



RADIO TEST REPORT

FCC ID : 2AXJ4X60V3
Equipment : AX3000 Whole Home Mesh Wi-Fi 6 System
Brand Name : tp-link
Model Name : Deco X60 , Deco W6000
Applicant : TP-Link Corporation Limited
Room 901, 9/F. , New East Ocean Centre, 9 Science
Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Manufacturer : TP-Link Corporation Limited
Room 901, 9/F. , New East Ocean Centre, 9 Science
Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 02, 2021, and testing was started from Mar. 11, 2021 and completed on Apr. 21, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: Cindy Peng

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), ac (VHT20), ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ac (VHT40), ax (HEW40)	2422-2452	3-9 [7]

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

Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- 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)	
	2.4GHz	5GHz					2.4GHz	5GHz
1	1	2	TP-Link	3101502756	PCB	I-PEX	1.93	0.90
2	2	1	TP-Link	3101502757	PCB	I-PEX	1.94	0.97
3	-	4	TP-Link	3101503632	PCB	I-PEX	-	0.97
4	-	3	TP-Link	3101503633	PCB	I-PEX	-	0.88

Note 1: The above information was declared by manufacturer.

Note 2:

For WLAN 2.4GHz, 11b/g/n/ax/VHT mode (2TX/2RX):

Port 1 and Port 2 could transmit/receive simultaneously.

For WLAN 5GHz, 11a/n/ac/ax mode (4TX/4RX):

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) $\geq 1/T$
802.11b	0.944	0.25	9.995m	300
802.11g	0.936	0.29	1.98m	1k
802.11ax HEW20	0.887	0.52	5.448m	300
802.11ax HEW40	0.891	0.5	5.448m	300

Note:

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

**1.1.4 EUT Operational Condition**

EUT Power Type	From power adapter		
Beamforming Function	☐ With beamforming	☒ Without beamforming	
Function	☒ Point-to-multipoint	☐ Point-to-point	
Test Software Version	QSPR (version 5.0-00196)		

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Supports Functions

Function
AP Router
Mesh

Note: For AC Conduction and Radiated Below 1GHz tests, after evaluating, there is only AP Router mode was selected to test and record in the report.

1.1.6 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Description
Deco X60	There is nothing different of two models, just for different marketing use.
Deco W6000	

Note 1: From the above models, model: Deco X60 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 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
- ♦ ANSI C63.10-2013

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

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

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Test site registered number IC 4086D with Industry Canada.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Paul Chen	23.6-25.3 / 59-62	Mar. 16, 2021~Apr. 16, 2021
Radiated Below 1GHz	03CH05-CB	Bruce Yang	20.4~21.5 / 55~58	Apr. 21, 2021
Radiated Above 1GHz (Co-location test)	03CH05-CB	Bruce Yang	20.4~21.5 / 55~58	Apr. 21, 2021
Radiated Above 1GHz (Other tests)	03CH02-CB	Cola Fan	20.2-21.3 / 56-58	Mar. 13, 2021~Apr. 15, 2021
	03CH03-CB		20.4-21.4 / 55-57	
AC Conduction	CO02-CB	Wei Li	23~24 / 57~60	Mar. 11, 2021

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.4%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	24
2417MHz	26.5
2437MHz	27.5
2457MHz	25.5
2462MHz	25.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	23
2417MHz	23.5
2437MHz	26.5
2457MHz	24
2462MHz	22.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	22
2417MHz	23.5
2437MHz	26.5
2457MHz	23.5
2462MHz	22.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	21
2427MHz	21.5
2437MHz	22.5
2447MHz	21.5
2452MHz	21

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.

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	AP Router mode
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA122333 for Co-location RF Exposure Evaluation.	

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



2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	Adapter	TP-Link	T120200-2B4	Input: 100-240V~ 50/60Hz, 0.8A Output: 12V, 2A



2.5 Support Equipment

For AC Conduction:

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

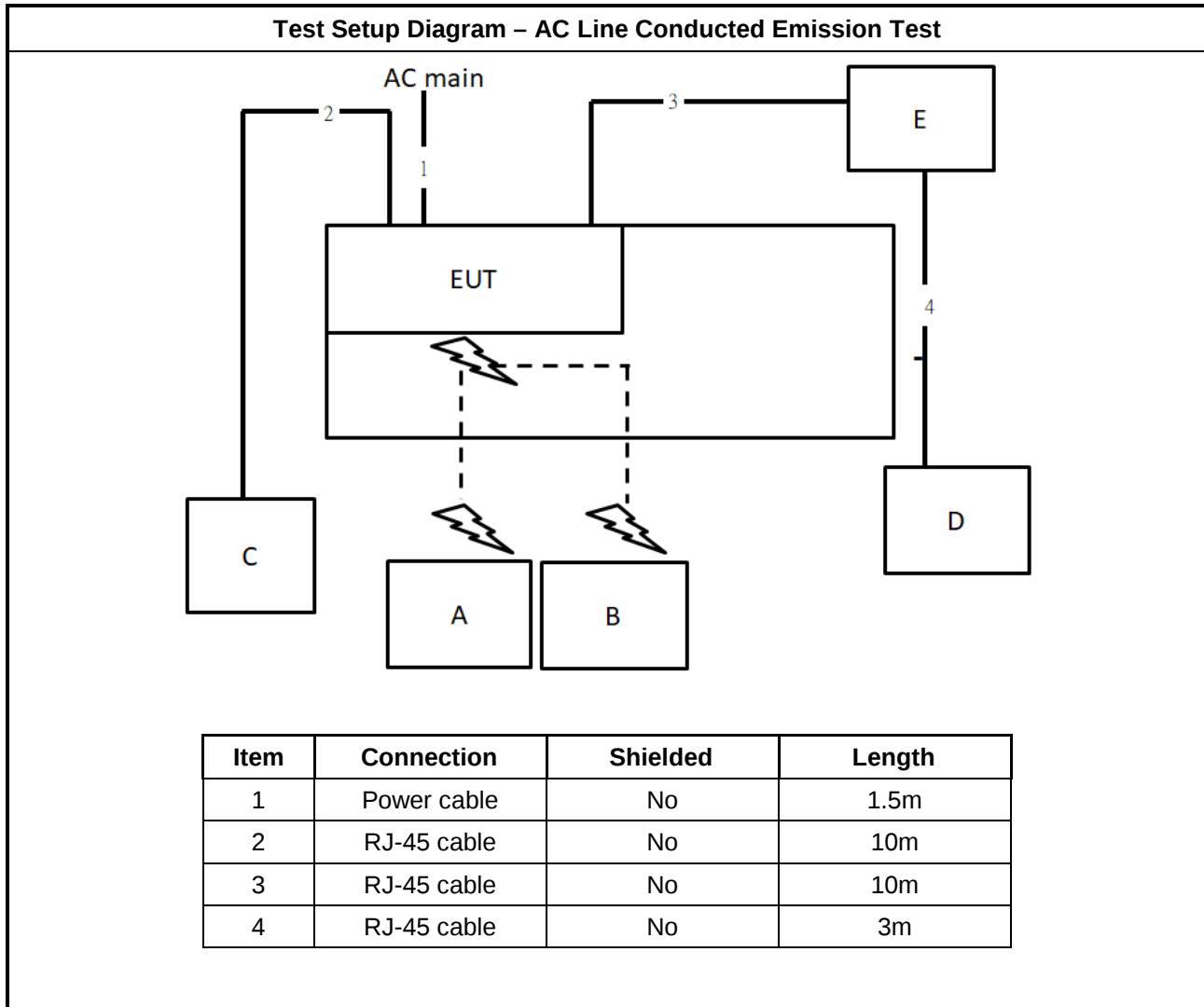
For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WLAN AP	D-LINK	DIR860L	KA2IR860LA1
B	WAN NB	DELL	E4300	N/A
C	5G NB	DELL	E4300	N/A
D	2.4G NB	DELL	E4300	N/A
E	LAN NB	DELL	E4300	N/A

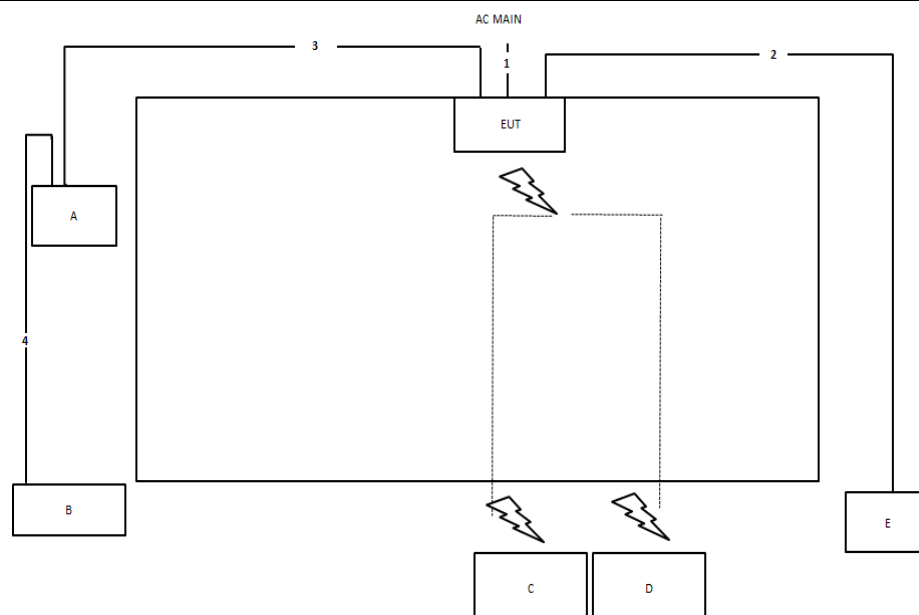
For Radiated (above 1GHz) and RF Conducted:

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

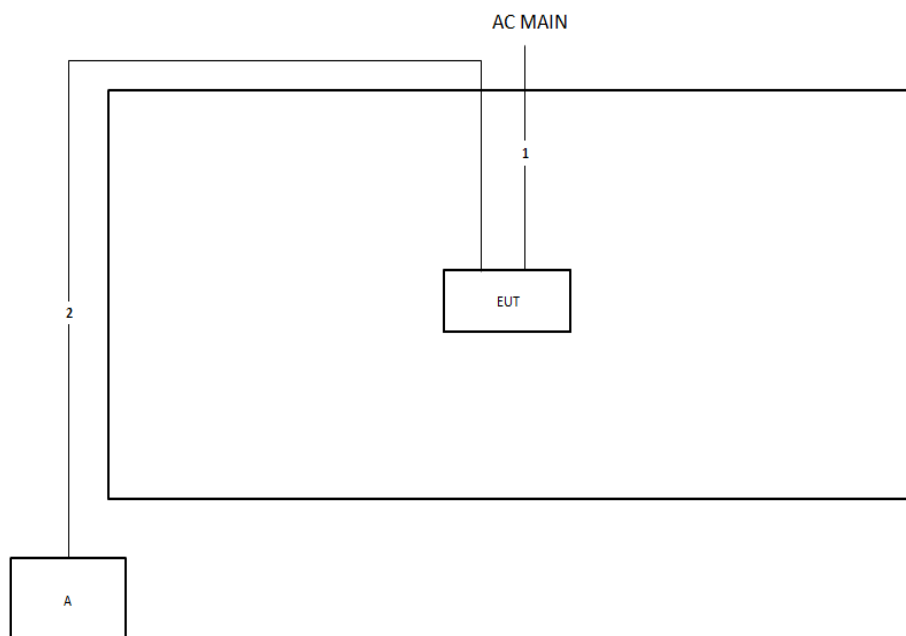
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

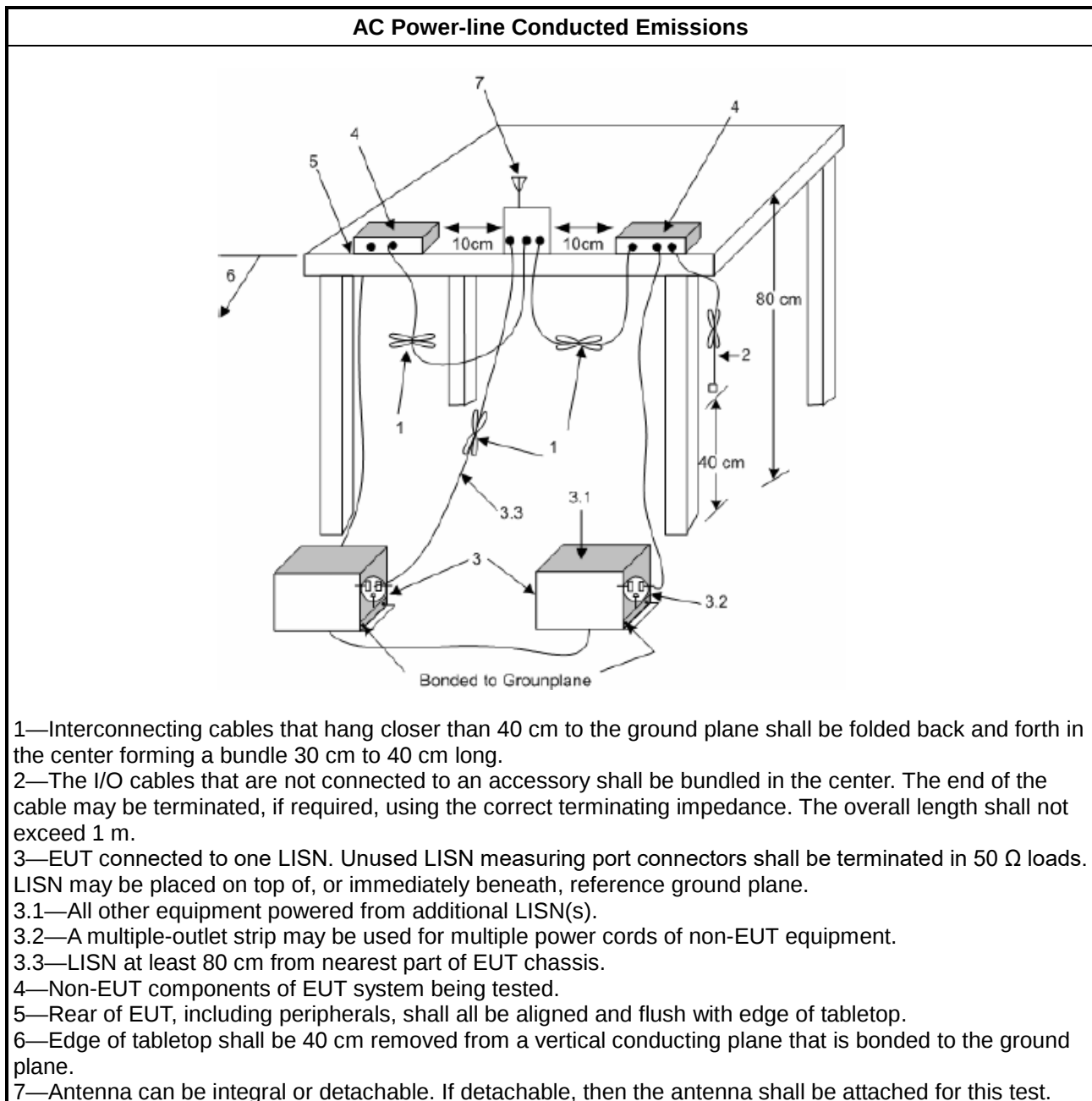
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ 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:
6 dB bandwidth $\geq$ 500 kHz.

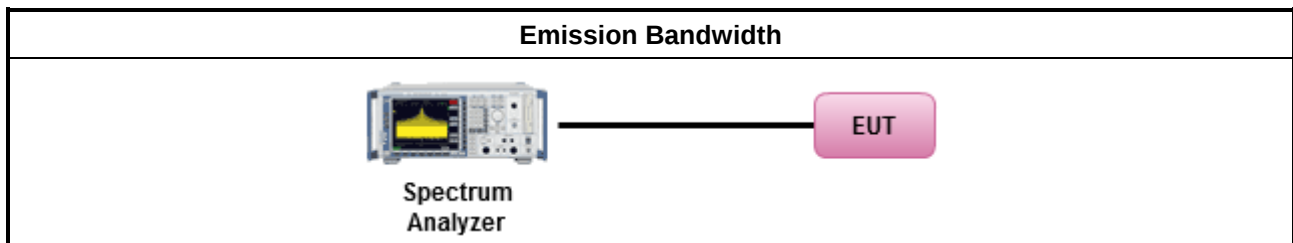
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
For the emission bandwidth shall be measured using one of the options below:
☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪ Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

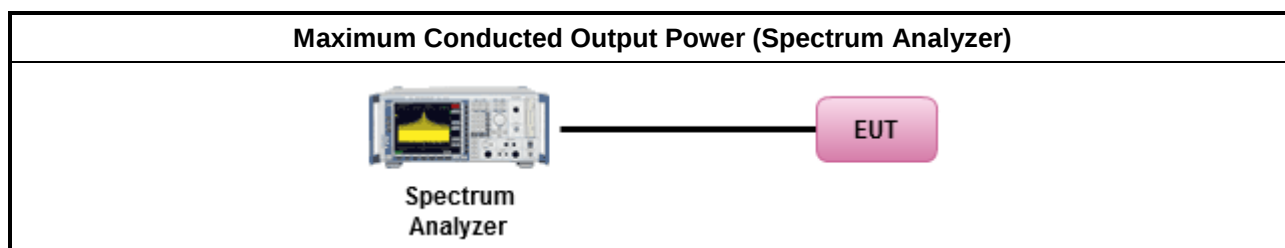
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (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
Power Spectral Density (PSD) ≤ 8 dBm/3kHz

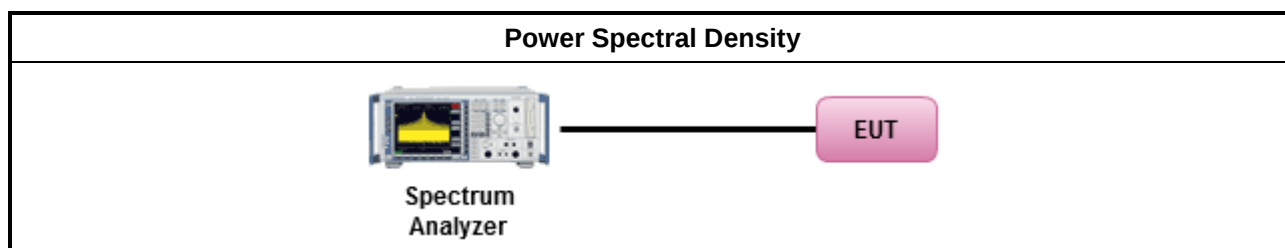
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

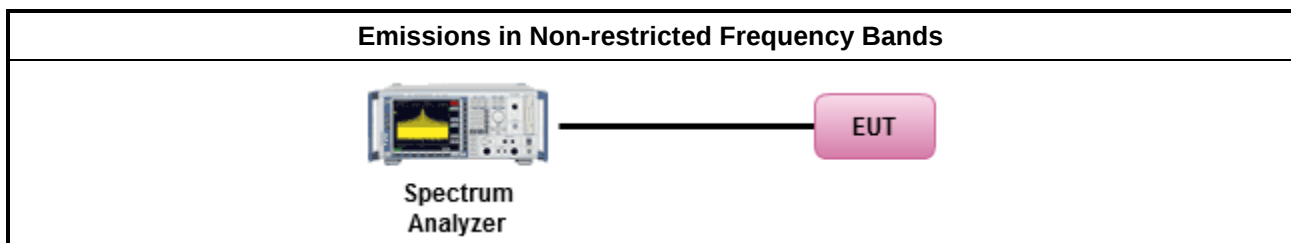
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

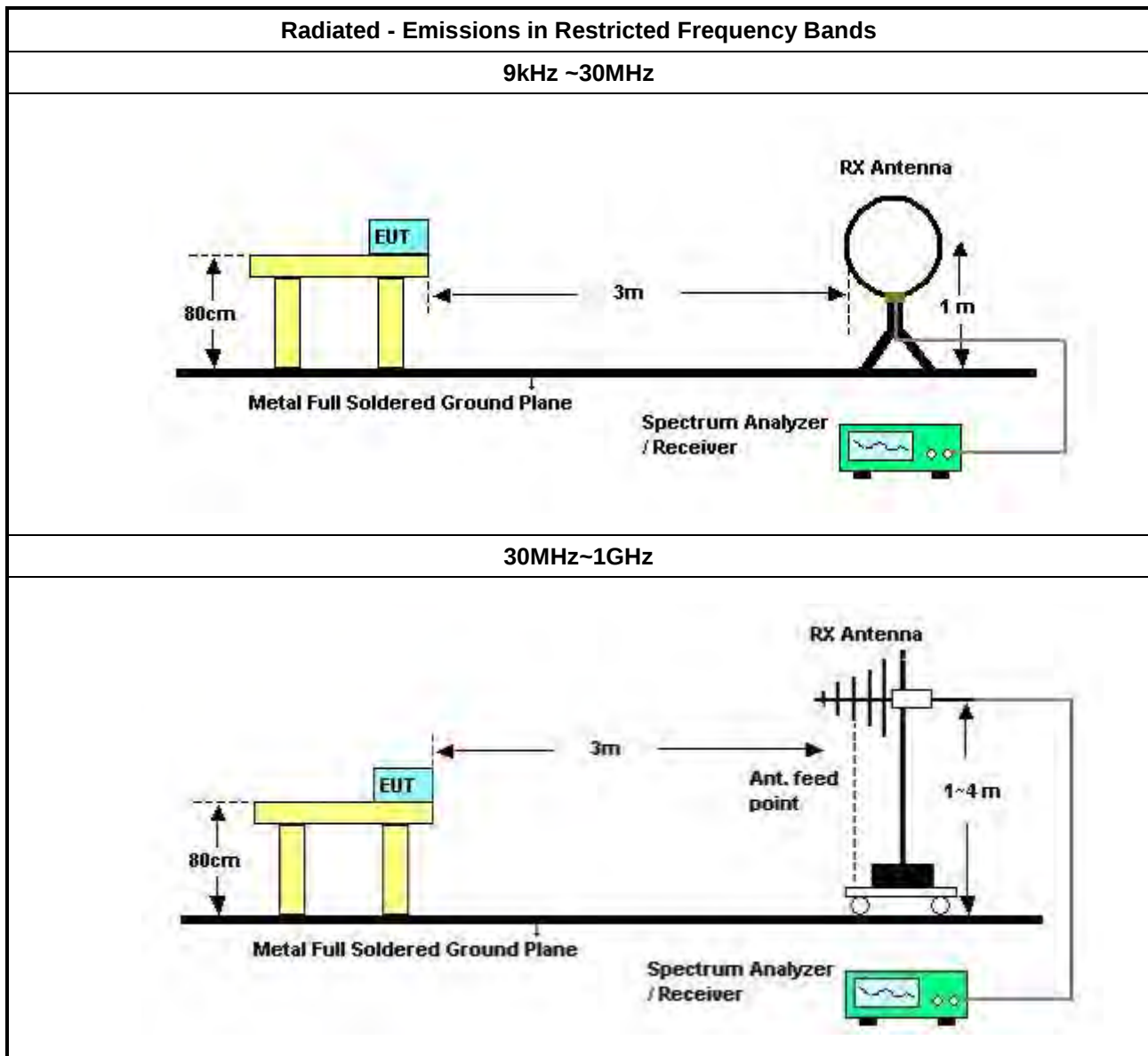
Refer a test equipment and calibration data table in this test report.

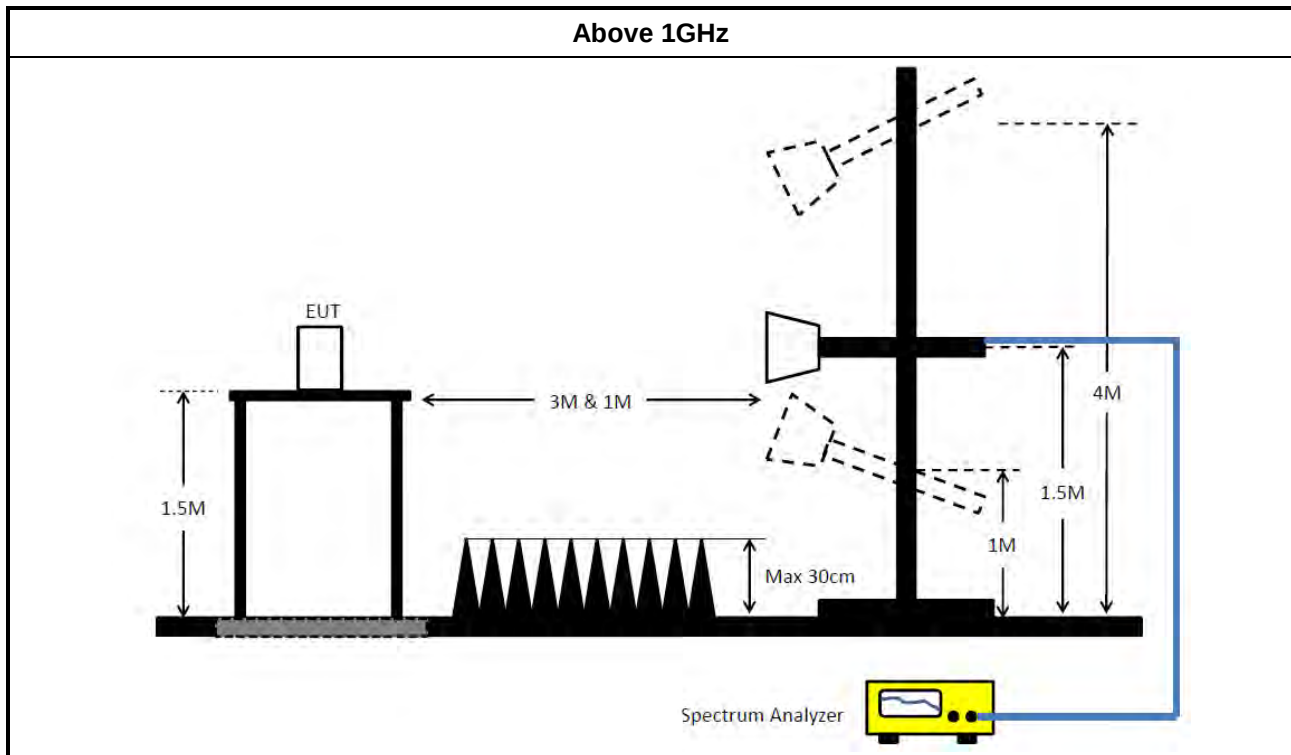


3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
	For the transmitter band-edge emissions shall be measured using following options below:
	Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Dec. 04, 2020	Dec. 03, 2021	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 19, 2020	Mar. 18, 2021	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 20, 2020	Oct. 19, 2021	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 16, 2021	Mar. 15, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09, 2021	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 08, 2020	Nov. 07, 2021	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Sep. 05, 2020	Sep. 04, 2021	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 28, 2020	Apr. 27, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 03, 2020	Jul. 02, 2021	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 28, 2020	Mar. 27, 2021	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 21, 2020	Sep. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 28, 2020	May 27, 2021	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 27, 2020	Jul. 26, 2021	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 17, 2020	Sep. 16, 2021	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 17, 2020	Sep. 16, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

N.C.R. means Non-Calibration required.



AC Power Port Conducted Emission Result

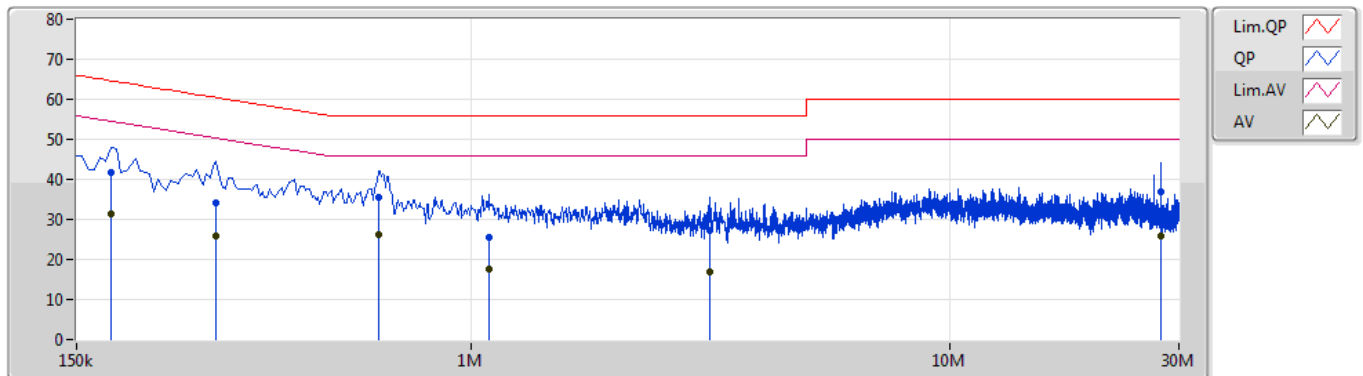
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	654k	31.81	46.00	-14.19	Neutral

Mode 1

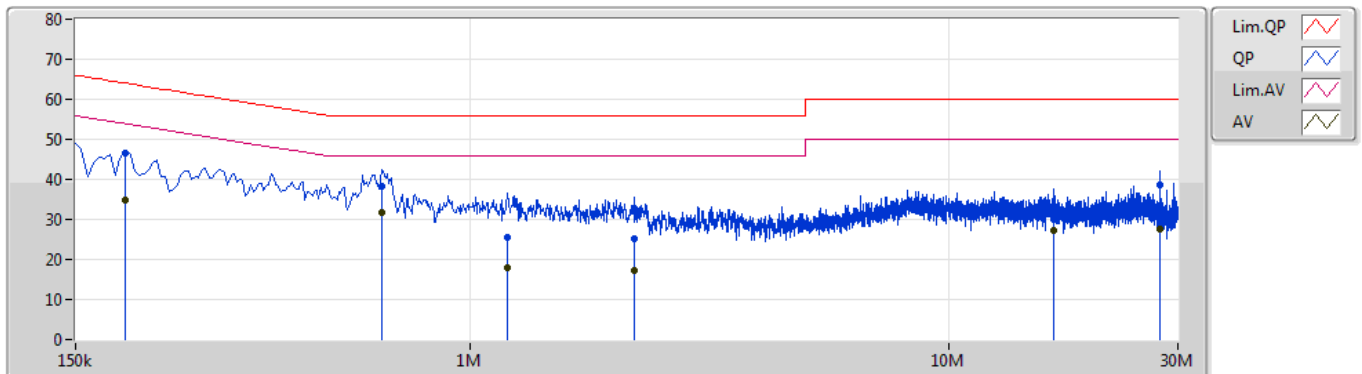
11/03/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	177k	41.58	64.62	-23.04	10.30	Line	-	31.28	0.07	0.07	10.16			
AV	177k	31.32	54.62	-23.30	10.30	Line	-	21.02	0.07	0.07	10.16			
QP	294k	34.29	60.42	-26.13	10.27	Line	-	24.02	0.08	0.06	10.13			
AV	294k	25.95	50.42	-24.47	10.27	Line	-	15.68	0.08	0.06	10.13			
QP	640.5k	35.48	56.00	-20.52	10.27	Line	-	25.21	0.09	0.07	10.11			
AV	640.5k	26.31	46.00	-19.69	10.27	Line	"Worst"	16.04	0.09	0.07	10.11			
QP	1.086M	25.39	56.00	-30.61	10.28	Line	-	15.11	0.09	0.08	10.11			
AV	1.086M	17.58	46.00	-28.42	10.28	Line	-	7.30	0.09	0.08	10.11			
QP	3.152M	27.13	56.00	-28.87	10.40	Line	-	16.73	0.13	0.13	10.14			
AV	3.152M	16.85	46.00	-29.15	10.40	Line	-	6.45	0.13	0.13	10.14			
QP	27.582M	36.77	60.00	-23.23	11.08	Line	-	25.69	0.59	0.29	10.20			
AV	27.582M	25.72	50.00	-24.28	11.08	Line	-	14.64	0.59	0.29	10.20			

Mode 1

11/03/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	190.5k	46.49	64.01	-17.52	10.30	Neutral	-	36.19	0.06	0.07	10.17			
AV	190.5k	34.70	54.01	-19.31	10.30	Neutral	-	24.40	0.06	0.07	10.17			
QP	654k	38.26	56.00	-17.74	10.25	Neutral	-	28.01	0.07	0.07	10.11			
AV	654k	31.81	46.00	-14.19	10.25	Neutral	"Worst"	21.56	0.07	0.07	10.11			
QP	1.199M	25.47	56.00	-30.53	10.29	Neutral	-	15.18	0.08	0.09	10.12			
AV	1.199M	17.95	46.00	-28.05	10.29	Neutral	-	7.66	0.08	0.09	10.12			
QP	2.193M	25.23	56.00	-30.77	10.33	Neutral	-	14.90	0.09	0.11	10.13			
AV	2.193M	17.31	46.00	-28.69	10.33	Neutral	-	6.98	0.09	0.11	10.13			
QP	16.467M	32.66	60.00	-27.34	10.71	Neutral	-	21.95	0.27	0.26	10.18			
AV	16.467M	27.31	50.00	-22.69	10.71	Neutral	-	16.60	0.27	0.26	10.18			
QP	27.582M	38.79	60.00	-21.21	10.87	Neutral	-	27.92	0.38	0.29	10.20			
AV	27.582M	27.51	50.00	-22.49	10.87	Neutral	-	16.64	0.38	0.29	10.20			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.55M	13.493M	13M5D2W	5.1M	12.819M
802.11g_Nss1,(6Mbps)_2TX	15.025M	16.242M	16M2D7W	13.8M	16.092M
802.11ax HEW20_Nss1,(MCS0)_2TX	16.1M	18.841M	18M8D7W	12.525M	18.616M
802.11ax HEW40_Nss1,(MCS0)_2TX	34.05M	37.331M	37M3D7W	29.75M	37.131M

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

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

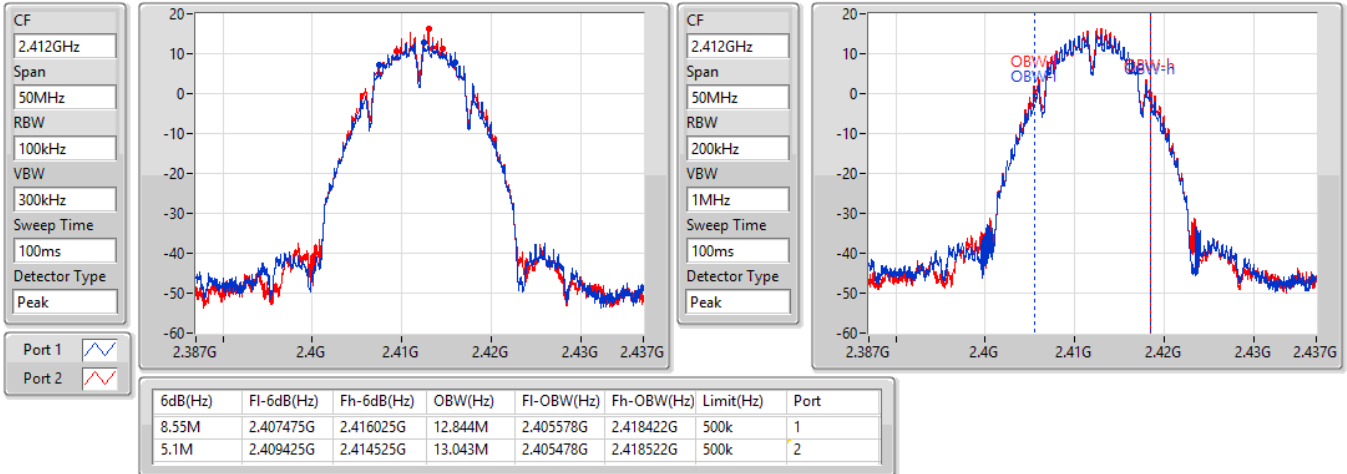
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.55M	12.844M	5.1M	13.043M
2417MHz						
2437MHz	Pass	500k	7.1M	12.819M	8.55M	13.493M
2457MHz						
2462MHz	Pass	500k	7.55M	13.018M	7.575M	13.068M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.925M	16.092M	15.025M	16.217M
2417MHz						
2437MHz	Pass	500k	14.95M	16.242M	13.8M	16.192M
2457MHz						
2462MHz	Pass	500k	15M	16.142M	15M	16.167M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.75M	18.741M	13.675M	18.616M
2417MHz						
2437MHz	Pass	500k	15.05M	18.841M	13.7M	18.691M
2457MHz						
2462MHz	Pass	500k	12.525M	18.691M	16.1M	18.666M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	34.05M	37.331M	29.75M	37.131M
2427MHz						
2437MHz	Pass	500k	31.2M	37.281M	31.75M	37.181M
2447MHz						
2452MHz	Pass	500k	33.5M	37.281M	32.5M	37.281M

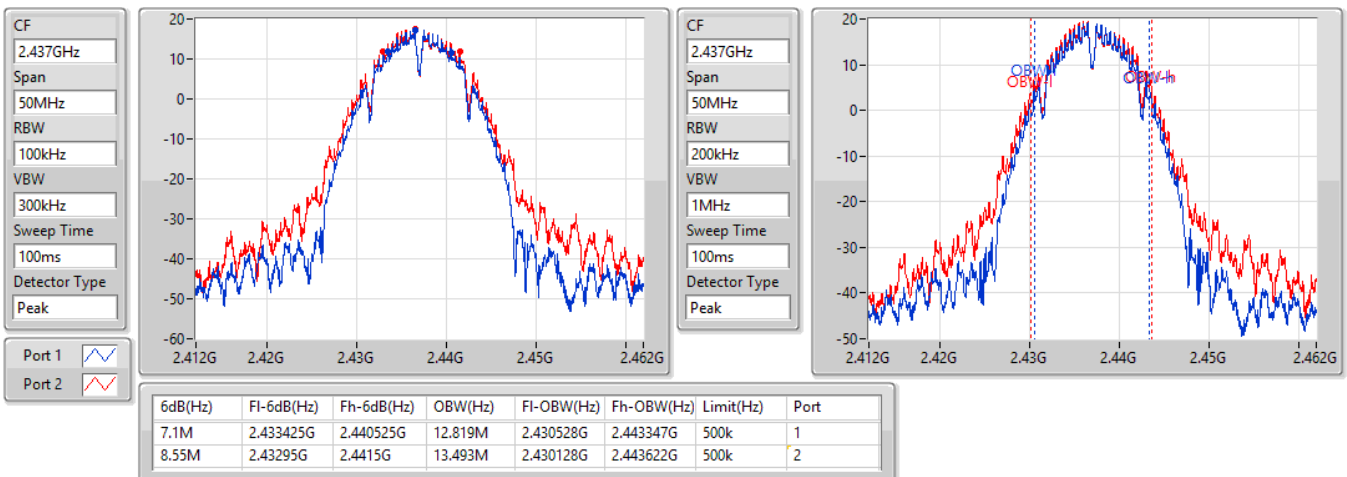
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

16/04/2021

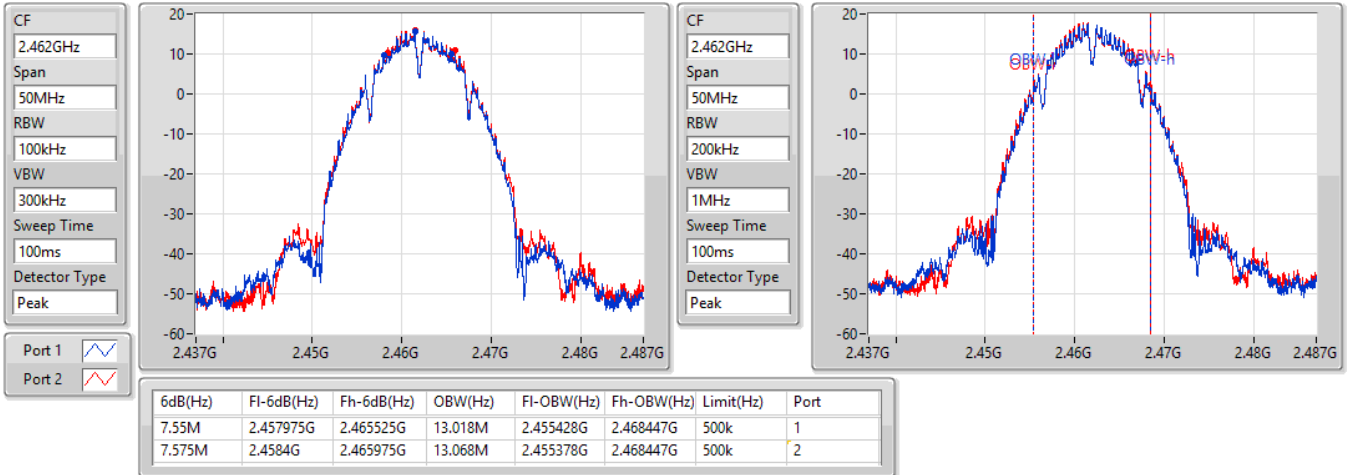

802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

16/04/2021

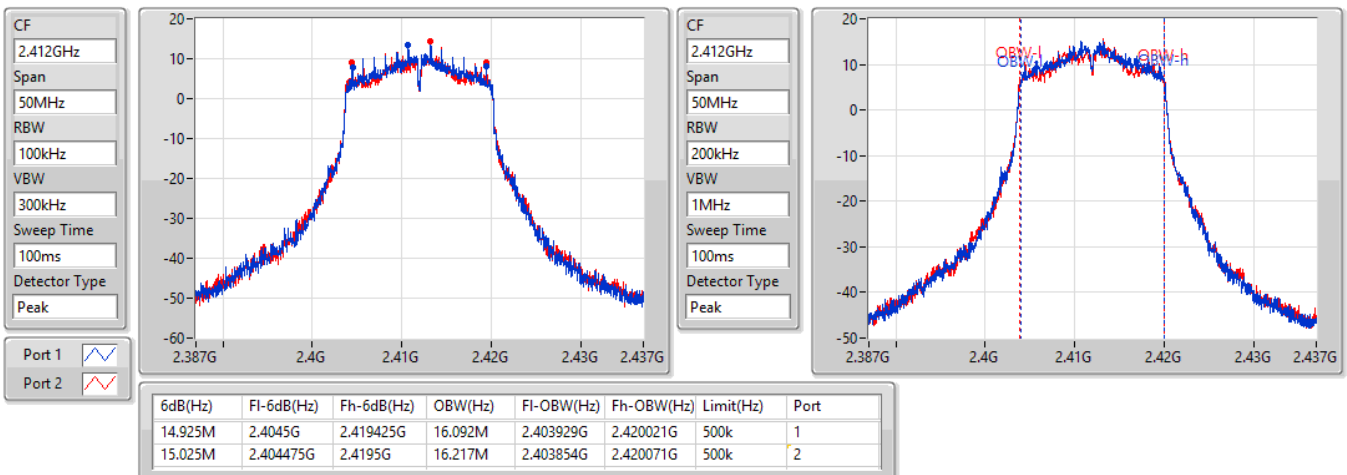


802.11b_Nss1,(1Mbps)_2TX
EBW
2462MHz

16/04/2021


802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

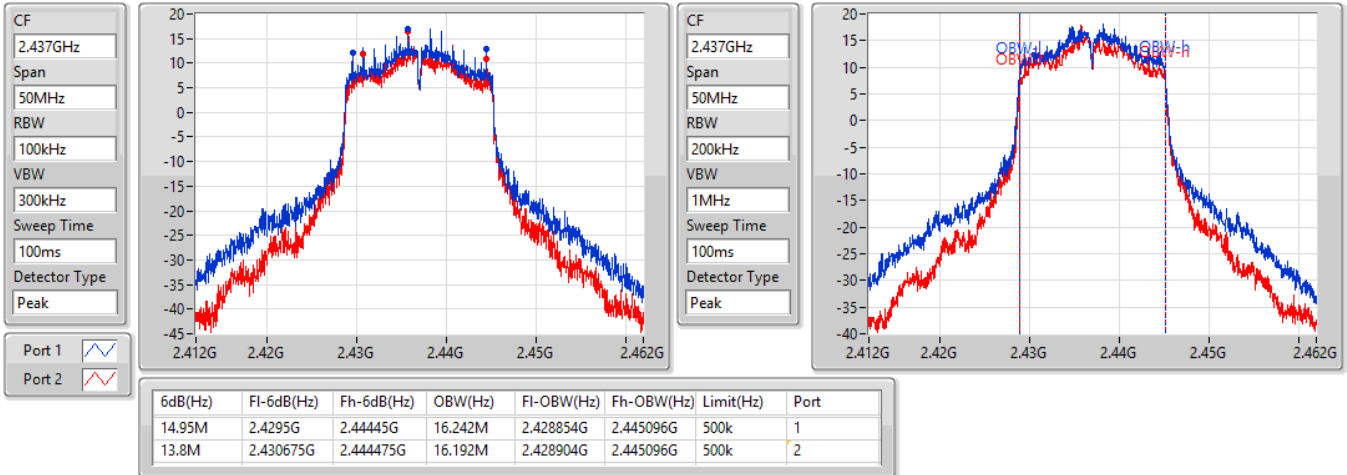
16/04/2021



802.11g_Nss1,(6Mbps)_2TX

2437MHz

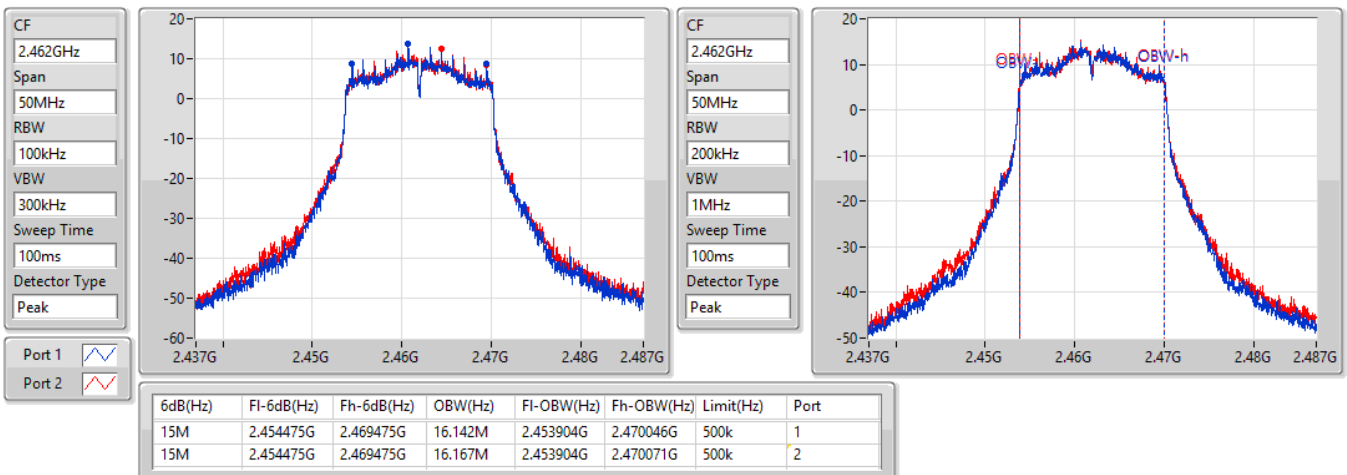
16/04/2021



802.11g_Nss1,(6Mbps)_2TX

2462MHz

16/04/2021

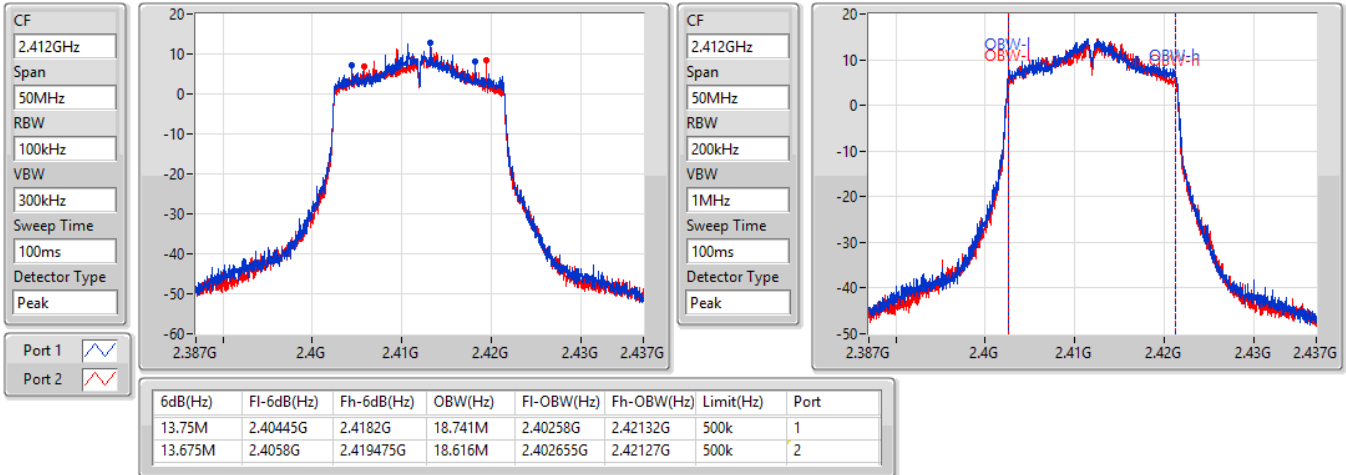


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

16/04/2021

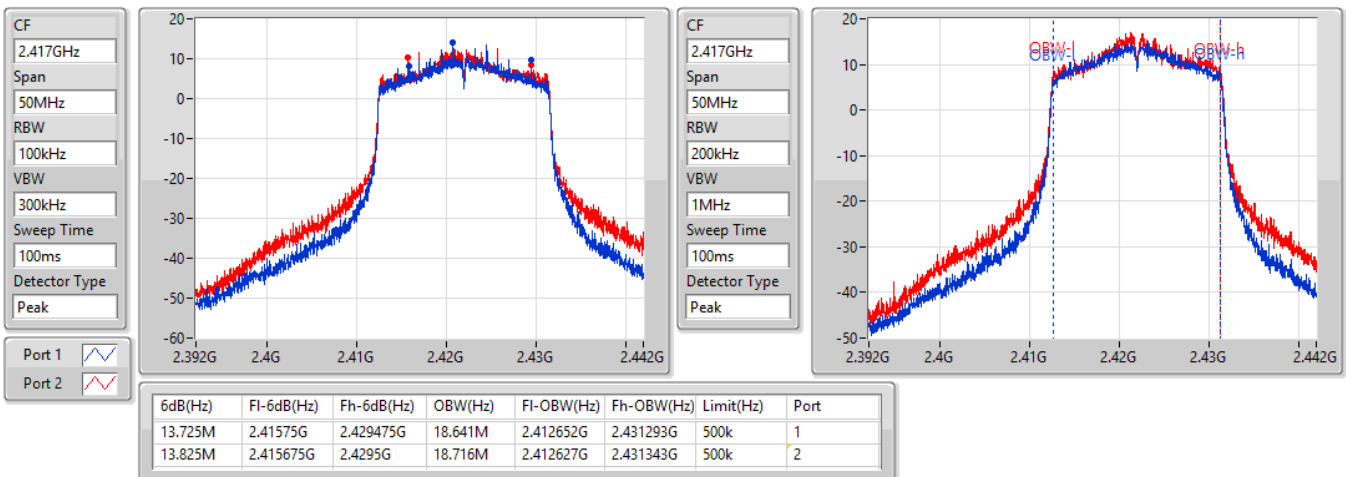


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

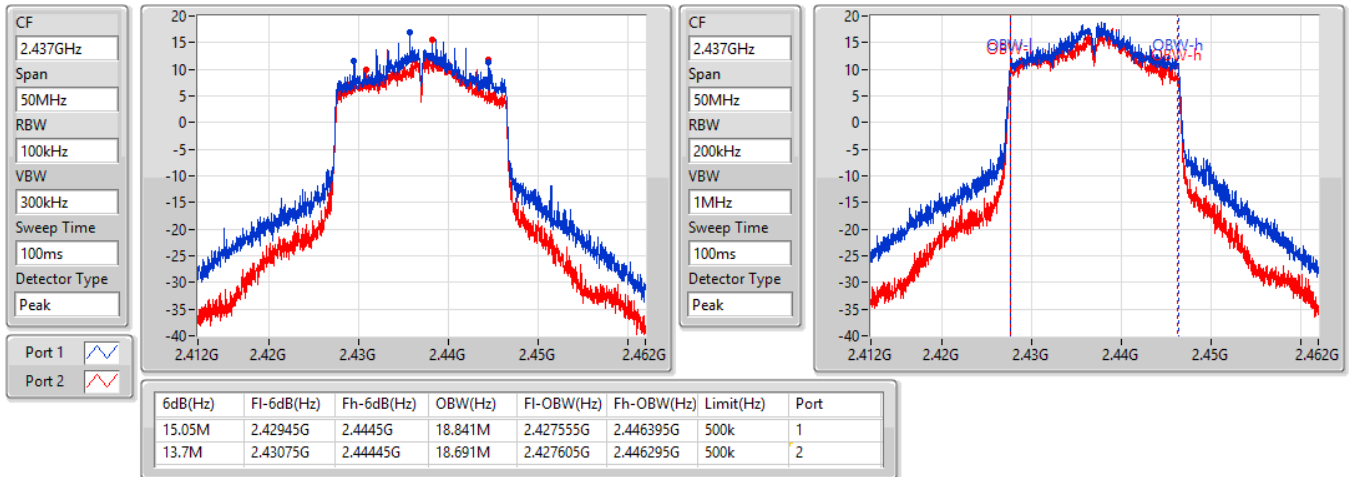
2417MHz

16/04/2021

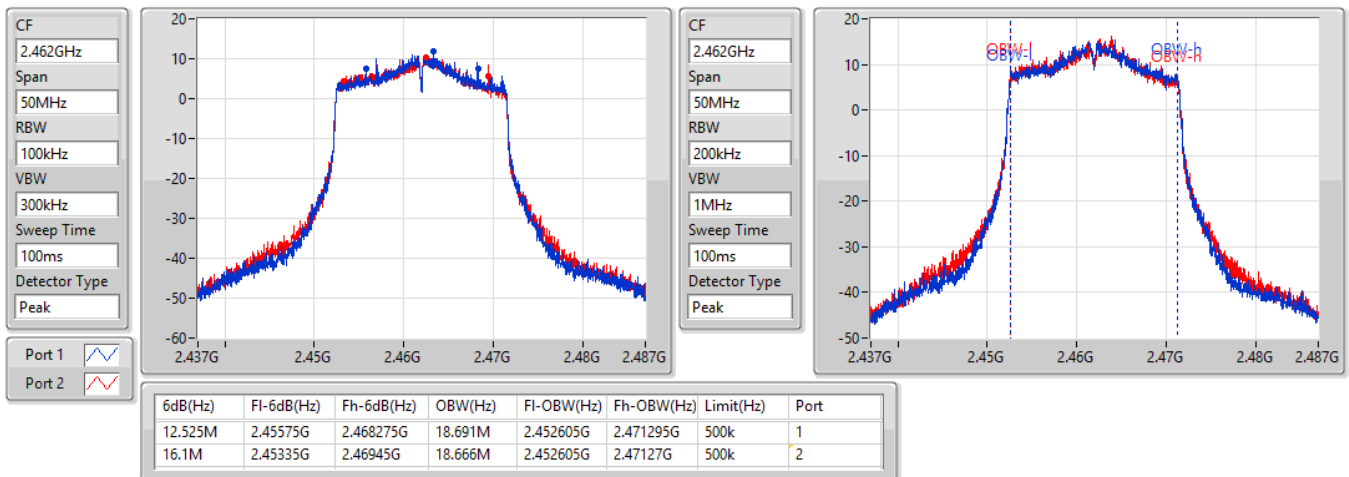


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2437MHz

16/04/2021

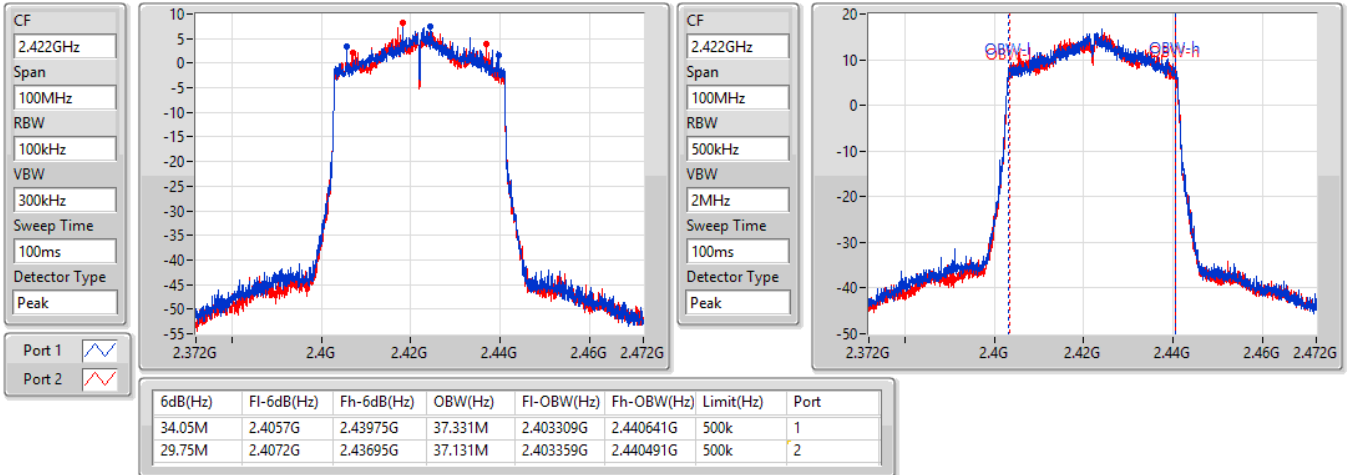

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2462MHz

16/04/2021

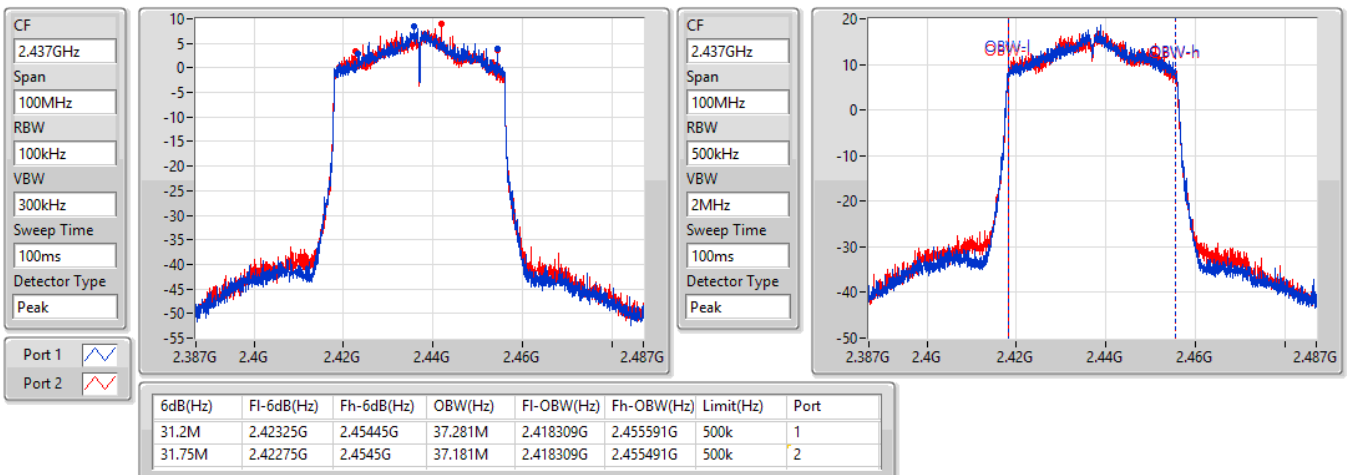


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2422MHz

16/04/2021


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2437MHz

16/04/2021

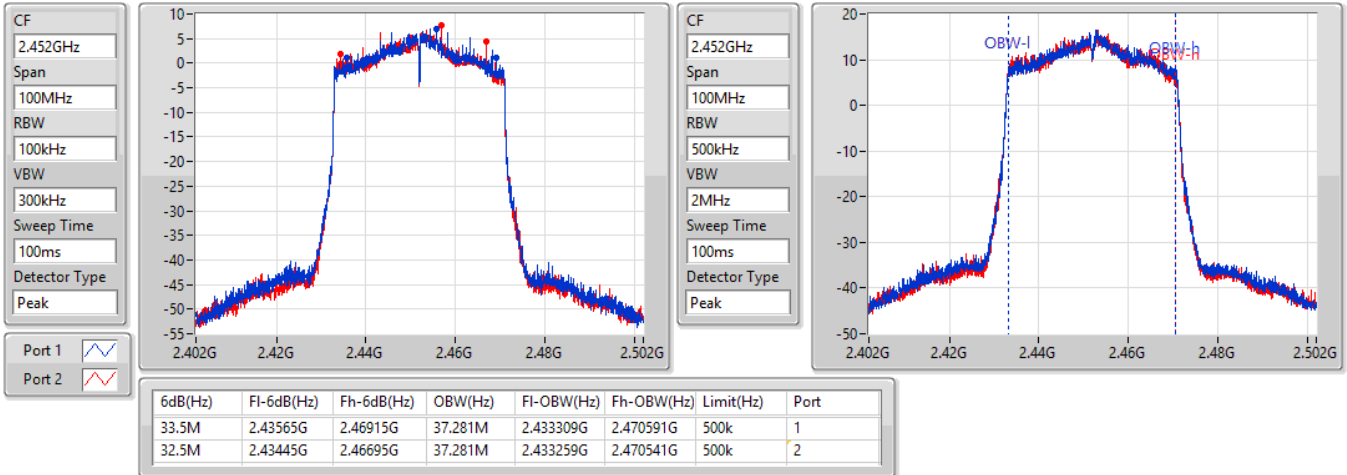


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

16/04/2021





Average Power Result

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.87	0.97051
802.11g_Nss1,(6Mbps)_2TX	28.00	0.63096
802.11ax HEW20_Nss1,(MCS0)_2TX	27.98	0.62806
802.11ax HEW40_Nss1,(MCS0)_2TX	24.89	0.30832

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.94	22.91	23.77	26.37	30.00
2417MHz	Pass	1.94	25.90	26.21	29.07	30.00
2437MHz	Pass	1.94	26.75	26.97	29.87	30.00
2457MHz	Pass	1.94	25.00	25.07	28.05	30.00
2462MHz	Pass	1.94	24.64	25.03	27.85	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.94	22.93	22.69	25.82	30.00
2417MHz	Pass	1.94	23.48	23.26	26.38	30.00
2437MHz	Pass	1.94	25.68	24.17	28.00	30.00
2457MHz	Pass	1.94	23.70	23.74	26.73	30.00
2462MHz	Pass	1.94	22.16	22.44	25.31	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.94	21.71	21.21	24.48	30.00
2417MHz	Pass	1.94	22.62	23.39	26.03	30.00
2437MHz	Pass	1.94	25.59	24.25	27.98	30.00
2457MHz	Pass	1.94	22.96	22.74	25.86	30.00
2462MHz	Pass	1.94	22.03	21.78	24.92	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.94	20.69	20.57	23.64	30.00
2427MHz	Pass	1.94	21.19	21.10	24.16	30.00
2437MHz	Pass	1.94	21.88	21.87	24.89	30.00
2447MHz	Pass	1.94	21.01	21.03	24.03	30.00
2452MHz	Pass	1.94	20.62	20.51	23.58	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	2.15
802.11g_Nss1,(6Mbps)_2TX	1.28
802.11ax HEW20_Nss1,(MCS0)_2TX	2.27
802.11ax HEW40_Nss1,(MCS0)_2TX	-4.00

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.95	-1.93	-3.34	-0.08	8.00
2437MHz	Pass	4.95	-1.02	-0.67	2.15	8.00
2462MHz	Pass	4.95	0.61	0.06	1.85	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.95	-3.78	-3.12	-1.34	8.00
2437MHz	Pass	4.95	-0.03	-1.41	1.28	8.00
2462MHz	Pass	4.95	-4.86	-3.82	-1.46	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.95	-4.01	-3.48	-1.80	8.00
2437MHz	Pass	4.95	0.4	-0.27	2.27	8.00
2462MHz	Pass	4.95	-3.29	-3.31	-0.53	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.95	-6.33	-7.30	-5.16	8.00
2437MHz	Pass	4.95	-5.40	-5.40	-4.00	8.00
2452MHz	Pass	4.95	-6.40	-6.13	-4.96	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

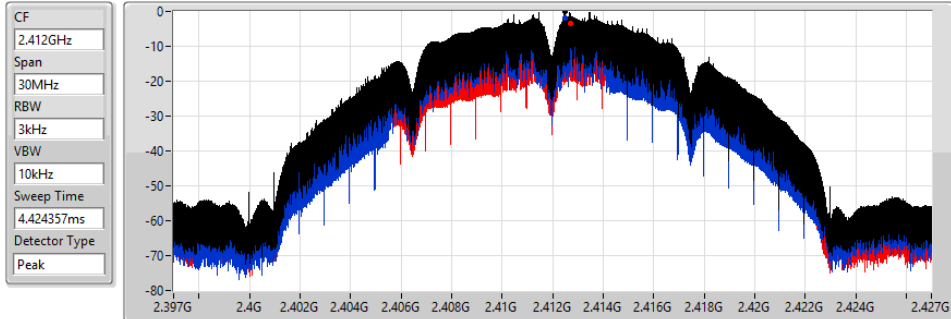
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

16/04/2021



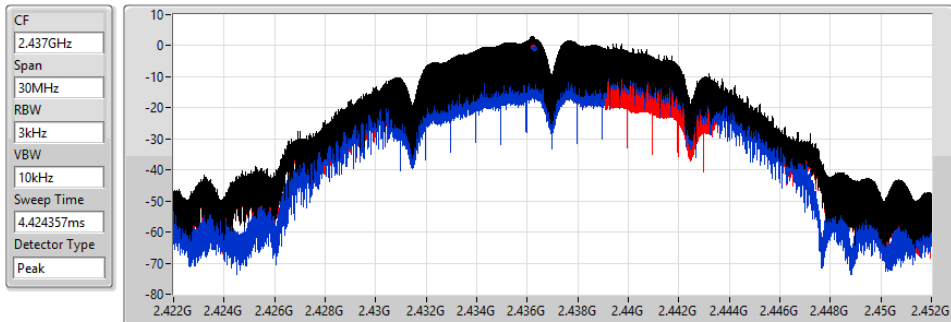
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.08	-0.08	-1.93	-3.34

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

16/04/2021



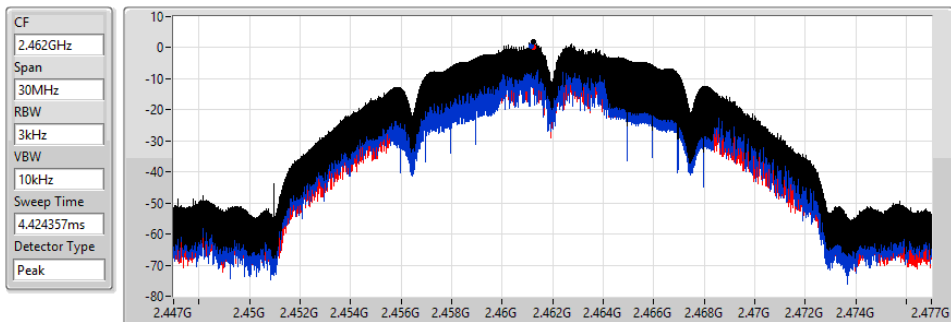
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.15	2.15	-1.02	-0.67

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

16/04/2021



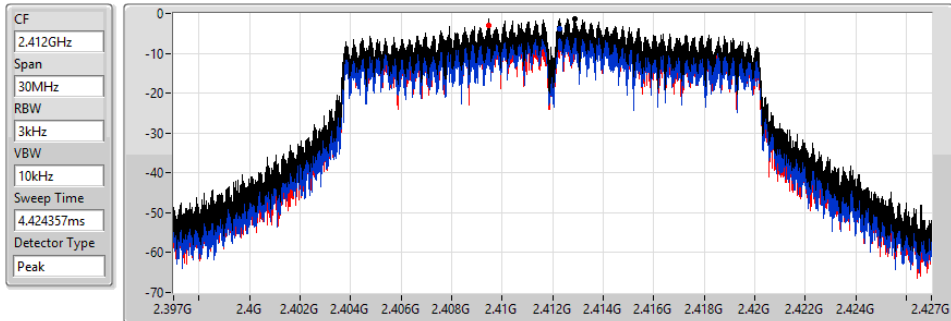
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.85	1.85	0.61	0.06

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

16/04/2021



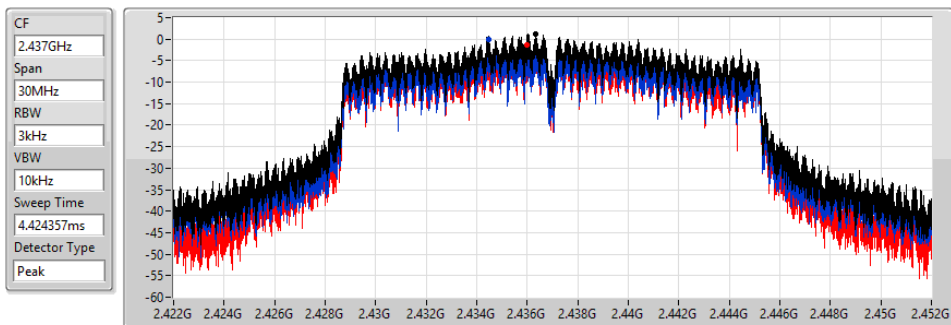
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.34	-1.34	-3.78	-3.12

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

16/04/2021



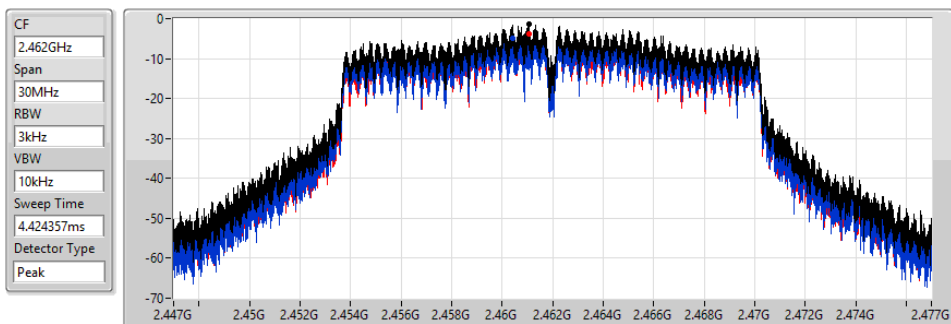
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.28	1.28	-0.03	-1.41

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

16/04/2021



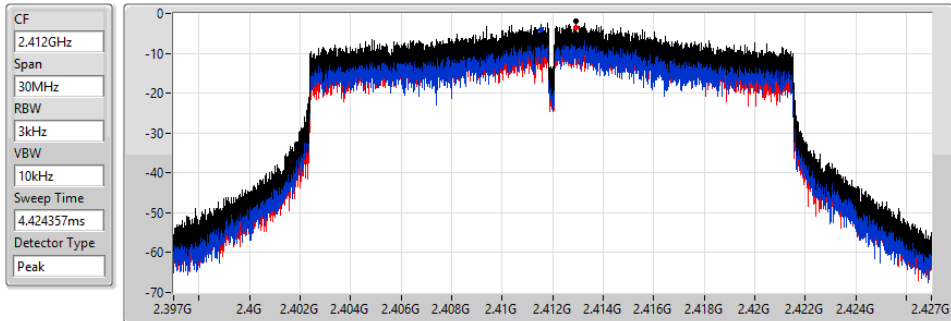
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.46	-1.46	-4.86	-3.82

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

16/04/2021



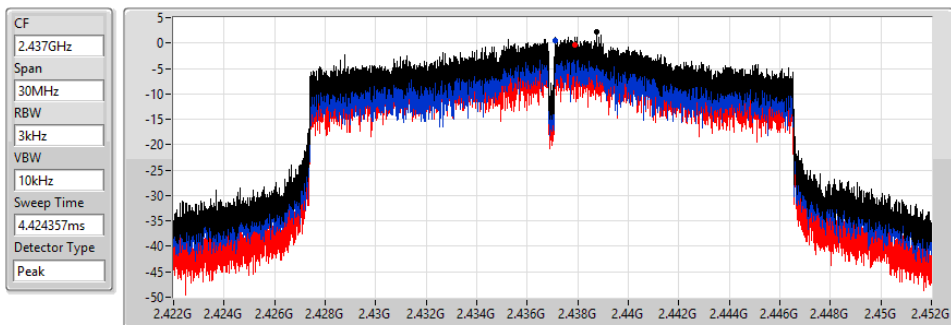
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.80	-1.80	-4.01	-3.48

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

16/04/2021



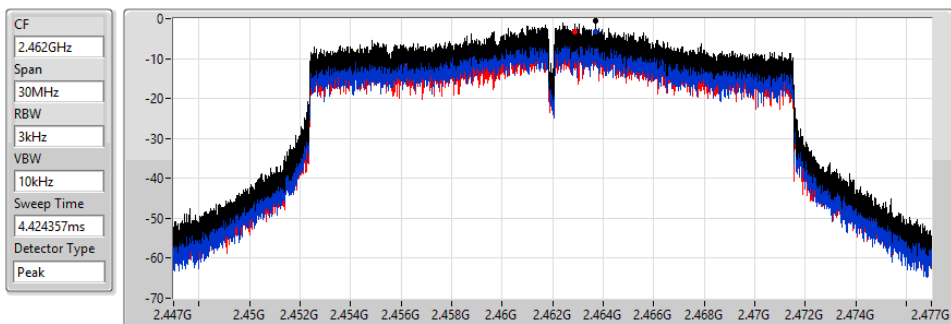
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.27	2.27	0.40	-0.27

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

16/04/2021



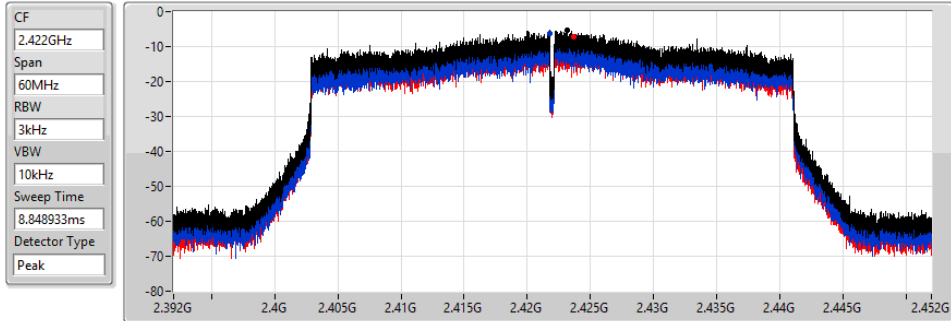
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.53	-0.53	-3.29	-3.31

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

16/04/2021



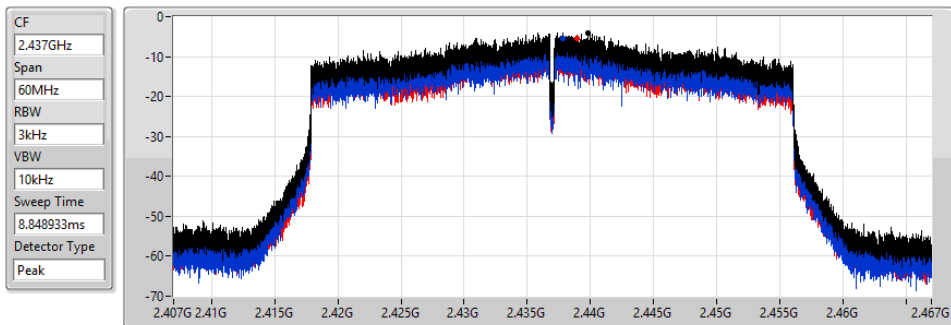
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.16	-5.16	-6.33	-7.30

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

16/04/2021



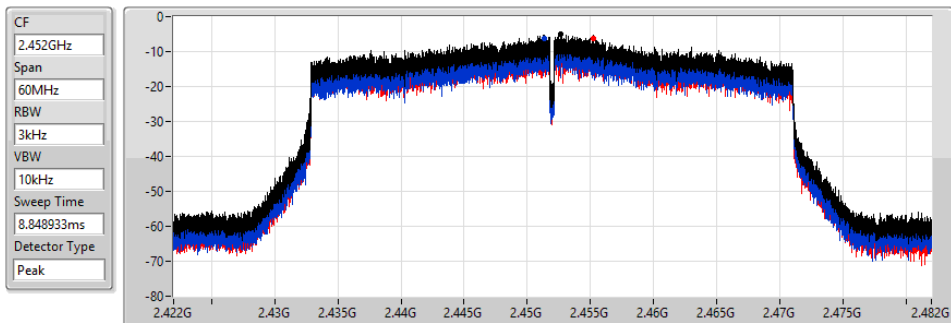
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.00	-4.00	-5.40	-5.40

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

16/04/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.96	-4.96	-6.40	-6.13

**Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43645G	17.68	-12.32	95.82M	-40.92	2.39848G	-37.73	2.4G	-46.93	2.50884G	-49.18	16.46736G	-47.01	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	16.82	-13.18	95.82M	-40.69	2.39984G	-27.55	2.4G	-28.82	2.50682G	-50.01	16.74551G	-46.90	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.4357G	14.70	-15.30	96.11M	-43.28	2.39994G	-27.95	2.4G	-27.13	2.51032G	-49.39	16.77079G	-46.31	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.43444G	9.22	-20.78	159.96M	-43.36	2.4G	-34.69	2.4G	-34.54	2.48858G	-51.16	16.41804G	-46.43	1

Result

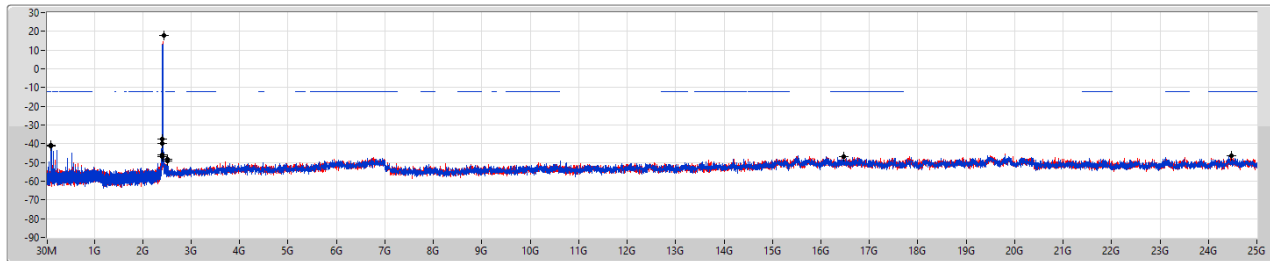
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1.(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43645G	17.68	-12.32	95.82M	-41.19	2.39746G	-39.77	2.4G	-46.08	2.50896G	-48.22	24.48023G	-46.55	1
2412MHz	Pass	2.43645G	17.68	-12.32	95.82M	-40.92	2.39848G	-37.73	2.4G	-46.93	2.50884G	-49.18	16.46736G	-47.01	2
2417MHz															
2437MHz	Pass	2.43645G	17.68	-12.32	95.82M	-42.18	2.4G	-49.53	2.4G	-49.61	2.48718G	-50.76	16.79046G	-46.04	1
2437MHz	Pass	2.43645G	17.68	-12.32	95.82M	-42.70	2.3975G	-46.56	2.4G	-50.07	2.48484G	-49.17	24.43809G	-46.15	2
2457MHz															
2462MHz	Pass	2.43645G	17.68	-12.32	223.97M	-40.79	2.4G	-50.96	2.4G	-51.08	2.4884G	-47.52	23.1485G	-46.88	1
2462MHz	Pass	2.43645G	17.68	-12.32	223.97M	-42.96	2.39998G	-50.46	2.4835G	-48.42	2.48888G	-45.00	23.47722G	-46.49	2
802.11g_Nss1.(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	16.82	-13.18	223.97M	-43.64	2.39998G	-28.06	2.4G	-28.04	2.50934G	-49.18	6.65075G	-46.54	1
2412MHz	Pass	2.43824G	16.82	-13.18	95.82M	-40.69	2.39984G	-27.55	2.4G	-28.82	2.50682G	-50.01	16.74551G	-46.90	2
2417MHz															
2437MHz	Pass	2.43824G	16.82	-13.18	95.82M	-40.05	2.39986G	-45.08	2.4G	-48.24	2.51226G	-49.30	16.79608G	-46.26	1
2437MHz	Pass	2.43824G	16.82	-13.18	95.82M	-41.99	2.39906G	-48.57	2.4G	-50.08	2.5124G	-50.58	24.76681G	-46.71	2
2457MHz															
2462MHz	Pass	2.43824G	16.82	-13.18	223.97M	-42.50	2.39996G	-49.92	2.4835G	-49.04	2.48358G	-46.44	16.72584G	-46.17	1
2462MHz	Pass	2.43824G	16.82	-13.18	95.82M	-42.48	2.39764G	-50.98	2.4835G	-47.66	2.48352G	-45.64	24.78366G	-46.70	2
802.11ax HEW20_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	14.70	-15.30	96.11M	-43.28	2.39994G	-27.95	2.4G	-27.13	2.51032G	-49.39	16.77079G	-46.31	1
2412MHz	Pass	2.4357G	14.70	-15.30	95.82M	-41.82	2.3999G	-29.89	2.4G	-30.54	2.5118G	-50.25	16.40836G	-47.17	2
2417MHz															
2437MHz	Pass	2.4357G	14.70	-15.30	95.82M	-43.04	2.39984G	-40.61	2.4G	-42.34	2.48454G	-47.93	16.44207G	-46.82	1
2437MHz	Pass	2.4357G	14.70	-15.30	95.82M	-43.55	2.39998G	-46.69	2.4G	-47.78	2.49222G	-50.22	16.8326G	-46.87	2
2457MHz															
2462MHz	Pass	2.4357G	14.70	-15.30	95.82M	-42.62	2.4G	-49.21	2.4835G	-46.01	2.48436G	-43.99	6.6086G	-46.85	1
2462MHz	Pass	2.4357G	14.70	-15.30	95.82M	-42.57	2.39996G	-51.10	2.4835G	-45.63	2.4839G	-43.15	15.1862G	-46.03	2
802.11ax HEW40_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43444G	9.22	-20.78	159.96M	-43.36	2.4G	-34.69	2.4G	-34.54	2.48858G	-51.16	16.41804G	-46.43	1
2422MHz	Pass	2.43444G	9.22	-20.78	159.96M	-43.83	2.39952G	-36.21	2.4G	-35.94	2.48418G	-50.17	6.68621G	-46.81	2
2427MHz															
2437MHz	Pass	2.43444G	9.22	-20.78	159.96M	-42.74	2.39524G	-41.07	2.4G	-43.11	2.48414G	-47.10	16.73495G	-46.16	1
2437MHz	Pass	2.43444G	9.22	-20.78	159.96M	-42.93	2.39928G	-39.35	2.4G	-42.84	2.4847G	-47.21	16.79665G	-46.65	2
2447MHz															
2452MHz	Pass	2.43444G	9.22	-20.78	95.84M	-43.90	2.39996G	-48.93	2.4835G	-44.25	2.48574G	-41.79	16.51059G	-46.57	1
2452MHz	Pass	2.43444G	9.22	-20.78	159.96M	-44.27	2.39944G	-51.03	2.4835G	-46.21	2.48498G	-43.81	24.50079G	-46.79	2

802.11b_Nss1,(1Mbps)_2TX

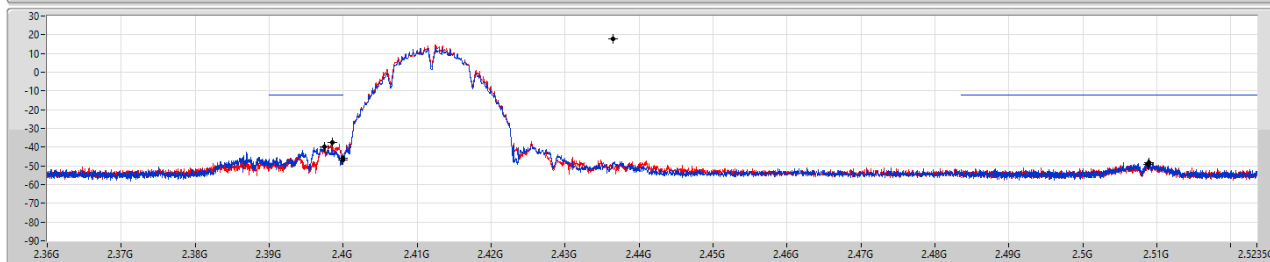
2412MHz

CSE NdB

16/04/2021



Port 1
Port 2



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

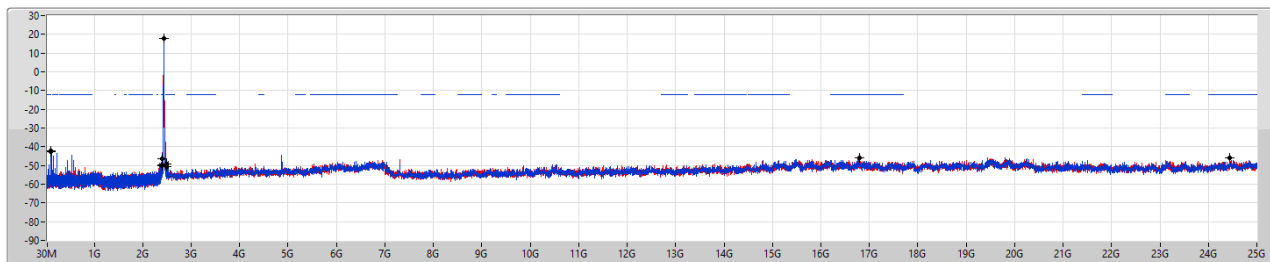
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43645G	17.68	-12.32	95.82M	-41.19	2.39746G	-39.77	2.4G	-46.08	2.50896G	-48.22	24.48023G	-46.55	1
2.43645G	17.68	-12.32	95.82M	-40.92	2.39848G	-37.73	2.4G	-46.93	2.50884G	-49.18	16.46736G	-47.01	2

802.11b_Nss1,(1Mbps)_2TX

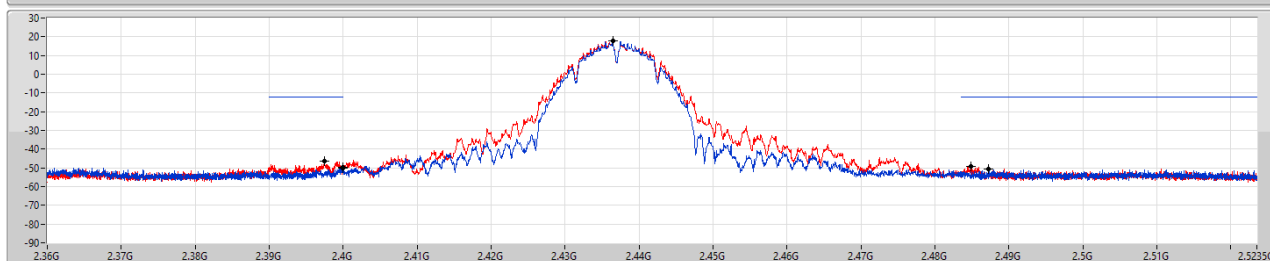
2437MHz

CSE NdB

16/04/2021



Port 1
Port 2



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

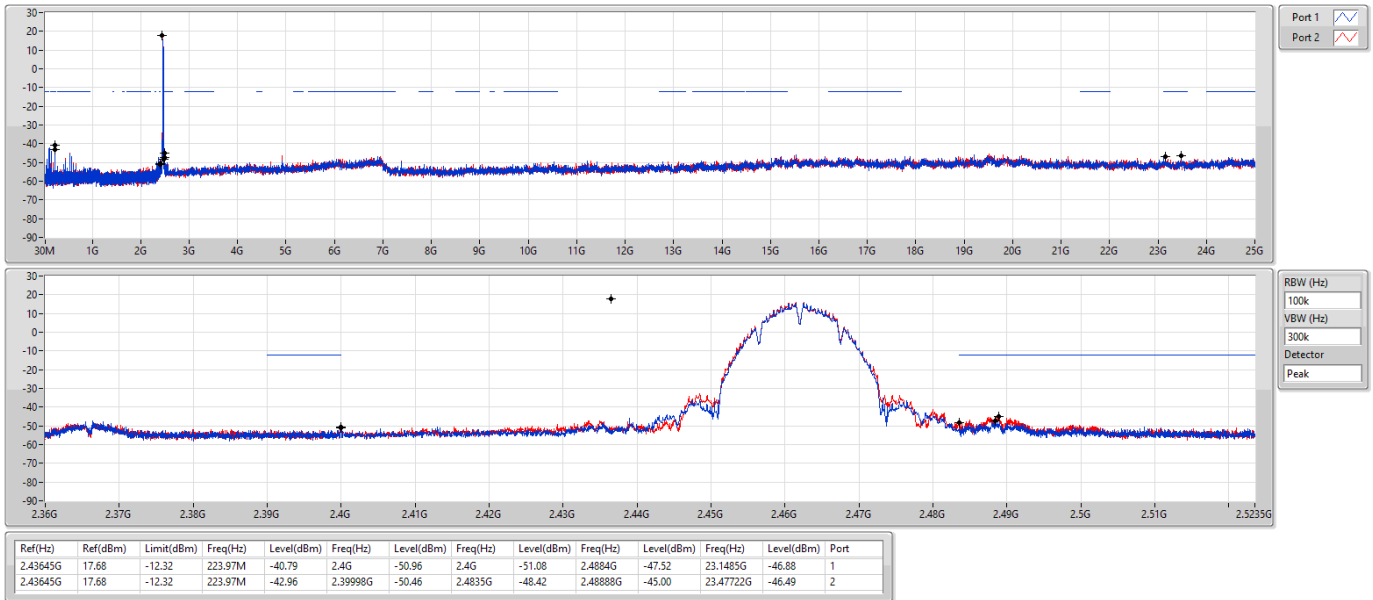
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2.43645G	17.68	-12.32	95.82M	-42.18	2.4G	-49.53	2.4G	-49.61	2.48718G	-50.76	16.79046G	-46.04	1
2.43645G	17.68	-12.32	95.82M	-42.70	2.3975G	-46.56	2.4G	-50.07	2.48484G	-49.17	24.43809G	-46.15	2

802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSE NdB

16/04/2021

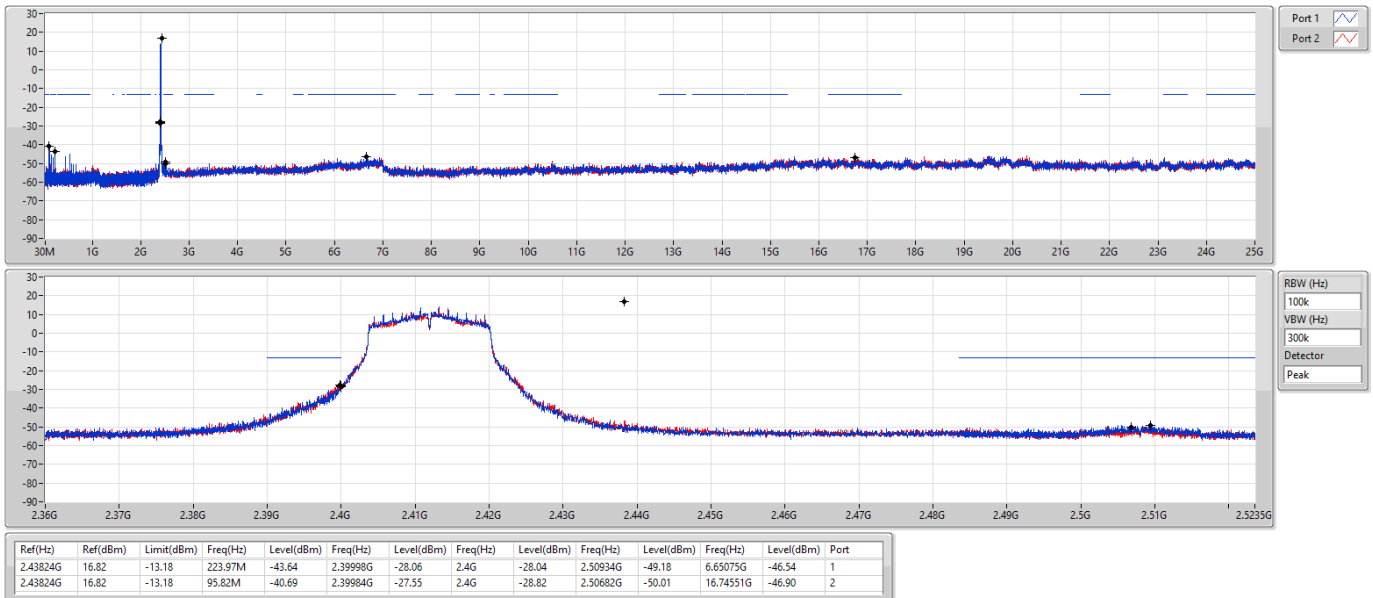


802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSE NdB

16/04/2021

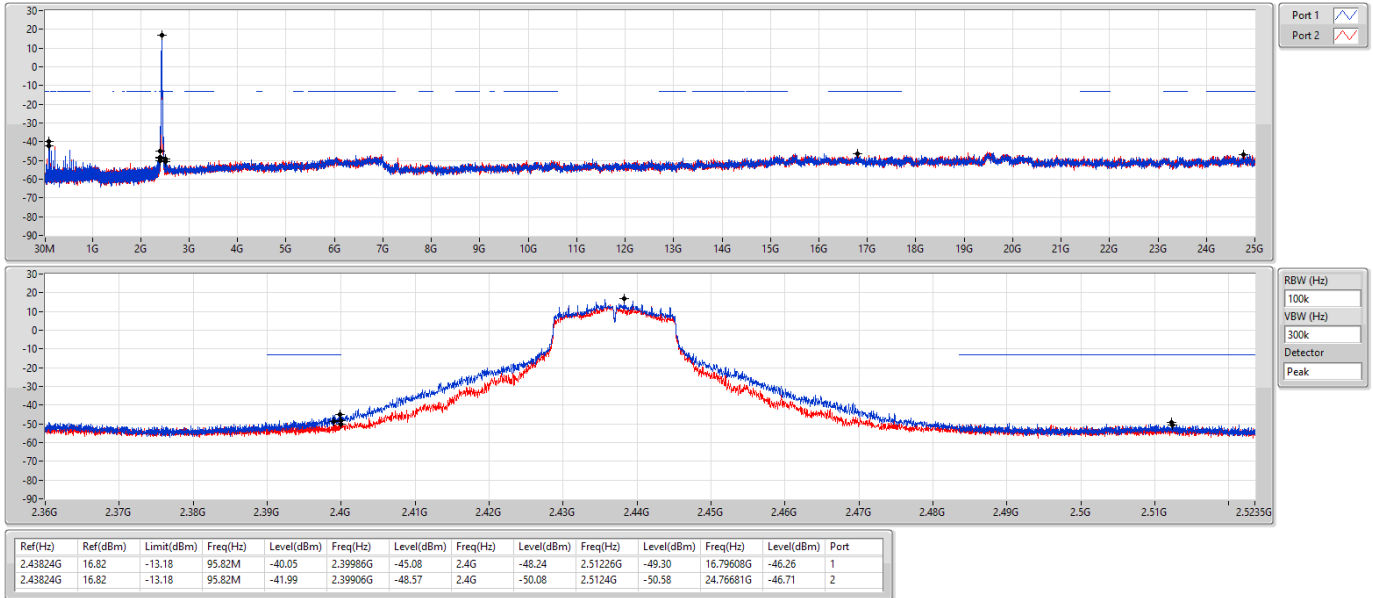


802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSE NdB

16/04/2021

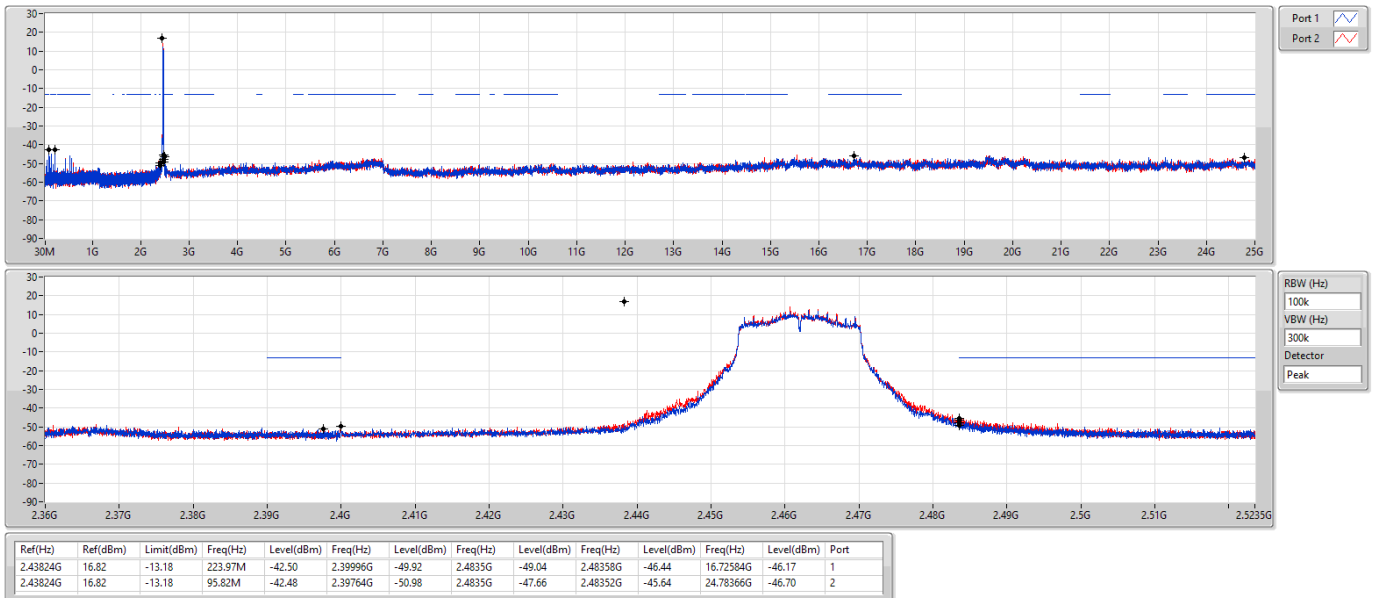


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSE NdB

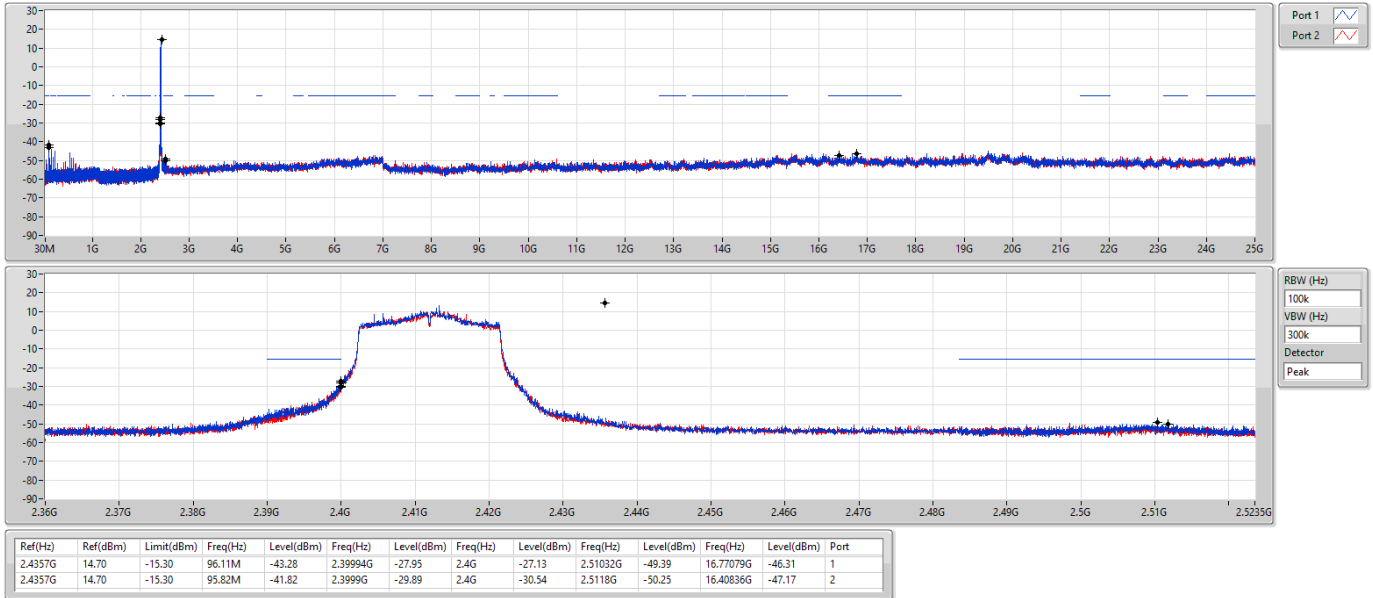
16/04/2021



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE NdB

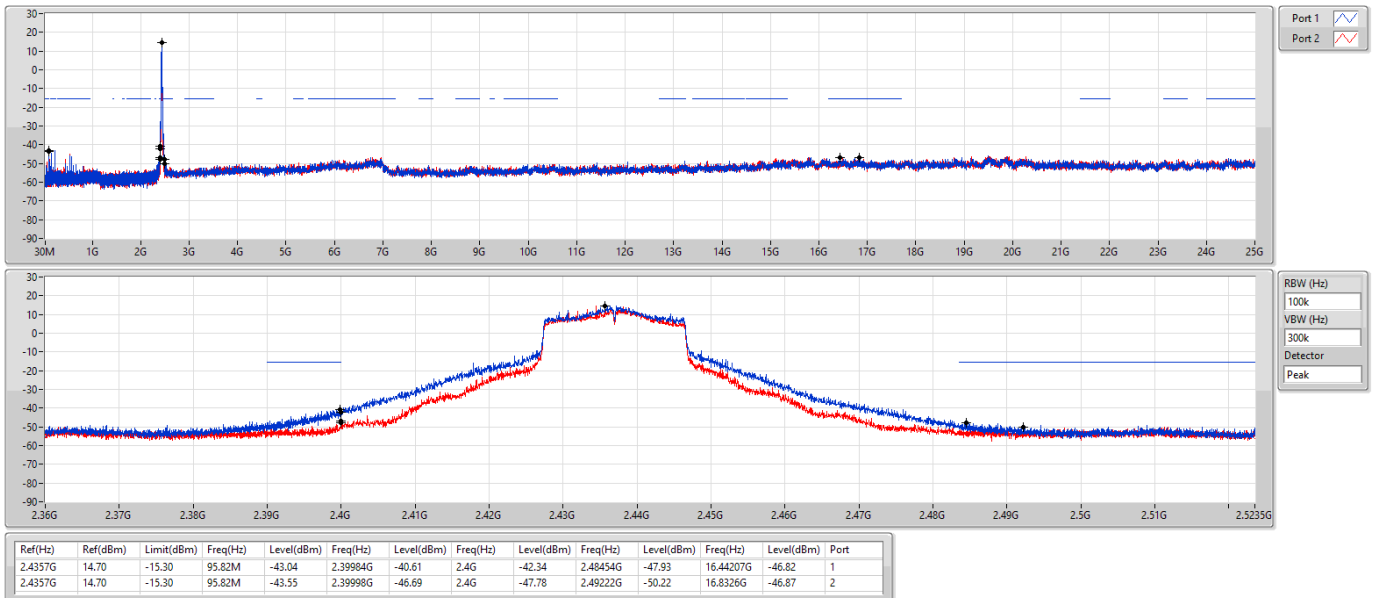
2412MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE NdB

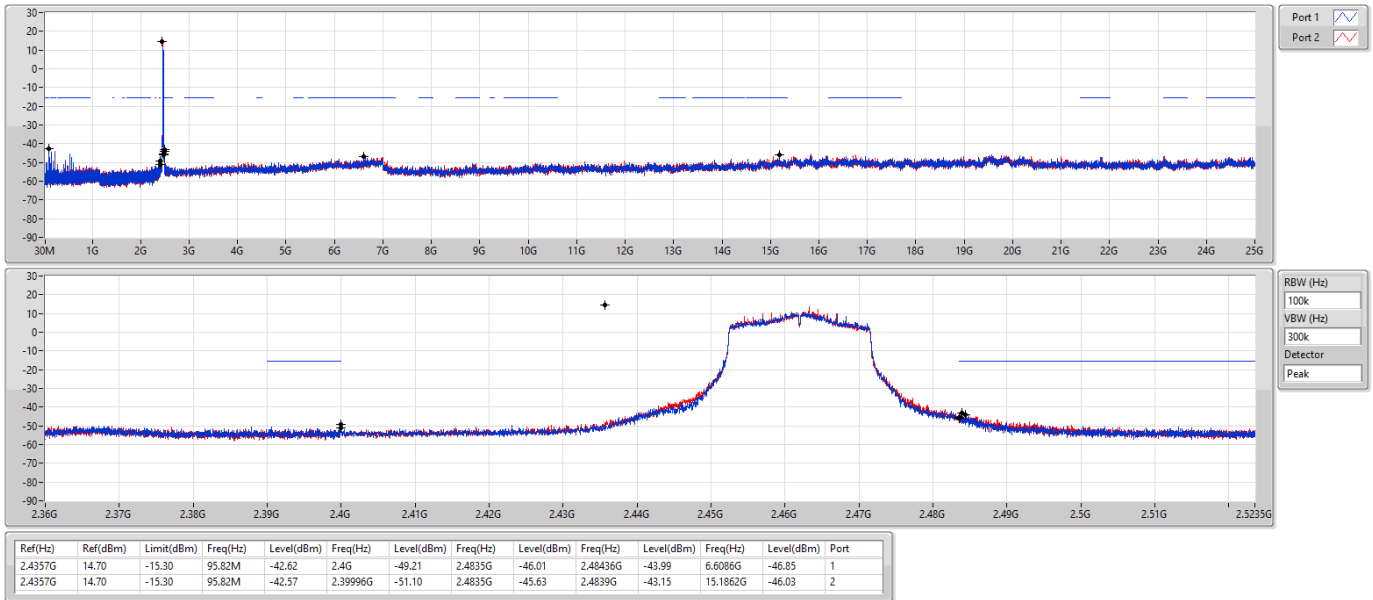
2437MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

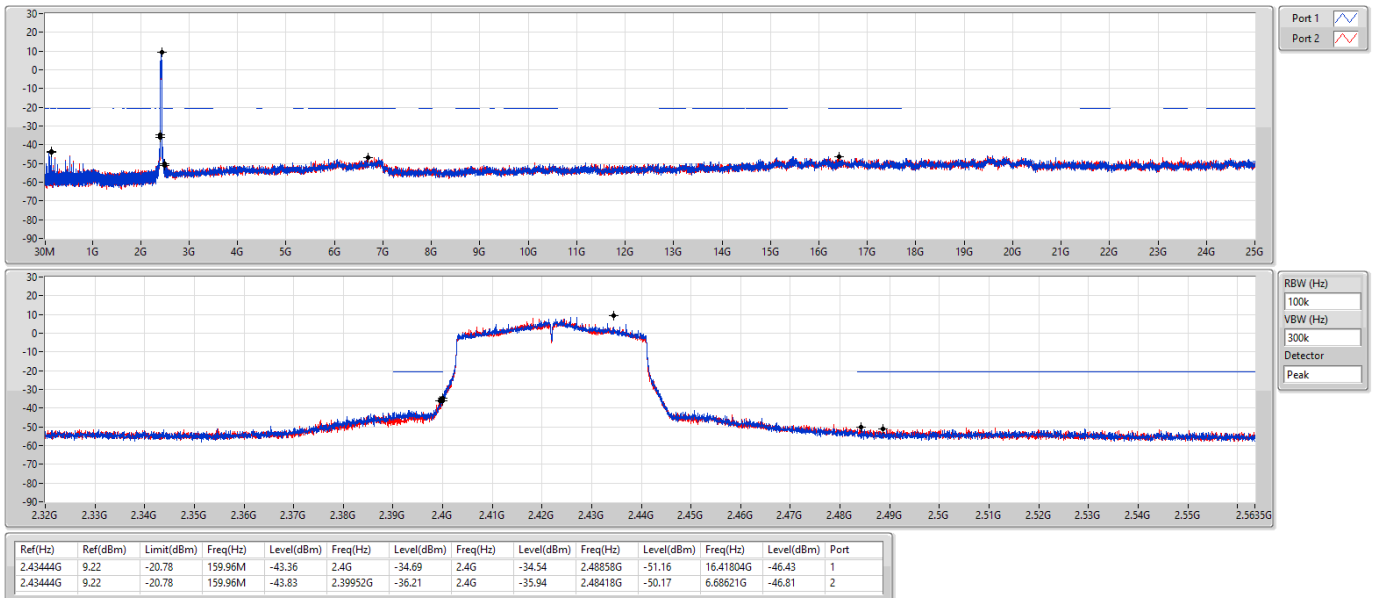
CSE NdB



802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

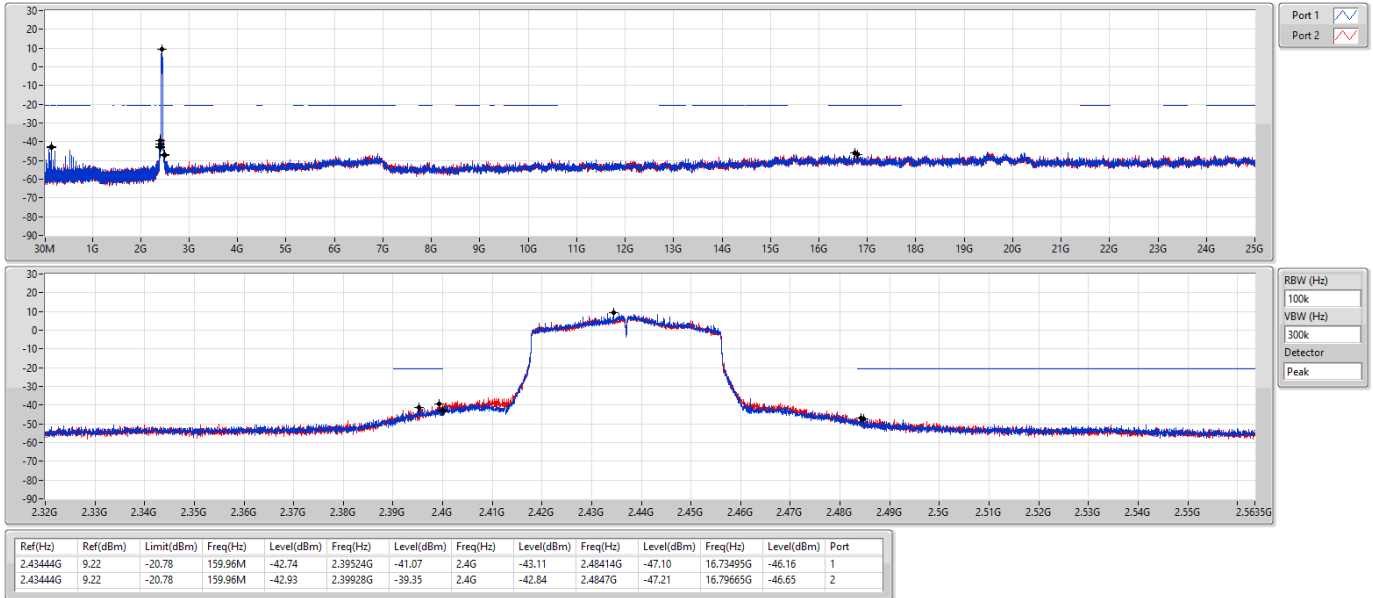
CSE NdB



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE NdB

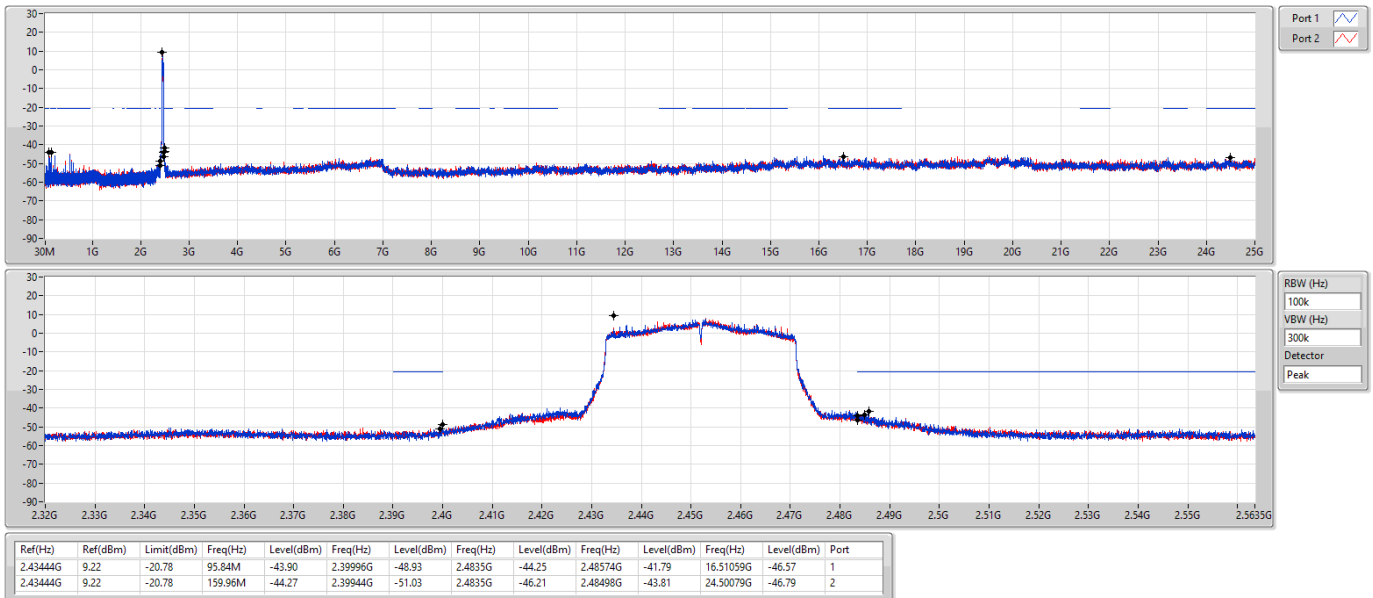
2437MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE NdB

2452MHz





Radiated Emissions below 1GHz Result

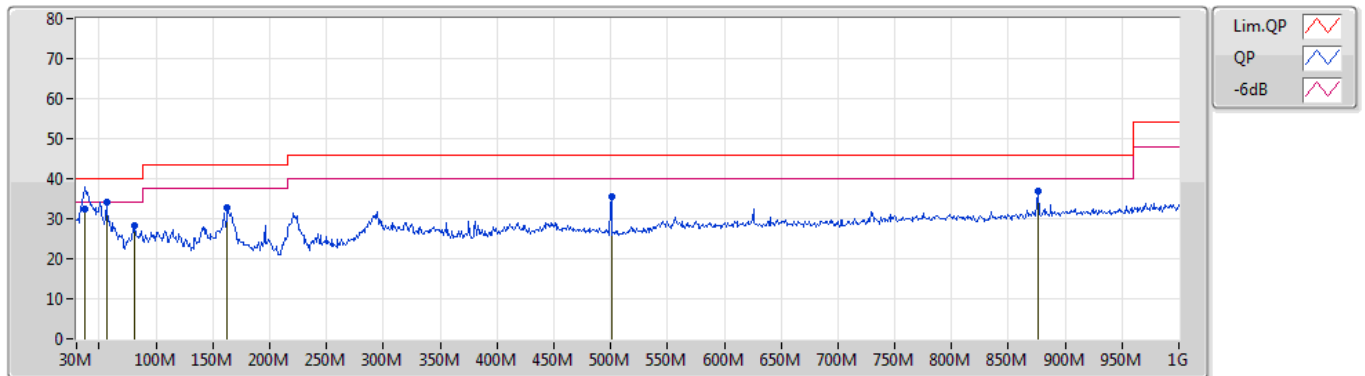
Appendix F.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	56.19M	34.25	40.00	-5.75	Vertical

Mode 1

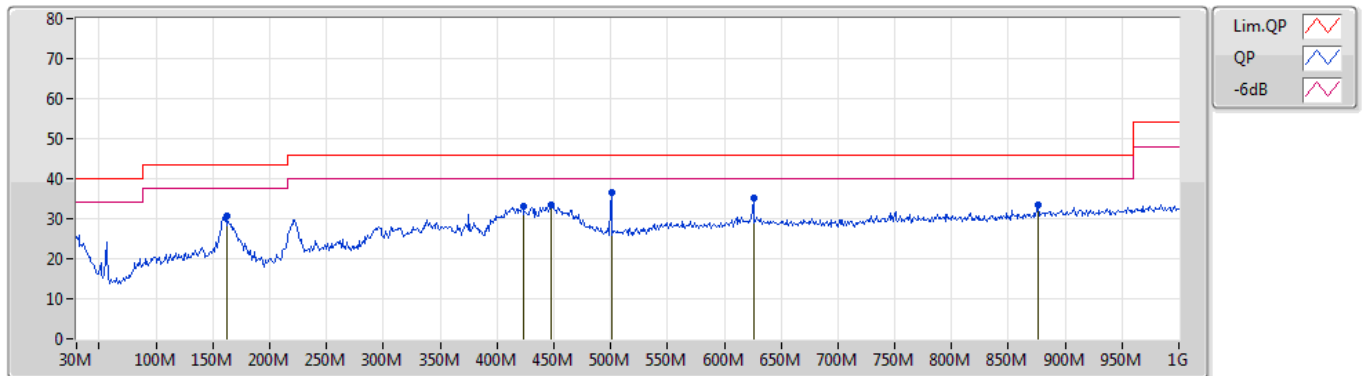
21/04/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	37.76M	32.34	40.00	-7.66	-10.92	3	Vertical	215	1.00	-	43.26	19.97	0.56	31.45
PK	56.19M	34.25	40.00	-5.75	-18.53	3	Vertical	13	1.25	"Worst"	52.78	12.51	0.72	31.76
PK	81.41M	28.19	40.00	-11.81	-17.85	3	Vertical	223	1.25	-	46.04	12.98	0.93	31.76
PK	162.89M	32.69	43.50	-10.81	-14.76	3	Vertical	170	1.00	-	47.45	15.55	1.41	31.72
PK	500.45M	35.42	46.00	-10.58	-6.29	3	Vertical	114	1.50	-	41.71	23.18	2.90	32.37
PK	875.84M	36.99	46.00	-9.01	-2.14	3	Vertical	204	1.25	-	39.13	26.10	4.11	32.35

Mode 1

21/04/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	161.92M	30.82	43.50	-12.68	-14.70	3	Horizontal	189	2.00	-	45.52	15.60	1.41	31.71
PK	422.85M	32.96	46.00	-13.04	-7.01	3	Horizontal	122	1.00	-	39.97	22.51	2.65	32.17
PK	448.07M	33.56	46.00	-12.44	-6.90	3	Horizontal	102	1.00	-	40.46	22.63	2.70	32.23
PK	500.45M	36.58	46.00	-9.42	-6.29	3	Horizontal	108	1.00	"Worst"	42.87	23.18	2.90	32.37
PK	625.58M	35.12	46.00	-10.88	-4.65	3	Horizontal	94	1.00	-	39.77	24.51	3.25	32.41
PK	875.84M	33.40	46.00	-12.60	-2.14	3	Horizontal	125	1.00	-	35.54	26.10	4.11	32.35

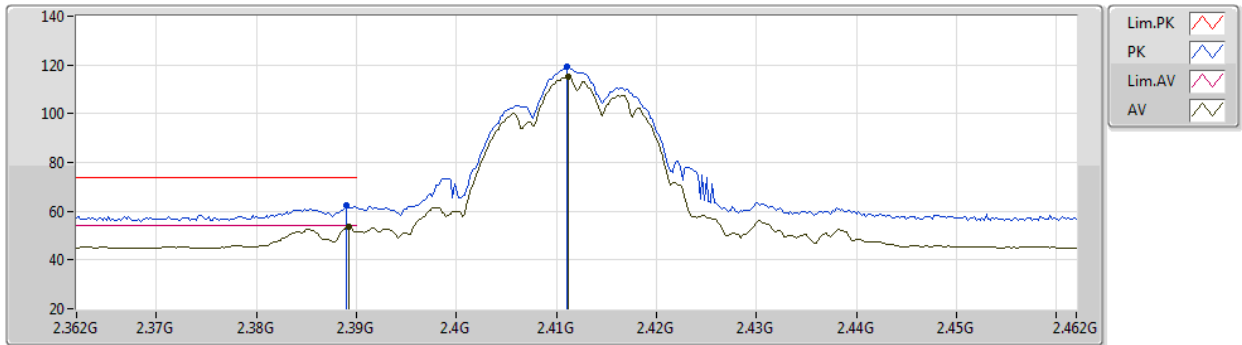
**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1.(MCS0)_2TX	Pass	AV	2.3898G	53.88	54.00	-0.12	3	Vertical	235	1.99	-

802.11b_Nss1,(1Mbps)_2TX

13/04/2021

2412MHz_TX



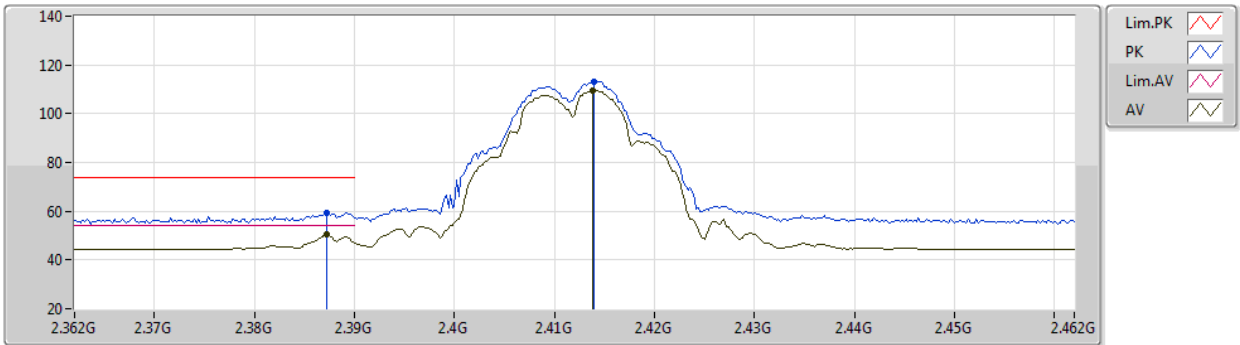
EUT Y_2TX
Setting 24
03-C-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	62.36	74.00	-11.64	30.55	3	Vertical	237	1.87	-	28.32	3.49	-
AV	2.3892G	53.68	54.00	-0.32	21.87	3	Vertical	237	1.87	-	28.32	3.49	-
PK	2.411G	119.07	Inf	-Inf	87.24	3	Vertical	237	1.87	-	28.32	3.51	-
AV	2.4112G	115.42	Inf	-Inf	83.59	3	Vertical	237	1.87	-	28.32	3.51	-

802.11b_Nss1,(1Mbps)_2TX

13/04/2021

2412MHz_TX



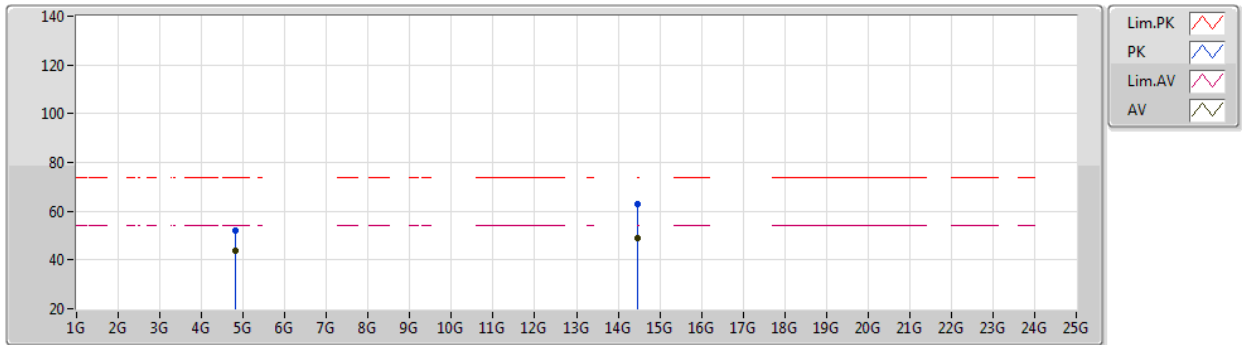
EUT Y_2TX
Setting 24
03-C-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3872G	59.35	74.00	-14.65	27.53	3	Horizontal	23	1.20	-	28.33	3.49	-
AV	2.3872G	50.46	54.00	-3.54	18.64	3	Horizontal	23	1.20	-	28.33	3.49	-
PK	2.414G	113.09	Inf	-Inf	81.25	3	Horizontal	23	1.20	-	28.33	3.51	-
AV	2.4138G	109.59	Inf	-Inf	77.75	3	Horizontal	23	1.20	-	28.33	3.51	-

802.11b_Nss1,(1Mbps)_2TX

13/04/2021

2412MHz_TX



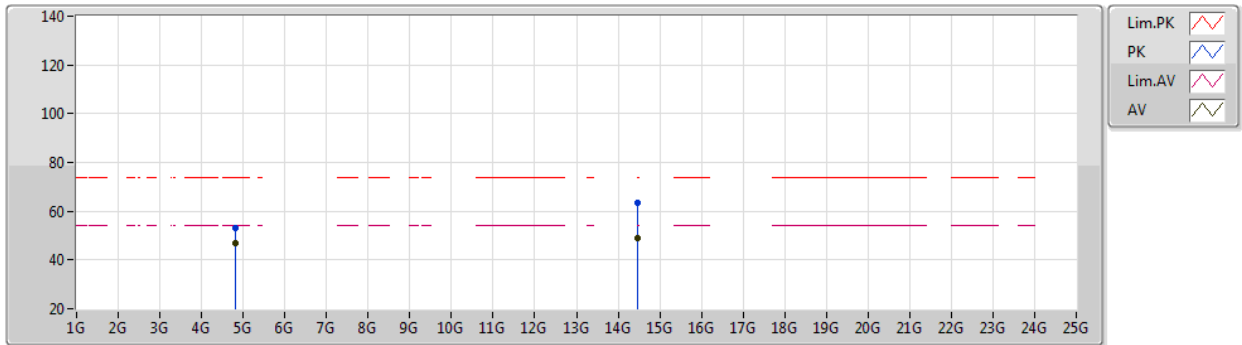
EUT Y_2TX
Setting 24
03-C-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.824G	51.93	74.00	-22.07	47.59	3	Vertical	108	1.89	-	33.40	6.24	35.30
AV	4.82398G	43.66	54.00	-10.34	39.32	3	Vertical	108	1.89	-	33.40	6.24	35.30
PK	14.47022G	63.11	74.00	-10.89	43.70	3	Vertical	182	2.22	-	42.04	11.24	33.87
AV	14.47522G	49.02	54.00	-4.98	29.60	3	Vertical	182	2.22	-	42.05	11.24	33.87

802.11b_Nss1,(1Mbps)_2TX

13/04/2021

2412MHz_TX



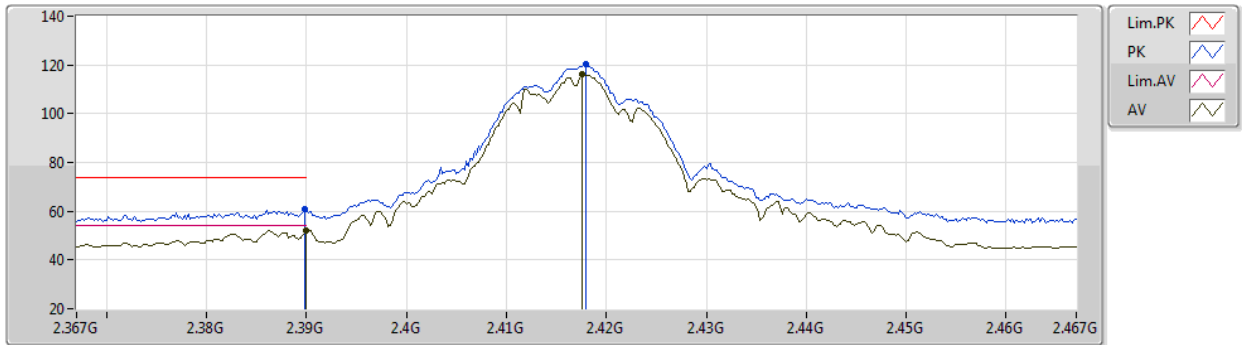
EUT Y_2TX
Setting 24
03-C-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82396G	53.36	74.00	-20.64	49.02	3	Horizontal	113	2.24	-	33.40	6.24	35.30
AV	4.82398G	47.05	54.00	-6.95	42.71	3	Horizontal	113	2.24	-	33.40	6.24	35.30
PK	14.47578G	63.40	74.00	-10.60	43.98	3	Horizontal	21	1.80	-	42.05	11.24	33.87
AV	14.47198G	49.17	54.00	-4.83	29.76	3	Horizontal	21	1.80	-	42.04	11.24	33.87

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2417MHz_TX



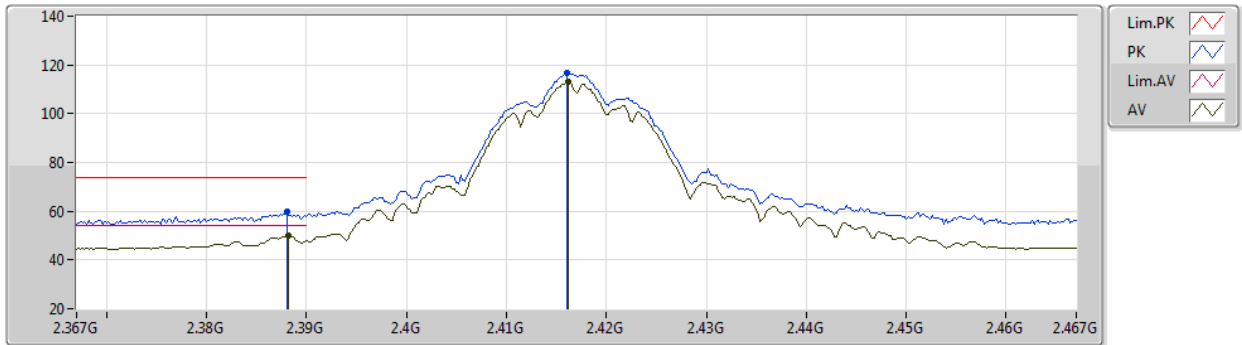
EUT Y_2TX
Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	60.85	74.00	-13.15	29.04	3	Vertical	85	1.22	-	28.32	3.49	-
PK	2.418G	120.10	Inf	-Inf	88.24	3	Vertical	85	1.22	-	28.34	3.52	-
AV	2.4176G	116.40	Inf	-Inf	84.54	3	Vertical	85	1.22	-	28.34	3.52	-
AV	2.39G	52.19	54.00	-1.81	20.38	3	Vertical	85	1.22	-	28.32	3.49	-

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2417MHz_TX



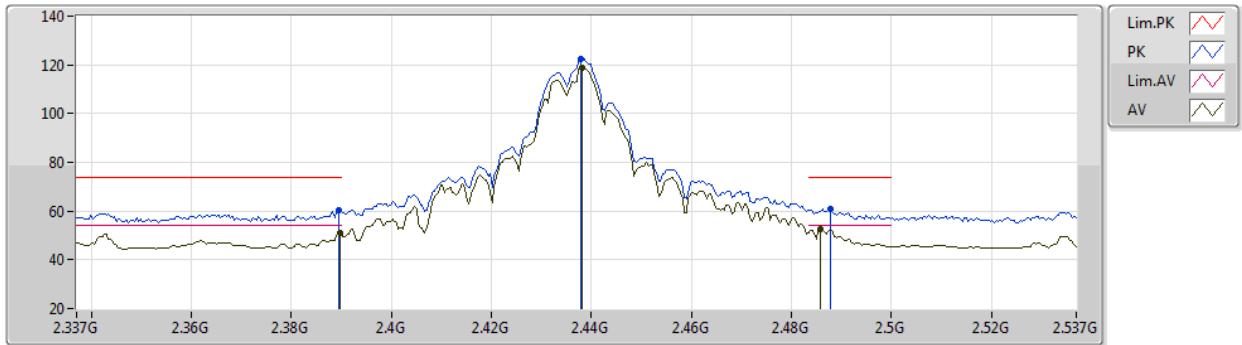
EUT Y_2TX
Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.388G	59.78	74.00	-14.22	27.97	3	Horizontal	24	1.80	-	28.32	3.49	-
AV	2.3882G	50.21	54.00	-3.79	18.40	3	Horizontal	24	1.80	-	28.32	3.49	-
PK	2.416G	116.82	Inf	-Inf	84.97	3	Horizontal	24	1.80	-	28.33	3.52	-
AV	2.4162G	113.24	Inf	-Inf	81.39	3	Horizontal	24	1.80	-	28.33	3.52	-

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2437MHz_TX



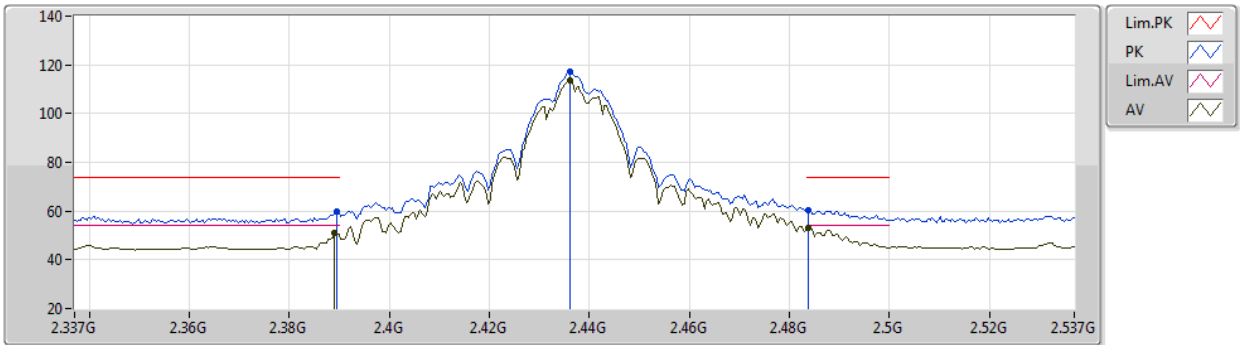
EUT Y_2TX
Setting 27.5
03-C-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	60.56	74.00	-13.44	28.75	3	Vertical	246	1.66	-	28.32	3.49	-
AV	2.3898G	51.07	54.00	-2.93	19.26	3	Vertical	246	1.66	-	28.32	3.49	-
PK	2.4378G	122.59	Inf	-Inf	90.67	3	Vertical	246	1.66	-	28.38	3.54	-
AV	2.4382G	118.54	Inf	-Inf	86.62	3	Vertical	246	1.66	-	28.38	3.54	-
PK	2.4878G	60.89	74.00	-13.11	28.67	3	Vertical	246	1.66	-	28.63	3.59	-
AV	2.4858G	52.56	54.00	-1.44	20.36	3	Vertical	246	1.66	-	28.61	3.59	-

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2437MHz_TX



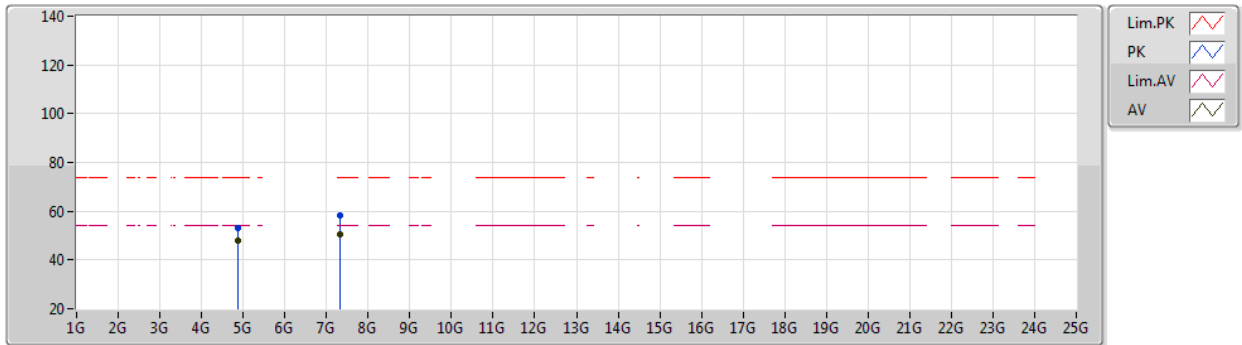
EUT Y_2TX
Setting 27.5
03-C-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	60.04	74.00	-13.96	28.23	3	Horizontal	25	1.00	-	28.32	3.49	-
AV	2.389G	50.93	54.00	-3.07	19.12	3	Horizontal	25	1.00	-	28.32	3.49	-
PK	2.4362G	117.25	Inf	-Inf	85.34	3	Horizontal	25	1.00	-	28.37	3.54	-
AV	2.4362G	113.61	Inf	-Inf	81.70	3	Horizontal	25	1.00	-	28.37	3.54	-
PK	2.4838G	60.33	74.00	-13.67	28.15	3	Horizontal	25	1.00	-	28.60	3.58	-
AV	2.4838G	53.12	54.00	-0.88	20.94	3	Horizontal	25	1.00	-	28.60	3.58	-

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2437MHz_TX



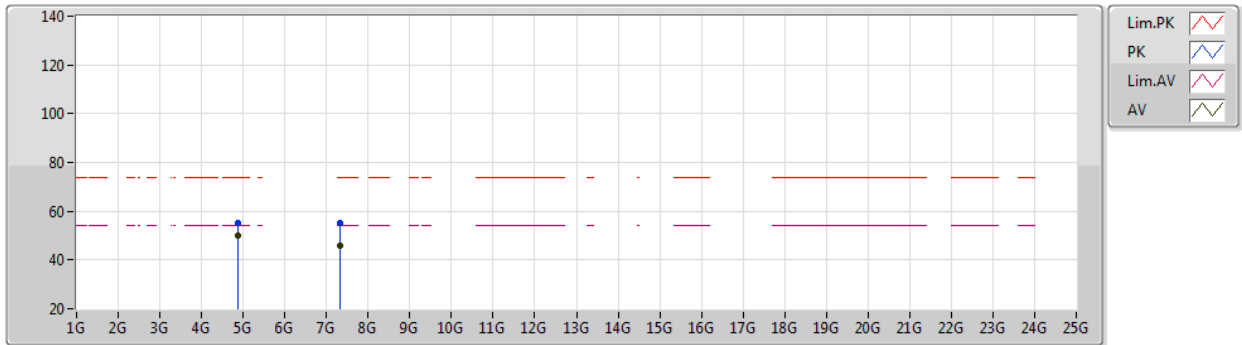
EUT Y_2TX
Setting 27.5
03-C-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87408G	53.29	74.00	-20.71	48.84	3	Vertical	114	2.06	-	33.50	6.31	35.36
AV	4.87394G	47.72	54.00	-6.28	43.27	3	Vertical	114	2.06	-	33.50	6.31	35.36
PK	7.31188G	58.12	74.00	-15.88	48.64	3	Vertical	299	1.94	-	37.00	7.87	35.39
AV	7.31166G	50.65	54.00	-3.35	41.17	3	Vertical	299	1.94	-	37.00	7.87	35.39

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2437MHz_TX



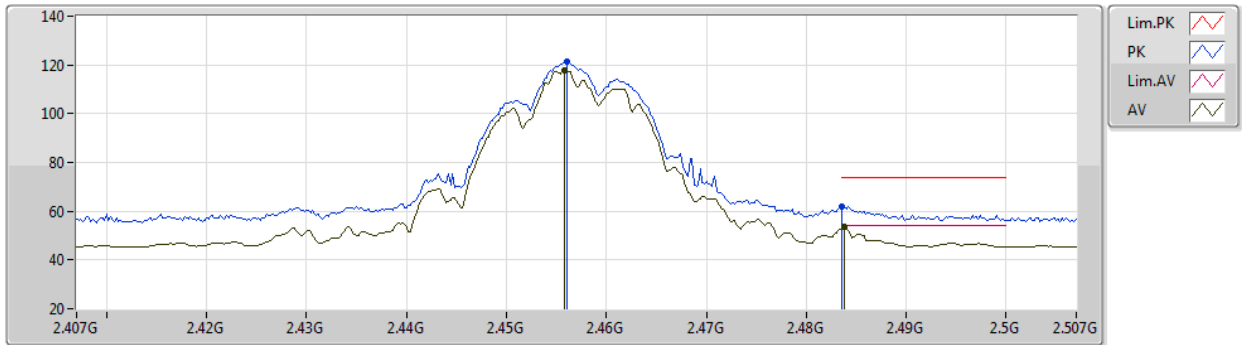
EUT Y_2TX
Setting 27.5
03-C-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87394G	54.96	74.00	-19.04	50.51	3	Horizontal	70	2.19	-	33.50	6.31	35.36
AV	4.87396G	50.24	54.00	-3.76	45.79	3	Horizontal	70	2.19	-	33.50	6.31	35.36
PK	7.3121G	55.19	74.00	-18.81	45.71	3	Horizontal	309	1.95	-	37.00	7.87	35.39
AV	7.31172G	46.06	54.00	-7.94	36.58	3	Horizontal	309	1.95	-	37.00	7.87	35.39

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2457MHz_TX



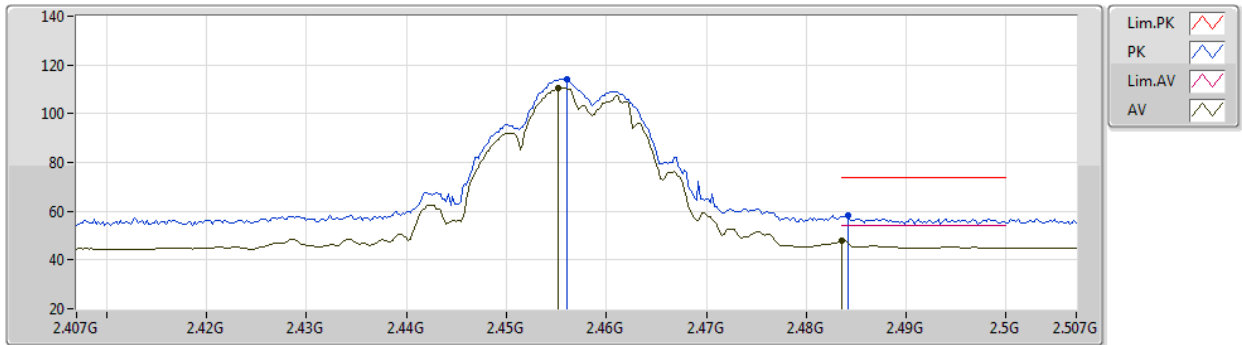
EUT Y_2TX
Setting 25.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.456G	121.24	Inf	-Inf	89.24	3	Vertical	240	1.80	-	28.44	3.56	-
AV	2.4558G	117.52	Inf	-Inf	85.53	3	Vertical	240	1.80	-	28.43	3.56	-
PK	2.4835G	62.11	74.00	-11.89	29.93	3	Vertical	240	1.80	-	28.60	3.58	-
AV	2.4838G	53.74	54.00	-0.26	21.56	3	Vertical	240	1.80	-	28.60	3.58	-

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2457MHz_TX



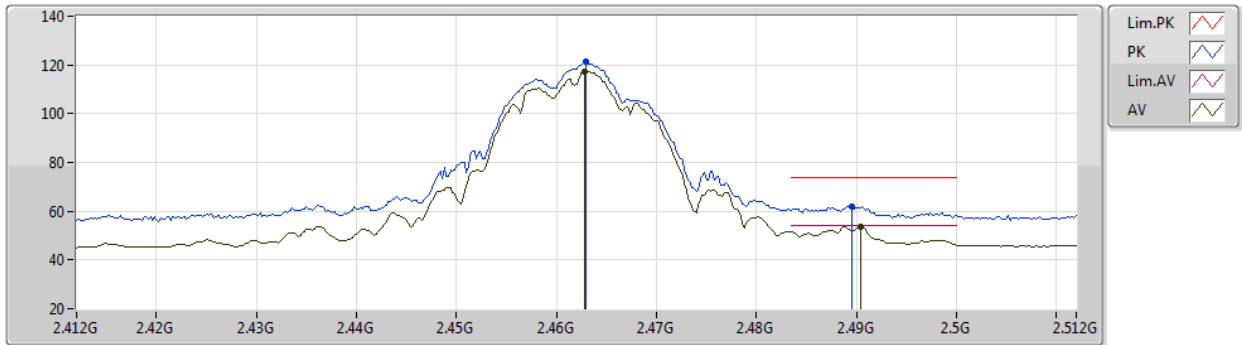
EUT Y_2TX
Setting 25.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.456G	114.22	Inf	-Inf	82.22	3	Horizontal	291	1.01	-	28.44	3.56	-
AV	2.4552G	110.52	Inf	-Inf	78.53	3	Horizontal	291	1.01	-	28.43	3.56	-
PK	2.4842G	58.14	74.00	-15.86	25.95	3	Horizontal	291	1.01	-	28.61	3.58	-
AV	2.4836G	47.87	54.00	-6.13	15.69	3	Horizontal	291	1.01	-	28.60	3.58	-

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2462MHz_TX



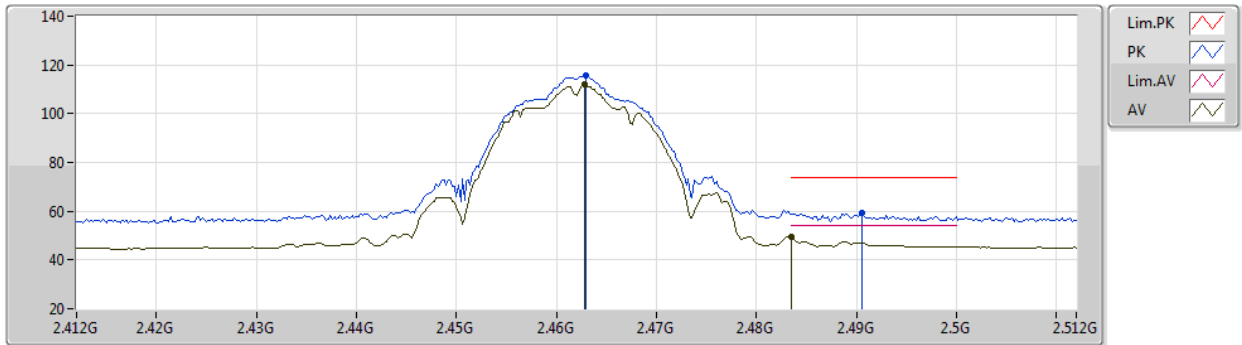
EUT Y_2TX
Setting 25.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	121.36	Inf	-Inf	89.32	3	Vertical	259	1.80	-	28.48	3.56	-
AV	2.4628G	117.33	Inf	-Inf	85.29	3	Vertical	259	1.80	-	28.48	3.56	-
PK	2.4896G	61.99	74.00	-12.01	29.76	3	Vertical	259	1.80	-	28.64	3.59	-
AV	2.4904G	53.86	54.00	-0.14	21.63	3	Vertical	259	1.80	-	28.64	3.59	-

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2462MHz_TX



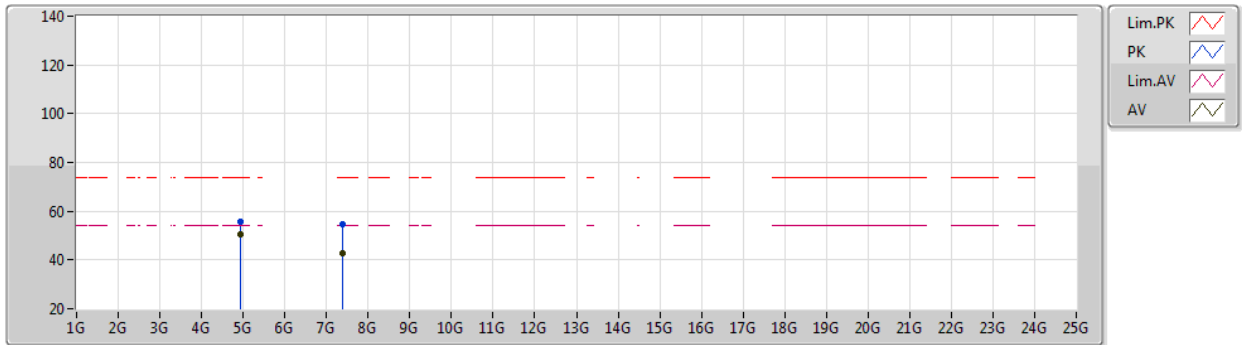
EUT Y_2TX
Setting 25.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	115.83	Inf	-Inf	83.79	3	Horizontal	34	1.53	-	28.48	3.56	-
AV	2.4628G	111.90	Inf	-Inf	79.86	3	Horizontal	34	1.53	-	28.48	3.56	-
PK	2.4906G	59.06	74.00	-14.94	26.83	3	Horizontal	34	1.53	-	28.64	3.59	-
AV	2.4835G	49.47	54.00	-4.53	17.29	3	Horizontal	34	1.53	-	28.60	3.58	-

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2462MHz_TX



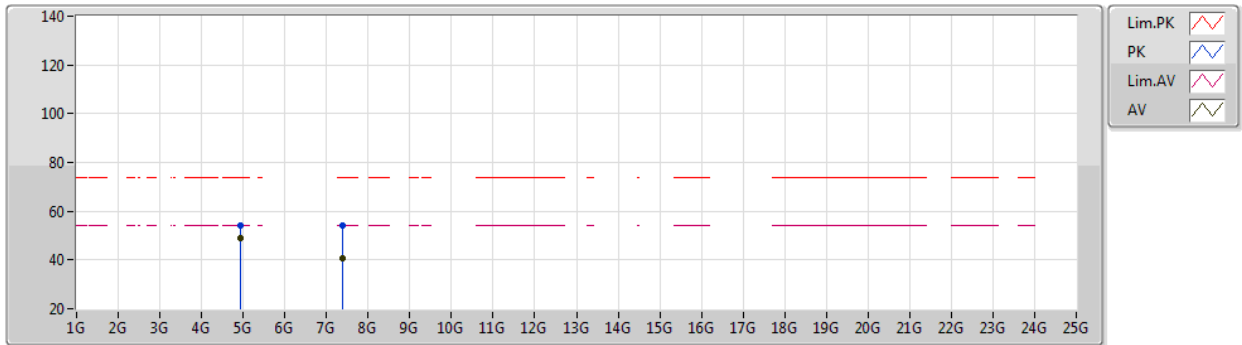
EUT Y_2TX
Setting 25.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92384G	55.44	74.00	-18.56	50.81	3	Vertical	220	2.19	-	33.65	6.39	35.41
AV	4.92396G	50.62	54.00	-3.38	45.99	3	Vertical	220	2.19	-	33.65	6.39	35.41
PK	7.38736G	54.65	74.00	-19.35	45.01	3	Vertical	307	2.35	-	37.07	7.98	35.41
AV	7.38758G	42.98	54.00	-11.02	33.33	3	Vertical	307	2.35	-	37.08	7.98	35.41

802.11b_Nss1,(1Mbps)_2TX

15/04/2021

2462MHz_TX



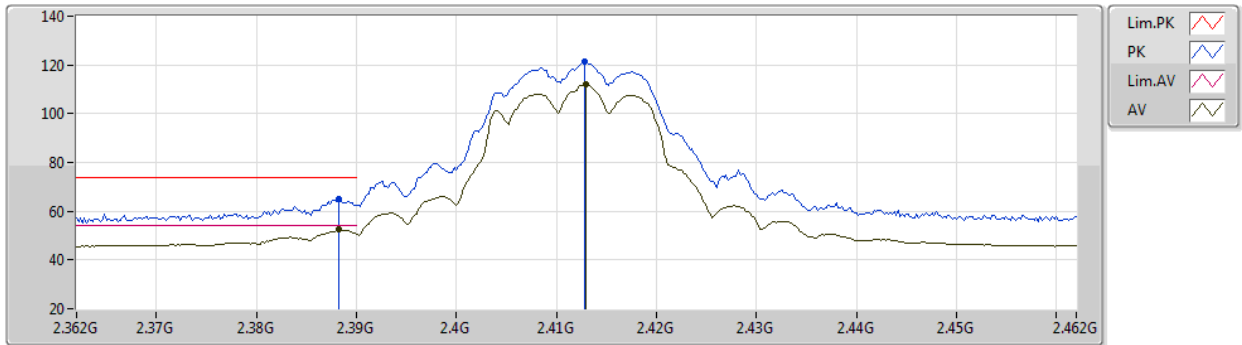
EUT Y_2TX
Setting 25.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92394G	53.99	74.00	-20.01	49.36	3	Horizontal	311	2.18	-	33.65	6.39	35.41
AV	4.92392G	48.75	54.00	-5.25	44.12	3	Horizontal	311	2.18	-	33.65	6.39	35.41
PK	7.38692G	54.08	74.00	-19.92	44.44	3	Horizontal	123	2.20	-	37.07	7.98	35.41
AV	7.38718G	40.77	54.00	-13.23	31.13	3	Horizontal	123	2.20	-	37.07	7.98	35.41

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2412MHz_TX



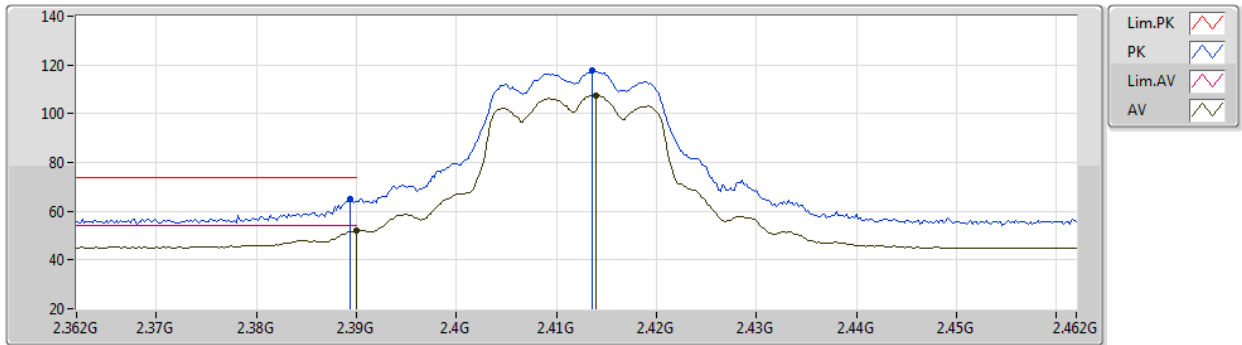
EUT Y_2TX
Setting 23
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	65.23	74.00	-8.77	33.42	3	Vertical	239	1.86	-	28.32	3.49	-
AV	2.3882G	52.80	54.00	-1.20	20.99	3	Vertical	239	1.86	-	28.32	3.49	-
PK	2.4128G	121.34	Inf	-Inf	89.50	3	Vertical	239	1.86	-	28.33	3.51	-
AV	2.413G	111.94	Inf	-Inf	80.10	3	Vertical	239	1.86	-	28.33	3.51	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2412MHz_TX



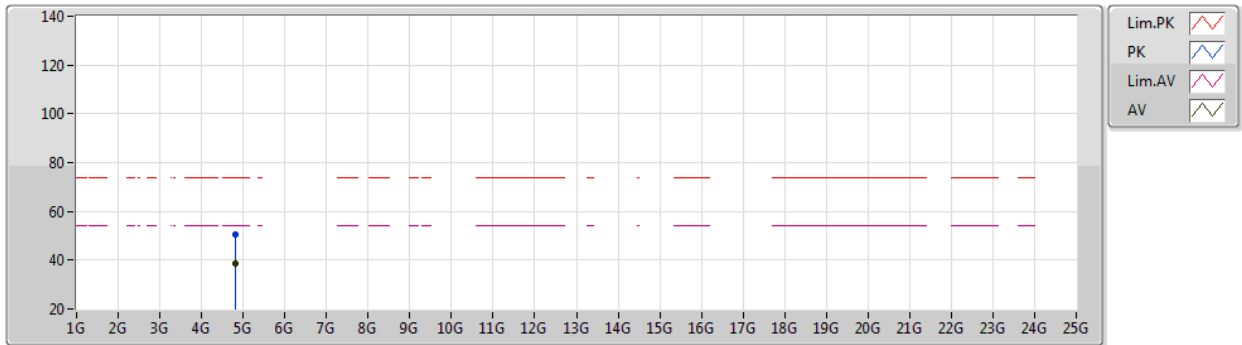
EUT Y_2TX
Setting 23
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	64.77	74.00	-9.23	32.96	3	Horizontal	46	2.89	-	28.32	3.49	-
AV	2.39G	52.27	54.00	-1.73	20.46	3	Horizontal	46	2.89	-	28.32	3.49	-
PK	2.4136G	117.84	Inf	-Inf	86.00	3	Horizontal	46	2.89	-	28.33	3.51	-
AV	2.414G	107.38	Inf	-Inf	75.54	3	Horizontal	46	2.89	-	28.33	3.51	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2412MHz_TX



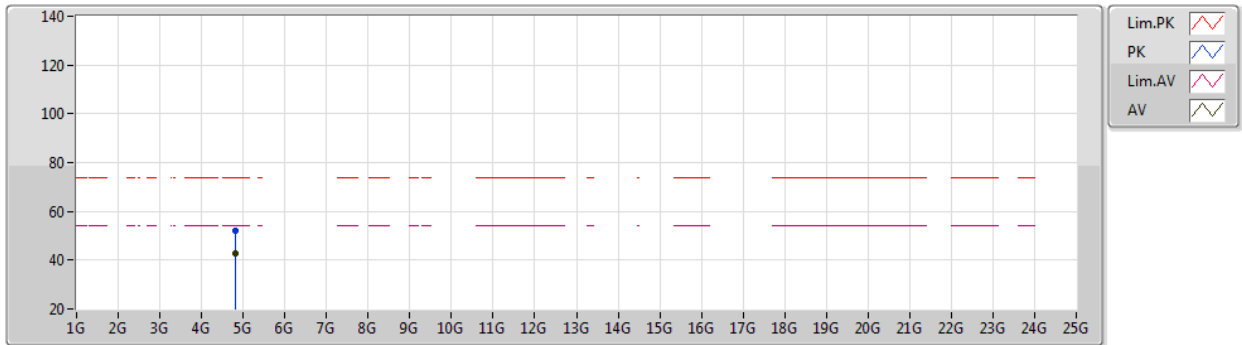
EUT Y_2TX
Setting 23
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82516G	50.74	74.00	-23.26	46.40	3	Vertical	238	1.65	-	33.40	6.24	35.30
AV	4.82396G	38.46	54.00	-15.54	34.12	3	Vertical	238	1.65	-	33.40	6.24	35.30

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2412MHz_TX



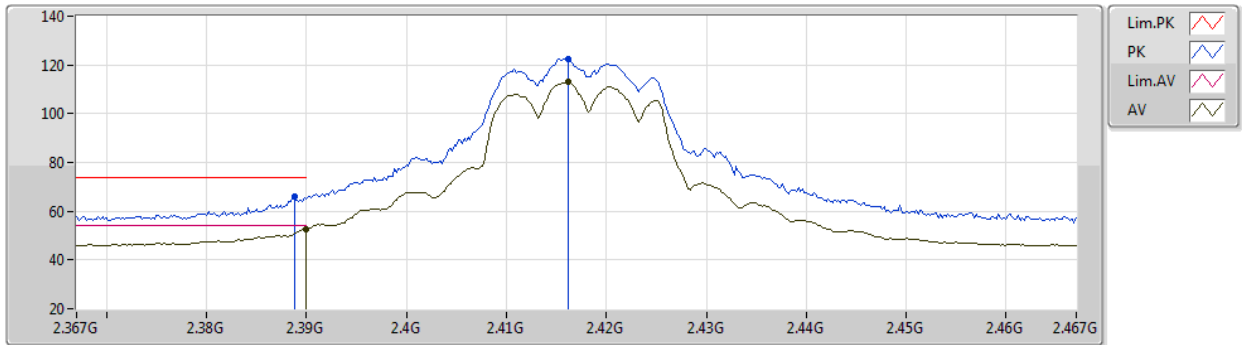
EUT Y_2TX
Setting 23
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82408G	52.26	74.00	-21.74	47.92	3	Horizontal	321	2.27	-	33.40	6.24	35.30
AV	4.82398G	42.59	54.00	-11.41	38.25	3	Horizontal	321	2.27	-	33.40	6.24	35.30

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2417MHz_TX



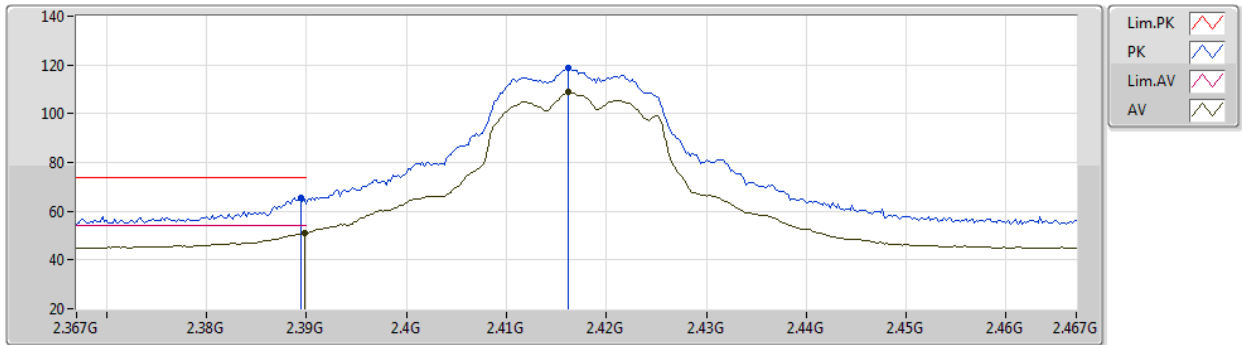
EUT Y_2TX
Setting 23.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	65.90	74.00	-8.10	34.09	3	Vertical	250	2.64	-	28.32	3.49	-
AV	2.39G	52.78	54.00	-1.22	20.97	3	Vertical	250	2.64	-	28.32	3.49	-
PK	2.4162G	122.45	Inf	-Inf	90.60	3	Vertical	250	2.64	-	28.33	3.52	-
AV	2.4162G	112.86	Inf	-Inf	81.01	3	Vertical	250	2.64	-	28.33	3.52	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2417MHz_TX



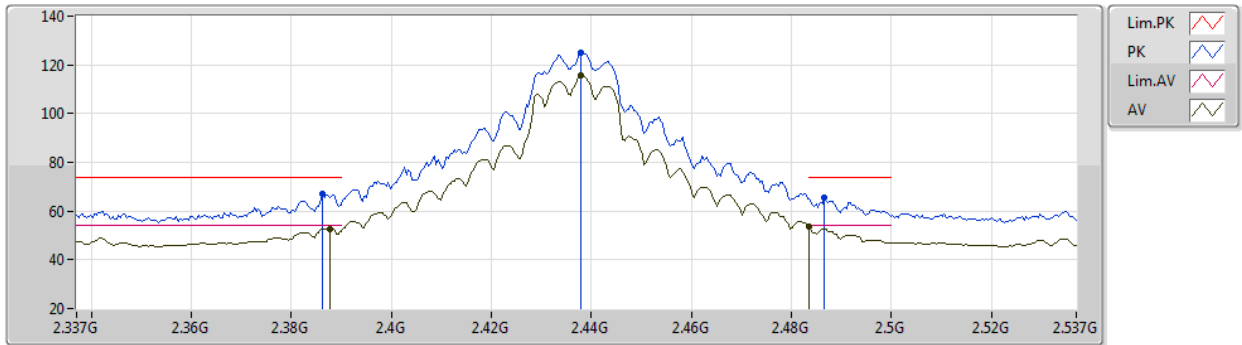
EUT Y_2TX
Setting 23.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	65.57	74.00	-8.43	33.76	3	Horizontal	51	2.56	-	28.32	3.49	-
AV	2.3898G	51.17	54.00	-2.83	19.36	3	Horizontal	51	2.56	-	28.32	3.49	-
PK	2.4162G	118.59	Inf	-Inf	86.74	3	Horizontal	51	2.56	-	28.33	3.52	-
AV	2.4162G	108.72	Inf	-Inf	76.87	3	Horizontal	51	2.56	-	28.33	3.52	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2437MHz_TX



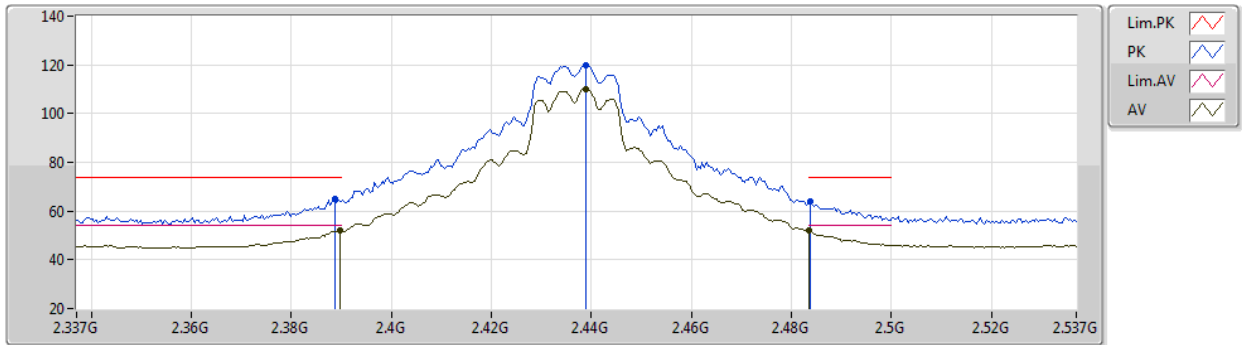
EUT Y_2TX
Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3862G	67.19	74.00	-6.81	35.37	3	Vertical	245	1.61	-	28.33	3.49	-
AV	2.3878G	52.79	54.00	-1.21	20.98	3	Vertical	245	1.61	-	28.32	3.49	-
PK	2.4378G	124.78	Inf	-Inf	92.86	3	Vertical	245	1.61	-	28.38	3.54	-
AV	2.4378G	115.71	Inf	-Inf	83.79	3	Vertical	245	1.61	-	28.38	3.54	-
PK	2.4866G	65.30	74.00	-8.70	33.09	3	Vertical	245	1.61	-	28.62	3.59	-
AV	2.4835G	53.73	54.00	-0.27	21.55	3	Vertical	245	1.61	-	28.60	3.58	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2437MHz_TX



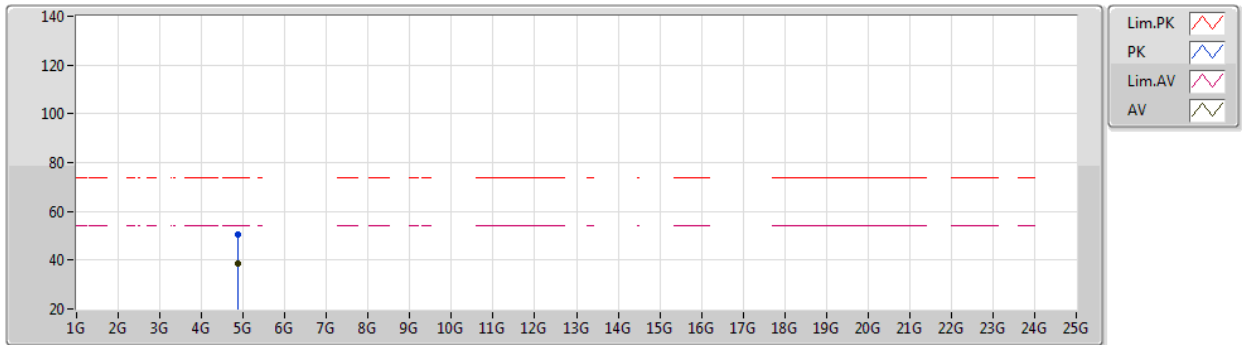
EUT Y_2TX
Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	64.99	74.00	-9.01	33.18	3	Horizontal	47	1.15	-	28.32	3.49	-
AV	2.3898G	51.86	54.00	-2.14	20.05	3	Horizontal	47	1.15	-	28.32	3.49	-
PK	2.439G	119.74	Inf	-Inf	87.82	3	Horizontal	47	1.15	-	28.38	3.54	-
AV	2.439G	109.98	Inf	-Inf	78.06	3	Horizontal	47	1.15	-	28.38	3.54	-
PK	2.4838G	63.76	74.00	-10.24	31.58	3	Horizontal	47	1.15	-	28.60	3.58	-
AV	2.4835G	52.19	54.00	-1.81	20.01	3	Horizontal	47	1.15	-	28.60	3.58	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2437MHz_TX



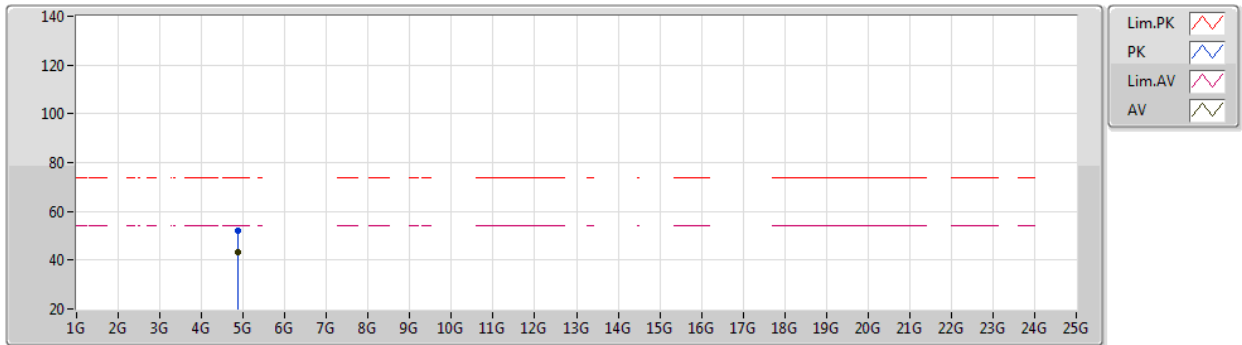
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Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87406G	50.69	74.00	-23.31	46.24	3	Vertical	235	1.92	-	33.50	6.31	35.36
AV	4.87398G	38.80	54.00	-15.20	34.35	3	Vertical	235	1.92	-	33.50	6.31	35.36

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2437MHz_TX



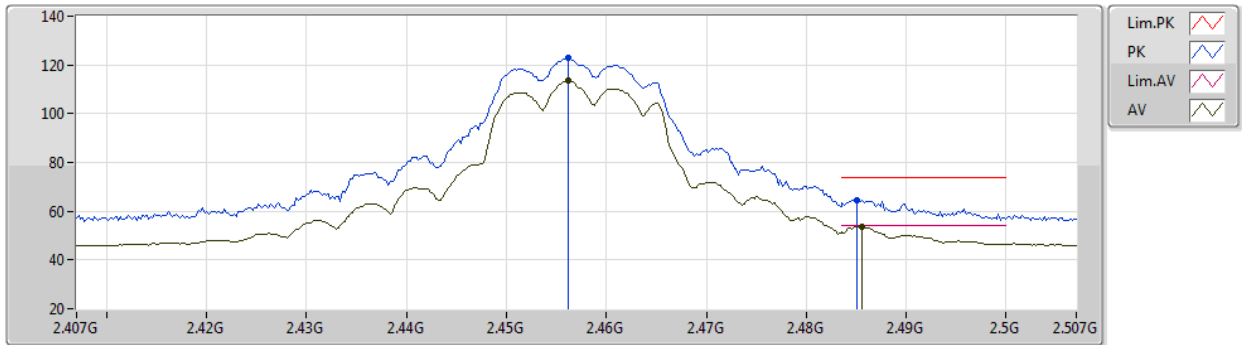
EUT Y_2TX
Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87392G	52.13	74.00	-21.87	47.68	3	Horizontal	326	2.22	-	33.50	6.31	35.36
AV	4.87394G	43.13	54.00	-10.87	38.68	3	Horizontal	326	2.22	-	33.50	6.31	35.36

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2457MHz_TX



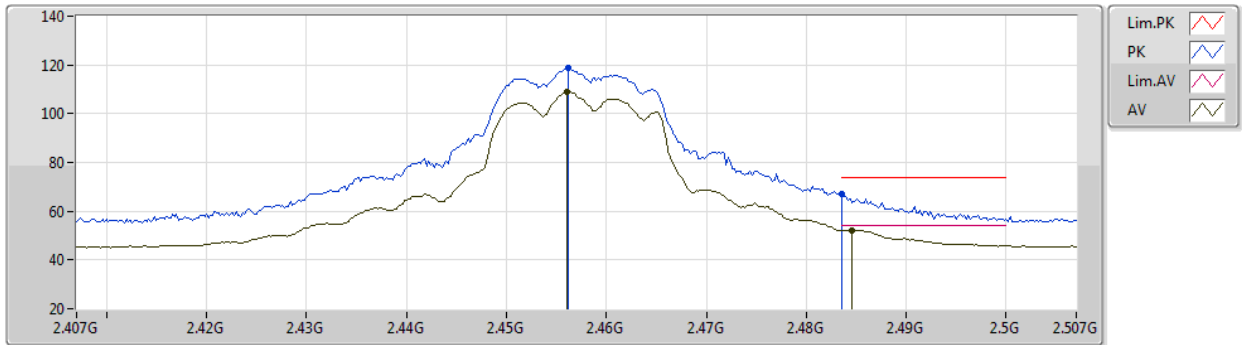
EUT Y_2TX
Setting 24
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4562G	123.09	Inf	-Inf	91.09	3	Vertical	259	2.08	-	28.44	3.56	-
AV	2.4562G	113.52	Inf	-Inf	81.52	3	Vertical	259	2.08	-	28.44	3.56	-
PK	2.485G	64.74	74.00	-9.26	32.54	3	Vertical	259	2.08	-	28.61	3.59	-
AV	2.4856G	53.62	54.00	-0.38	21.42	3	Vertical	259	2.08	-	28.61	3.59	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2457MHz_TX



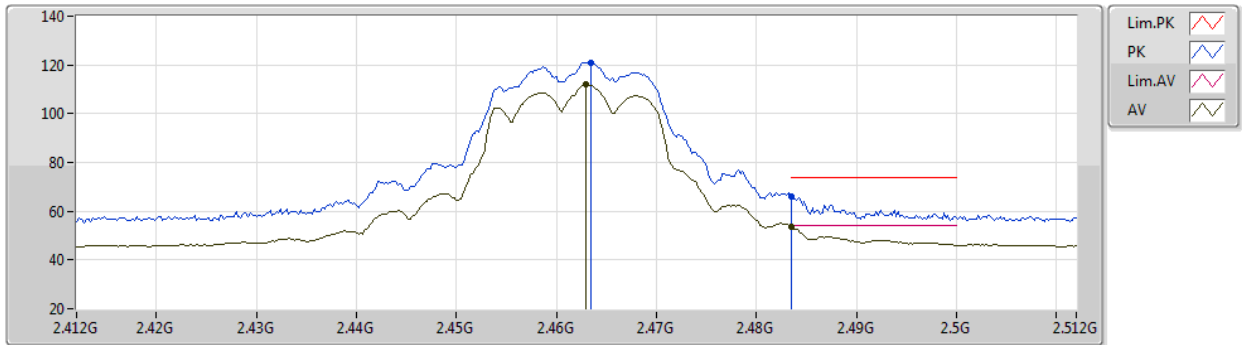
EUT Y_2TX
Setting 24
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4562G	118.75	Inf	-Inf	86.75	3	Horizontal	53	1.11	-	28.44	3.56	-
AV	2.456G	109.04	Inf	-Inf	77.04	3	Horizontal	53	1.11	-	28.44	3.56	-
PK	2.4836G	67.16	74.00	-6.84	34.98	3	Horizontal	53	1.11	-	28.60	3.58	-
AV	2.4846G	52.17	54.00	-1.83	19.98	3	Horizontal	53	1.11	-	28.61	3.58	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2462MHz_TX



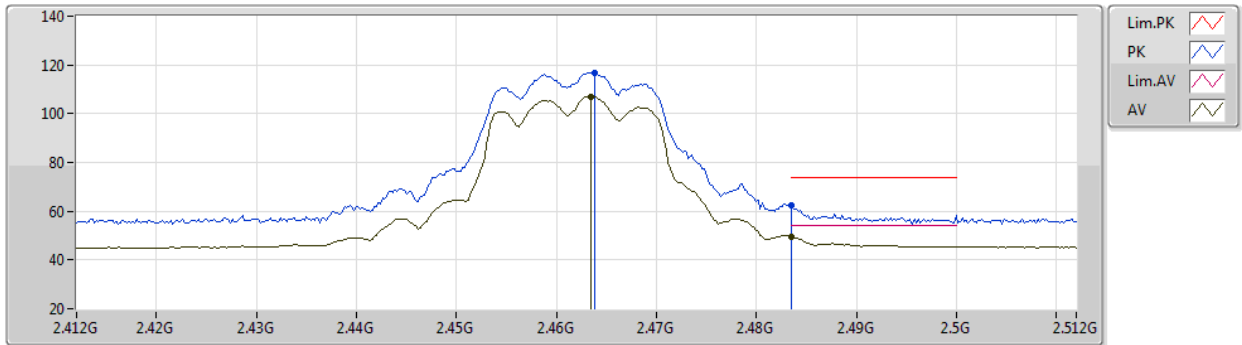
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Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4634G	120.99	Inf	-Inf	88.95	3	Vertical	243	1.42	-	28.48	3.56	-
AV	2.463G	111.87	Inf	-Inf	79.83	3	Vertical	243	1.42	-	28.48	3.56	-
PK	2.4835G	66.07	74.00	-7.93	33.89	3	Vertical	243	1.42	-	28.60	3.58	-
AV	2.4835G	53.82	54.00	-0.18	21.64	3	Vertical	243	1.42	-	28.60	3.58	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2462MHz_TX



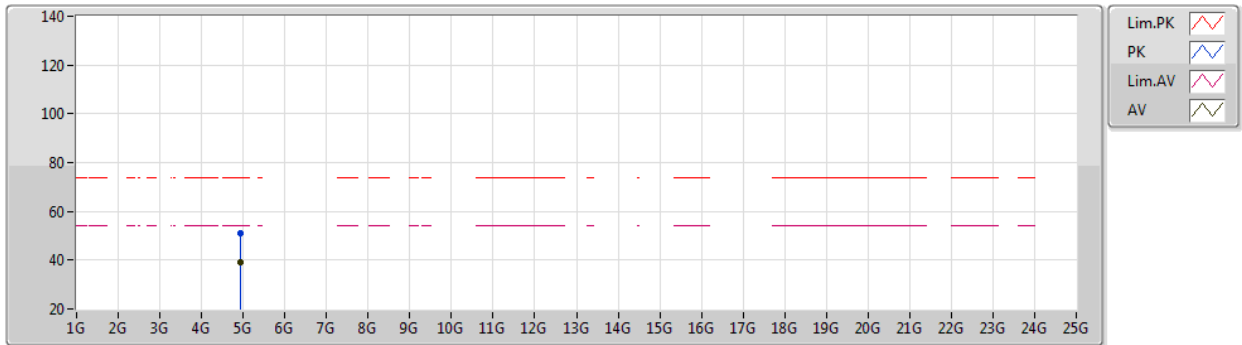
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Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4638G	116.90	Inf	-Inf	84.86	3	Horizontal	54	1.13	-	28.48	3.56	-
AV	2.4634G	107.15	Inf	-Inf	75.11	3	Horizontal	54	1.13	-	28.48	3.56	-
PK	2.4835G	62.24	74.00	-11.76	30.06	3	Horizontal	54	1.13	-	28.60	3.58	-
AV	2.4835G	49.69	54.00	-4.31	17.51	3	Horizontal	54	1.13	-	28.60	3.58	-

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2462MHz_TX



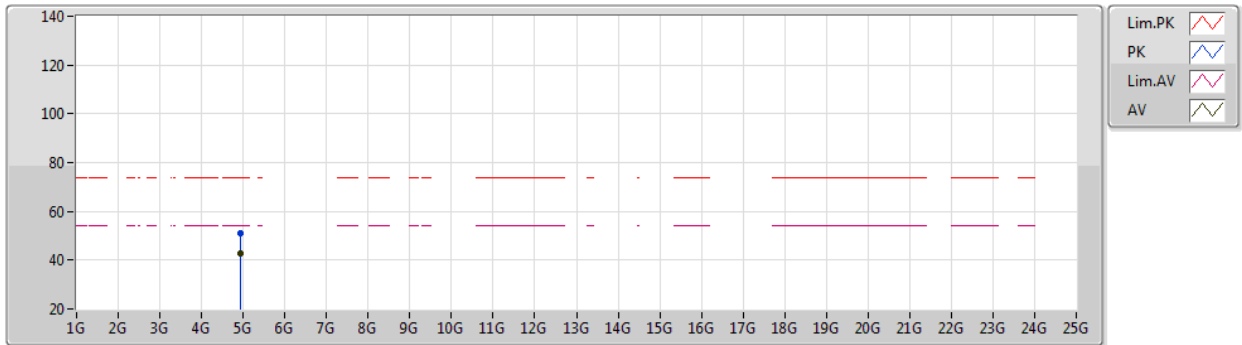
EUT Y_2TX
Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92406G	50.92	74.00	-23.08	46.29	3	Vertical	236	1.77	-	33.65	6.39	35.41
AV	4.924G	39.16	54.00	-14.84	34.53	3	Vertical	236	1.77	-	33.65	6.39	35.41

802.11g_Nss1,(6Mbps)_2TX

15/04/2021

2462MHz_TX



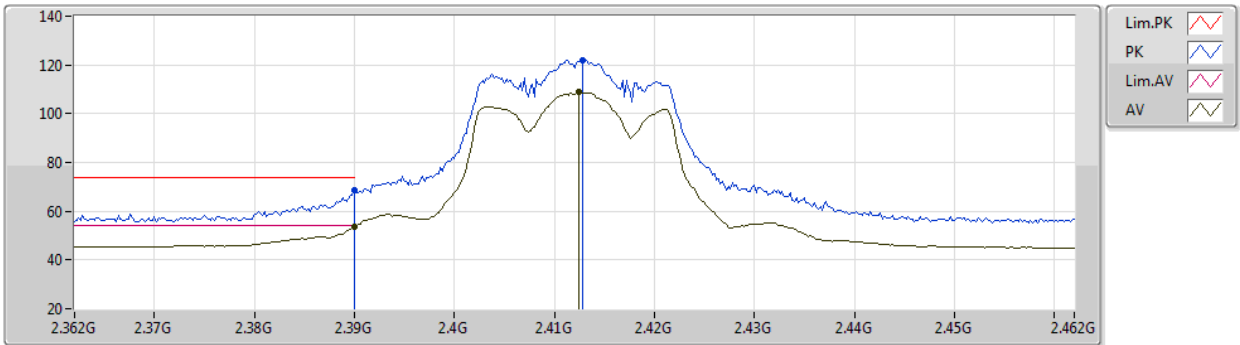
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Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.924G	51.28	74.00	-22.72	46.65	3	Horizontal	313	2.31	-	33.65	6.39	35.41
AV	4.92396G	42.80	54.00	-11.20	38.17	3	Horizontal	313	2.31	-	33.65	6.39	35.41

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2412MHz_TX



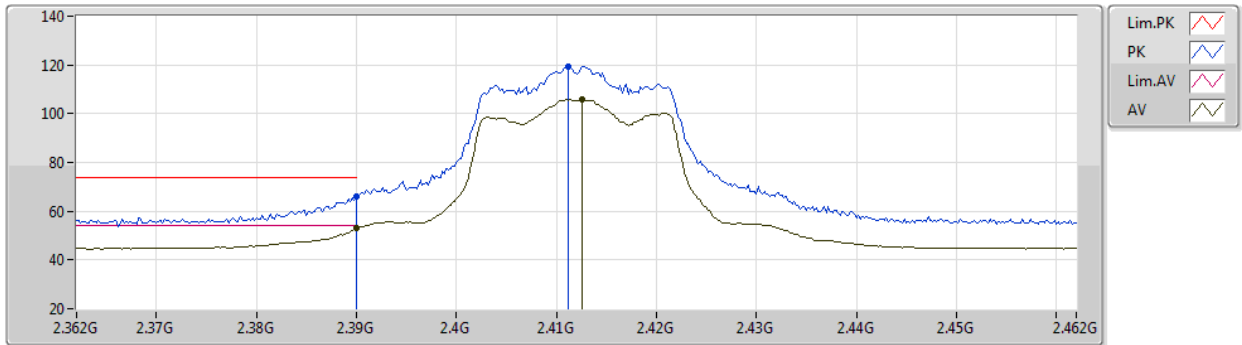
EUT Y_2TX
Setting 22
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	68.68	74.00	-5.32	36.87	3	Vertical	68	1.22	-	28.32	3.49	-
AV	2.39G	53.75	54.00	-0.25	21.94	3	Vertical	68	1.22	-	28.32	3.49	-
PK	2.4128G	121.80	Inf	-Inf	89.96	3	Vertical	68	1.22	-	28.33	3.51	-
AV	2.4124G	108.94	Inf	-Inf	77.11	3	Vertical	68	1.22	-	28.32	3.51	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2412MHz_TX



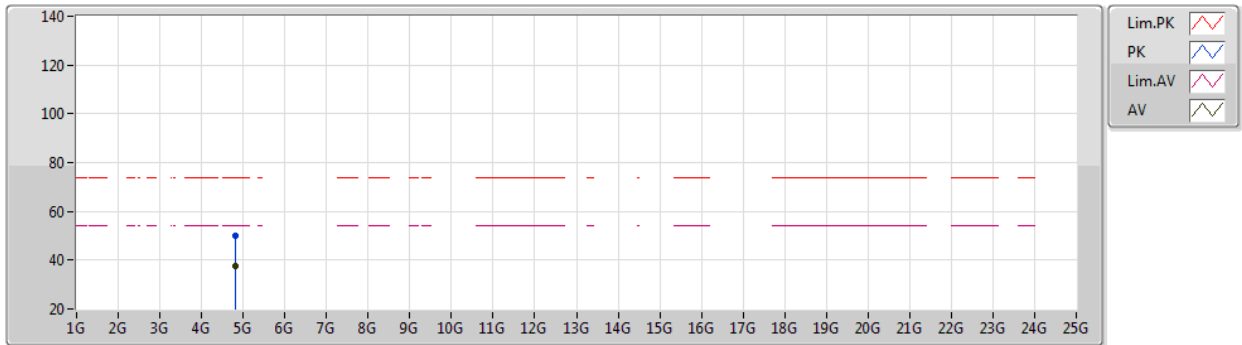
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Setting 22
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	66.25	74.00	-7.75	34.44	3	Horizontal	33	2.58	-	28.32	3.49	-
AV	2.39G	52.93	54.00	-1.07	21.12	3	Horizontal	33	2.58	-	28.32	3.49	-
PK	2.4112G	119.26	Inf	-Inf	87.43	3	Horizontal	33	2.58	-	28.32	3.51	-
AV	2.4126G	105.90	Inf	-Inf	74.06	3	Horizontal	33	2.58	-	28.33	3.51	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2412MHz_TX



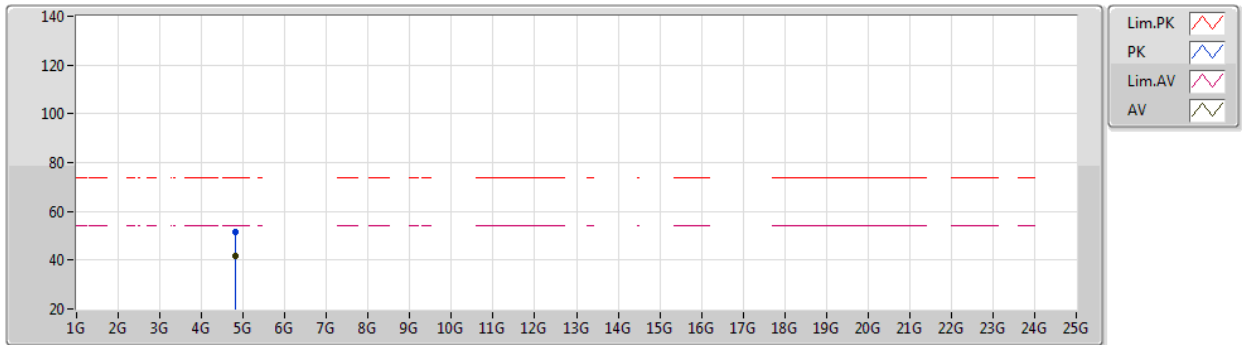
EUT Y_2TX
Setting 22
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82406G	49.96	74.00	-24.04	45.62	3	Vertical	245	1.80	-	33.40	6.24	35.30
AV	4.824G	37.54	54.00	-16.46	33.20	3	Vertical	245	1.80	-	33.40	6.24	35.30

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2412MHz_TX



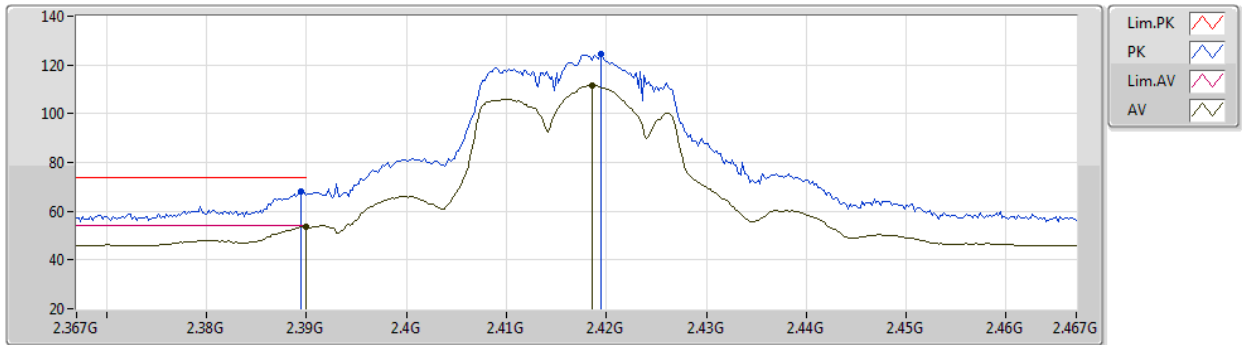
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Setting 22
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82408G	51.31	74.00	-22.69	46.97	3	Horizontal	327	2.22	-	33.40	6.24	35.30
AV	4.82394G	41.74	54.00	-12.26	37.40	3	Horizontal	327	2.22	-	33.40	6.24	35.30

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2417MHz_TX



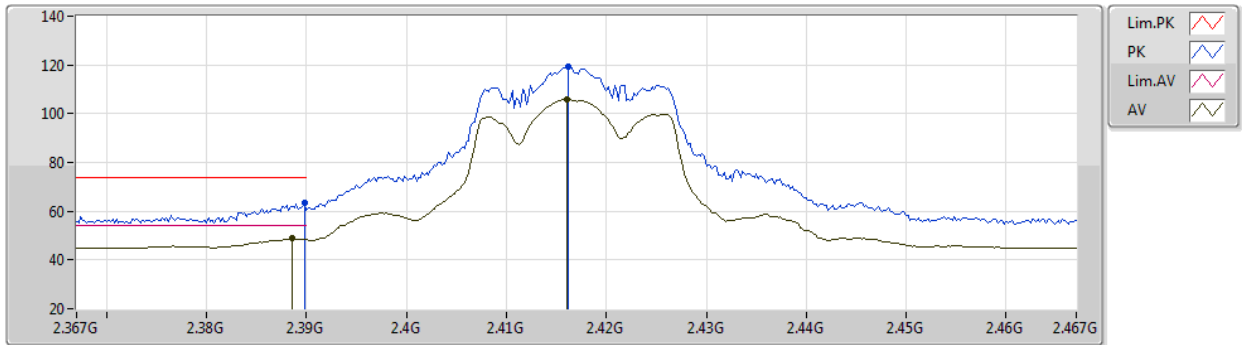
EUT Y_2TX
Setting 23.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	67.91	74.00	-6.09	36.10	3	Vertical	248	2.66	-	28.32	3.49	-
AV	2.39G	53.61	54.00	-0.39	21.80	3	Vertical	248	2.66	-	28.32	3.49	-
PK	2.4194G	124.47	Inf	-Inf	92.61	3	Vertical	248	2.66	-	28.34	3.52	-
AV	2.4186G	111.51	Inf	-Inf	79.65	3	Vertical	248	2.66	-	28.34	3.52	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2417MHz_TX



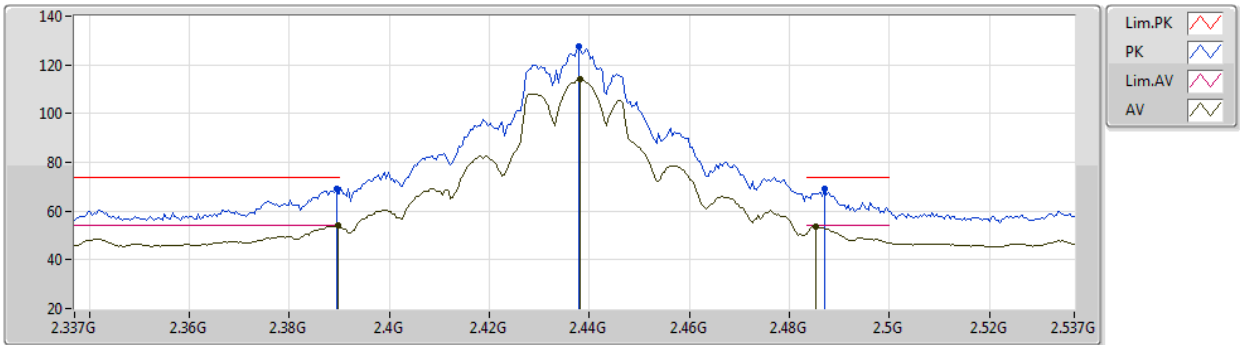
EUT Y_2TX
Setting 23.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	63.56	74.00	-10.44	31.75	3	Horizontal	342	1.02	-	28.32	3.49	-
AV	2.3886G	48.92	54.00	-5.08	17.11	3	Horizontal	342	1.02	-	28.32	3.49	-
PK	2.4162G	119.10	Inf	-Inf	87.25	3	Horizontal	342	1.02	-	28.33	3.52	-
AV	2.416G	105.97	Inf	-Inf	74.12	3	Horizontal	342	1.02	-	28.33	3.52	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2437MHz_TX



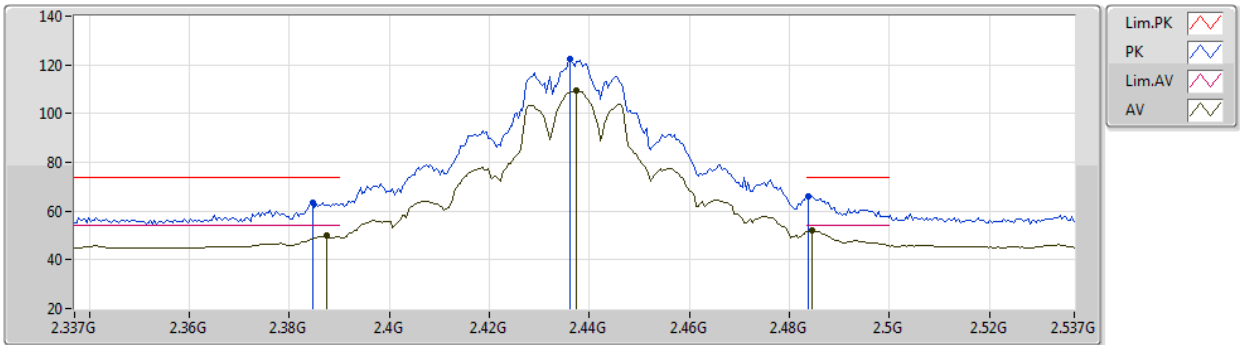
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Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	69.06	74.00	-4.94	37.25	3	Vertical	235	1.99	-	28.32	3.49	-
AV	2.3898G	53.88	54.00	-0.12	22.07	3	Vertical	235	1.99	-	28.32	3.49	-
PK	2.4378G	127.38	Inf	-Inf	95.46	3	Vertical	235	1.99	-	28.38	3.54	-
AV	2.4382G	114.14	Inf	-Inf	82.22	3	Vertical	235	1.99	-	28.38	3.54	-
PK	2.487G	68.89	74.00	-5.11	36.68	3	Vertical	235	1.99	-	28.62	3.59	-
AV	2.4854G	53.72	54.00	-0.28	21.52	3	Vertical	235	1.99	-	28.61	3.59	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2437MHz_TX



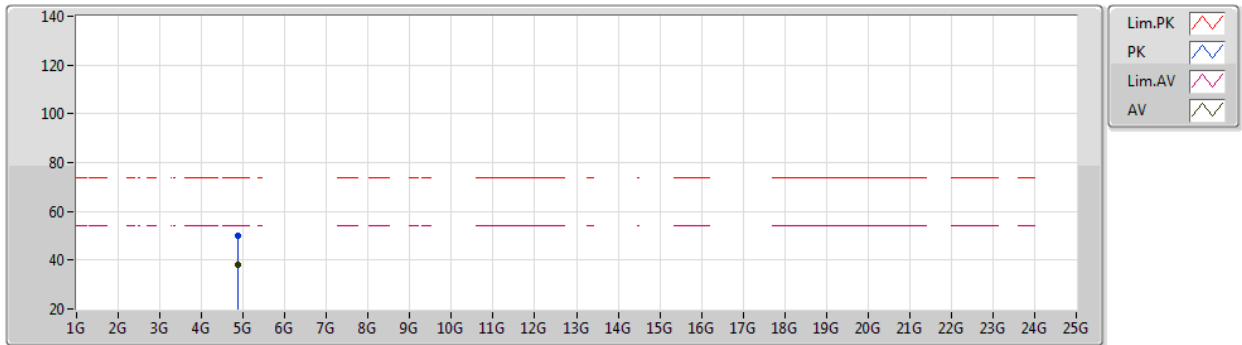
EUT Y_2TX
Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3846G	63.56	74.00	-10.44	31.75	3	Horizontal	332	1.00	-	28.33	3.48	-
AV	2.3874G	50.05	54.00	-3.95	18.23	3	Horizontal	332	1.00	-	28.33	3.49	-
PK	2.4362G	122.44	Inf	-Inf	90.53	3	Horizontal	332	1.00	-	28.37	3.54	-
AV	2.4374G	109.33	Inf	-Inf	77.42	3	Horizontal	332	1.00	-	28.37	3.54	-
PK	2.4838G	66.28	74.00	-7.72	34.10	3	Horizontal	332	1.00	-	28.60	3.58	-
AV	2.4846G	51.91	54.00	-2.09	19.72	3	Horizontal	332	1.00	-	28.61	3.58	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2437MHz_TX



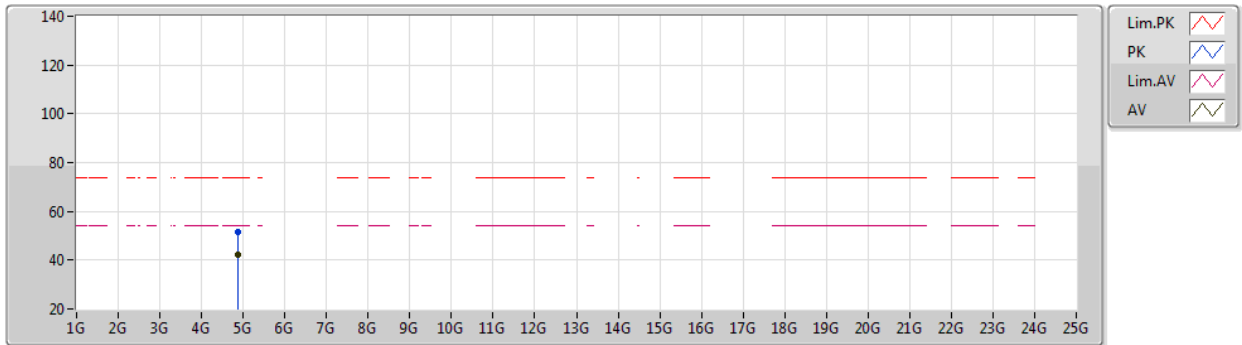
EUT Y_2TX
Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8738G	49.99	74.00	-24.01	45.54	3	Vertical	237	1.70	-	33.50	6.31	35.36
AV	4.87396G	37.93	54.00	-16.07	33.48	3	Vertical	237	1.70	-	33.50	6.31	35.36

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2437MHz_TX



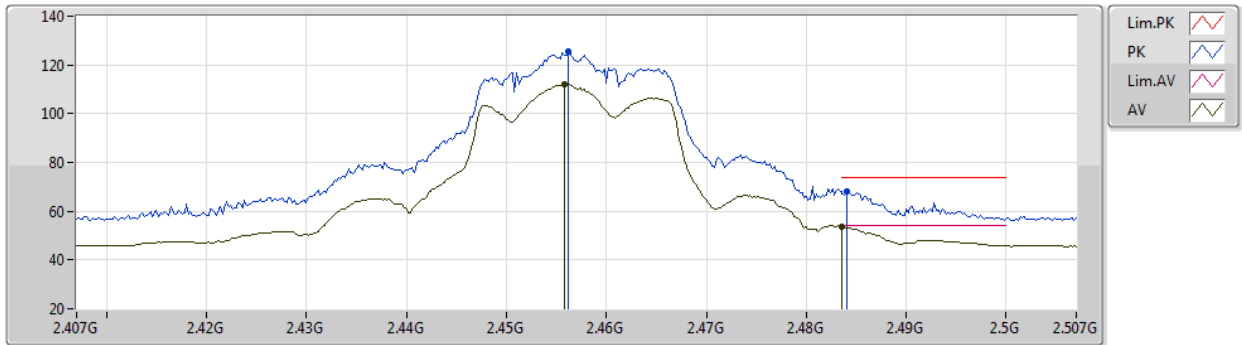
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Setting 26.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87416G	51.62	74.00	-22.38	47.17	3	Horizontal	325	2.22	-	33.50	6.31	35.36
AV	4.87394G	42.45	54.00	-11.55	38.00	3	Horizontal	325	2.22	-	33.50	6.31	35.36

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2457MHz_TX



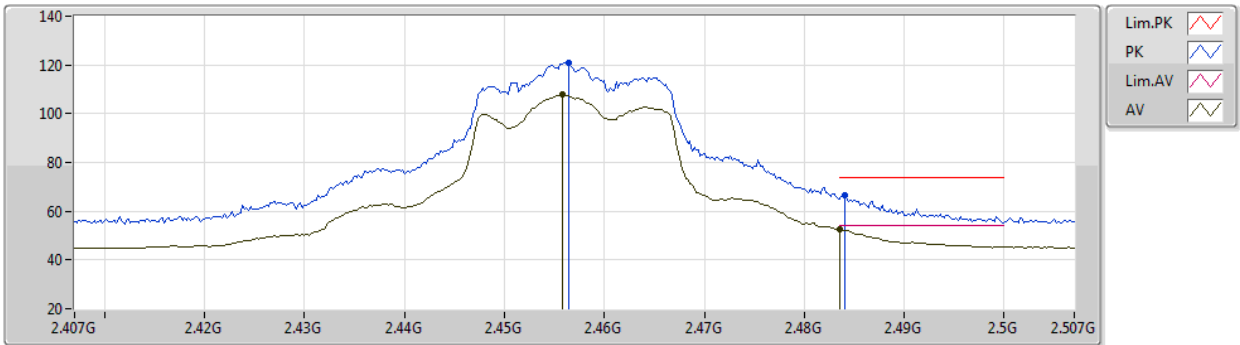
EUT Y_2TX
Setting 23.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4562G	125.68	Inf	-Inf	93.68	3	Vertical	265	2.67	-	28.44	3.56	-
AV	2.4558G	111.98	Inf	-Inf	79.99	3	Vertical	265	2.67	-	28.43	3.56	-
PK	2.484G	68.33	74.00	-5.67	36.15	3	Vertical	265	2.67	-	28.60	3.58	-
AV	2.4835G	53.85	54.00	-0.15	21.67	3	Vertical	265	2.67	-	28.60	3.58	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2457MHz_TX



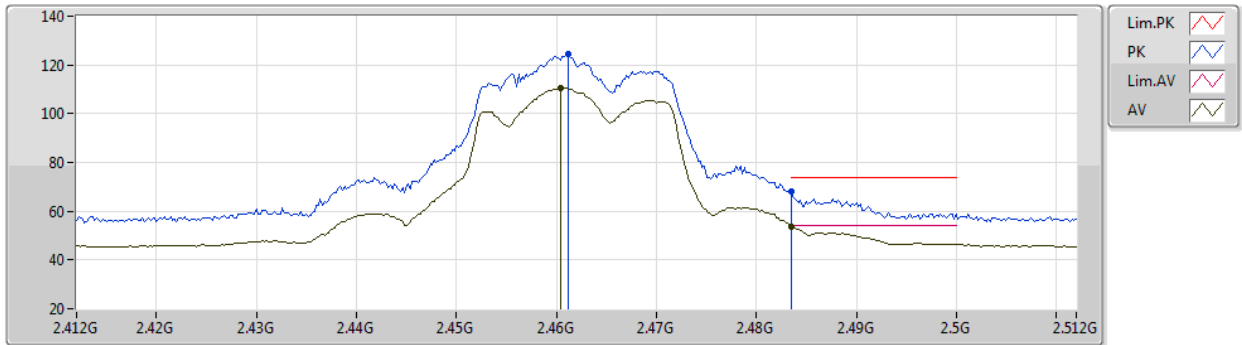
EUT Y_2TX
Setting 23.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4564G	120.98	Inf	-Inf	88.98	3	Horizontal	50	1.11	-	28.44	3.56	-
AV	2.4558G	107.95	Inf	-Inf	75.96	3	Horizontal	50	1.11	-	28.43	3.56	-
PK	2.484G	66.54	74.00	-7.46	34.36	3	Horizontal	50	1.11	-	28.60	3.58	-
AV	2.4835G	52.76	54.00	-1.24	20.58	3	Horizontal	50	1.11	-	28.60	3.58	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2462MHz_TX



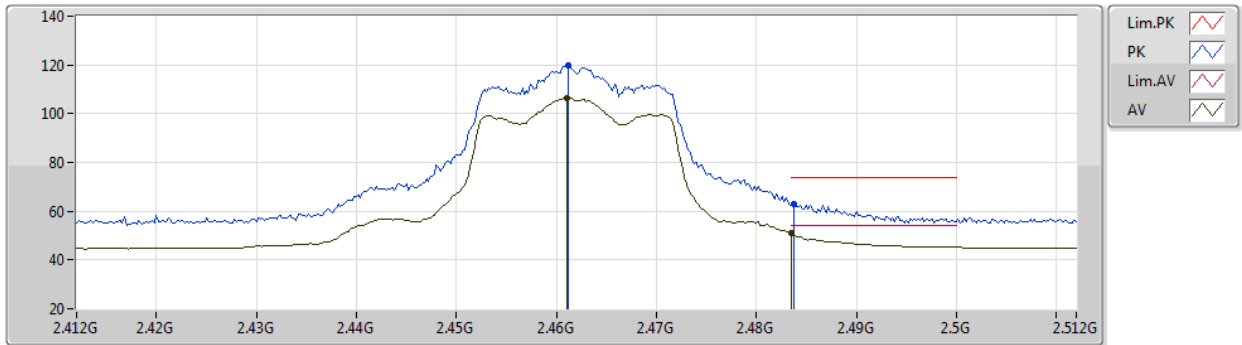
EUT Y_2TX
Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4612G	124.23	Inf	-Inf	92.20	3	Vertical	259	2.11	-	28.47	3.56	-
AV	2.4604G	110.61	Inf	-Inf	78.59	3	Vertical	259	2.11	-	28.46	3.56	-
PK	2.4835G	68.15	74.00	-5.85	35.97	3	Vertical	259	2.11	-	28.60	3.58	-
AV	2.4835G	53.83	54.00	-0.17	21.65	3	Vertical	259	2.11	-	28.60	3.58	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2462MHz_TX



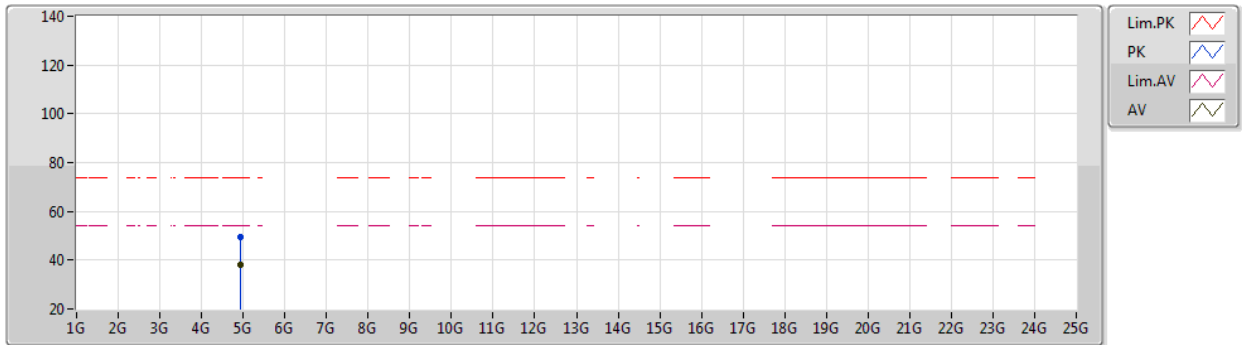
EUT Y_2TX
Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4612G	120.08	Inf	-Inf	88.05	3	Horizontal	33	2.79	-	28.47	3.56	-
AV	2.461G	106.32	Inf	-Inf	74.29	3	Horizontal	33	2.79	-	28.47	3.56	-
PK	2.4838G	62.77	74.00	-11.23	30.59	3	Horizontal	33	2.79	-	28.60	3.58	-
AV	2.4835G	50.87	54.00	-3.13	18.69	3	Horizontal	33	2.79	-	28.60	3.58	-

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2462MHz_TX



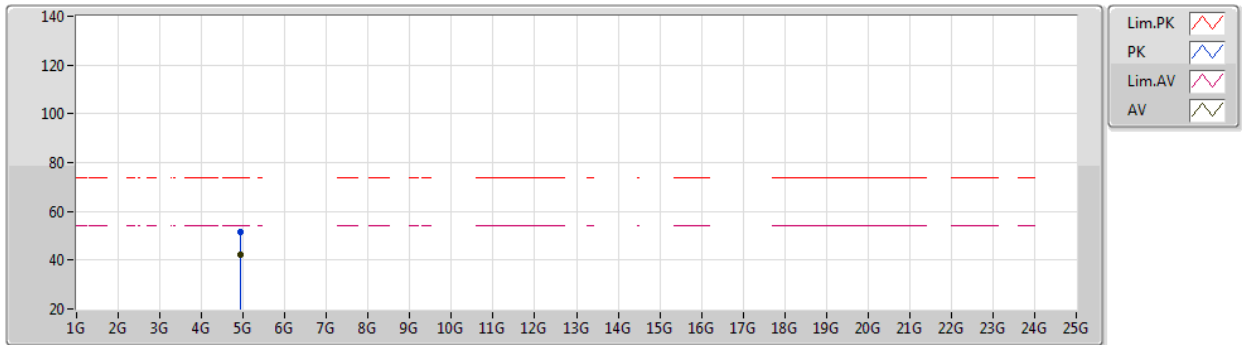
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Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92376G	49.31	74.00	-24.69	44.68	3	Vertical	244	1.76	-	33.65	6.39	35.41
AV	4.92396G	38.01	54.00	-15.99	33.38	3	Vertical	244	1.76	-	33.65	6.39	35.41

802.11ax HEW20_Nss1,(MCS0)_2TX

15/04/2021

2462MHz_TX



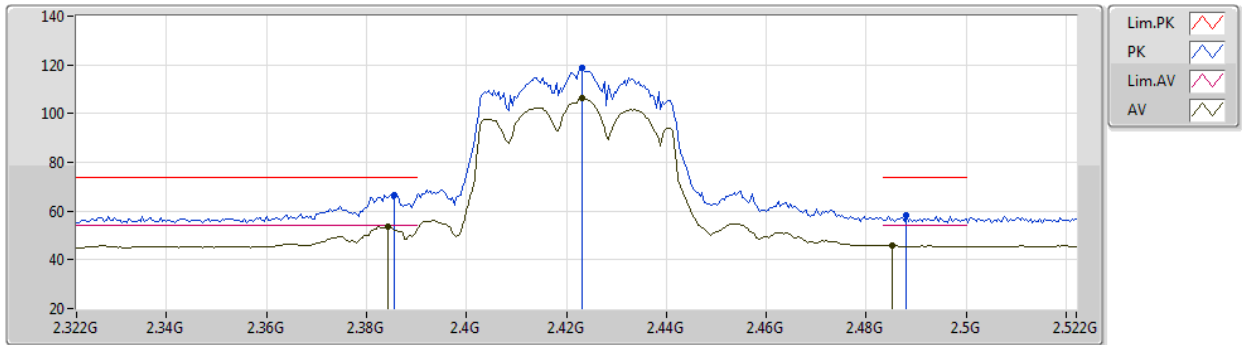
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Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92406G	51.31	74.00	-22.69	46.68	3	Horizontal	313	2.34	-	33.65	6.39	35.41
AV	4.92392G	42.37	54.00	-11.63	37.74	3	Horizontal	313	2.34	-	33.65	6.39	35.41

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2422MHz_TX



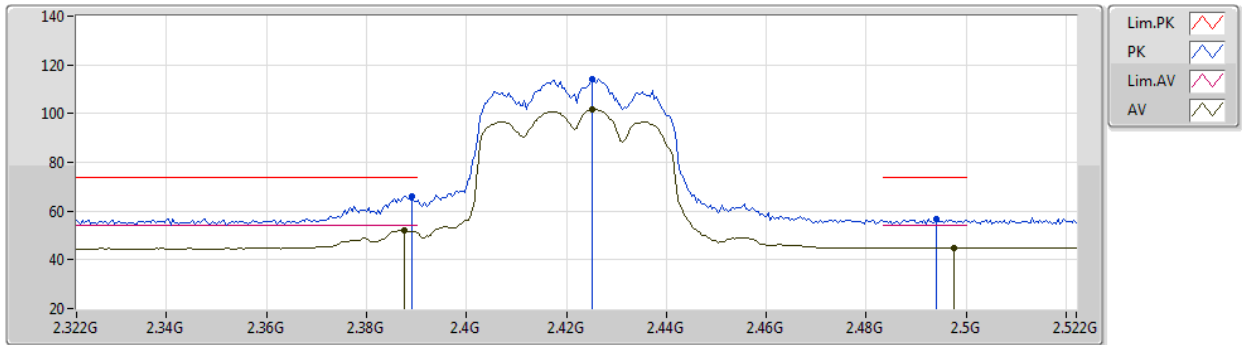
EUT Y_2TX
Setting 21
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3856G	66.59	74.00	-7.41	34.77	3	Vertical	241	2.05	-	28.33	3.49	-
AV	2.3844G	53.63	54.00	-0.37	21.82	3	Vertical	241	2.05	-	28.33	3.48	-
PK	2.4232G	118.63	Inf	-Inf	86.76	3	Vertical	241	2.05	-	28.35	3.52	-
AV	2.4232G	106.46	Inf	-Inf	74.59	3	Vertical	241	2.05	-	28.35	3.52	-
PK	2.488G	58.19	74.00	-15.81	25.97	3	Vertical	241	2.05	-	28.63	3.59	-
AV	2.4852G	45.82	54.00	-8.18	13.62	3	Vertical	241	2.05	-	28.61	3.59	-

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2422MHz_TX



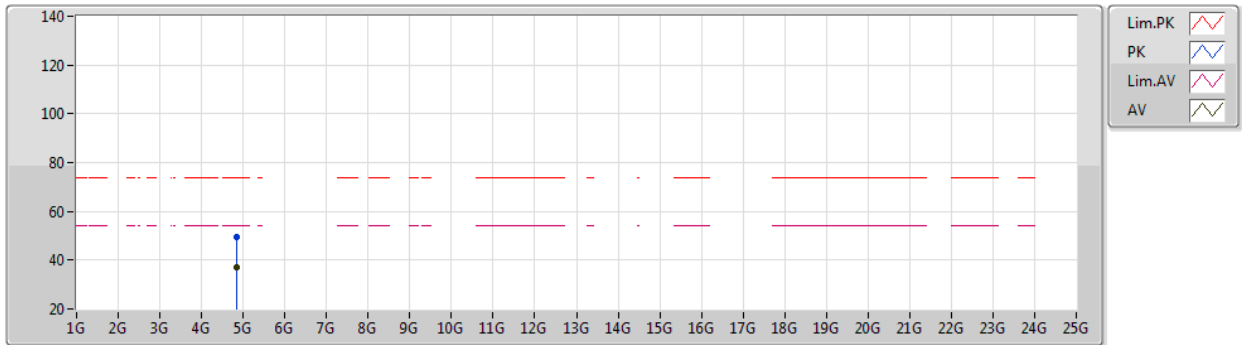
EUT Y_2TX
Setting 21
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	66.14	74.00	-7.86	34.33	3	Horizontal	38	2.59	-	28.32	3.49	-
AV	2.3876G	52.28	54.00	-1.72	20.47	3	Horizontal	38	2.59	-	28.32	3.49	-
PK	2.4252G	114.24	Inf	-Inf	82.36	3	Horizontal	38	2.59	-	28.35	3.53	-
AV	2.4252G	101.74	Inf	-Inf	69.86	3	Horizontal	38	2.59	-	28.35	3.53	-
PK	2.494G	56.55	74.00	-17.45	24.30	3	Horizontal	38	2.59	-	28.66	3.59	-
AV	2.4976G	44.89	54.00	-9.11	12.60	3	Horizontal	38	2.59	-	28.69	3.60	-

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2422MHz_TX



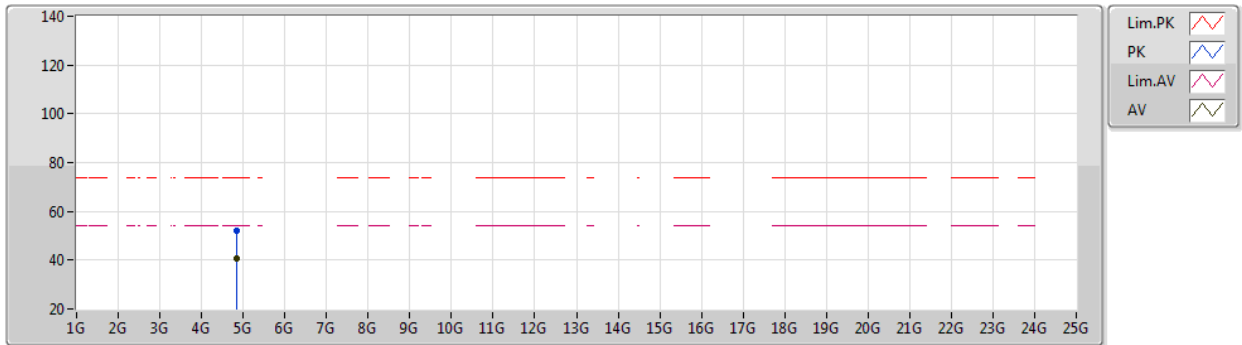
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Setting 21
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84586G	49.44	74.00	-24.56	45.10	3	Vertical	223	2.25	-	33.40	6.27	35.33
AV	4.84402G	37.19	54.00	-16.81	32.84	3	Vertical	223	2.25	-	33.40	6.27	35.32

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2422MHz_TX



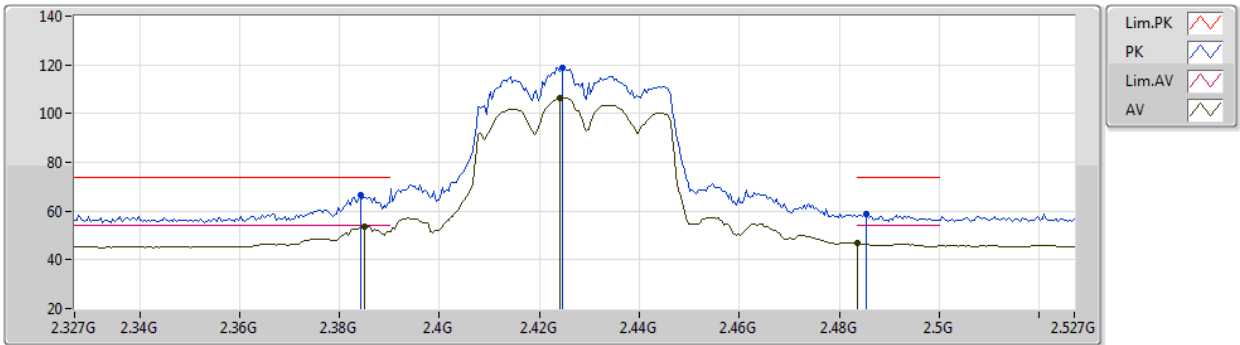
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Setting 21
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84402G	52.01	74.00	-21.99	47.66	3	Horizontal	316	2.34	-	33.40	6.27	35.32
AV	4.84394G	40.71	54.00	-13.29	36.36	3	Horizontal	316	2.34	-	33.40	6.27	35.32

802.11ax HEW40_Nss1,(MCS0)_2TX

15/04/2021

2427MHz_TX



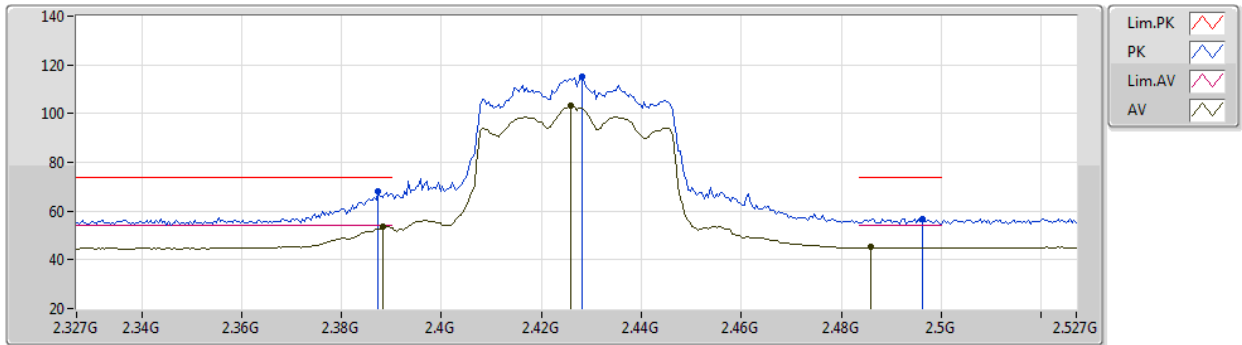
EUT Y_2TX
Setting 21.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3842G	66.71	74.00	-7.29	34.90	3	Vertical	247	1.22	-	28.33	3.48	-
AV	2.385G	53.69	54.00	-0.31	21.87	3	Vertical	247	1.22	-	28.33	3.49	-
PK	2.4246G	119.01	Inf	-Inf	87.14	3	Vertical	247	1.22	-	28.35	3.52	-
AV	2.4242G	106.41	Inf	-Inf	74.54	3	Vertical	247	1.22	-	28.35	3.52	-
PK	2.4854G	58.65	74.00	-15.35	26.45	3	Vertical	247	1.22	-	28.61	3.59	-
AV	2.4835G	46.85	54.00	-7.15	14.67	3	Vertical	247	1.22	-	28.60	3.58	-

802.11ax HEW40_Nss1,(MCS0)_2TX

15/04/2021

2427MHz_TX



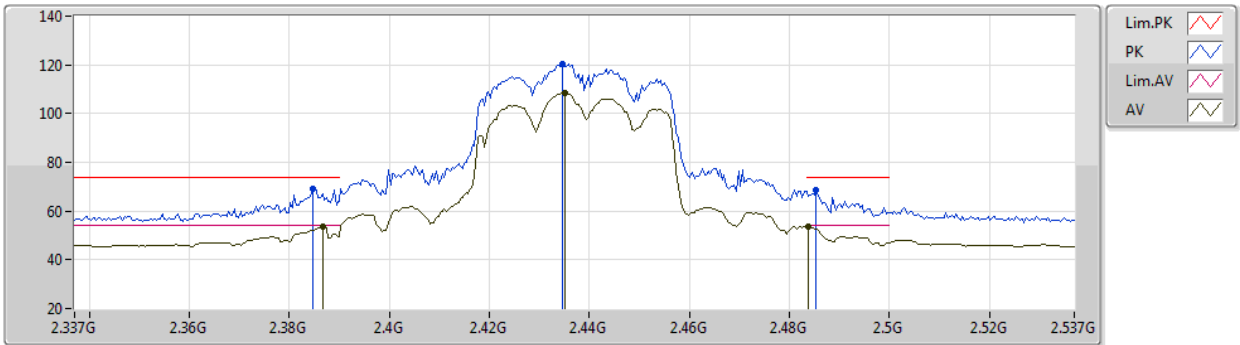
EUT Y_2TX
Setting 21.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3874G	68.05	74.00	-5.95	36.23	3	Horizontal	38	2.60	-	28.33	3.49	-
AV	2.3882G	53.42	54.00	-0.58	21.61	3	Horizontal	38	2.60	-	28.32	3.49	-
PK	2.4282G	115.37	Inf	-Inf	83.48	3	Horizontal	38	2.60	-	28.36	3.53	-
AV	2.4258G	103.15	Inf	-Inf	71.27	3	Horizontal	38	2.60	-	28.35	3.53	-
PK	2.4962G	56.96	74.00	-17.04	24.68	3	Horizontal	38	2.60	-	28.68	3.60	-
AV	2.4858G	45.16	54.00	-8.84	12.96	3	Horizontal	38	2.60	-	28.61	3.59	-

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2437MHz_TX



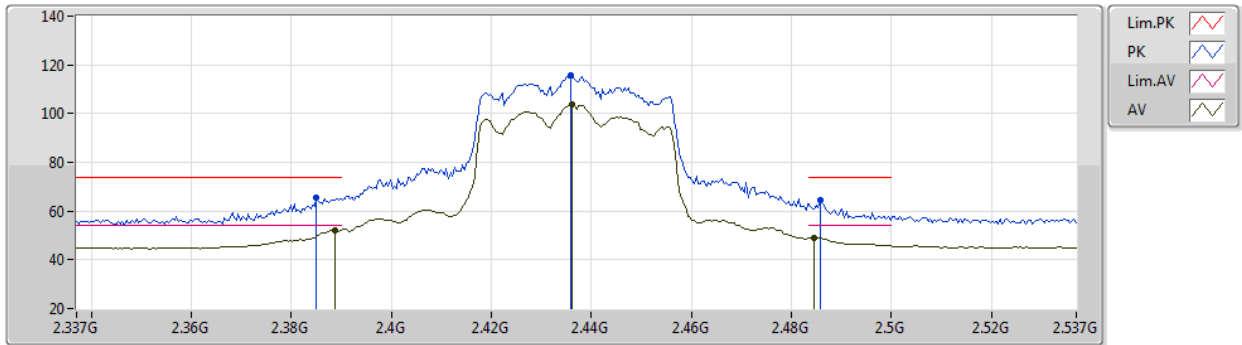
EUT Y_2TX
Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3846G	69.12	74.00	-4.88	37.31	3	Vertical	248	1.62	-	28.33	3.48	-
AV	2.3866G	53.42	54.00	-0.58	21.60	3	Vertical	248	1.62	-	28.33	3.49	-
PK	2.4346G	120.23	Inf	-Inf	88.33	3	Vertical	248	1.62	-	28.37	3.53	-
AV	2.435G	108.56	Inf	-Inf	76.65	3	Vertical	248	1.62	-	28.37	3.54	-
PK	2.4854G	68.54	74.00	-5.46	36.34	3	Vertical	248	1.62	-	28.61	3.59	-
AV	2.4838G	53.64	54.00	-0.36	21.46	3	Vertical	248	1.62	-	28.60	3.58	-

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2437MHz_TX



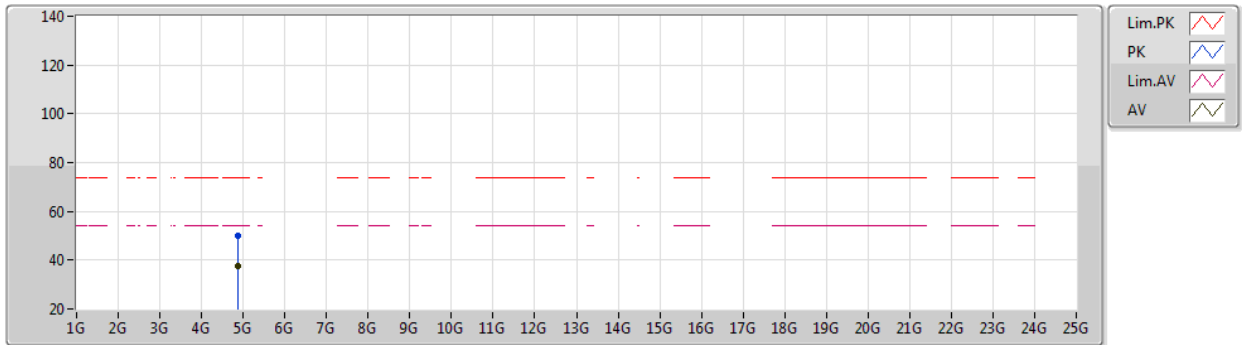
EUT Y_2TX
Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.385G	65.32	74.00	-8.68	33.50	3	Horizontal	26	2.58	-	28.33	3.49	-
AV	2.3886G	52.30	54.00	-1.70	20.49	3	Horizontal	26	2.58	-	28.32	3.49	-
PK	2.4358G	115.63	Inf	-Inf	83.72	3	Horizontal	26	2.58	-	28.37	3.54	-
AV	2.4362G	103.91	Inf	-Inf	72.00	3	Horizontal	26	2.58	-	28.37	3.54	-
PK	2.4858G	64.53	74.00	-9.47	32.33	3	Horizontal	26	2.58	-	28.61	3.59	-
AV	2.4846G	48.85	54.00	-5.15	16.66	3	Horizontal	26	2.58	-	28.61	3.58	-

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2437MHz_TX



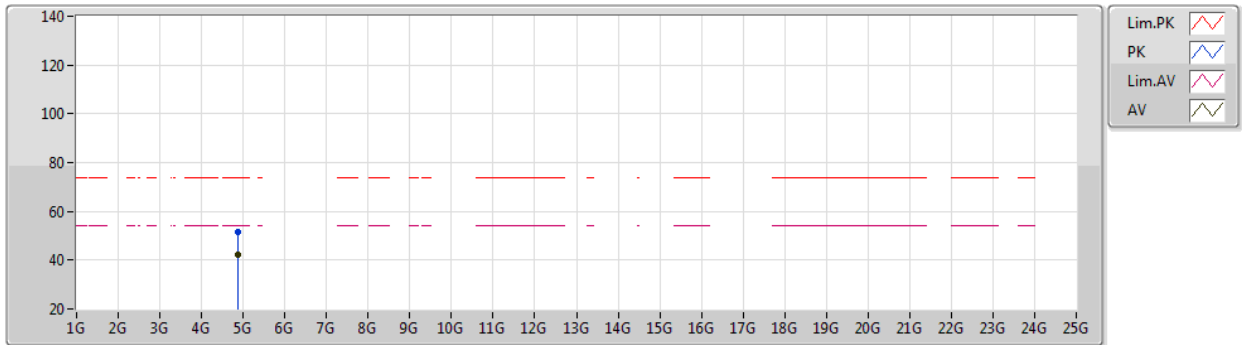
EUT Y_2TX
Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8743G	50.15	74.00	-23.85	45.70	3	Vertical	238	1.93	-	33.50	6.31	35.36
AV	4.8739G	37.72	54.00	-16.28	33.27	3	Vertical	238	1.93	-	33.50	6.31	35.36

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2437MHz_TX



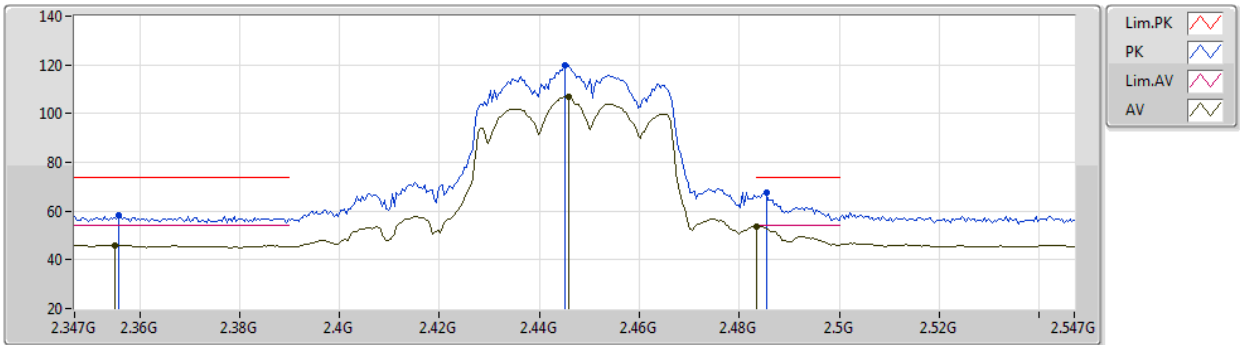
EUT Y_2TX
Setting 22.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87418G	51.36	74.00	-22.64	46.91	3	Horizontal	332	2.23	-	33.50	6.31	35.36	
AV	4.87394G	42.20	54.00	-11.80	37.75	3	Horizontal	332	2.23	-	33.50	6.31	35.36	

802.11ax HEW40_Nss1,(MCS0)_2TX

15/04/2021

2447MHz_TX



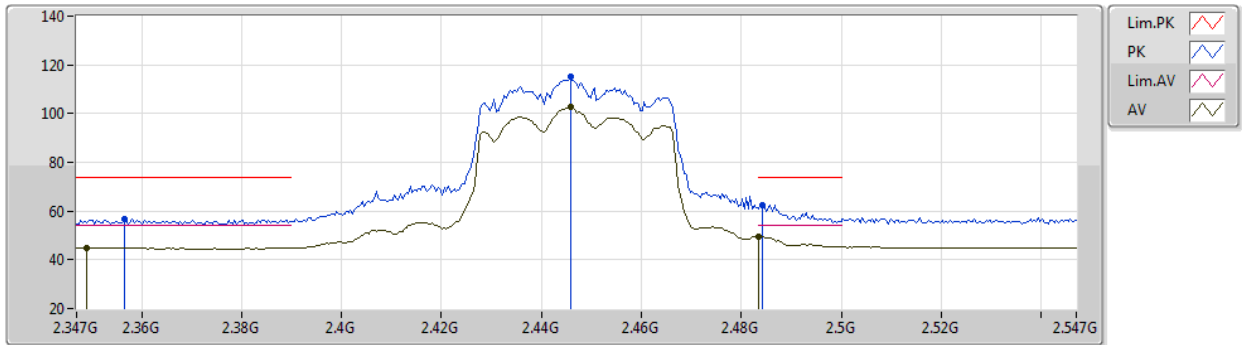
EUT Y_2TX
Setting 21.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3558G	58.12	74.00	-15.88	26.27	3	Vertical	255	1.90	-	28.39	3.46	-
AV	2.355G	46.05	54.00	-7.95	14.20	3	Vertical	255	1.90	-	28.39	3.46	-
PK	2.445G	120.06	Inf	-Inf	88.13	3	Vertical	255	1.90	-	28.39	3.54	-
AV	2.4458G	106.85	Inf	-Inf	74.91	3	Vertical	255	1.90	-	28.39	3.55	-
PK	2.4854G	67.33	74.00	-6.67	35.13	3	Vertical	255	1.90	-	28.61	3.59	-
AV	2.4835G	53.86	54.00	-0.14	21.68	3	Vertical	255	1.90	-	28.60	3.58	-

802.11ax HEW40_Nss1,(MCS0)_2TX

15/04/2021

2447MHz_TX



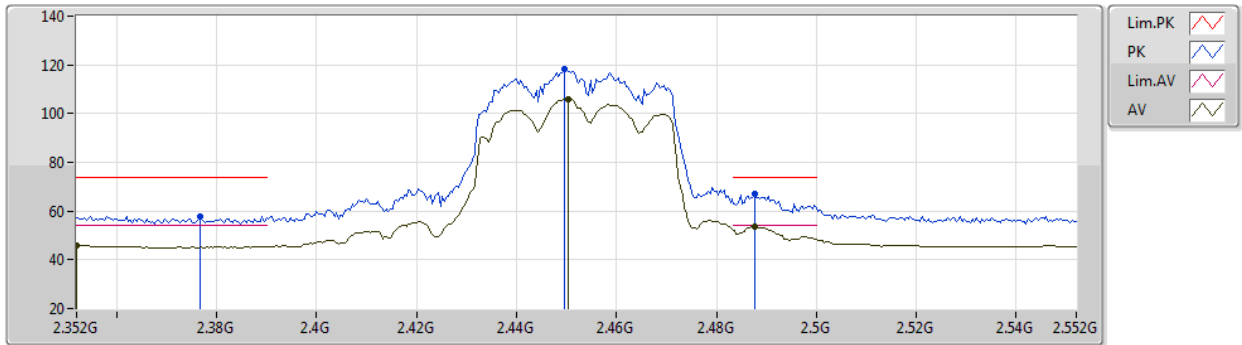
EUT Y_2TX
Setting 21.5
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3566G	56.65	74.00	-17.35	24.80	3	Horizontal	51	1.18	-	28.39	3.46	-
AV	2.349G	44.95	54.00	-9.05	13.11	3	Horizontal	51	1.18	-	28.39	3.45	-
PK	2.4458G	114.92	Inf	-Inf	82.98	3	Horizontal	51	1.18	-	28.39	3.55	-
AV	2.4458G	102.71	Inf	-Inf	70.77	3	Horizontal	51	1.18	-	28.39	3.55	-
PK	2.4842G	62.54	74.00	-11.46	30.35	3	Horizontal	51	1.18	-	28.61	3.58	-
AV	2.4835G	49.64	54.00	-4.36	17.46	3	Horizontal	51	1.18	-	28.60	3.58	-

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2452MHz_TX



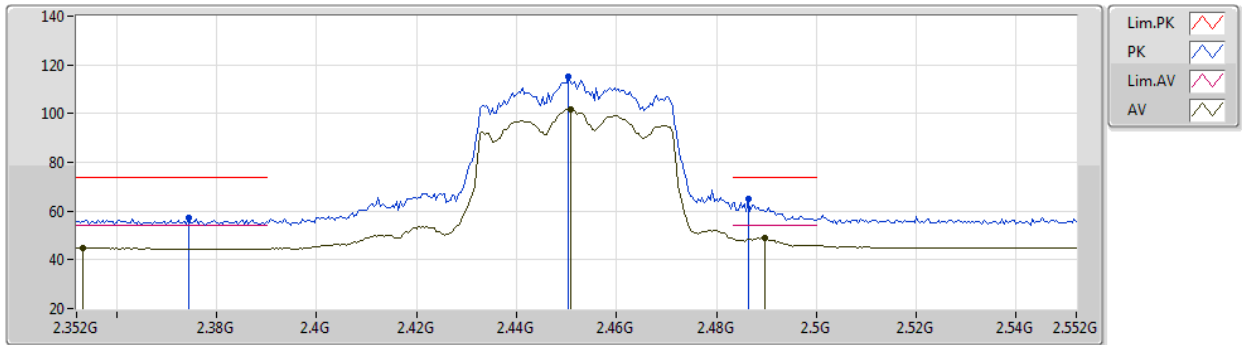
EUT Y_2TX
Setting 21
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3768G	57.90	74.00	-16.10	26.07	3	Vertical	248	1.03	-	28.35	3.48	-
AV	2.352G	46.10	54.00	-7.90	14.25	3	Vertical	248	1.03	-	28.40	3.45	-
PK	2.4496G	118.48	Inf	-Inf	86.53	3	Vertical	248	1.03	-	28.40	3.55	-
AV	2.4504G	106.07	Inf	-Inf	74.12	3	Vertical	248	1.03	-	28.40	3.55	-
PK	2.4876G	66.88	74.00	-7.12	34.66	3	Vertical	248	1.03	-	28.63	3.59	-
AV	2.4876G	53.62	54.00	-0.38	21.40	3	Vertical	248	1.03	-	28.63	3.59	-

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2452MHz_TX



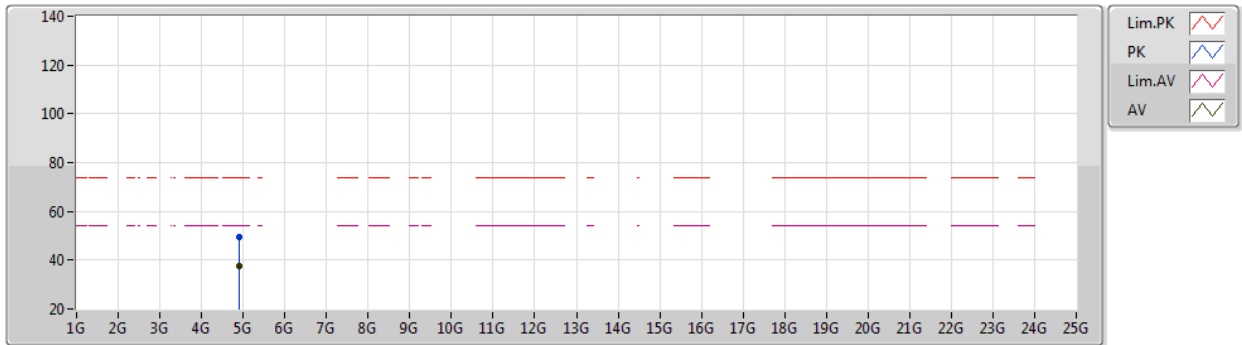
EUT Y_2TX
Setting 21
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3744G	57.21	74.00	-16.79	25.39	3	Horizontal	50	1.10	-	28.35	3.47	-
AV	2.3532G	44.80	54.00	-9.20	12.96	3	Horizontal	50	1.10	-	28.39	3.45	-
PK	2.4504G	115.33	Inf	-Inf	83.38	3	Horizontal	50	1.10	-	28.40	3.55	-
AV	2.4508G	101.98	Inf	-Inf	70.03	3	Horizontal	50	1.10	-	28.40	3.55	-
PK	2.4864G	64.89	74.00	-9.11	32.68	3	Horizontal	50	1.10	-	28.62	3.59	-
AV	2.4896G	48.88	54.00	-5.12	16.65	3	Horizontal	50	1.10	-	28.64	3.59	-

802.11ax HEW40_Nss1,(MCS0)_2TX

16/04/2021

2452MHz_TX



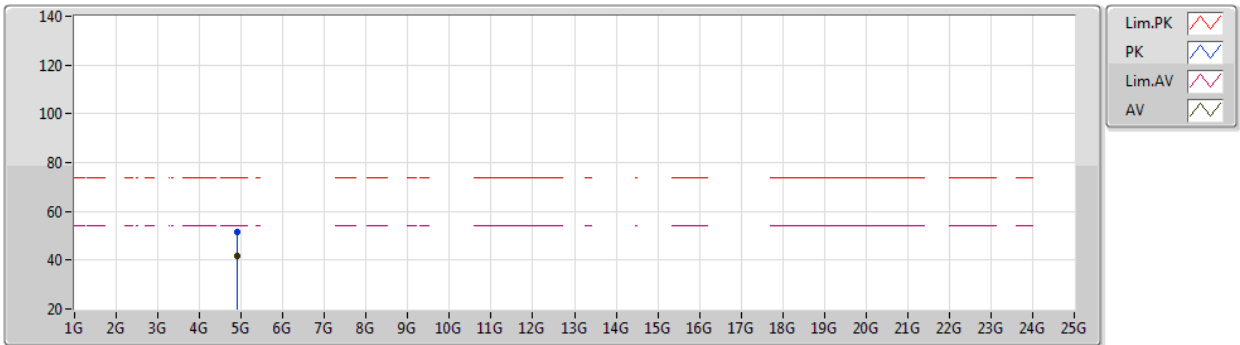
EUT Y_2TX
Setting 21
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9044G	49.56	74.00	-24.44	44.98	3	Vertical	234	1.80	-	33.61	6.36	35.39
AV	4.904G	37.52	54.00	-16.48	32.94	3	Vertical	234	1.80	-	33.61	6.36	35.39

802.11ax HEW40_Nss1,(MCS0)_2TX

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2452MHz_TX



EUT Y_2TX
Setting 21
03-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90392G	51.33	74.00	-22.67	46.75	3	Horizontal	323	2.20	-	33.61	6.36	35.39
AV	4.90394G	41.98	54.00	-12.02	37.40	3	Horizontal	323	2.20	-	33.61	6.36	35.39

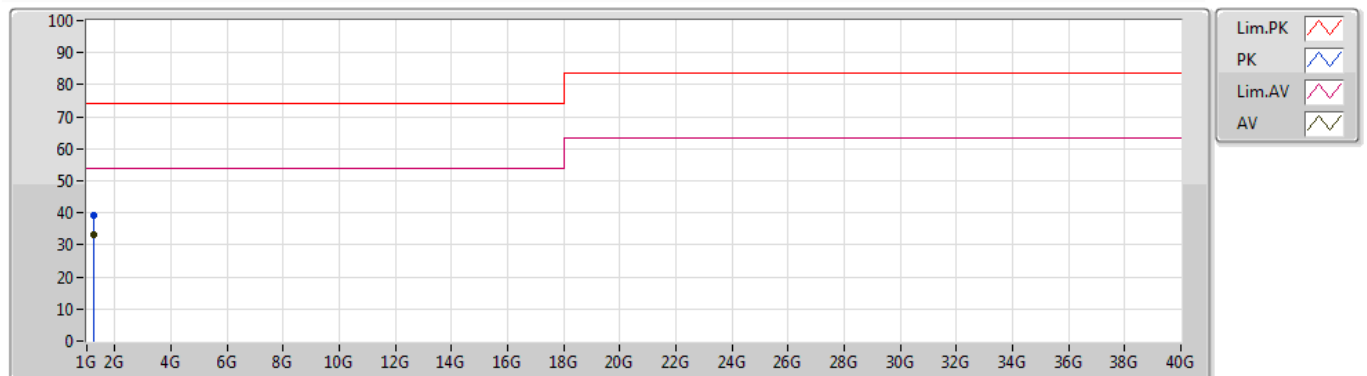


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.24995G	33.19	54.00	-20.81	Vertical

Mode 1

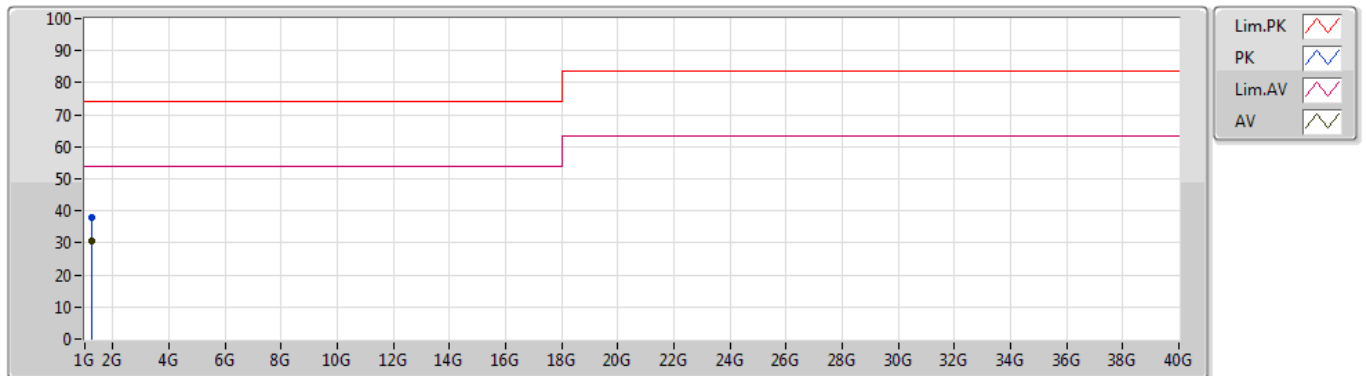
21/04/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.2501G	39.32	74.00	-34.68	-8.42	3	Vertical	158	1.14	-	47.74	25.30	2.85	36.57
AV	1.24995G	33.19	54.00	-20.81	-8.42	3	Vertical	158	1.14	"Worst"	41.61	25.30	2.85	36.57

Mode 1

21/04/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.25025G	38.14	74.00	-35.86	-8.42	3	Horizontal	231	1.00	-	46.56	25.30	2.85	36.57
AV	1.24984G	30.67	54.00	-23.33	-8.42	3	Horizontal	231	1.00	"Worst"	39.09	25.30	2.85	36.57