	32.24	54.00	-21.76	26.80	3	Horizontal	144	2.36	-	32.95	4.70	32.21

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

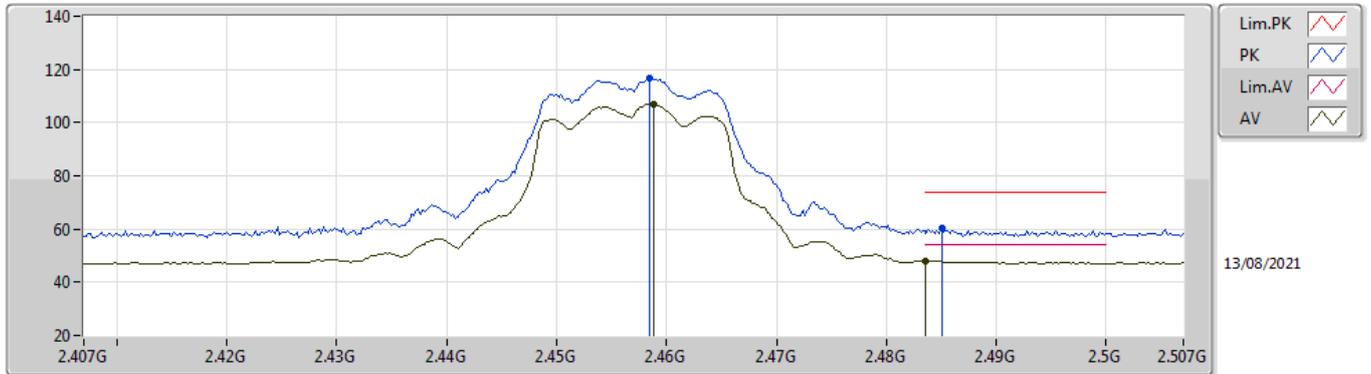


EUT Y_2TX
Setting 23
02-B-R-5

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	2.4564G	121.33	Inf	-Inf	90.47	3	Vertical	227	1.34	-	28.43	2.43	-
AV	2.4566G	111.59	Inf	-Inf	80.73	3	Vertical	227	1.34	-	28.43	2.43	-
PK	2.4835G	64.27	74.00	-9.73	33.30	3	Vertical	227	1.34	-	28.53	2.44	-
AV	2.4835G	51.27	54.00	-2.73	20.30	3	Vertical	227	1.34	-	28.53	2.44	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

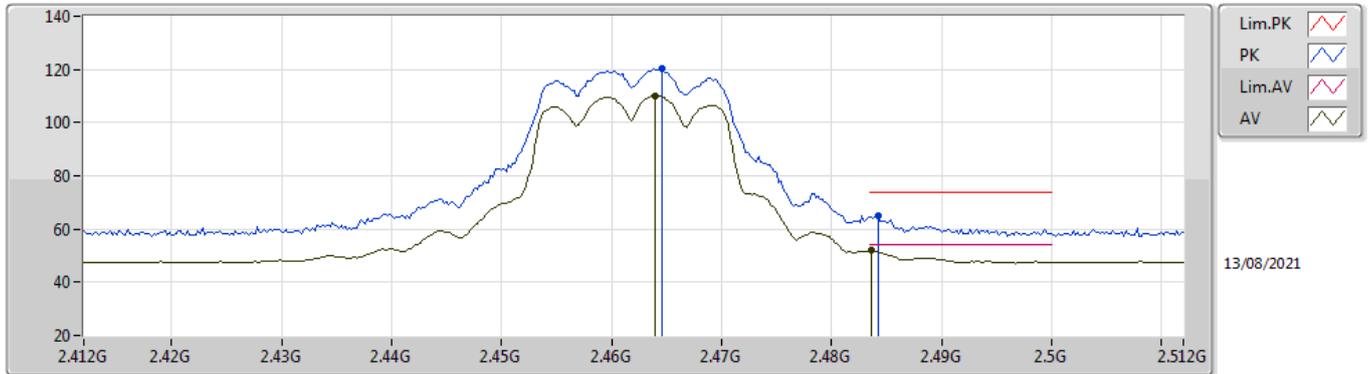


EUT Y_2TX
Setting 23
02-B-R-5

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	2.4584G	116.60	Inf	-Inf	85.74	3	Horizontal	31	1.00	-	28.43	2.43	-
AV	2.4588G	106.91	Inf	-Inf	76.04	3	Horizontal	31	1.00	-	28.44	2.43	-
PK	2.485G	60.48	74.00	-13.52	29.50	3	Horizontal	31	1.00	-	28.54	2.44	-
AV	2.4835G	48.06	54.00	-5.94	17.09	3	Horizontal	31	1.00	-	28.53	2.44	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

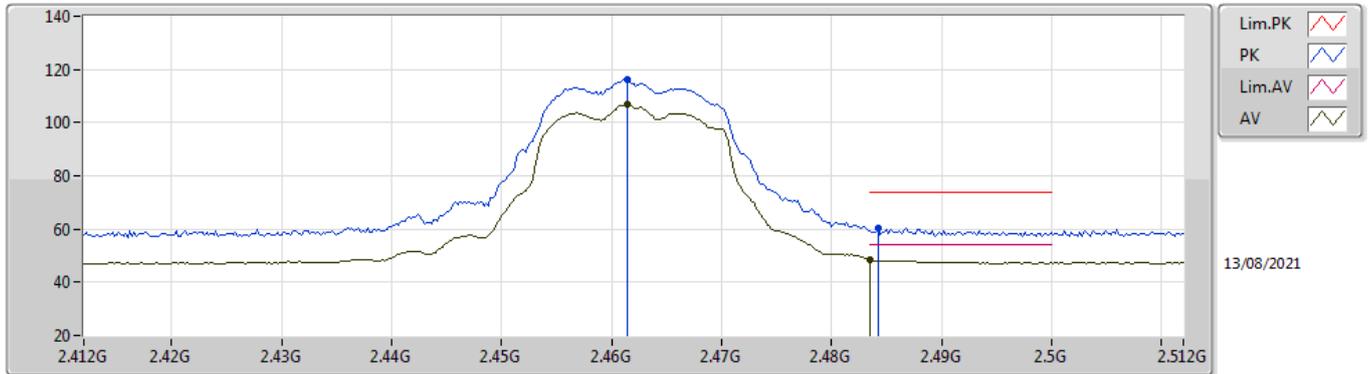


EUT Y_2TX
Setting 22.5
02-B-R-5

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	2.464G	120.26	Inf	-Inf	89.37	3	Vertical	229	1.20	-	28.46	2.43	-
AV	2.464G	110.25	Inf	-Inf	79.36	3	Vertical	229	1.20	-	28.46	2.43	-
PK	2.4842G	65.07	74.00	-8.93	34.09	3	Vertical	229	1.20	-	28.54	2.44	-
AV	2.4836G	52.16	54.00	-1.84	21.19	3	Vertical	229	1.20	-	28.53	2.44	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

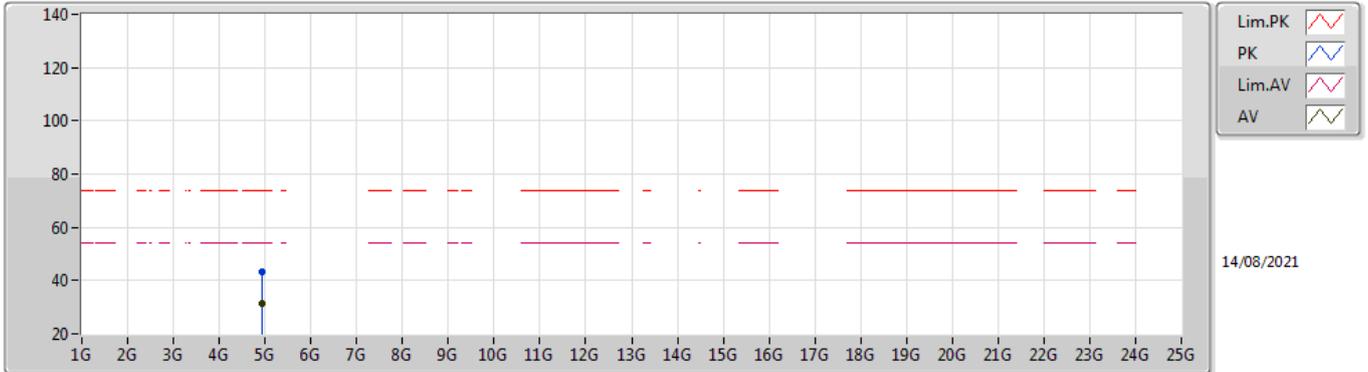


EUT Y_2TX
Setting 22.5
02-B-R-5

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	2.4614G	116.16	Inf	-Inf	85.28	3	Horizontal	33	1.00	-	28.45	2.43	-
AV	2.4614G	106.69	Inf	-Inf	75.81	3	Horizontal	33	1.00	-	28.45	2.43	-
PK	2.4842G	60.19	74.00	-13.81	29.21	3	Horizontal	33	1.00	-	28.54	2.44	-
AV	2.4835G	48.27	54.00	-5.73	17.30	3	Horizontal	33	1.00	-	28.53	2.44	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

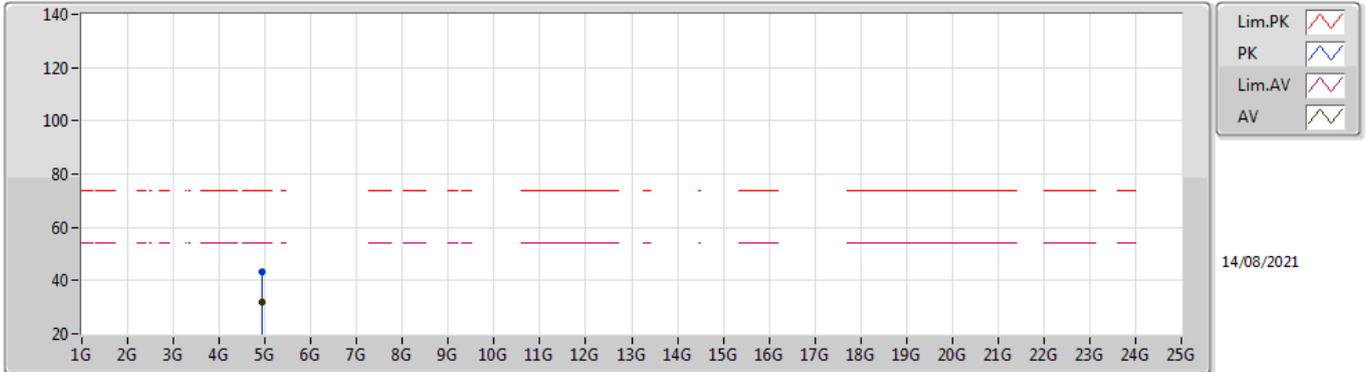


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92428G	43.22	74.00	-30.78	37.56	3	Vertical	306	1.26	-	33.15	4.70	32.19
AV	4.92396G	31.46	54.00	-22.54	25.81	3	Vertical	306	1.26	-	33.14	4.70	32.19

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

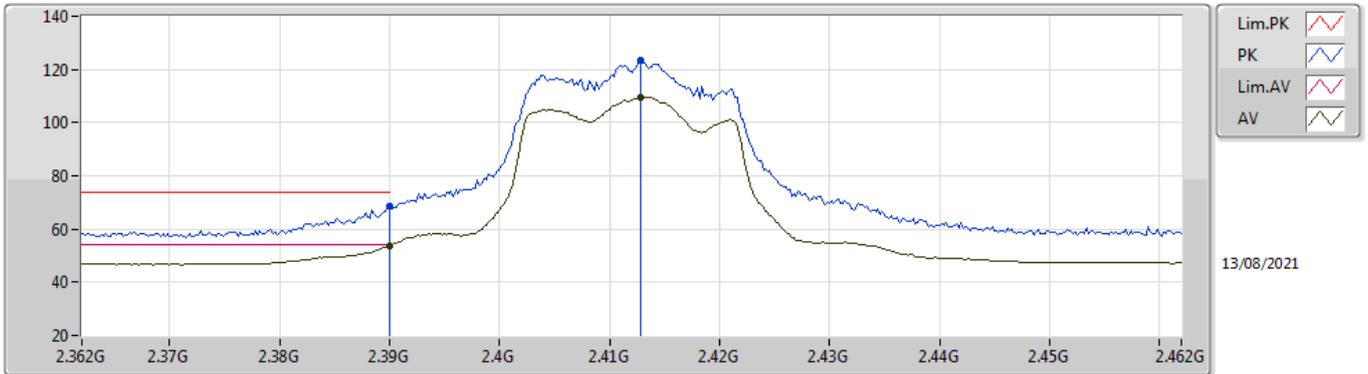


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92836G	43.45	74.00	-30.55	37.77	3	Horizontal	115	2.82	-	33.17	4.70	32.19
AV	4.92394G	31.74	54.00	-22.26	26.09	3	Horizontal	115	2.82	-	33.14	4.70	32.19

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

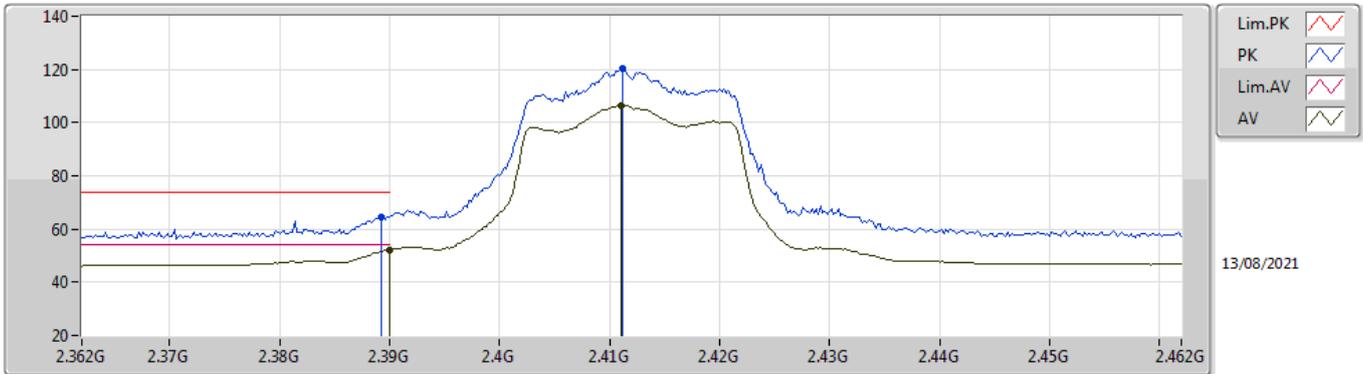


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	68.61	74.00	-5.39	37.82	3	Vertical	255	1.00	-	28.38	2.41	-
AV	2.39G	53.86	54.00	-0.14	23.07	3	Vertical	255	1.00	-	28.38	2.41	-
PK	2.4128G	123.28	Inf	-Inf	92.47	3	Vertical	255	1.00	-	28.40	2.41	-
AV	2.4128G	109.68	Inf	-Inf	78.87	3	Vertical	255	1.00	-	28.40	2.41	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

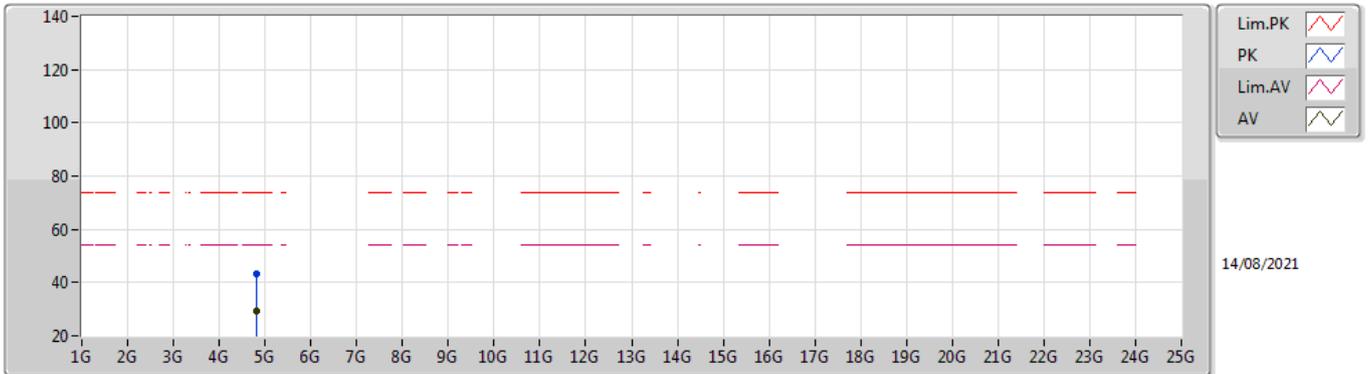


EUT Y_2TX
Setting 22.5
02-B-R-5

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	2.3892G	64.48	74.00	-9.52	33.69	3	Horizontal	32	1.00	-	28.38	2.41	-
AV	2.39G	52.16	54.00	-1.84	21.37	3	Horizontal	32	1.00	-	28.38	2.41	-
PK	2.4112G	120.33	Inf	-Inf	89.52	3	Horizontal	32	1.00	-	28.40	2.41	-
AV	2.411G	106.59	Inf	-Inf	75.78	3	Horizontal	32	1.00	-	28.40	2.41	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

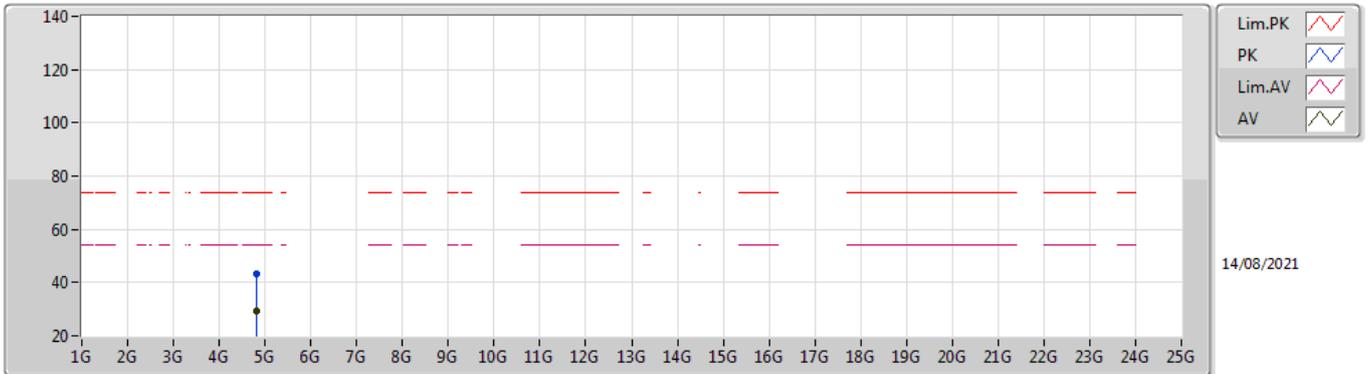


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82644G	43.11	74.00	-30.89	37.82	3	Vertical	341	2.10	-	32.81	4.70	32.22
AV	4.82366G	29.46	54.00	-24.54	24.19	3	Vertical	341	2.10	-	32.79	4.70	32.22

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

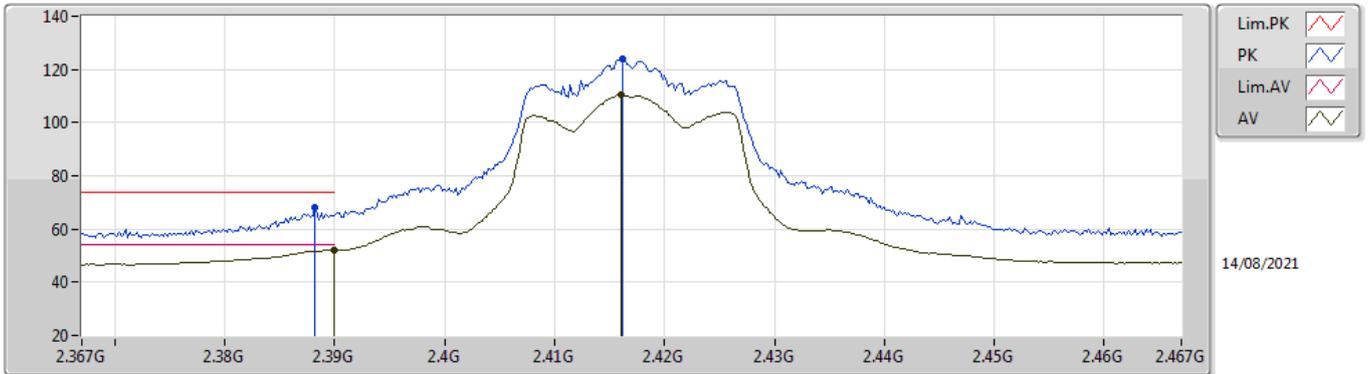


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82676G	43.52	74.00	-30.48	38.23	3	Horizontal	23	1.42	-	32.81	4.70	32.22
AV	4.82346G	29.46	54.00	-24.54	24.19	3	Horizontal	23	1.42	-	32.79	4.70	32.22

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

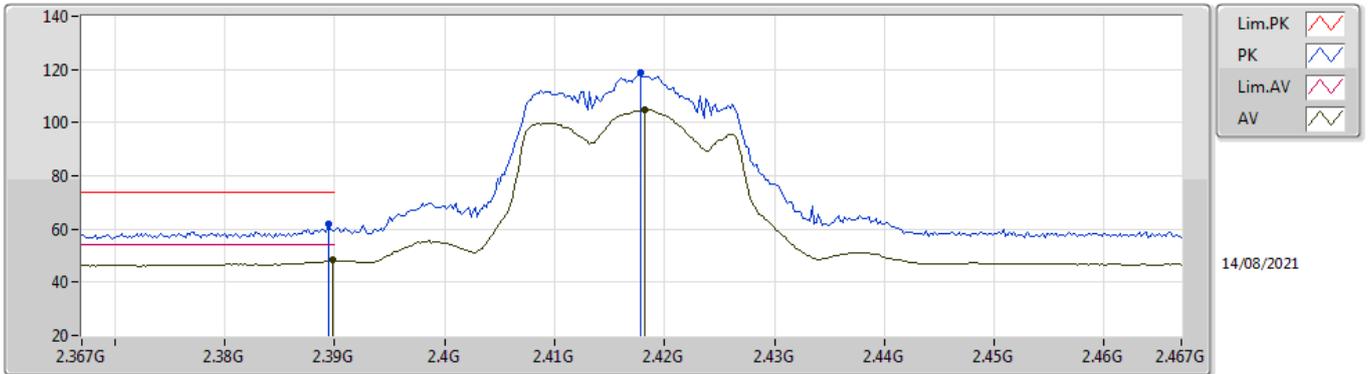


EUT Y_2TX
Setting 22.5
02-B-R-5

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	67.97	74.00	-6.03	37.18	3	Vertical	223	1.64	-	28.38	2.41	-
AV	2.39G	51.99	54.00	-2.01	21.20	3	Vertical	223	1.64	-	28.38	2.41	-
PK	2.4162G	123.93	Inf	-Inf	93.12	3	Vertical	223	1.64	-	28.40	2.41	-
AV	2.416G	110.45	Inf	-Inf	79.64	3	Vertical	223	1.64	-	28.40	2.41	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

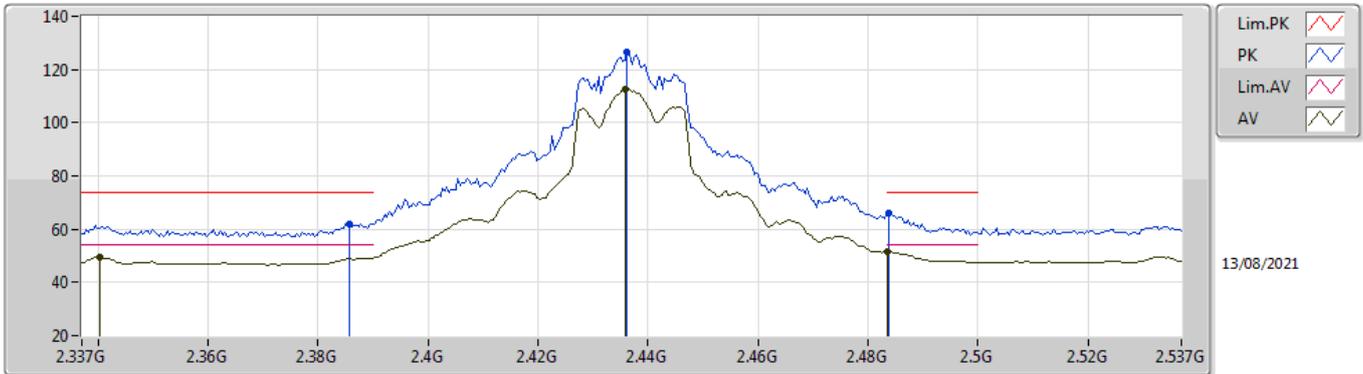


EUT Y_2TX
Setting 22.5
02-B-R-5

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	61.89	74.00	-12.11	31.10	3	Horizontal	356	1.00	-	28.38	2.41	-
AV	2.3898G	48.30	54.00	-5.70	17.51	3	Horizontal	356	1.00	-	28.38	2.41	-
PK	2.4178G	119.00	Inf	-Inf	88.19	3	Horizontal	356	1.00	-	28.40	2.41	-
AV	2.4182G	105.00	Inf	-Inf	74.19	3	Horizontal	356	1.00	-	28.40	2.41	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

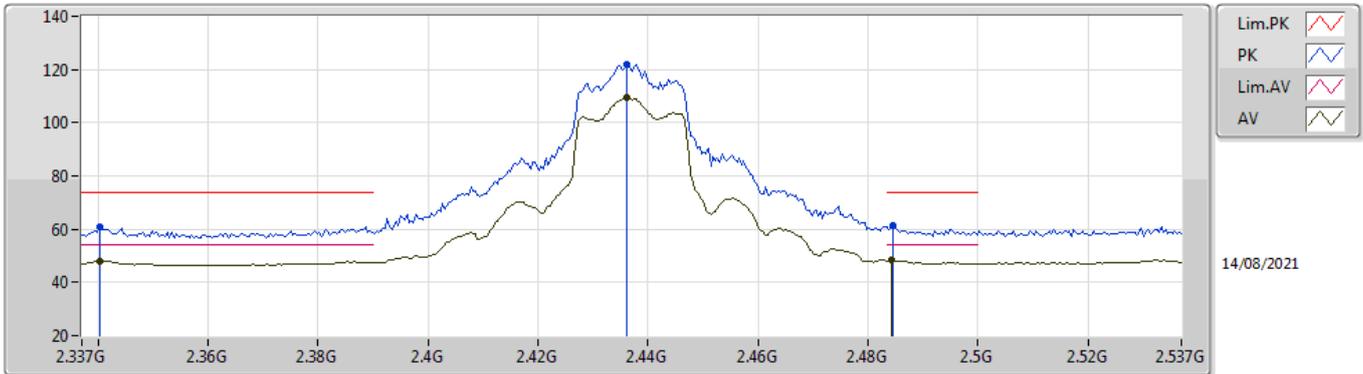


EUT V_2TX
Setting 25.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	62.00	74.00	-12.00	31.22	3	Vertical	193	1.93	-	28.37	2.41	-
AV	2.3402G	49.31	54.00	-4.69	18.62	3	Vertical	193	1.93	-	28.26	2.43	-
PK	2.4362G	126.60	Inf	-Inf	95.78	3	Vertical	193	1.93	-	28.40	2.42	-
AV	2.4358G	112.80	Inf	-Inf	81.98	3	Vertical	193	1.93	-	28.40	2.42	-
PK	2.4838G	66.05	74.00	-7.95	35.07	3	Vertical	193	1.93	-	28.54	2.44	-
AV	2.4835G	51.61	54.00	-2.39	20.64	3	Vertical	193	1.93	-	28.53	2.44	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

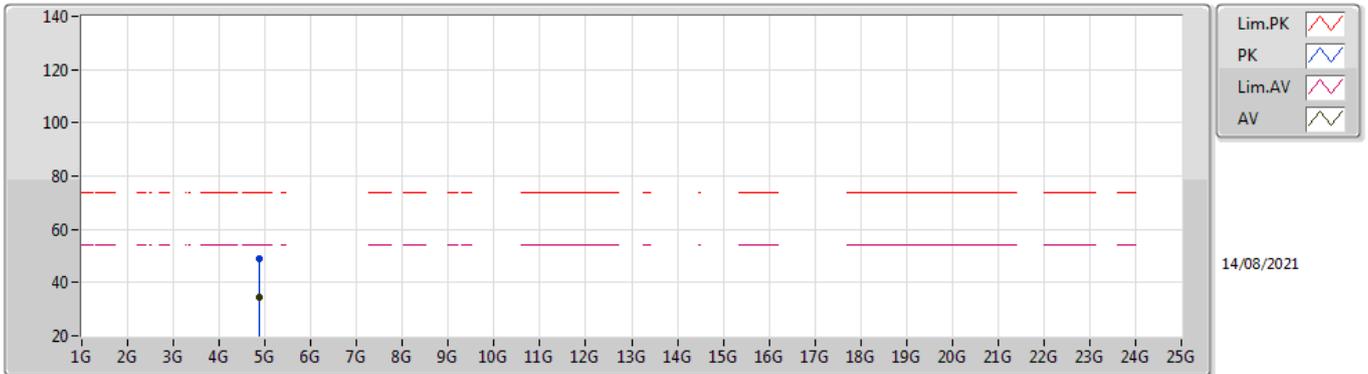


EUT_V_2TX
Setting 25.5
02-B-R-5

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	2.3402G	60.87	74.00	-13.13	30.18	3	Horizontal	37	1.00	-	28.26	2.43	-
AV	2.3402G	48.01	54.00	-5.99	17.32	3	Horizontal	37	1.00	-	28.26	2.43	-
PK	2.4362G	121.81	Inf	-Inf	90.99	3	Horizontal	37	1.00	-	28.40	2.42	-
AV	2.4362G	109.72	Inf	-Inf	78.90	3	Horizontal	37	1.00	-	28.40	2.42	-
PK	2.4846G	61.21	74.00	-12.79	30.23	3	Horizontal	37	1.00	-	28.54	2.44	-
AV	2.4842G	48.23	54.00	-5.77	17.25	3	Horizontal	37	1.00	-	28.54	2.44	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

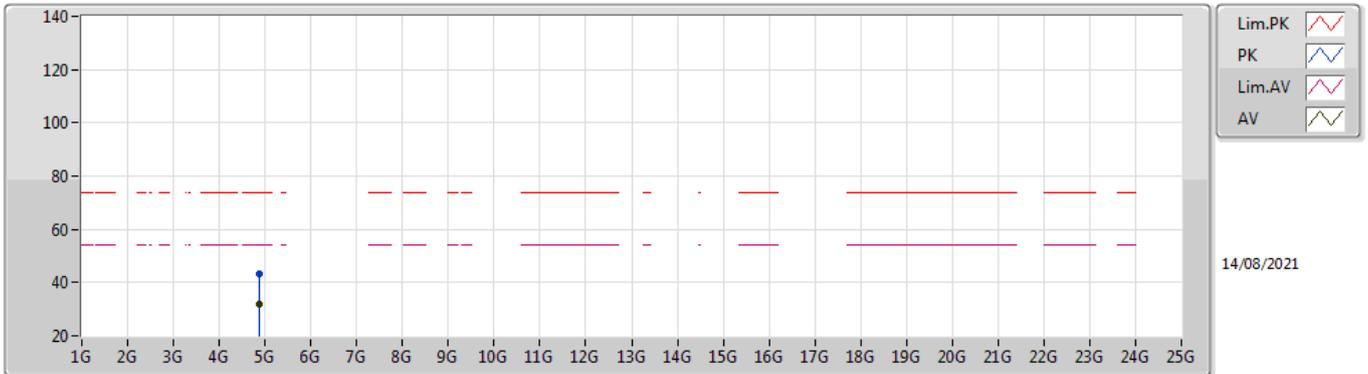


EUT Y_2TX
Setting 25.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87476G	48.96	74.00	-25.04	43.52	3	Vertical	130	1.11	-	32.95	4.70	32.21
AV	4.874G	34.23	54.00	-19.77	28.79	3	Vertical	130	1.11	-	32.95	4.70	32.21

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

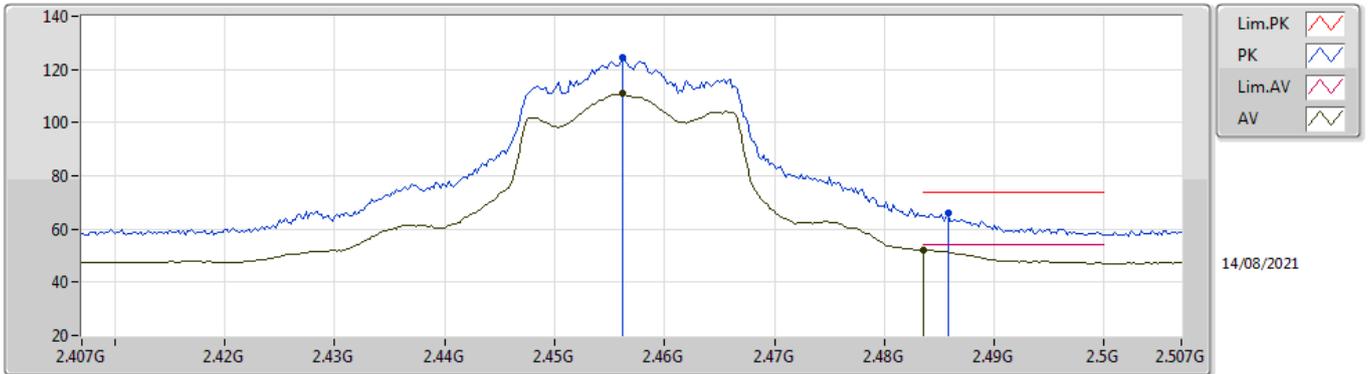


EUT Y_2TX
Setting 25.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8741G	43.28	74.00	-30.72	37.84	3	Horizontal	103	1.24	-	32.95	4.70	32.21
AV	4.87392G	31.89	54.00	-22.11	26.45	3	Horizontal	103	1.24	-	32.95	4.70	32.21

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

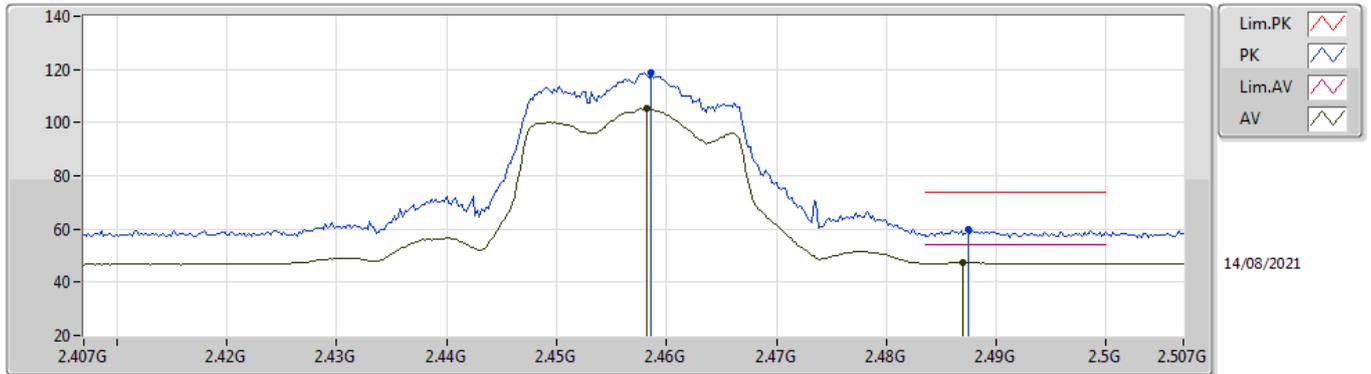


EUT Y_2TX
Setting 23
02-B-R-5

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	2.4562G	124.24	Inf	-Inf	93.39	3	Vertical	231	1.01	-	28.42	2.43	-
AV	2.4562G	110.85	Inf	-Inf	80.00	3	Vertical	231	1.01	-	28.42	2.43	-
PK	2.4858G	65.98	74.00	-8.02	35.00	3	Vertical	231	1.01	-	28.54	2.44	-
AV	2.4835G	52.26	54.00	-1.74	21.29	3	Vertical	231	1.01	-	28.53	2.44	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

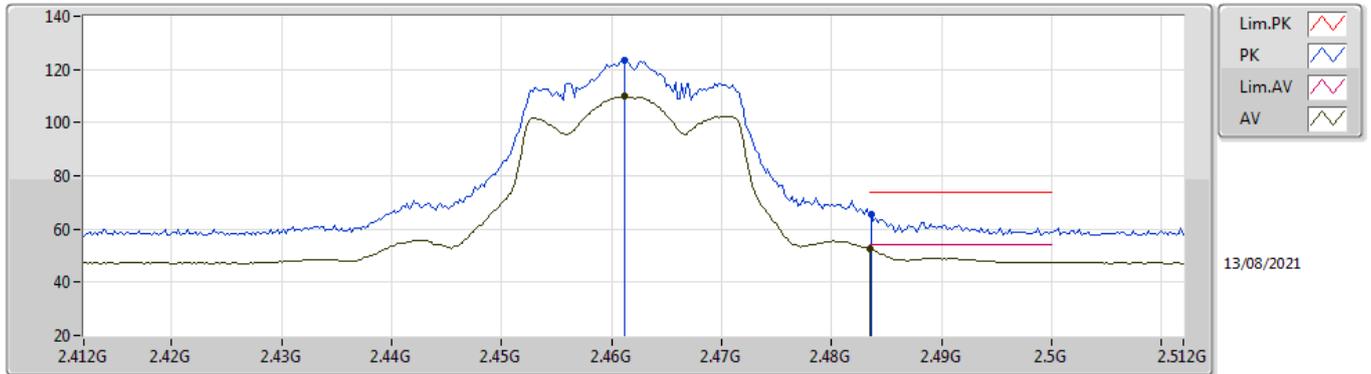


EUT Y_2TX
Setting 23
02-B-R-5

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	2.4586G	118.79	Inf	-Inf	87.93	3	Horizontal	360	1.00	-	28.43	2.43	-
AV	2.4582G	105.35	Inf	-Inf	74.49	3	Horizontal	360	1.00	-	28.43	2.43	-
PK	2.4874G	59.86	74.00	-14.14	28.87	3	Horizontal	360	1.00	-	28.55	2.44	-
AV	2.487G	47.52	54.00	-6.48	16.53	3	Horizontal	360	1.00	-	28.55	2.44	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

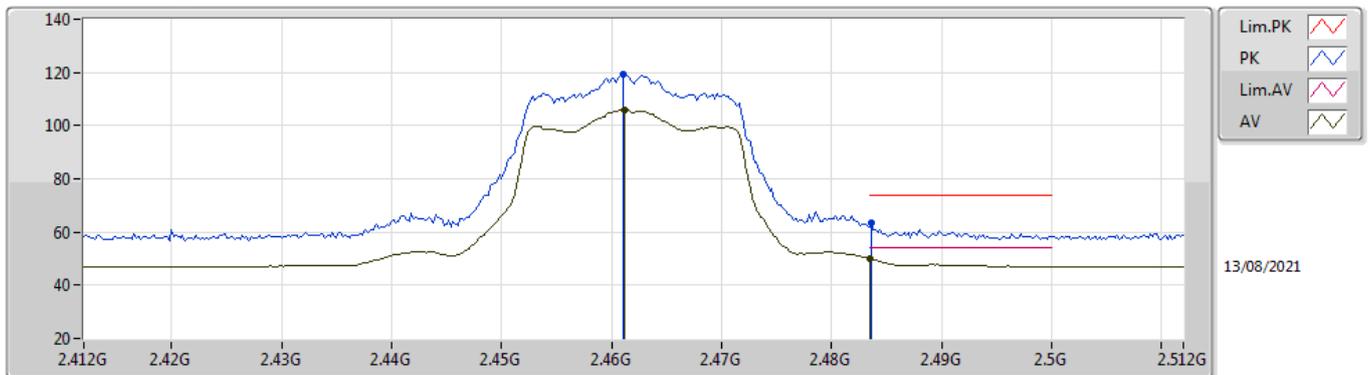


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4612G	123.66	Inf	-Inf	92.79	3	Vertical	195	2.34	-	28.44	2.43	-
AV	2.4612G	110.04	Inf	-Inf	79.17	3	Vertical	195	2.34	-	28.44	2.43	-
PK	2.4836G	65.67	74.00	-8.33	34.70	3	Vertical	195	2.34	-	28.53	2.44	-
AV	2.4835G	52.69	54.00	-1.31	21.72	3	Vertical	195	2.34	-	28.53	2.44	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

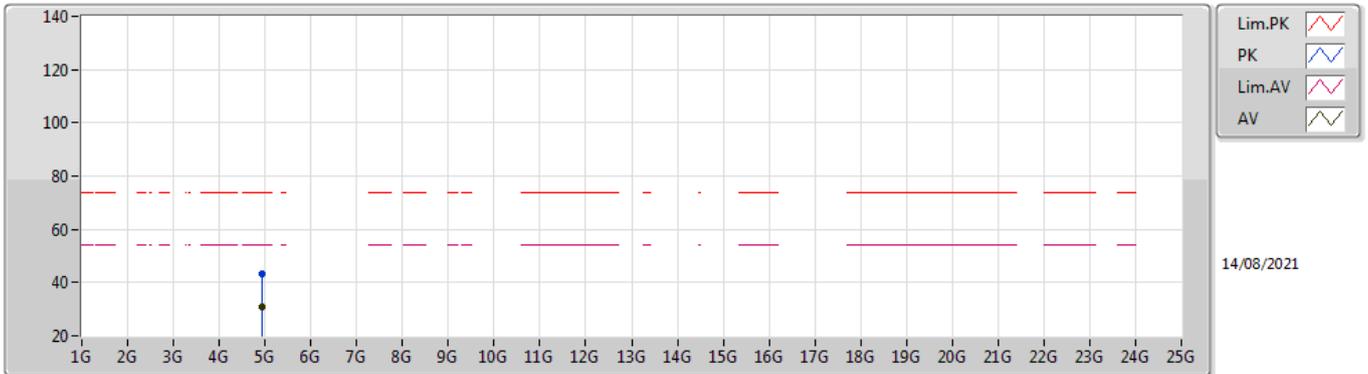


EUT Y_2TX
Setting 22.5
02-B-R-5

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	2.461G	119.38	Inf	-Inf	88.51	3	Horizontal	37	1.16	-	28.44	2.43	-
AV	2.4612G	105.91	Inf	-Inf	75.04	3	Horizontal	37	1.16	-	28.44	2.43	-
PK	2.4836G	63.32	74.00	-10.68	32.35	3	Horizontal	37	1.16	-	28.53	2.44	-
AV	2.4835G	50.06	54.00	-3.94	19.09	3	Horizontal	37	1.16	-	28.53	2.44	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

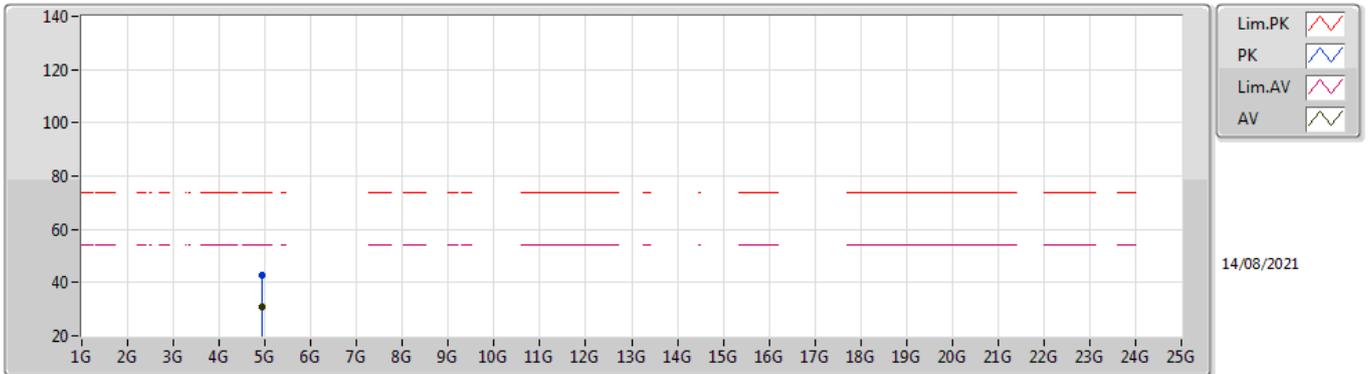


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92772G	43.19	74.00	-30.81	37.51	3	Vertical	285	1.73	-	33.17	4.70	32.19
AV	4.92394G	30.98	54.00	-23.02	25.33	3	Vertical	285	1.73	-	33.14	4.70	32.19

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

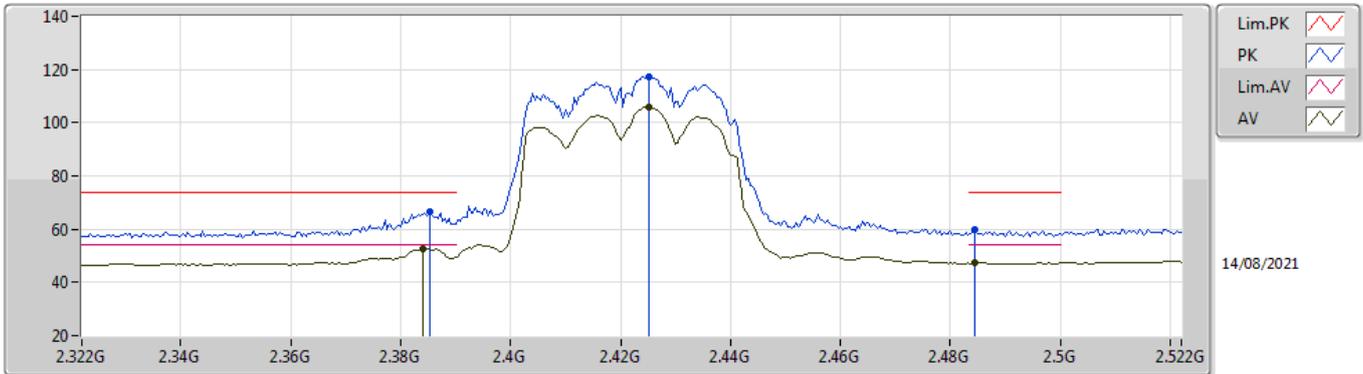


EUT Y_2TX
Setting 22.5
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92738G	42.83	74.00	-31.17	37.16	3	Horizontal	31	1.03	-	33.16	4.70	32.19
AV	4.92394G	30.99	54.00	-23.01	25.34	3	Horizontal	31	1.03	-	33.14	4.70	32.19

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

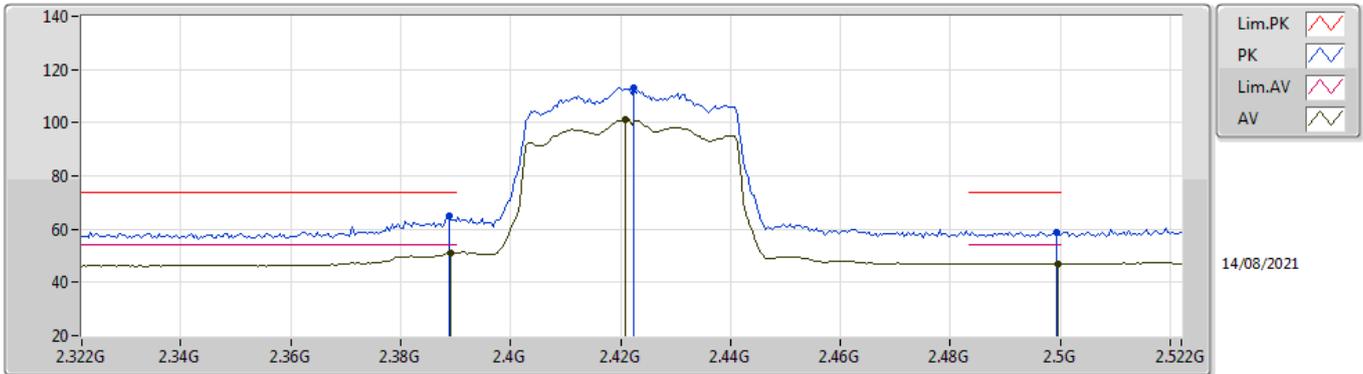


EUT_V_2TX
Setting 21
02-B-R-5

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	2.3852G	66.34	74.00	-7.66	35.56	3	Vertical	239	1.54	-	28.37	2.41	-
AV	2.384G	52.84	54.00	-1.16	22.06	3	Vertical	239	1.54	-	28.37	2.41	-
PK	2.4252G	117.25	Inf	-Inf	86.44	3	Vertical	239	1.54	-	28.40	2.41	-
AV	2.4252G	105.80	Inf	-Inf	74.99	3	Vertical	239	1.54	-	28.40	2.41	-
PK	2.4844G	59.57	74.00	-14.43	28.59	3	Vertical	239	1.54	-	28.54	2.44	-
AV	2.4844G	47.30	54.00	-6.70	16.32	3	Vertical	239	1.54	-	28.54	2.44	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

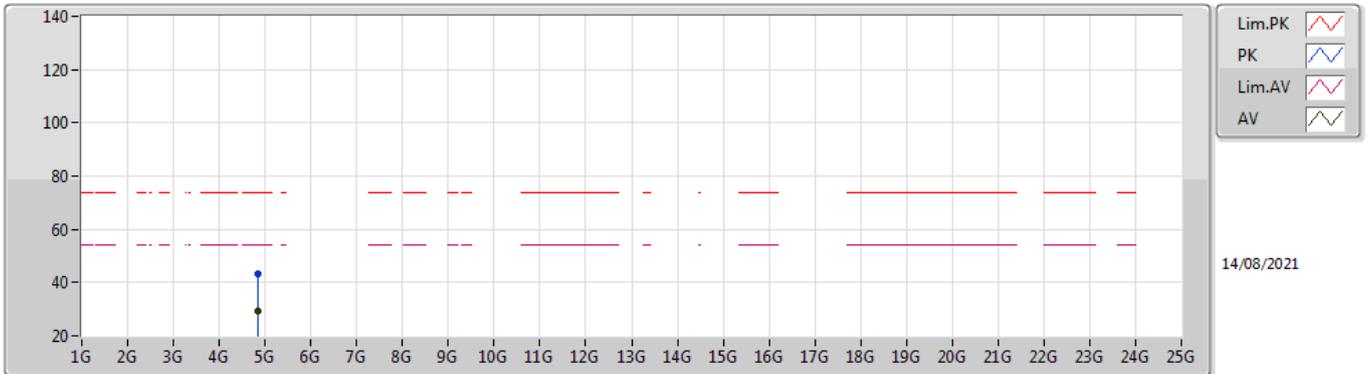


EUT Y_2TX
Setting 21
02-B-R-5

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	64.92	74.00	-9.08	34.13	3	Horizontal	38	1.00	-	28.38	2.41	-
AV	2.3892G	50.97	54.00	-3.03	20.18	3	Horizontal	38	1.00	-	28.38	2.41	-
PK	2.4224G	113.16	Inf	-Inf	82.35	3	Horizontal	38	1.00	-	28.40	2.41	-
AV	2.4208G	101.32	Inf	-Inf	70.51	3	Horizontal	38	1.00	-	28.40	2.41	-
PK	2.4992G	59.05	74.00	-14.95	28.00	3	Horizontal	38	1.00	-	28.60	2.45	-
AV	2.4996G	46.97	54.00	-7.03	15.92	3	Horizontal	38	1.00	-	28.60	2.45	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

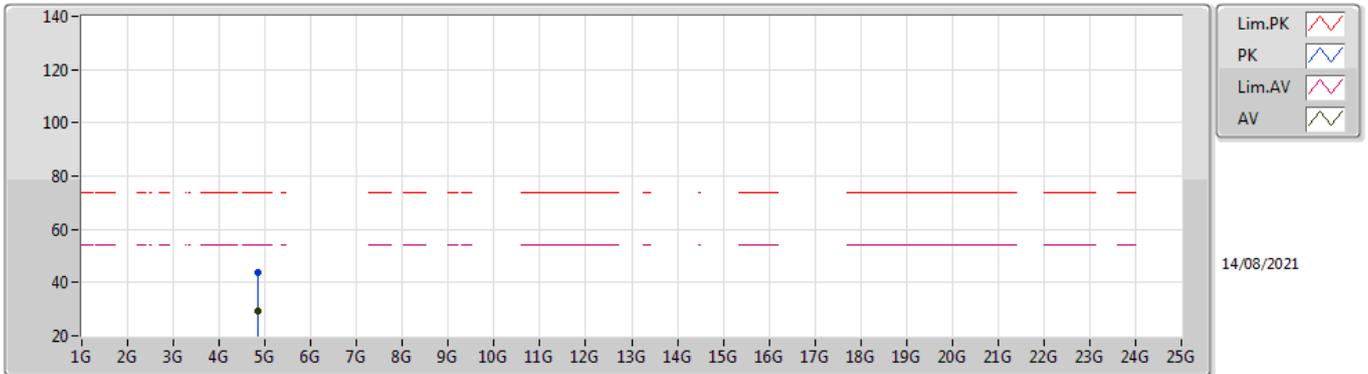


EUT Y_2TX
Setting 21
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8409G	43.11	74.00	-30.89	37.77	3	Vertical	208	1.28	-	32.86	4.70	32.22
AV	4.8439G	29.52	54.00	-24.48	24.16	3	Vertical	208	1.28	-	32.88	4.70	32.22

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

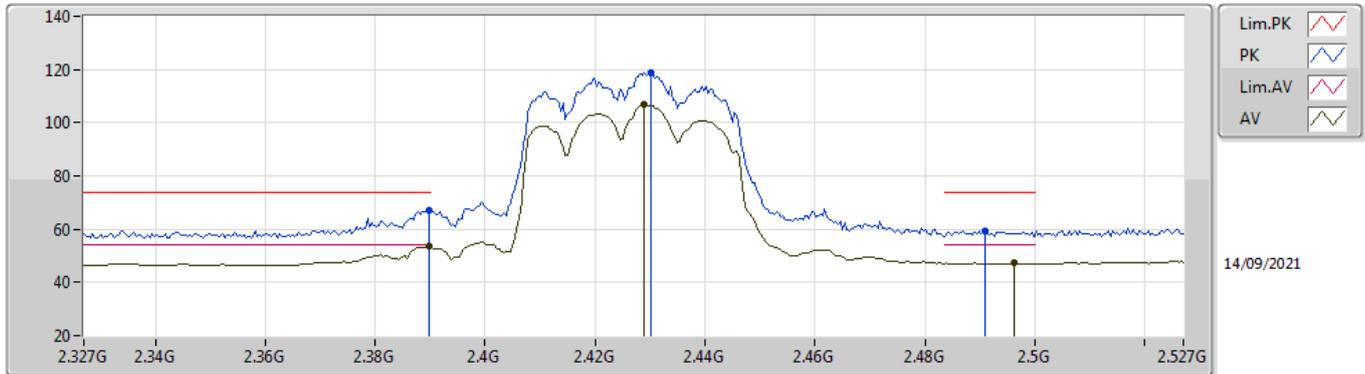


EUT Y_2TX
Setting 21
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84228G	43.78	74.00	-30.22	38.43	3	Horizontal	117	1.09	-	32.87	4.70	32.22
AV	4.84378G	29.55	54.00	-24.45	24.19	3	Horizontal	117	1.09	-	32.88	4.70	32.22

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

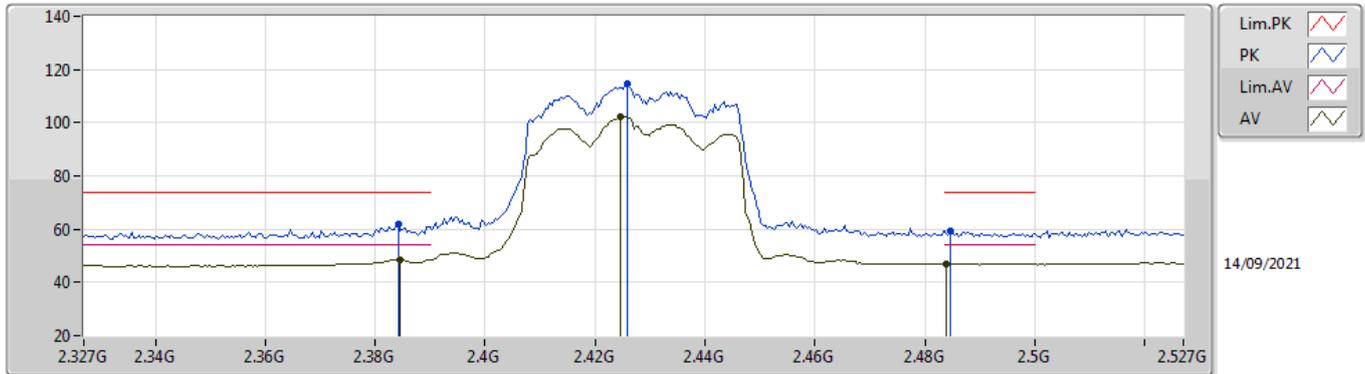


EUT Y_2TX
Setting 21
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	67.03	74.00	-6.97	36.24	3	Vertical	235	1.56	-	28.38	2.41	-
AV	2.3898G	53.50	54.00	-0.50	22.71	3	Vertical	235	1.56	-	28.38	2.41	-
PK	2.4302G	118.85	Inf	-Inf	88.03	3	Vertical	235	1.56	-	28.40	2.42	-
AV	2.429G	106.67	Inf	-Inf	75.86	3	Vertical	235	1.56	-	28.40	2.41	-
PK	2.491G	59.38	74.00	-14.62	28.37	3	Vertical	235	1.56	-	28.56	2.45	-
AV	2.4962G	47.26	54.00	-6.74	16.23	3	Vertical	235	1.56	-	28.58	2.45	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

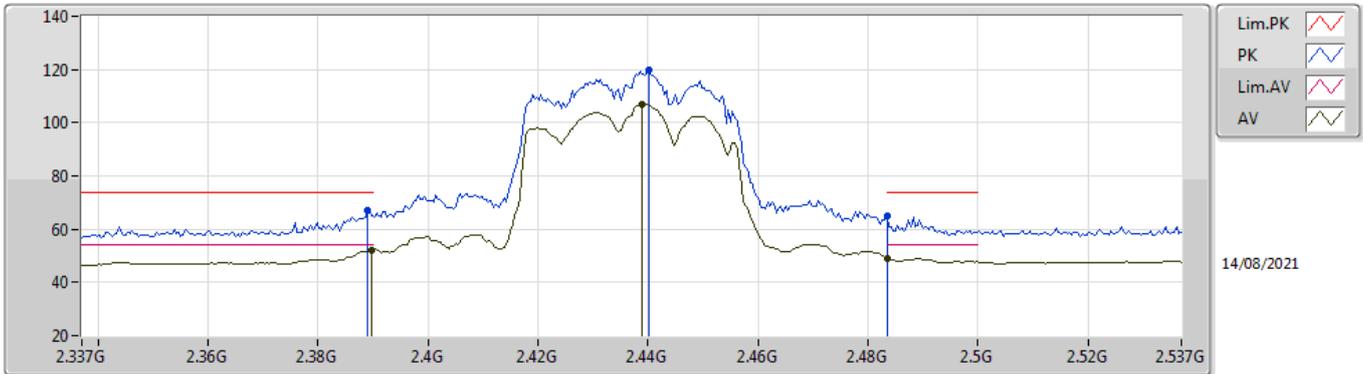


EUT V_2TX
Setting 21
02-B-S-8

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	2.3842G	61.70	74.00	-12.30	30.92	3	Horizontal	13	1.20	-	28.37	2.41	-
AV	2.3846G	48.49	54.00	-5.51	17.71	3	Horizontal	13	1.20	-	28.37	2.41	-
PK	2.4258G	114.44	Inf	-Inf	83.63	3	Horizontal	13	1.20	-	28.40	2.41	-
AV	2.4246G	102.26	Inf	-Inf	71.45	3	Horizontal	13	1.20	-	28.40	2.41	-
PK	2.4846G	59.23	74.00	-14.77	28.25	3	Horizontal	13	1.20	-	28.54	2.44	-
AV	2.4838G	46.93	54.00	-7.07	15.95	3	Horizontal	13	1.20	-	28.54	2.44	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

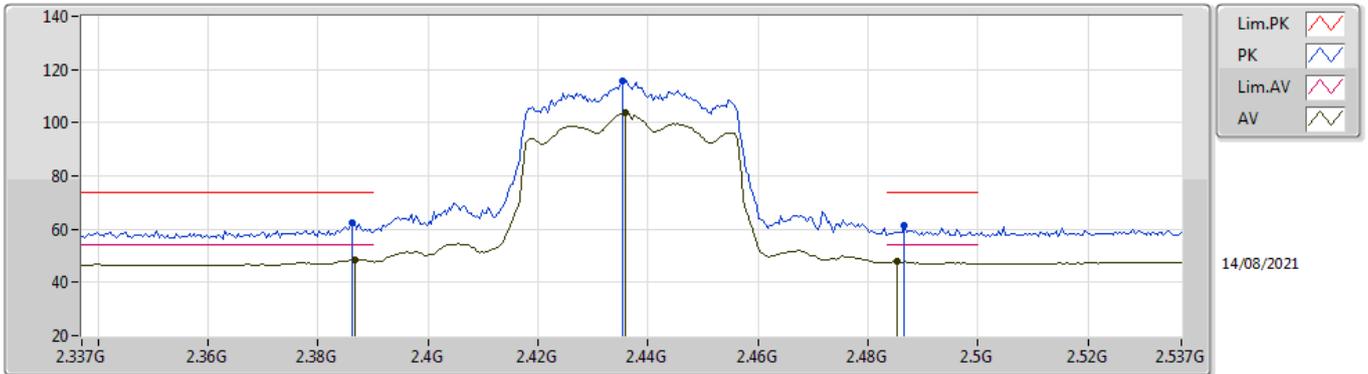


EUT_V_2TX
Setting 22
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	67.31	74.00	-6.69	36.52	3	Vertical	249	1.80	-	28.38	2.41	-
AV	2.3898G	52.21	54.00	-1.79	21.42	3	Vertical	249	1.80	-	28.38	2.41	-
PK	2.4402G	119.88	Inf	-Inf	89.06	3	Vertical	249	1.80	-	28.40	2.42	-
AV	2.439G	106.96	Inf	-Inf	76.14	3	Vertical	249	1.80	-	28.40	2.42	-
PK	2.4835G	65.23	74.00	-8.77	34.26	3	Vertical	249	1.80	-	28.53	2.44	-
AV	2.4835G	49.05	54.00	-4.95	18.08	3	Vertical	249	1.80	-	28.53	2.44	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

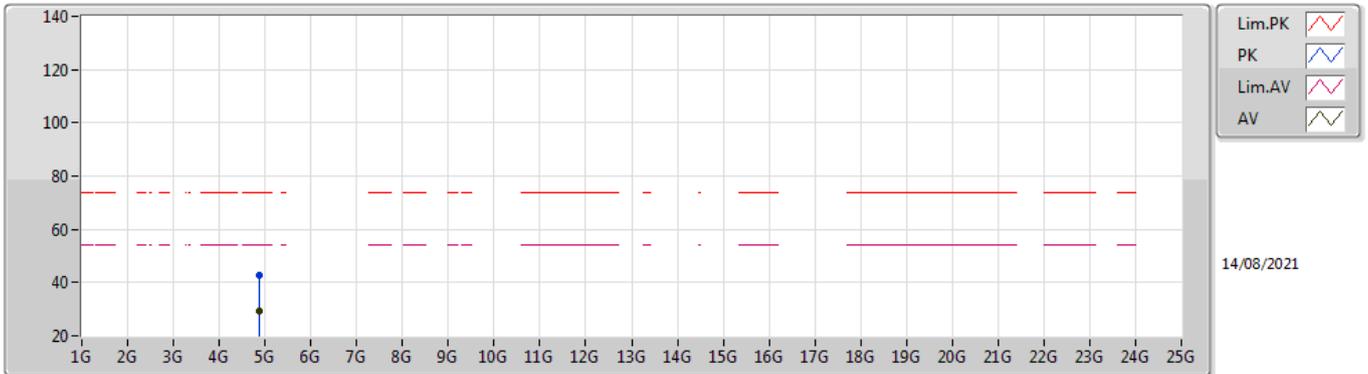


EUT V_2TX
Setting 22
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3862G	62.43	74.00	-11.57	31.65	3	Horizontal	34	1.00	-	28.37	2.41	-
AV	2.3866G	48.56	54.00	-5.44	17.78	3	Horizontal	34	1.00	-	28.37	2.41	-
PK	2.4354G	115.67	Inf	-Inf	84.85	3	Horizontal	34	1.00	-	28.40	2.42	-
AV	2.4358G	103.64	Inf	-Inf	72.82	3	Horizontal	34	1.00	-	28.40	2.42	-
PK	2.4866G	61.36	74.00	-12.64	30.37	3	Horizontal	34	1.00	-	28.55	2.44	-
AV	2.4854G	47.82	54.00	-6.18	16.84	3	Horizontal	34	1.00	-	28.54	2.44	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

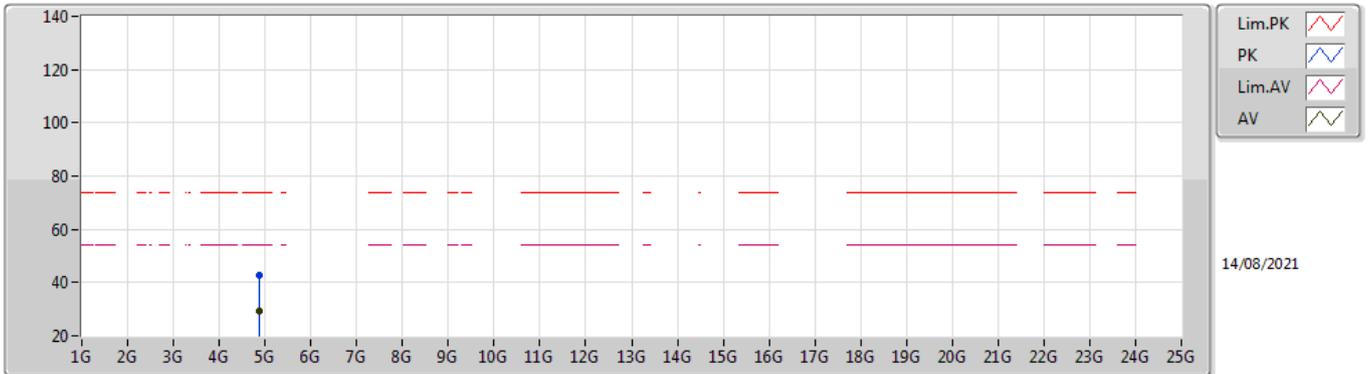


EUT Y_2TX
Setting 22
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87856G	42.63	74.00	-31.37	37.17	3	Vertical	159	2.44	-	32.96	4.70	32.20
AV	4.87588G	29.39	54.00	-24.61	23.94	3	Vertical	159	2.44	-	32.95	4.70	32.20

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

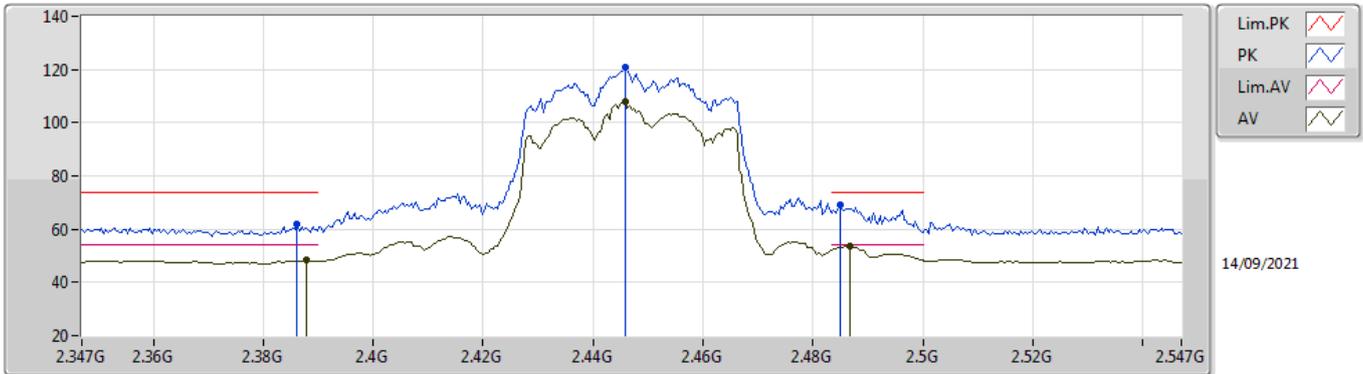


EUT Y_2TX
Setting 22
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86954G	42.53	74.00	-31.47	37.10	3	Horizontal	225	2.43	-	32.94	4.70	32.21
AV	4.87034G	29.37	54.00	-24.63	23.94	3	Horizontal	225	2.43	-	32.94	4.70	32.21

802.11ax HEW40_Nss1,(MCS0)_2TX

2447MHz_TX

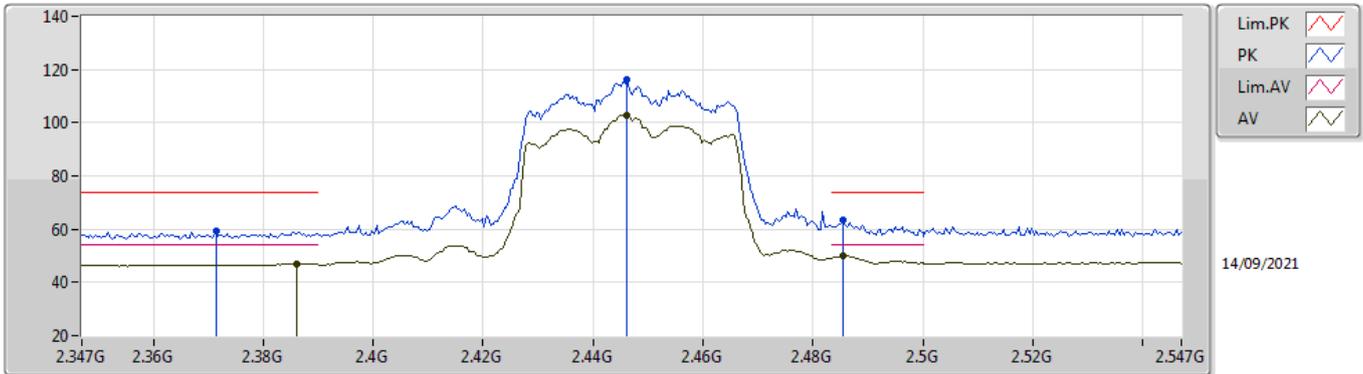


EUT V_2TX
Setting 22
02-B-S-8

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	2.3862G	61.99	74.00	-12.01	31.21	3	Vertical	198	1.84	-	28.37	2.41	-
AV	2.3878G	48.19	54.00	-5.81	17.40	3	Vertical	198	1.84	-	28.38	2.41	-
PK	2.4458G	120.95	Inf	-Inf	90.13	3	Vertical	198	1.84	-	28.40	2.42	-
AV	2.4458G	107.93	Inf	-Inf	77.11	3	Vertical	198	1.84	-	28.40	2.42	-
PK	2.485G	69.12	74.00	-4.88	38.14	3	Vertical	198	1.84	-	28.54	2.44	-
AV	2.4866G	53.62	54.00	-0.38	22.63	3	Vertical	198	1.84	-	28.55	2.44	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2447MHz_TX

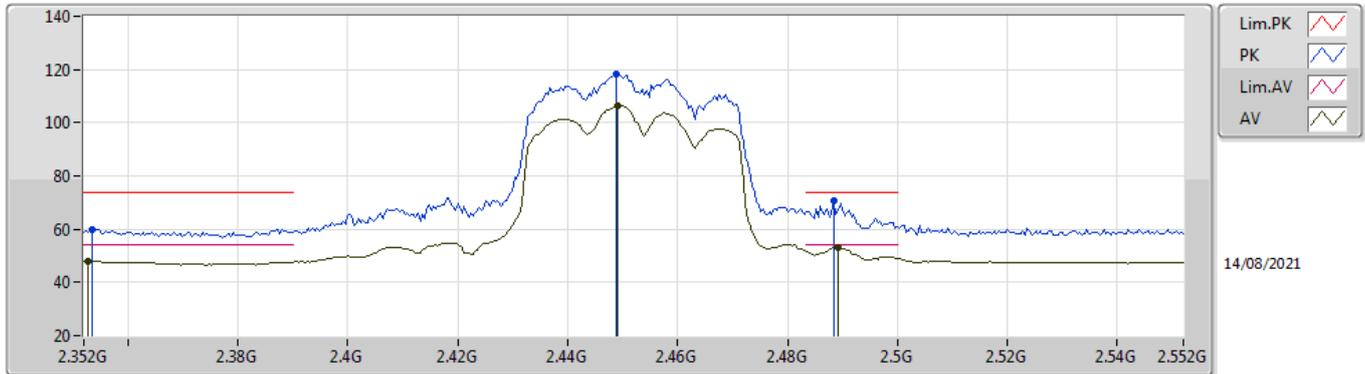


EUT V_2TX
Setting 22
02-B-S-8

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	2.3714G	59.40	74.00	-14.60	28.65	3	Horizontal	33	1.36	-	28.34	2.41	-
AV	2.3862G	47.03	54.00	-6.97	16.25	3	Horizontal	33	1.36	-	28.37	2.41	-
PK	2.4462G	116.05	Inf	-Inf	85.23	3	Horizontal	33	1.36	-	28.40	2.42	-
AV	2.4462G	102.86	Inf	-Inf	72.04	3	Horizontal	33	1.36	-	28.40	2.42	-
PK	2.4854G	63.66	74.00	-10.34	32.68	3	Horizontal	33	1.36	-	28.54	2.44	-
AV	2.4854G	50.02	54.00	-3.98	19.04	3	Horizontal	33	1.36	-	28.54	2.44	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

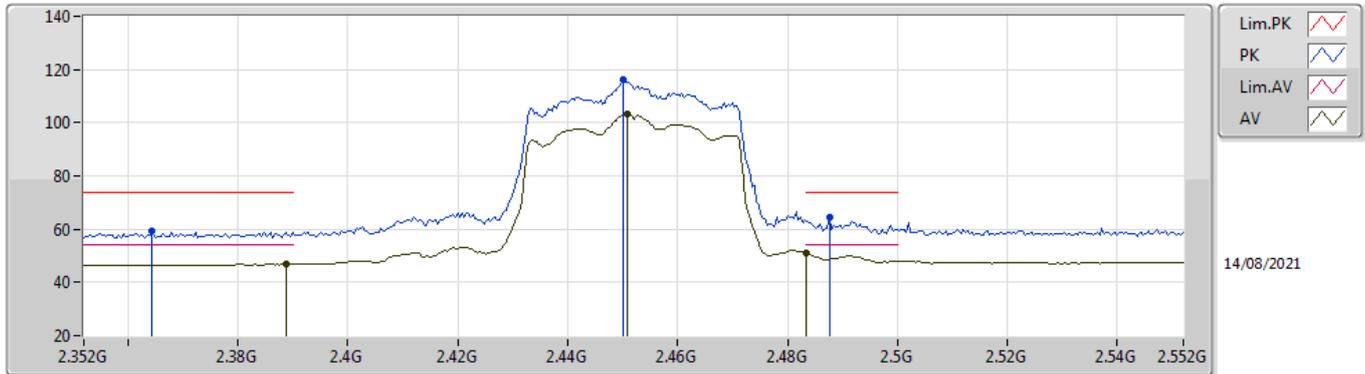


EUT V_2TX
Setting 22
02-B-R-5

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	2.3536G	60.05	74.00	-13.95	29.32	3	Vertical	212	1.82	-	28.31	2.42	-
AV	2.3528G	48.03	54.00	-5.97	17.30	3	Vertical	212	1.82	-	28.31	2.42	-
PK	2.4488G	118.10	Inf	-Inf	87.28	3	Vertical	212	1.82	-	28.40	2.42	-
AV	2.4492G	106.30	Inf	-Inf	75.48	3	Vertical	212	1.82	-	28.40	2.42	-
PK	2.4884G	70.53	74.00	-3.47	39.54	3	Vertical	212	1.82	-	28.55	2.44	-
AV	2.4892G	53.18	54.00	-0.82	22.18	3	Vertical	212	1.82	-	28.56	2.44	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

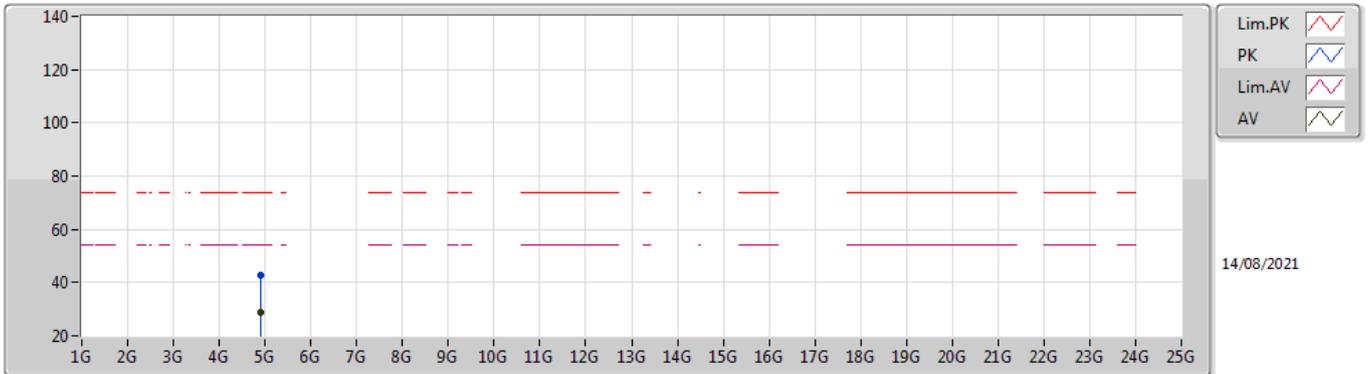


EUT Y_2TX
Setting 22
02-B-R-5

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	2.3644G	59.12	74.00	-14.88	28.37	3	Horizontal	36	1.15	-	28.33	2.42	-
AV	2.3888G	47.00	54.00	-7.00	16.21	3	Horizontal	36	1.15	-	28.38	2.41	-
PK	2.45G	116.04	Inf	-Inf	85.22	3	Horizontal	36	1.15	-	28.40	2.42	-
AV	2.4508G	103.29	Inf	-Inf	72.46	3	Horizontal	36	1.15	-	28.40	2.43	-
PK	2.4876G	64.44	74.00	-9.56	33.45	3	Horizontal	36	1.15	-	28.55	2.44	-
AV	2.4835G	50.91	54.00	-3.09	19.94	3	Horizontal	36	1.15	-	28.53	2.44	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

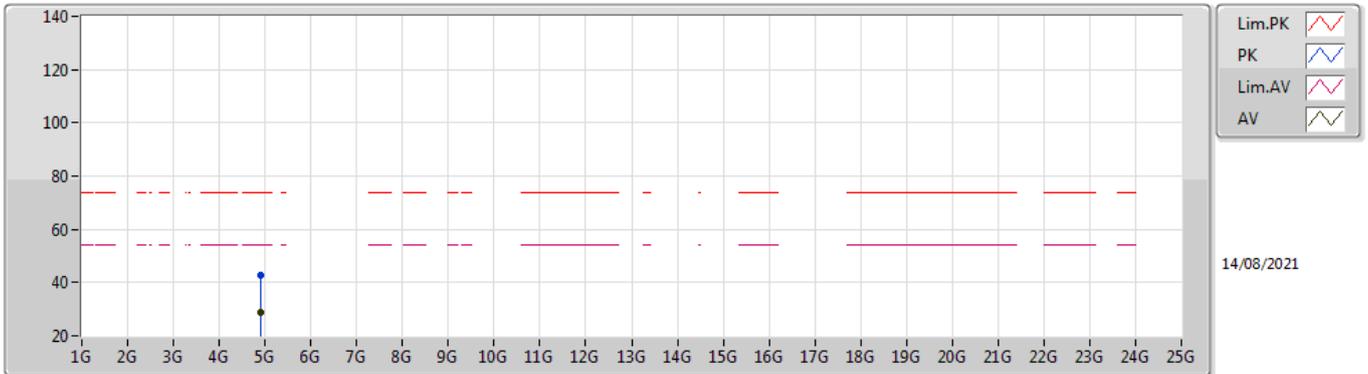


EUT Y_2TX
Setting 22
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90388G	42.89	74.00	-31.11	37.36	3	Vertical	197	1.75	-	33.02	4.70	32.19
AV	4.9046G	28.85	54.00	-25.15	23.31	3	Vertical	197	1.75	-	33.03	4.70	32.19

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT Y_2TX
Setting 22
02-B-R-5

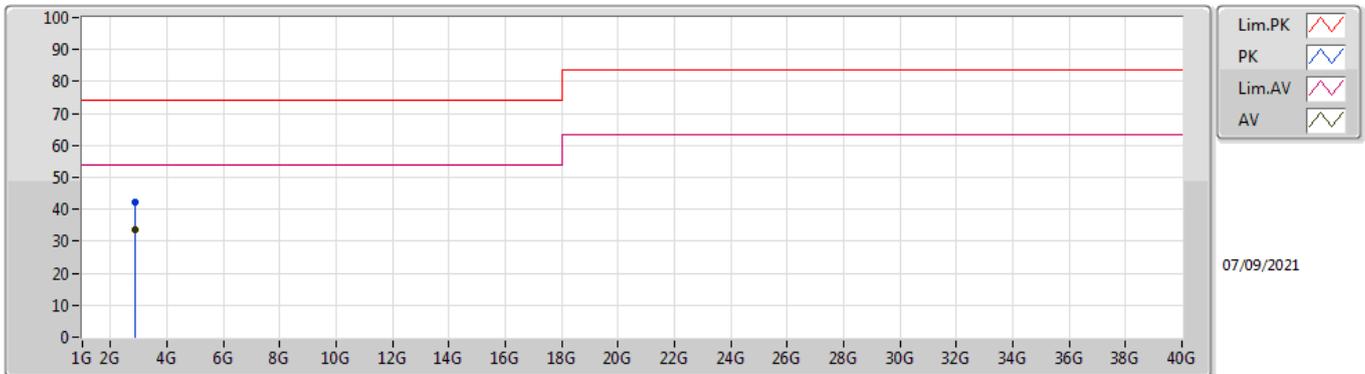
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90686G	42.57	74.00	-31.43	37.02	3	Horizontal	222	2.92	-	33.04	4.70	32.19
AV	4.9066G	28.89	54.00	-25.11	23.34	3	Horizontal	222	2.92	-	33.04	4.70	32.19



Summary

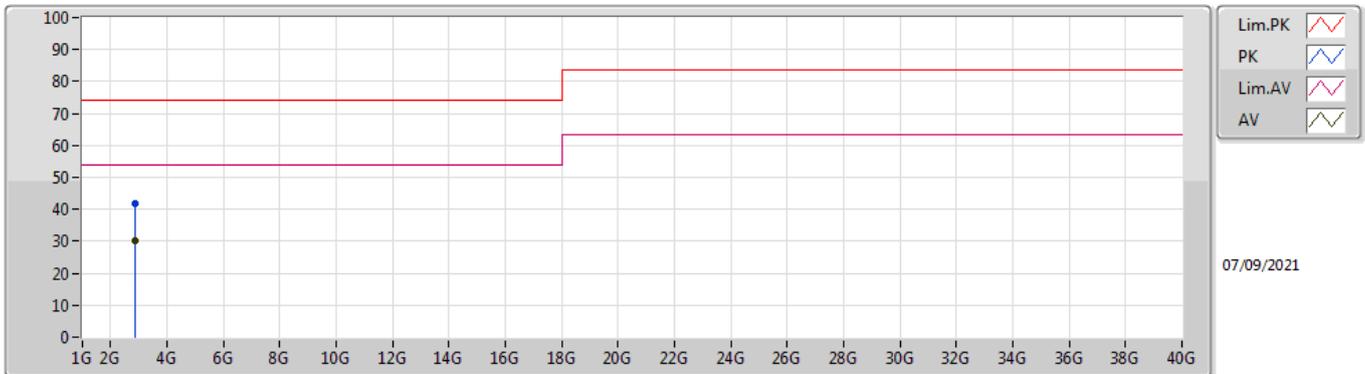
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.87993G	33.57	54.00	-20.43	Vertical

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)
AV	2.87993G	33.57	54.00	-20.43	-1.32	3	Vertical	204	1.13	"Worst"	34.89	28.26	3.70	33.28
PK	2.87993G	42.23	74.00	-31.77	-1.32	3	Vertical	204	1.13	-	43.55	28.26	3.70	33.28

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	2.88221G	41.82	74.00	-32.18	-1.32	3	Horizontal	205	1.00	-	43.14	28.26	3.70	33.28
AV	2.88007G	30.25	54.00	-23.75	-1.32	3	Horizontal	205	1.00	"Worst"	31.57	28.26	3.70	33.28