



RADIO TEST REPORT

FCC ID : VW3FAST399V2
Equipment : Wireless Home Router
Brand Name : SAGEMCOM
Model Name : FAST 399
Applicant : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Manufacturer : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 07, 2022, and testing was started from Nov. 08, 2022 and completed on Jan. 05, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

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



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Photographs of EUT v01



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: Penny Kao



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	3TX
2.4-2.4835GHz	802.11g	20	3TX
2.4-2.4835GHz	802.11n HT20	20	3TX
2.4-2.4835GHz	802.11n HT20-BF	20	3TX
2.4-2.4835GHz	VHT20	20	3TX
2.4-2.4835GHz	VHT20-BF	20	3TX
2.4-2.4835GHz	802.11ax HEW20	20	3TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	3TX
2.4-2.4835GHz	802.11n HT40	40	3TX
2.4-2.4835GHz	802.11n HT40-BF	40	3TX
2.4-2.4835GHz	VHT40	40	3TX
2.4-2.4835GHz	VHT40-BF	40	3TX
2.4-2.4835GHz	802.11ax HEW40	40	3TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	3TX

Note:

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



1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Type	Connector	Gain (dBi)	Remark
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz						
1	3	3	-	Galtronics	02102140-07501-1 DB1	PCB	I-Pex	Note1	WLAN 2.4GHz, WLAN 5GHz UNII 1, 3
2	2	2	-	Galtronics	02102140-07501-2 DB2	PCB	I-Pex		WLAN 2.4GHz, WLAN 5GHz UNII 1, 3
3	1	1	-	Galtronics	02102140-07501-3 DB3	PCB	I-Pex		WLAN 2.4GHz, WLAN 5GHz UNII 1, 3
4	-	4	-	Galtronics	02102142-07501 5G	PCB	I-Pex		WLAN 5GHz UNII 1, 3
5	-	-	1	Galtronics	02102475-07501B1 6G1 (HPOLOMNI)	PCB	I-Pex		WLAN 6GHz UNII 5~8
6	-	-	2	Galtronics	02102475-07501B2 6G2 (HPOLOMNI)	PCB	I-Pex		WLAN 6GHz UNII 5~8
7	-	-	3	Galtronics	02102475-07501A1 6G3	PCB	I-Pex		WLAN 6GHz UNII 5~8
8	-	-	4	Galtronics	02102475-07501A2 6G4	PCB	I-Pex		WLAN 6GHz UNII 5~8

Note1:

Ant.	Gain (dBi)					
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 6GHz UNII 5~8
1	3.12	3.32	3.31	2.65	3.66	-
2	1.24	2.27	1.97	2.31	2.46	-
3	3.18	3.33	2.68	2.36	2.01	-
4	-	4.9	3.67	3.24	3.22	-
5	-	-	-	-	-	5.519
6	-	-	-	-	-	3.588
7	-	-	-	-	-	4.972
8	-	-	-	-	-	6.680
Directional Gain (dBi) (3T1S)	3.41	-	-	-	-	-
Directional Gain (dBi) (4T1S)	-	5.13	4.03	4.01	4.42	-

Note2: The above information (except Ant.1~4 gain) was declared by manufacturer.

Note3: The directional gain of WLAN 2.4GHz,5GHz is measured which follows the procedure of KDB 662911 D03.

Note4: The DFS band doesn't enable at this time.

Note5: <WLAN 2.4GHz function>

802.11 b/g/n/VHT/ax mode (3TX/3RX):

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

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

<WLAN 5GHz function>

802.11a/n/ac/ax mode (4TX/4RX):

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

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

<WLAN 6GHz function>

802.11ax mode (4TX/4RX):

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

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



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.936	0.29	8.42m	300
802.11g	0.548	2.61	130u	10k
802.11ax HEW20	0.917	0.38	318.75u	10k
802.11ax HEW40	0.904	0.44	306.25u	10k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for 802.11n/VHT/ax in 2.4GHz, 802.11n/ac/ax in 5GHz and 802.11ax in 6GHz.			
Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Support RU	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/>	Partial RU
Test Software Version	accessMtool(version 3.2.1.3)			

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

- ◆ FCC KDB 558074 D01 v05r02
- ◆ FCC KDB 662911 D03 v01
- ◆ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.6-24.1 / 58-64	Nov. 12, 2022~ Nov. 26, 2022
Radiated > 1GHz	03CH02-CB	Ederson Huang	22.9~23.9 / 53~56	Nov. 08, 2022~ Jan. 05, 2023
Radiated < 1GHz	03CH03-CB	Ederson Huang	22.1~23.8 / 63~67	Nov. 08, 2022~ Jan. 05, 2023
Radiated (Co-location)	03CH06-CB	Ederson Huang	22.9~24 / 54~57	Nov. 08, 2022~ Jan. 05, 2023
AC Conduction	CO01-CB	Peter Wu	22~23 / 57~58	Dec. 29, 2022



1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_3TX	-
2412MHz	97
2437MHz	100
2457MHz	96
2462MHz	94
802.11g_Nss1,(6Mbps)_3TX	-
2412MHz	76
2417MHz	81
2437MHz	94
2457MHz	77
2462MHz	74
802.11ax HEW20_Nss1,(MCS0)_3TX	-
2412MHz	72
2417MHz	77
2437MHz	96
2457MHz	76
2462MHz	69
802.11ax HEW40_Nss1,(MCS0)_3TX	-
2422MHz	69
2437MHz	75
2452MHz	65
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	-
2412MHz	72
2417MHz	77
2437MHz	96
2457MHz	76
2462MHz	69
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	-
2422MHz	69
2437MHz	75
2452MHz	65

Note:

- ◆ HEW20/HEW40 covers HT20/HT40/VHT20/VHT40, due to similar modulation. The power setting for HT20/HT40/VHT20/VHT40 are the same or lower than HEW20/HEW40.
- ◆ The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been selected to execute all tests. The beamforming mode evaluates the output power only.



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	CTX
1	EUT_WLAN 2.4GHz + Adapter
2	EUT_WLAN 5GHz + Adapter
3	EUT_WLAN 6GHz + Adapter
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX After evaluating, the worst case was found at Y axis, thus the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz + Adapter
2	EUT in Y axis_WLAN 5GHz + Adapter
3	EUT in Y axis_WLAN 6GHz + Adapter
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX After evaluating, the worst case was found at Y axis, thus the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	CTX
	After evaluating, the worst case was found at Y axis, thus the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz UNII 1, 3 + WLAN 6GHz UNII 5~8
Refer to Sporton Test Report No.: FA170737-06 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	MOSO	MSG-V2500NR120-030E0-US	INPUT: 100-127V~ 50/60Hz, 1.0A Max. OUTPUT: 12.0V, 2.5A

2.5 Support Equipment

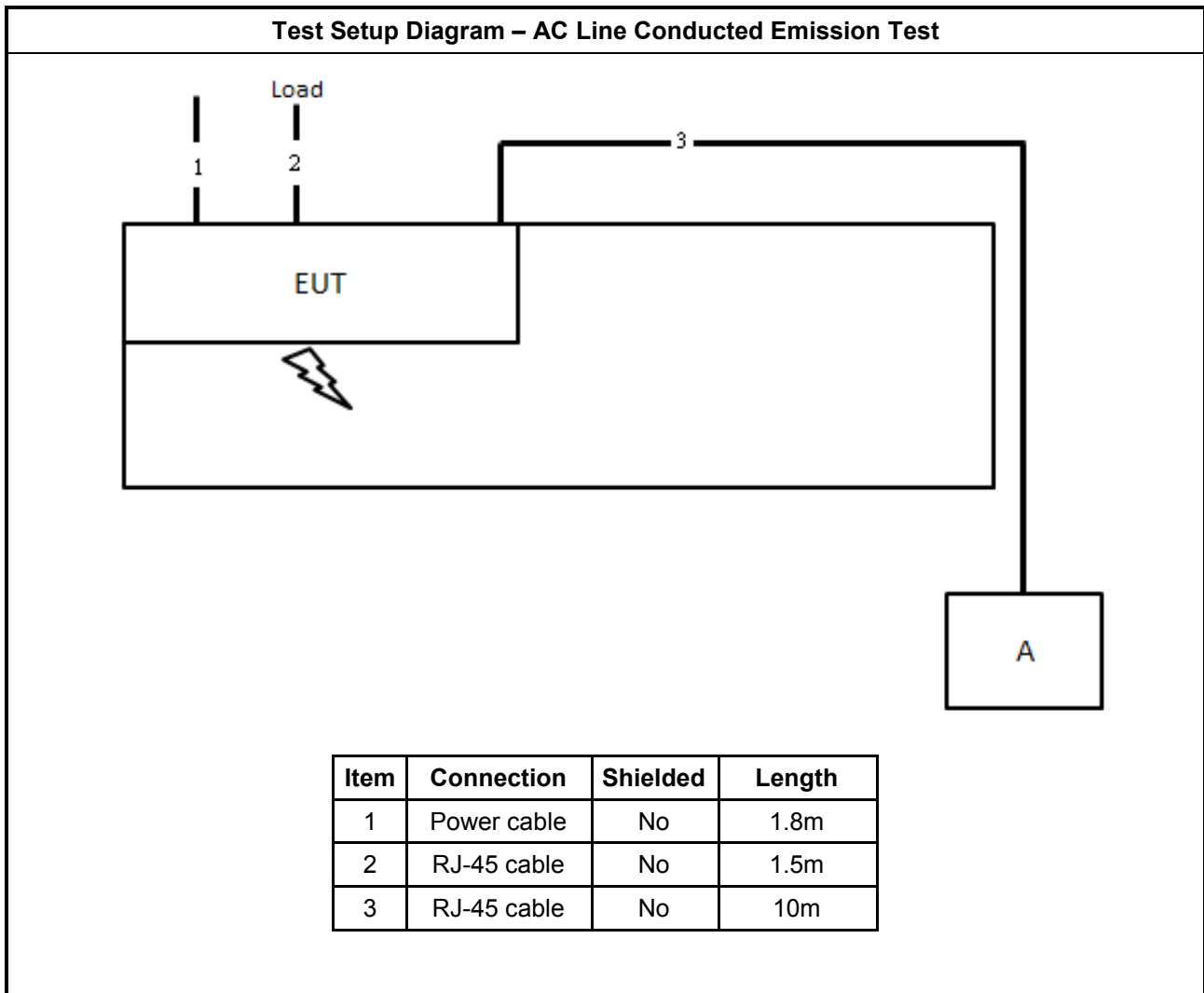
For AC Conduction:

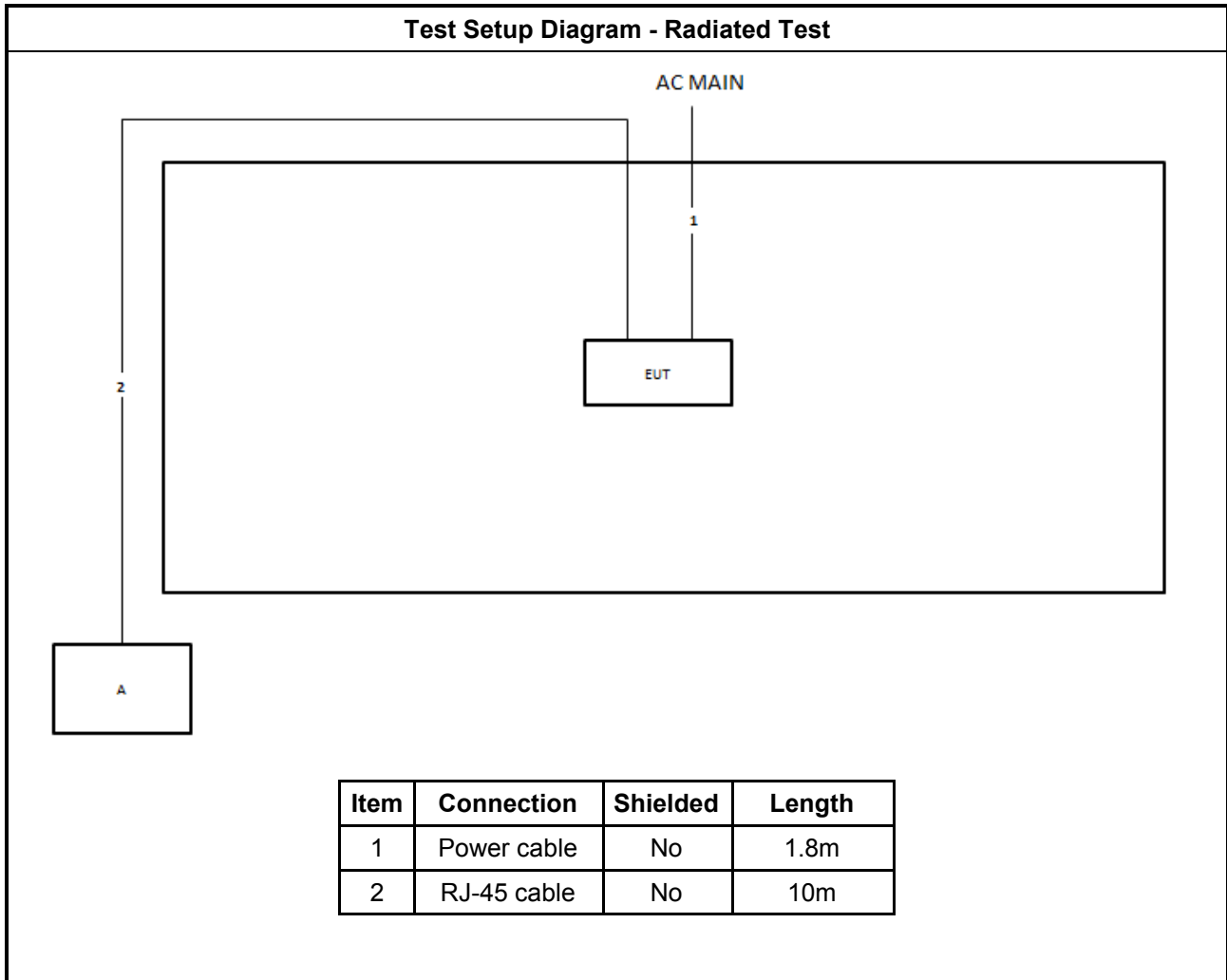
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	PP13S	N/A

For Radiated and RF Conducted:

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

2.6 Test Setup Diagram







3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

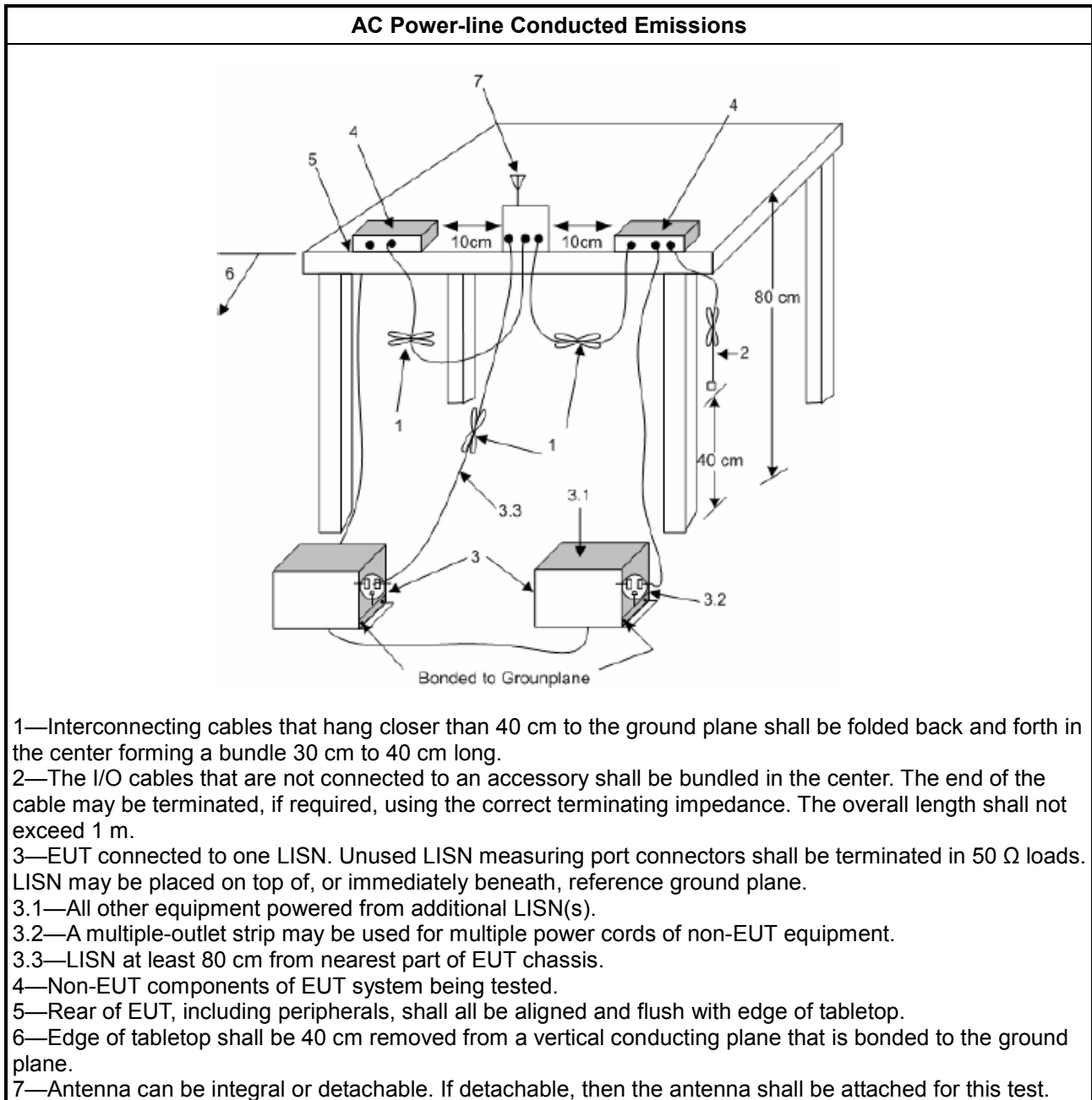
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

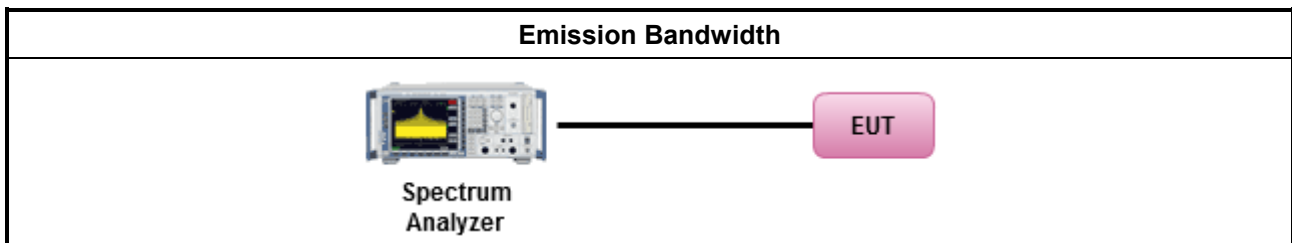
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

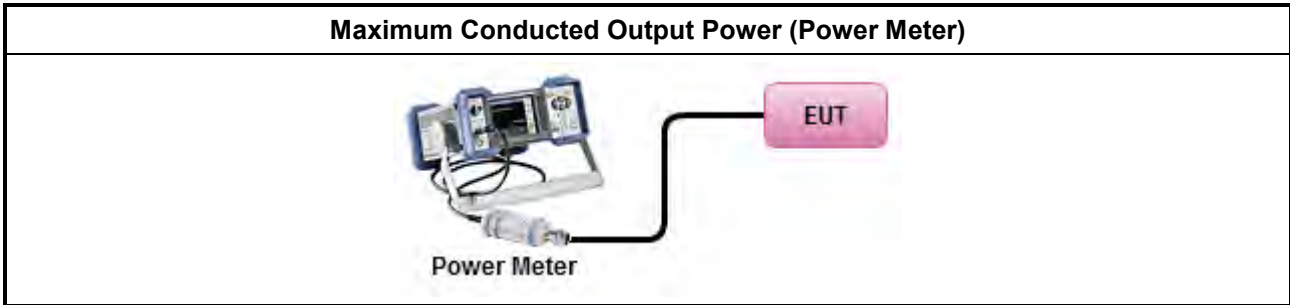
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

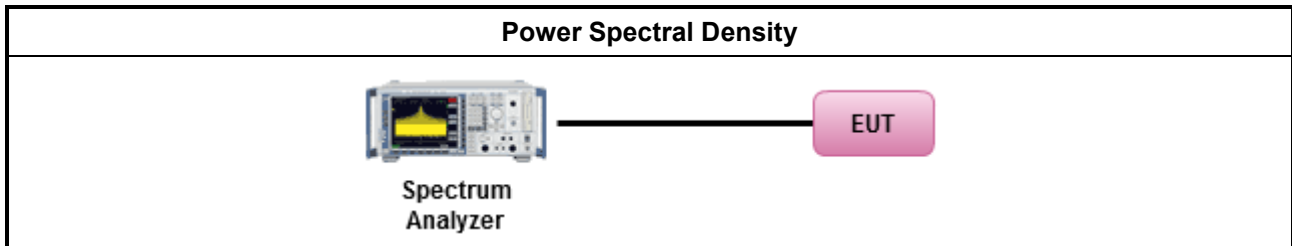
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

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

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

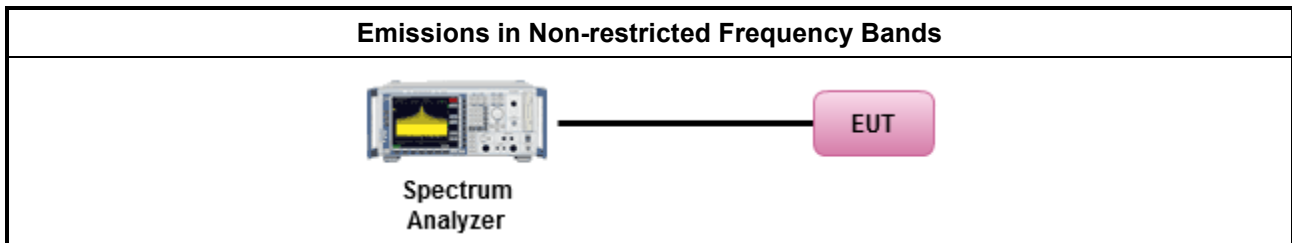
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E



3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

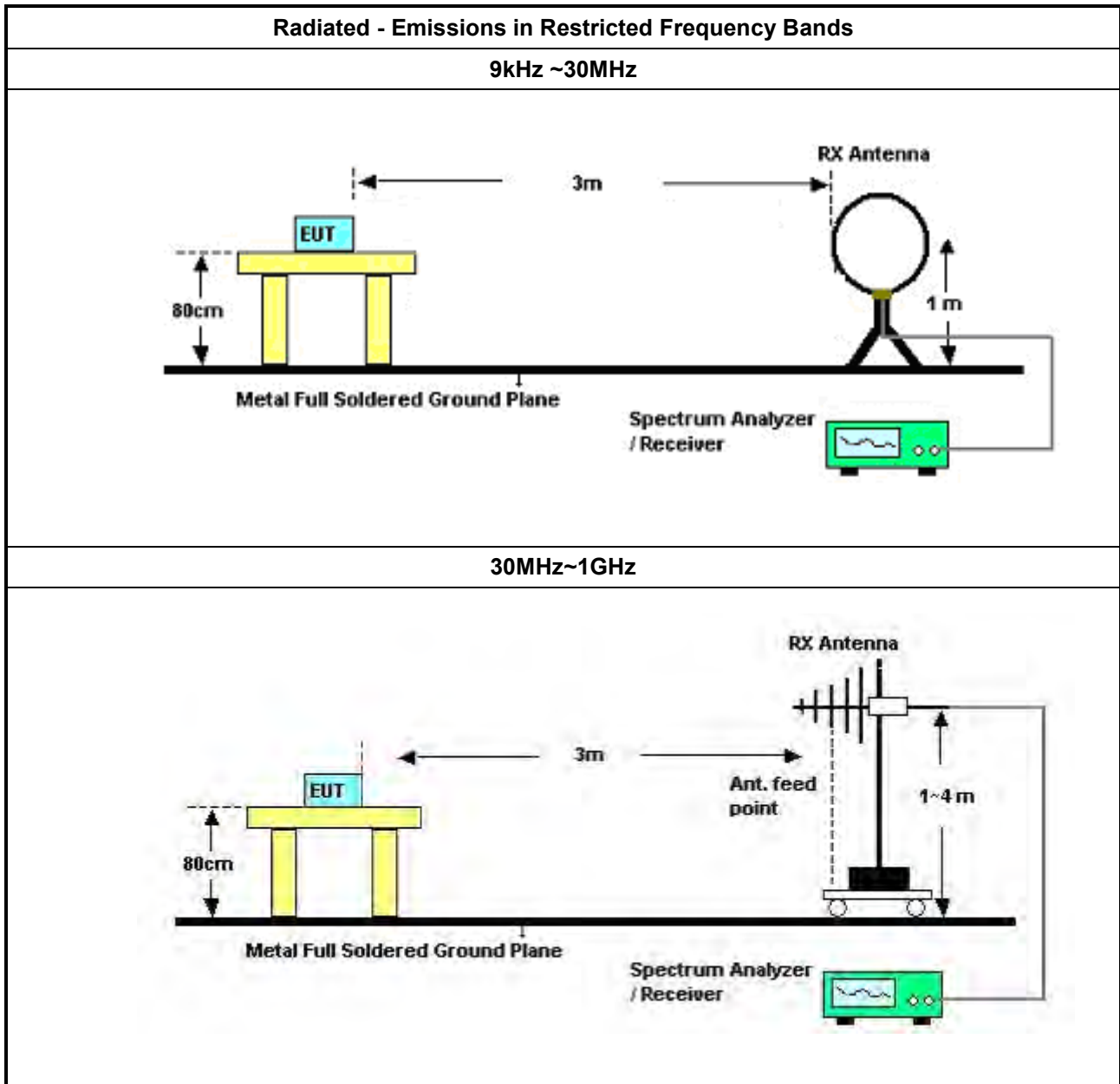
Refer a test equipment and calibration data table in this test report.

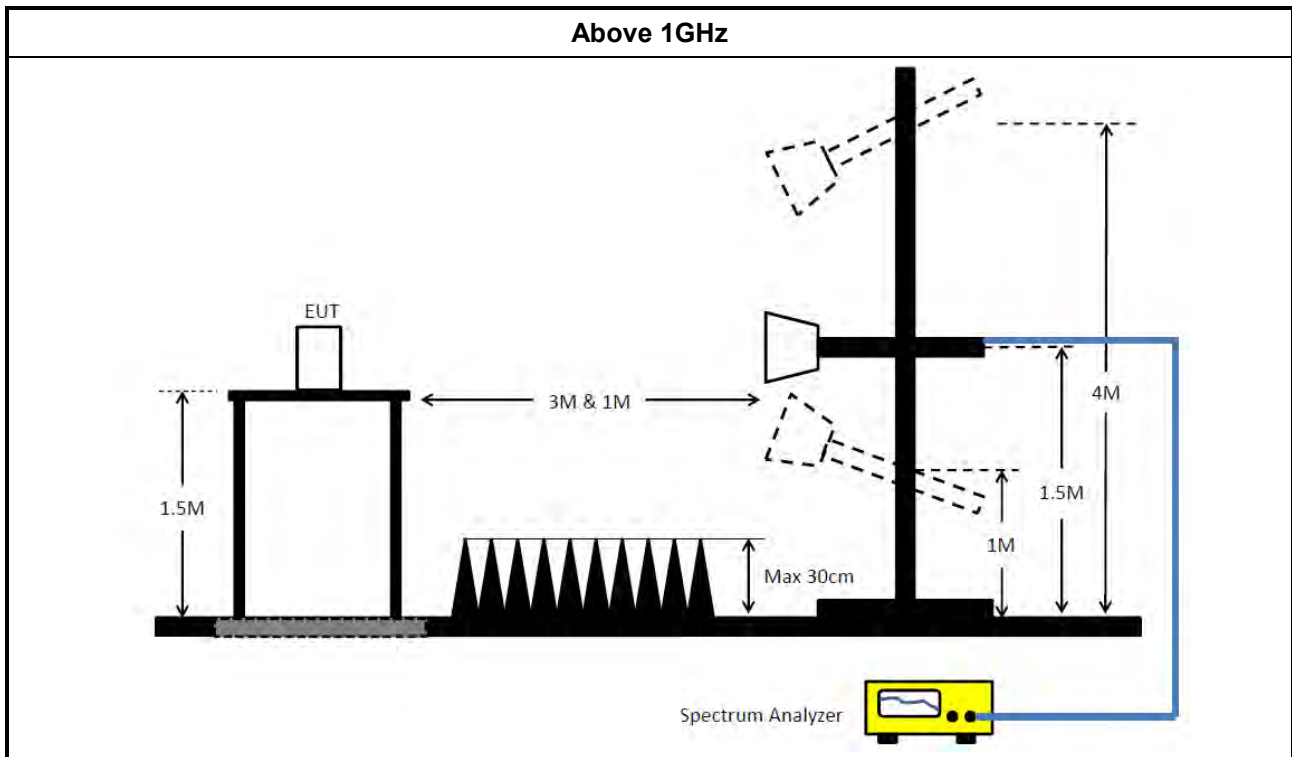


3.6.3 Test Procedures

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

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Sep. 30, 2022	Sep. 29, 2023	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 09, 2022	Aug. 08, 2023	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug 02, 2022	Aug 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	Aug. 23 2022	Aug. 22 2023	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-67	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05+67	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)
Pre-Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	Aug. 23 2022	Aug. 22 2023	Radiation (03CH02-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

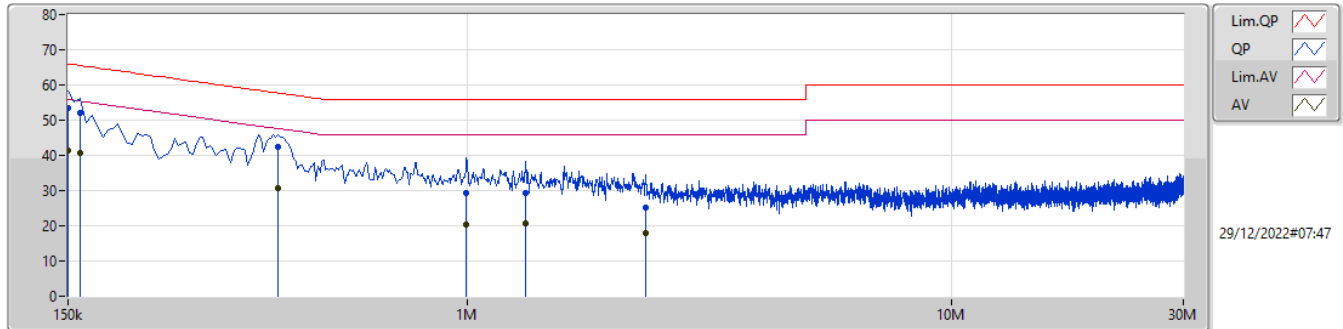
NCR means Non-Calibration required



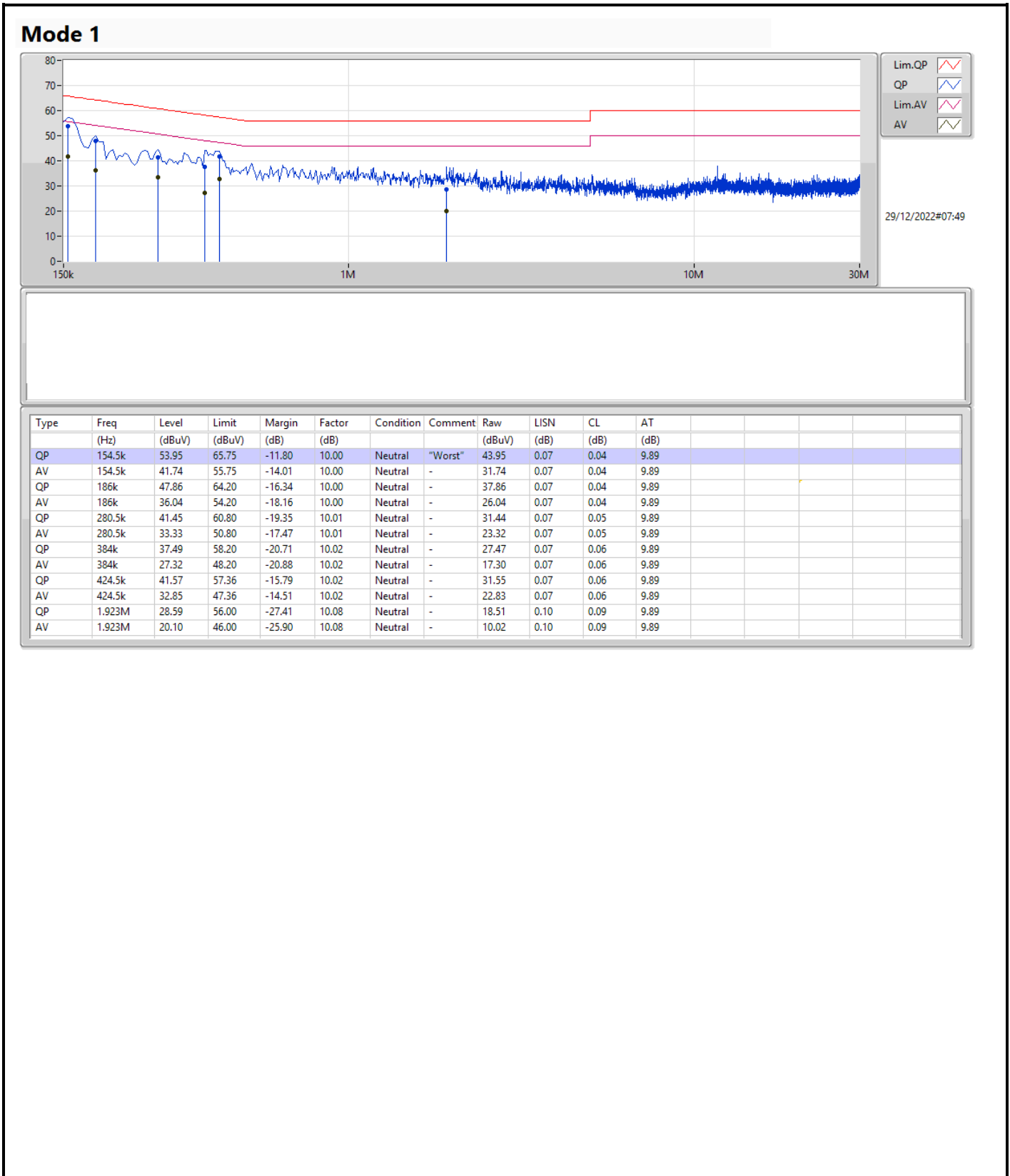
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	154.5k	53.95	65.75	-11.80	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	150k	53.37	66.00	-12.63	9.99	Line	"Worst"	43.38	0.06	0.04	9.89
AV	150k	41.38	56.00	-14.62	9.99	Line	-	31.39	0.06	0.04	9.89
QP	159k	52.16	65.52	-13.36	9.99	Line	-	42.17	0.06	0.04	9.89
AV	159k	40.72	55.52	-14.80	9.99	Line	-	30.73	0.06	0.04	9.89
QP	406.5k	42.55	57.72	-15.17	10.01	Line	-	32.54	0.06	0.06	9.89
AV	406.5k	30.82	47.72	-16.90	10.01	Line	-	20.81	0.06	0.06	9.89
QP	996k	29.38	56.00	-26.62	10.00	Line	-	19.38	0.07	0.04	9.89
AV	996k	20.41	46.00	-25.59	10.00	Line	-	10.41	0.07	0.04	9.89
QP	1.316M	29.28	56.00	-26.72	10.03	Line	-	19.25	0.08	0.06	9.89
AV	1.316M	20.83	46.00	-25.17	10.03	Line	-	10.80	0.08	0.06	9.89
QP	2.333M	25.31	56.00	-30.69	10.08	Line	-	15.23	0.10	0.09	9.89
AV	2.333M	17.88	46.00	-28.12	10.08	Line	-	7.80	0.10	0.09	9.89



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)_3TX	7.525M	12.025M	12M0G1D	6.55M	10.46M
802.11g_Nss1,(6Mbps)_3TX	16.35M	17.084M	17M1D1D	16.3M	16.585M
802.11ax HEW20_Nss1,(MCS0)_3TX	19M	19.191M	19M2D1D	18.65M	18.948M
802.11ax HEW40_Nss1,(MCS0)_3TX	37.7M	37.58M	37M6D1D	37M	37.475M

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

Result

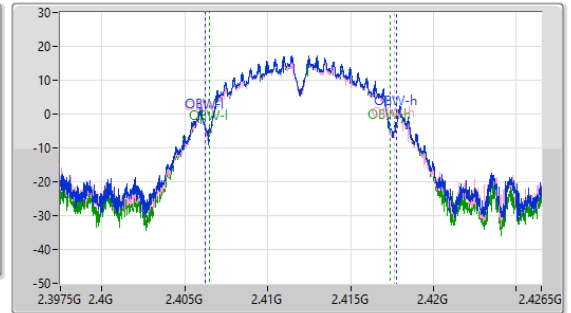
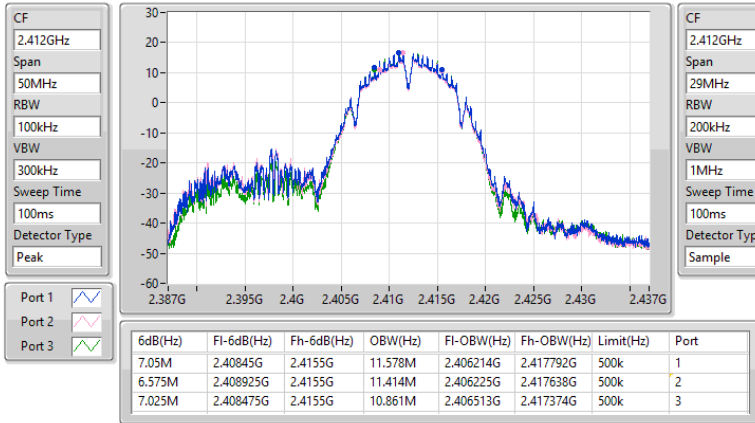
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	11.578M	6.575M	11.414M	7.025M	10.861M
2437MHz	Pass	500k	7.5M	12.025M	6.55M	11.859M	7.525M	11.668M
2462MHz	Pass	500k	7.05M	10.507M	7.025M	10.569M	6.55M	10.46M
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.585M	16.325M	16.585M	16.35M	16.608M
2437MHz	Pass	500k	16.35M	16.761M	16.325M	17.084M	16.325M	16.762M
2462MHz	Pass	500k	16.35M	16.586M	16.3M	16.59M	16.35M	16.602M
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.95M	18.999M	18.95M	18.994M	18.95M	18.948M
2437MHz	Pass	500k	18.75M	19.122M	18.85M	19.191M	18.65M	19.092M
2462MHz	Pass	500k	19M	18.971M	18.925M	18.979M	18.95M	18.948M
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.45M	37.508M	37.45M	37.475M	37.3M	37.579M
2437MHz	Pass	500k	37.7M	37.58M	37.45M	37.576M	37M	37.556M
2452MHz	Pass	500k	37.65M	37.576M	37.25M	37.565M	37.35M	37.537M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX
2412MHz

EBW

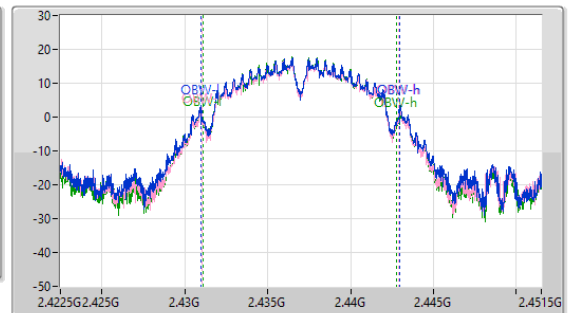
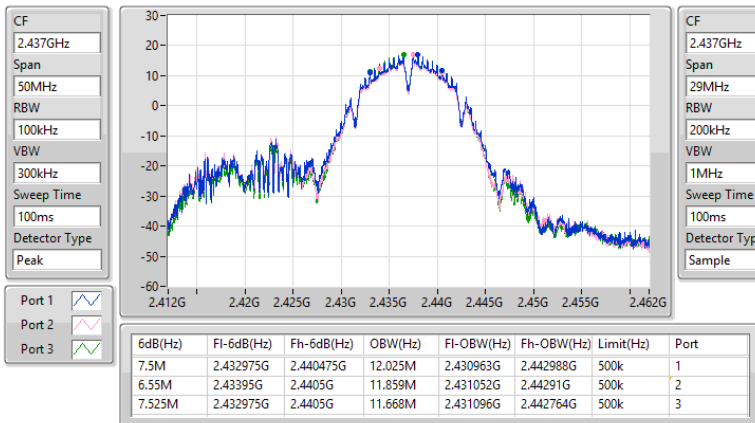
26/11/2022



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX
2437MHz

EBW

26/11/2022

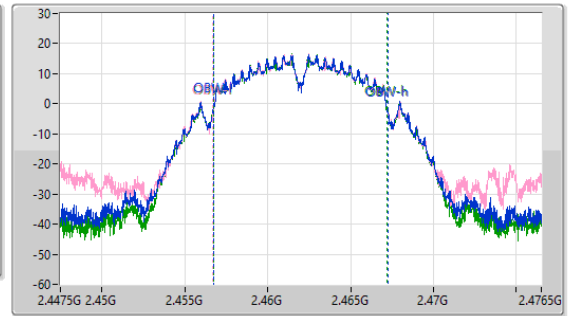
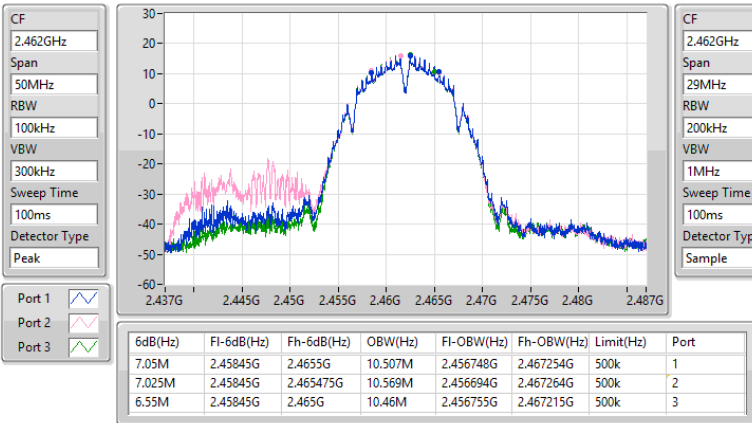


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

EBW

2462MHz

26/11/2022

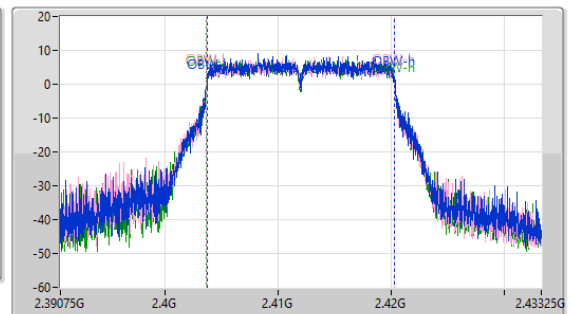
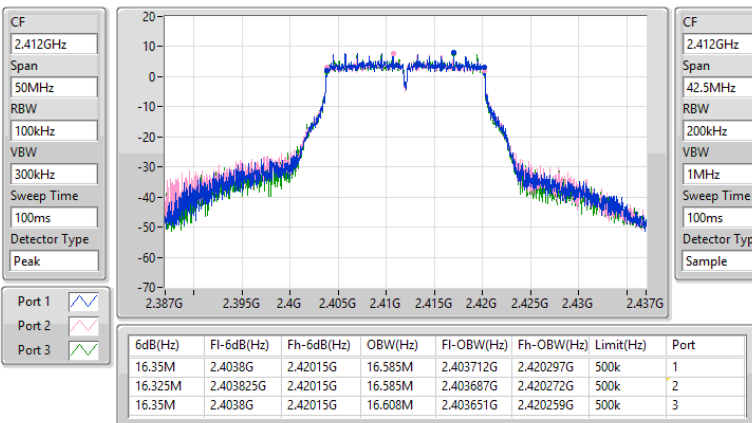


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

EBW

2412MHz

26/11/2022

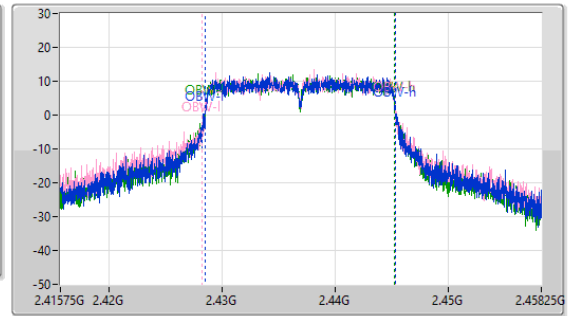
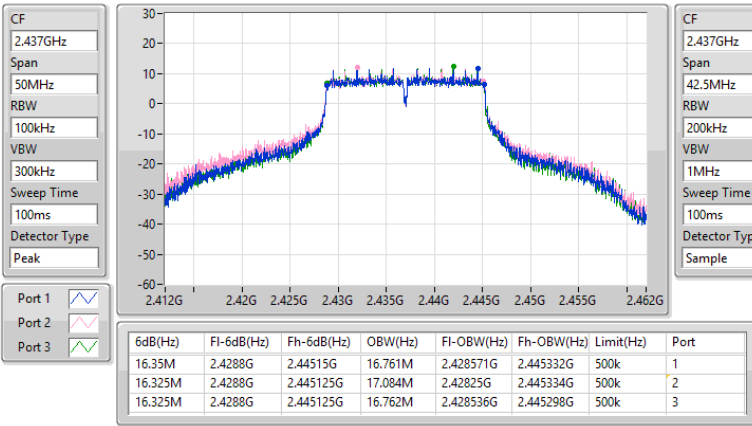


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

EBW

2437MHz

26/11/2022

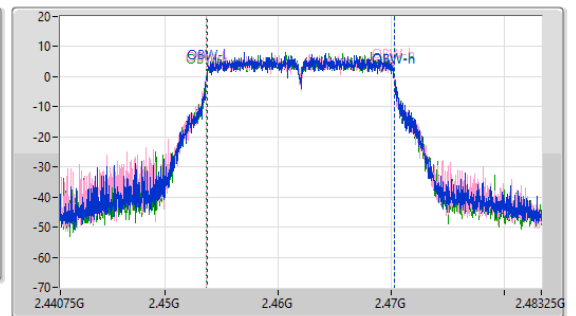
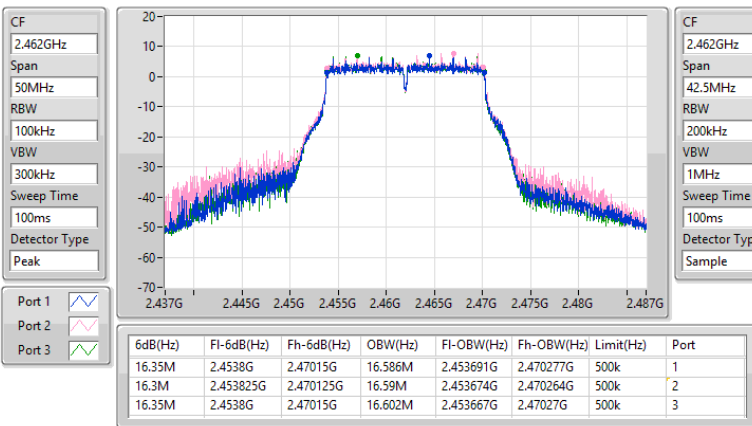


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

EBW

2462MHz

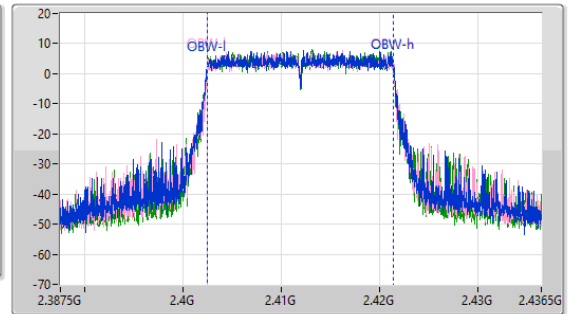
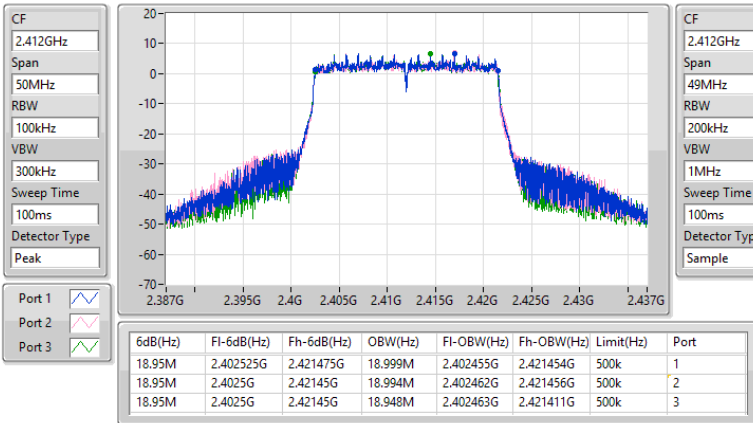
26/11/2022



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX
2412MHz

EBW

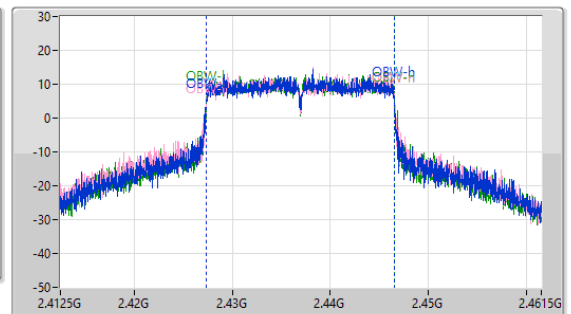
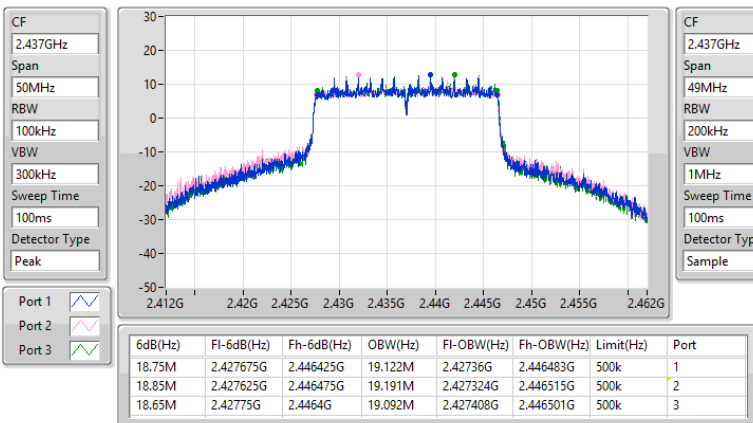
26/11/2022



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX
2437MHz

EBW

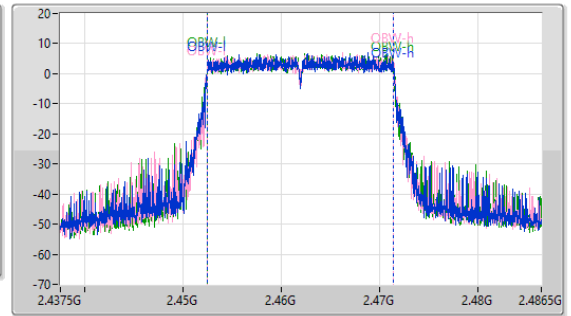
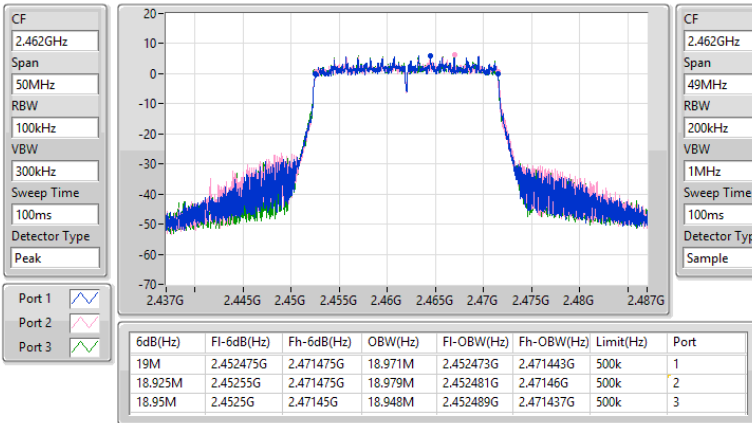
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2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX
2462MHz

EBW

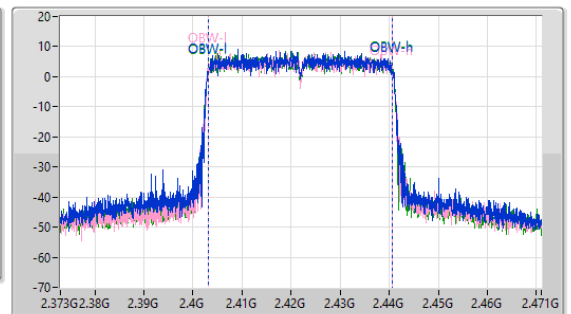
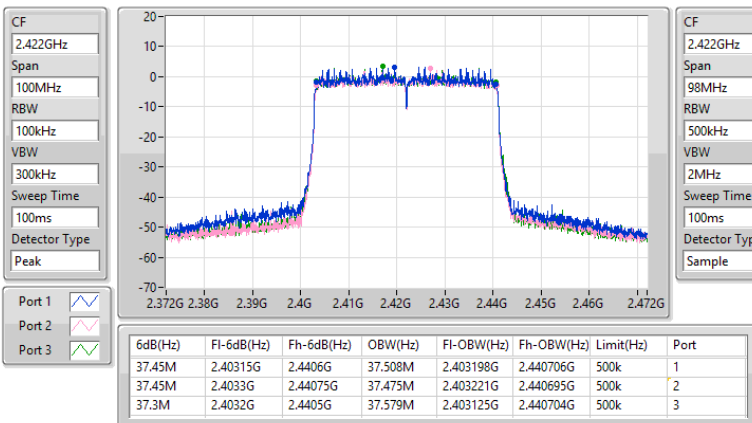
26/11/2022



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX
2422MHz

EBW

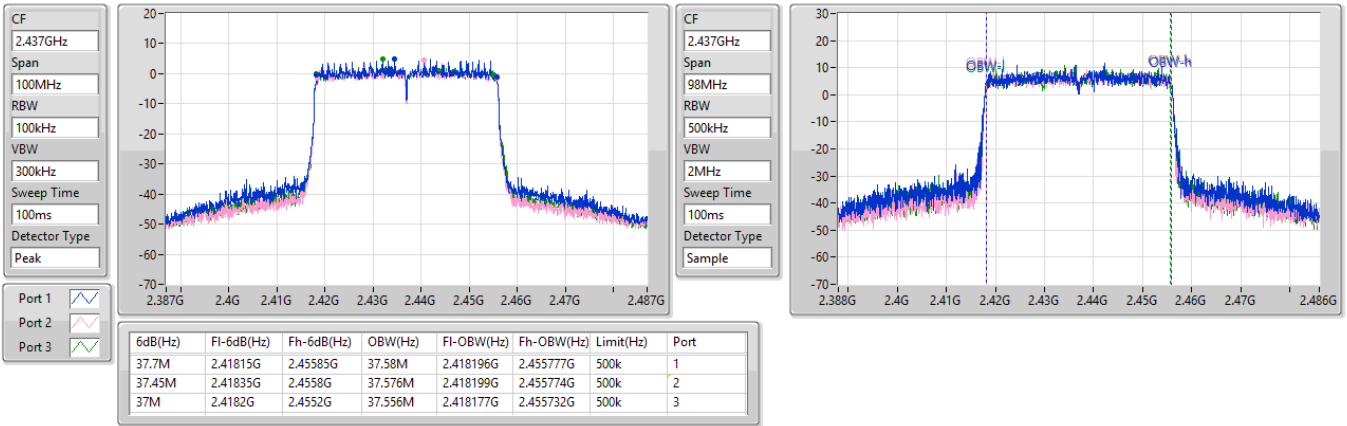
26/11/2022



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX
2437MHz

EBW

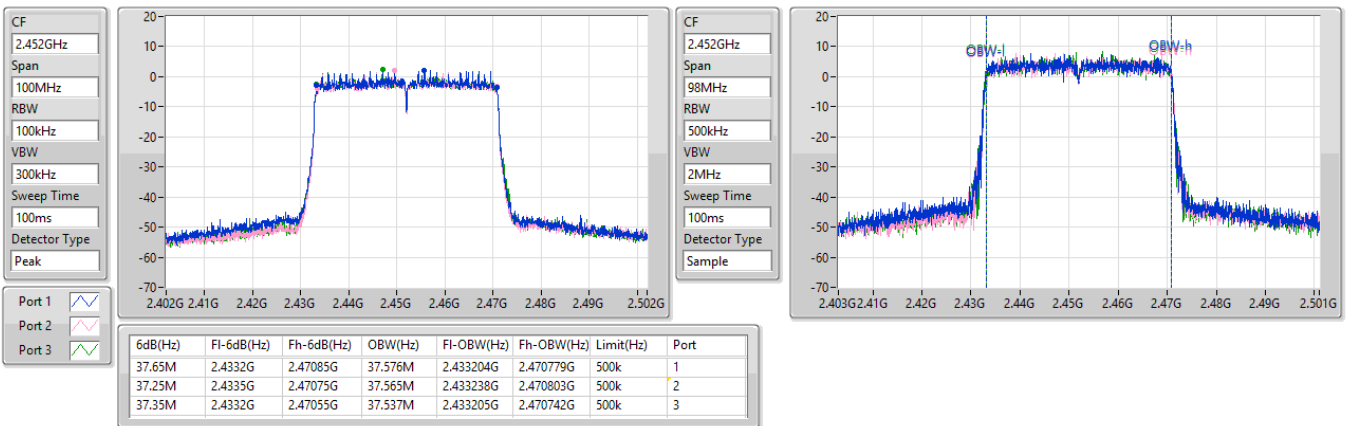
26/11/2022



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX
2452MHz

EBW

26/11/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_3TX	29.84	0.96383
802.11g_Nss1,(6Mbps)_3TX	28.15	0.65313
802.11ax HEW20_Nss1,(MCS0)_3TX	28.77	0.75336
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	28.77	0.75336
802.11ax HEW40_Nss1,(MCS0)_3TX	23.81	0.24044
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	23.81	0.24044



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.18	24.78	24.02	24.65	29.27	30.00
2437MHz	Pass	3.18	25.13	24.8	25.27	29.84	30.00
2457MHz	Pass	3.18	24.23	23.8	24.37	28.91	30.00
2462MHz	Pass	3.18	23.62	23.81	23.71	28.49	30.00
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.18	19.14	19.23	19.38	24.02	30.00
2417MHz	Pass	3.18	20.36	20.39	20.66	25.24	30.00
2437MHz	Pass	3.18	23.23	23.56	23.35	28.15	30.00
2457MHz	Pass	3.18	19.32	19.49	19.57	24.23	30.00
2462MHz	Pass	3.18	18.6	19.08	18.78	23.60	30.00
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.18	18.48	18.52	18.47	23.26	30.00
2417MHz	Pass	3.18	19.88	19.63	19.68	24.50	30.00
2437MHz	Pass	3.18	23.69	24.18	24.12	28.77	30.00
2457MHz	Pass	3.18	19.51	19.29	19.49	24.20	30.00
2462MHz	Pass	3.18	17.63	17.84	17.79	22.53	30.00
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	3.18	17.78	17.53	17.64	22.42	30.00
2437MHz	Pass	3.18	19.11	18.88	19.13	23.81	30.00
2452MHz	Pass	3.18	16.66	16.4	16.7	21.36	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.41	18.48	18.52	18.47	23.26	30.00
2417MHz	Pass	3.41	19.88	19.63	19.68	24.50	30.00
2437MHz	Pass	3.41	23.69	24.18	24.12	28.77	30.00
2457MHz	Pass	3.41	19.51	19.29	19.49	24.20	30.00
2462MHz	Pass	3.41	17.63	17.84	17.79	22.53	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	3.41	17.78	17.53	17.64	22.42	30.00
2437MHz	Pass	3.41	19.11	18.88	19.13	23.81	30.00
2452MHz	Pass	3.41	16.66	16.4	16.7	21.36	30.00

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



Summary

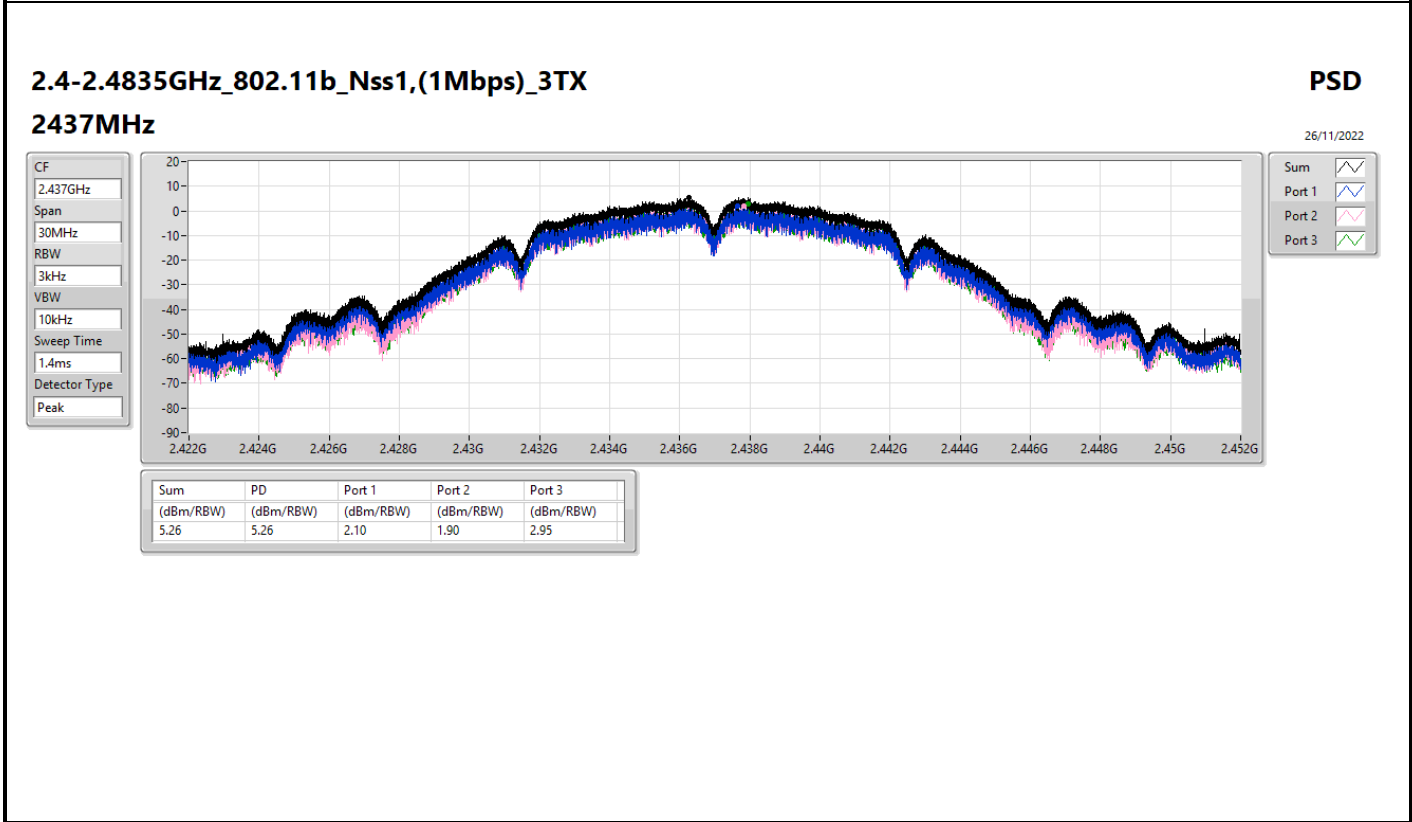
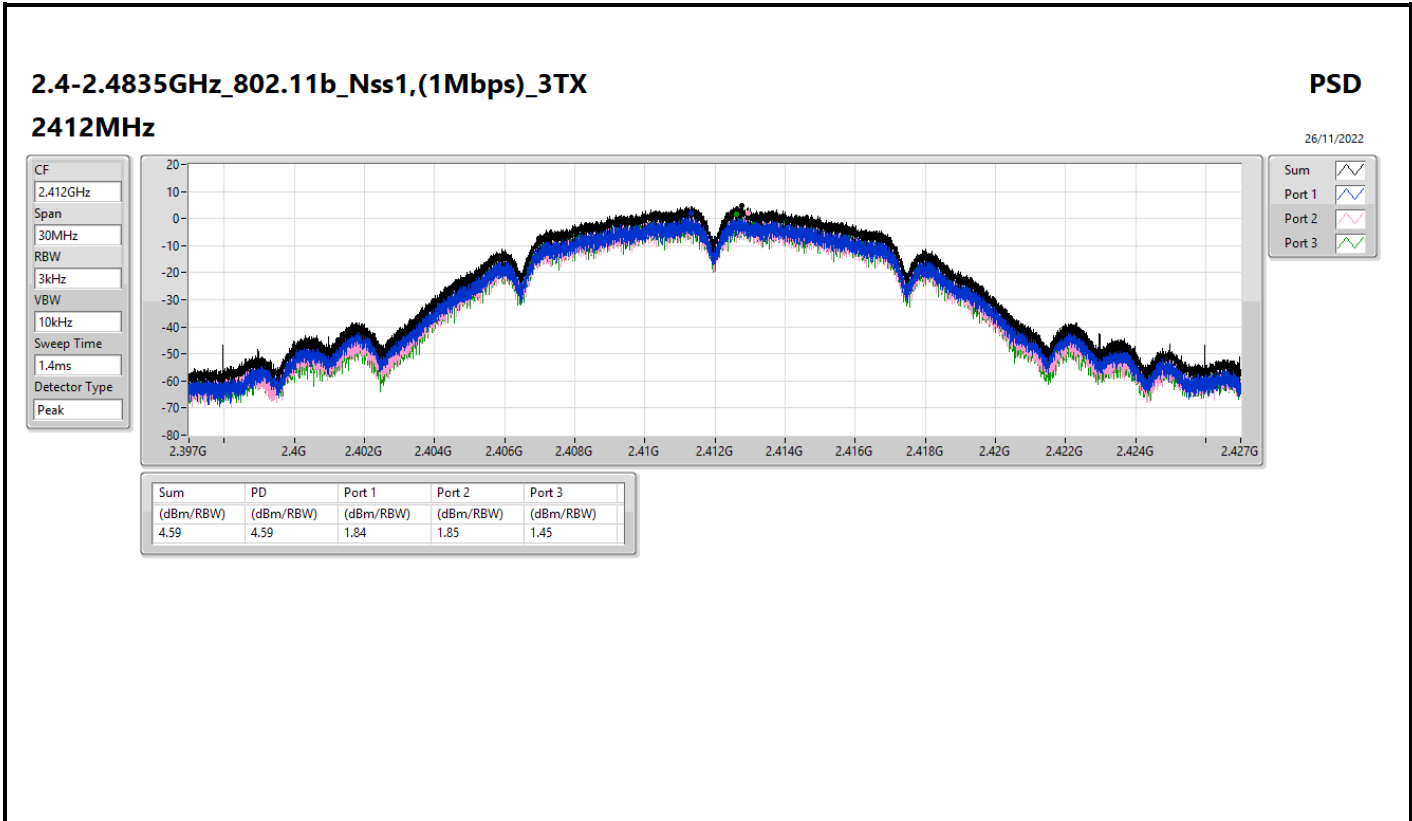
Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_3TX	5.26
802.11g_Nss1,(6Mbps)_3TX	1.64
802.11ax HEW20_Nss1,(MCS0)_3TX	1.13
802.11ax HEW40_Nss1,(MCS0)_3TX	-6.17

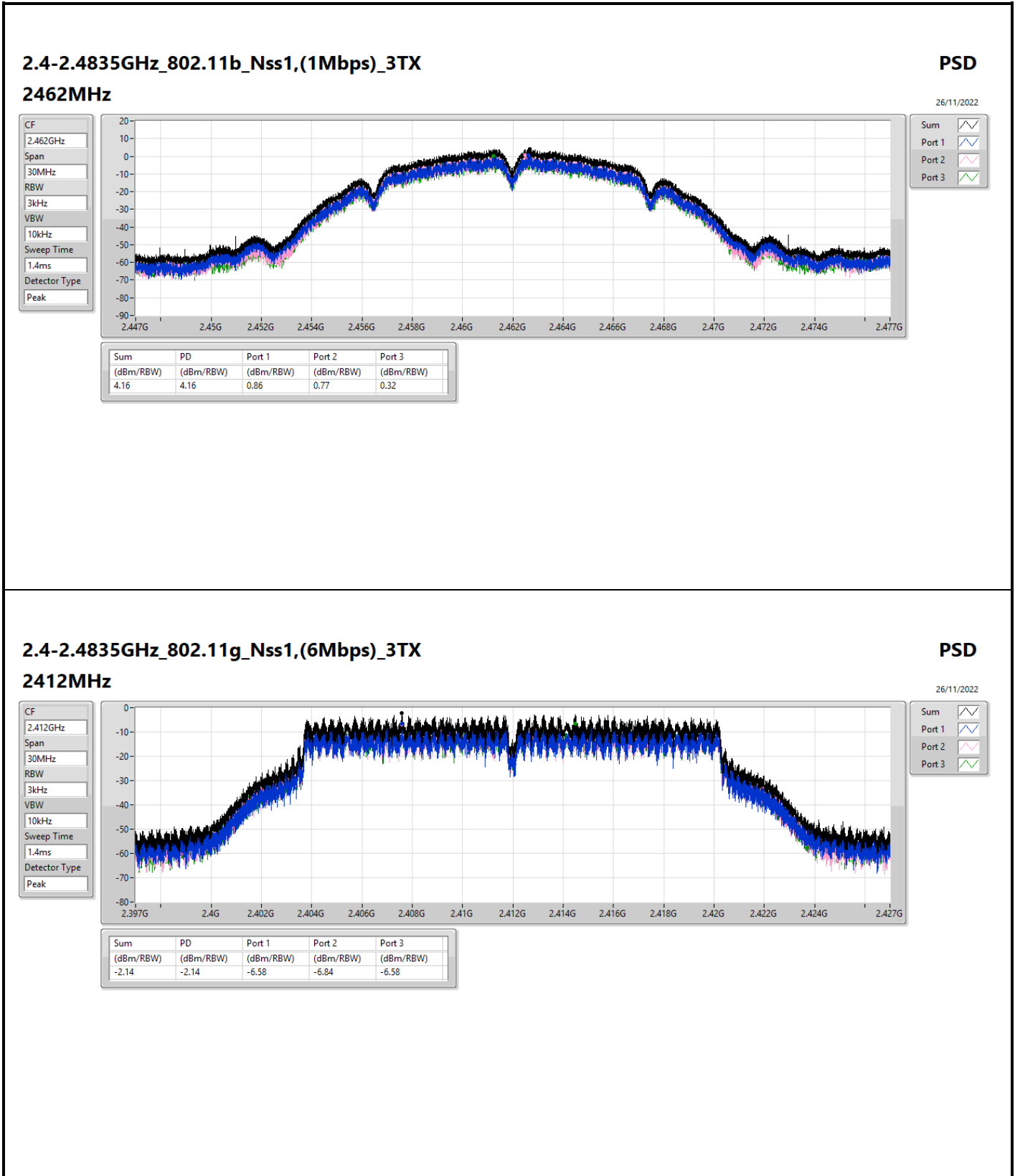
RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.41	1.84	1.85	1.45	4.59	8.00
2437MHz	Pass	3.41	2.10	1.90	2.95	5.26	8.00
2462MHz	Pass	3.41	0.86	0.77	0.32	4.16	8.00
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.41	-6.58	-6.84	-6.58	-2.14	8.00
2437MHz	Pass	3.41	-2.67	-2.59	-3.09	1.64	8.00
2462MHz	Pass	3.41	-7.21	-5.66	-5.86	-1.42	8.00
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	3.41	-6.87	-8.78	-8.53	-4.03	8.00
2437MHz	Pass	3.41	-3.50	-2.56	-3.34	1.13	8.00
2462MHz	Pass	3.41	-10.31	-9.06	-7.11	-4.72	8.00
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	3.41	-12.23	-12.97	-11.10	-7.82	8.00
2437MHz	Pass	3.41	-11.19	-10.35	-9.87	-6.17	8.00
2452MHz	Pass	3.41	-12.98	-13.81	-12.44	-8.93	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;



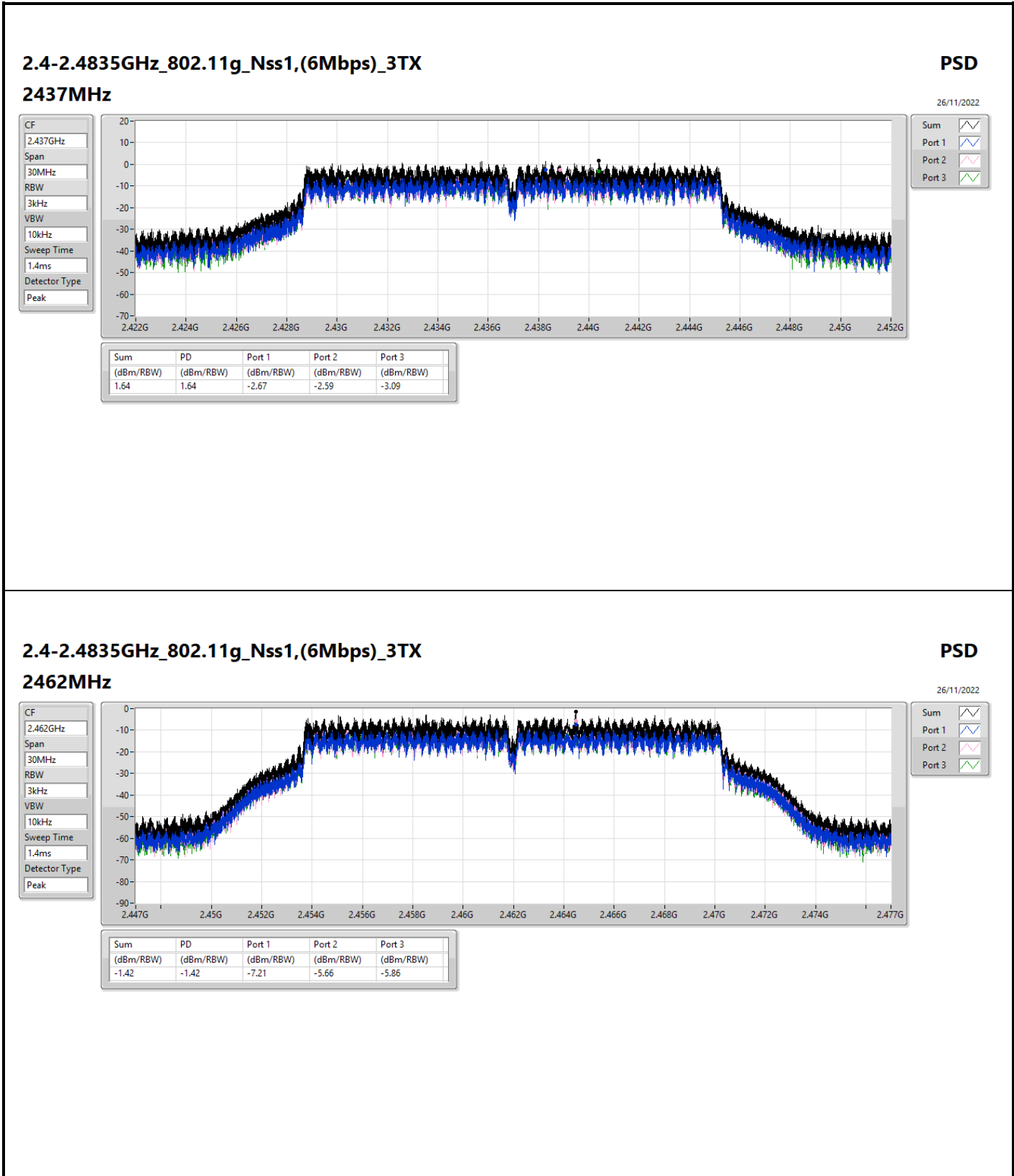


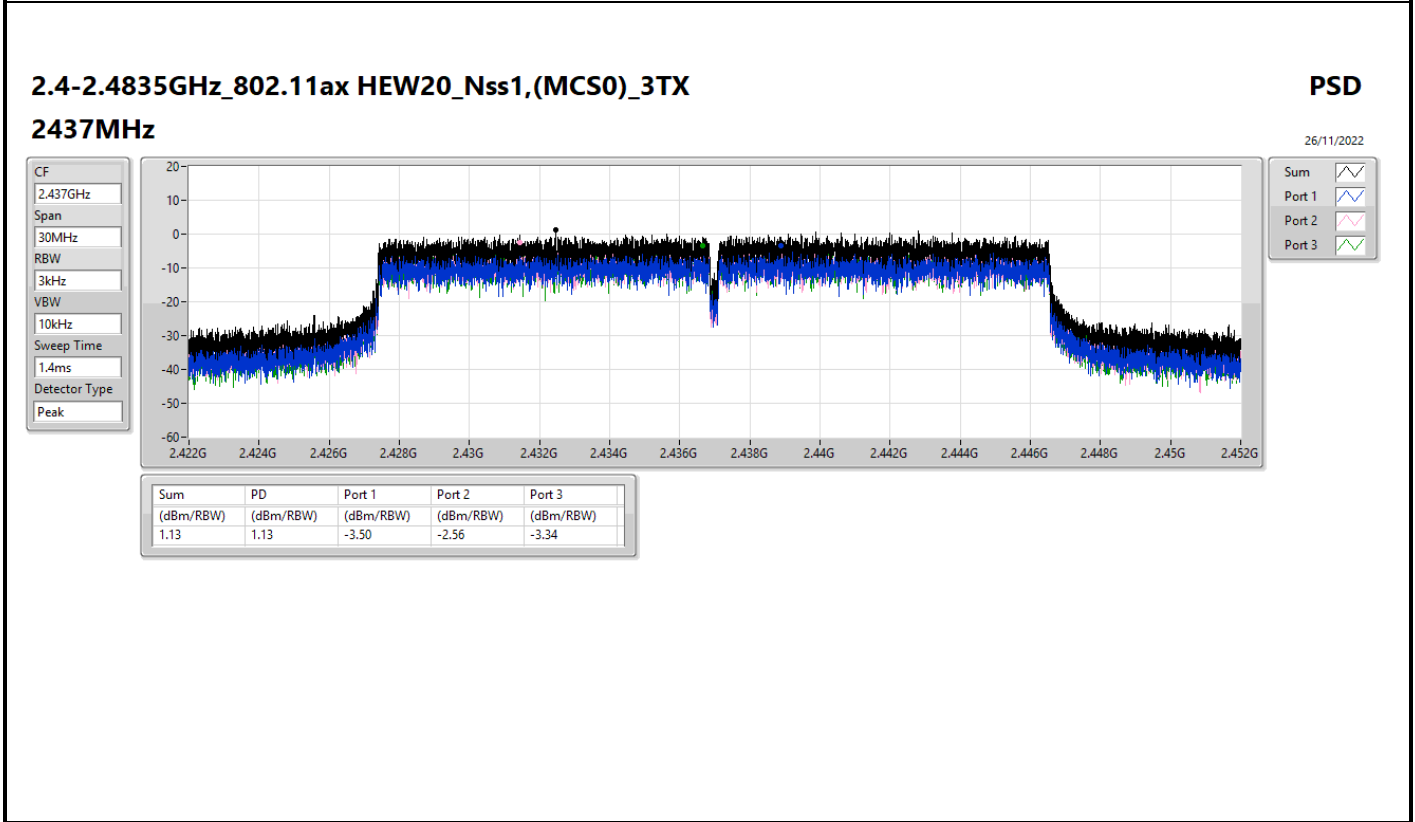
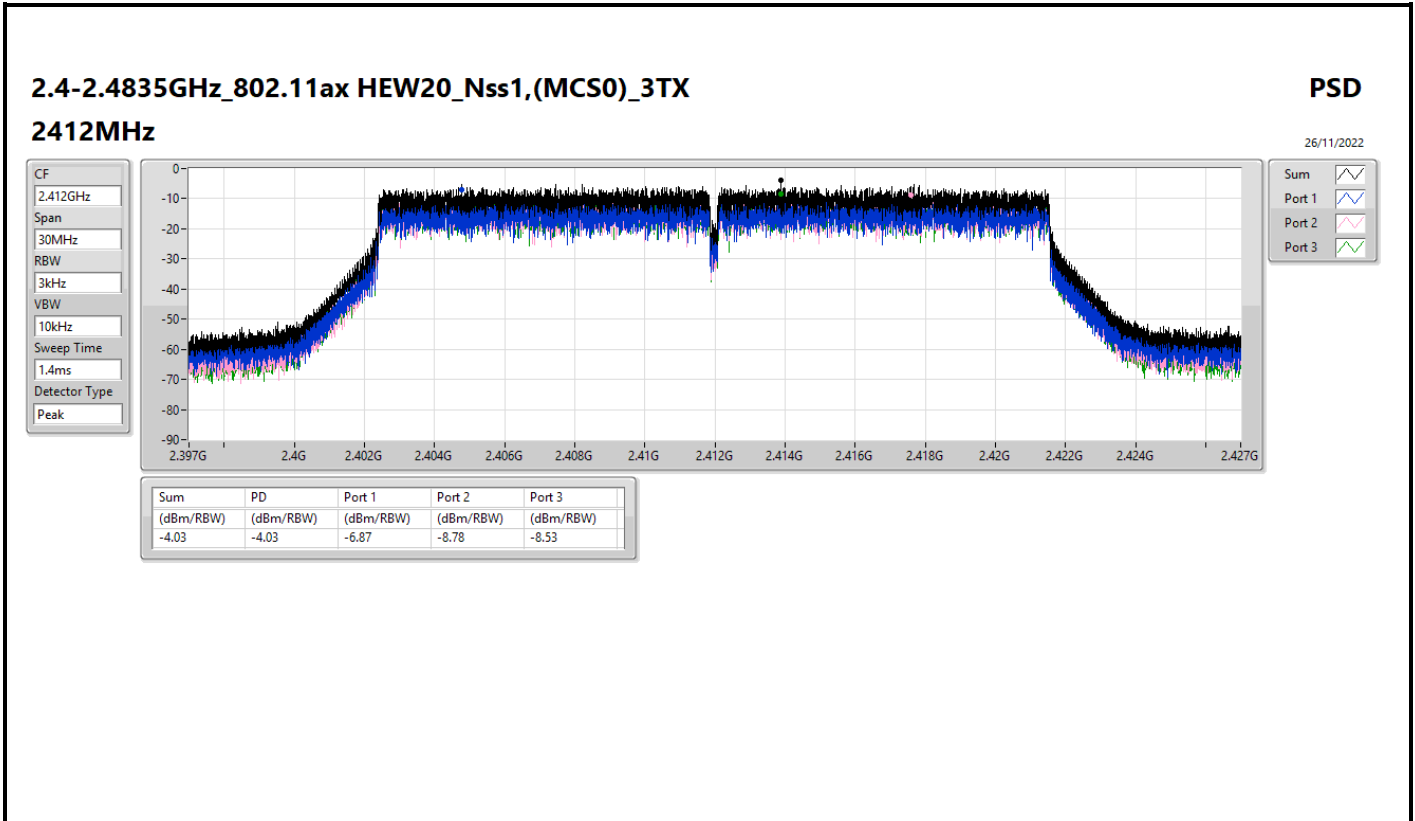
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2412MHz

PSD

26/11/2022





2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

PSD

2462MHz

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CF
2.462GHz

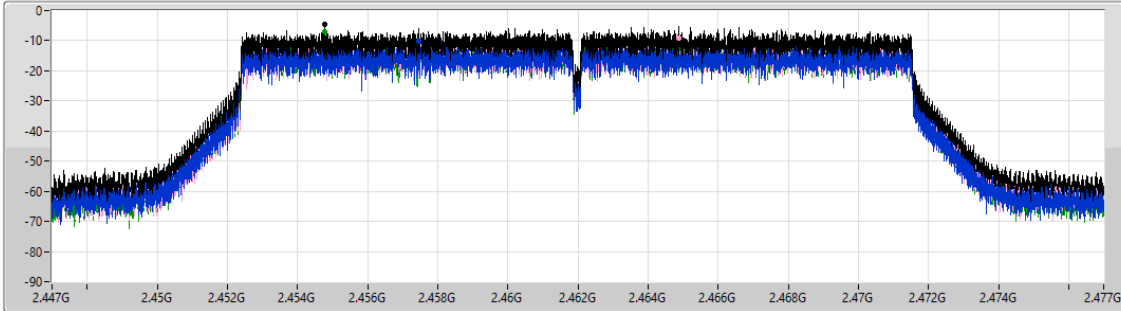
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
1.4ms


Detector Type
Peak



Sum 

Port 1 

Port 2 

Port 3 

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.72	-4.72	-10.31	-9.06	-7.11

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

PSD

2422MHz

26/11/2022

CF
2.422GHz

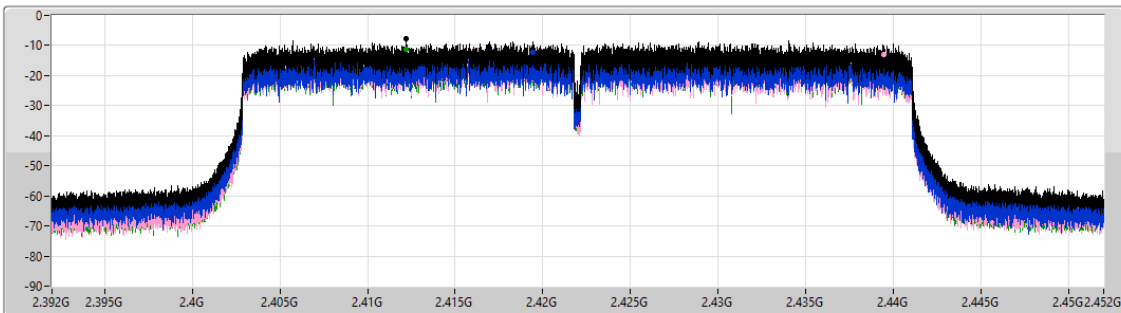
Span
60MHz


RBW
3kHz


VBW
10kHz


Sweep Time
2.79ms


Detector Type
Peak



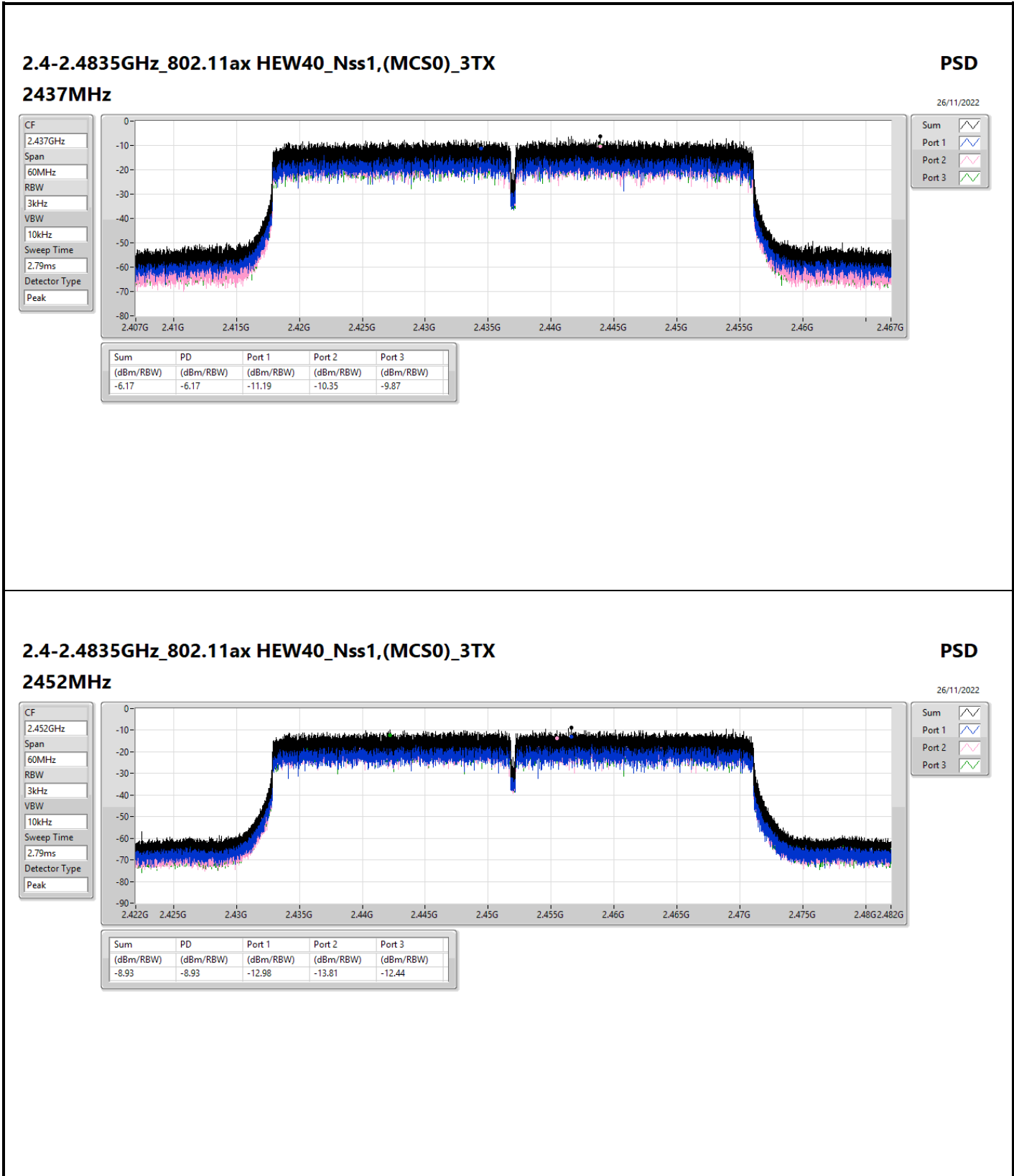
Sum 

Port 1 

Port 2 

Port 3 

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.82	-7.82	-12.23	-12.97	-11.10



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2452MHz

PSD

26/11/2022



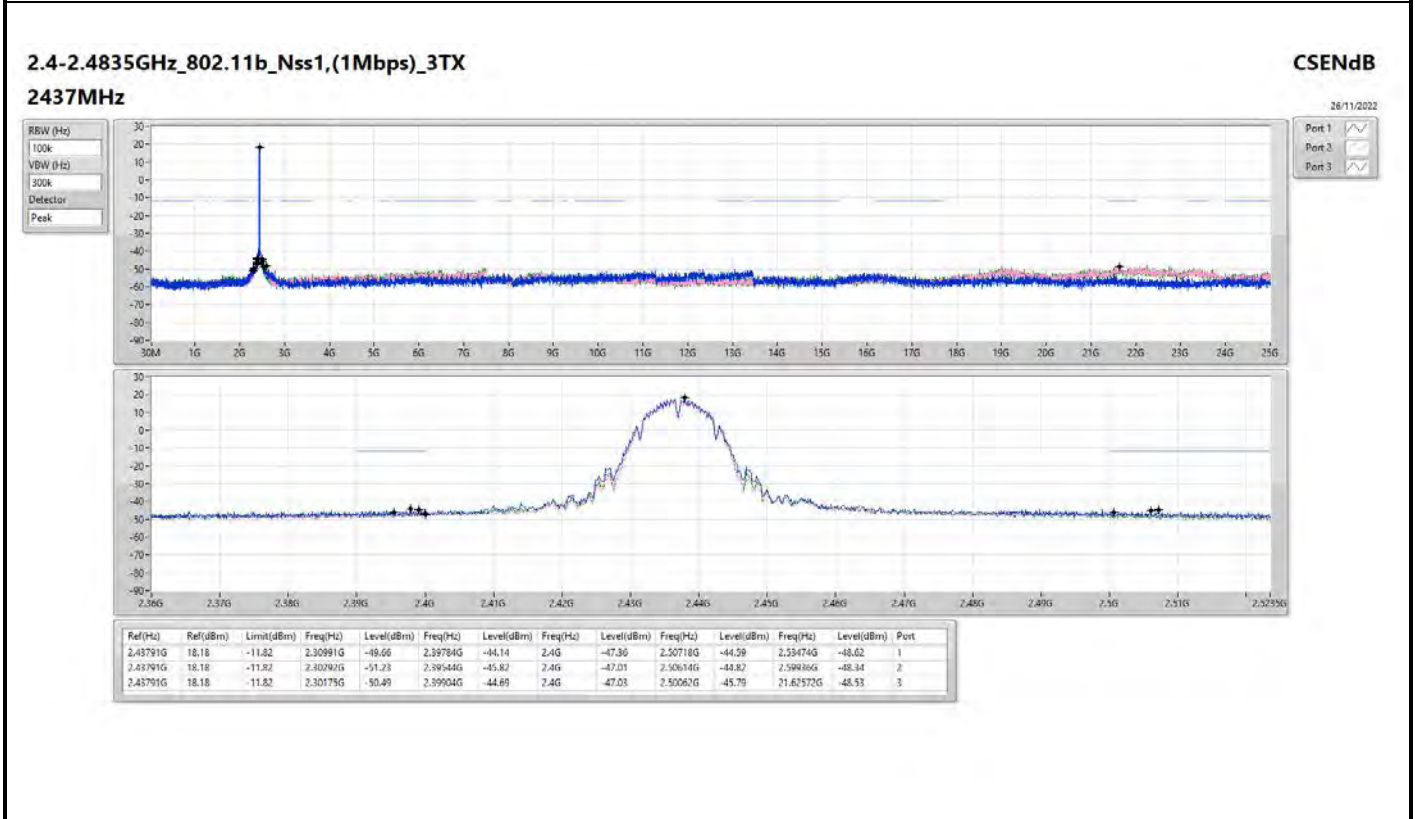
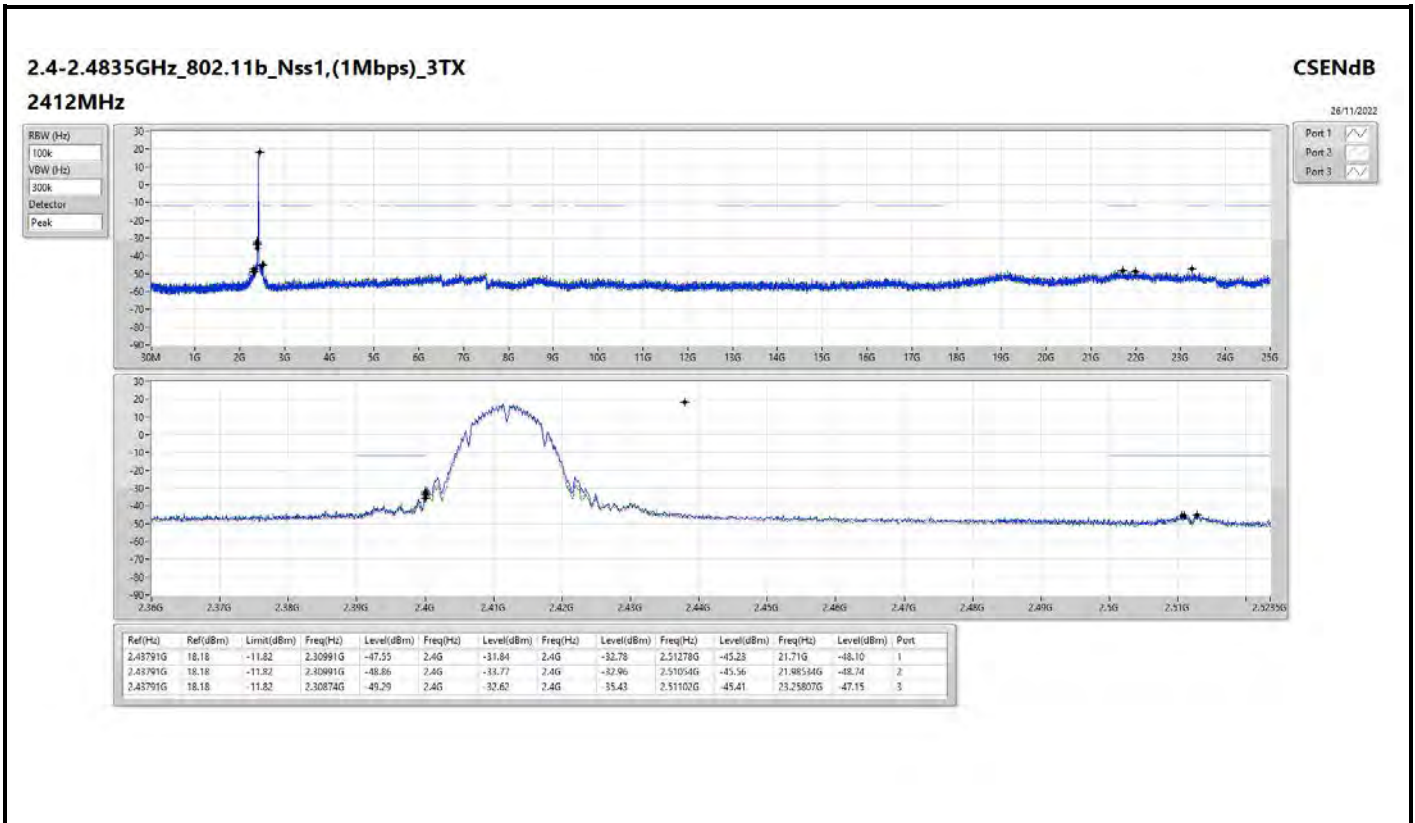
Summary

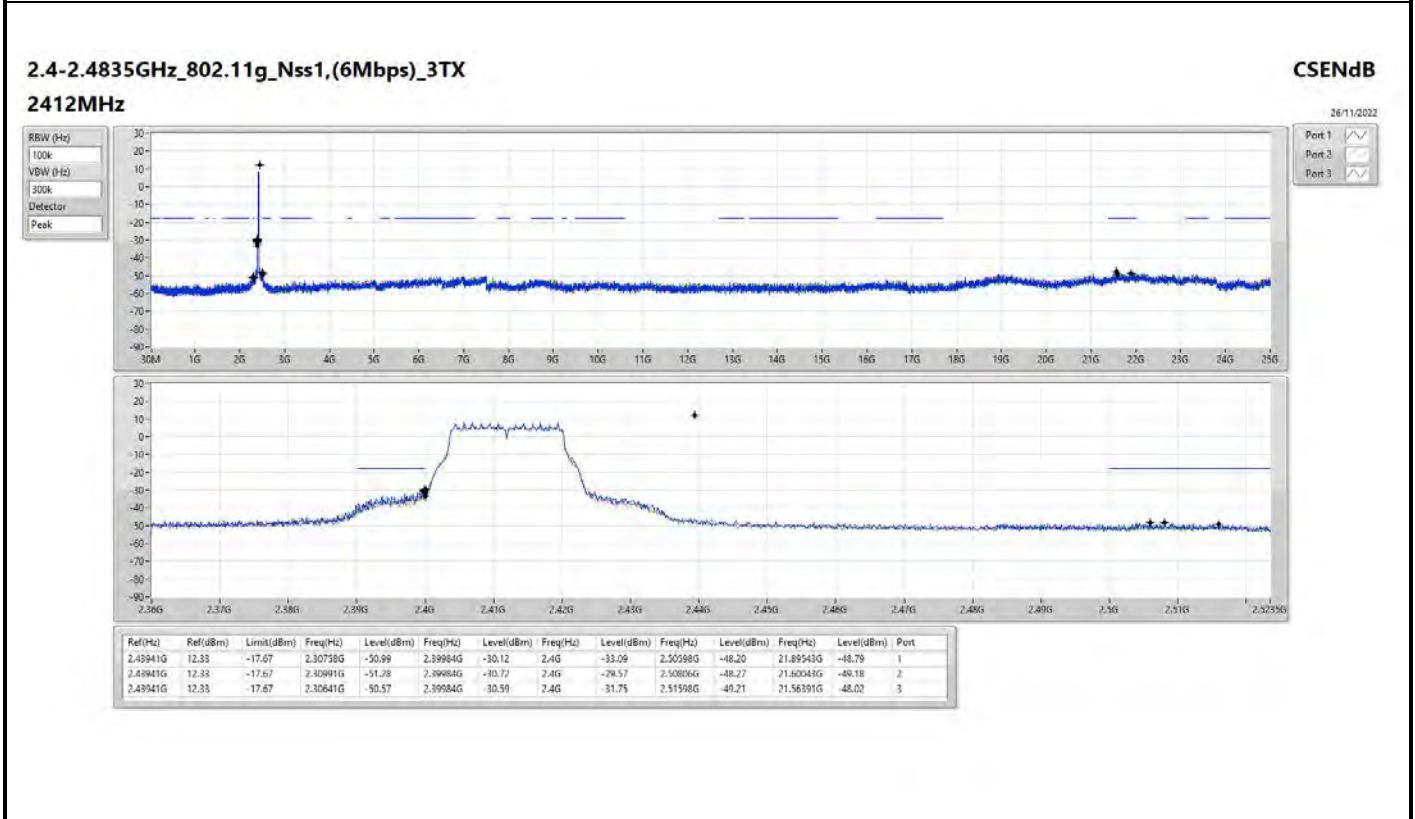
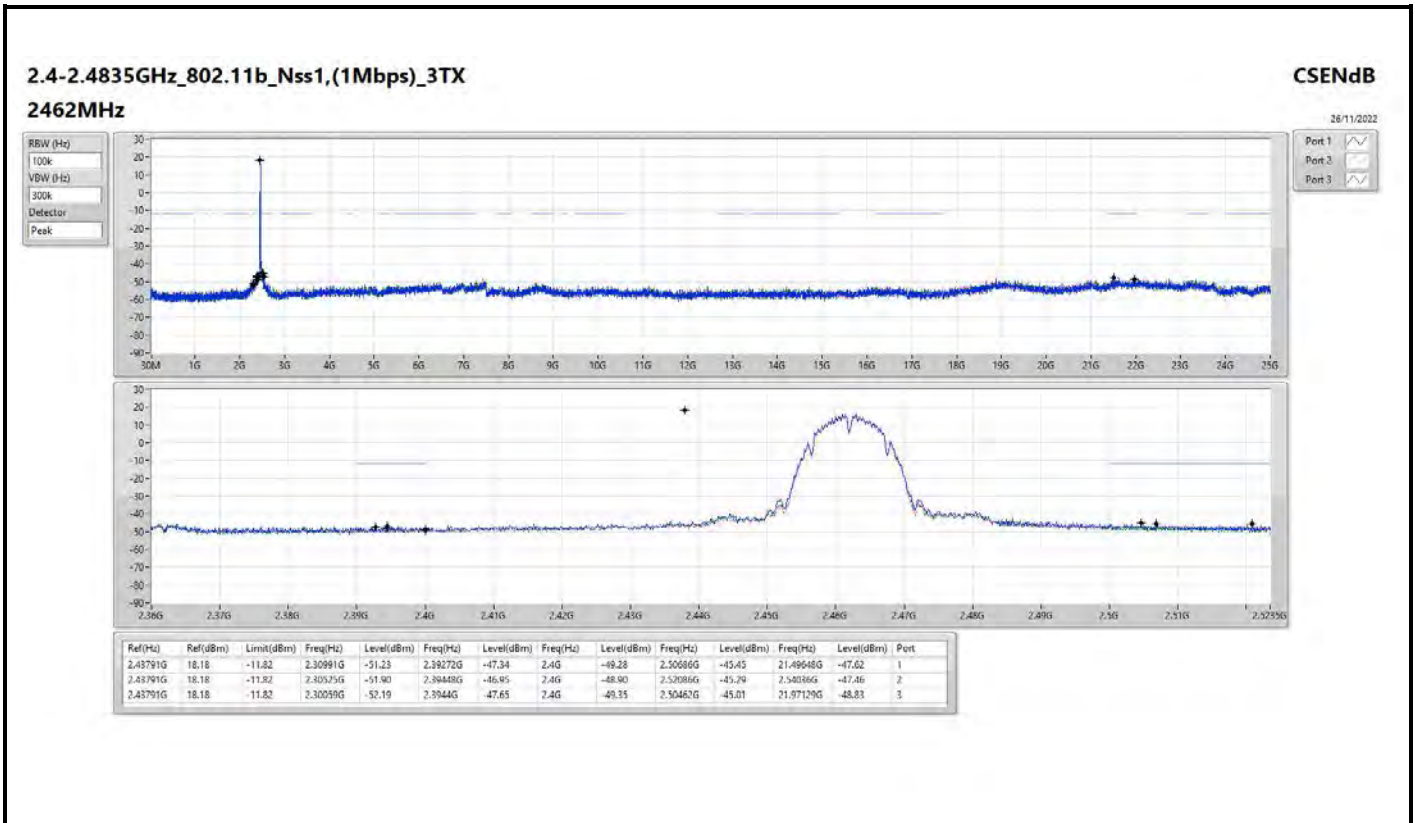
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_3TX	Pass	2.43791G	18.18	-11.82	2.30991G	-47.55	2.4G	-31.84	2.4G	-32.78	2.51278G	-45.23	21.71G	-48.10	1
802.11g_Nss1,(6Mbps)_3TX	Pass	2.43941G	12.33	-17.67	2.30991G	-51.28	2.39984G	-30.72	2.4G	-29.57	2.50806G	-48.27	21.60043G	-49.18	2
802.11ax HEW20_Nss1,(MCS0)_3TX	Pass	2.44192G	13.09	-16.91	2.30525G	-52.67	2.39976G	-30.25	2.4G	-31.07	2.50518G	-48.72	21.56391G	-47.47	2
802.11ax HEW40_Nss1,(MCS0)_3TX	Pass	2.4344G	5.44	-24.56	2.30054G	-51.46	2.39952G	-37.61	2.4G	-40.23	2.50078G	-48.25	21.42138G	-48.51	1

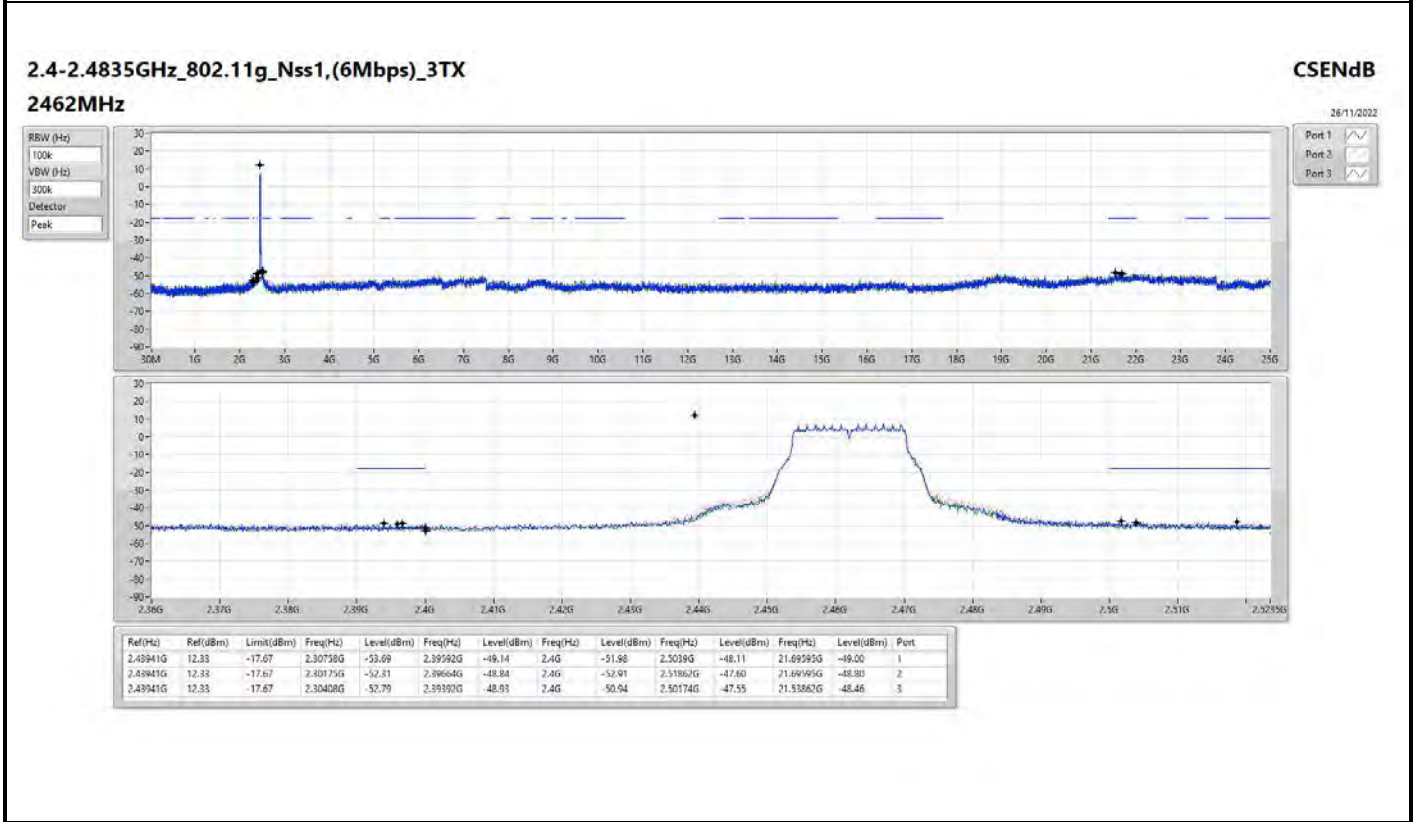
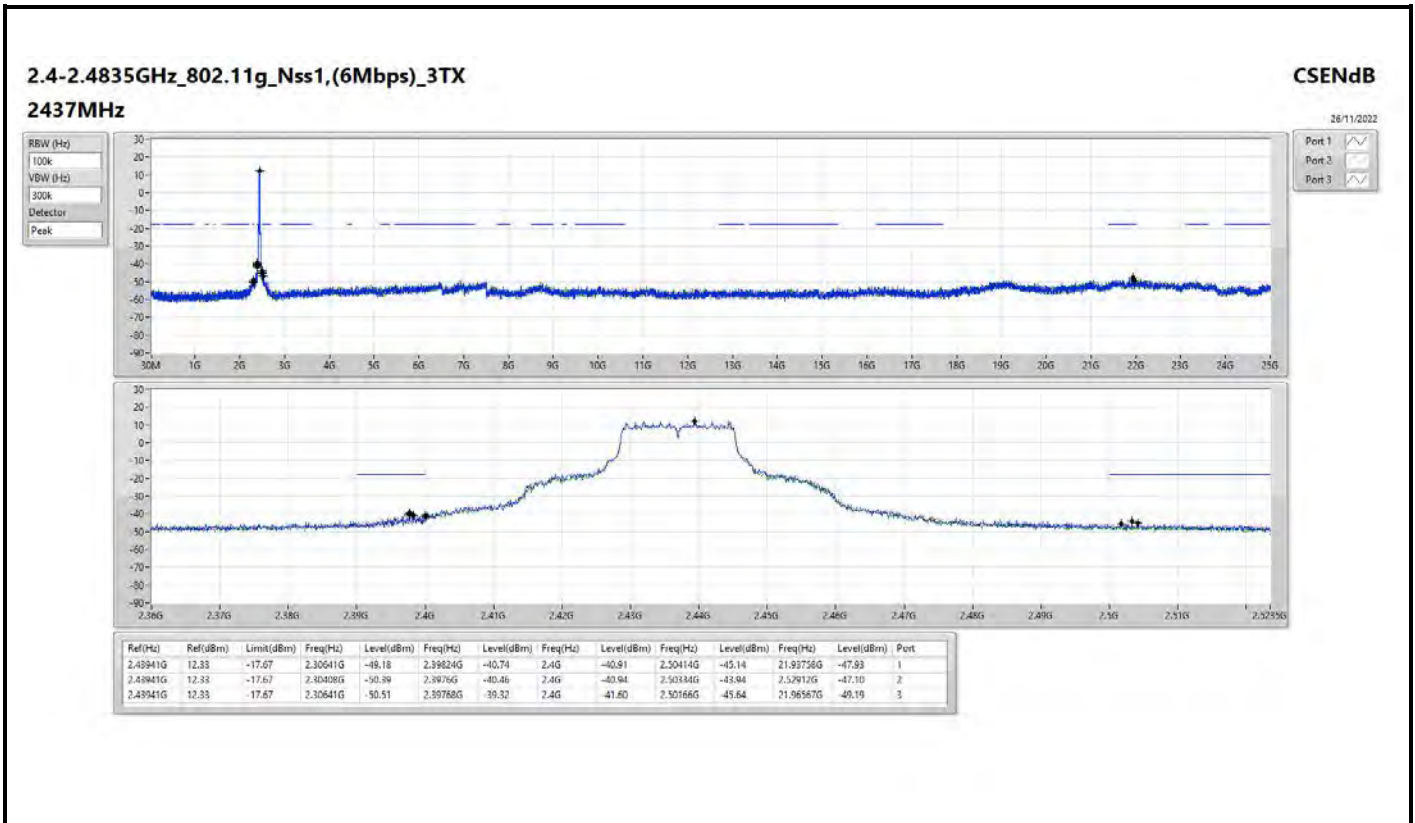


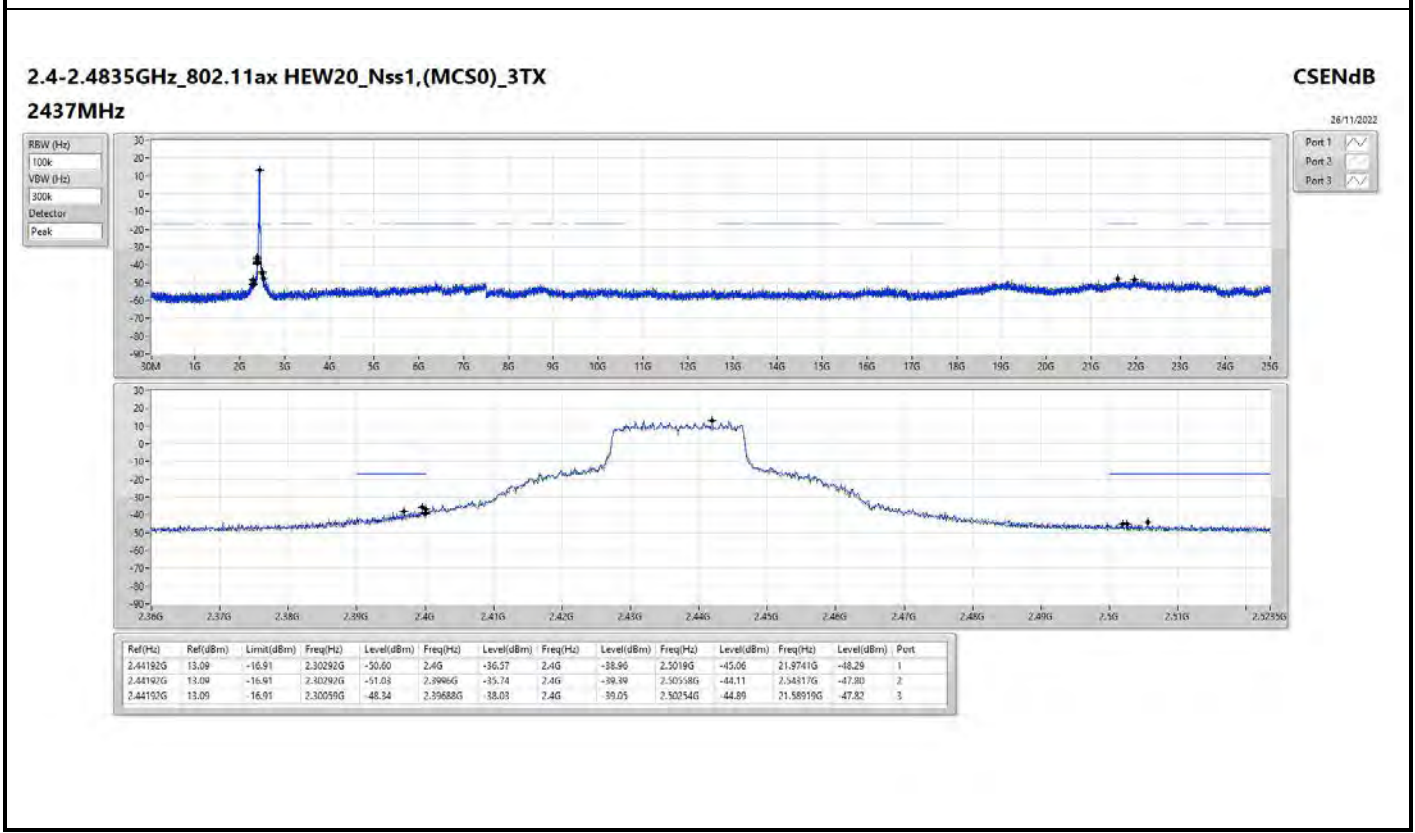
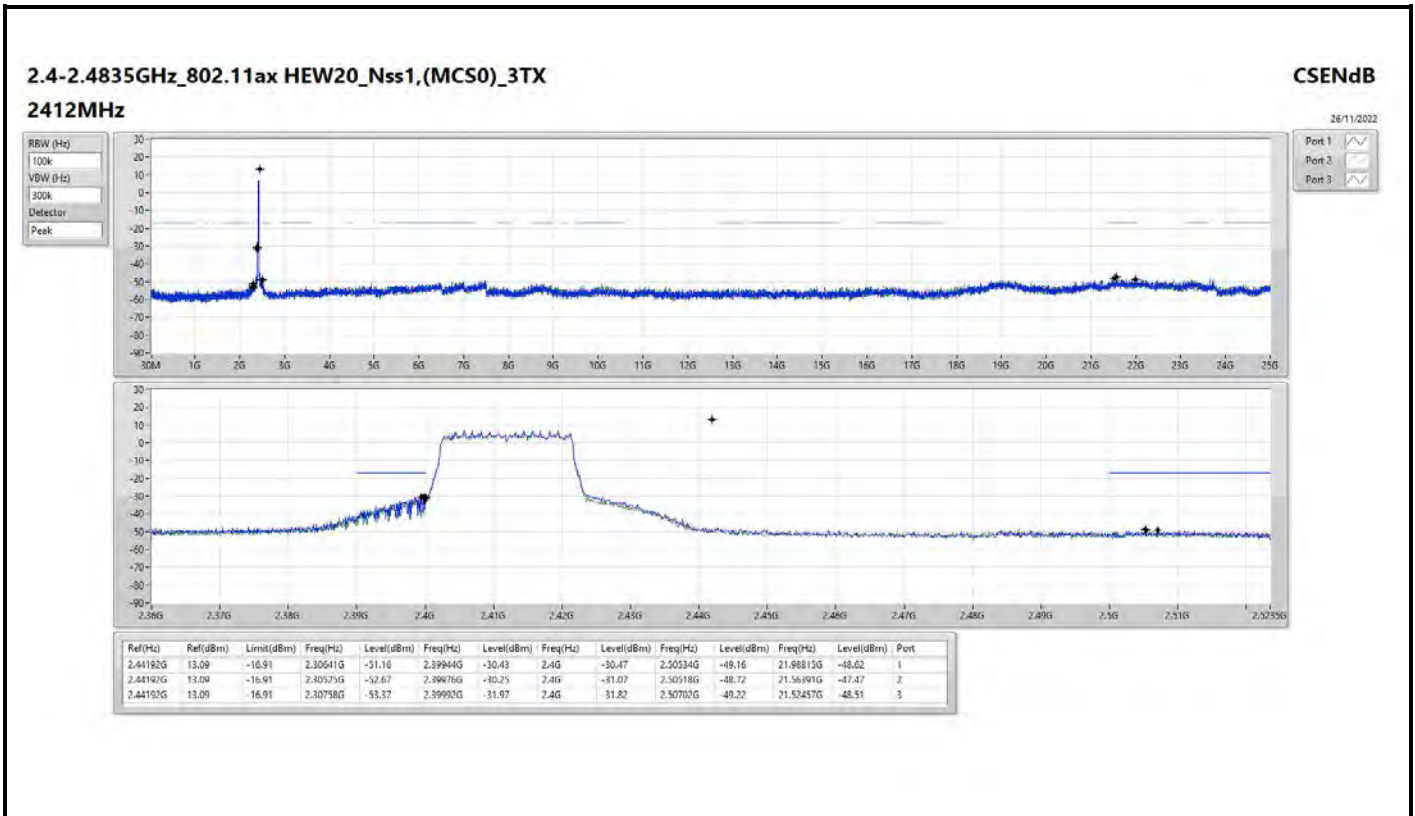
Result

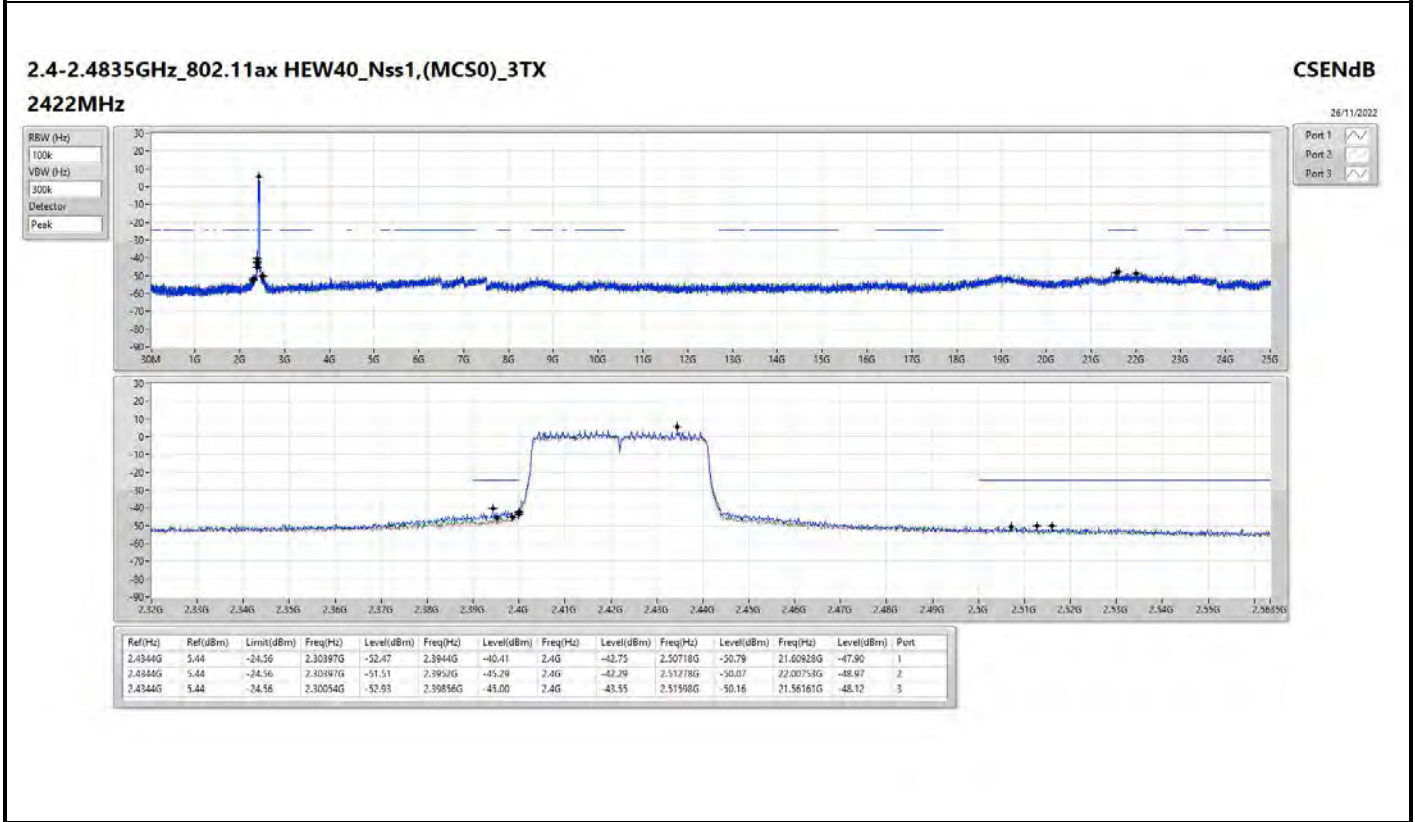
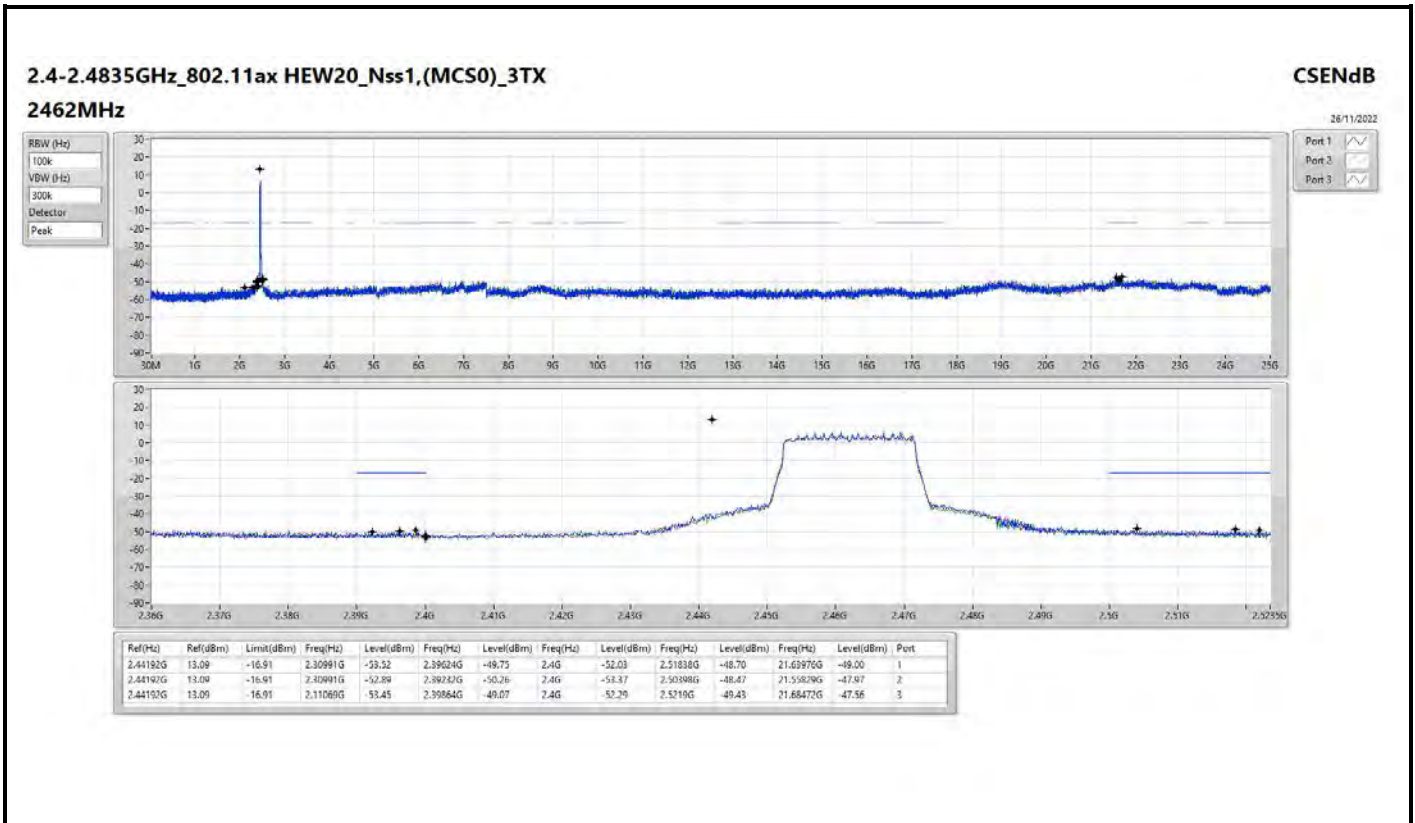
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43791G	18.18	-11.82	2.30991G	-47.55	2.4G	-31.84	2.4G	-32.78	2.51278G	-45.23	21.71G	-48.10	1
2412MHz	Pass	2.43791G	18.18	-11.82	2.30991G	-48.86	2.4G	-33.77	2.4G	-32.96	2.51054G	-45.56	21.98534G	-48.74	2
2412MHz	Pass	2.43791G	18.18	-11.82	2.30874G	-49.29	2.4G	-32.62	2.4G	-35.43	2.51102G	-45.41	23.25807G	-47.15	3
2437MHz	Pass	2.43791G	18.18	-11.82	2.30991G	-49.66	2.39784G	-44.14	2.4G	-47.36	2.50718G	-44.59	2.53474G	-48.62	1
2437MHz	Pass	2.43791G	18.18	-11.82	2.30292G	-51.23	2.39544G	-45.82	2.4G	-47.01	2.50614G	-44.82	2.59936G	-48.34	2
2437MHz	Pass	2.43791G	18.18	-11.82	2.30175G	-50.49	2.39904G	-44.69	2.4G	-47.03	2.50062G	-45.79	21.62572G	-48.53	3
2462MHz	Pass	2.43791G	18.18	-11.82	2.30991G	-51.23	2.39272G	-47.34	2.4G	-49.28	2.50686G	-45.45	21.49648G	-47.62	1
2462MHz	Pass	2.43791G	18.18	-11.82	2.30525G	-51.90	2.39448G	-46.95	2.4G	-48.90	2.52086G	-45.29	2.54036G	-47.46	2
2462MHz	Pass	2.43791G	18.18	-11.82	2.30059G	-52.19	2.3944G	-47.65	2.4G	-49.35	2.50462G	-45.01	21.97129G	-48.83	3
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43941G	12.33	-17.67	2.30758G	-50.99	2.39984G	-30.12	2.4G	-33.09	2.50598G	-48.20	21.89543G	-48.79	1
2412MHz	Pass	2.43941G	12.33	-17.67	2.30991G	-51.28	2.39984G	-30.72	2.4G	-29.57	2.50806G	-48.27	21.60043G	-49.18	2
2412MHz	Pass	2.43941G	12.33	-17.67	2.30641G	-50.57	2.39984G	-30.59	2.4G	-31.75	2.51598G	-49.21	21.56391G	-48.02	3
2437MHz	Pass	2.43941G	12.33	-17.67	2.30641G	-49.18	2.39824G	-40.74	2.4G	-40.91	2.50414G	-45.14	21.93758G	-47.93	1
2437MHz	Pass	2.43941G	12.33	-17.67	2.30408G	-50.39	2.3976G	-40.46	2.4G	-40.94	2.50334G	-43.94	2.52912G	-47.10	2
2437MHz	Pass	2.43941G	12.33	-17.67	2.30641G	-50.51	2.39768G	-39.32	2.4G	-41.60	2.50166G	-45.64	21.96567G	-49.19	3
2462MHz	Pass	2.43941G	12.33	-17.67	2.30758G	-53.69	2.39592G	-49.14	2.4G	-51.98	2.5039G	-48.11	21.69595G	-49.00	1
2462MHz	Pass	2.43941G	12.33	-17.67	2.30175G	-52.31	2.39664G	-48.84	2.4G	-52.91	2.51862G	-47.60	21.69595G	-48.80	2
2462MHz	Pass	2.43941G	12.33	-17.67	2.30408G	-52.79	2.39392G	-48.93	2.4G	-50.94	2.50174G	-47.55	21.53862G	-48.46	3
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	13.09	-16.91	2.30641G	-51.16	2.39944G	-30.43	2.4G	-30.47	2.50534G	-49.16	21.98815G	-48.62	1
2412MHz	Pass	2.44192G	13.09	-16.91	2.30525G	-52.67	2.39976G	-30.25	2.4G	-31.07	2.50518G	-48.72	21.56391G	-47.47	2
2412MHz	Pass	2.44192G	13.09	-16.91	2.30758G	-53.37	2.39992G	-31.97	2.4G	-31.82	2.50702G	-49.22	21.52457G	-48.51	3
2437MHz	Pass	2.44192G	13.09	-16.91	2.30292G	-50.60	2.4G	-36.57	2.4G	-38.96	2.5019G	-45.06	21.9741G	-48.29	1
2437MHz	Pass	2.44192G	13.09	-16.91	2.30292G	-51.03	2.3996G	-35.74	2.4G	-39.39	2.50558G	-44.11	2.54317G	-47.80	2
2437MHz	Pass	2.44192G	13.09	-16.91	2.30059G	-48.34	2.39688G	-38.03	2.4G	-39.05	2.50254G	-44.89	21.58919G	-47.82	3
2462MHz	Pass	2.44192G	13.09	-16.91	2.30991G	-53.52	2.39624G	-49.75	2.4G	-52.03	2.51838G	-48.70	21.63976G	-49.00	1
2462MHz	Pass	2.44192G	13.09	-16.91	2.30991G	-52.89	2.39232G	-50.26	2.4G	-53.37	2.50398G	-48.47	21.55829G	-47.97	2
2462MHz	Pass	2.44192G	13.09	-16.91	2.11069G	-53.45	2.39864G	-49.07	2.4G	-52.29	2.5219G	-49.43	21.68472G	-47.56	3
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	5.44	-24.56	2.30397G	-52.47	2.3944G	-40.41	2.4G	-42.75	2.50718G	-50.79	21.60928G	-47.90	1
2422MHz	Pass	2.4344G	5.44	-24.56	2.30397G	-51.51	2.3952G	-45.29	2.4G	-42.29	2.51278G	-50.07	22.00753G	-48.97	2
2422MHz	Pass	2.4344G	5.44	-24.56	2.30054G	-52.93	2.39856G	-45.00	2.4G	-43.55	2.51598G	-50.16	21.56161G	-48.12	3
2437MHz	Pass	2.4344G	5.44	-24.56	2.30054G	-51.46	2.39952G	-37.61	2.4G	-40.23	2.50078G	-48.25	21.42138G	-48.51	1
2437MHz	Pass	2.4344G	5.44	-24.56	2.30741G	-53.13	2.39952G	-41.73	2.4G	-45.17	2.52734G	-48.76	21.57843G	-48.60	2
2437MHz	Pass	2.4344G	5.44	-24.56	2.30283G	-52.89	2.39952G	-40.82	2.4G	-43.14	2.50206G	-49.30	21.62611G	-47.98	3
2452MHz	Pass	2.4344G	5.44	-24.56	2.30283G	-53.42	2.39712G	-50.41	2.4G	-51.01	2.50254G	-48.91	21.55319G	-49.04	1
2452MHz	Pass	2.4344G	5.44	-24.56	2.30283G	-54.02	2.39088G	-49.93	2.4G	-52.55	2.50462G	-49.24	21.9851G	-48.72	2
2452MHz	Pass	2.4344G	5.44	-24.56	2.16886G	-53.48	2.4G	-50.97	2.4G	-52.10	2.50062G	-48.97	21.53356G	-48.39	3

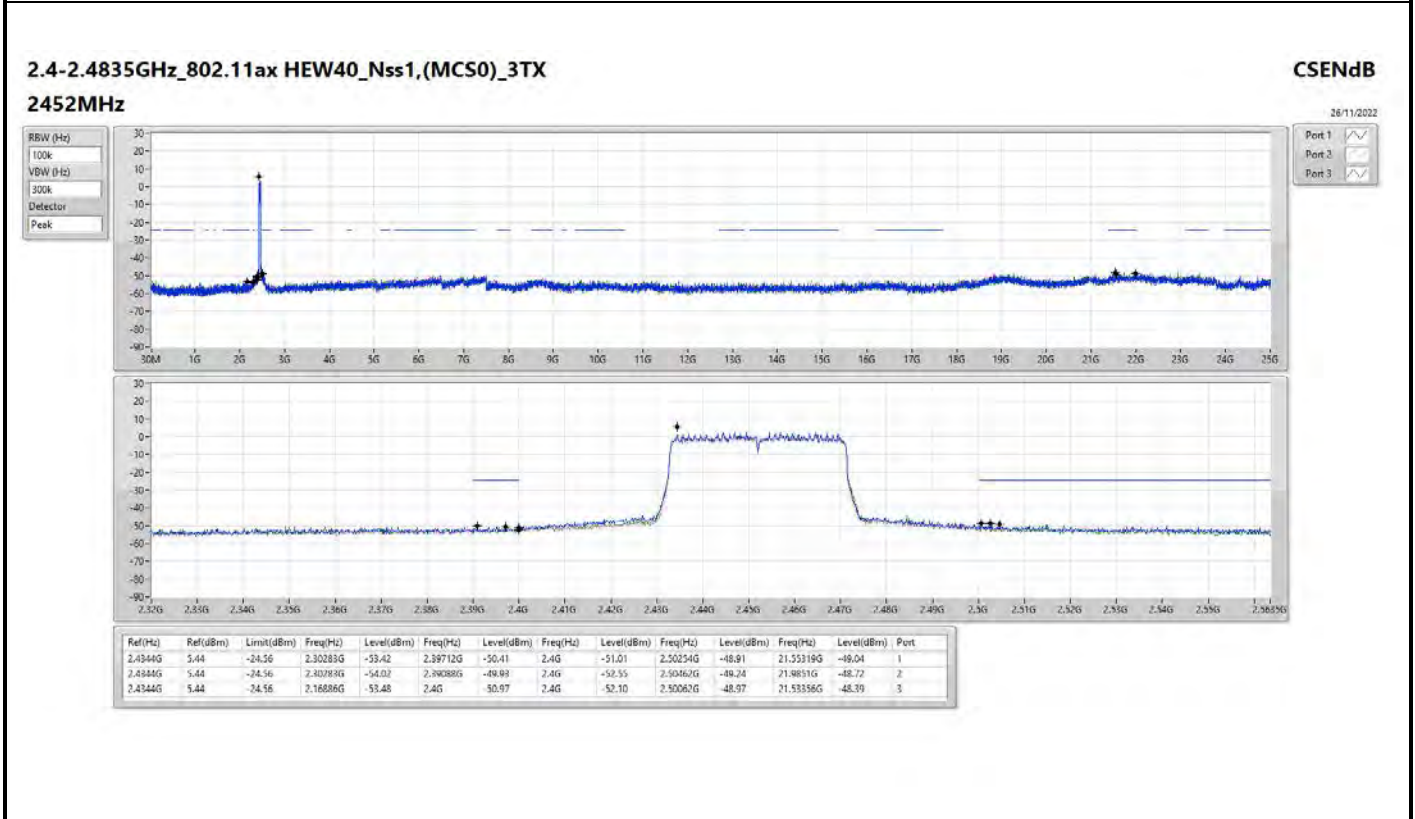
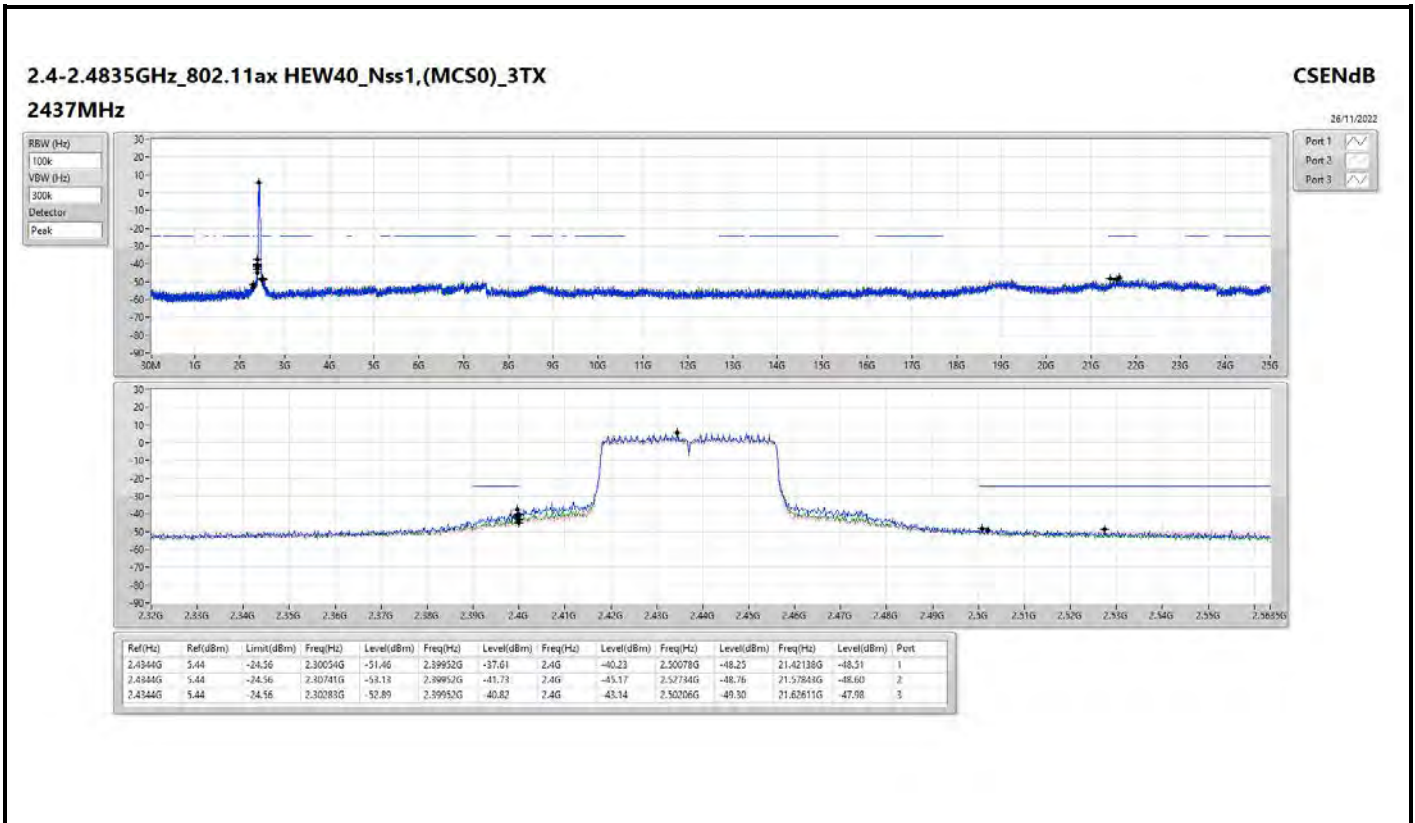










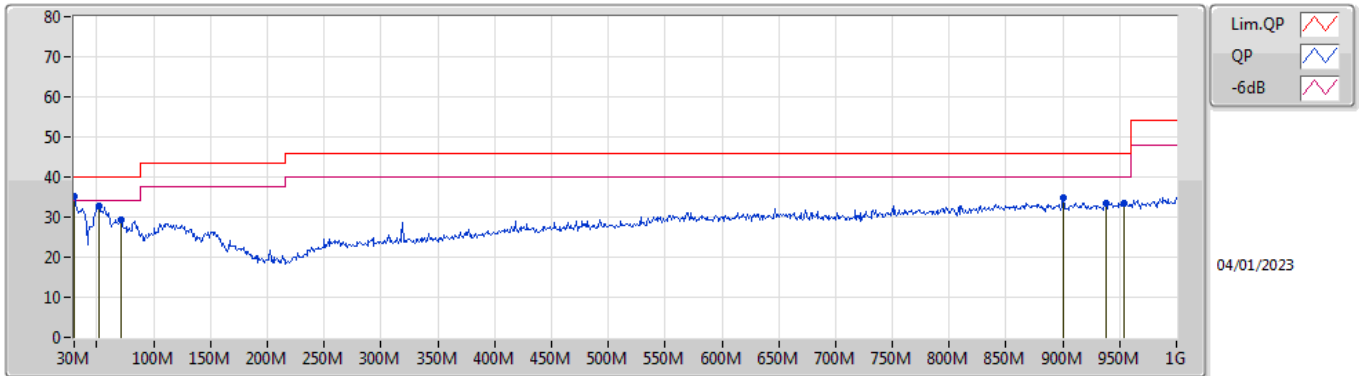




Summary

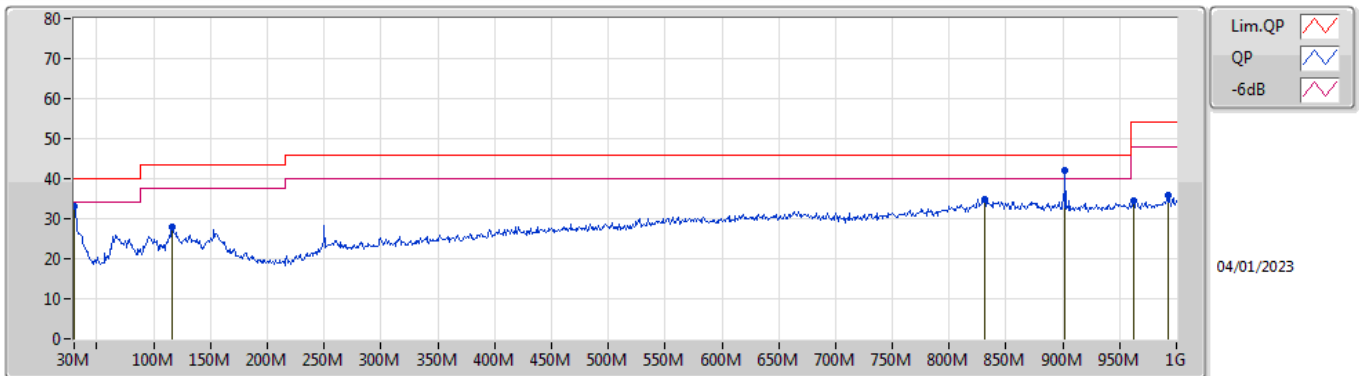
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	902.03M	41.91	46.00	-4.09	Horizontal

Mode 2



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	30M	35.21	40.00	-4.79	-2.53	3	Vertical	0	3.00	"Worst"	37.74	25.20	0.74	28.47
PK	52.31M	32.81	40.00	-7.19	-14.23	3	Vertical	74	1.25	-	47.04	13.30	0.95	28.48
PK	71.71M	29.26	40.00	-10.74	-15.03	3	Vertical	114	1.50	-	44.29	12.41	1.10	28.54
PK	900.09M	34.70	46.00	-11.30	1.74	3	Vertical	46	1.25	-	32.96	26.39	3.99	28.64
PK	937.92M	33.51	46.00	-12.49	2.15	3	Vertical	18	2.00	-	31.36	26.61	4.13	28.59
PK	954.41M	33.50	46.00	-12.50	2.44	3	Vertical	12	1.50	-	31.06	26.80	4.19	28.55

Mode 2



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	30M	33.01	40.00	-6.99	-2.53	3	Horizontal	164	3.00	-	35.54	25.20	0.74	28.47
PK	116.33M	27.97	43.50	-15.53	-9.21	3	Horizontal	88	3.00	-	37.18	17.72	1.39	28.32
PK	831.22M	34.83	46.00	-11.17	1.03	3	Horizontal	238	1.00	-	33.80	26.05	3.86	28.88
PK	902.03M	41.91	46.00	-4.09	1.75	3	Horizontal	127	3.00	"Worst"	40.16	26.39	4.00	28.64
PK	962.17M	34.55	54.00	-19.45	2.56	3	Horizontal	63	3.00	-	31.99	26.86	4.20	28.50
PK	992.24M	35.98	54.00	-18.02	3.10	3	Horizontal	147	3.00	-	32.88	27.13	4.26	28.29

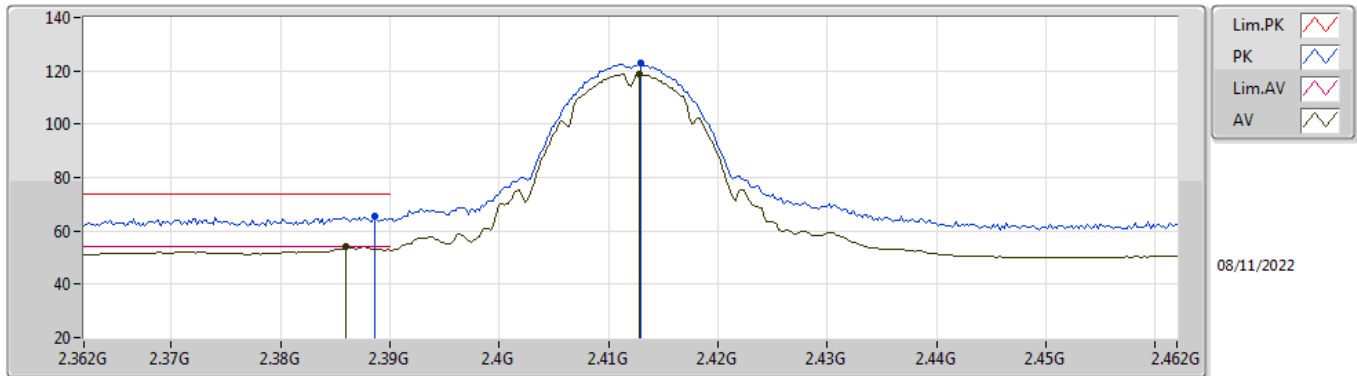


Summary

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)_3TX	Pass	AV	2.4835G	53.92	54.00	-0.08	3	Vertical	244	2.23	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2412MHz_TX

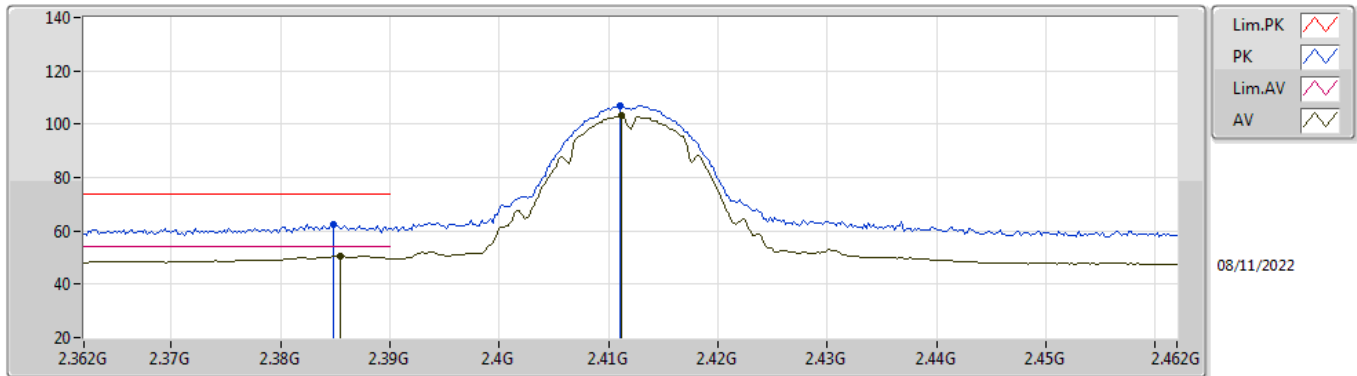


EUT_Y_3TX
Setting 97
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	65.72	74.00	-8.28	34.15	3	Vertical	224	1.48	-	28.38	3.19	-
AV	2.386G	53.90	54.00	-0.10	22.34	3	Vertical	224	1.48	-	28.37	3.19	-
PK	2.413G	122.86	Inf	-Inf	91.25	3	Vertical	224	1.48	-	28.40	3.21	-
AV	2.4128G	118.91	Inf	-Inf	87.30	3	Vertical	224	1.48	-	28.40	3.21	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2412MHz_TX

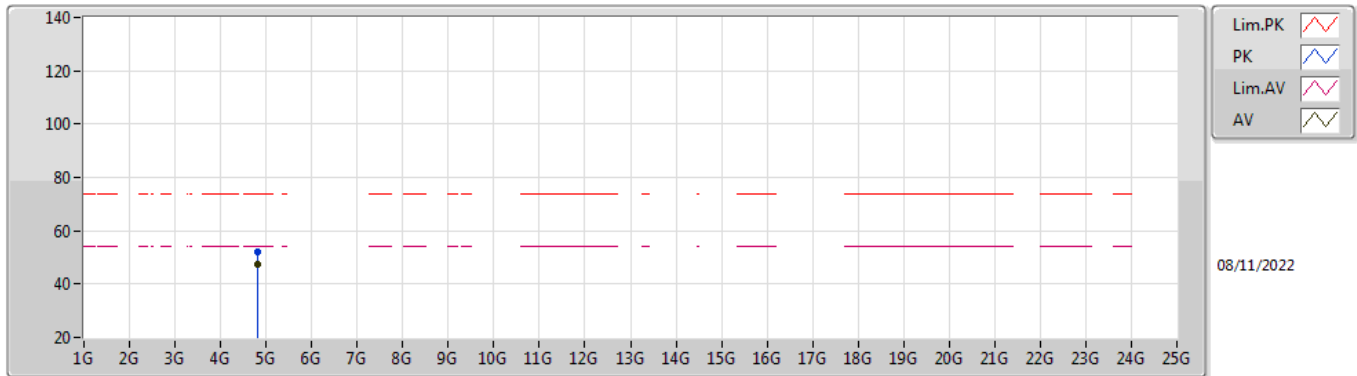


EUT_Y_3TX
Setting 97
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3848G	62.36	74.00	-11.64	30.80	3	Horizontal	322	1.98	-	28.37	3.19	-
AV	2.3854G	50.59	54.00	-3.41	19.03	3	Horizontal	322	1.98	-	28.37	3.19	-
PK	2.411G	107.01	Inf	-Inf	75.40	3	Horizontal	322	1.98	-	28.40	3.21	-
AV	2.4112G	103.34	Inf	-Inf	71.73	3	Horizontal	322	1.98	-	28.40	3.21	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2412MHz_TX

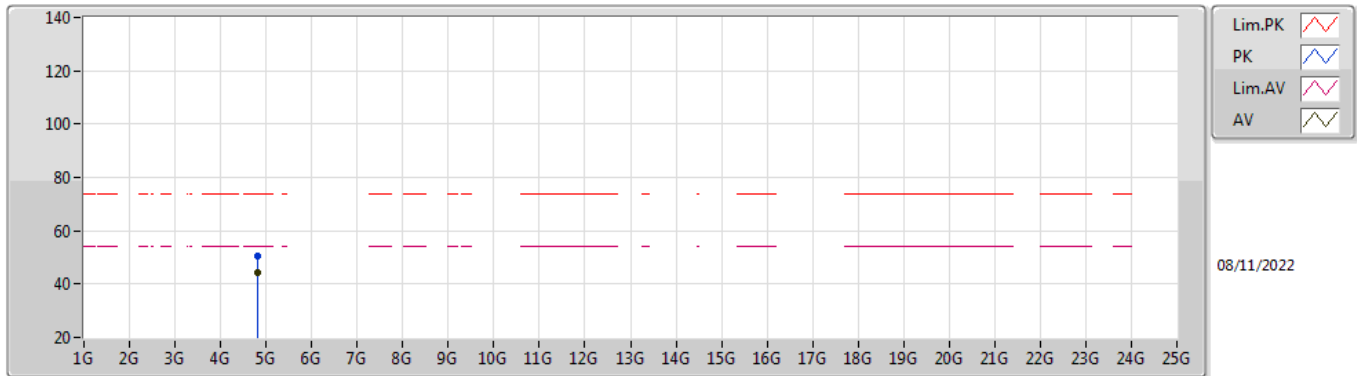


EUT Y_3TX
 Setting 97
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82394G	52.01	74.00	-21.99	44.26	3	Vertical	349	2.32	-	32.94	5.61	30.80
AV	4.824G	47.52	54.00	-6.48	39.77	3	Vertical	349	2.32	-	32.94	5.61	30.80

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2412MHz_TX

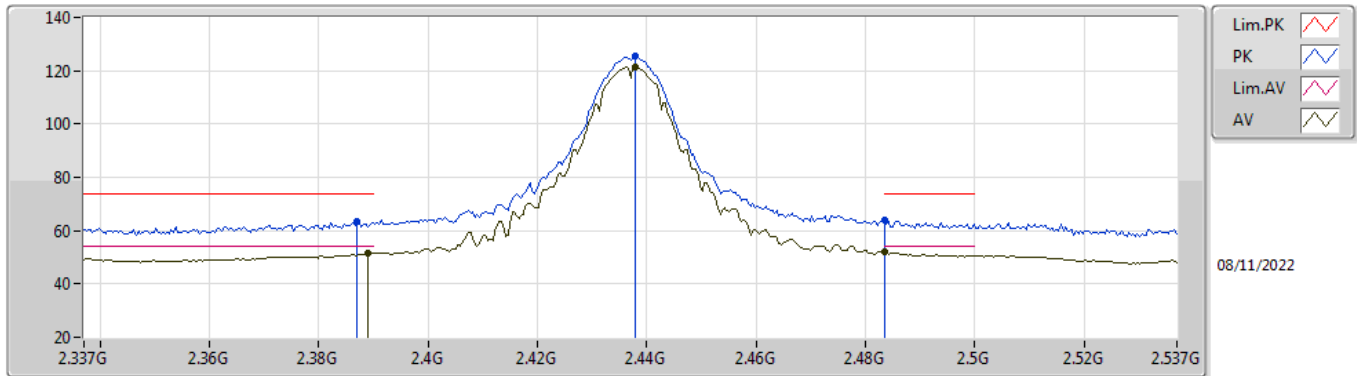


EUT Y_3TX
 Setting 97
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.824G	50.54	74.00	-23.46	42.79	3	Horizontal	168	2.29	-	32.94	5.61	30.80
AV	4.82394G	44.43	54.00	-9.57	36.68	3	Horizontal	168	2.29	-	32.94	5.61	30.80

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2437MHz_TX

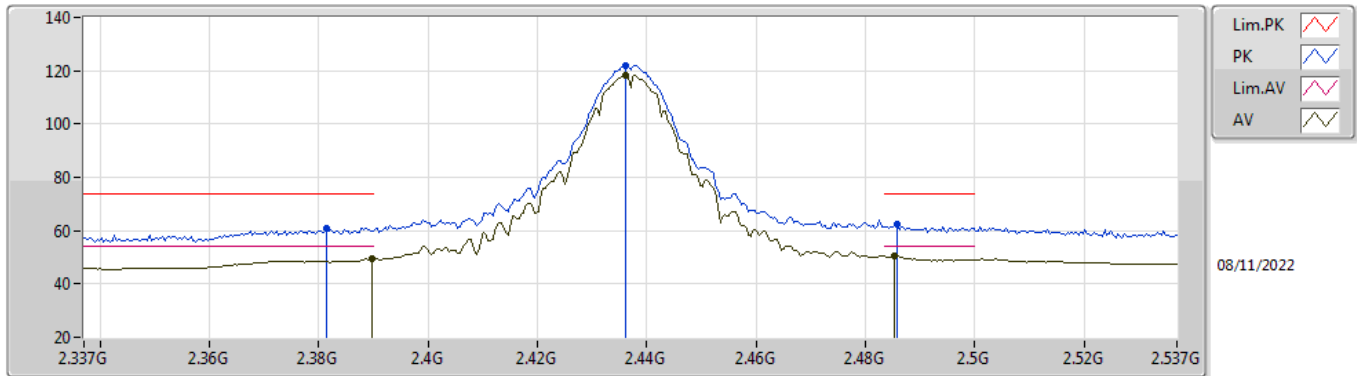


EUT Y_3TX
 Setting 108
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.387G	63.54	74.00	-10.46	31.98	3	Vertical	221	2.21	-	28.37	3.19	-
AV	2.389G	51.40	54.00	-2.60	19.83	3	Vertical	221	2.21	-	28.38	3.19	-
PK	2.4378G	125.44	Inf	-Inf	93.82	3	Vertical	221	2.21	-	28.40	3.22	-
AV	2.4378G	121.60	Inf	-Inf	89.98	3	Vertical	221	2.21	-	28.40	3.22	-
PK	2.4835G	63.90	74.00	-10.10	32.13	3	Vertical	221	2.21	-	28.53	3.24	-
AV	2.4835G	52.01	54.00	-1.99	20.24	3	Vertical	221	2.21	-	28.53	3.24	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2437MHz_TX

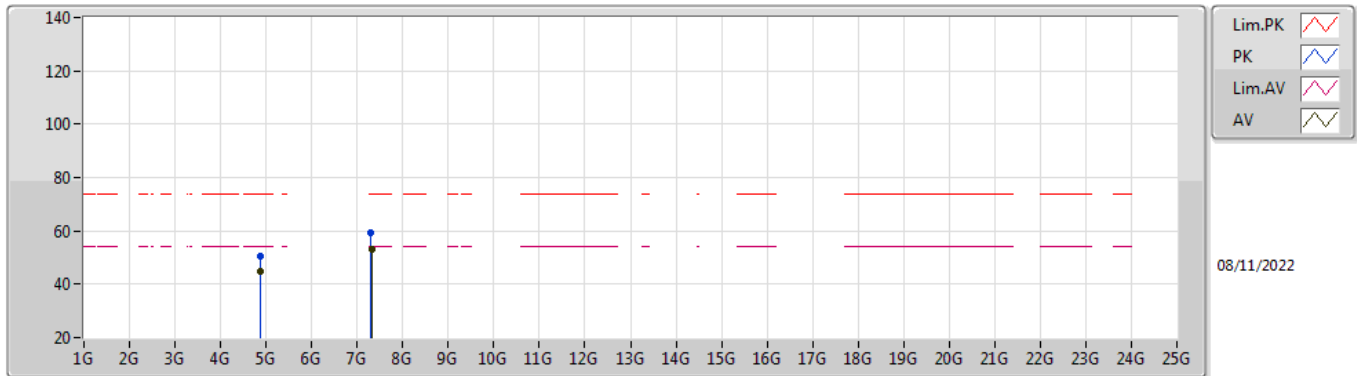


EUT Y_3TX
 Setting 108
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3814G	61.03	74.00	-12.97	29.48	3	Horizontal	169	2.94	-	28.36	3.19	-
AV	2.3898G	49.34	54.00	-4.66	17.77	3	Horizontal	169	2.94	-	28.38	3.19	-
PK	2.4362G	122.08	Inf	-Inf	90.46	3	Horizontal	169	2.94	-	28.40	3.22	-
AV	2.4362G	118.39	Inf	-Inf	86.77	3	Horizontal	169	2.94	-	28.40	3.22	-
PK	2.4858G	62.42	74.00	-11.58	30.64	3	Horizontal	169	2.94	-	28.54	3.24	-
AV	2.4854G	50.43	54.00	-3.57	18.65	3	Horizontal	169	2.94	-	28.54	3.24	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2437MHz_TX

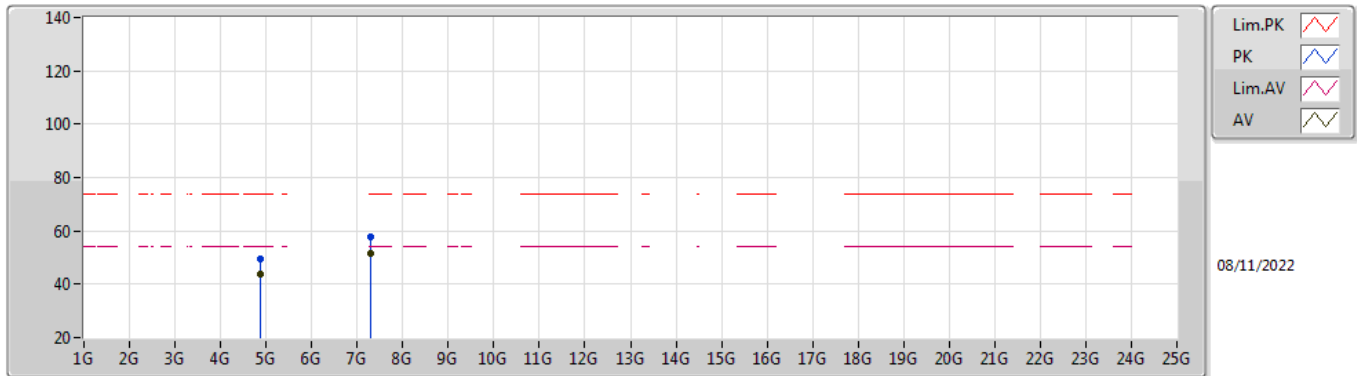


EUT_Y_3TX
Setting 108
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87382G	50.59	74.00	-23.41	42.58	3	Vertical	346	2.41	-	33.15	5.64	30.78
AV	4.87394G	44.81	54.00	-9.19	36.80	3	Vertical	346	2.41	-	33.15	5.64	30.78
PK	7.30992G	59.06	74.00	-14.94	47.71	3	Vertical	56	2.86	-	36.42	6.85	31.92
AV	7.31022G	53.16	54.00	-0.84	41.82	3	Vertical	56	2.86	-	36.42	6.84	31.92

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2437MHz_TX

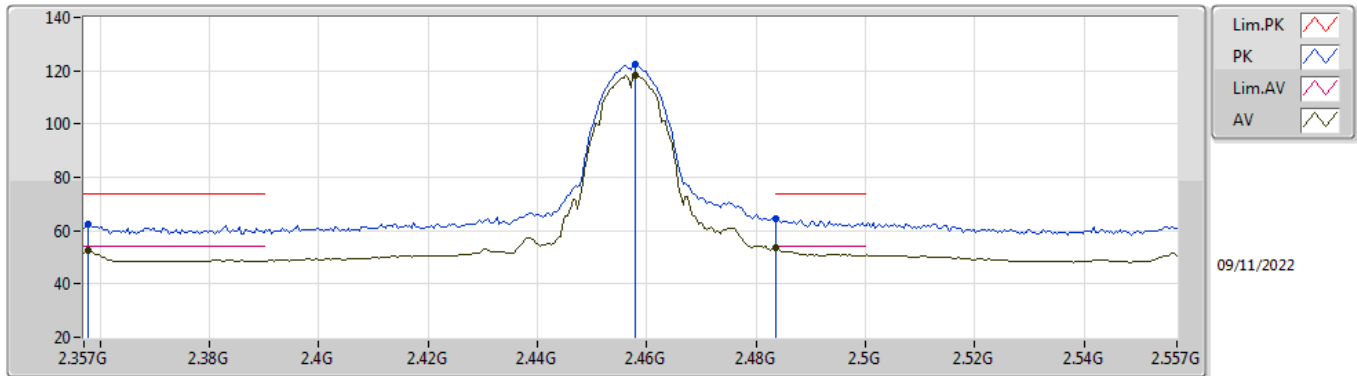


EUT_Y_3TX
 Setting 108
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87394G	49.52	74.00	-24.48	41.51	3	Horizontal	101	2.27	-	33.15	5.64	30.78
AV	4.87394G	43.57	54.00	-10.43	35.56	3	Horizontal	101	2.27	-	33.15	5.64	30.78
PK	7.31004G	57.89	74.00	-16.11	46.55	3	Horizontal	321	2.16	-	36.42	6.84	31.92
AV	7.31016G	51.79	54.00	-2.21	40.45	3	Horizontal	321	2.16	-	36.42	6.84	31.92

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2457MHz_TX

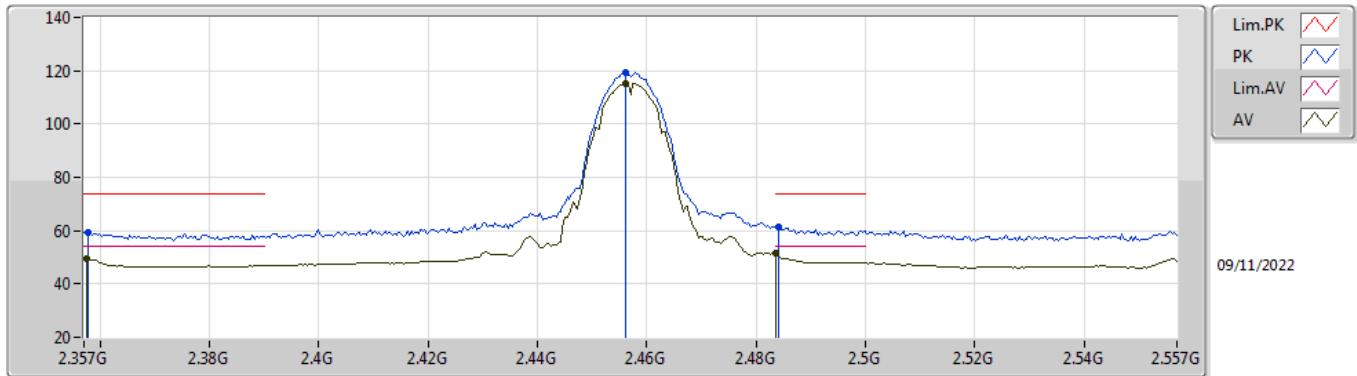


EUT Y_3TX
Setting 96
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3578G	62.27	74.00	-11.73	30.77	3	Vertical	232	1.84	-	28.32	3.18	-
AV	2.3578G	52.76	54.00	-1.24	21.26	3	Vertical	232	1.84	-	28.32	3.18	-
PK	2.4578G	122.20	Inf	-Inf	90.54	3	Vertical	232	1.84	-	28.43	3.23	-
AV	2.4578G	118.25	Inf	-Inf	86.59	3	Vertical	232	1.84	-	28.43	3.23	-
PK	2.4835G	64.60	74.00	-9.40	32.83	3	Vertical	232	1.84	-	28.53	3.24	-
AV	2.4835G	53.73	54.00	-0.27	21.96	3	Vertical	232	1.84	-	28.53	3.24	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2457MHz_TX

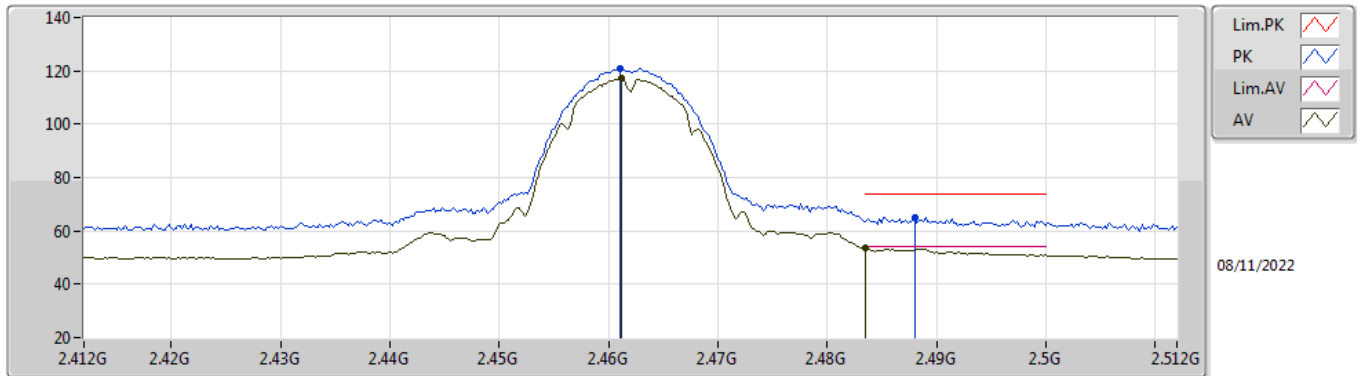


EUT Y_3TX
Setting 96
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3578G	59.53	74.00	-14.47	28.03	3	Horizontal	197	1.79	-	28.32	3.18	-
AV	2.3574G	49.67	54.00	-4.33	18.18	3	Horizontal	197	1.79	-	28.31	3.18	-
PK	2.4562G	119.32	Inf	-Inf	87.67	3	Horizontal	197	1.79	-	28.42	3.23	-
AV	2.4562G	115.34	Inf	-Inf	83.69	3	Horizontal	197	1.79	-	28.42	3.23	-
PK	2.4842G	61.60	74.00	-12.40	29.82	3	Horizontal	197	1.79	-	28.54	3.24	-
AV	2.4835G	51.71	54.00	-2.29	19.94	3	Horizontal	197	1.79	-	28.53	3.24	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2462MHz_TX

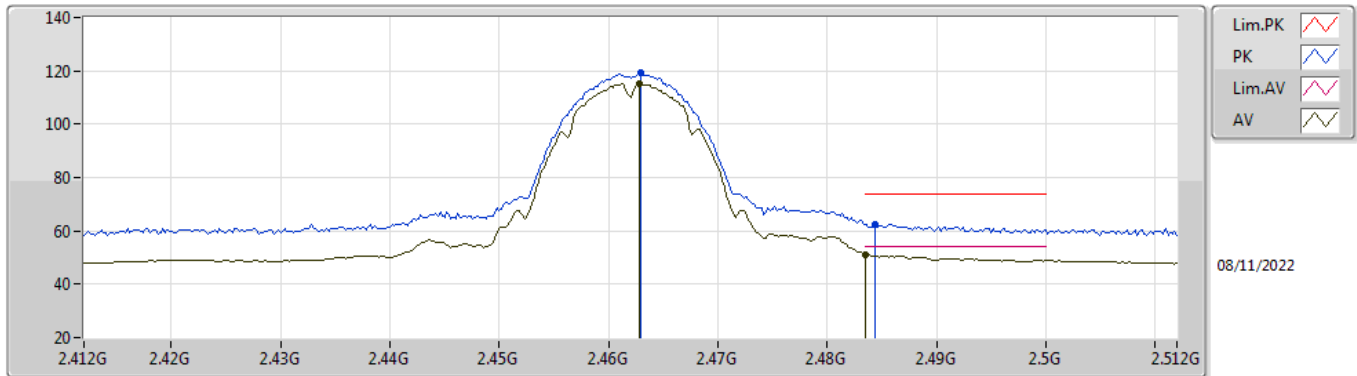


EUT_Y_3TX
 Setting 94
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	120.98	Inf	-Inf	89.31	3	Vertical	192	1.63	-	28.44	3.23	-
AV	2.4612G	117.19	Inf	-Inf	85.52	3	Vertical	192	1.63	-	28.44	3.23	-
PK	2.488G	65.19	74.00	-8.81	33.40	3	Vertical	192	1.63	-	28.55	3.24	-
AV	2.4835G	53.53	54.00	-0.47	21.76	3	Vertical	192	1.63	-	28.53	3.24	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2462MHz_TX

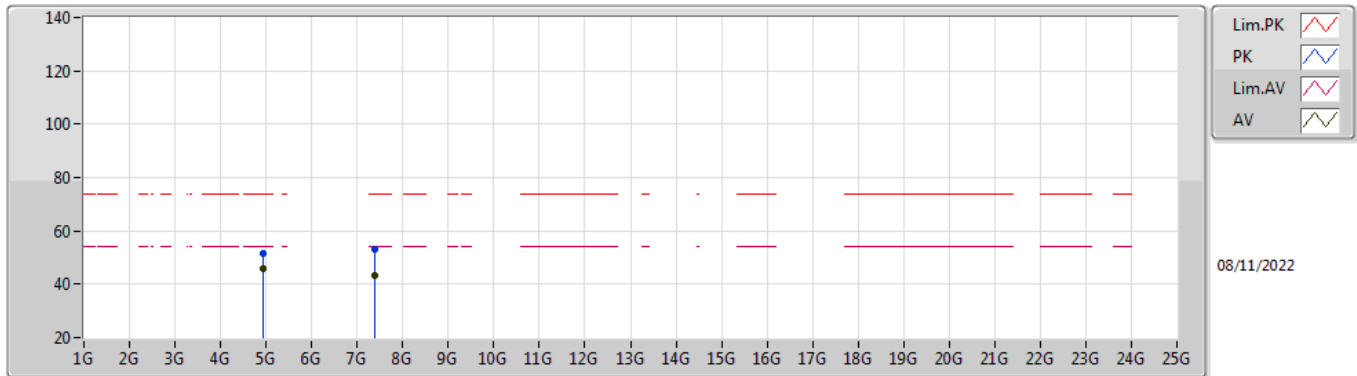


EUT_Y_3TX
Setting 94
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	119.13	Inf	-Inf	87.45	3	Horizontal	172	1.85	-	28.45	3.23	-
AV	2.4628G	115.14	Inf	-Inf	83.46	3	Horizontal	172	1.85	-	28.45	3.23	-
PK	2.4844G	62.26	74.00	-11.74	30.48	3	Horizontal	172	1.85	-	28.54	3.24	-
AV	2.4835G	51.29	54.00	-2.71	19.52	3	Horizontal	172	1.85	-	28.53	3.24	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2462MHz_TX

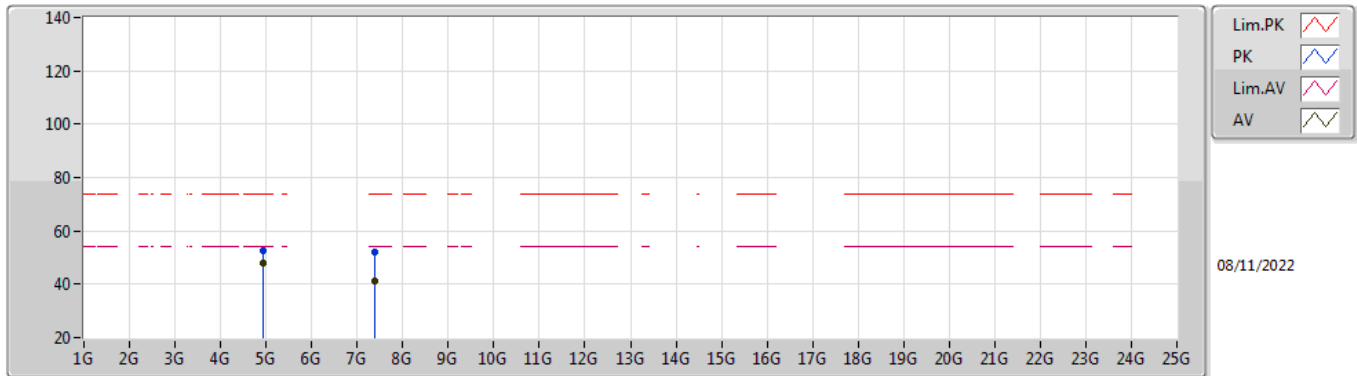


EUT_Y_3TX
Setting 94
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92382G	51.57	74.00	-22.43	43.42	3	Vertical	190	3.00	-	33.25	5.66	30.76
AV	4.92394G	46.07	54.00	-7.93	37.92	3	Vertical	190	3.00	-	33.25	5.66	30.76
PK	7.38426G	53.36	74.00	-20.64	42.01	3	Vertical	171	1.94	-	36.50	6.81	31.96
AV	7.38462G	43.22	54.00	-10.78	31.87	3	Vertical	171	1.94	-	36.50	6.81	31.96

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_3TX

2462MHz_TX

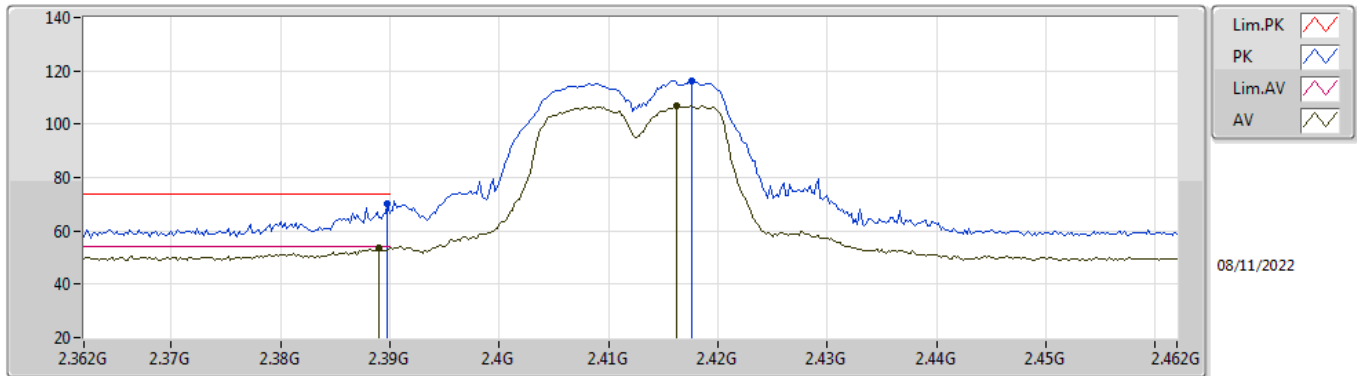


EUT_Y_3TX
 Setting 94
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92394G	52.39	74.00	-21.61	44.24	3	Horizontal	136	2.96	-	33.25	5.66	30.76
AV	4.92394G	48.15	54.00	-5.85	40.00	3	Horizontal	136	2.96	-	33.25	5.66	30.76
PK	7.3869G	52.28	74.00	-21.72	40.93	3	Horizontal	151	3.00	-	36.50	6.81	31.96
AV	7.38672G	41.13	54.00	-12.87	29.78	3	Horizontal	151	3.00	-	36.50	6.81	31.96

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2412MHz_TX

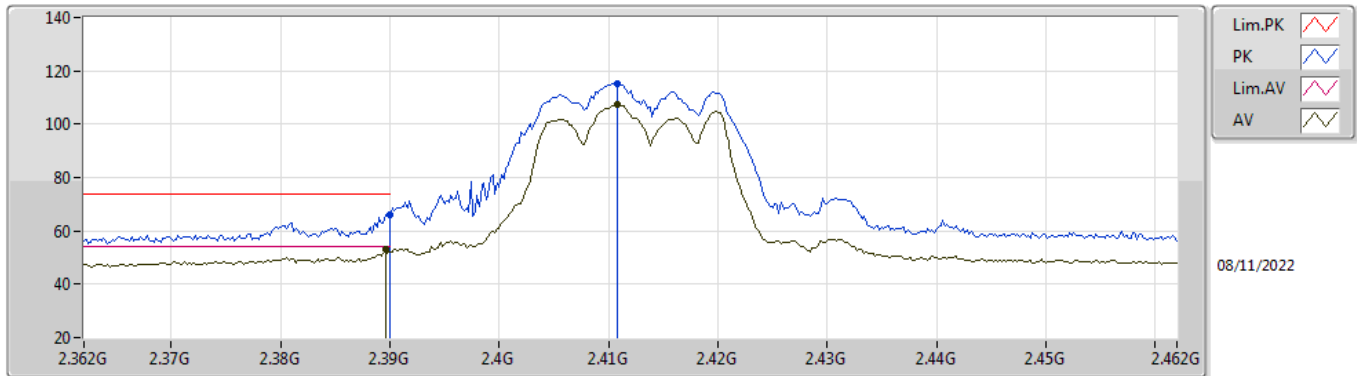


EUT_Y_3TX
 Setting 76
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	70.01	74.00	-3.99	38.44	3	Vertical	223	1.83	-	28.38	3.19	-
AV	2.389G	53.71	54.00	-0.29	22.14	3	Vertical	223	1.83	-	28.38	3.19	-
PK	2.4176G	116.44	Inf	-Inf	84.83	3	Vertical	223	1.83	-	28.40	3.21	-
AV	2.4162G	106.88	Inf	-Inf	75.27	3	Vertical	223	1.83	-	28.40	3.21	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2412MHz_TX

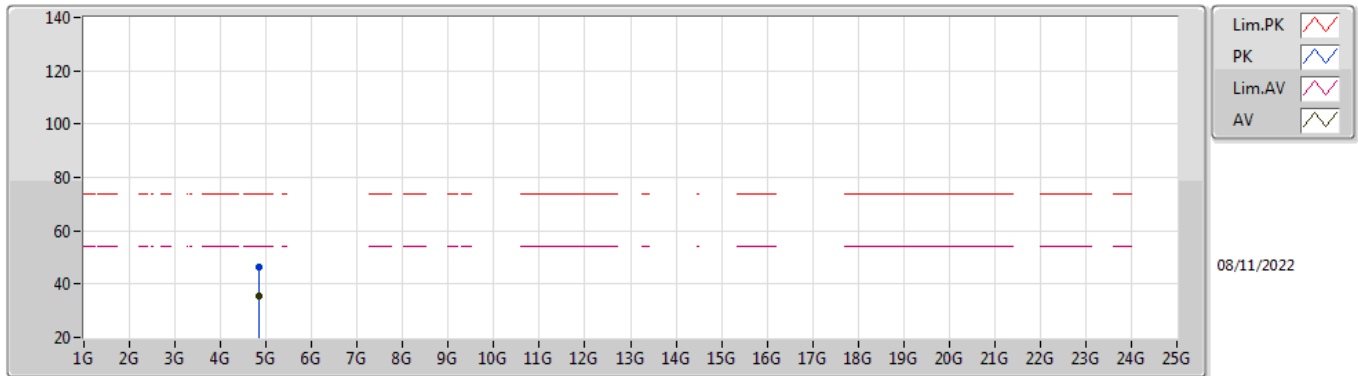


EUT_Y_3TX
 Setting 76
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.85	74.00	-8.15	34.27	3	Horizontal	156	2.02	-	28.38	3.20	-
AV	2.3896G	52.92	54.00	-1.08	21.35	3	Horizontal	156	2.02	-	28.38	3.19	-
PK	2.4108G	115.26	Inf	-Inf	83.65	3	Horizontal	156	2.02	-	28.40	3.21	-
AV	2.4108G	107.55	Inf	-Inf	75.94	3	Horizontal	156	2.02	-	28.40	3.21	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2412MHz_TX

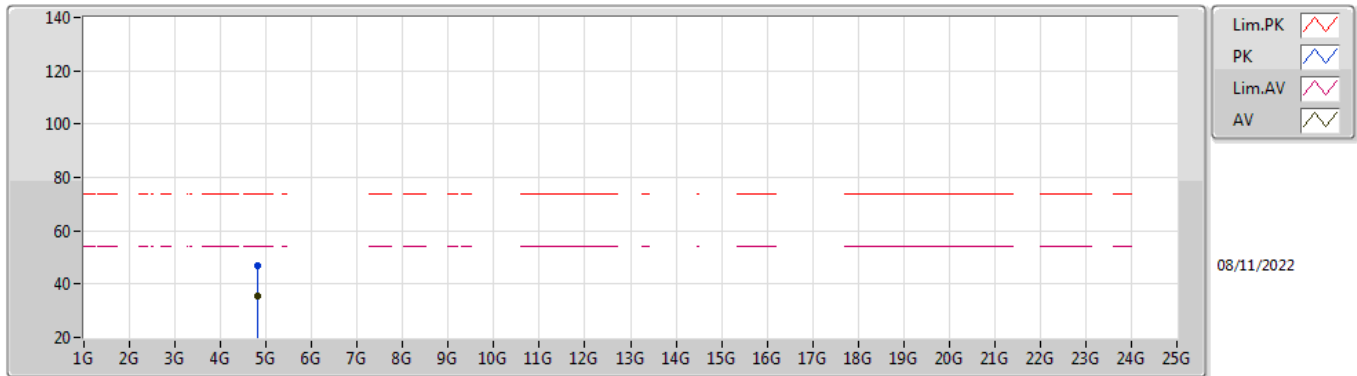


EUT Y_3TX
 Setting 76
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83648G	46.21	74.00	-27.79	38.37	3	Vertical	337	1.40	-	33.02	5.62	30.80
AV	4.83456G	35.26	54.00	-18.74	27.43	3	Vertical	337	1.40	-	33.01	5.62	30.80

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2412MHz_TX

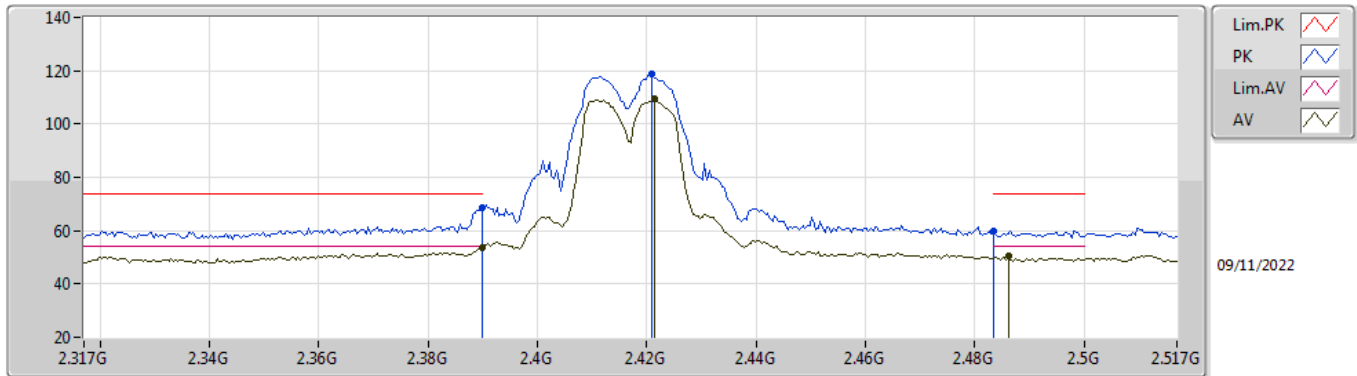


EUT Y_3TX
 Setting 76
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81242G	46.86	74.00	-27.14	39.19	3	Horizontal	45	2.93	-	32.87	5.61	30.81
AV	4.8102G	35.33	54.00	-18.67	27.67	3	Horizontal	45	2.93	-	32.86	5.61	30.81

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2417MHz_TX

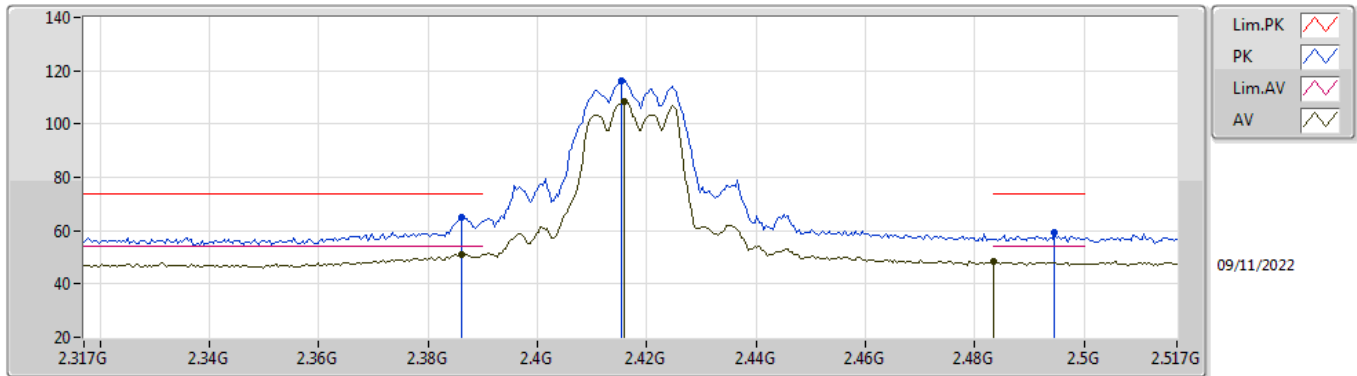


EUT Y_3TX
 Setting 81
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	68.80	74.00	-5.20	37.23	3	Vertical	233	1.83	-	28.38	3.19	-
AV	2.3898G	53.44	54.00	-0.56	21.87	3	Vertical	233	1.83	-	28.38	3.19	-
PK	2.421G	118.64	Inf	-Inf	87.03	3	Vertical	233	1.83	-	28.40	3.21	-
AV	2.4214G	109.32	Inf	-Inf	77.71	3	Vertical	233	1.83	-	28.40	3.21	-
PK	2.4835G	59.80	74.00	-14.20	28.03	3	Vertical	233	1.83	-	28.53	3.24	-
AV	2.4862G	50.52	54.00	-3.48	18.74	3	Vertical	233	1.83	-	28.54	3.24	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2417MHz_TX

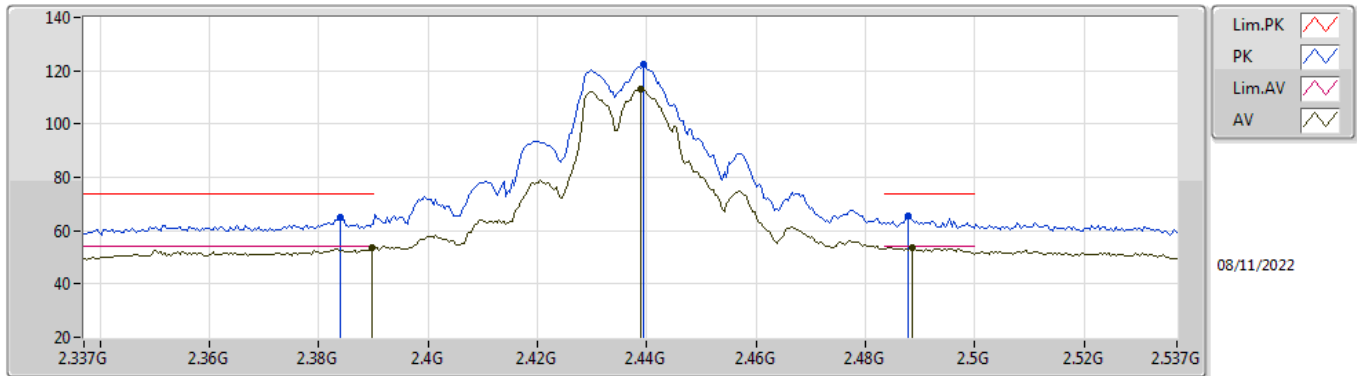


EUT_Y_3TX
 Setting 81
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3862G	65.10	74.00	-8.90	33.54	3	Horizontal	158	2.00	-	28.37	3.19	-
AV	2.3862G	51.23	54.00	-2.77	19.67	3	Horizontal	158	2.00	-	28.37	3.19	-
PK	2.4154G	116.24	Inf	-Inf	84.63	3	Horizontal	158	2.00	-	28.40	3.21	-
AV	2.4158G	108.70	Inf	-Inf	77.09	3	Horizontal	158	2.00	-	28.40	3.21	-
PK	2.4946G	59.08	74.00	-14.92	27.25	3	Horizontal	158	2.00	-	28.58	3.25	-
AV	2.4835G	48.25	54.00	-5.75	16.48	3	Horizontal	158	2.00	-	28.53	3.24	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2437MHz_TX

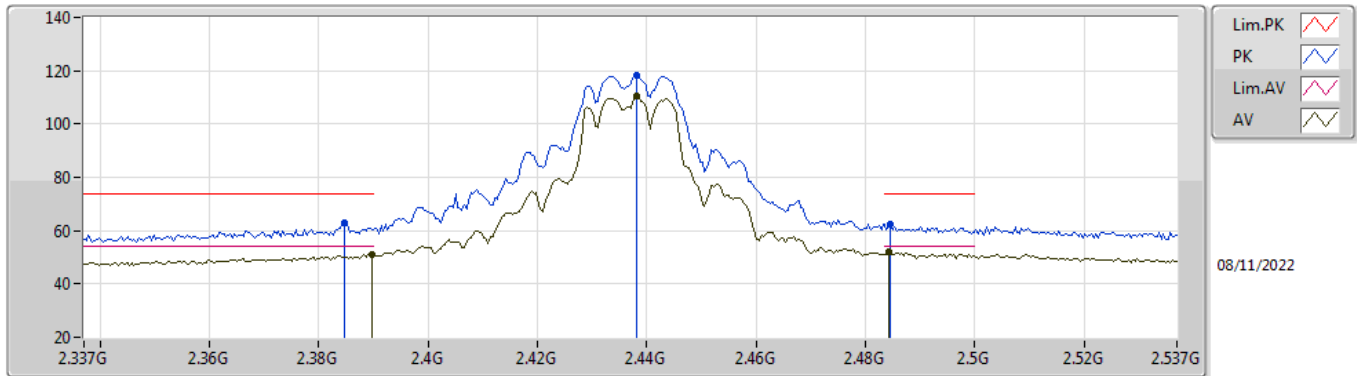


EUT Y_3TX
 Setting 94
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3838G	64.87	74.00	-9.13	33.31	3	Vertical	208	1.80	-	28.37	3.19	-
AV	2.3898G	53.44	54.00	-0.56	21.87	3	Vertical	208	1.80	-	28.38	3.19	-
PK	2.4394G	122.23	Inf	-Inf	90.61	3	Vertical	208	1.80	-	28.40	3.22	-
AV	2.439G	112.90	Inf	-Inf	81.28	3	Vertical	208	1.80	-	28.40	3.22	-
PK	2.4878G	65.42	74.00	-8.58	33.63	3	Vertical	208	1.80	-	28.55	3.24	-
AV	2.4886G	53.66	54.00	-0.34	21.87	3	Vertical	208	1.80	-	28.55	3.24	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2437MHz_TX

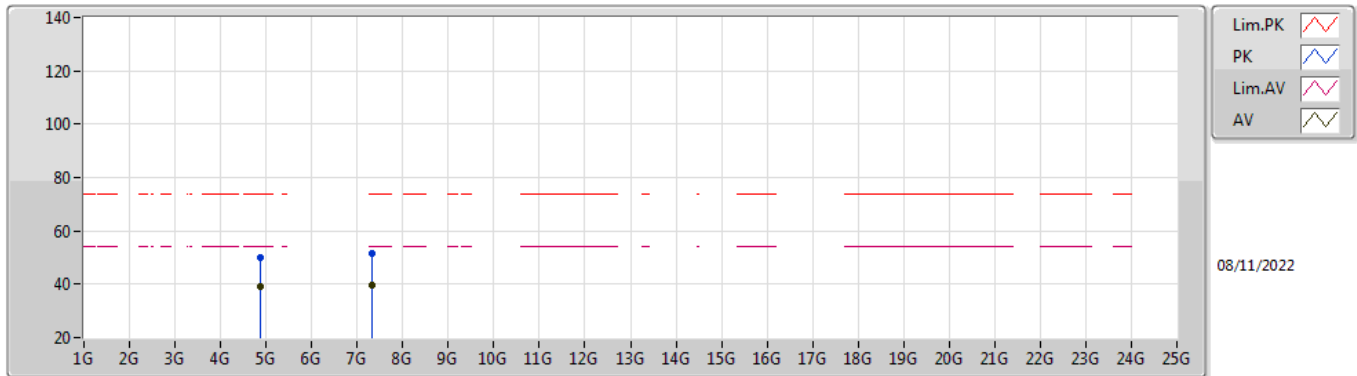


EUT Y_3TX
 Setting 94
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3846G	63.03	74.00	-10.97	31.47	3	Horizontal	162	1.80	-	28.37	3.19	-
AV	2.3898G	51.08	54.00	-2.92	19.51	3	Horizontal	162	1.80	-	28.38	3.19	-
PK	2.4382G	118.51	Inf	-Inf	86.89	3	Horizontal	162	1.80	-	28.40	3.22	-
AV	2.4382G	110.56	Inf	-Inf	78.94	3	Horizontal	162	1.80	-	28.40	3.22	-
PK	2.4846G	62.57	74.00	-11.43	30.79	3	Horizontal	162	1.80	-	28.54	3.24	-
AV	2.4842G	51.99	54.00	-2.01	20.21	3	Horizontal	162	1.80	-	28.54	3.24	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2437MHz_TX

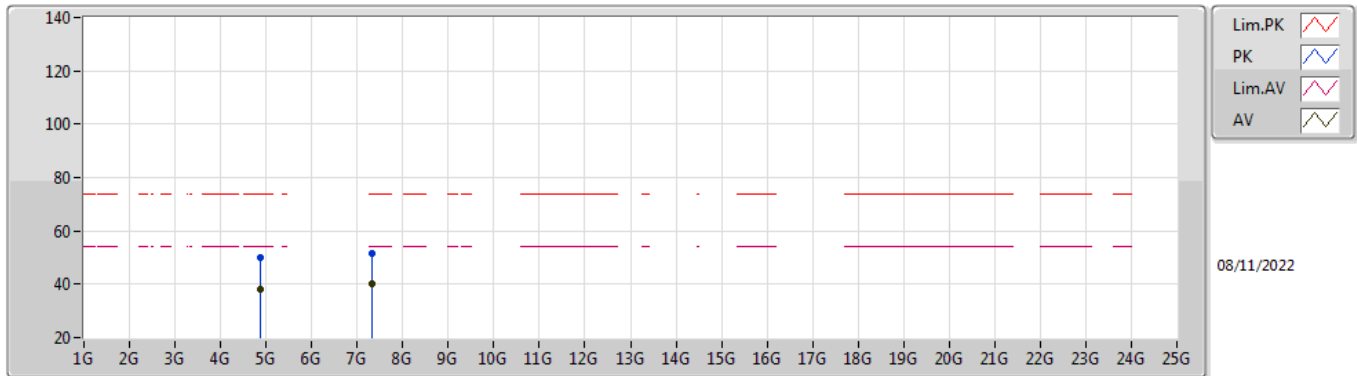


EUT Y_3TX
 Setting 94
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86698G	49.75	74.00	-24.25	41.78	3	Vertical	168	1.59	-	33.13	5.63	30.79
AV	4.86752G	39.07	54.00	-14.93	31.09	3	Vertical	168	1.59	-	33.14	5.63	30.79
PK	7.31376G	51.38	74.00	-22.62	40.03	3	Vertical	353	1.76	-	36.43	6.84	31.92
AV	7.32462G	39.69	54.00	-14.31	28.33	3	Vertical	353	1.76	-	36.45	6.84	31.93

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2437MHz_TX

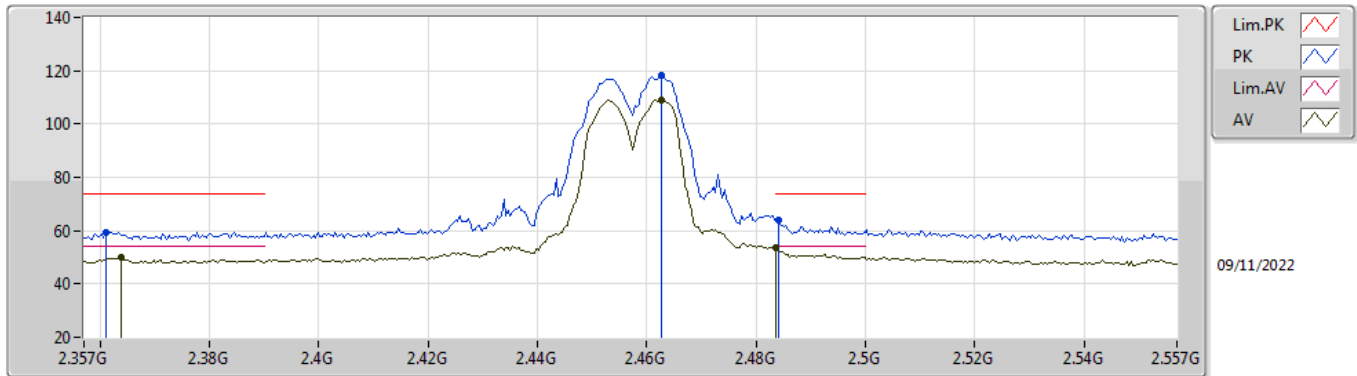


EUT_Y_3TX
 Setting 94
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8704G	49.88	74.00	-24.12	41.88	3	Horizontal	323	2.11	-	33.14	5.64	30.78
AV	4.87544G	38.23	54.00	-15.77	30.22	3	Horizontal	323	2.11	-	33.15	5.64	30.78
PK	7.31886G	51.73	74.00	-22.27	40.37	3	Horizontal	339	2.88	-	36.44	6.84	31.92
AV	7.31532G	40.40	54.00	-13.60	29.05	3	Horizontal	339	2.88	-	36.43	6.84	31.92

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2457MHz_TX

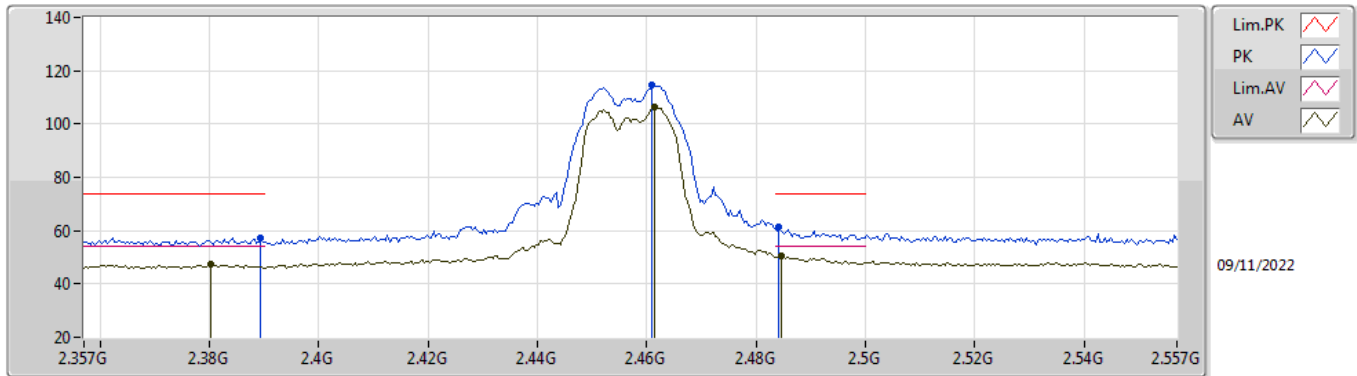


EUT Y_3TX
 Setting 77
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.361G	59.47	74.00	-14.53	27.97	3	Vertical	222	1.85	-	28.32	3.18	-
AV	2.3638G	49.77	54.00	-4.23	18.26	3	Vertical	222	1.85	-	28.33	3.18	-
PK	2.4626G	118.29	Inf	-Inf	86.61	3	Vertical	222	1.85	-	28.45	3.23	-
AV	2.4626G	109.08	Inf	-Inf	77.40	3	Vertical	222	1.85	-	28.45	3.23	-
PK	2.4842G	63.89	74.00	-10.11	32.11	3	Vertical	222	1.85	-	28.54	3.24	-
AV	2.4835G	53.54	54.00	-0.46	21.77	3	Vertical	222	1.85	-	28.53	3.24	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2457MHz_TX

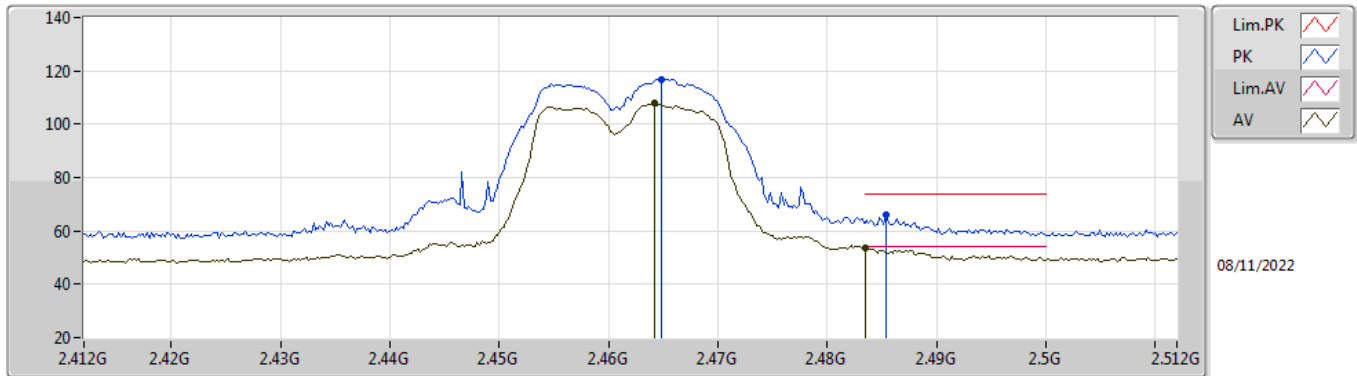


EUT Y_3TX
 Setting 77
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	57.16	74.00	-16.84	25.59	3	Horizontal	174	2.62	-	28.38	3.19	-
AV	2.3802G	47.22	54.00	-6.78	15.67	3	Horizontal	174	2.62	-	28.36	3.19	-
PK	2.461G	114.46	Inf	-Inf	82.79	3	Horizontal	174	2.62	-	28.44	3.23	-
AV	2.4614G	106.36	Inf	-Inf	74.68	3	Horizontal	174	2.62	-	28.45	3.23	-
PK	2.4842G	61.30	74.00	-12.70	29.52	3	Horizontal	174	2.62	-	28.54	3.24	-
AV	2.4846G	50.26	54.00	-3.74	18.48	3	Horizontal	174	2.62	-	28.54	3.24	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2462MHz_TX

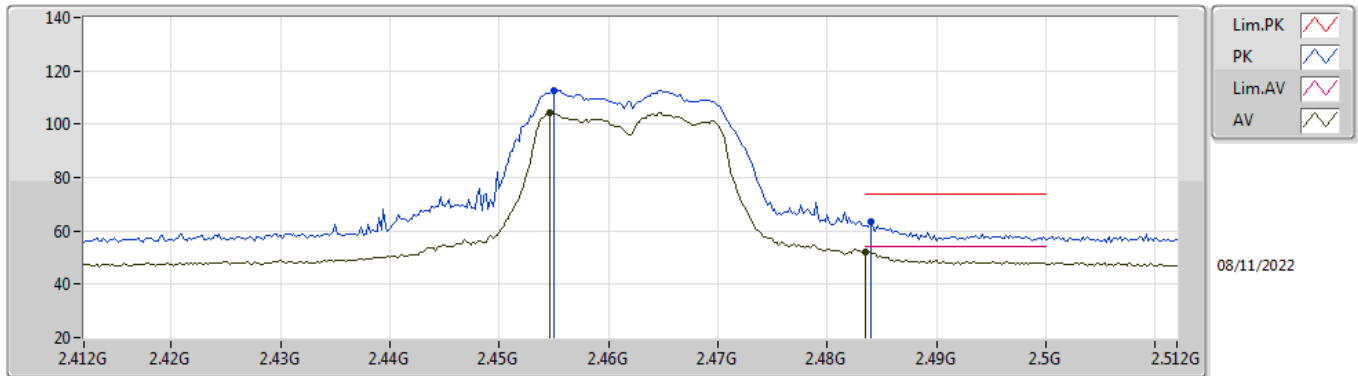


EUT_Y_3TX
Setting 74
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4648G	116.87	Inf	-Inf	85.18	3	Vertical	241	1.84	-	28.46	3.23	-
AV	2.4642G	107.89	Inf	-Inf	76.20	3	Vertical	241	1.84	-	28.46	3.23	-
PK	2.4854G	65.82	74.00	-8.18	34.04	3	Vertical	241	1.84	-	28.54	3.24	-
AV	2.4835G	53.75	54.00	-0.25	21.98	3	Vertical	241	1.84	-	28.53	3.24	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2462MHz_TX

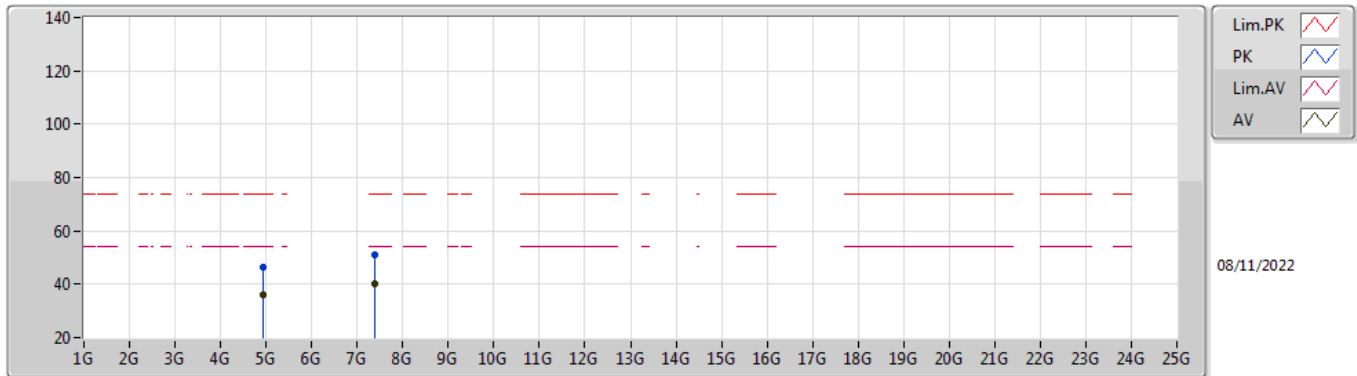


EUT Y_3TX
 Setting 74
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.455G	112.58	Inf	-Inf	80.93	3	Horizontal	191	1.80	-	28.42	3.23	-
AV	2.4546G	104.55	Inf	-Inf	72.90	3	Horizontal	191	1.80	-	28.42	3.23	-
PK	2.484G	63.57	74.00	-10.43	31.79	3	Horizontal	191	1.80	-	28.54	3.24	-
AV	2.4835G	51.87	54.00	-2.13	20.10	3	Horizontal	191	1.80	-	28.53	3.24	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2462MHz_TX

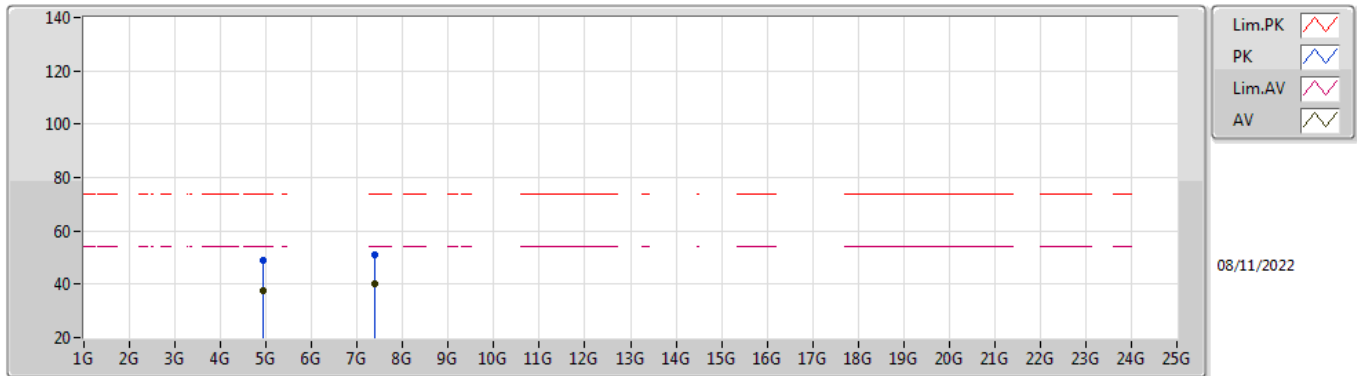


EUT_Y_3TX
 Setting 74
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.93516G	46.59	74.00	-27.41	38.41	3	Vertical	62	2.68	-	33.27	5.67	30.76
AV	4.92892G	35.87	54.00	-18.13	27.71	3	Vertical	62	2.68	-	33.26	5.66	30.76
PK	7.38126G	50.95	74.00	-23.05	39.60	3	Vertical	70	1.63	-	36.50	6.81	31.96
AV	7.39092G	40.43	54.00	-13.57	29.10	3	Vertical	70	1.63	-	36.50	6.80	31.97

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_3TX

2462MHz_TX

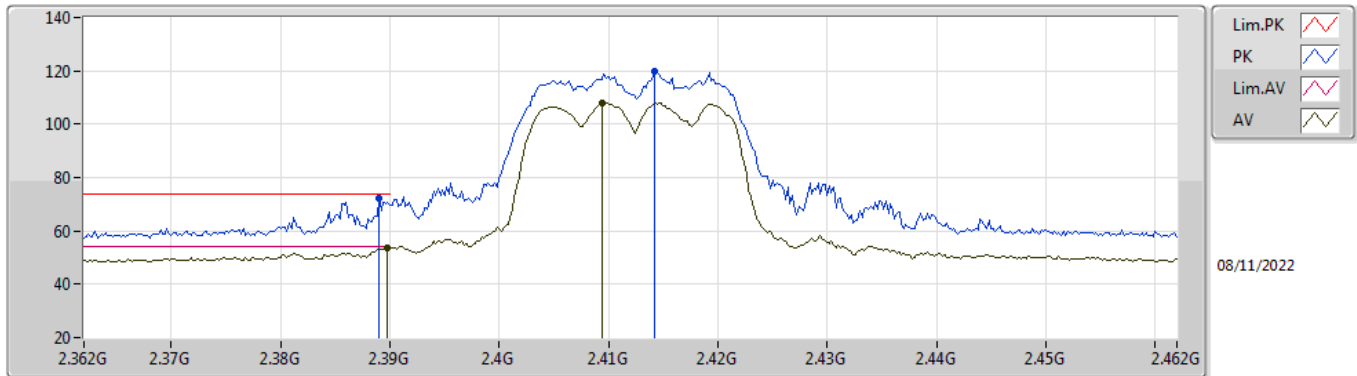


EUT_Y_3TX
 Setting 74
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.93336G	48.74	74.00	-25.26	40.56	3	Horizontal	137	2.40	-	33.27	5.67	30.76
AV	4.9228G	37.44	54.00	-16.56	29.29	3	Horizontal	137	2.40	-	33.25	5.66	30.76
PK	7.39644G	50.83	74.00	-23.17	39.50	3	Horizontal	234	2.00	-	36.50	6.80	31.97
AV	7.39386G	40.15	54.00	-13.85	28.82	3	Horizontal	234	2.00	-	36.50	6.80	31.97

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2412MHz_TX

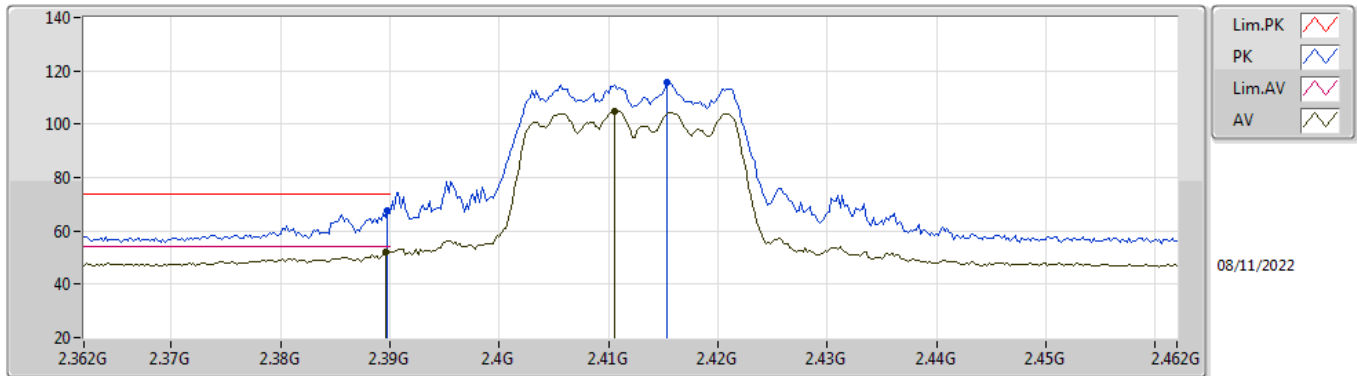


EUT_Y_3TX
 Setting 72
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	72.36	74.00	-1.64	40.79	3	Vertical	195	1.65	-	28.38	3.19	-
AV	2.3898G	53.54	54.00	-0.46	21.97	3	Vertical	195	1.65	-	28.38	3.19	-
PK	2.4142G	119.59	Inf	-Inf	87.98	3	Vertical	195	1.65	-	28.40	3.21	-
AV	2.4094G	108.00	Inf	-Inf	76.40	3	Vertical	195	1.65	-	28.40	3.20	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2412MHz_TX

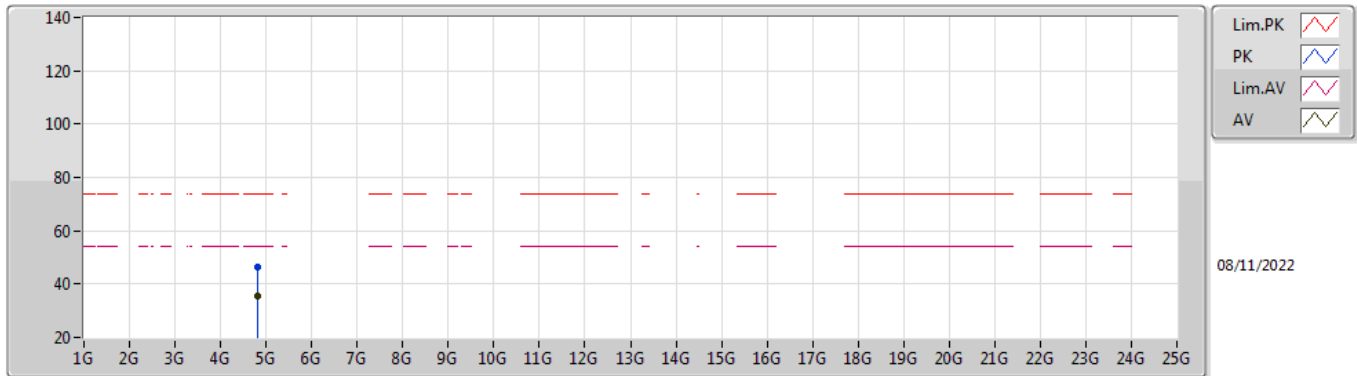


EUT_Y_3TX
Setting 72
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	67.54	74.00	-6.46	35.97	3	Horizontal	320	1.78	-	28.38	3.19	-
AV	2.3896G	52.07	54.00	-1.93	20.50	3	Horizontal	320	1.78	-	28.38	3.19	-
PK	2.4154G	115.79	Inf	-Inf	84.18	3	Horizontal	320	1.78	-	28.40	3.21	-
AV	2.4106G	105.00	Inf	-Inf	73.39	3	Horizontal	320	1.78	-	28.40	3.21	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2412MHz_TX

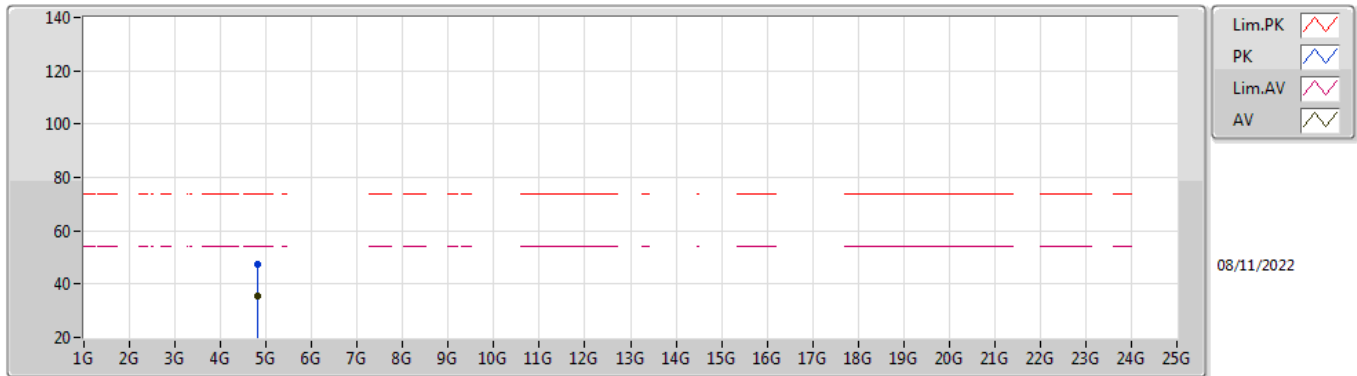


EUT Y_3TX
 Setting 72
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82808G	46.40	74.00	-27.60	38.62	3	Vertical	257	2.03	-	32.97	5.61	30.80
AV	4.82536G	35.36	54.00	-18.64	27.60	3	Vertical	257	2.03	-	32.95	5.61	30.80

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2412MHz_TX

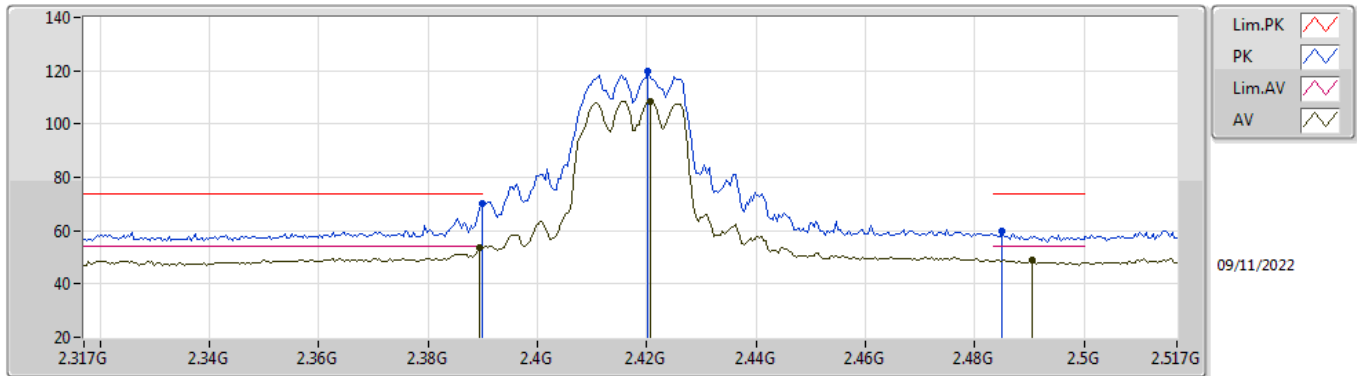


EUT Y_3TX
 Setting 72
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82212G	47.19	74.00	-26.81	39.45	3	Horizontal	210	1.10	-	32.93	5.61	30.80
AV	4.82218G	35.69	54.00	-18.31	27.95	3	Horizontal	210	1.10	-	32.93	5.61	30.80

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2417MHz_TX

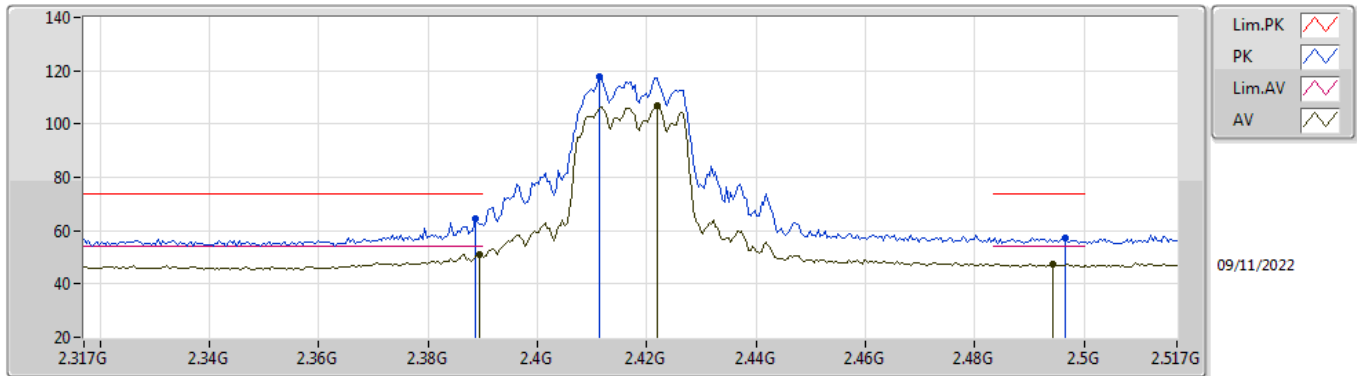


EUT Y_3TX
Setting 77
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	70.20	74.00	-3.80	38.63	3	Vertical	246	2.01	-	28.38	3.19	-
AV	2.3894G	53.66	54.00	-0.34	22.09	3	Vertical	246	2.01	-	28.38	3.19	-
PK	2.4202G	119.72	Inf	-Inf	88.11	3	Vertical	246	2.01	-	28.40	3.21	-
AV	2.4206G	108.63	Inf	-Inf	77.02	3	Vertical	246	2.01	-	28.40	3.21	-
PK	2.485G	59.60	74.00	-14.40	27.82	3	Vertical	246	2.01	-	28.54	3.24	-
AV	2.4906G	49.01	54.00	-4.99	17.20	3	Vertical	246	2.01	-	28.56	3.25	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2417MHz_TX

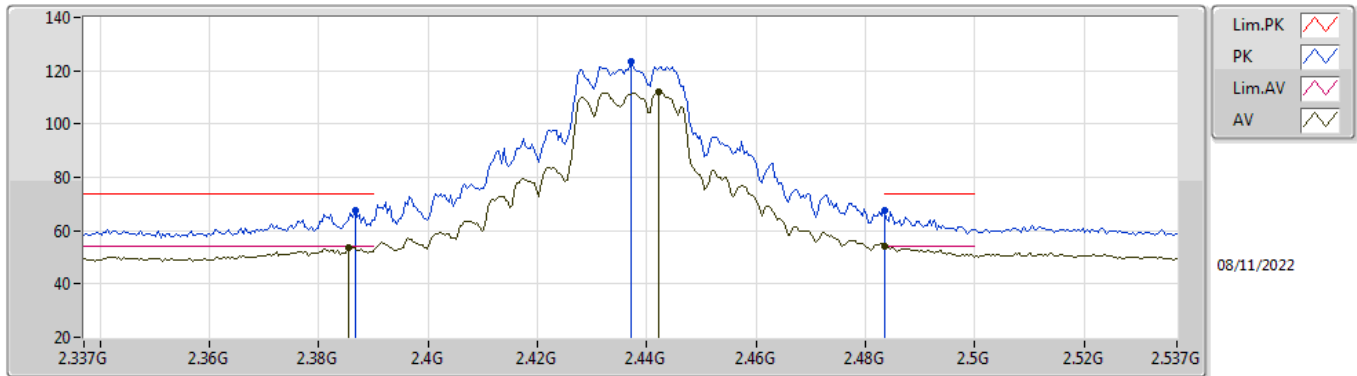


EUT Y_3TX
 Setting 77
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	64.30	74.00	-9.70	32.73	3	Horizontal	152	2.24	-	28.38	3.19	-
AV	2.3894G	51.16	54.00	-2.84	19.59	3	Horizontal	152	2.24	-	28.38	3.19	-
PK	2.4114G	117.81	Inf	-Inf	86.20	3	Horizontal	152	2.24	-	28.40	3.21	-
AV	2.4218G	106.71	Inf	-Inf	75.10	3	Horizontal	152	2.24	-	28.40	3.21	-
PK	2.4966G	57.21	74.00	-16.79	25.37	3	Horizontal	152	2.24	-	28.59	3.25	-
AV	2.4942G	47.34	54.00	-6.66	15.51	3	Horizontal	152	2.24	-	28.58	3.25	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2437MHz_TX

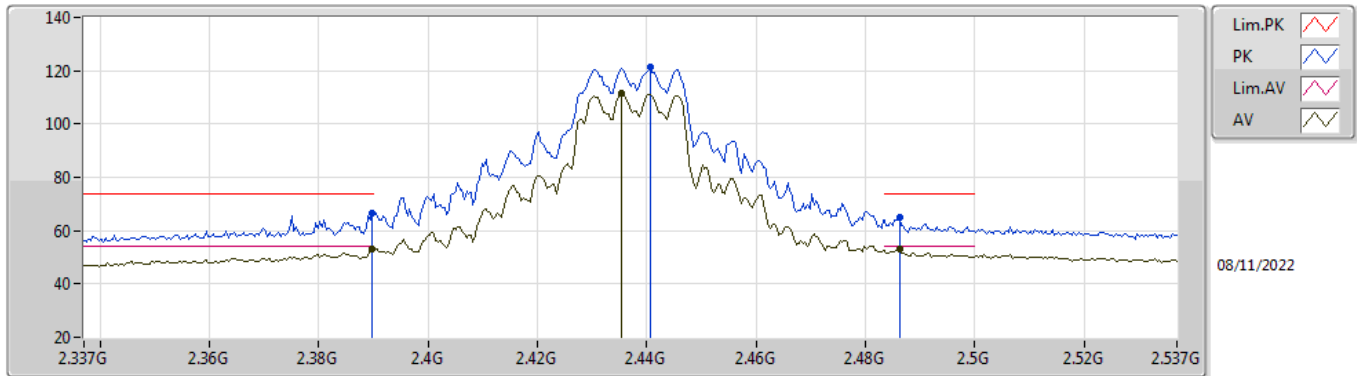


EUT Y_3TX
 Setting 96
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	67.48	74.00	-6.52	35.92	3	Vertical	244	2.23	-	28.37	3.19	-
AV	2.3854G	53.63	54.00	-0.37	22.07	3	Vertical	244	2.23	-	28.37	3.19	-
PK	2.437G	123.27	Inf	-Inf	91.65	3	Vertical	244	2.23	-	28.40	3.22	-
AV	2.4422G	112.22	Inf	-Inf	80.60	3	Vertical	244	2.23	-	28.40	3.22	-
PK	2.4835G	67.55	74.00	-6.45	35.78	3	Vertical	244	2.23	-	28.53	3.24	-
AV	2.4835G	53.92	54.00	-0.08	22.15	3	Vertical	244	2.23	-	28.53	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2437MHz_TX

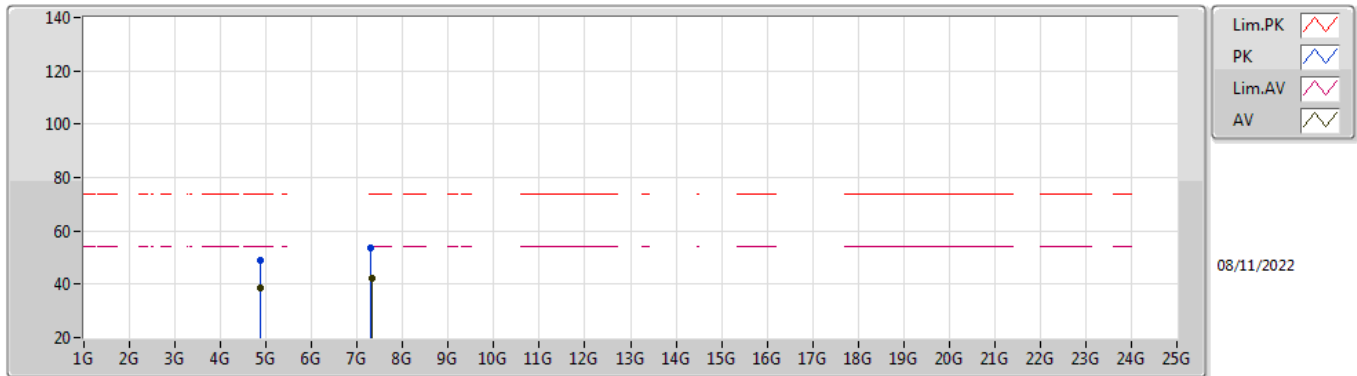


EUT Y_3TX
 Setting 96
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	66.61	74.00	-7.39	35.04	3	Horizontal	161	1.78	-	28.38	3.19	-
AV	2.3898G	53.34	54.00	-0.66	21.77	3	Horizontal	161	1.78	-	28.38	3.19	-
PK	2.4406G	121.39	Inf	-Inf	89.77	3	Horizontal	161	1.78	-	28.40	3.22	-
AV	2.4354G	111.54	Inf	-Inf	79.92	3	Horizontal	161	1.78	-	28.40	3.22	-
PK	2.4862G	65.09	74.00	-8.91	33.31	3	Horizontal	161	1.78	-	28.54	3.24	-
AV	2.4862G	53.07	54.00	-0.93	21.29	3	Horizontal	161	1.78	-	28.54	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2437MHz_TX

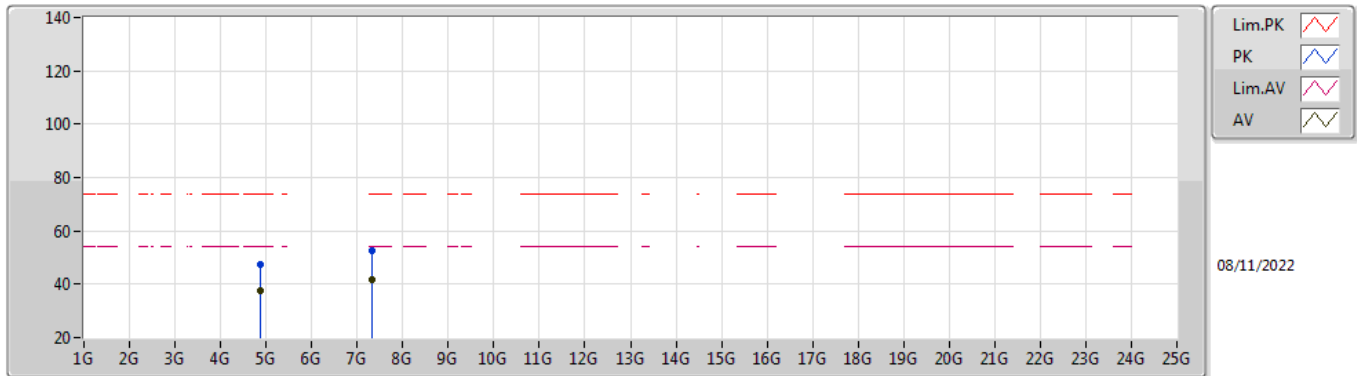


EUT_Y_3TX
 Setting 96
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8686G	49.18	74.00	-24.82	41.20	3	Vertical	168	1.36	-	33.14	5.63	30.79
AV	4.86776G	38.78	54.00	-15.22	30.80	3	Vertical	168	1.36	-	33.14	5.63	30.79
PK	7.3074G	53.74	74.00	-20.26	42.40	3	Vertical	58	2.95	-	36.41	6.85	31.92
AV	7.31712G	42.30	54.00	-11.70	30.95	3	Vertical	58	2.95	-	36.43	6.84	31.92

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2437MHz_TX

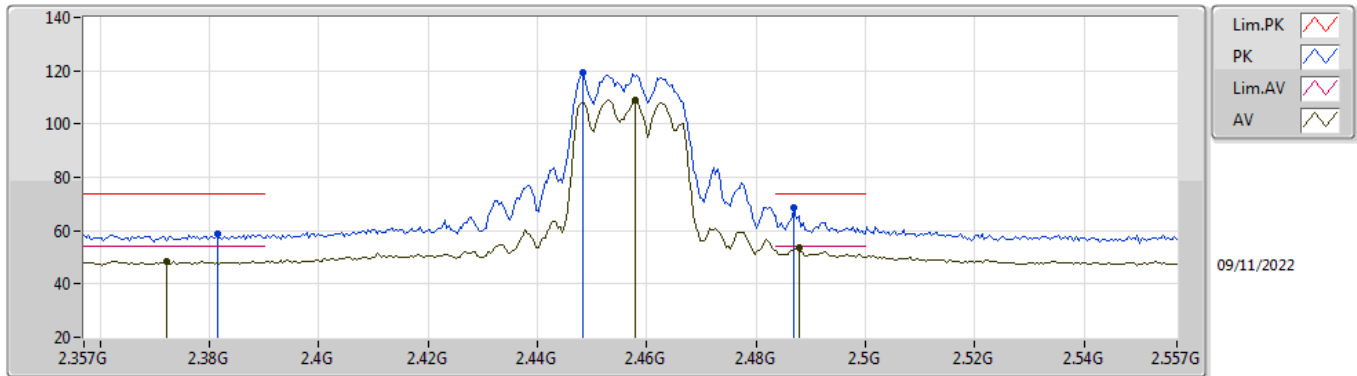


EUT_Y_3TX
 Setting 96
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8662G	47.55	74.00	-26.45	39.58	3	Horizontal	137	1.80	-	33.13	5.63	30.79
AV	4.8758G	37.39	54.00	-16.61	29.38	3	Horizontal	137	1.80	-	33.15	5.64	30.78
PK	7.31724G	52.36	74.00	-21.64	41.01	3	Horizontal	34	1.79	-	36.43	6.84	31.92
AV	7.31784G	41.97	54.00	-12.03	30.61	3	Horizontal	34	1.79	-	36.44	6.84	31.92

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2457MHz_TX

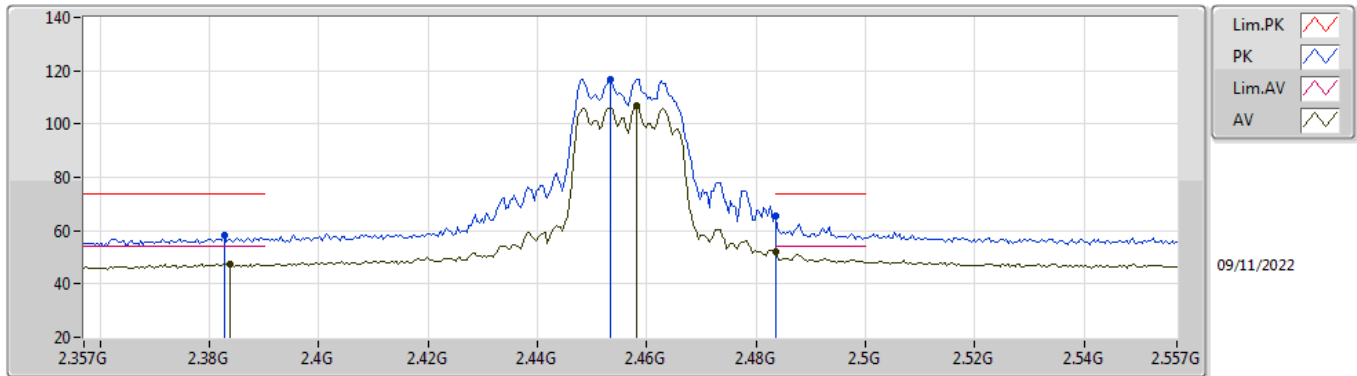


EUT Y_3TX
 Setting 76
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3814G	58.71	74.00	-15.29	27.16	3	Vertical	192	1.66	-	28.36	3.19	-
AV	2.3722G	48.56	54.00	-5.44	17.03	3	Vertical	192	1.66	-	28.34	3.19	-
PK	2.4482G	119.10	Inf	-Inf	87.48	3	Vertical	192	1.66	-	28.40	3.22	-
AV	2.4578G	108.79	Inf	-Inf	77.13	3	Vertical	192	1.66	-	28.43	3.23	-
PK	2.487G	68.62	74.00	-5.38	36.83	3	Vertical	192	1.66	-	28.55	3.24	-
AV	2.4878G	53.47	54.00	-0.53	21.68	3	Vertical	192	1.66	-	28.55	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2457MHz_TX

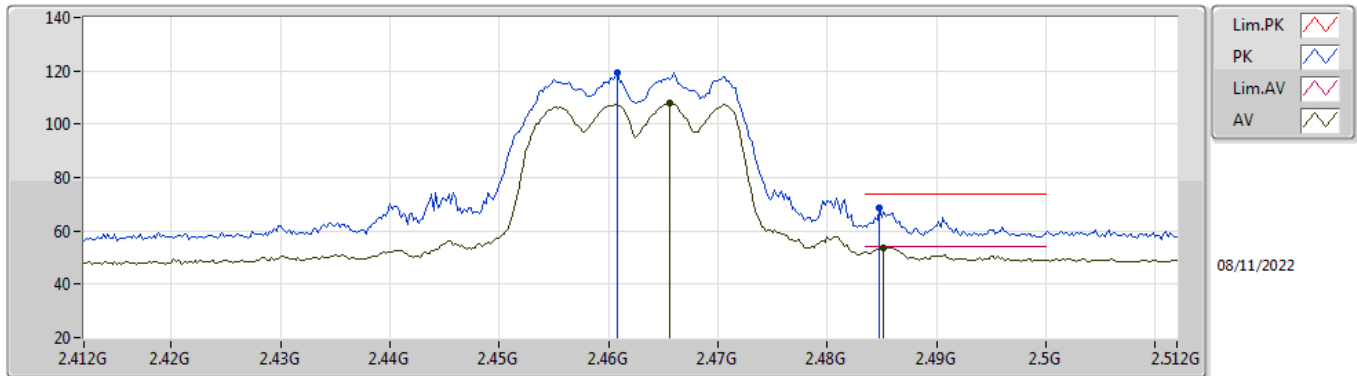


EUT Y_3TX
 Setting 76
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3826G	58.26	74.00	-15.74	26.70	3	Horizontal	155	2.01	-	28.37	3.19	-
AV	2.3838G	47.66	54.00	-6.34	16.10	3	Horizontal	155	2.01	-	28.37	3.19	-
PK	2.4534G	116.95	Inf	-Inf	85.31	3	Horizontal	155	2.01	-	28.41	3.23	-
AV	2.4582G	106.68	Inf	-Inf	75.02	3	Horizontal	155	2.01	-	28.43	3.23	-
PK	2.4835G	65.55	74.00	-8.45	33.78	3	Horizontal	155	2.01	-	28.53	3.24	-
AV	2.4835G	51.90	54.00	-2.10	20.13	3	Horizontal	155	2.01	-	28.53	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2462MHz_TX

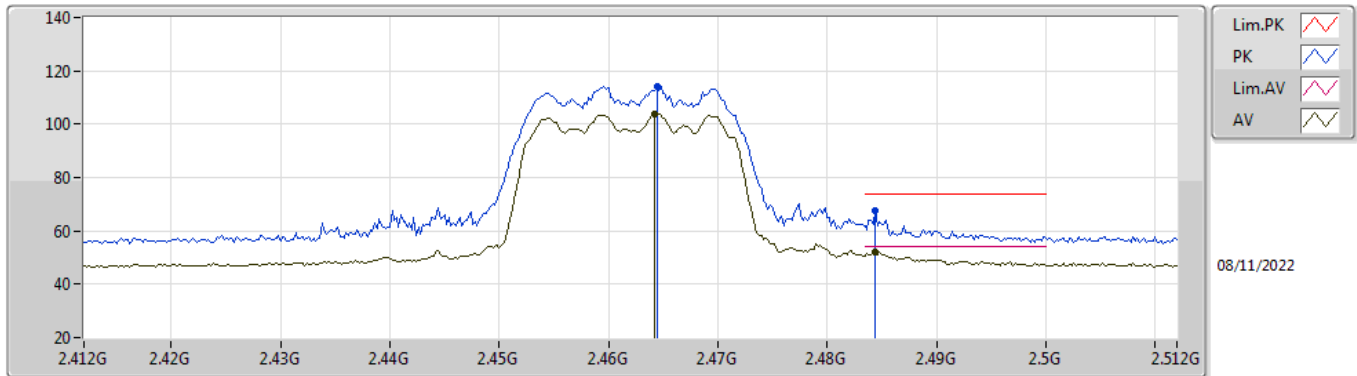


EUT_Y_3TX
 Setting 69
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4608G	119.33	Inf	-Inf	87.66	3	Vertical	244	1.62	-	28.44	3.23	-
AV	2.4656G	107.77	Inf	-Inf	76.08	3	Vertical	244	1.62	-	28.46	3.23	-
PK	2.4848G	68.42	74.00	-5.58	36.64	3	Vertical	244	1.62	-	28.54	3.24	-
AV	2.4852G	53.81	54.00	-0.19	22.03	3	Vertical	244	1.62	-	28.54	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2462MHz_TX

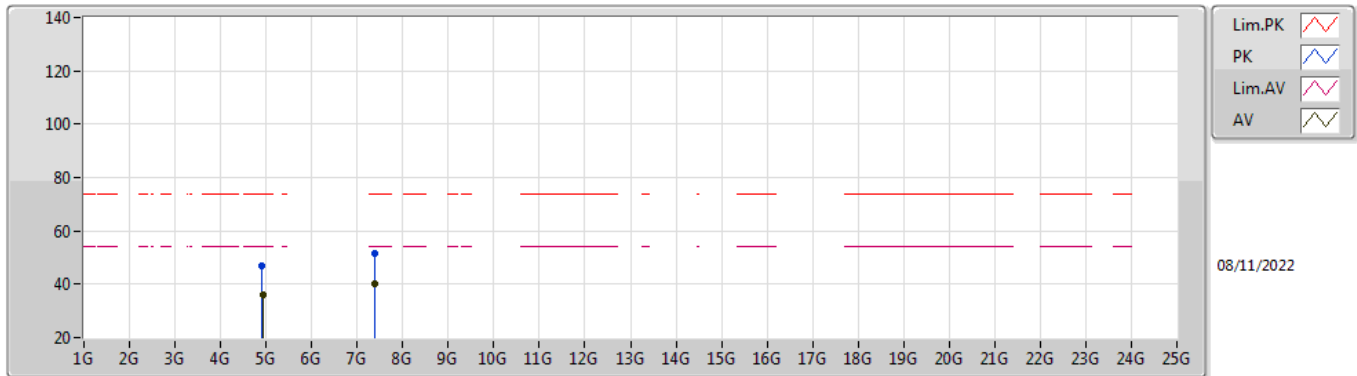


EUT_Y_3TX
Setting 69
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4644G	114.16	Inf	-Inf	82.47	3	Horizontal	170	2.63	-	28.46	3.23	-
AV	2.4642G	103.71	Inf	-Inf	72.02	3	Horizontal	170	2.63	-	28.46	3.23	-
PK	2.4844G	67.34	74.00	-6.66	35.56	3	Horizontal	170	2.63	-	28.54	3.24	-
AV	2.4844G	52.22	54.00	-1.78	20.44	3	Horizontal	170	2.63	-	28.54	3.24	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2462MHz_TX

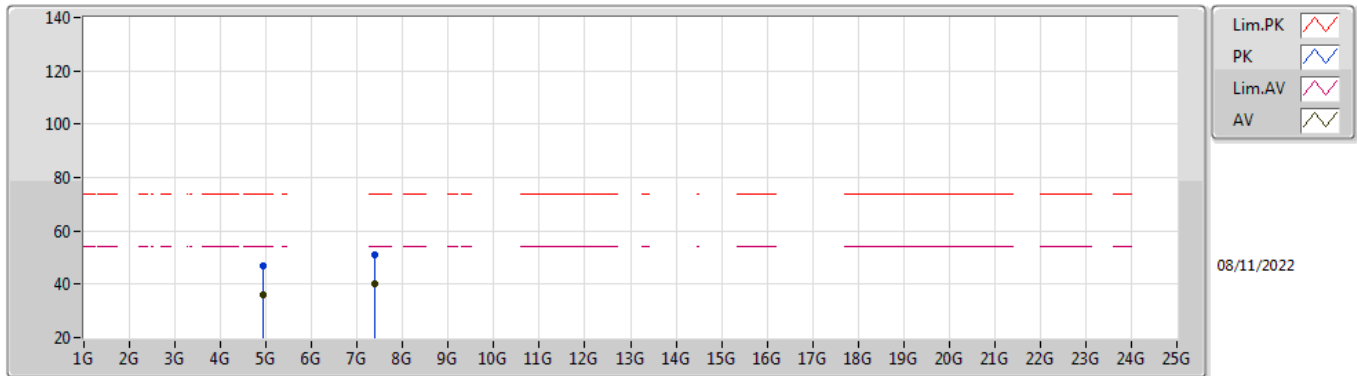


EUT_Y_3TX
 Setting 69
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.91914G	47.06	74.00	-26.94	38.92	3	Vertical	12	1.37	-	33.24	5.66	30.76
AV	4.92216G	35.89	54.00	-18.11	27.75	3	Vertical	12	1.37	-	33.24	5.66	30.76
PK	7.38688G	51.50	74.00	-22.50	40.15	3	Vertical	201	1.09	-	36.50	6.81	31.96
AV	7.38172G	40.24	54.00	-13.76	28.89	3	Vertical	201	1.09	-	36.50	6.81	31.96

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_3TX

2462MHz_TX

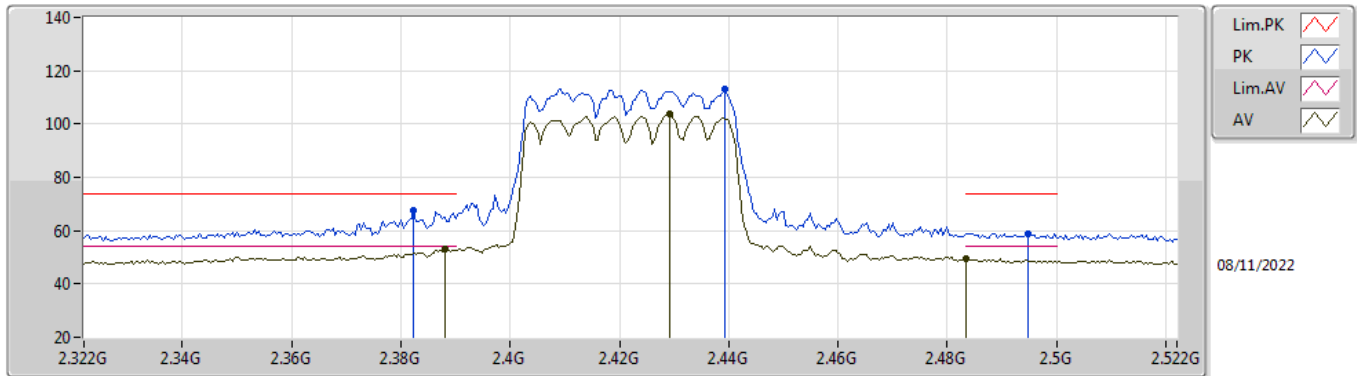


EUT_Y_3TX
 Setting 69
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92318G	46.91	74.00	-27.09	38.76	3	Horizontal	207	2.23	-	33.25	5.66	30.76
AV	4.9245G	36.02	54.00	-17.98	27.87	3	Horizontal	207	2.23	-	33.25	5.66	30.76
PK	7.38104G	51.05	74.00	-22.95	39.70	3	Horizontal	68	2.53	-	36.50	6.81	31.96
AV	7.39058G	40.18	54.00	-13.82	28.85	3	Horizontal	68	2.53	-	36.50	6.80	31.97

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2422MHz_TX

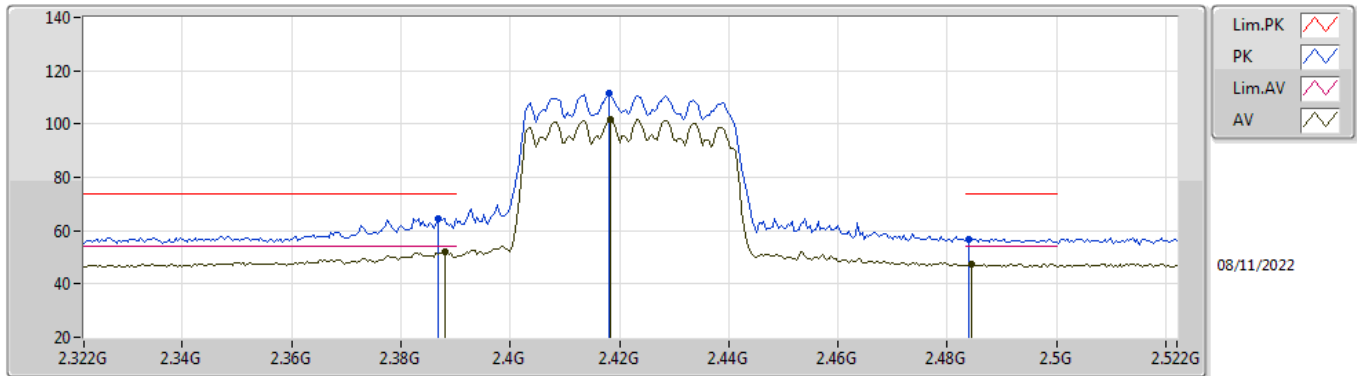


EUT_Y_3TX
 Setting 69
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3824G	67.60	74.00	-6.40	36.05	3	Vertical	209	1.80	-	28.36	3.19	-
AV	2.388G	53.35	54.00	-0.65	21.78	3	Vertical	209	1.80	-	28.38	3.19	-
PK	2.4392G	112.99	Inf	-Inf	81.37	3	Vertical	209	1.80	-	28.40	3.22	-
AV	2.4292G	103.76	Inf	-Inf	72.15	3	Vertical	209	1.80	-	28.40	3.21	-
PK	2.4948G	59.05	74.00	-14.95	27.22	3	Vertical	209	1.80	-	28.58	3.25	-
AV	2.4835G	49.36	54.00	-4.64	17.59	3	Vertical	209	1.80	-	28.53	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2422MHz_TX

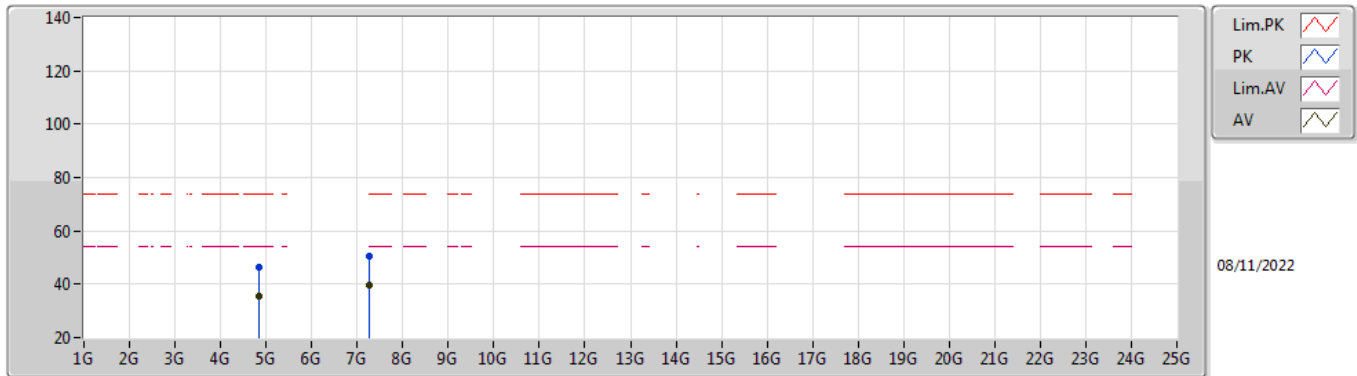


EUT Y_3TX
 Setting 69
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3868G	64.68	74.00	-9.32	33.12	3	Horizontal	322	2.01	-	28.37	3.19	-
AV	2.388G	52.10	54.00	-1.90	20.53	3	Horizontal	322	2.01	-	28.38	3.19	-
PK	2.418G	111.62	Inf	-Inf	80.01	3	Horizontal	322	2.01	-	28.40	3.21	-
AV	2.4184G	101.72	Inf	-Inf	70.11	3	Horizontal	322	2.01	-	28.40	3.21	-
PK	2.484G	56.92	74.00	-17.08	25.14	3	Horizontal	322	2.01	-	28.54	3.24	-
AV	2.4844G	47.55	54.00	-6.45	15.77	3	Horizontal	322	2.01	-	28.54	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2422MHz_TX

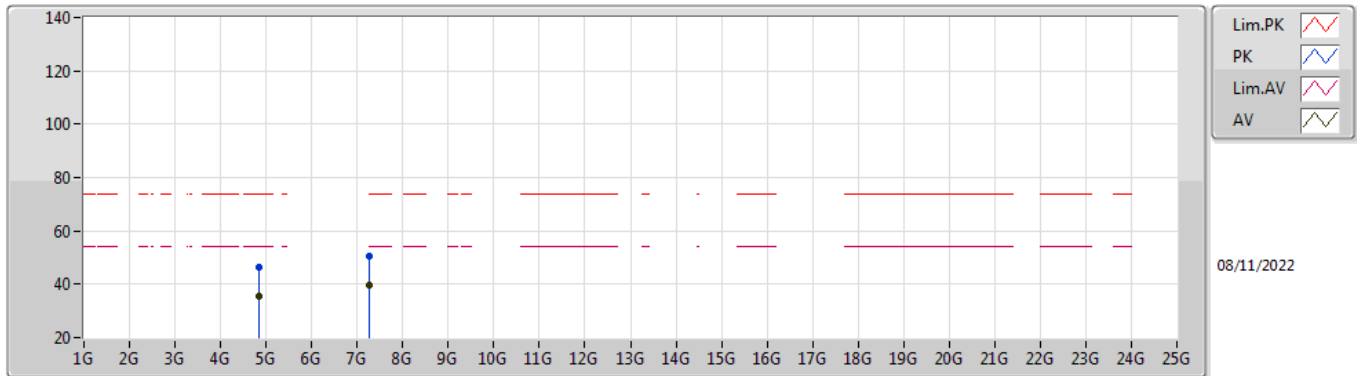


EUT_Y_3TX
 Setting 69
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.85402G	46.54	74.00	-27.46	38.59	3	Vertical	155	1.48	-	33.11	5.63	30.79
AV	4.84892G	35.65	54.00	-18.35	27.73	3	Vertical	155	1.48	-	33.09	5.62	30.79
PK	7.2702G	50.68	74.00	-23.32	39.44	3	Vertical	343	2.68	-	36.28	6.86	31.90
AV	7.26492G	39.44	54.00	-14.56	28.20	3	Vertical	343	2.68	-	36.26	6.87	31.89

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2422MHz_TX

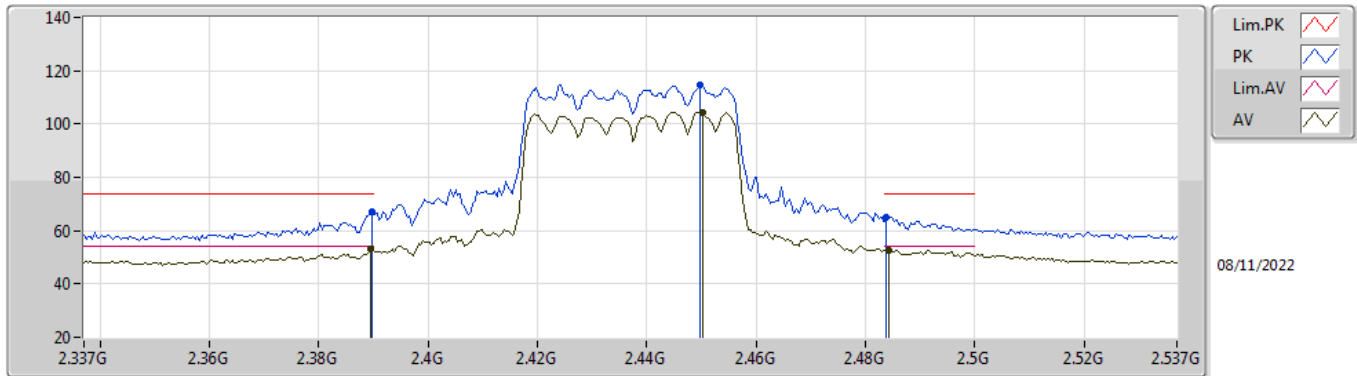


EUT_Y_3TX
 Setting 69
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.85324G	46.61	74.00	-27.39	38.66	3	Horizontal	318	1.80	-	33.11	5.63	30.79
AV	4.85444G	35.74	54.00	-18.26	27.79	3	Horizontal	318	1.80	-	33.11	5.63	30.79
PK	7.27848G	50.28	74.00	-23.72	39.01	3	Horizontal	247	2.54	-	36.31	6.86	31.90
AV	7.25832G	39.69	54.00	-14.31	28.48	3	Horizontal	247	2.54	-	36.23	6.87	31.89

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2437MHz_TX

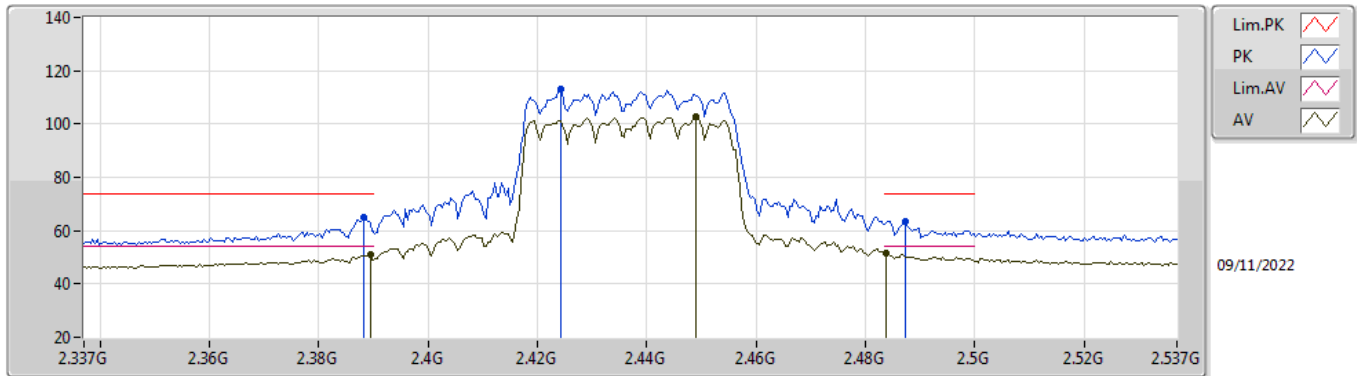


EUT Y_3TX
 Setting 75
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	67.16	74.00	-6.84	35.59	3	Vertical	192	1.65	-	28.38	3.19	-
AV	2.3894G	53.18	54.00	-0.82	21.61	3	Vertical	192	1.65	-	28.38	3.19	-
PK	2.4498G	114.61	Inf	-Inf	82.99	3	Vertical	192	1.65	-	28.40	3.22	-
AV	2.4502G	104.51	Inf	-Inf	72.88	3	Vertical	192	1.65	-	28.40	3.23	-
PK	2.4838G	65.05	74.00	-8.95	33.27	3	Vertical	192	1.65	-	28.54	3.24	-
AV	2.4842G	52.77	54.00	-1.23	20.99	3	Vertical	192	1.65	-	28.54	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2437MHz_TX

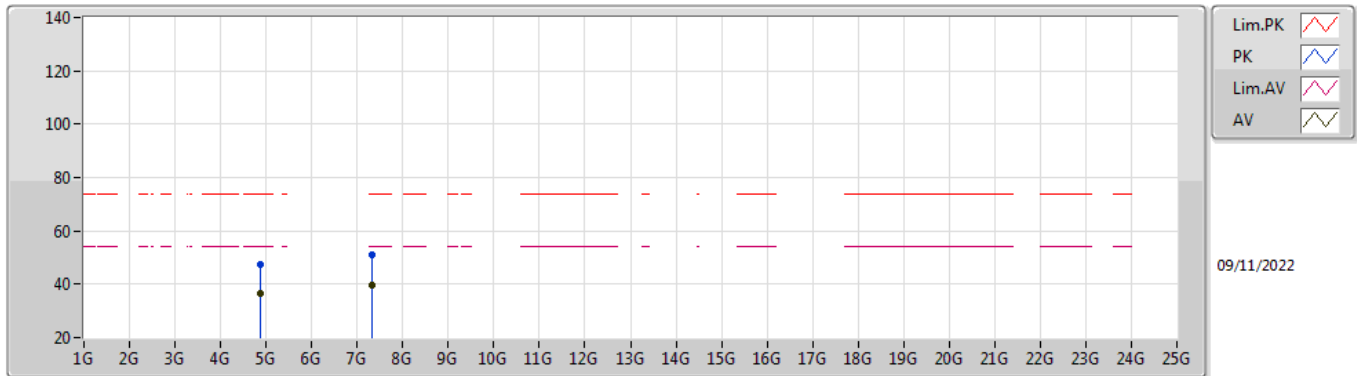


EUT Y_3TX
 Setting 75
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	65.18	74.00	-8.82	33.61	3	Horizontal	160	1.80	-	28.38	3.19	-
AV	2.3894G	50.86	54.00	-3.14	19.29	3	Horizontal	160	1.80	-	28.38	3.19	-
PK	2.4242G	112.97	Inf	-Inf	81.36	3	Horizontal	160	1.80	-	28.40	3.21	-
AV	2.449G	102.52	Inf	-Inf	70.90	3	Horizontal	160	1.80	-	28.40	3.22	-
PK	2.4874G	63.32	74.00	-10.68	31.53	3	Horizontal	160	1.80	-	28.55	3.24	-
AV	2.4838G	51.80	54.00	-2.20	20.02	3	Horizontal	160	1.80	-	28.54	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2437MHz_TX

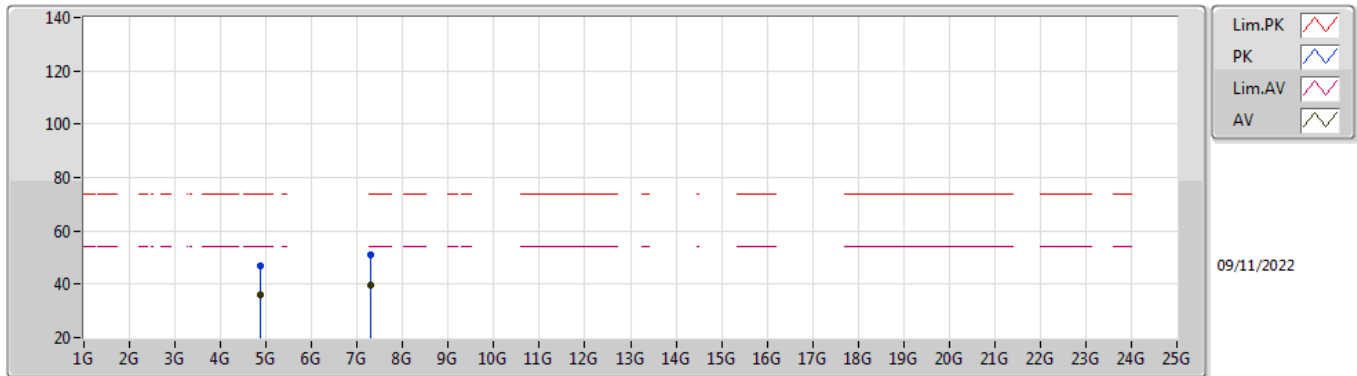


EUT_Y_3TX
 Setting 75
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87262G	47.45	74.00	-26.55	39.44	3	Vertical	219	2.43	-	33.15	5.64	30.78
AV	4.87304G	36.81	54.00	-17.19	28.80	3	Vertical	219	2.43	-	33.15	5.64	30.78
PK	7.31298G	51.24	74.00	-22.76	39.89	3	Vertical	149	1.05	-	36.43	6.84	31.92
AV	7.32492G	39.52	54.00	-14.48	28.16	3	Vertical	149	1.05	-	36.45	6.84	31.93

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2437MHz_TX

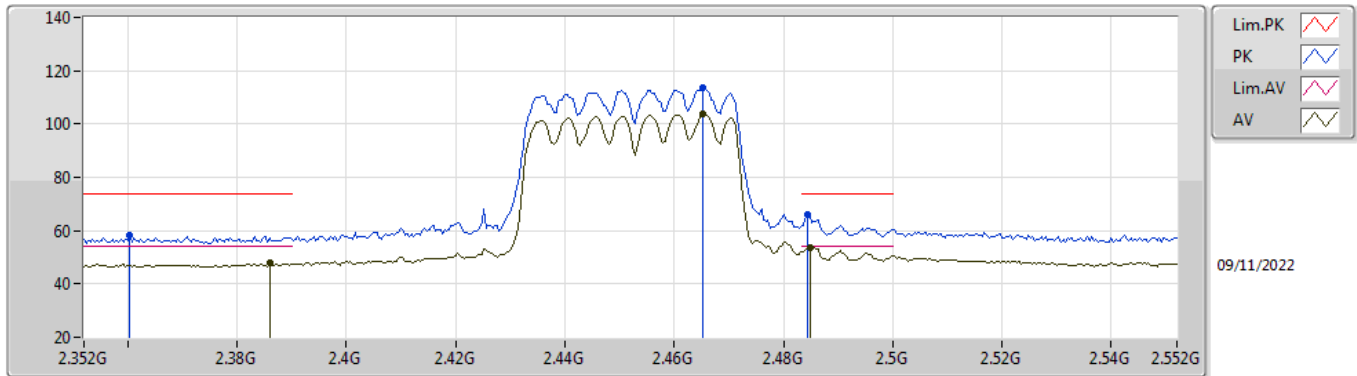


EUT_Y_3TX
 Setting 75
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87418G	46.98	74.00	-27.02	38.97	3	Horizontal	357	2.94	-	33.15	5.64	30.78
AV	4.87094G	35.95	54.00	-18.05	27.95	3	Horizontal	357	2.94	-	33.14	5.64	30.78
PK	7.30776G	50.93	74.00	-23.07	39.58	3	Horizontal	162	1.03	-	36.42	6.85	31.92
AV	7.30788G	39.68	54.00	-14.32	28.33	3	Horizontal	162	1.03	-	36.42	6.85	31.92

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2452MHz_TX

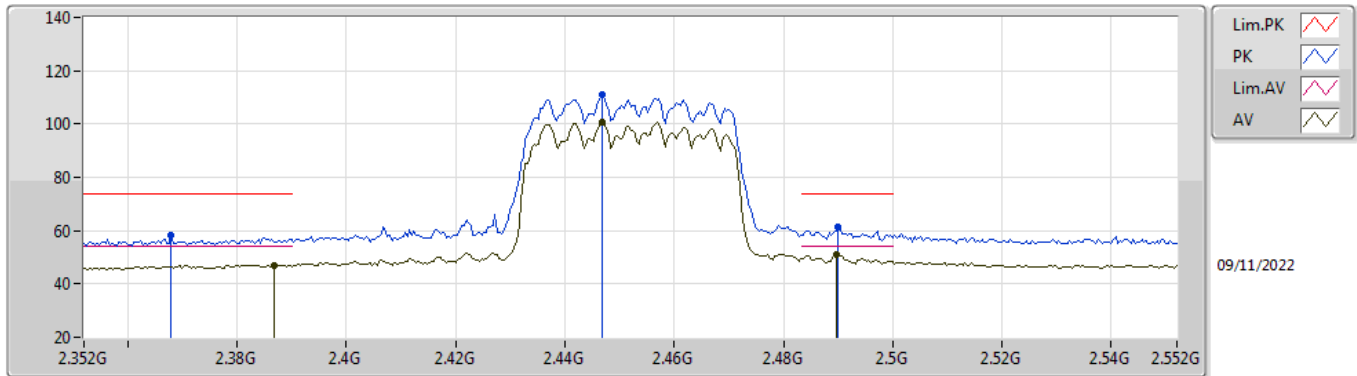


EUT_Y_3TX
 Setting 65
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3604G	58.16	74.00	-15.84	26.66	3	Vertical	245	1.61	-	28.32	3.18	-
AV	2.386G	47.72	54.00	-6.28	16.16	3	Vertical	245	1.61	-	28.37	3.19	-
PK	2.4652G	113.55	Inf	-Inf	81.86	3	Vertical	245	1.61	-	28.46	3.23	-
AV	2.4652G	103.81	Inf	-Inf	72.12	3	Vertical	245	1.61	-	28.46	3.23	-
PK	2.4844G	66.22	74.00	-7.78	34.44	3	Vertical	245	1.61	-	28.54	3.24	-
AV	2.4848G	53.69	54.00	-0.31	21.91	3	Vertical	245	1.61	-	28.54	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2452MHz_TX

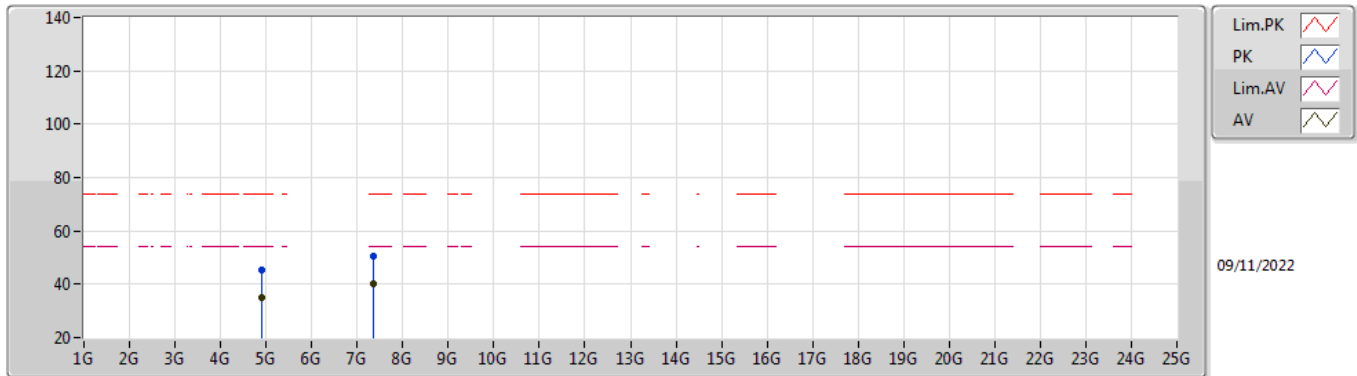


EUT Y_3TX
 Setting 65
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.368G	58.29	74.00	-15.71	26.77	3	Horizontal	154	2.05	-	28.34	3.18	-
AV	2.3868G	47.11	54.00	-6.89	15.55	3	Horizontal	154	2.05	-	28.37	3.19	-
PK	2.4468G	111.07	Inf	-Inf	79.45	3	Horizontal	154	2.05	-	28.40	3.22	-
AV	2.4468G	100.61	Inf	-Inf	68.99	3	Horizontal	154	2.05	-	28.40	3.22	-
PK	2.49G	61.40	74.00	-12.60	29.59	3	Horizontal	154	2.05	-	28.56	3.25	-
AV	2.4896G	51.18	54.00	-2.82	19.38	3	Horizontal	154	2.05	-	28.56	3.24	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2452MHz_TX

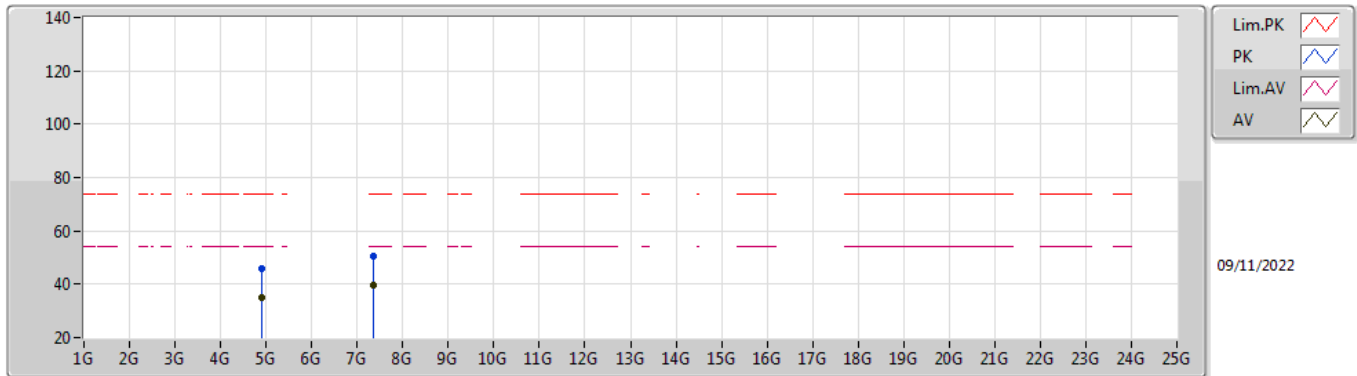


EUT_Y_3TX
 Setting 65
 02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.89602G	45.52	74.00	-28.48	37.45	3	Vertical	112	2.21	-	33.19	5.65	30.77
AV	4.89362G	35.02	54.00	-18.98	26.95	3	Vertical	112	2.21	-	33.19	5.65	30.77
PK	7.34754G	50.72	74.00	-23.28	39.33	3	Vertical	77	2.96	-	36.50	6.83	31.94
AV	7.3686G	39.95	54.00	-14.05	28.58	3	Vertical	77	2.96	-	36.50	6.82	31.95

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_3TX

2452MHz_TX



EUT_Y_3TX
 Setting 65
 02-F-G-4

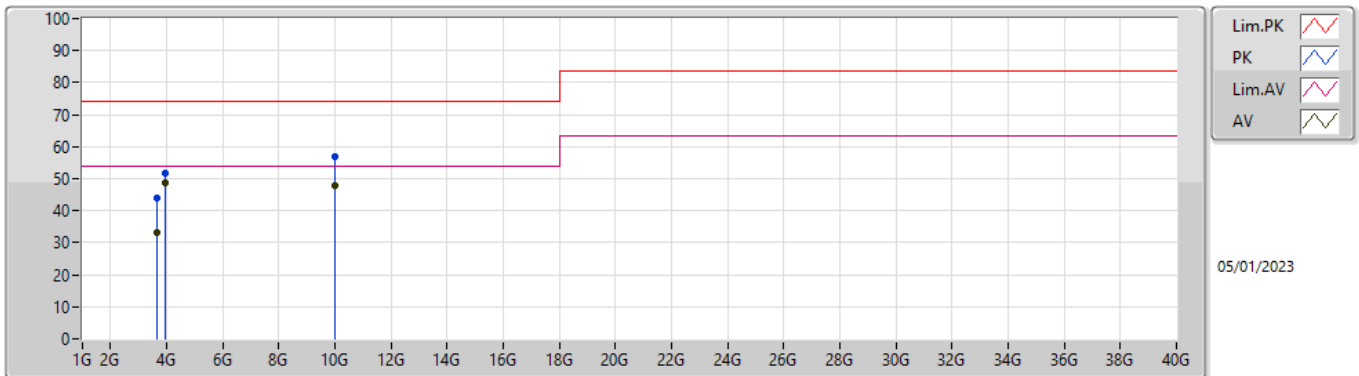
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.89182G	45.92	74.00	-28.08	37.87	3	Horizontal	41	2.05	-	33.18	5.65	30.78
AV	4.90394G	35.19	54.00	-18.81	27.10	3	Horizontal	41	2.05	-	33.21	5.65	30.77
PK	7.3422G	50.67	74.00	-23.33	39.30	3	Horizontal	205	1.94	-	36.48	6.83	31.94
AV	7.35564G	39.60	54.00	-14.40	28.23	3	Horizontal	205	1.94	-	36.50	6.82	31.95



Summary

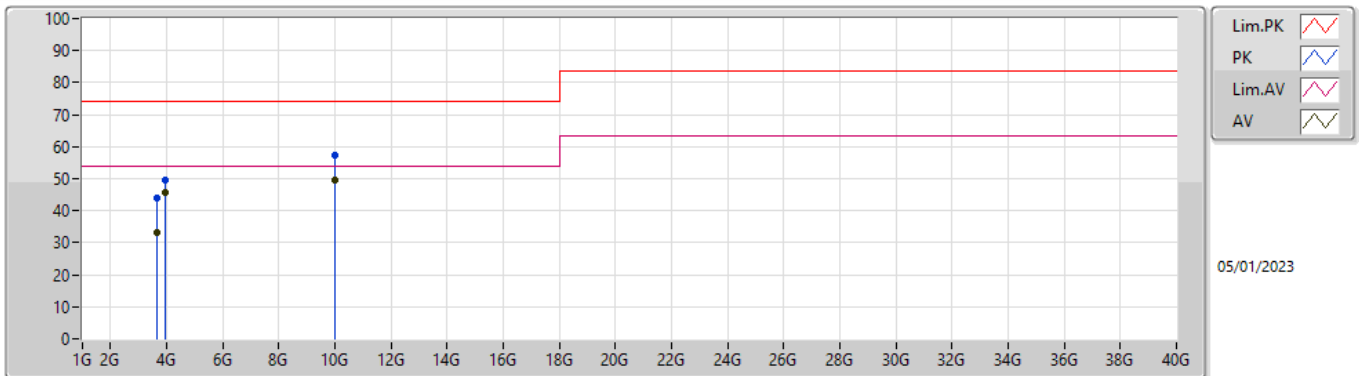
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	9.99995G	49.39	54.00	-4.61	Horizontal

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	3.66648G	43.89	74.00	-30.11	2.07	3	Vertical	360	1.50	-	41.82	29.27	6.05	33.25
AV	3.66666G	33.24	54.00	-20.76	2.07	3	Vertical	360	1.50	-	31.17	29.27	6.05	33.25
PK	3.97G	51.92	74.00	-22.08	2.90	3	Vertical	140	1.00	-	49.02	29.86	6.23	33.19
AV	3.96993G	48.70	54.00	-5.30	2.90	3	Vertical	140	1.00	"Worst"	45.80	29.86	6.23	33.19
PK	9.99988G	56.99	74.00	-17.01	14.82	3	Vertical	134	1.00	-	42.17	39.20	9.97	34.35
AV	9.99991G	47.83	54.00	-6.17	14.82	3	Vertical	134	1.00	-	33.01	39.20	9.97	34.35

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	3.66708G	43.81	74.00	-30.19	2.07	3	Horizontal	106	1.39	-	41.74	29.27	6.05	33.25
AV	3.66659G	33.20	54.00	-20.80	2.07	3	Horizontal	106	1.39	-	31.13	29.27	6.05	33.25
PK	3.96998G	49.54	74.00	-24.46	2.90	3	Horizontal	223	1.92	-	46.64	29.86	6.23	33.19
AV	3.96994G	45.68	54.00	-8.32	2.90	3	Horizontal	223	1.92	-	42.78	29.86	6.23	33.19
PK	9.99994G	57.29	74.00	-16.71	14.82	3	Horizontal	115	1.50	-	42.47	39.20	9.97	34.35
AV	9.99995G	49.39	54.00	-4.61	14.82	3	Horizontal	115	1.50	"Worst"	34.57	39.20	9.97	34.35