



RADIO TEST REPORT

FCC ID : Z8H89FT0078
Equipment : XV2-21X Indoor Wi-Fi 6 Access Point
Brand Name : Cambium Networks
Model Name : XV2-21X
Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA
Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK
Standard : 47 CFR FCC Part 15.407

The product was received on Nov. 10, 2022, and testing was started from Nov. 10, 2022 and completed on Nov. 11, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant 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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History of this test report

Report No.	Version	Description	Issued Date
FR261015-03	01	Initial issue of report	Dec. 12, 2022



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum EIRP Output Power	PASS	-
3.3	15.407(a)	EIRP Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: Vicky Huang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5725-5895	a, n (HT20), ac (VHT20), ax (HEW20)	5845-5885	169-177[3]
5725-5895	n (HT40), ac (VHT40), ax (HEW40)	5835-5875	167-175[2]
5725-5895	ac (VHT80), ax (HEW80)	5855	171[1]
5725-5895	ac (VHT160), ax (HEW160)	5815	163[1]

Band	Mode	BWch (MHz)	Nant
5.725-5.895GHz	802.11a	20	2TX
5.725-5.895GHz	802.11n HT20	20	2TX
5.725-5.895GHz	802.11n HT20-BF	20	2TX
5.725-5.895GHz	802.11ac VHT20	20	2TX
5.725-5.895GHz	802.11ac VHT20-BF	20	2TX
5.725-5.895GHz	802.11ax HEW20	20	2TX
5.725-5.895GHz	802.11ax HEW20-BF	20	2TX
5.725-5.895GHz	802.11n HT40	40	2TX
5.725-5.895GHz	802.11n HT40-BF	40	2TX
5.725-5.895GHz	802.11ac VHT40	40	2TX
5.725-5.895GHz	802.11ac VHT40-BF	40	2TX
5.725-5.895GHz	802.11ax HEW40	40	2TX
5.725-5.895GHz	802.11ax HEW40-BF	40	2TX
5.725-5.895GHz	802.11ac VHT80	80	2TX
5.725-5.895GHz	802.11ac VHT80-BF	80	2TX
5.725-5.895GHz	802.11ax HEW80	80	2TX
5.725-5.895GHz	802.11ax HEW80-BF	80	2TX
5.725-5.895GHz	802.11ac VHT160	160	2TX
5.725-5.895GHz	802.11ac VHT160-BF	160	2TX
5.725-5.895GHz	802.11ax HEW160	160	2TX
5.725-5.895GHz	802.11ax HEW160-BF	160	2TX



Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz					
1	1	-	Gemtek	WRTQ-369AX	PIFA	MHF	Note1
2	2	-	Gemtek	WRTQ-369AX	PIFA	MHF	
3	-	2	Gemtek	WRTQ-369AX	PIFA	MHF	
4	-	1	Gemtek	WRTQ-369AX	PIFA	MHF	

Note1:

Ant.	Antenna Gain (dBi)						Cable Loss (dB)					
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4
1	5.65	-	-	-	-	-	0.6	-	-	-	-	-
2	5	-	-	-	-	-	0.35	-	-	-	-	-
3	-	6.32	7.2	7.76	7.79	7.79	-	0.9	0.9	0.9	0.9	0.9
4	-	6.92	6.89	8.16	8.15	7.48	-	0.4	0.4	0.4	0.4	0.4

Ant.	Net Gain (dBi)					
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4
1	5.05	-	-	-	-	-
2	4.65	-	-	-	-	-
3	-	5.42	6.3	6.86	6.89	6.89
4	-	6.52	6.49	7.76	7.75	7.08

Note2: The above information was declared by manufacturer.

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



Note4: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

Where ;

5G UNII 1 G1 = 5.42 dBi; G2 = 6.52 dBi; DG = 9.00 dBi

5G UNII 3 G1 = 6.89 dBi; G2 = 7.75 dBi; DG = 10.34 dBi

5G UNII 4 G1 = 6.89 dBi; G2 = 7.08 dBi; DG = 10.00 dBi

Note5: **For 2.4GHz function:**

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.937	0.28	1.98m	1k
802.11ax HEW20	0.908	0.42	5.448m	300
802.11ax HEW20-BF	0.9	0.46	5.446m	300
802.11ax HEW40	0.926	0.33	5.448m	300
802.11ax HEW40-BF	0.915	0.39	5.446m	300
802.11ax HEW80	0.923	0.35	5.448m	300
802.11ax HEW80-BF	0.924	0.34	5.446m	300
802.11ax HEW160	0.906	0.43	5.448m	300
802.11ax HEW160-BF	0.898	0.47	5.445m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz.			
Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Device Type	<input checked="" type="checkbox"/>	Indoor Access Point	<input checked="" type="checkbox"/>	Subordinate
	<input type="checkbox"/>	Indoor Client		
Channel Puncturing Function	<input type="checkbox"/>	Supported	<input checked="" type="checkbox"/>	Unsupported
Support RU	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/>	Partial RU
Test Software Version	QSPR Version 5.0-00199			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT supports functions

Function
AP
Bridge
Mesh

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

Note 2: The above information was declared by manufacturer.



1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR261015AB.

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Adding the UNII 4 (5725~5895MHz) for this device. 2. Adding the 160MHz in UNII 4.	1. Emission Bandwidth 2. Maximum EIRP Output Power 3. EIRP Power Spectral Density 4. Unwanted Emissions <Above 1GHz>



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
- ◆ FCC KDB 789033 D02 v02r01

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

- ◆ FCC KDB 662911 D01 v02r01
- ◆ FCC KDB 412172 D01 v01r01
- ◆ FCC KDB 291074 D02 v01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Eason Chen	20.9-22.5 / 60-68	Nov. 11, 2022
Radiated	03CH03-CB	Brian Sun	24.2-25.3 / 56-59	Nov. 10, 2022~ Nov. 11, 2022

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5845MHz	19
5865MHz	19
5885MHz	18.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5845MHz	20.5
5865MHz	19.5
5885MHz	19.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5835MHz	24
5875MHz	22.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5855MHz	25
802.11ax HEW160_Nss1,(MCS0)_2TX	-
5815MHz	20.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5845MHz	20.5
5865MHz	19.5
5885MHz	19.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5835MHz	22.5
5875MHz	22.5
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5855MHz	22.5
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-
5815MHz	20.5

Note1: Evaluated HEW20/HEW40/HEW80/HEW160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.

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



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum EIRP Output Power EIRP Power Spectral Density
Test Condition	Conducted measurement at transmit chains

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA261015-03 for Co-location RF Exposure Evaluation.	

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

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

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

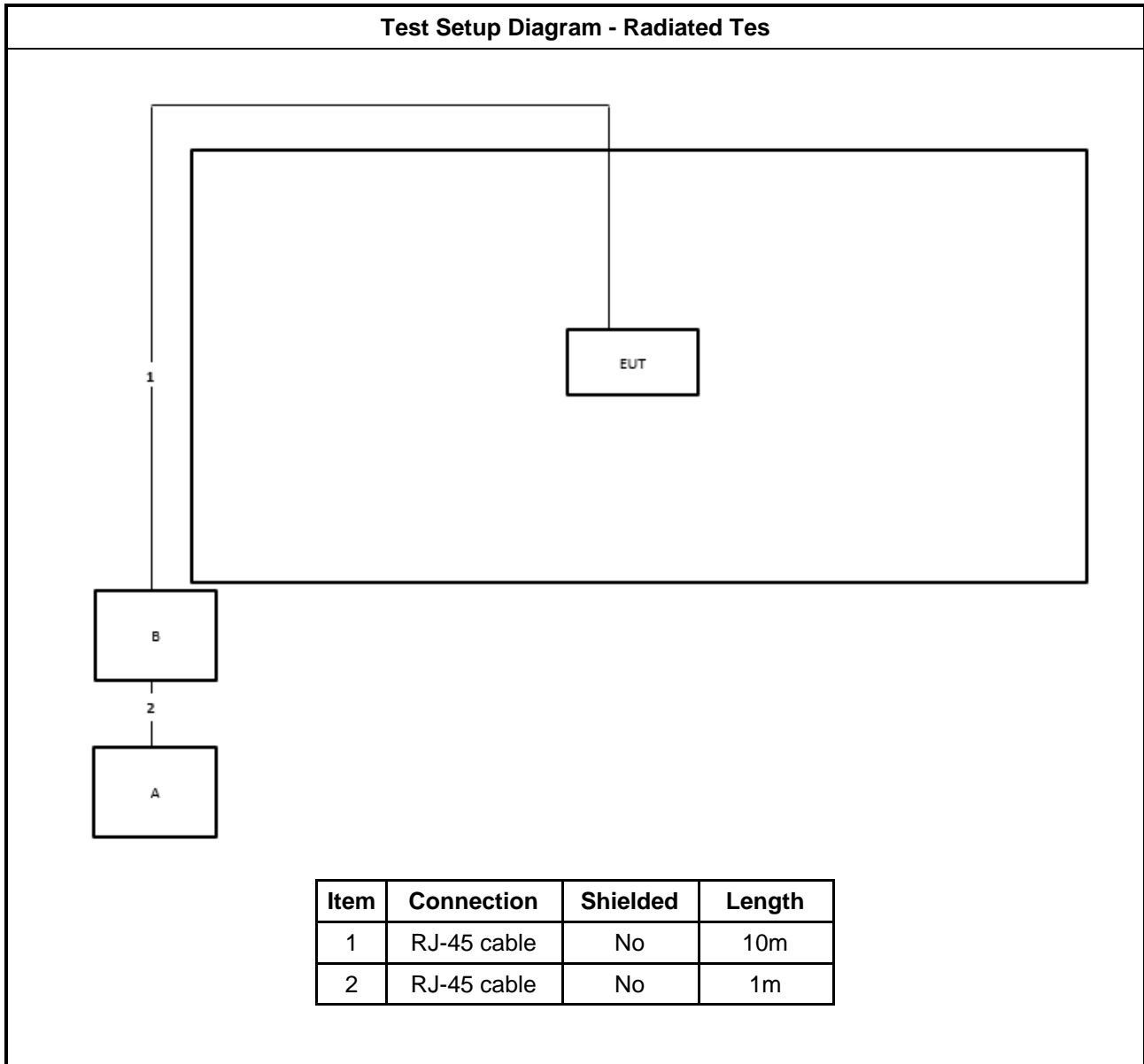
2.4 Accessories

Wall-mounted rack*1, Iron sheet for rack*1

2.5 Support Equipment

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

2.6 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.

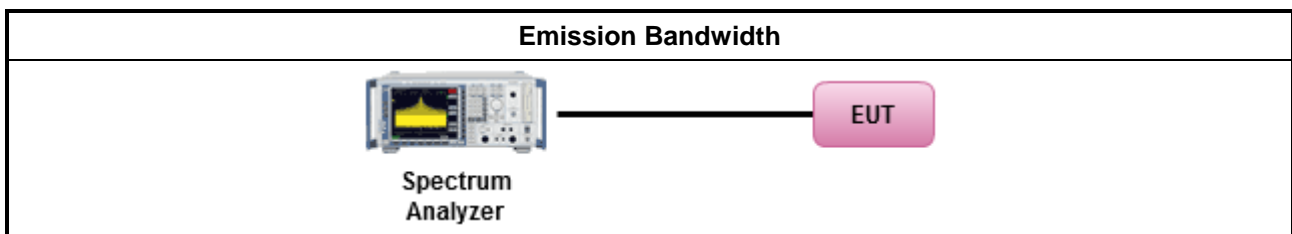
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A



3.2 Maximum EIRP Output Power

3.2.1 Limit

Maximum EIRP Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.85-5.895 GHz band:	
<input type="checkbox"/>	Indoor AP & subordinate device < 36 dBm
<input type="checkbox"/>	Client device < 30 dBm

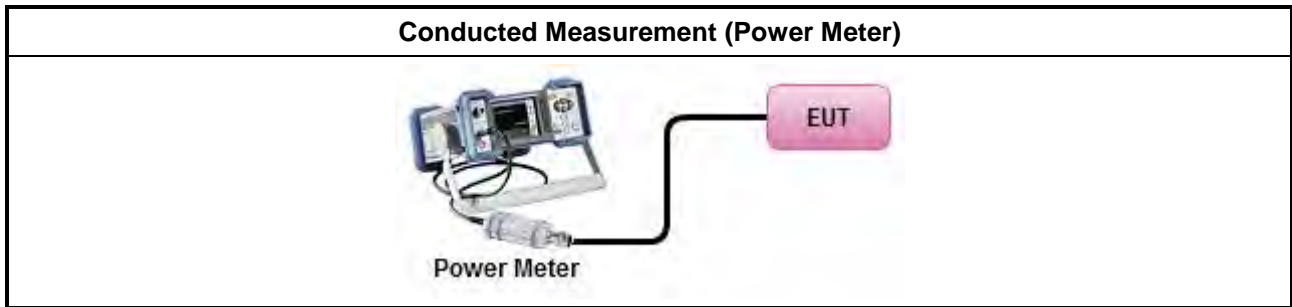
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
Average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/> For conducted measurement.	
<input type="checkbox"/>	<ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. 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]) $EIRP_{total} = P_{total} + DG$
<input type="checkbox"/> For radiated measurement.	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
<input type="checkbox"/>	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.2.4 Test Setup



3.2.5 Test Result of Maximum EIRP Output Power

Refer as Appendix B



3.3 EIRP Power Spectral Density

3.3.1 Limit

EIRP Power Spectral Density Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.85-5.895 GHz band:	
<input type="checkbox"/>	Indoor AP & subordinate device < 20dBm/MHz
<input type="checkbox"/>	Client device < 14dBm/MHz

3.3.2 Measuring Instruments

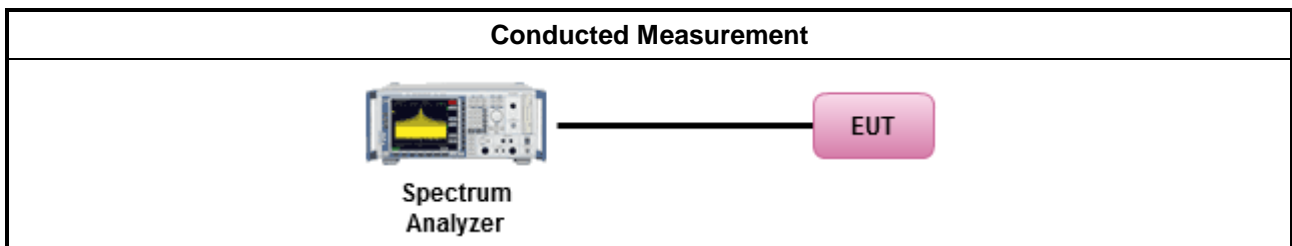
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options: 	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input checked="" type="checkbox"/> For conducted measurement.	
<ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious

Test Method	
	<p>emission limits,</p> <p><input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.</p> <p>▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$</p>
	<input type="checkbox"/> For radiated measurement.
	▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup



3.3.5 Test Result of EIRP Power Spectral Density

Refer as Appendix C



3.4 Unwanted Emissions

3.4.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
<input checked="" type="checkbox"/> 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of -7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

Note 1: 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).

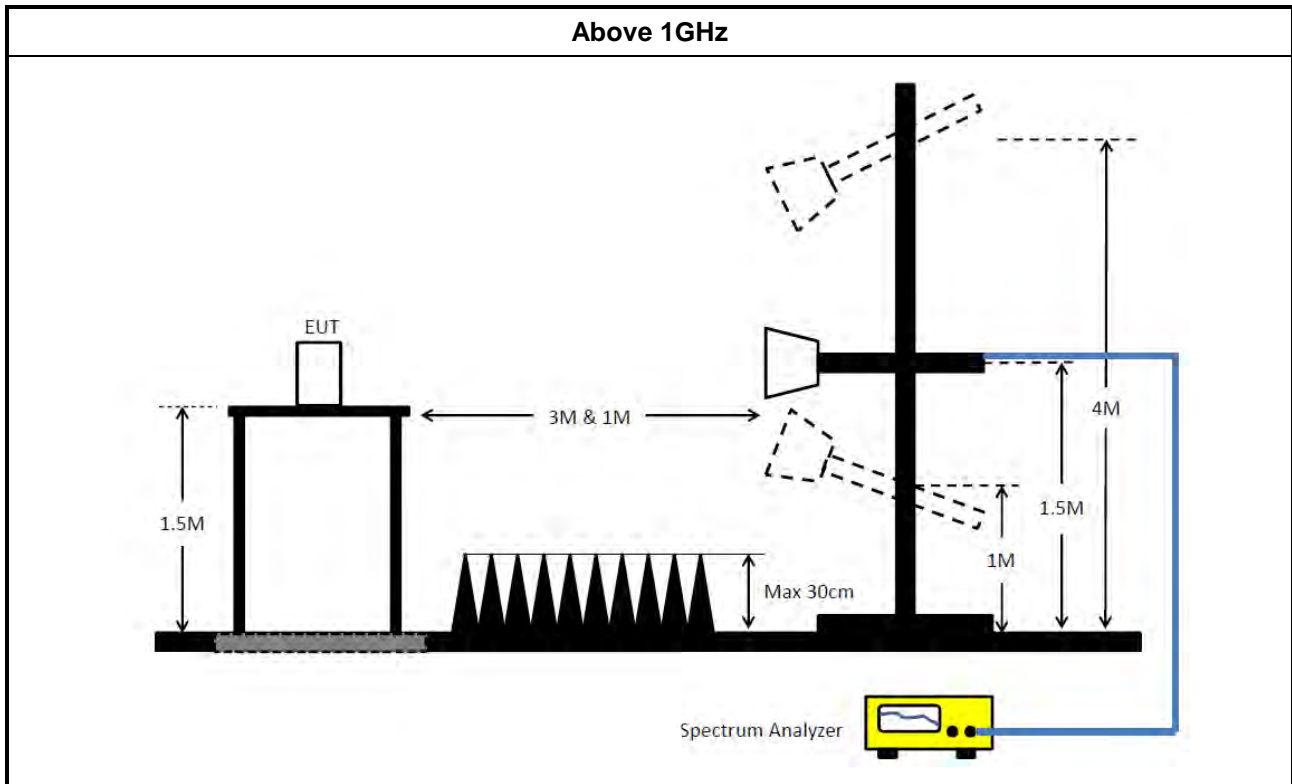
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> ▪ 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. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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).
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
	<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below:
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands. ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
	<ul style="list-style-type: none"> ▪ For radiated measurement.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m. ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level.
	<ul style="list-style-type: none"> ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.4.4 Test Setup



3.4.5 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.

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 05, 2022	May 04, 2023	Radiation (03CH03-CB)
Horn Antenna	ETS-Lindgren	3115	6821	750MHz~ 18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBE AK	BBHA9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH03-CB)
Pre-Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	Aug. 23 2022	Aug. 22 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~ 40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~ 40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)



Switch	SPTCB	SP-SWI	SWI-03	1 GHz – 26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.895GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.05M	16.363M	16M4D1D	15.27M	16.363M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.78M	18.954M	19MOD1D	17.97M	18.924M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.98M	37.79M	37M8D1D	37.5M	37.731M
802.11ax HEW80_Nss1,(MCS0)_2TX	75.84M	77.342M	77M3D1D	71.64M	77.225M
802.11ax HEW160_Nss1,(MCS0)_2TX	156.48M	155.86M	156MD1D	154.56M	155.625M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5845MHz	Pass	500k	15.87M	16.363M	15.99M	16.363M
5865MHz	Pass	500k	15.9M	16.363M	16.05M	16.363M
5885MHz	Pass	500k	15.27M	16.363M	16.02M	16.363M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5845MHz	Pass	500k	18.6M	18.954M	18.27M	18.924M
5865MHz	Pass	500k	18.78M	18.954M	18.75M	18.924M
5885MHz	Pass	500k	17.97M	18.924M	18.69M	18.924M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5835MHz	Pass	500k	37.5M	37.731M	37.74M	37.731M
5875MHz	Pass	500k	37.92M	37.79M	37.98M	37.731M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5855MHz	Pass	500k	71.64M	77.342M	75.84M	77.225M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5815MHz	Pass	500k	156.48M	155.625M	154.56M	155.86M

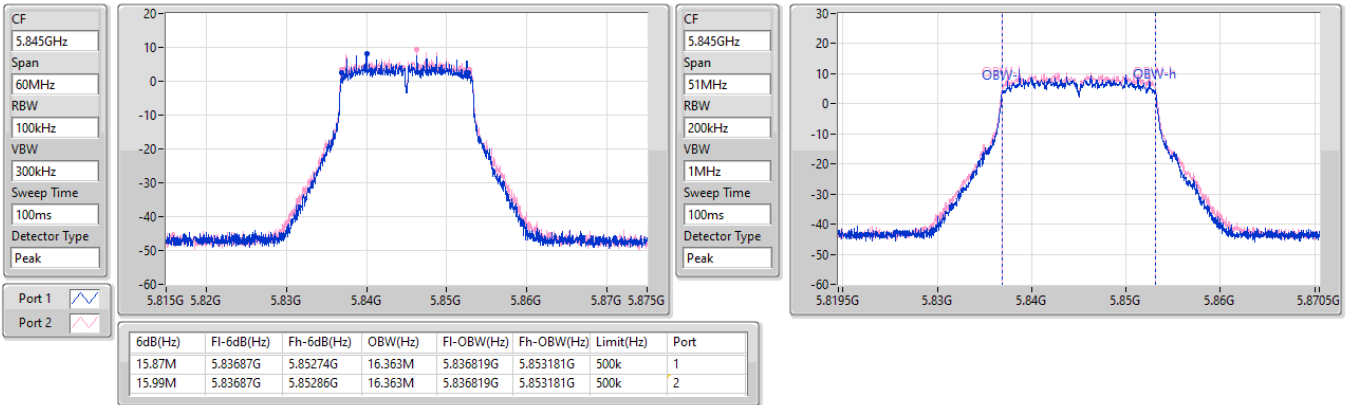
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5845MHz

11/11/2022

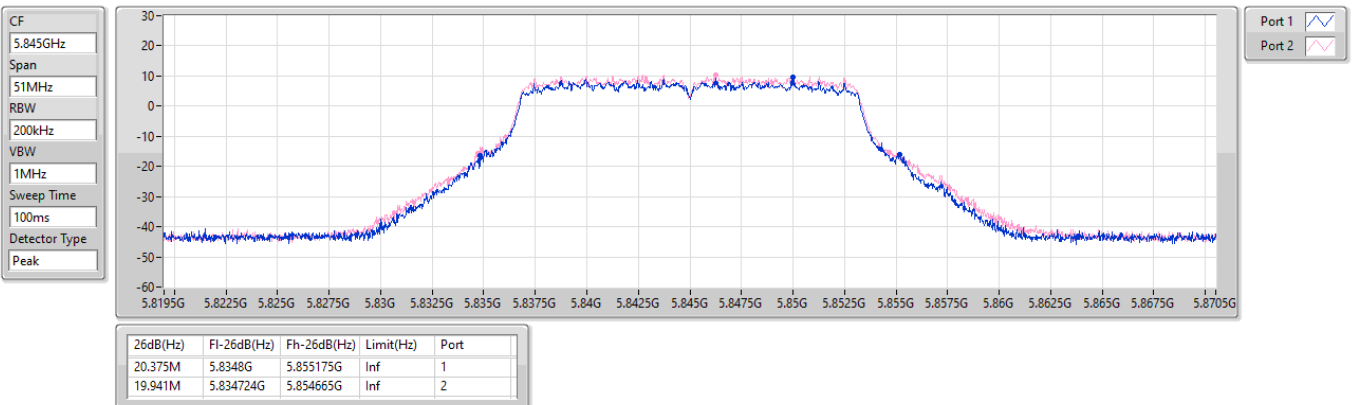


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5845MHz

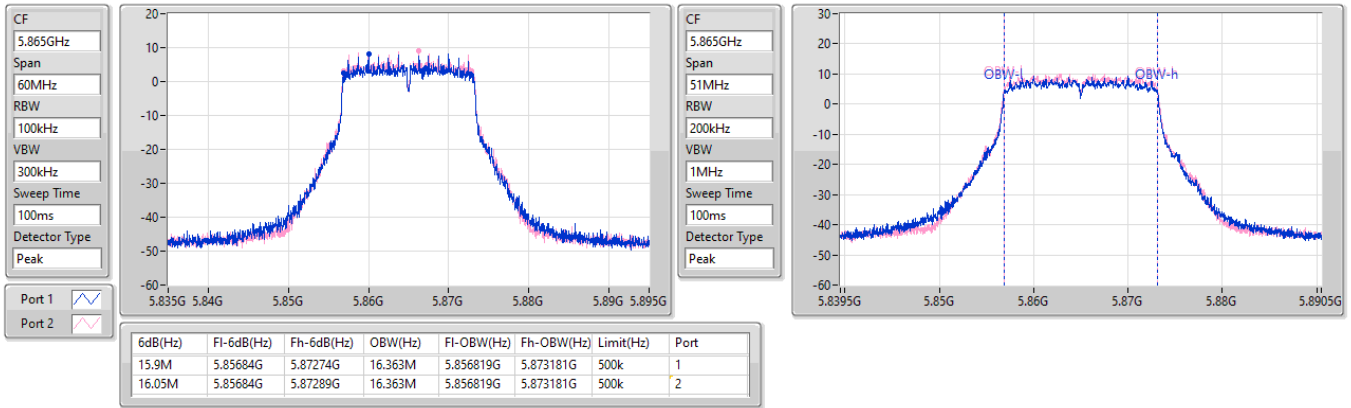
11/11/2022



5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5865MHz

EBW

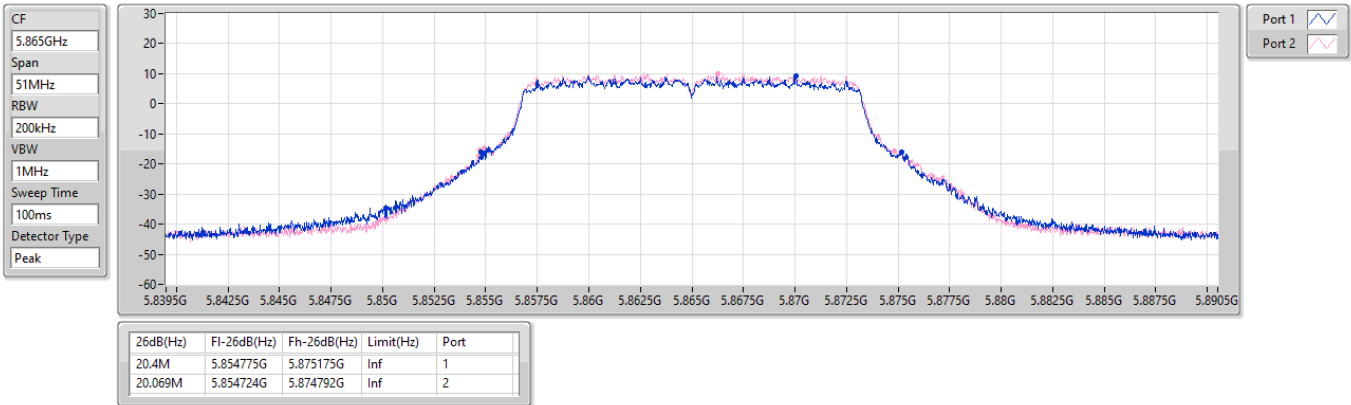
11/11/2022



5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5865MHz

EBW

11/11/2022

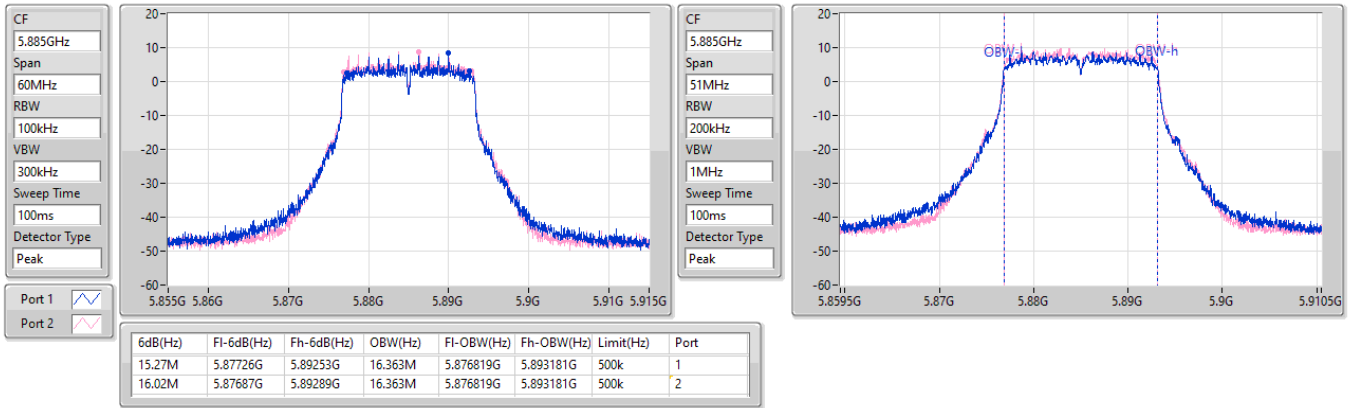


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5885MHz

11/11/2022

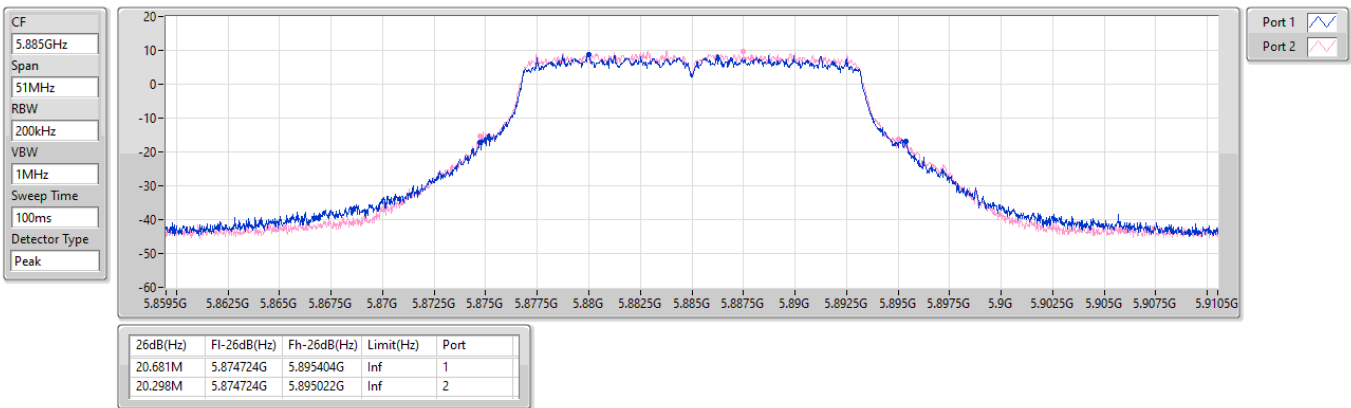


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5885MHz

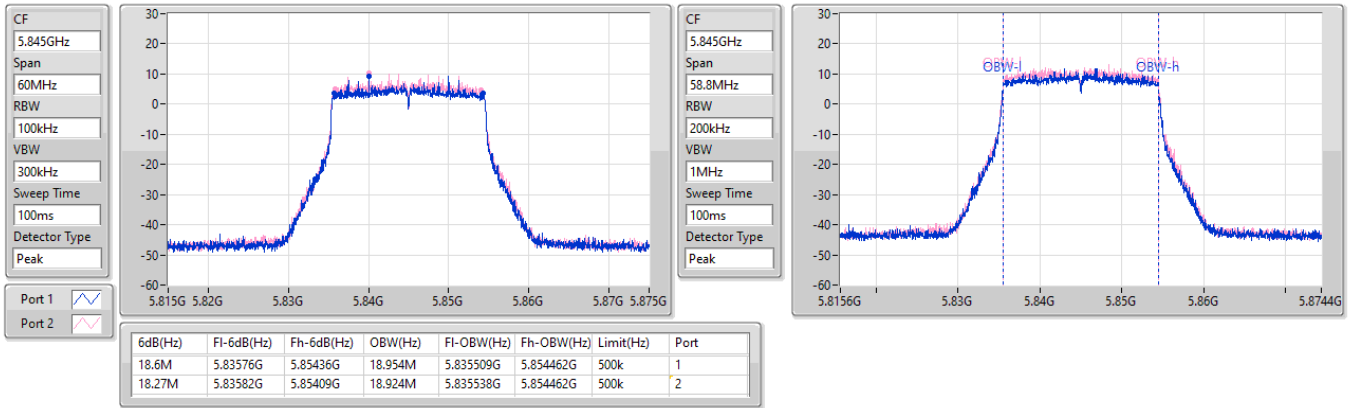
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5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5845MHz

EBW

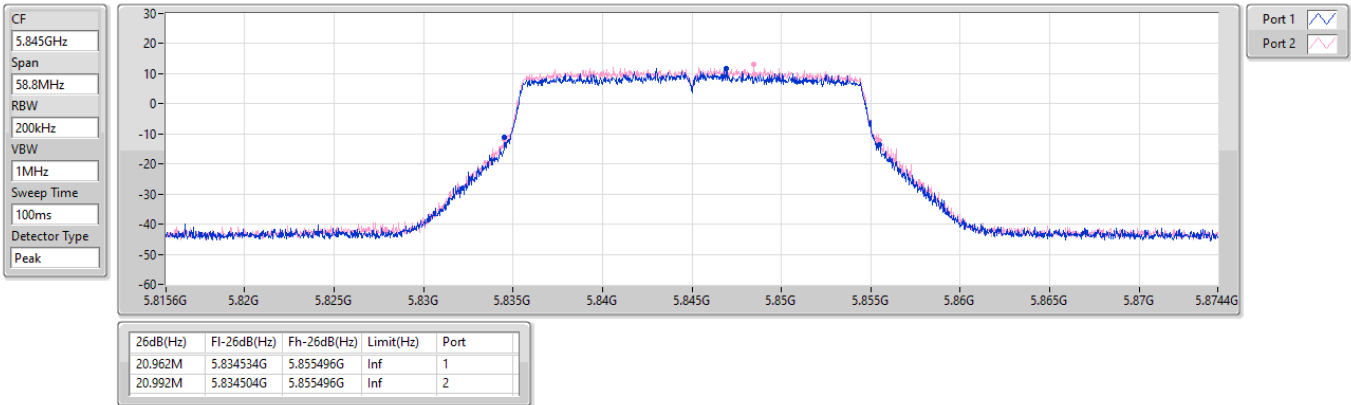
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5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5845MHz

EBW

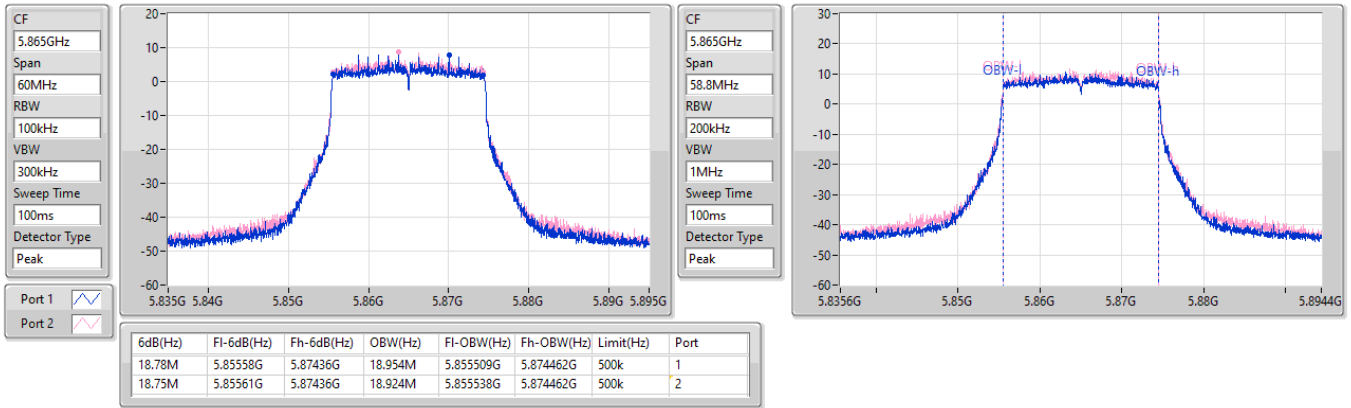
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5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5865MHz

EBW

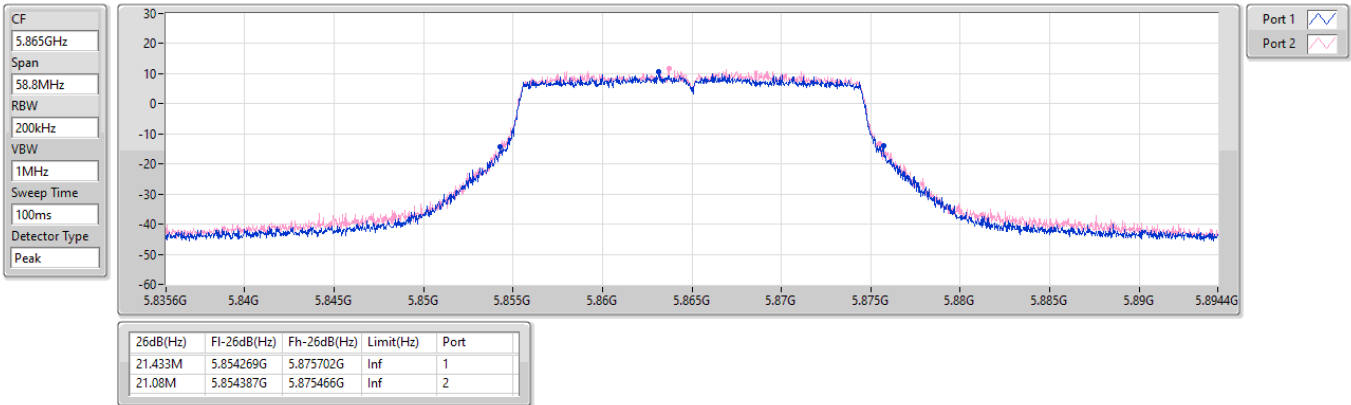
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5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5865MHz

EBW

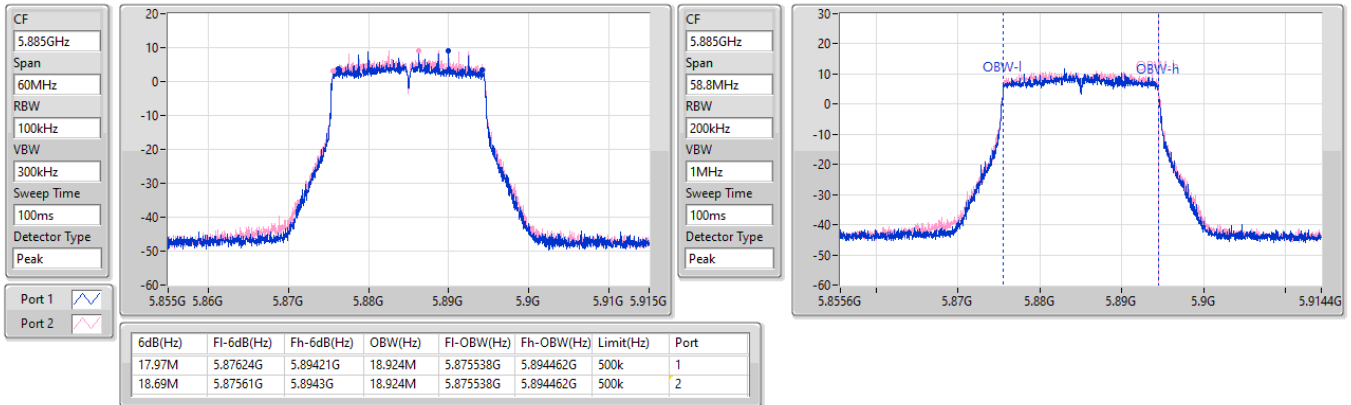
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5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5885MHz

EBW

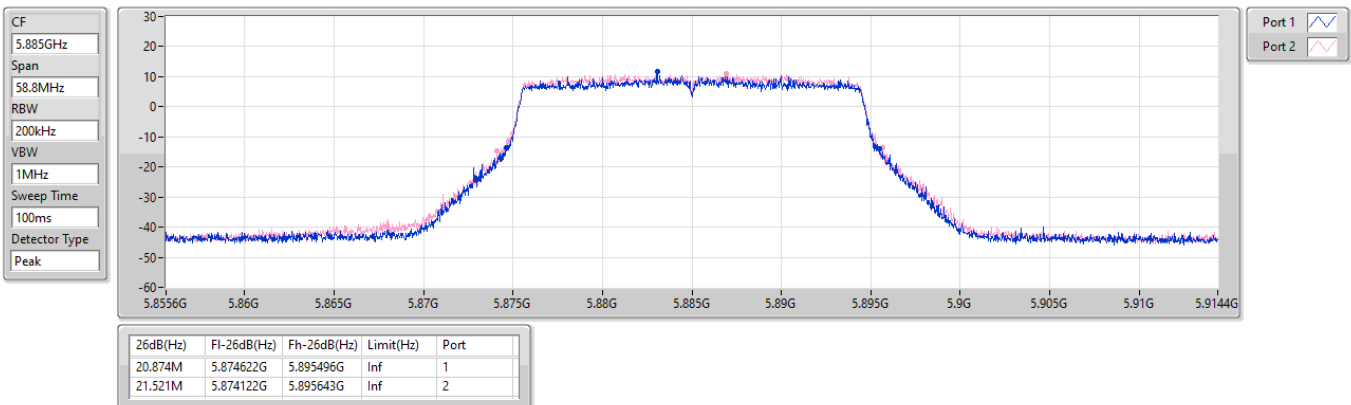
11/11/2022



5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5885MHz

EBW

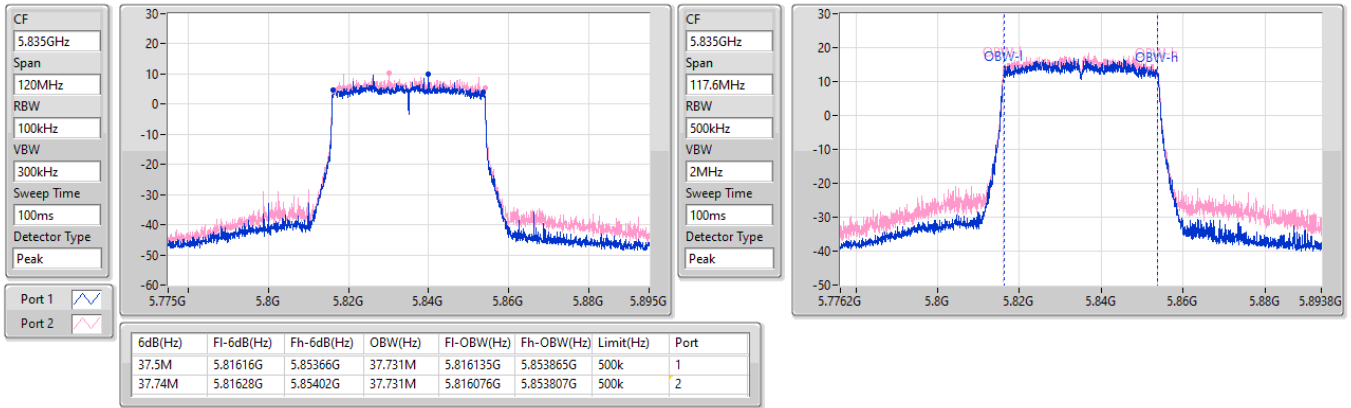
11/11/2022



5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5835MHz

EBW

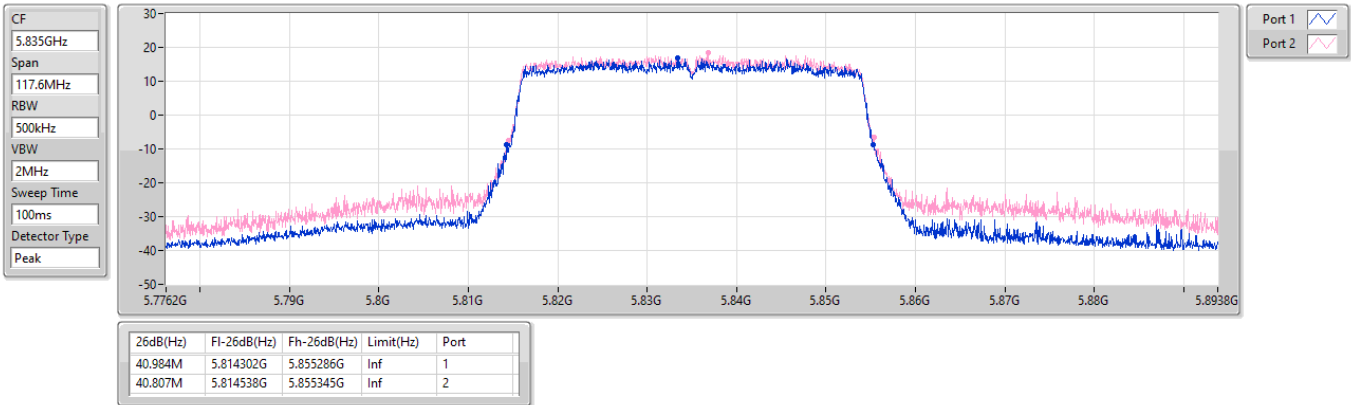
11/11/2022



5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5835MHz

EBW

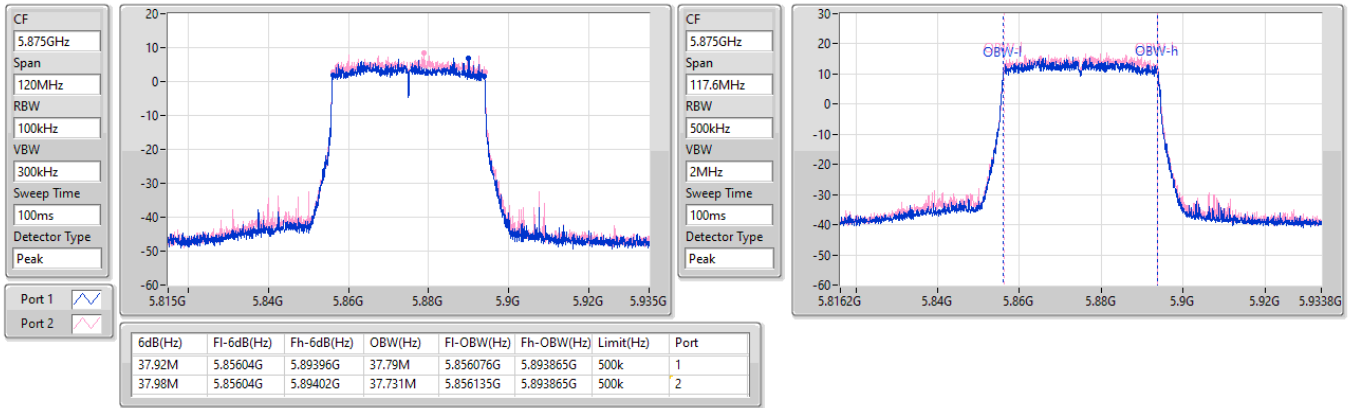
11/11/2022



5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5875MHz

EBW

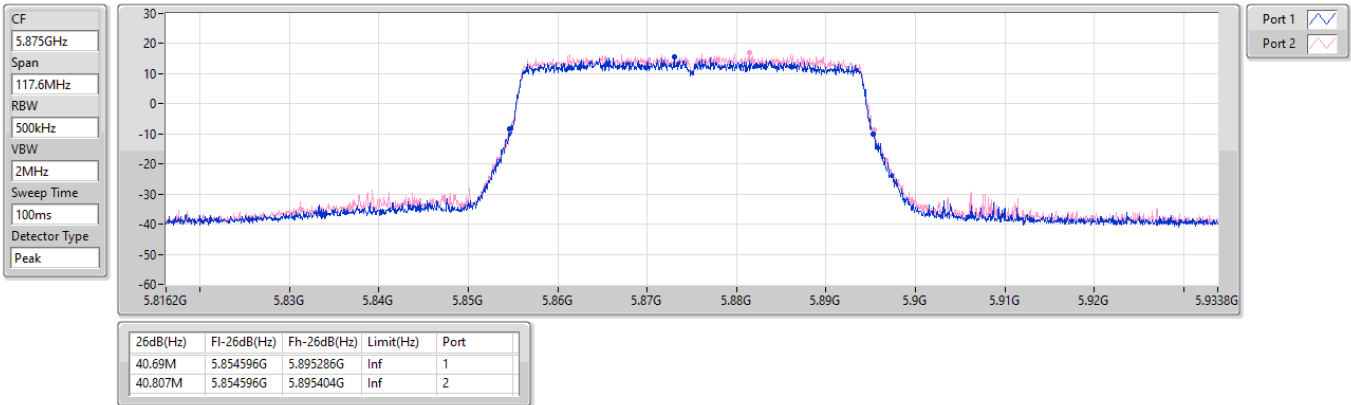
11/11/2022



5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5875MHz

EBW

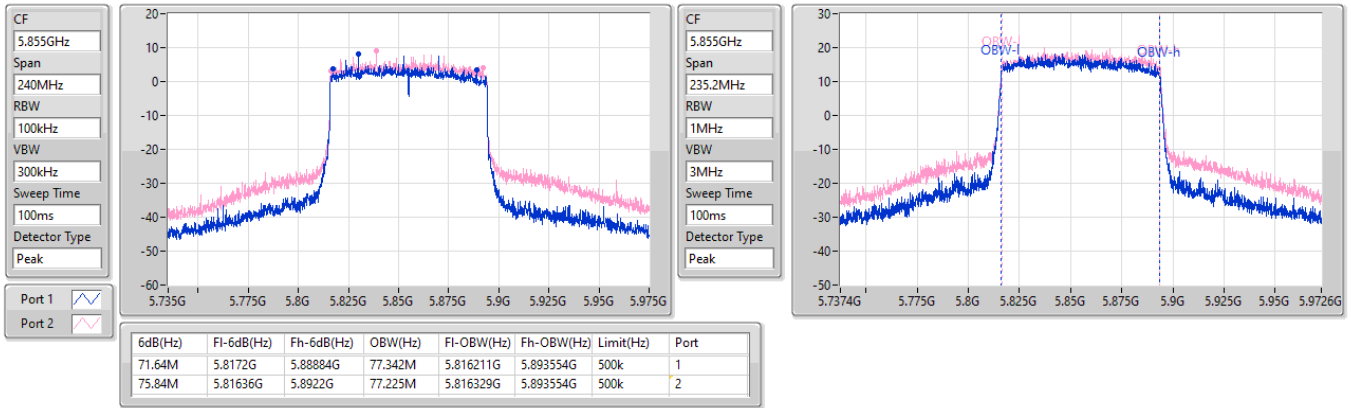
11/11/2022



5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5855MHz

EBW

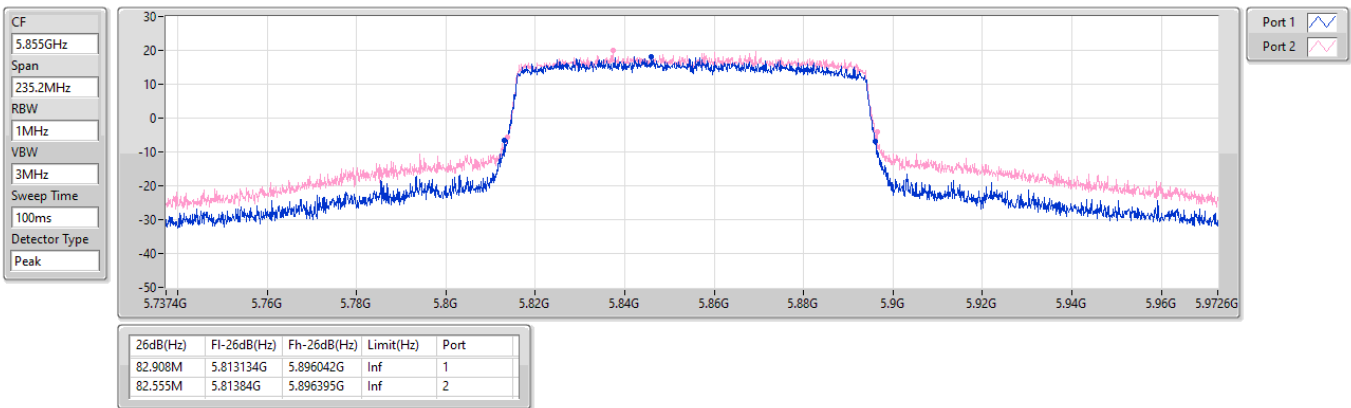
11/11/2022



5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5855MHz

EBW

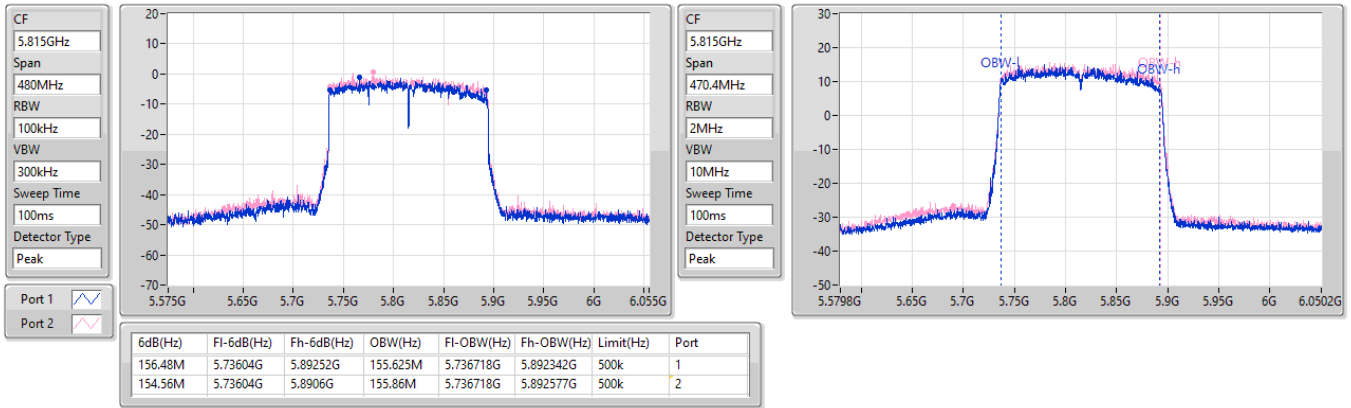
11/11/2022



5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_2TX
5815MHz

EBW

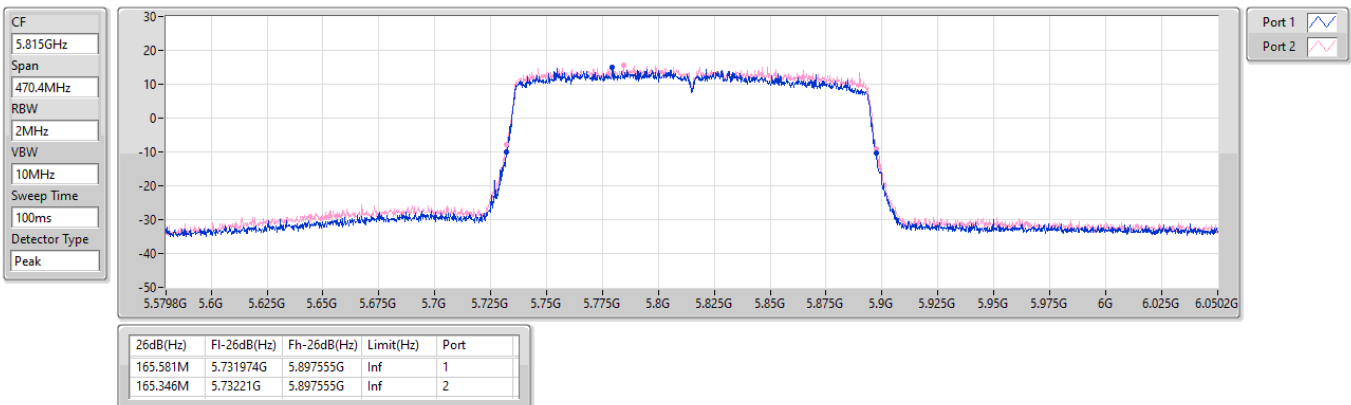
11/11/2022



5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_2TX
5815MHz

EBW

11/11/2022





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.895GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.96	0.15704	29.04	0.80168
802.11ax HEW20_Nss1,(MCS0)_2TX	23.15	0.20654	30.23	1.05439
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.15	0.20654	33.15	2.06538
802.11ax HEW40_Nss1,(MCS0)_2TX	27.12	0.51523	34.20	2.63027
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	25.59	0.36224	35.59	3.62243
802.11ax HEW80_Nss1,(MCS0)_2TX	28.01	0.63241	35.09	3.22849
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	25.50	0.35481	35.50	3.54813
802.11ax HEW160_Nss1,(MCS0)_2TX	24.02	0.25235	31.10	1.28825
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	24.02	0.25235	34.02	2.52348



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-
5845MHz	Pass	7.08	18.16	19.46	21.87	28.95	36.00
5865MHz	Pass	7.08	18.29	19.52	21.96	29.04	36.00
5885MHz	Pass	7.08	18.13	19.11	21.66	28.74	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5845MHz	Pass	7.08	19.35	20.80	23.15	30.23	36.00
5865MHz	Pass	7.08	18.66	19.62	22.18	29.26	36.00
5885MHz	Pass	7.08	18.86	19.96	22.46	29.54	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5835MHz	Pass	7.08	23.52	24.62	27.12	34.20	36.00
5875MHz	Pass	7.08	21.94	23.33	25.70	32.78	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5855MHz	Pass	7.08	24.28	25.61	28.01	35.09	36.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5815MHz	Pass	7.08	20.44	21.51	24.02	31.10	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5845MHz	Pass	10.00	19.35	20.80	23.15	33.15	36.00
5865MHz	Pass	10.00	18.66	19.62	22.18	32.18	36.00
5885MHz	Pass	10.00	18.86	19.96	22.46	32.46	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5835MHz	Pass	10.00	21.92	23.06	25.54	35.54	36.00
5875MHz	Pass	10.00	21.72	23.30	25.59	35.59	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5855MHz	Pass	10.00	21.54	23.27	25.50	35.50	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5815MHz	Pass	10.00	20.44	21.51	24.02	34.02	36.00

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



Summary

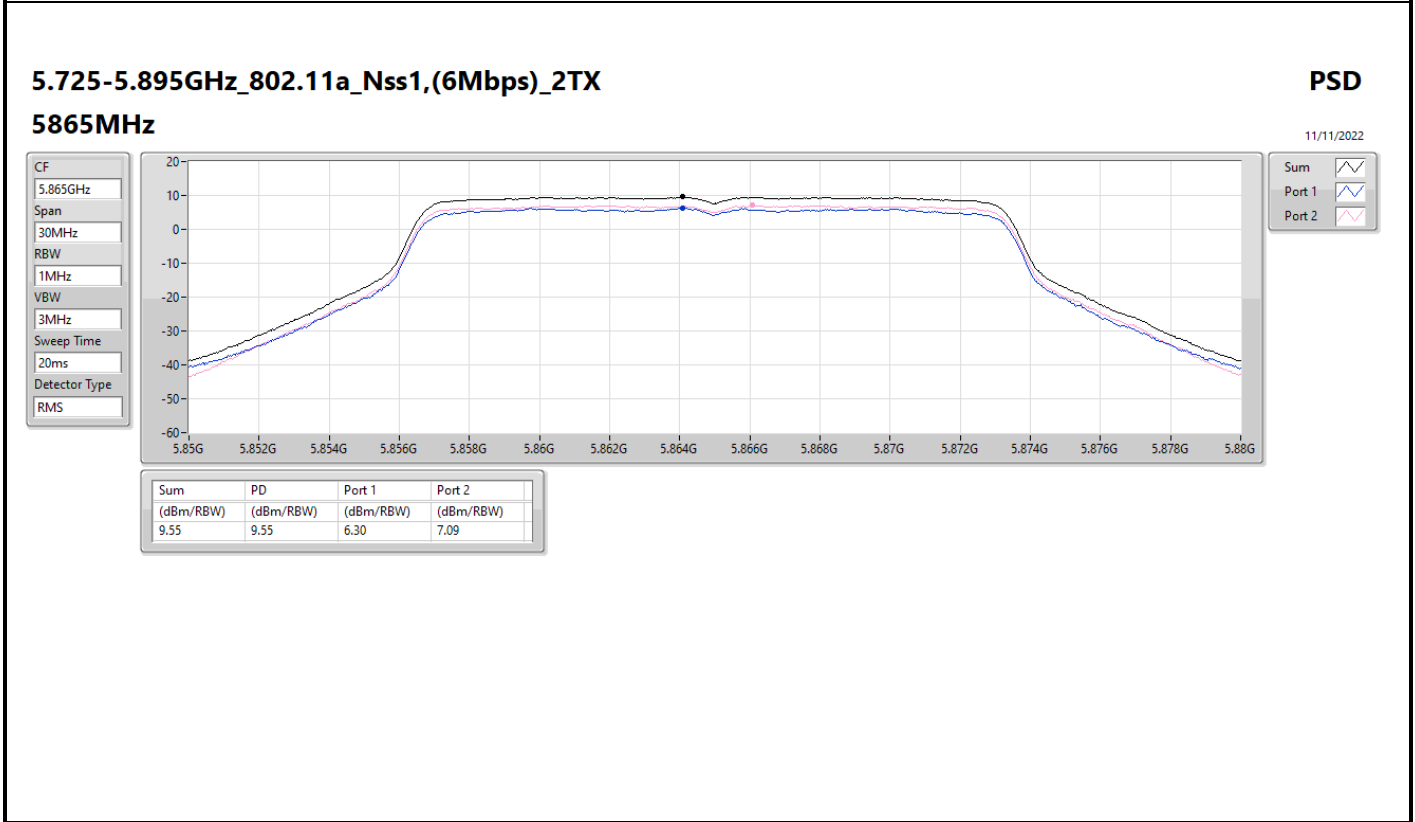
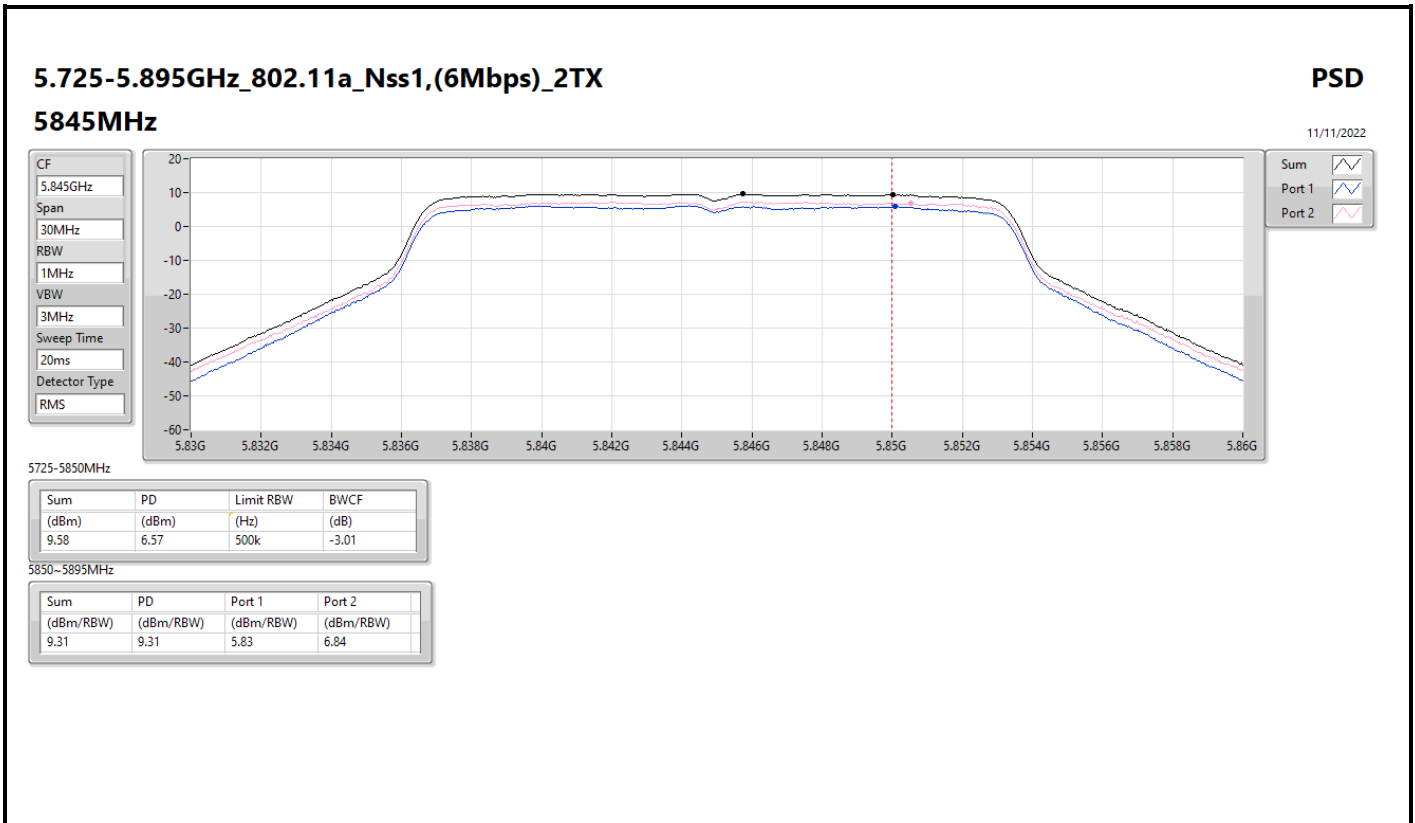
Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.895GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.55	19.55
802.11ax HEW20_Nss1,(MCS0)_2TX	9.61	19.61
802.11ax HEW40_Nss1,(MCS0)_2TX	9.57	19.57
802.11ax HEW80_Nss1,(MCS0)_2TX	8.78	18.78
802.11ax HEW160_Nss1,(MCS0)_2TX	0.80	10.80

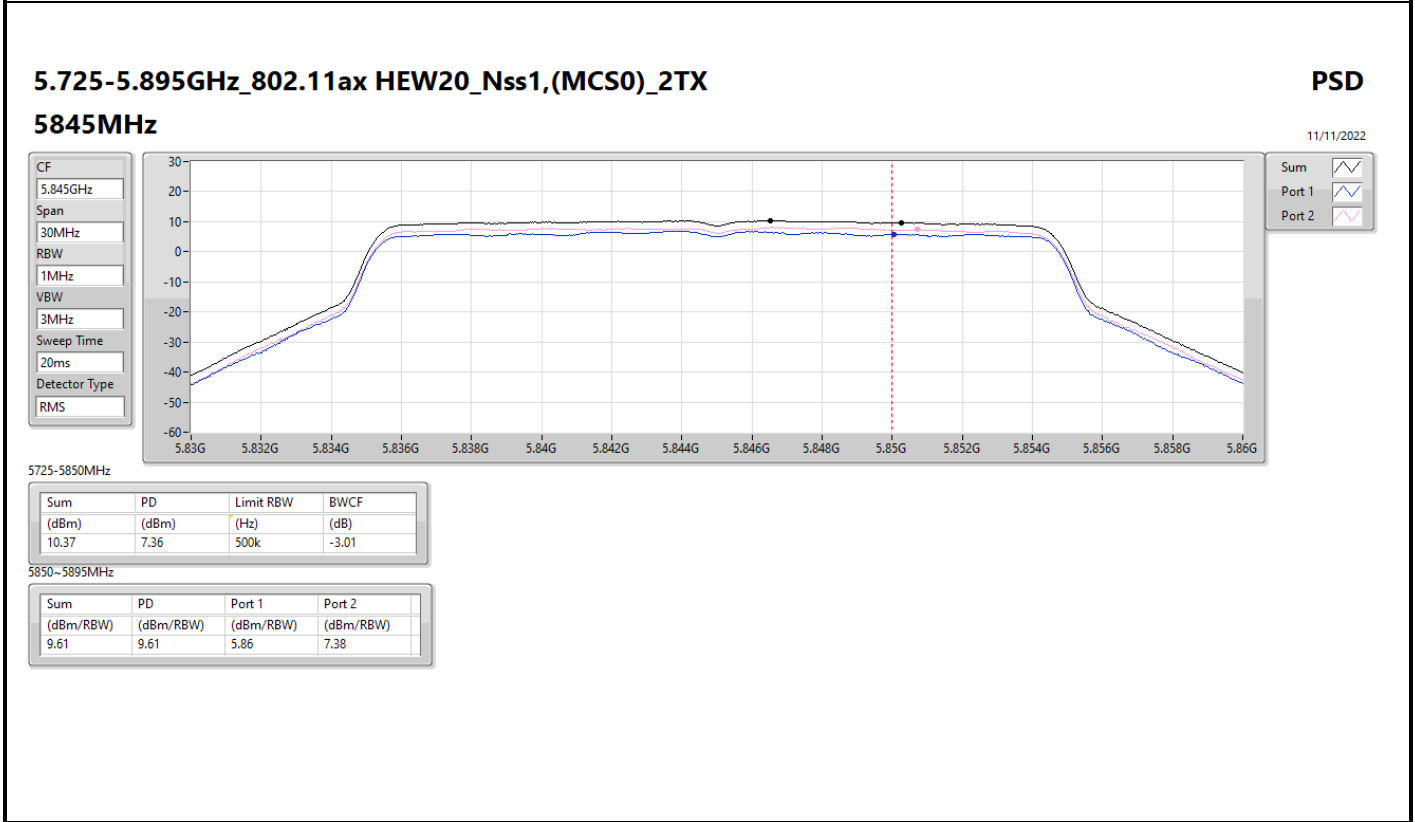
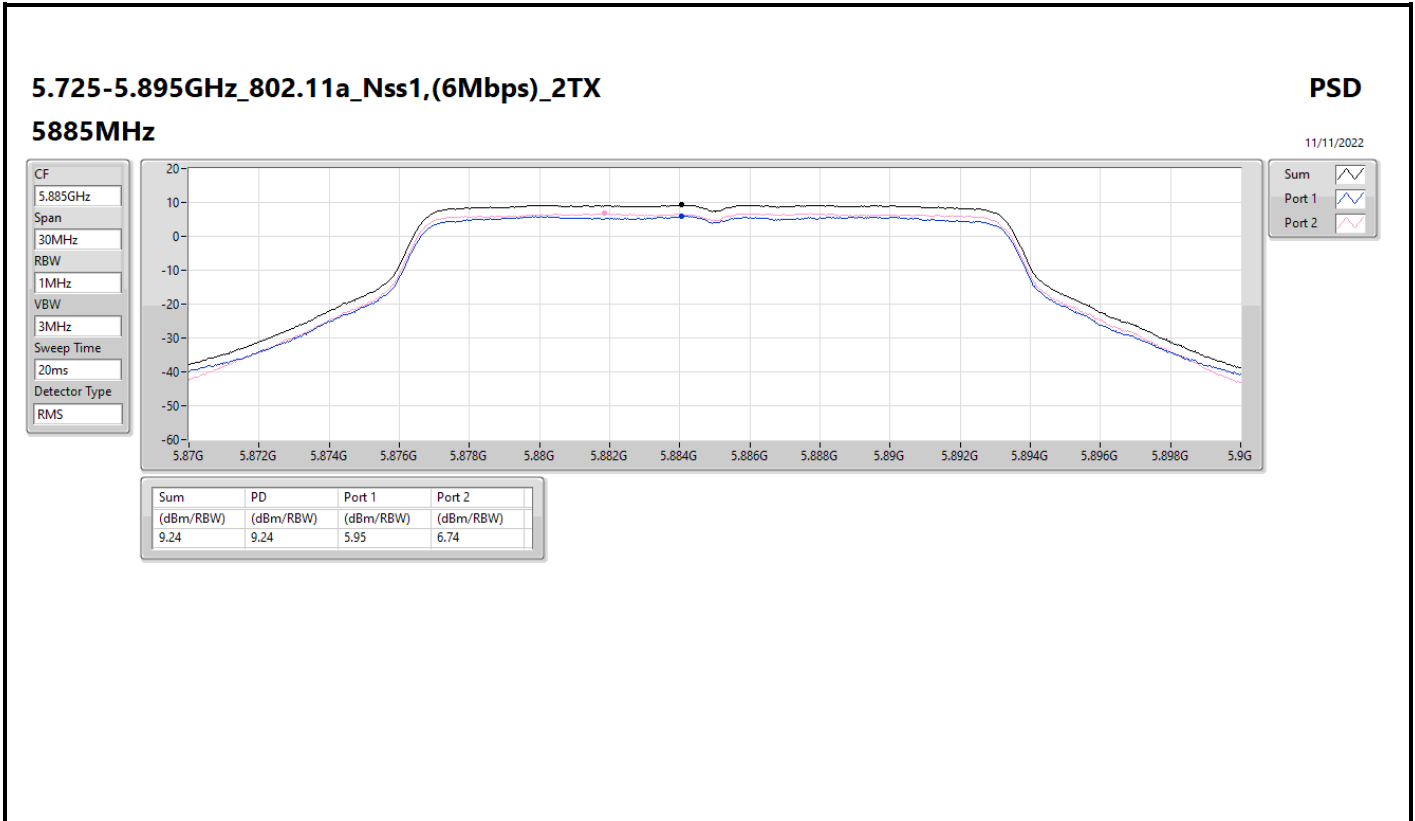
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band:

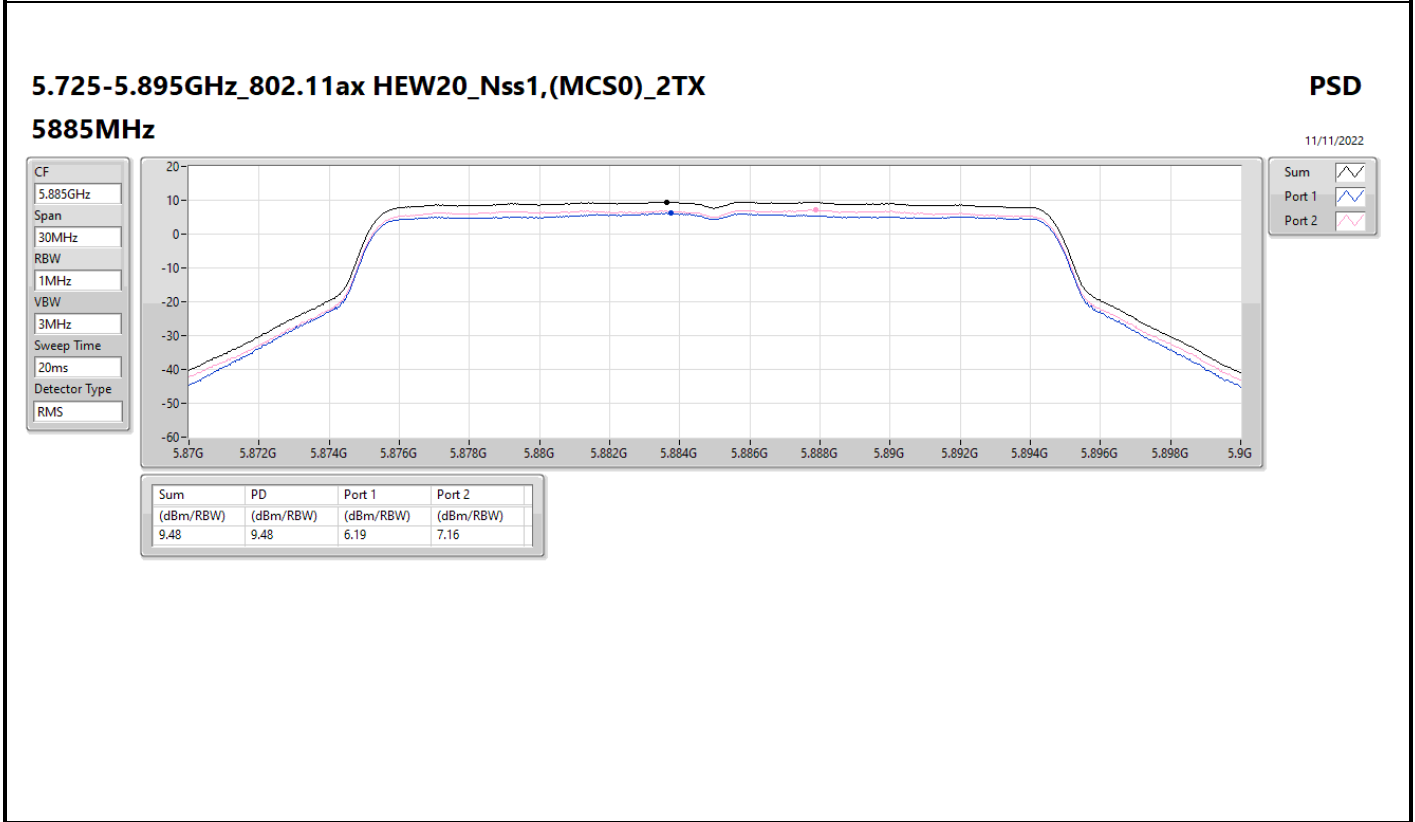
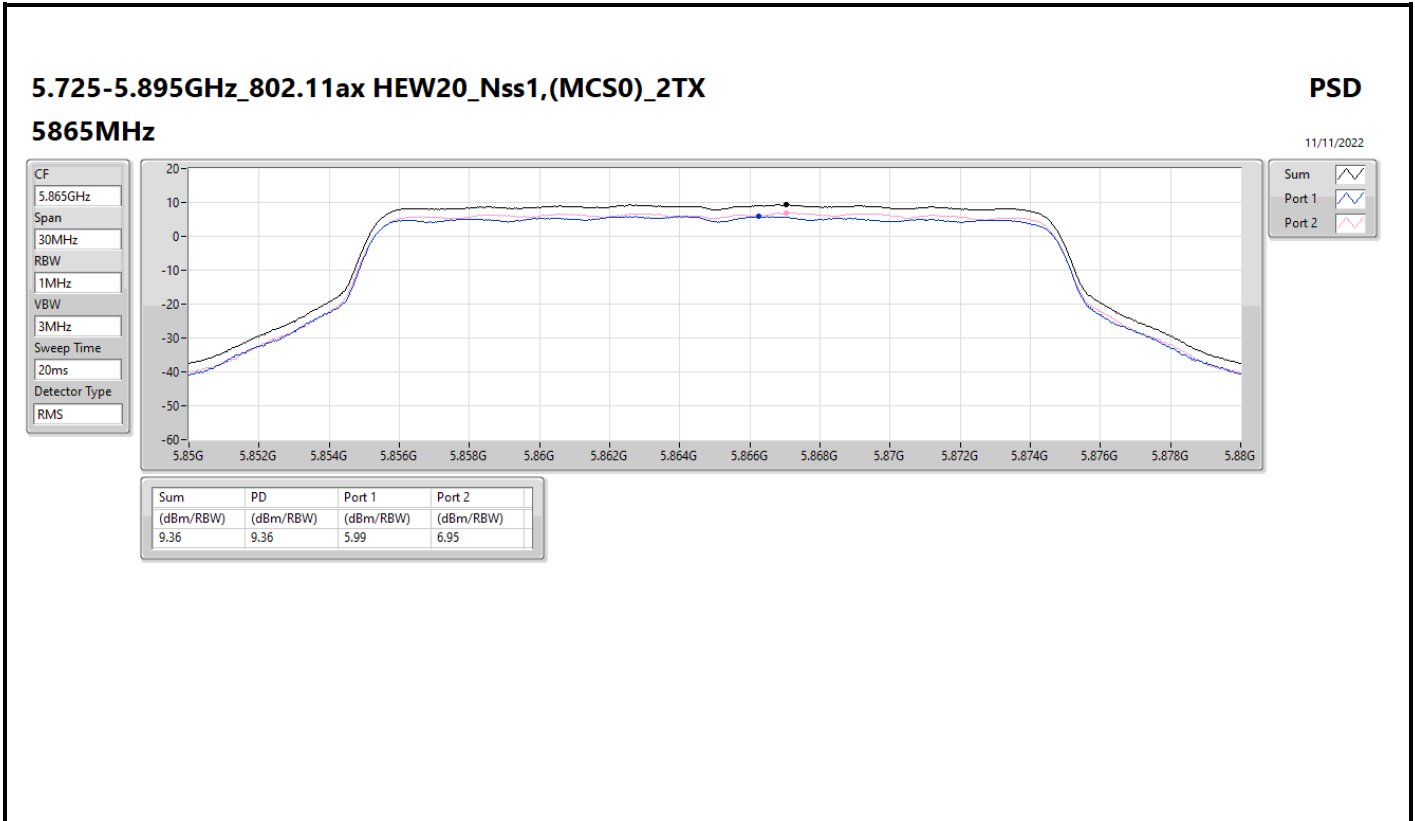
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-
5845MHz	Pass	10.00	5.83	6.84	9.31	19.31	20.00
5865MHz	Pass	10.00	6.30	7.09	9.55	19.55	20.00
5885MHz	Pass	10.00	5.95	6.74	9.24	19.24	20.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5845MHz	Pass	10.00	5.86	7.38	9.61	19.61	20.00
5865MHz	Pass	10.00	5.99	6.95	9.36	19.36	20.00
5885MHz	Pass	10.00	6.19	7.16	9.48	19.48	20.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5835MHz	Pass	10.00	5.57	7.38	9.47	19.47	20.00
5875MHz	Pass	10.00	5.82	7.32	9.57	19.57	20.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5855MHz	Pass	10.00	5.14	6.49	8.78	18.78	20.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5815MHz	Pass	10.00	-2.76	-1.52	0.80	10.80	20.00

DG = Directional Gain; RBW = 500kHz 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;





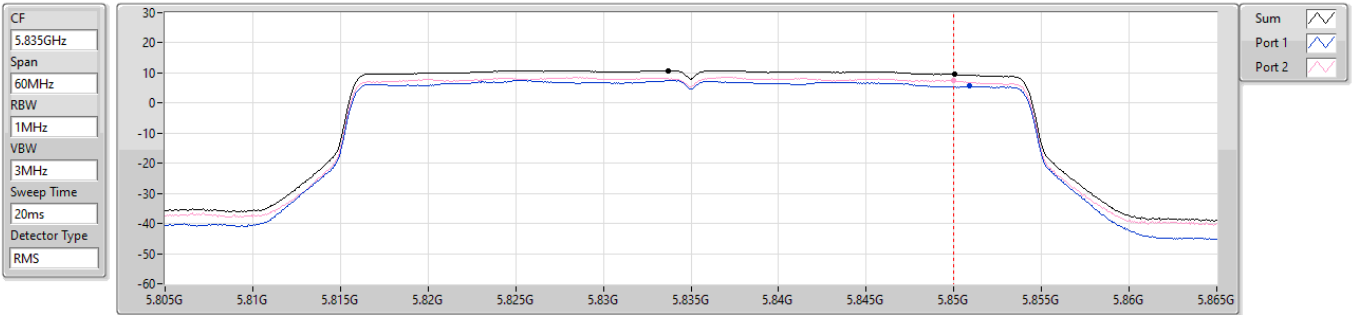


5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5835MHz

11/11/2022



5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
10.81	7.80	500k	-3.01

5850-5895MHz

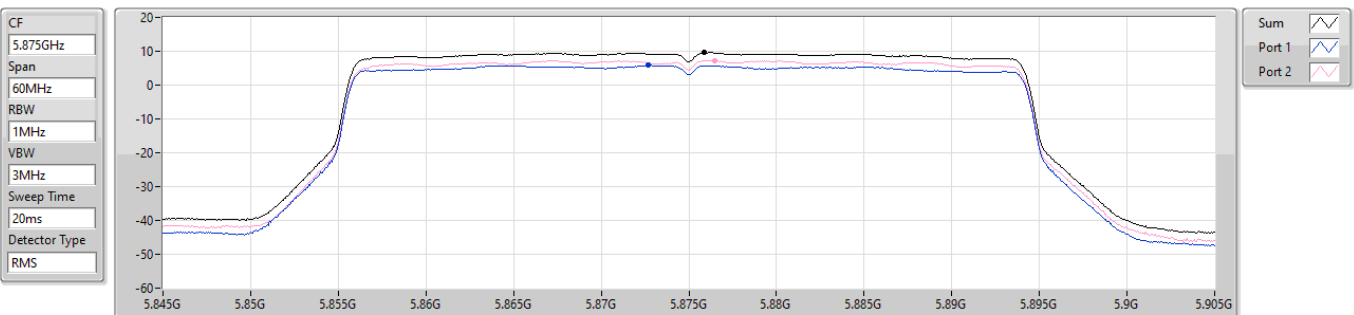
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.47	9.47	5.57	7.38

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5875MHz

11/11/2022



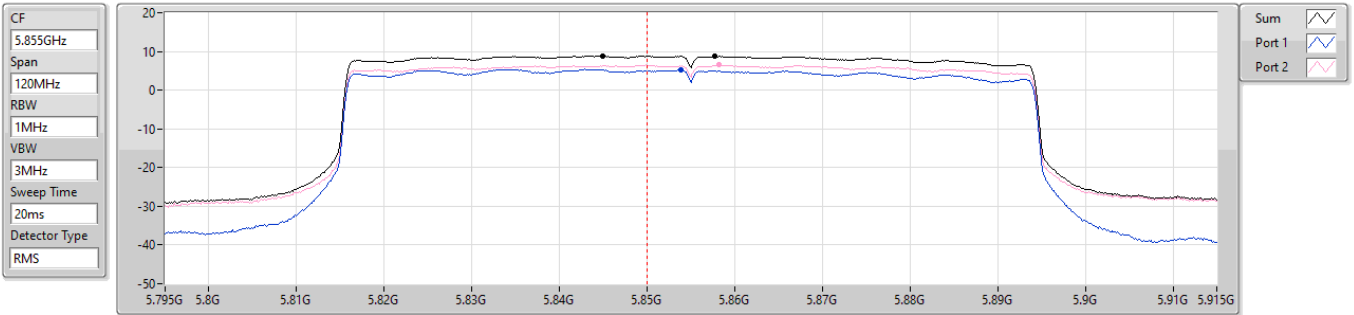
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.57	9.57	5.82	7.32

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5855MHz

11/11/2022



5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
8.81	5.80	500k	-3.01

5850-5895MHz

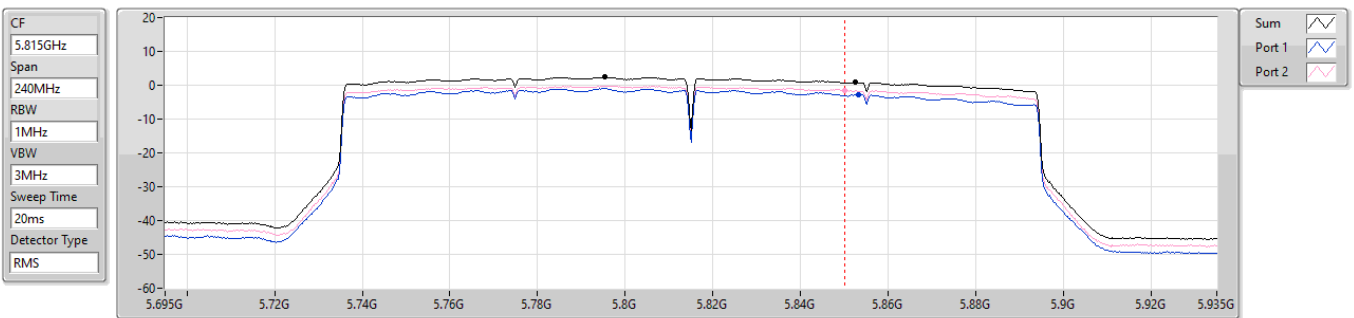
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.78	8.78	5.14	6.49

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

PSD

5815MHz

11/11/2022



5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
2.40	-0.61	500k	-3.01

5850-5895MHz

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.80	0.80	-2.76	-1.52

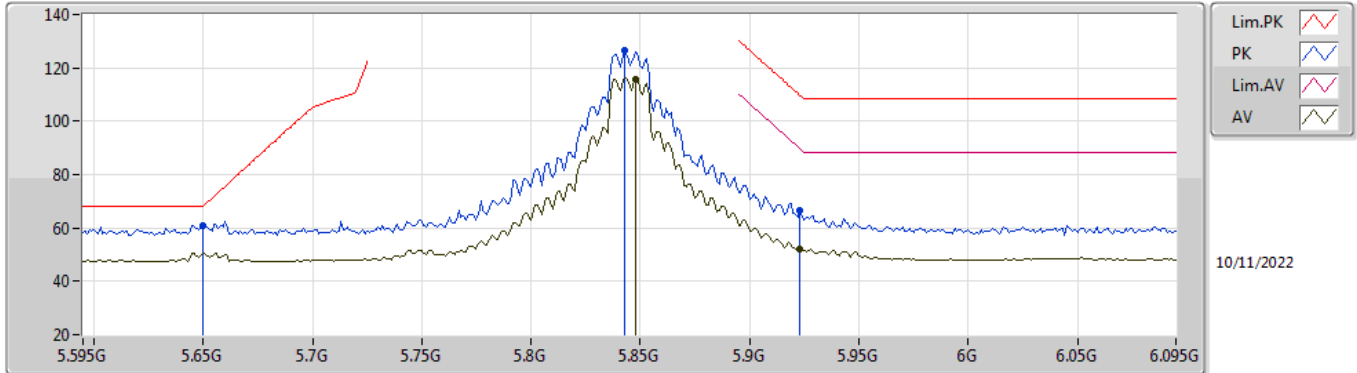


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.895GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.65G	68.16	68.20	-0.04	3	Vertical	204	2.91	-

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5845MHz_TX

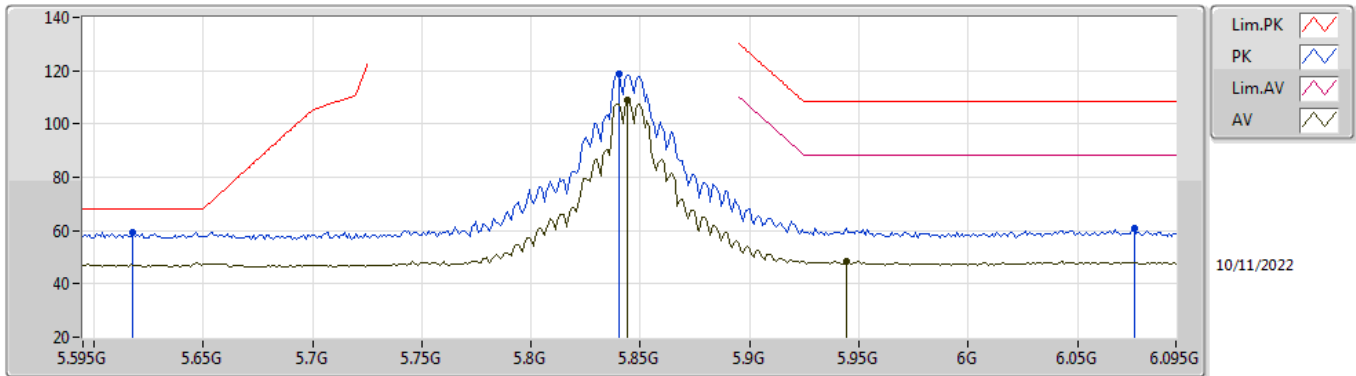


EUT_Z_2TX
Setting 30
03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	60.64	68.20	-7.56	53.91	3	Vertical	207	2.39	-	34.50	7.12	34.89
PK	5.843G	126.53	Inf	-Inf	119.96	3	Vertical	207	2.39	-	34.29	7.22	34.94
AV	5.848G	115.90	Inf	-Inf	109.32	3	Vertical	207	2.39	-	34.30	7.22	34.94
PK	5.923G	66.42	109.67	-43.25	59.42	3	Vertical	207	2.39	-	34.69	7.26	34.95
AV	5.923G	52.31	89.67	-37.36	45.31	3	Vertical	207	2.39	-	34.69	7.26	34.95

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5845MHz_TX

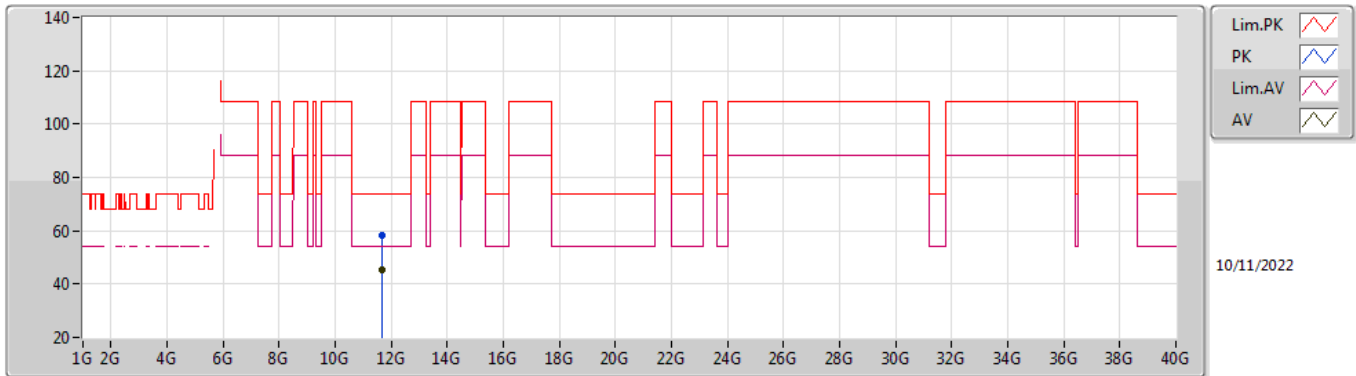


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.618G	59.55	68.20	-8.65	52.77	3	Horizontal	233	2.94	-	34.56	7.11	34.89
PK	5.84G	118.73	Inf	-Inf	112.16	3	Horizontal	233	2.94	-	34.28	7.22	34.93
AV	5.844G	108.98	Inf	-Inf	102.41	3	Horizontal	233	2.94	-	34.29	7.22	34.94
AV	5.944G	48.49	88.20	-39.71	41.40	3	Horizontal	233	2.94	-	34.78	7.27	34.96
PK	6.076G	60.76	108.20	-47.44	53.38	3	Horizontal	233	2.94	-	34.95	7.41	34.98

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5845MHz_TX

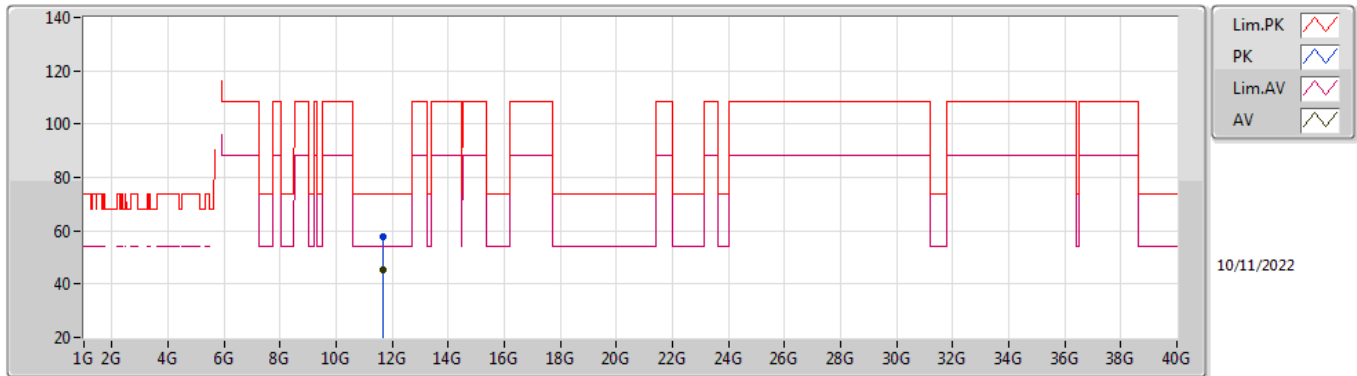


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.68628G	58.10	74.00	-15.90	40.72	3	Vertical	112	1.72	-	39.40	12.93	34.95
AV	11.68214G	45.24	54.00	-8.76	27.86	3	Vertical	112	1.72	-	39.40	12.93	34.95

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5845MHz_TX

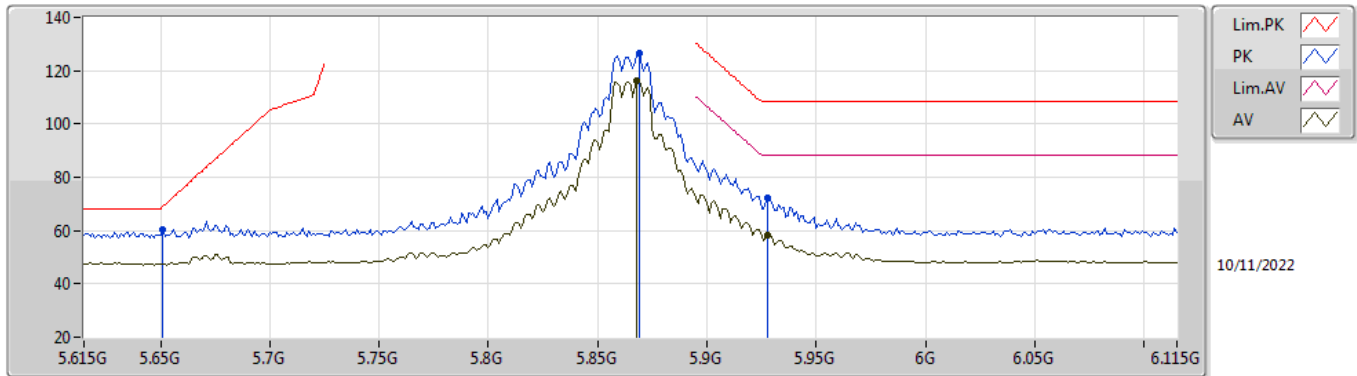


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.69168G	57.92	74.00	-16.08	40.55	3	Horizontal	127	2.94	-	39.40	12.93	34.96
AV	11.68148G	45.25	54.00	-8.75	27.88	3	Horizontal	127	2.94	-	39.40	12.92	34.95

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5865MHz_TX

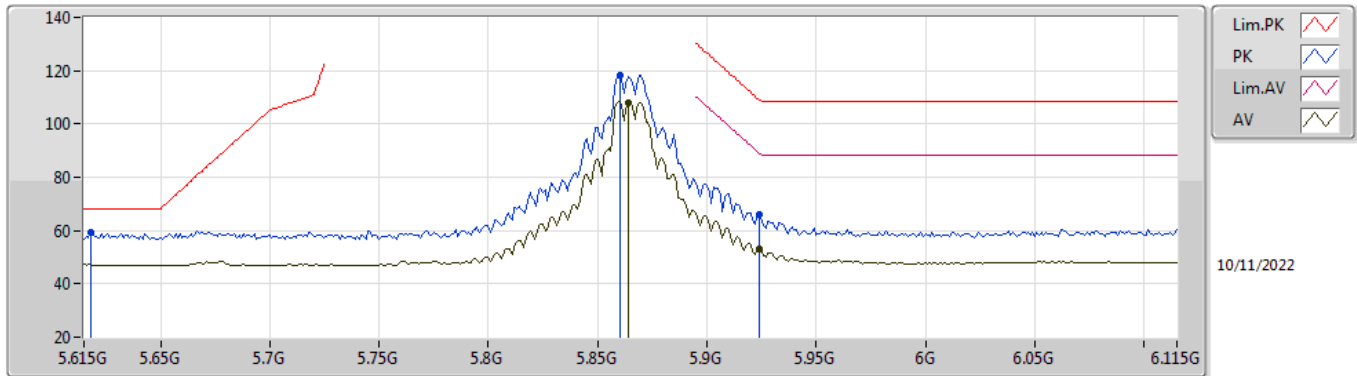


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.651G	60.37	68.94	-8.57	53.63	3	Vertical	202	2.88	-	34.50	7.13	34.89
PK	5.869G	126.68	Inf	-Inf	119.98	3	Vertical	202	2.88	-	34.41	7.23	34.94
AV	5.868G	116.15	Inf	-Inf	109.45	3	Vertical	202	2.88	-	34.41	7.23	34.94
PK	5.928G	72.45	108.20	-35.75	65.43	3	Vertical	202	2.88	-	34.71	7.26	34.95
AV	5.928G	58.29	88.20	-29.91	51.27	3	Vertical	202	2.88	-	34.71	7.26	34.95

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5865MHz_TX

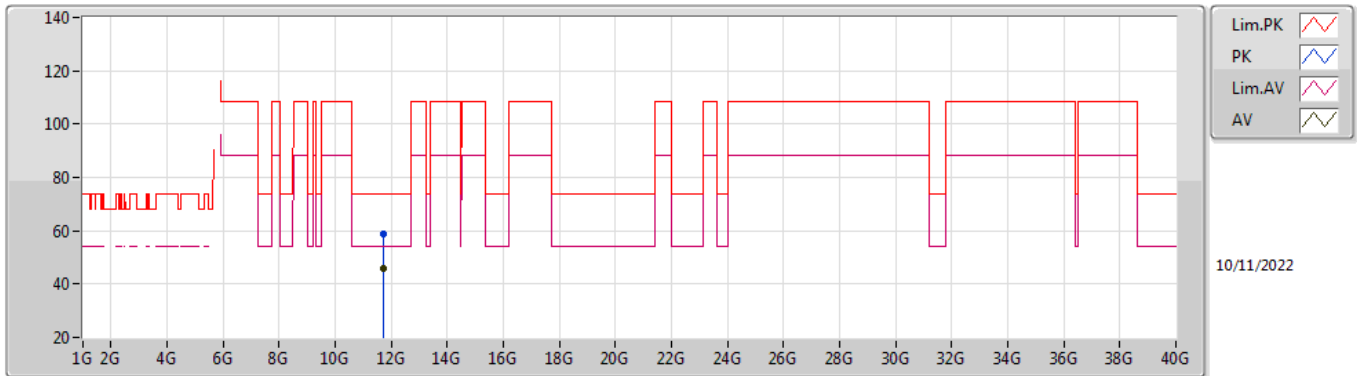


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.618G	59.17	68.20	-9.03	52.39	3	Horizontal	232	2.98	-	34.56	7.11	34.89
PK	5.86G	118.53	Inf	-Inf	111.88	3	Horizontal	232	2.98	-	34.36	7.23	34.94
AV	5.864G	108.08	Inf	-Inf	101.41	3	Horizontal	232	2.98	-	34.38	7.23	34.94
PK	5.924G	66.13	108.93	-42.80	59.12	3	Horizontal	232	2.98	-	34.70	7.26	34.95
AV	5.924G	53.04	88.93	-35.89	46.03	3	Horizontal	232	2.98	-	34.70	7.26	34.95

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5865MHz_TX

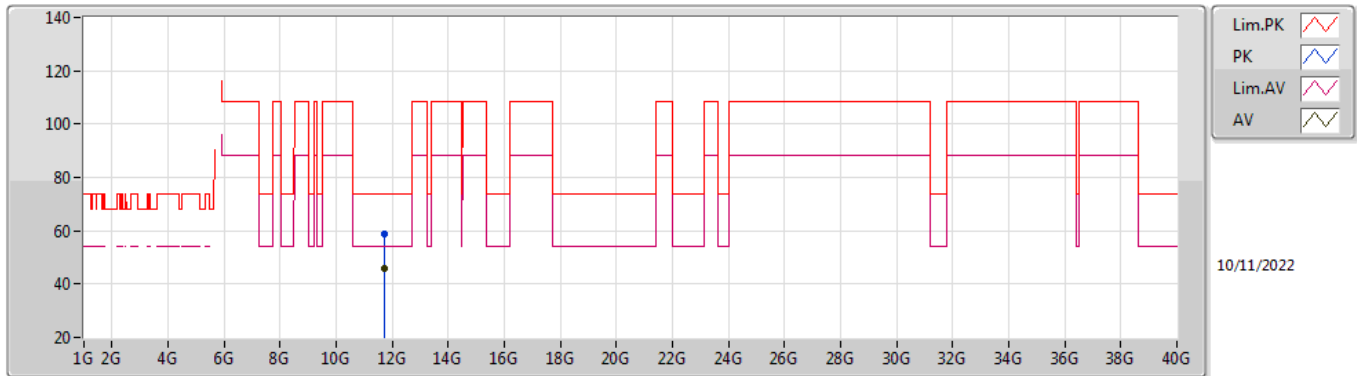


EUT_Z_2TX
Setting 30
03-D-B-2

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	11.74032G	58.67	74.00	-15.33	41.25	3	Vertical	180	1.93	-	39.44	12.96	34.98
AV	11.74434G	45.67	54.00	-8.33	28.25	3	Vertical	180	1.93	-	39.44	12.96	34.98

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5865MHz_TX

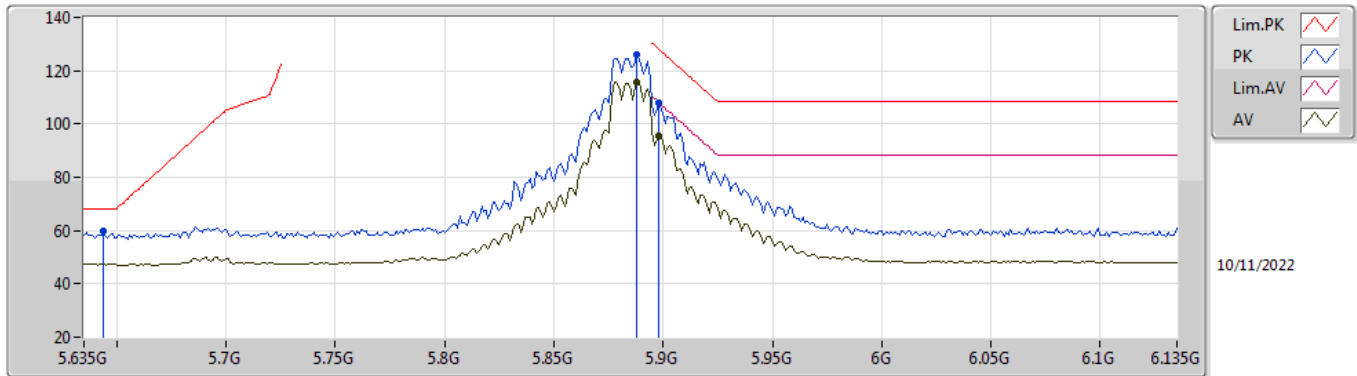


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.73108G	58.75	74.00	-15.25	41.35	3	Horizontal	324	2.17	-	39.43	12.95	34.98
AV	11.73654G	45.63	54.00	-8.37	28.21	3	Horizontal	324	2.17	-	39.44	12.96	34.98

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5885MHz_TX

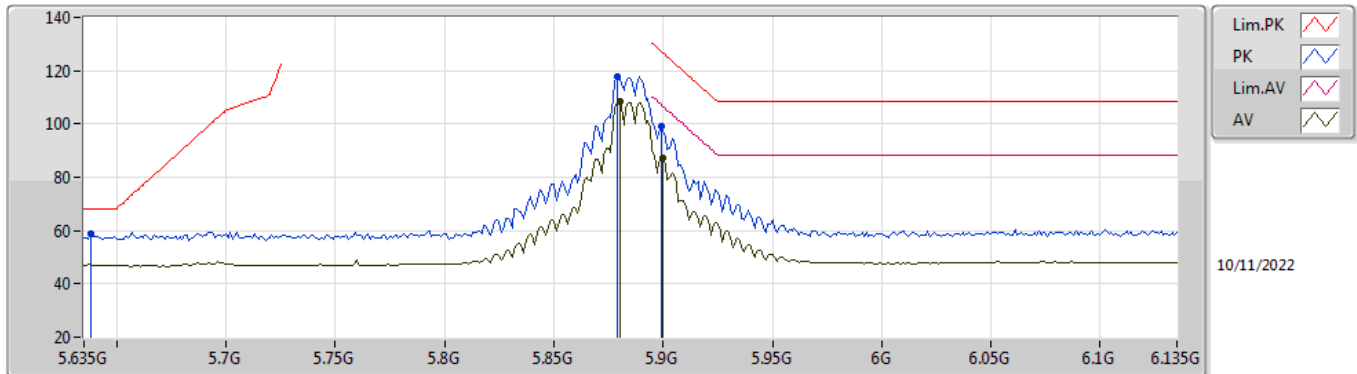


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.644G	59.57	68.20	-8.63	52.83	3	Vertical	205	3.00	-	34.51	7.12	34.89
PK	5.888G	125.86	Inf	-Inf	119.04	3	Vertical	205	3.00	-	34.53	7.24	34.95
AV	5.888G	115.74	Inf	-Inf	108.92	3	Vertical	205	3.00	-	34.53	7.24	34.95
PK	5.898G	108.05	128.00	-19.95	101.16	3	Vertical	205	3.00	-	34.59	7.25	34.95
AV	5.898G	95.73	108.00	-12.27	88.84	3	Vertical	205	3.00	-	34.59	7.25	34.95

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5885MHz_TX

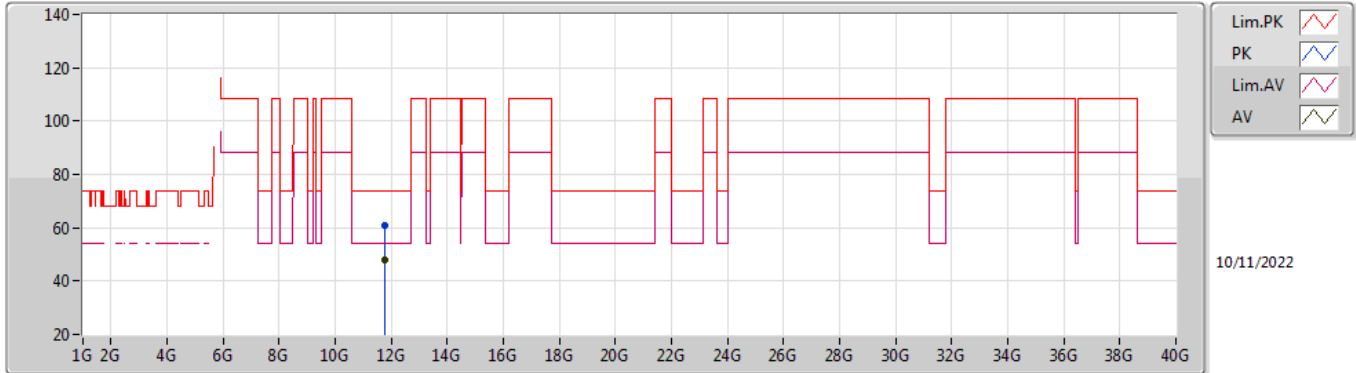


EUT_Z_2TX
Setting 30
03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.638G	58.72	68.20	-9.48	51.97	3	Horizontal	232	2.92	-	34.52	7.12	34.89
PK	5.879G	117.69	Inf	-Inf	110.92	3	Horizontal	232	2.92	-	34.47	7.24	34.94
AV	5.88G	108.45	Inf	-Inf	101.67	3	Horizontal	232	2.92	-	34.48	7.24	34.94
PK	5.899G	99.17	127.27	-28.10	92.28	3	Horizontal	232	2.92	-	34.59	7.25	34.95
AV	5.9G	87.45	106.53	-19.08	80.55	3	Horizontal	232	2.92	-	34.60	7.25	34.95

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5885MHz_TX

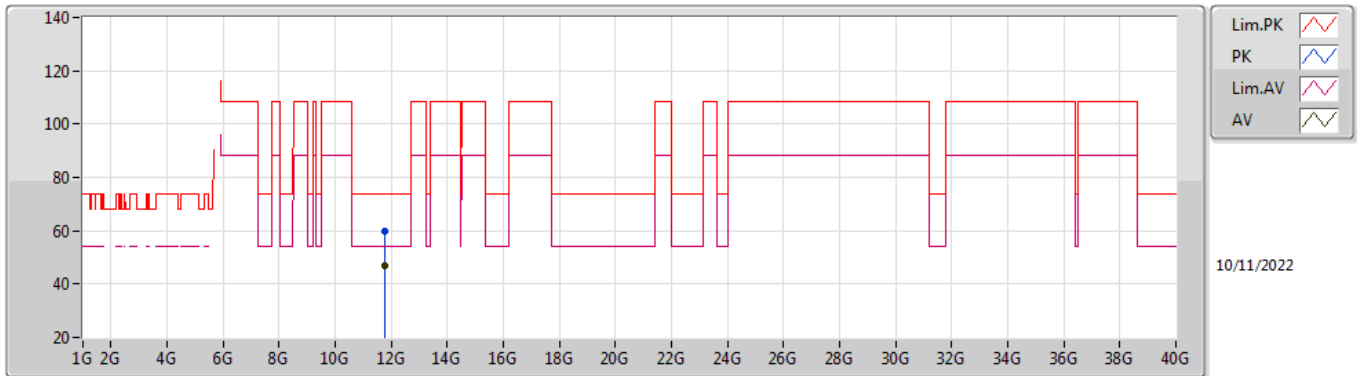


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.77426G	60.67	74.00	-13.33	43.22	3	Vertical	234	1.80	-	39.47	12.98	35.00
AV	11.76988G	48.07	54.00	-5.93	30.62	3	Vertical	234	1.80	-	39.47	12.97	34.99

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5885MHz_TX

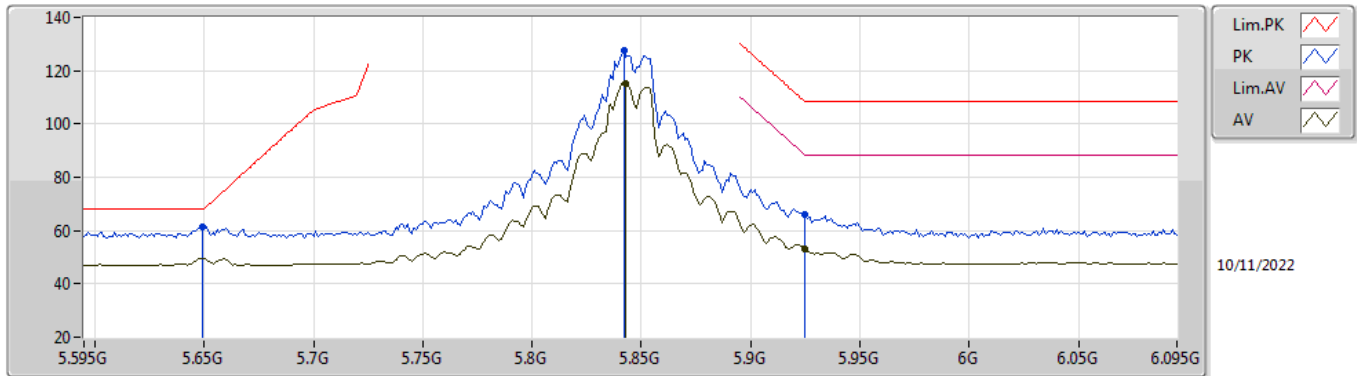


EUT_Z_2TX
Setting 30
03-D-B-2

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	11.75896G	59.62	74.00	-14.38	42.18	3	Horizontal	278	1.95	-	39.46	12.97	34.99
AV	11.77006G	46.71	54.00	-7.29	29.27	3	Horizontal	278	1.95	-	39.47	12.97	35.00

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5845MHz_TX

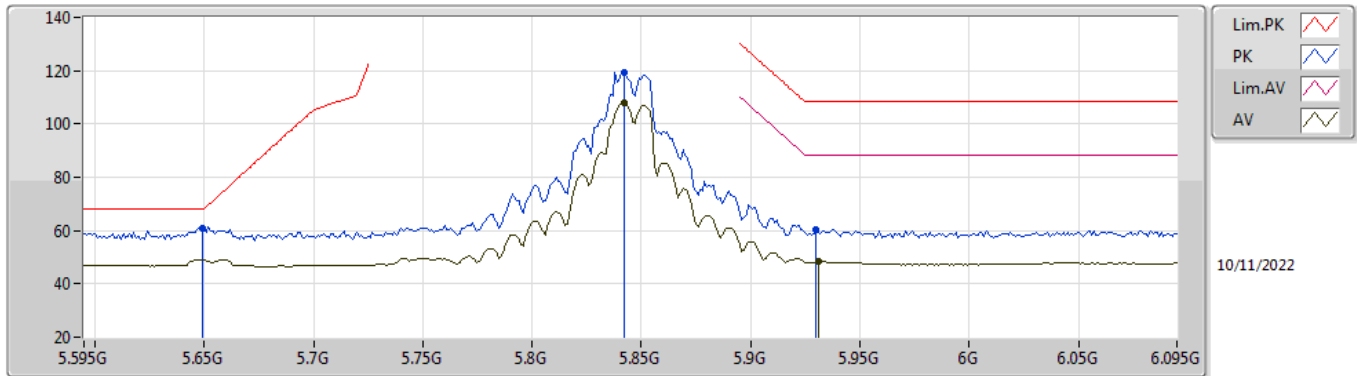


EUT_Z_2TX
Setting 30
03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.649G	61.22	68.20	-6.98	54.49	3	Vertical	200	2.93	-	34.50	7.12	34.89
PK	5.842G	127.57	Inf	-Inf	121.01	3	Vertical	200	2.93	-	34.28	7.22	34.94
AV	5.843G	115.14	Inf	-Inf	108.57	3	Vertical	200	2.93	-	34.29	7.22	34.94
PK	5.925G	65.78	108.20	-42.42	58.77	3	Vertical	200	2.93	-	34.70	7.26	34.95
AV	5.925G	53.21	88.20	-34.99	46.20	3	Vertical	200	2.93	-	34.70	7.26	34.95

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5845MHz_TX

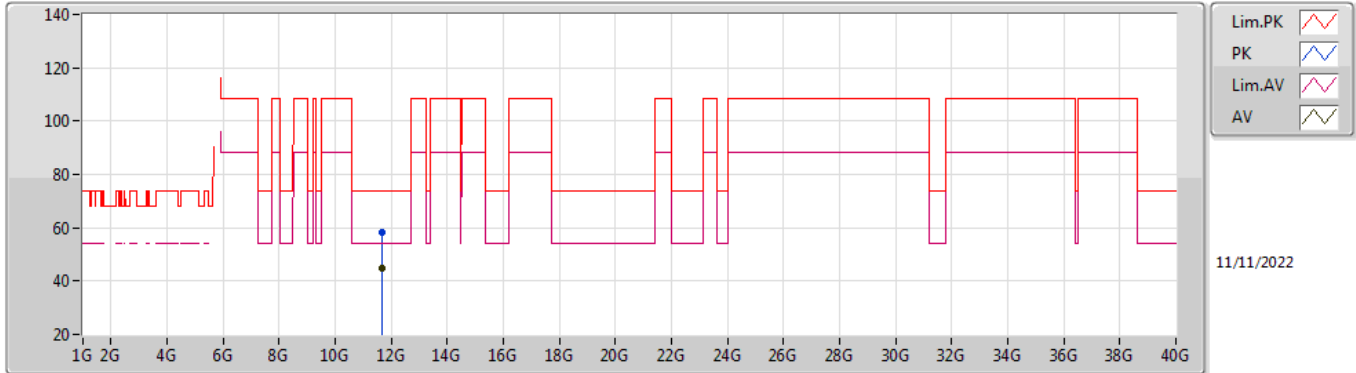


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.649G	60.93	68.20	-7.27	54.20	3	Horizontal	197	2.91	-	34.50	7.12	34.89
PK	5.842G	119.38	Inf	-Inf	112.82	3	Horizontal	197	2.91	-	34.28	7.22	34.94
AV	5.842G	108.09	Inf	-Inf	101.53	3	Horizontal	197	2.91	-	34.28	7.22	34.94
PK	5.93G	60.25	108.20	-47.95	53.22	3	Horizontal	197	2.91	-	34.72	7.26	34.95
AV	5.931G	48.43	88.20	-39.77	41.39	3	Horizontal	197	2.91	-	34.72	7.27	34.95

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5845MHz_TX

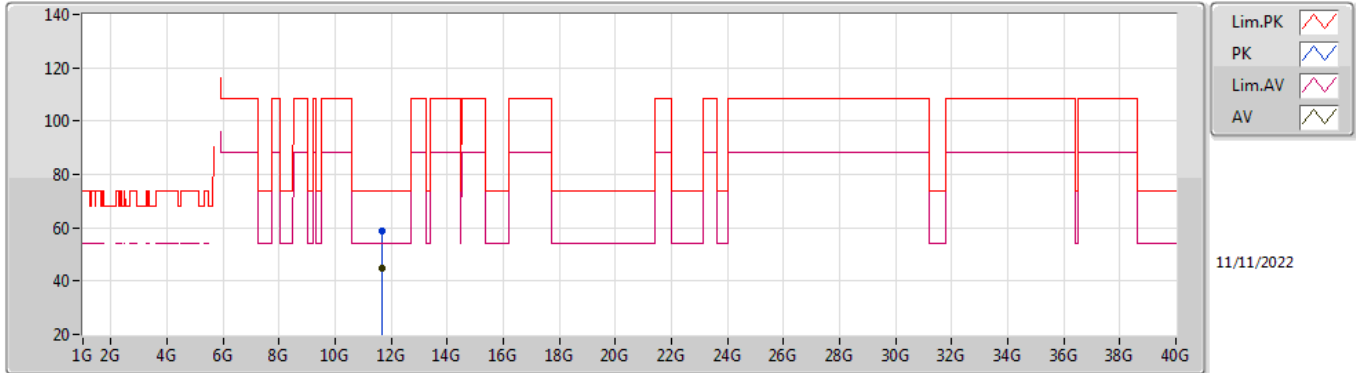


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.68791G	58.14	74.00	-15.86	40.76	3	Vertical	210	1.80	-	39.40	12.93	34.95
AV	11.68886G	44.86	54.00	-9.14	27.48	3	Vertical	210	1.80	-	39.40	12.93	34.95

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5845MHz_TX

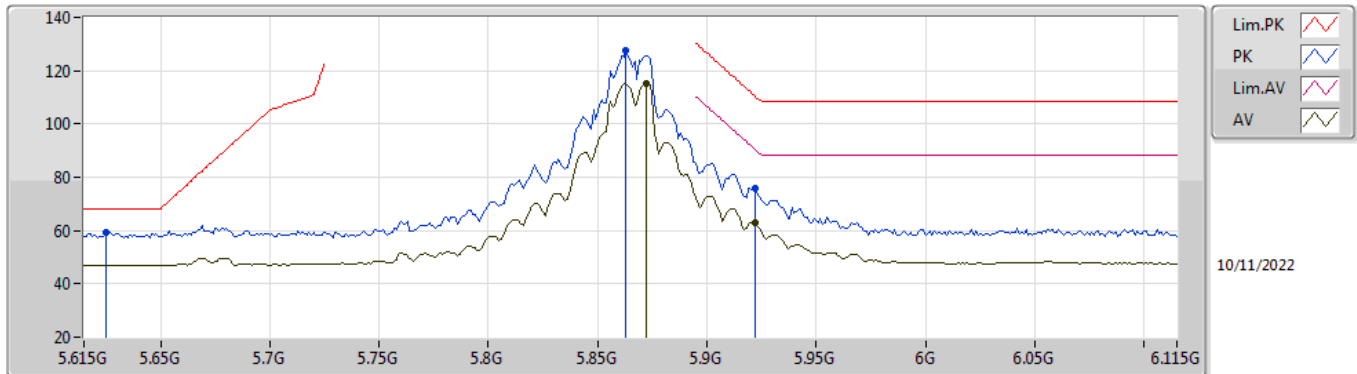


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.68861G	58.72	74.00	-15.28	41.34	3	Horizontal	142	2.81	-	39.40	12.93	34.95
AV	11.68986G	44.72	54.00	-9.28	27.34	3	Horizontal	142	2.81	-	39.40	12.93	34.95

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5865MHz_TX

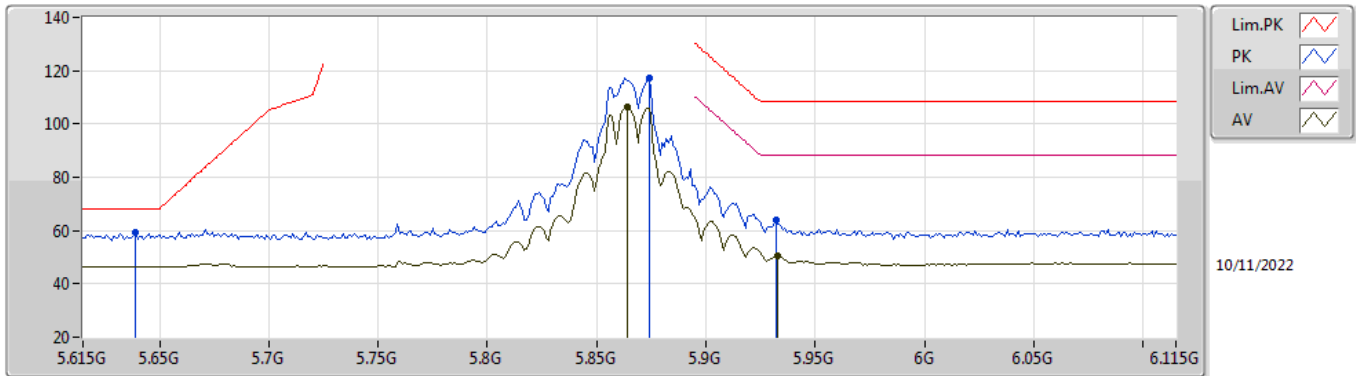


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.625G	59.18	68.20	-9.02	52.41	3	Vertical	200	2.88	-	34.55	7.11	34.89
PK	5.863G	127.36	Inf	-Inf	120.69	3	Vertical	200	2.88	-	34.38	7.23	34.94
AV	5.872G	115.06	Inf	-Inf	108.33	3	Vertical	200	2.88	-	34.43	7.24	34.94
PK	5.922G	75.72	110.40	-34.68	68.72	3	Vertical	200	2.88	-	34.69	7.26	34.95
AV	5.922G	62.86	90.40	-27.54	55.86	3	Vertical	200	2.88	-	34.69	7.26	34.95

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5865MHz_TX

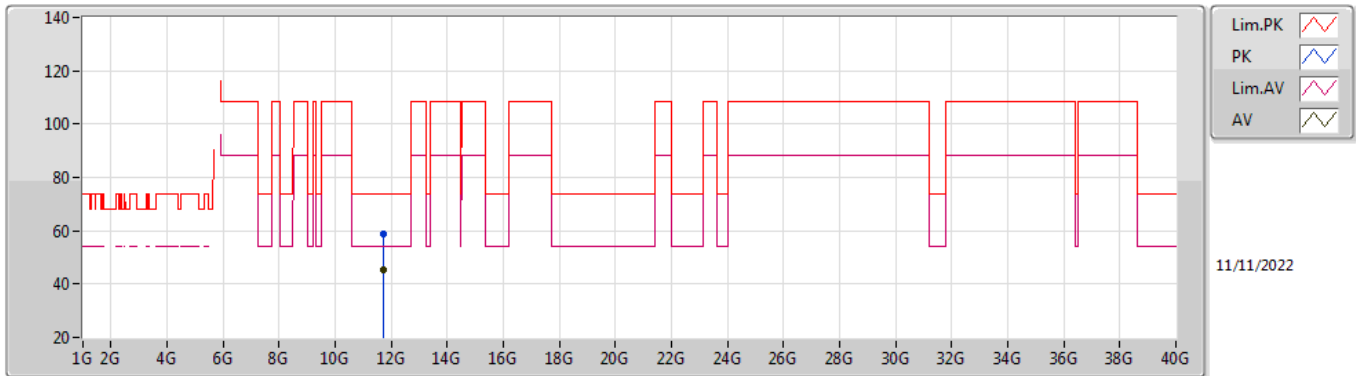


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.639G	59.09	68.20	-9.11	52.34	3	Horizontal	233	3.00	-	34.52	7.12	34.89
PK	5.874G	117.18	Inf	-Inf	110.44	3	Horizontal	233	3.00	-	34.44	7.24	34.94
AV	5.864G	106.47	Inf	-Inf	99.80	3	Horizontal	233	3.00	-	34.38	7.23	34.94
PK	5.932G	63.77	108.20	-44.43	56.73	3	Horizontal	233	3.00	-	34.73	7.27	34.96
AV	5.933G	50.27	88.20	-37.93	43.23	3	Horizontal	233	3.00	-	34.73	7.27	34.96

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5865MHz_TX

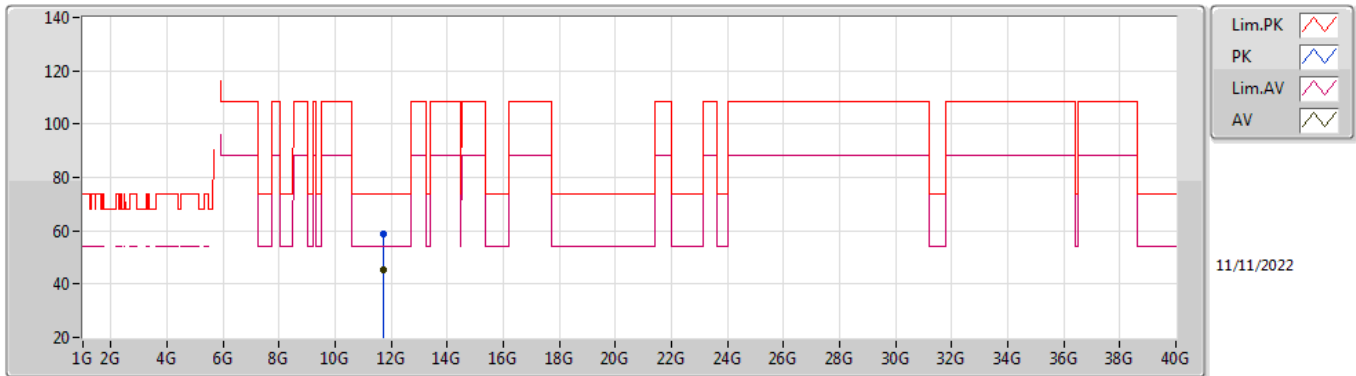


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.72799G	58.90	74.00	-15.10	41.49	3	Vertical	301	2.24	-	39.43	12.95	34.97
AV	11.73123G	45.09	54.00	-8.91	27.69	3	Vertical	301	2.24	-	39.43	12.95	34.98

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5865MHz_TX

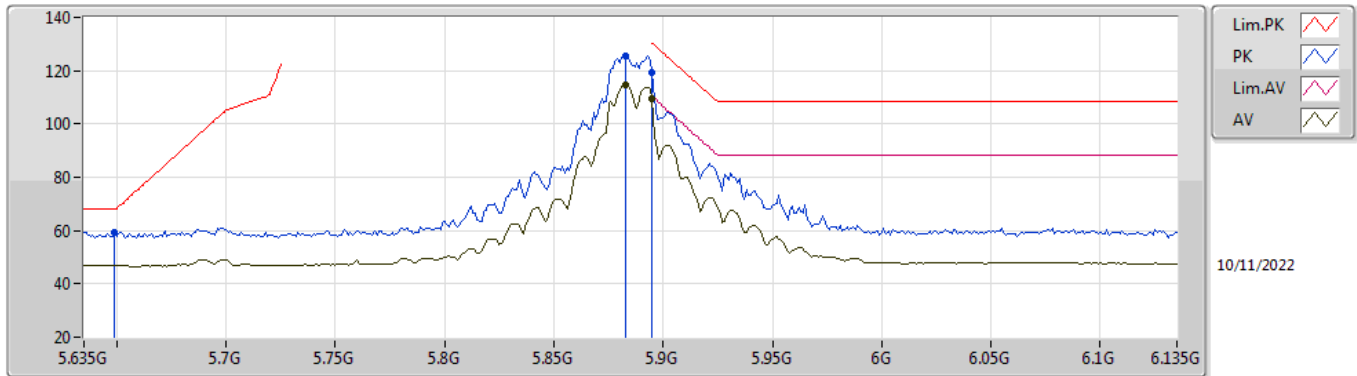


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.7282G	58.81	74.00	-15.19	41.40	3	Horizontal	251	2.60	-	39.43	12.95	34.97
AV	11.72783G	45.18	54.00	-8.82	27.77	3	Horizontal	251	2.60	-	39.43	12.95	34.97

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5885MHz_TX

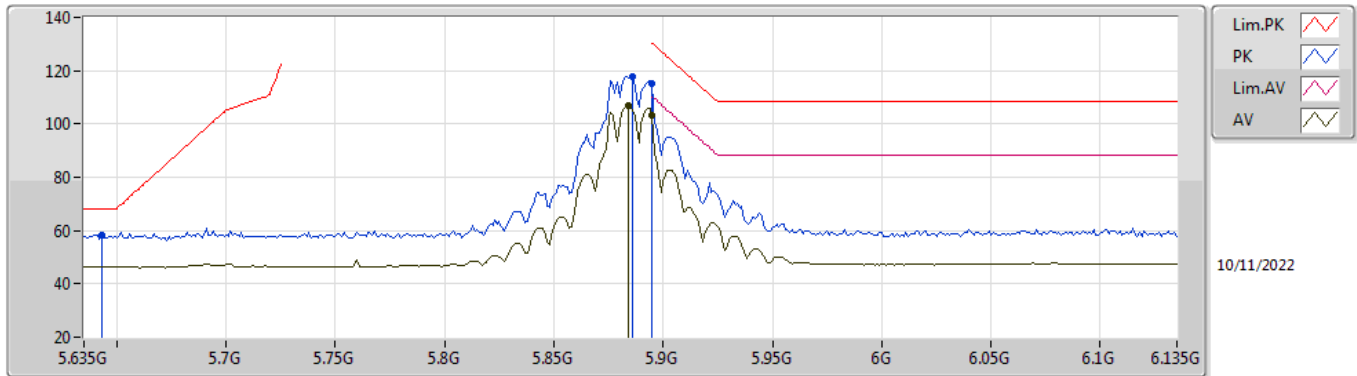


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.649G	59.28	68.20	-8.92	52.55	3	Vertical	199	2.93	-	34.50	7.12	34.89
PK	5.883G	125.77	Inf	-Inf	118.97	3	Vertical	199	2.93	-	34.50	7.24	34.94
AV	5.883G	114.71	Inf	-Inf	107.91	3	Vertical	199	2.93	-	34.50	7.24	34.94
PK	5.895G	119.48	130.20	-10.72	112.61	3	Vertical	199	2.93	-	34.57	7.25	34.95
AV	5.895G	109.70	110.20	-0.50	102.83	3	Vertical	199	2.93	-	34.57	7.25	34.95

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5885MHz_TX

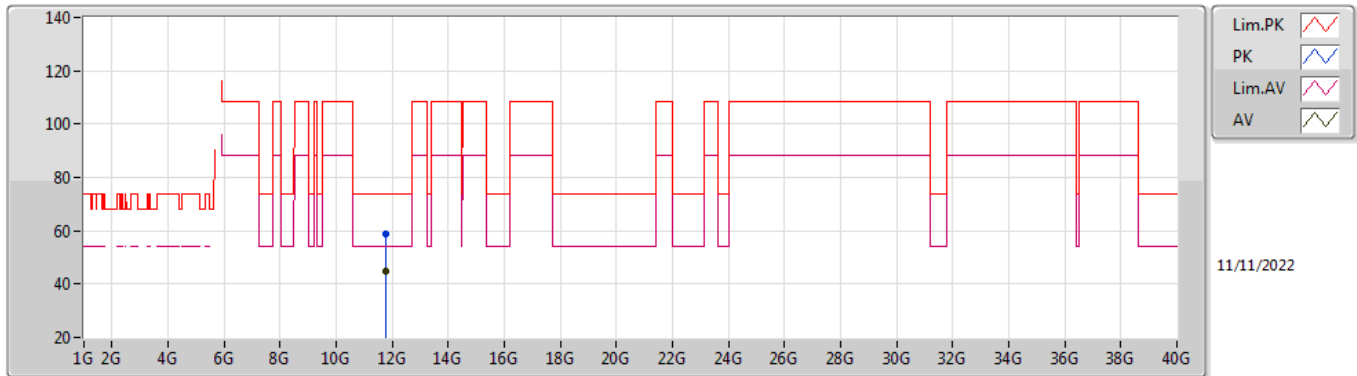


EUT_Z_2TX
Setting 30
03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.643G	58.42	68.20	-9.78	51.68	3	Horizontal	232	2.93	-	34.51	7.12	34.89
PK	5.886G	117.77	Inf	-Inf	110.95	3	Horizontal	232	2.93	-	34.52	7.24	34.94
AV	5.884G	106.69	Inf	-Inf	99.89	3	Horizontal	232	2.93	-	34.50	7.24	34.94
PK	5.895G	115.27	130.20	-14.93	108.40	3	Horizontal	232	2.93	-	34.57	7.25	34.95
AV	5.895G	103.43	110.20	-6.77	96.56	3	Horizontal	232	2.93	-	34.57	7.25	34.95

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5885MHz_TX

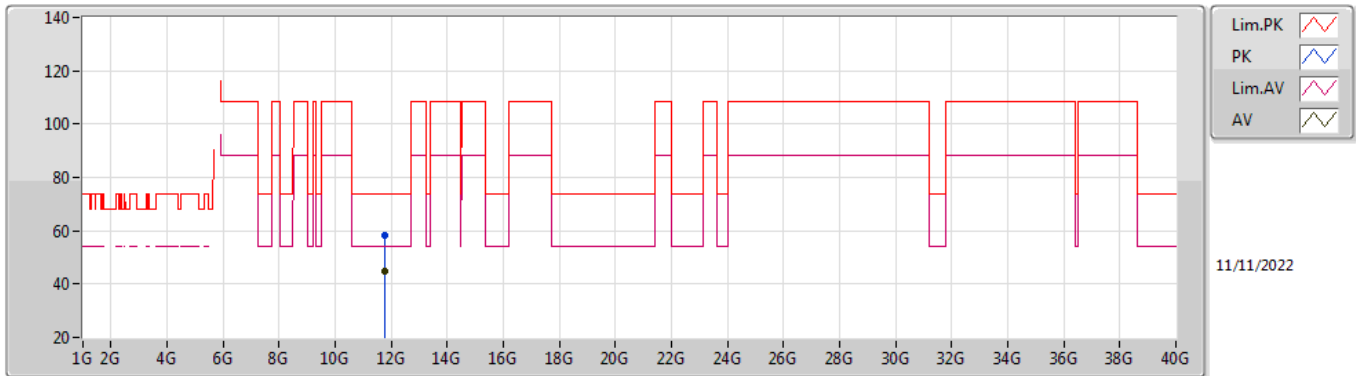


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.76946G	58.91	74.00	-15.09	41.46	3	Vertical	340	1.57	-	39.47	12.97	34.99
AV	11.7698G	45.06	54.00	-8.94	27.61	3	Vertical	340	1.57	-	39.47	12.97	34.99

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5885MHz_TX

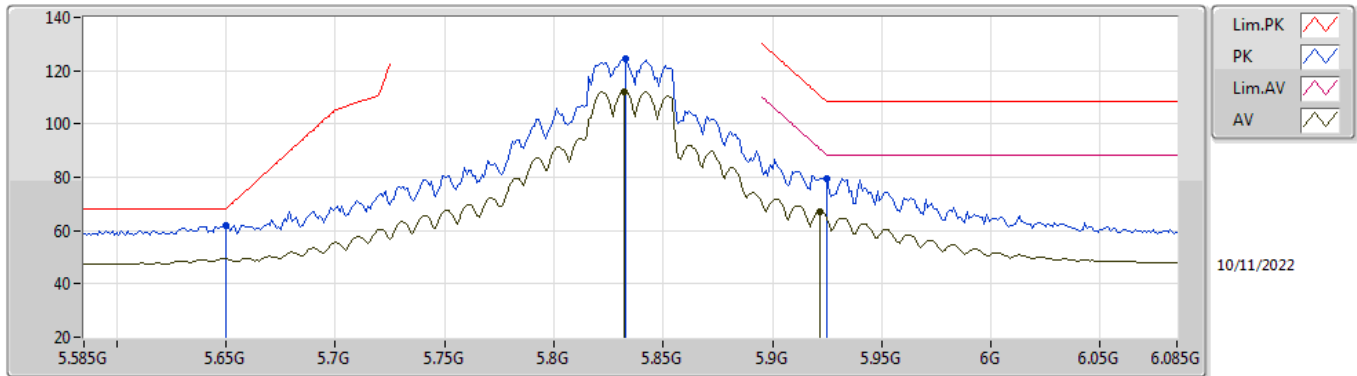


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.77138G	58.51	74.00	-15.49	41.07	3	Horizontal	116	2.66	-	39.47	12.97	35.00
AV	11.7725G	44.94	54.00	-9.06	27.50	3	Horizontal	116	2.66	-	39.47	12.97	35.00

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5835MHz_TX

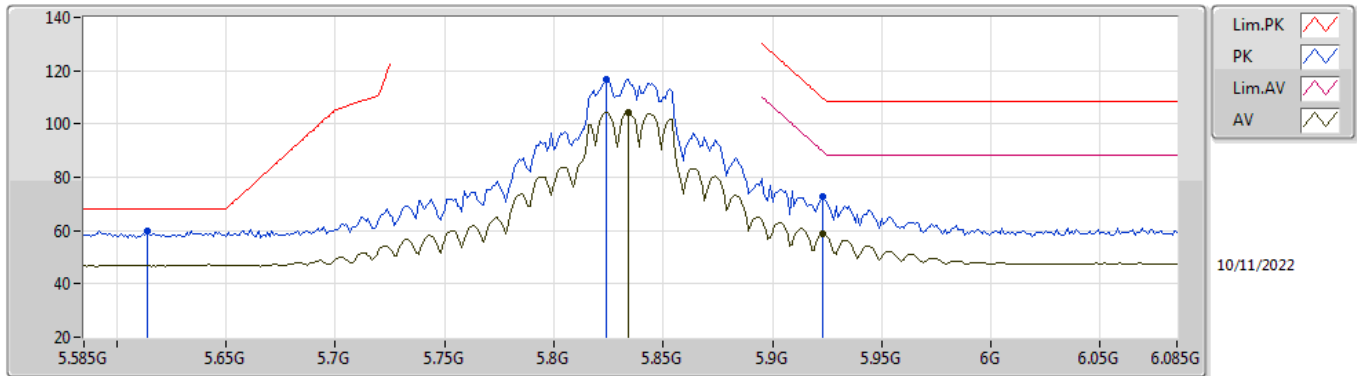


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	62.15	68.20	-6.05	55.42	3	Vertical	201	2.79	-	34.50	7.12	34.89
PK	5.833G	124.55	Inf	-Inf	117.99	3	Vertical	201	2.79	-	34.27	7.22	34.93
AV	5.832G	112.21	Inf	-Inf	105.66	3	Vertical	201	2.79	-	34.26	7.22	34.93
PK	5.925G	79.51	108.20	-28.69	72.50	3	Vertical	201	2.79	-	34.70	7.26	34.95
AV	5.922G	67.23	90.40	-23.17	60.23	3	Vertical	201	2.79	-	34.69	7.26	34.95

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5835MHz_TX

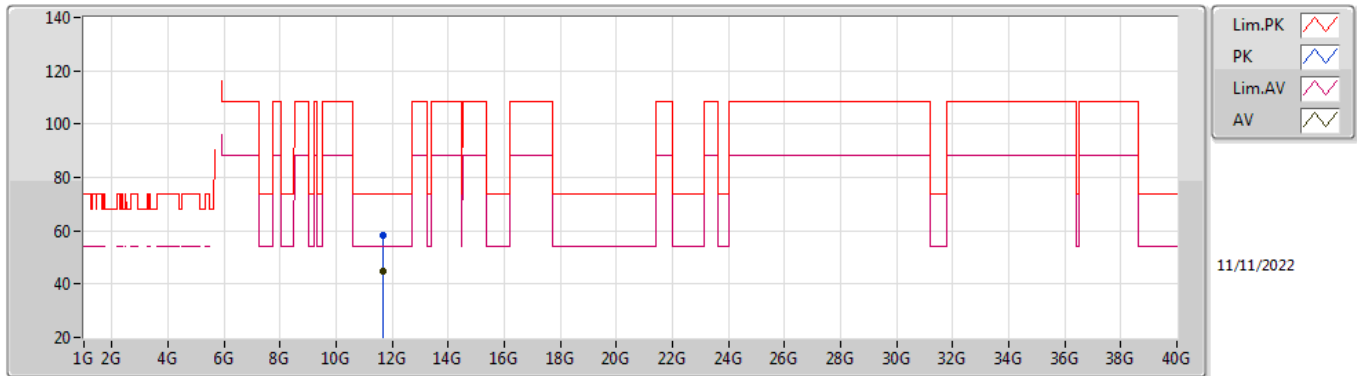


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.614G	60.00	68.20	-8.20	53.21	3	Horizontal	233	3.00	-	34.57	7.11	34.89
PK	5.824G	116.89	Inf	-Inf	110.36	3	Horizontal	233	3.00	-	34.25	7.21	34.93
AV	5.834G	104.38	Inf	-Inf	97.82	3	Horizontal	233	3.00	-	34.27	7.22	34.93
PK	5.923G	72.84	109.67	-36.83	65.84	3	Horizontal	233	3.00	-	34.69	7.26	34.95
AV	5.923G	58.76	89.67	-30.91	51.76	3	Horizontal	233	3.00	-	34.69	7.26	34.95

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5835MHz_TX

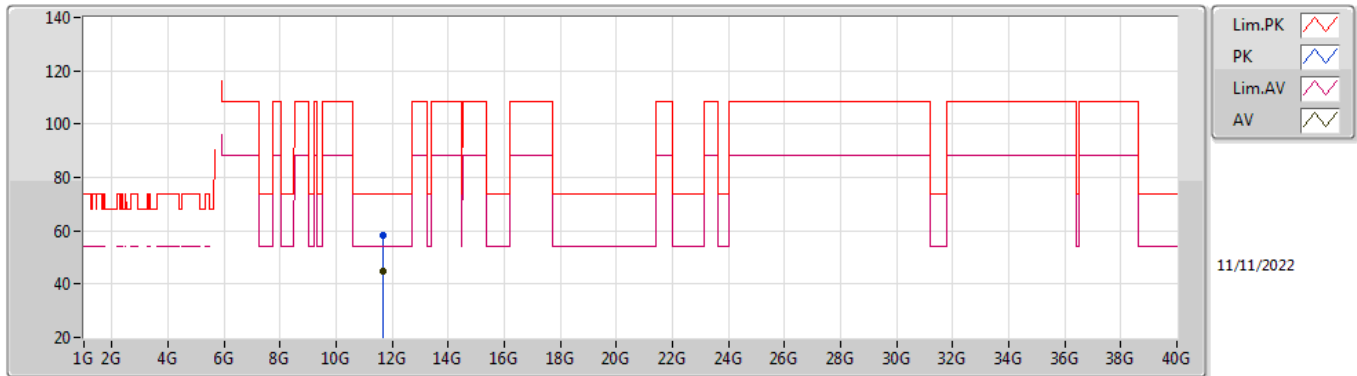


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.67115G	58.38	74.00	-15.62	41.01	3	Vertical	105	2.30	-	39.40	12.92	34.95
AV	11.66946G	45.08	54.00	-8.92	27.70	3	Vertical	105	2.30	-	39.40	12.92	34.94

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5835MHz_TX

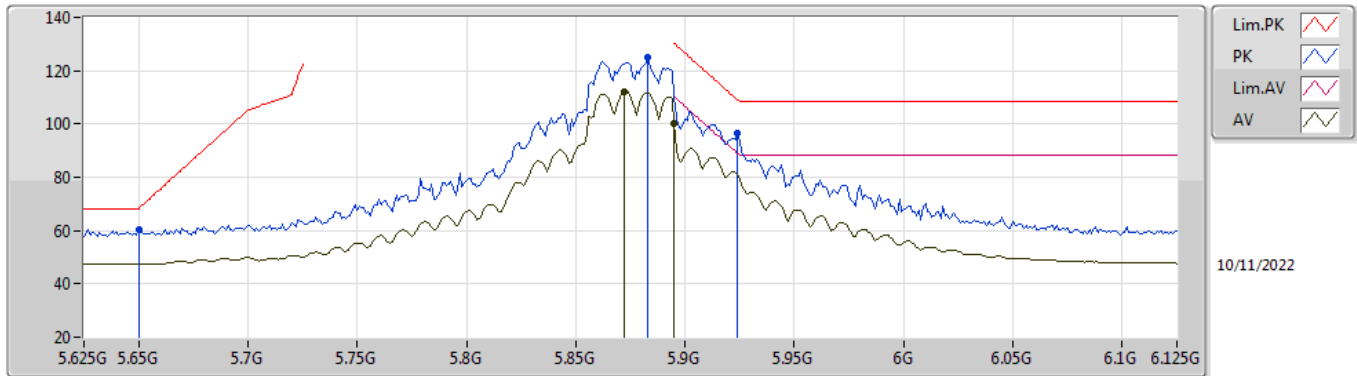


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.67199G	58.34	74.00	-15.66	40.97	3	Horizontal	141	2.11	-	39.40	12.92	34.95
AV	11.66845G	45.02	54.00	-8.98	27.64	3	Horizontal	141	2.11	-	39.40	12.92	34.94

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5875MHz_TX

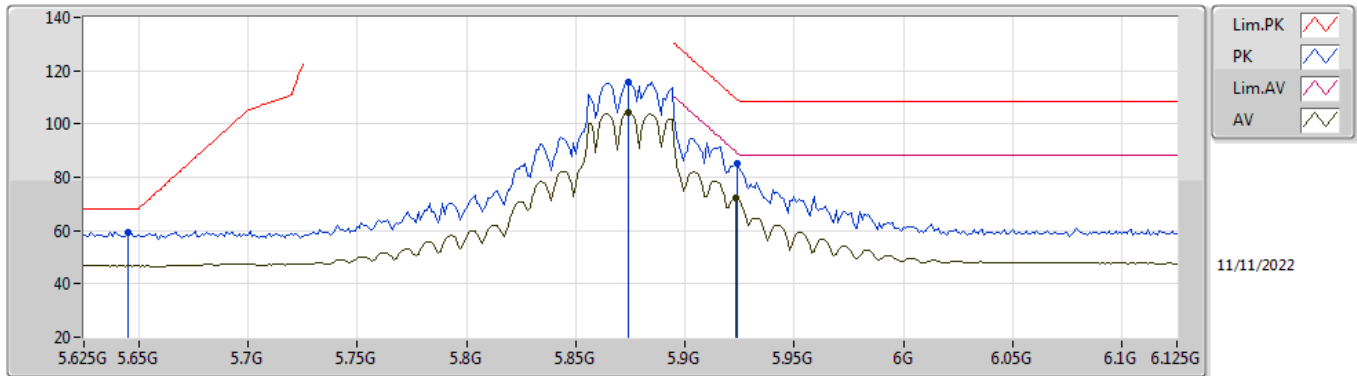


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	60.29	68.20	-7.91	53.56	3	Vertical	200	2.89	-	34.50	7.12	34.89
PK	5.883G	125.05	Inf	-Inf	118.25	3	Vertical	200	2.89	-	34.50	7.24	34.94
AV	5.872G	111.87	Inf	-Inf	105.14	3	Vertical	200	2.89	-	34.43	7.24	34.94
AV	5.895G	100.31	110.20	-9.89	93.44	3	Vertical	200	2.89	-	34.57	7.25	34.95
PK	5.924G	96.54	108.93	-12.39	89.53	3	Vertical	200	2.89	-	34.70	7.26	34.95

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5875MHz_TX

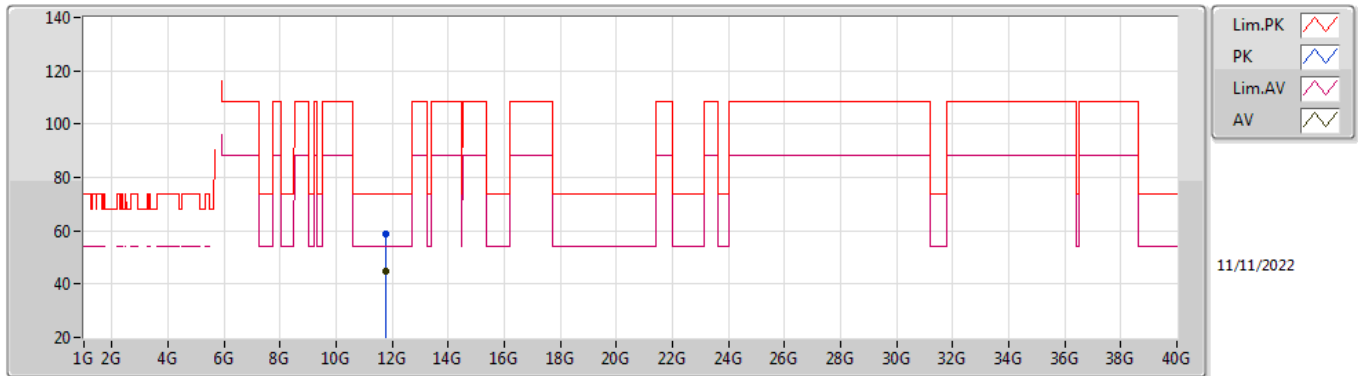


EUT_Z_2TX
 Setting 30
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.645G	59.33	68.20	-8.87	52.59	3	Horizontal	232	2.92	-	34.51	7.12	34.89
PK	5.874G	115.81	Inf	-Inf	109.07	3	Horizontal	232	2.92	-	34.44	7.24	34.94
AV	5.874G	104.26	Inf	-Inf	97.52	3	Horizontal	232	2.92	-	34.44	7.24	34.94
PK	5.924G	85.33	108.93	-23.60	78.32	3	Horizontal	232	2.92	-	34.70	7.26	34.95
AV	5.923G	72.23	89.67	-17.44	65.23	3	Horizontal	232	2.92	-	34.69	7.26	34.95

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5875MHz_TX

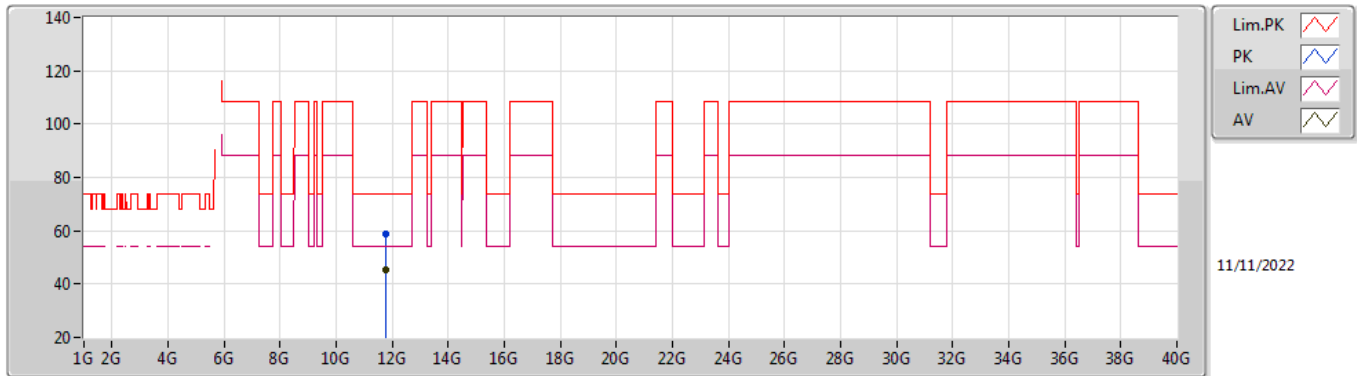


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.74979G	58.71	74.00	-15.29	41.28	3	Vertical	138	2.63	-	39.45	12.96	34.98
AV	11.74905G	45.06	54.00	-8.94	27.63	3	Vertical	138	2.63	-	39.45	12.96	34.98

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5875MHz_TX

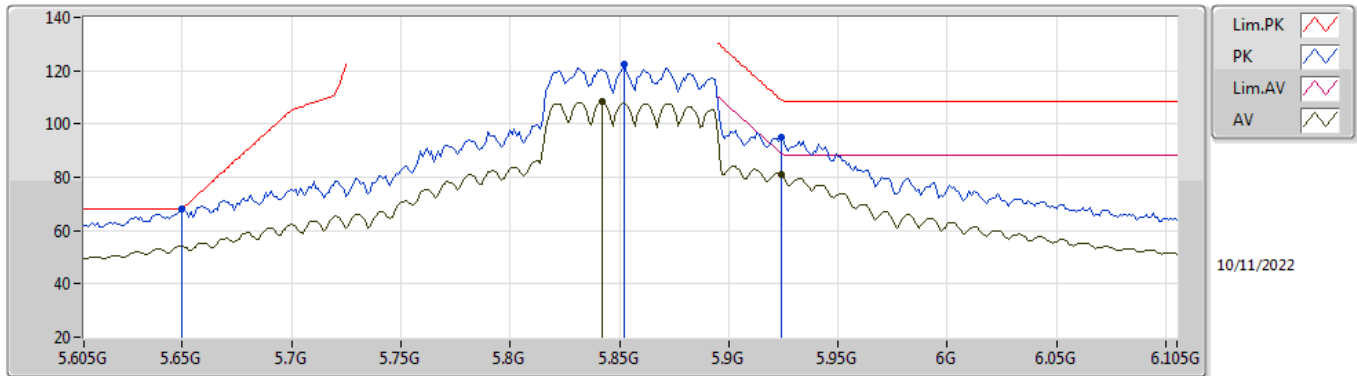


EUT_Z_2TX
 Setting 30
 03-D-B-2

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	11.75178G	58.89	74.00	-15.11	41.47	3	Horizontal	157	1.05	-	39.45	12.96	34.99
AV	11.74775G	45.13	54.00	-8.87	27.70	3	Horizontal	157	1.05	-	39.45	12.96	34.98

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5855MHz_TX

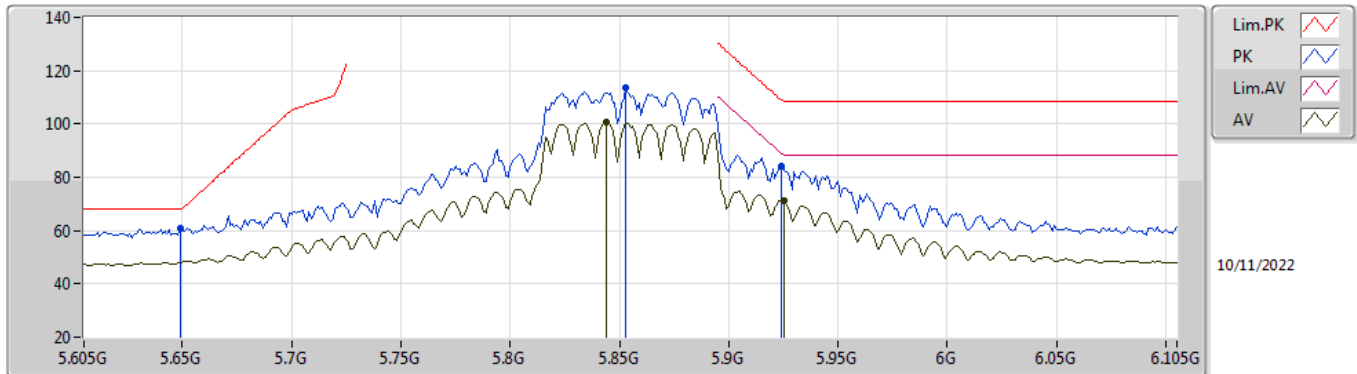


EUT_Z_2TX
 Setting 26.5
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	68.16	68.20	-0.04	61.43	3	Vertical	204	2.91	-	34.50	7.12	34.89
PK	5.852G	122.38	Inf	-Inf	115.78	3	Vertical	204	2.91	-	34.31	7.23	34.94
AV	5.842G	108.21	Inf	-Inf	101.65	3	Vertical	204	2.91	-	34.28	7.22	34.94
PK	5.924G	94.82	108.93	-14.11	87.81	3	Vertical	204	2.91	-	34.70	7.26	34.95
AV	5.924G	80.87	88.93	-8.06	73.86	3	Vertical	204	2.91	-	34.70	7.26	34.95

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5855MHz_TX

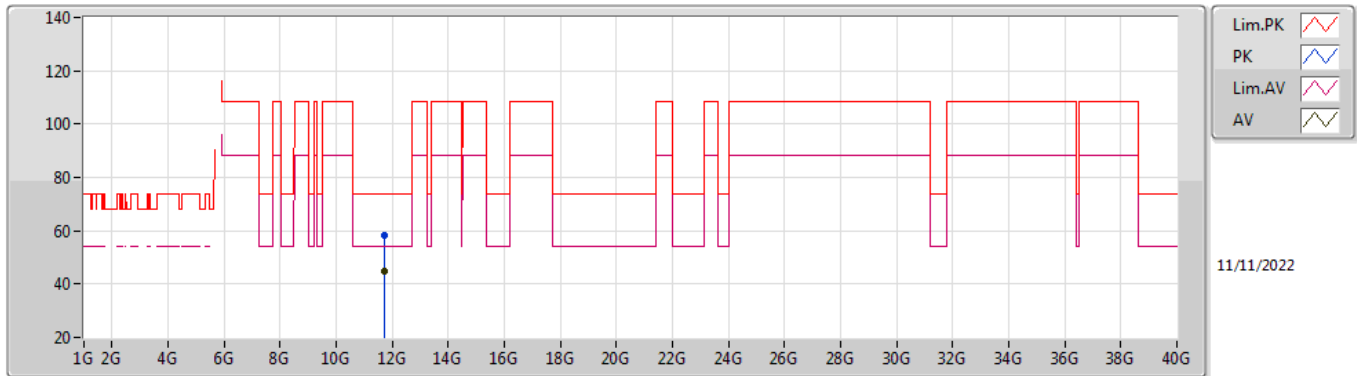


EUT_Z_2TX
 Setting 26.5
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.649G	61.05	68.20	-7.15	54.32	3	Horizontal	233	2.96	-	34.50	7.12	34.89
PK	5.853G	113.42	Inf	-Inf	106.81	3	Horizontal	233	2.96	-	34.32	7.23	34.94
AV	5.844G	100.57	Inf	-Inf	94.00	3	Horizontal	233	2.96	-	34.29	7.22	34.94
PK	5.924G	84.06	108.93	-24.87	77.05	3	Horizontal	233	2.96	-	34.70	7.26	34.95
AV	5.925G	71.18	88.20	-17.02	64.17	3	Horizontal	233	2.96	-	34.70	7.26	34.95

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5855MHz_TX

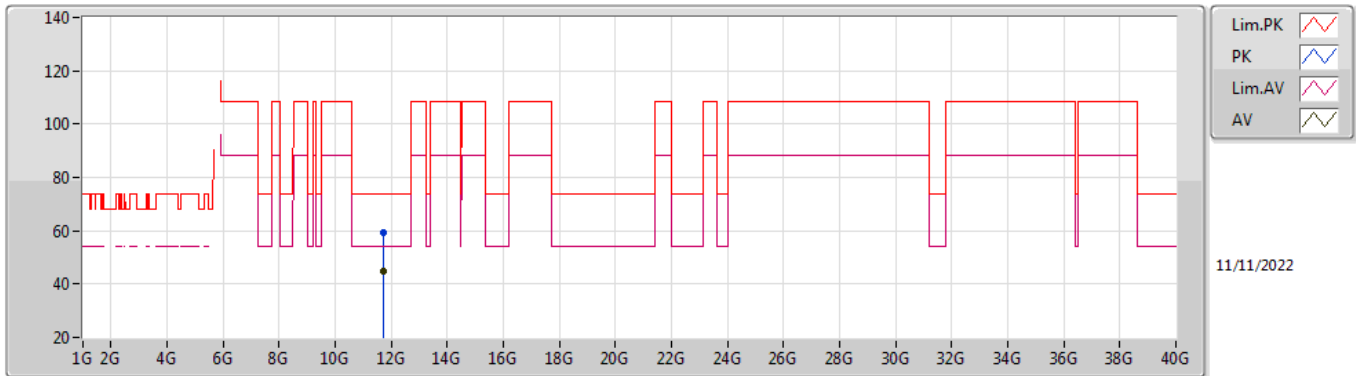


EUT_Z_2TX
 Setting 26.5
 03-D-B-2

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	11.70873G	58.29	74.00	-15.71	40.90	3	Vertical	25	2.98	-	39.41	12.94	34.96
AV	11.71133G	44.93	54.00	-9.07	27.55	3	Vertical	25	2.98	-	39.41	12.94	34.97

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5855MHz_TX

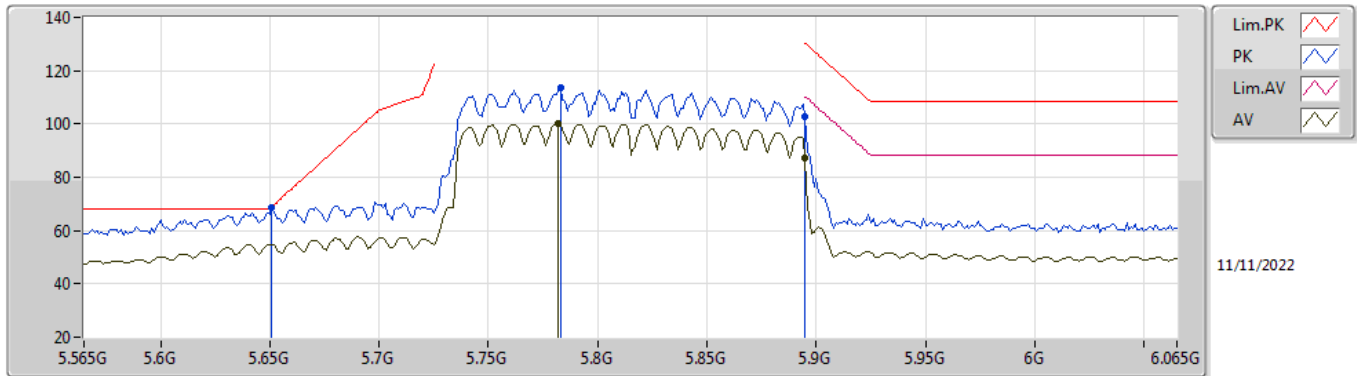


EUT_Z_2TX
 Setting 26.5
 03-D-B-2

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	11.71064G	59.52	74.00	-14.48	42.14	3	Horizontal	287	1.39	-	39.41	12.94	34.97
AV	11.71207G	44.86	54.00	-9.14	27.48	3	Horizontal	287	1.39	-	39.41	12.94	34.97

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

5815MHz_TX

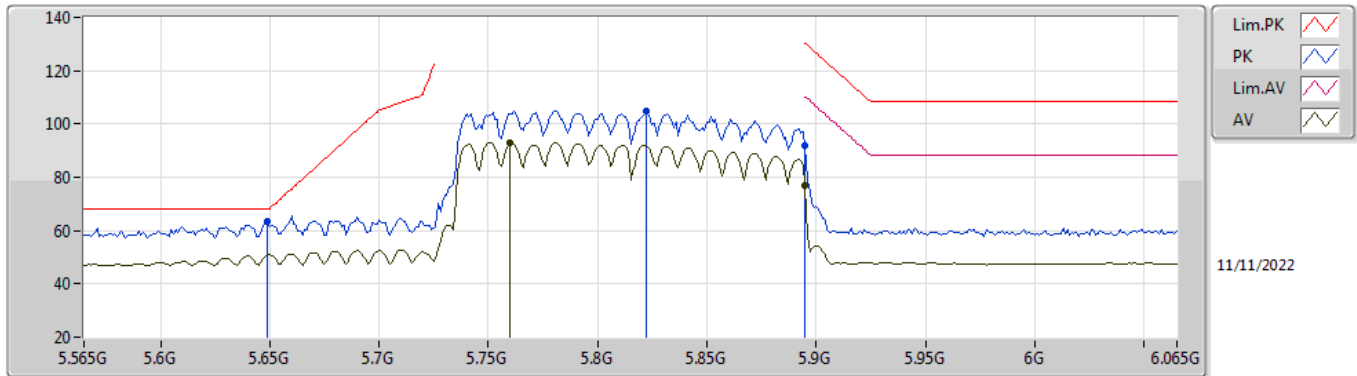


EUT_Z_2TX
 Setting 20.5
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.651G	68.50	68.94	-0.44	61.76	3	Vertical	202	2.83	-	34.50	7.13	34.89
PK	5.783G	113.40	Inf	-Inf	106.93	3	Vertical	202	2.83	-	34.20	7.19	34.92
AV	5.782G	100.20	Inf	-Inf	93.73	3	Vertical	202	2.83	-	34.20	7.19	34.92
PK	5.895G	102.57	130.20	-27.63	95.70	3	Vertical	202	2.83	-	34.57	7.25	34.95
AV	5.895G	87.28	110.20	-22.92	80.41	3	Vertical	202	2.83	-	34.57	7.25	34.95

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

5815MHz_TX

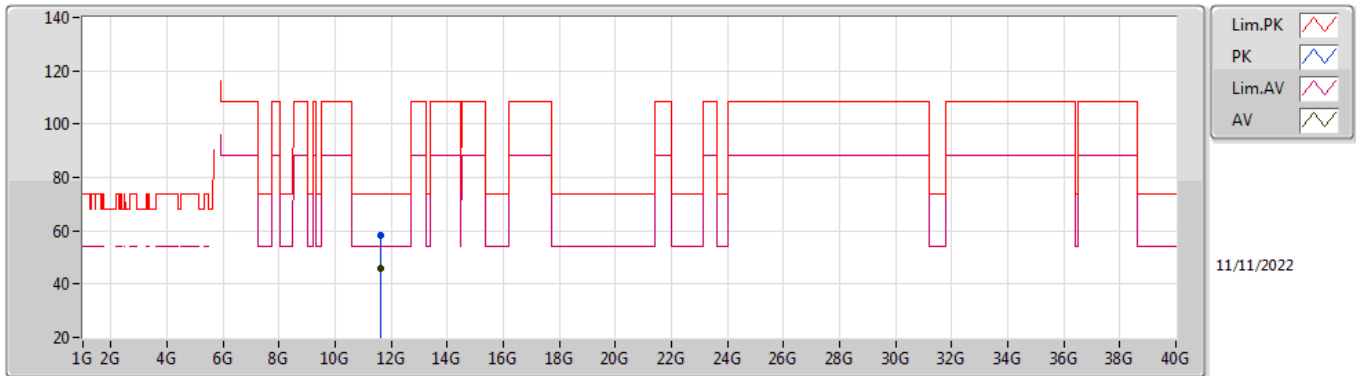


EUT_Z_2TX
 Setting 20.5
 03-D-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.649G	63.30	68.20	-4.90	56.57	3	Horizontal	198	3.00	-	34.50	7.12	34.89
PK	5.822G	104.84	Inf	-Inf	98.32	3	Horizontal	198	3.00	-	34.24	7.21	34.93
AV	5.76G	92.97	Inf	-Inf	86.51	3	Horizontal	198	3.00	-	34.20	7.18	34.92
PK	5.895G	91.68	130.20	-38.52	84.81	3	Horizontal	198	3.00	-	34.57	7.25	34.95
AV	5.895G	76.74	110.20	-33.46	69.87	3	Horizontal	198	3.00	-	34.57	7.25	34.95

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

5815MHz_TX

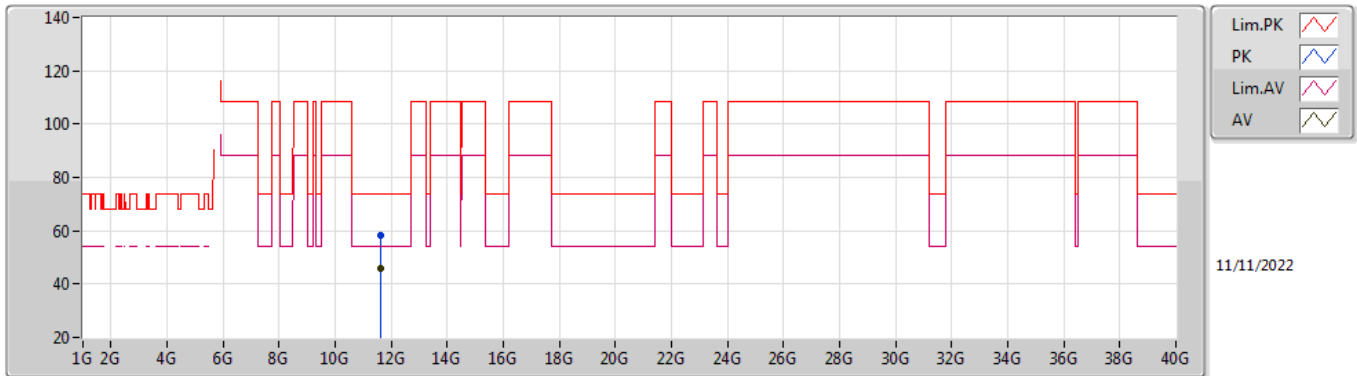


EUT_Z_2TX
 Setting 20.5
 03-D-B-2

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	11.6297G	58.17	74.00	-15.83	40.79	3	Vertical	348	1.73	-	39.40	12.90	34.92
AV	11.63006G	46.10	54.00	-7.90	28.73	3	Vertical	348	1.73	-	39.40	12.90	34.93

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

5815MHz_TX



EUT_Z_2TX
 Setting 20.5
 03-D-B-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	11.6297G	58.24	74.00	-15.76	40.86	3	Horizontal	94	1.73	-	39.40	12.90	34.92
AV	11.63G	46.01	54.00	-7.99	28.63	3	Horizontal	94	1.73	-	39.40	12.90	34.92