

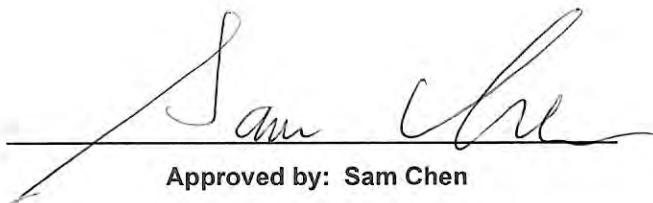


RADIO TEST REPORT

FCC ID : VW3FAST5295
Equipment : WiFi 6E Router
Brand Name : SAGEMCOM
Model Name : SAX2V1S
Applicant : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Manufacturer : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Standard : 47 CFR FCC Part 15.407

The product was received on Jul. 01, 2022, and testing was started from Oct. 03, 2022 and completed on Nov. 29, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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Photographs of EUT v01



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum EIRP Output Power	PASS	-
3.4	15.407(a)	EIRP Power Spectral Density	PASS	-
3.5	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: Sandy Chuang



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	4TX
5.725-5.895GHz	802.11n HT20	20	4TX
5.725-5.895GHz	802.11n HT20-BF	20	4TX
5.725-5.895GHz	802.11ac VHT20	20	4TX
5.725-5.895GHz	802.11ac VHT20-BF	20	4TX
5.725-5.895GHz	802.11ax HEW20	20	4TX
5.725-5.895GHz	802.11ax HEW20-BF	20	4TX
5.725-5.895GHz	802.11n HT40	40	4TX
5.725-5.895GHz	802.11n HT40-BF	40	4TX
5.725-5.895GHz	802.11ac VHT40	40	4TX
5.725-5.895GHz	802.11ac VHT40-BF	40	4TX
5.725-5.895GHz	802.11ax HEW40	40	4TX
5.725-5.895GHz	802.11ax HEW40-BF	40	4TX
5.725-5.895GHz	802.11ac VHT80	80	4TX
5.725-5.895GHz	802.11ac VHT80-BF	80	4TX
5.725-5.895GHz	802.11ax HEW80	80	4TX
5.725-5.895GHz	802.11ax HEW80-BF	80	4TX
5.725-5.895GHz	802.11ac VHT160	160	4TX
5.725-5.895GHz	802.11ac VHT160-BF	160	4TX
5.725-5.895GHz	802.11ax HEW160	160	4TX
5.725-5.895GHz	802.11ax HEW160-BF	160	4TX



Note:

- ◆ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ VHT20, VHT40, VHT80, VHT 160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ◆ HEW20, HEW40, HEW80, 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	Ant. Type	Connector	Modes of Operation
	2.4GHz	5GHz	6GHz	GPS					
1	1	1	-	-	GALTRONICS	DB1	PIFA	I-PEX	2.4GHz and 5GHz UNII1~UNII4
2	2	3	-	-	GALTRONICS	DB2	PIFA	I-PEX	
3	3	2	-	-	GALTRONICS	DB3	PIFA	I-PEX	
4	4	4	-	-	GALTRONICS	DB4	PIFA	I-PEX	
5	-	5	1	-	GALTRONICS	ANT1	PIFA	I-PEX	5GHz UNII1~UNII4 and 6GHz UNII5~8
6	-	6	2	-	GALTRONICS	ANT2	PIFA	I-PEX	
7	-	7	3	-	GALTRONICS	ANT3	PIFA	I-PEX	
8	-	8	4	-	GALTRONICS	ANT4	PIFA	I-PEX	
9	-	-	5	-	GALTRONICS	6G1	PIFA	I-PEX	6GHz UNII5~8
10	-	-	6	-	GALTRONICS	6G2	PIFA	I-PEX	
11	-	-	7	-	GALTRONICS	6G3	PIFA	I-PEX	
12	-	-	8	-	GALTRONICS	6G4	PIFA	I-PEX	
13	-	-	-	1	GALTRONICS	GNSS	PIFA	I-PEX	GPS

<Antenna Gain>

Ant.	Antenna Gain (dBi)										
	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3	5GHz UNII 4	6GHz UNII 5	6GHz UNII 6	6GHz UNII 7	6GHz UNII 8	GPS
1	1.86	2.95	1.8	2.24	2.33	2.14	-	-	-	-	-
2	1.63	2.31	3.25	3.39	3.62	3.56	-	-	-	-	-
3	4.5	4.86	4.24	3.23	3.43	3.43	-	-	-	-	-
4	4.78	3.95	3.04	2.54	3.38	2.73	-	-	-	-	-
5	-	4.89	4.29	3.5	3.99	4.43	4.46	4.1	4.5	3.33	-
6	-	2.94	2.93	3.09	4.31	3.75	2.63	2.79	2.83	2.96	-
7	-	3.55	3.53	4.34	3.5	4.11	3.71	2.18	3.63	2.99	-
8	-	5.48	5.08	5.06	5.28	6.24	4.66	4.23	5.31	4.77	-
9	-	-	-	-	-	-	1.06	1.02	1.1	1.1	-
10	-	-	-	-	-	-	1.45	1.02	1.12	1.65	-
11	-	-	-	-	-	-	3.34	1.84	2.05	2	-
12	-	-	-	-	-	-	3.37	2.58	4	3.68	-
13	-	-	-	-	-	-	-	-	-	-	3.82



<Directional Gain>

DG	Directional Gain (dBi)	
	2.4GHz	
DG [1SS]	4.98	

DG	Directional Gain (dBi)				
	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHzUNII 3	5GHzUNII 4
DG [1SS] (dBi) option1	5.25	5.26	4.44	5.26	5.59
DG [1SS] (dBi) option2	4.55	3.75	3.74	4.17	4.69
DG [1SS] (dBi) option3	4.91	4.31	3.85	4.32	5.08
DG [1SS] (dBi) option4	4.24	3.9	3.94	4.18	3.74
DG [1SS] (dBi) option5	5.68	5.35	5.23	5.66	5.09
DG [1SS] (dBi) option6	4.33	3.54	4.19	4.43	4.65
DG [1SS] (dBi) option7	4.69	4.96	5.17	4.77	5.18
DG [1SS] (dBi) option8	5.57	4.88	3.91	4.79	3.91
DG [1SS] (dBi) option9	5.29	5.67	5.86	7.08	7.24
DG [1SS] (dBi) option10	5.4	5.15	4.82	5.9	6.13
DG [1SS] (dBi) option11	3.19	2.89	3.34	4.23	4.55
DG [1SS] (dBi) option12	3.92	3.82	4.46	4.85	3.91
DG [1SS] (dBi) option13	5.09	5.35	6.02	6.53	6.68
DG [1SS] (dBi) option14	5.38	5.06	4.88	5.52	5.48
DG [1SS] (dBi) option15	4.98	3.51	3.36	3.45	3.78
DG [1SS] (dBi) option16	5.18	4.17	3.71	4.56	4.08

DG	Directional Gain (dBi)			
	6GHz UNII 5	6GHz UNII 6	6GHz UNII 7	6GHz UNII 8
DG [1SS] (dBi) option1	3.24	4.73	5.38	4.81
DG [1SS] (dBi) option2	3.18	2.58	2.24	2.9
DG [1SS] (dBi) option3	4.66	4.96	5.5	4.76
DG [1SS] (dBi) option4	3.85	2.63	1.94	2.67
DG [1SS] (dBi) option5	3.51	4.15	5.24	4.73
DG [1SS] (dBi) option6	2.15	1.96	3.14	3.58
DG [1SS] (dBi) option7	4.02	4.2	5.36	4.74
DG [1SS] (dBi) option8	3.54	2.12	3.2	3.37
DG [1SS] (dBi) option9	3.44	4.17	4.41	4.33
DG [1SS] (dBi) option10	3.2	2.38	2.87	2.45
DG [1SS] (dBi) option11	5.12	4.52	4.55	5.1
DG [1SS] (dBi) option12	4.71	2.62	3.8	4.36
DG [1SS] (dBi) option13	3.46	3.87	4.44	4.12
DG [1SS] (dBi) option14	2.19	1.77	3.2	3.21
DG [1SS] (dBi) option15	5.9	4.24	4.58	5.05
DG [1SS] (dBi) option16	5.52	2.37	3.47	4.3



Note1: Maximum Directional Gain following KDB662911 D03.

Note2: The EUT doesn't enable the DFS band at this time.

Note3: The Ant. 13 for GPS used.

Note4: **<WLAN 2.4GHz function>**

For IEEE 802.11 b/g/n/VHT/ax (4TX/4RX):

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

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

<WLAN 5GHz function>

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

Port 1~8 can be used as transmitting/receiving antenna.

There are only four ports to be used at the same time.

UNII1

Port 1, Port 3, Port 6 and Port 7 generated the worst case, so it was selected to perform the test and its test result was written in the report.

UNII2C

Port 1, Port 3, Port 6 and Port 8 generated the worst case, so it was selected to perform the test and its test result was written in the report.

UNII2A and UNII3~4

Port 1, Port 3, Port 5 and Port 8 generated the worst case, so it was selected to perform the test and its test result was written in the report.

<WLAN 6GHz function>

For IEEE 802.11ax (4TX/4RX):

Port 1~8 can be used as transmitting/receiving antenna.

There are only four ports to be used at the same time.

UNII5

Port 1, Port 4, Port 6 and Port 8 generated the worst case, so it was selected to perform the test and its test result was written in the report.

UNII6~7

Port 1, Port 4, Port 5 and Port 7 generated the worst case, so it was selected to perform the test and its test result was written in the report.

UNII8

Port 1, Port 4, Port 5 and Port 8 generated the worst case, so it was selected to perform the test and its test result was written in the report.



1.1.3 Table of Antenna Configuration

The configuration of antenna option 1~16 are follows:

<For Ant.1~Ant.8>

Table with 8 columns (Option 1-8) and 8 rows of antenna configurations.

<For Ant.5~Ant.12>

Table with 8 columns (Option 1-8) and 8 rows of antenna configurations.

Note 1: The above information was declared by the manufacturer.

Note 2:

The directional gain of the maximum was selected to test.

<For Ant.1~Ant.8> Option 5 for 5GHz UNII1 and option 9 for 5GHz UNII3~4 have been tested and recorded in the test report.

<For Ant.5~Ant.12> Option 15 for 6GHz UNII5, Option 3 for 6GHz UNII6~7 and Option 11 for 6GHz UNII8 have been tested and recorded in the test report.

**1.1.4 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.951	0.22	2.065m	1k
802.11ac VHT20	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.972	0.12	952.5u	3k
802.11ac VHT80	0.942	0.26	460.625u	3k
802.11ax HEW160	0.894	0.49	236.563u	10k
802.11ax HEW20	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.964	0.16	780.625u	3k
802.11ac VHT160	0.9	0.46	252.5u	10k

Note:

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

1.1.5 EUT Operational Condition

EUT Power Type	From Power Adapter	
Beamforming Function	<input checked="" type="checkbox"/> With beamforming	<input type="checkbox"/> Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz UNII 1/UNII 3~4, and ax in 6GHz UNII 5~UNII 8.	
Function	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/> Point-to-point
Device Type	<input checked="" type="checkbox"/> Indoor Access Point	<input 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	Access Manual Tool 3.2.1.1	

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ 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 D03 v01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 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	Sean Ku	21.5~23.3 / 63~66	Oct. 25, 2022~ Nov. 05, 2022
Radiated <Below 1GHz>	03CH05-CB	KJ Chang	23.5~24 / 56~59	Oct. 03, 2022~ Nov. 12, 2022
Radiated <Above 1GHz>	03CH01-CB	KJ Chang	22.5~23.9 / 57~62	Oct. 03, 2022~ Nov. 12, 2022
	03CH03-CB		22.4~24.3 / 56~59	
Radiated <Co-location>	03CH05-CB	KJ Chang	23.5~24 / 56~59	Oct. 03, 2022~ Nov. 12, 2022
AC Conduction	CO01-CB	Tim Chen	23~24 / 53~54	Nov. 14, 2022~ Nov. 29, 2022



1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-beamforming mode>

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5845MHz	74
5865MHz	73
5885MHz	74
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5845MHz	75
5865MHz	74
5885MHz	74
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5835MHz	87
5875MHz	84
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5855MHz	84
802.11ac VHT160_Nss1,(MCS0)_4TX	-
5815MHz	56
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5845MHz	75
5865MHz	74
5885MHz	74
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5835MHz	87
5875MHz	84
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5855MHz	84
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5815MHz	56



<Beamforming mode>

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0_4TX	-
5845MHz	75
5865MHz	74
5885MHz	74
802.11ac VHT40-BF_Nss1,(MCS0_4TX	-
5835MHz	87
5875MHz	84
802.11ac VHT80-BF_Nss1,(MCS0_4TX	-
5855MHz	84
802.11ac VHT160-BF_Nss1,(MCS0_4TX	-
5815MHz	56
802.11ax HEW20-BF_Nss1,(MCS0_4TX	-
5845MHz	75
5865MHz	74
5885MHz	74
802.11ax HEW40-BF_Nss1,(MCS0_4TX	-
5835MHz	85
5875MHz	84
802.11ax HEW80-BF_Nss1,(MCS0_4TX	-
5855MHz	84
802.11ax HEW160-BF_Nss1,(MCS0_4TX	-
5815MHz	56

Note:

- ♦ Evaluated VHT20/VHT40/VHT80/VHT160 mode only. Due to similar modulation, the power setting of HT20/HT40 mode are the same or lower than VHT20/VHT40.
- ♦ The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been evaluated to be the worst case, so it was selected to test. The beamforming mode evaluates the output power only.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	EUT + 2.4GHz + Adapter 1
2	EUT + 2.4GHz + Adapter 2
3	EUT + 2.4GHz + Adapter 3
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT + 5GHz + Adapter 3
5	EUT + 6GHz + Adapter 3
For operating mode 3 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum EIRP Output Power EIRP Power Spectral Density Unwanted Emissions
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 for Radiated measurement<Above 1GHz>, and the worst case was found at Y axis position for 2.4GHz/5GHz and Z axis position for 6GHz.	
1	EUT in Y axis + 2.4GHz + Adapter 1
2	EUT in Y axis + 2.4GHz + Adapter 2
3	EUT in Y axis + 2.4GHz + Adapter 3
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT in Y axis + 5GHz + Adapter 3
5	EUT in Z axis + 6GHz + Adapter 3
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below:	
1	EUT in X axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT was performed at X axis, Y axis and Z axis position. EUT Y axis has been evaluated to be the worst case at Emissions in Radiated measurement <Above 1GHz> ; thus, the measurement will follow this same test configuration	
1	EUT in Y axis + 2.4GHz + 5GHz (UNII1/3/4) + 6GHz (UNII5~8)
Refer to Appendix F 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	2.4GHz + 5GHz (UNII1/3/4) + 6GHz (UNII5~8)
Refer to Sporton Test Report No.: FA263031 for Co-location RF Exposure Evaluation.	



2.3 EUT Operation during Test

For CTX mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	Brand Name	Model Name	Rating	Remark
Adapter 1	Challenger Cable Sales	PS-2.5-12-3WT3	INPUT: 100-120V~50/60Hz, 1.0A OUTPUT: 12V, 3.0A	-
Adapter 2	NetBit	NBS36J120300VU	INPUT: 100-120V~, 50/60Hz, 1.0A OUTPUT: 12.0V, 3.0A	NB06
Adapter 3	NetBit	NBS36J120300VU	INPUT: 100-120V~, 50/60Hz, 1.0A OUTPUT: 12.0V, 3.0A	NB01

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E6430	N/A

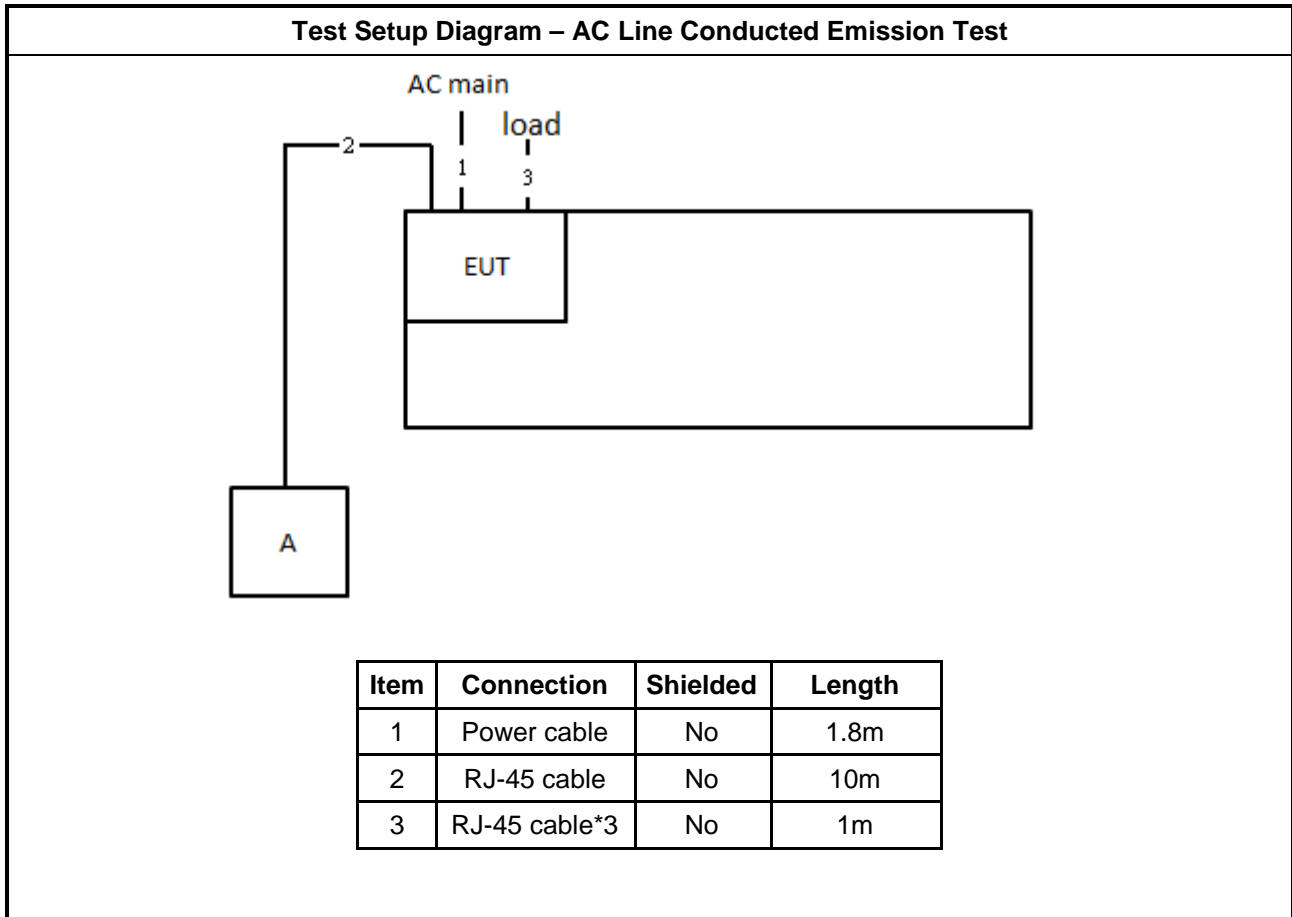
For Radiated:

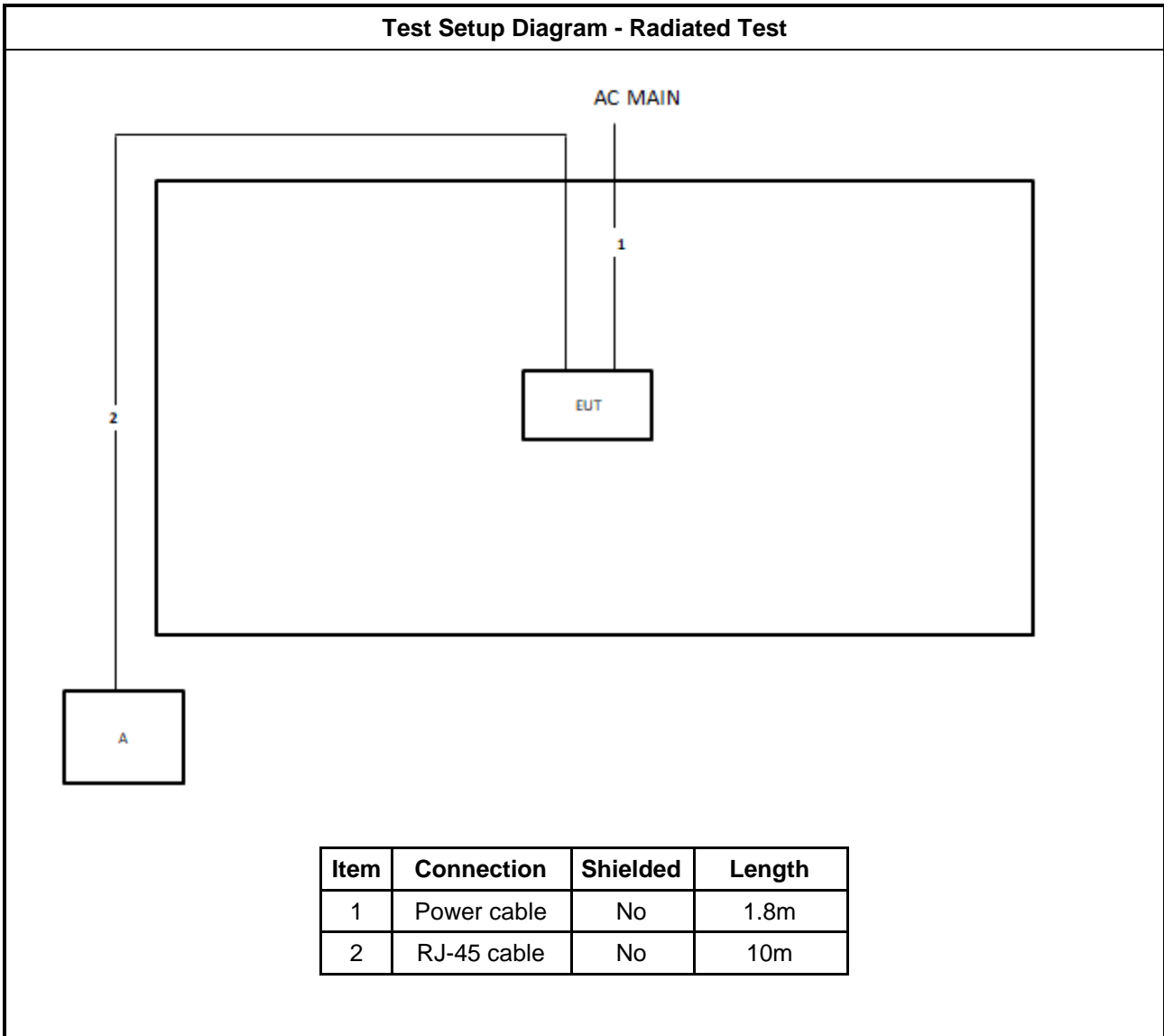
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	Lanovo	X1 Carbon	PD962205ANSU

2.6 Test Setup Diagram







3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

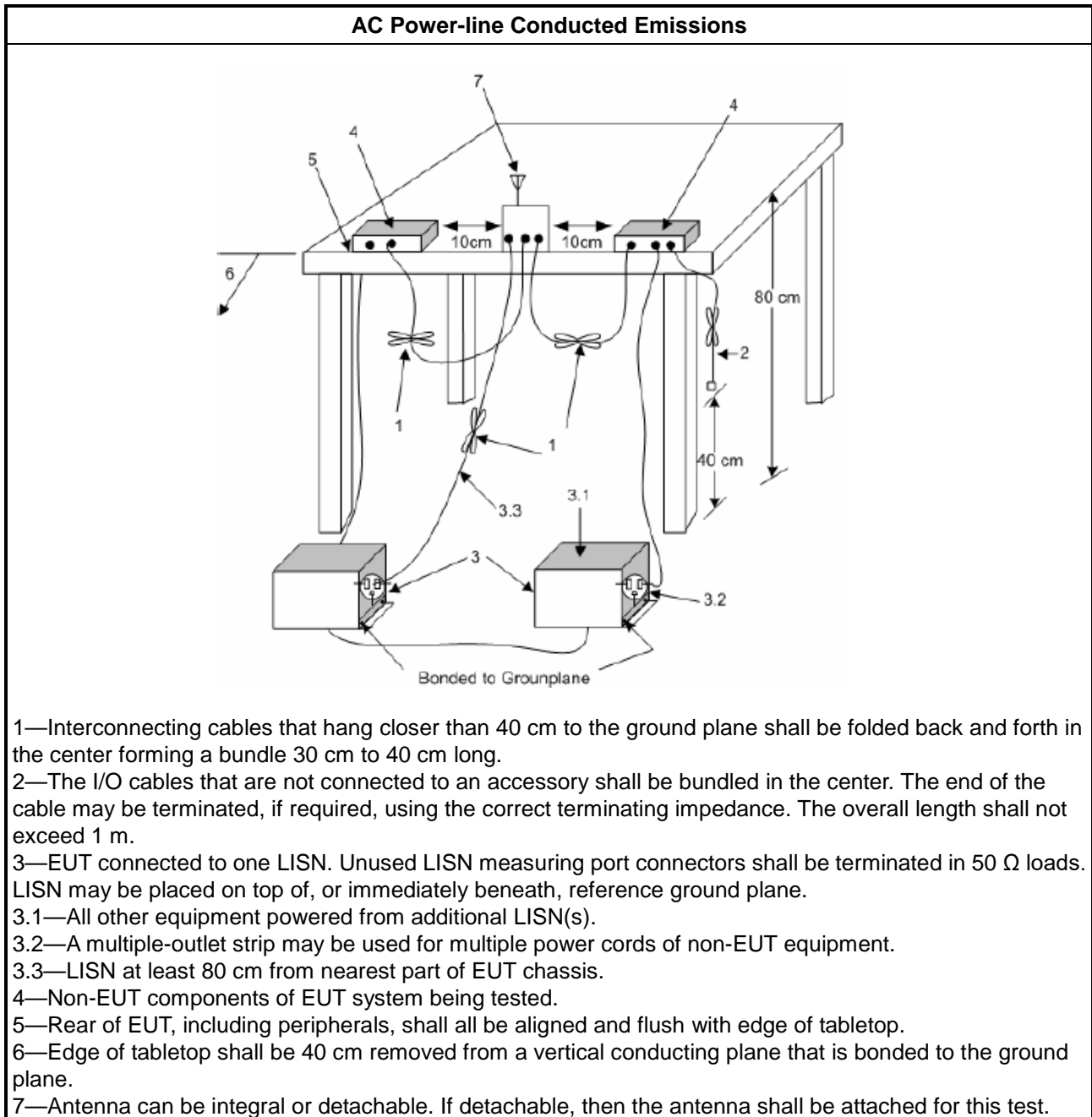
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 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 \geq 500kHz.

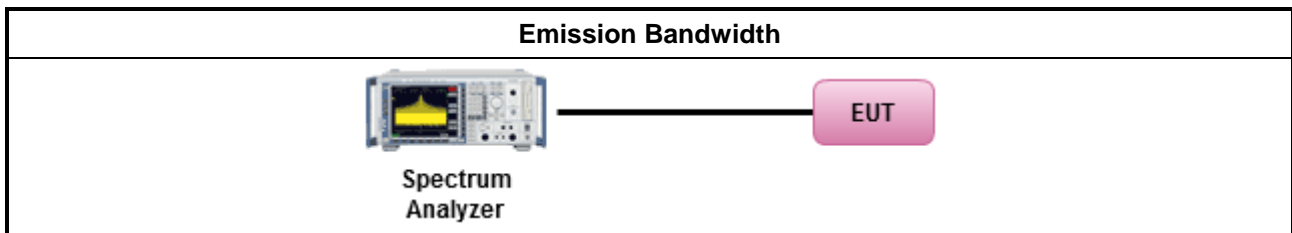
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as FCC KDB 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.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum EIRP Output Power

3.3.1 Limit

Maximum EIRP Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.85-5.895 GHz band:	
	<ul style="list-style-type: none">▪ Indoor AP & subordinate device < 36 dBm▪ Client device < 30 dBm

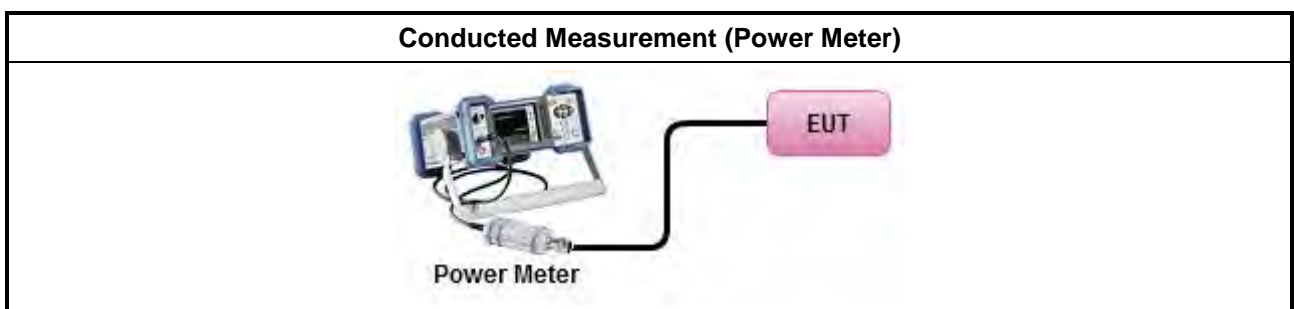
3.3.2 Measuring Instruments

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

3.3.3 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.
	<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> ▪ 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 Maximum EIRP Output Power

Refer as Appendix C



3.4 EIRP Power Spectral Density

3.4.1 Limit

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

3.4.2 Measuring Instruments

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

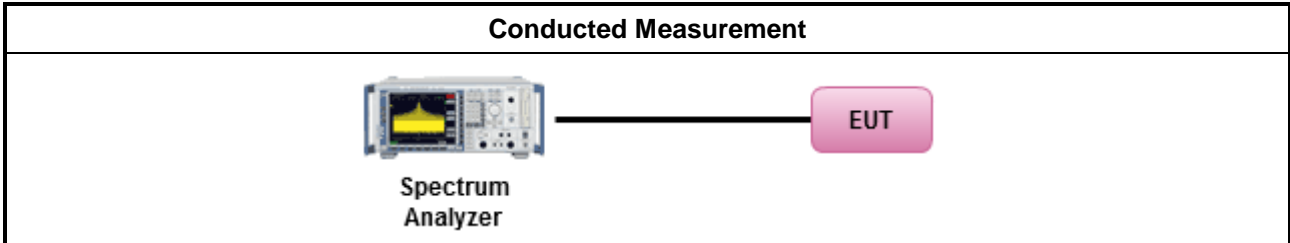


3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Peak power spectral density procedures that the same method as used to determine the conducted output power 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, F5) 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 emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
<ul style="list-style-type: none"> ▪ 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]) $EIRP_{total} = PPSD_{total} + DG$ 	
<input type="checkbox"/> For radiated measurement.	
<ul style="list-style-type: none"> ▪ 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. 	

Test Method	
	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 Test Setup



3.4.5 Test Result of EIRP Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 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).

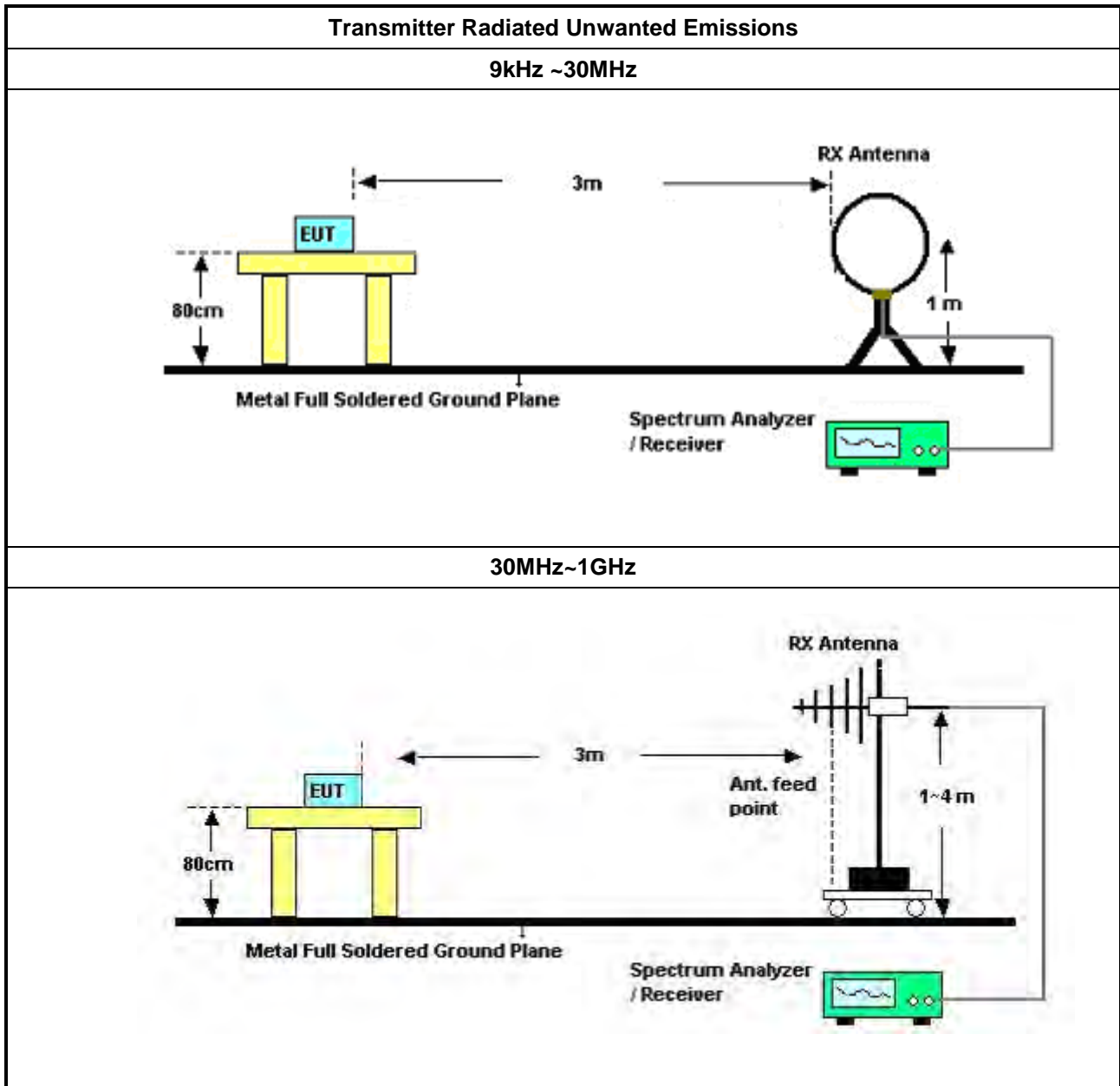
3.5.2 Measuring Instruments

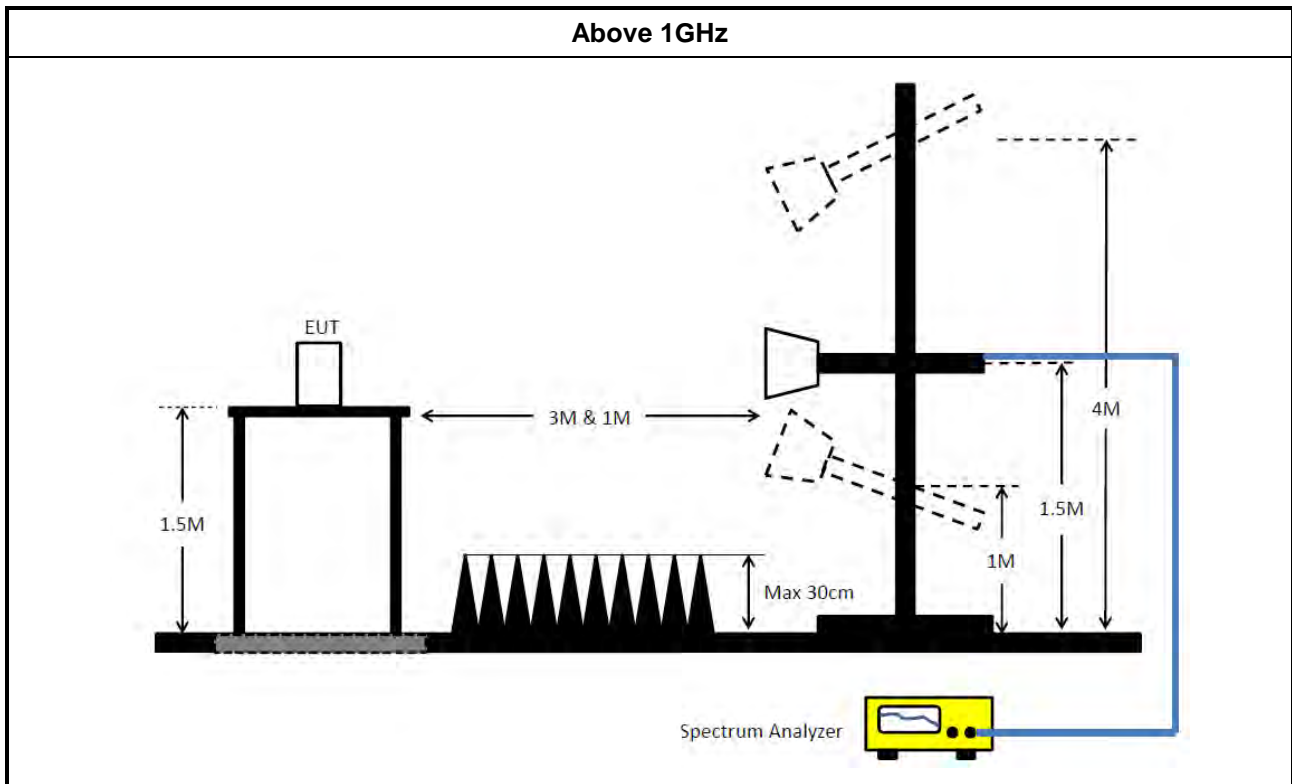
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	<ul style="list-style-type: none"> ▪ 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. 	

3.5.4 Test Setup





3.5.5 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.

3.5.6 Transmitter Unwanted Emissions (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.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 06, 2022	Nov. 05, 2023	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMC I	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	Aug. 23, 2022	Aug. 22, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Pre-Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	Aug. 23 2022	Aug. 22 2023	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
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	SCHWARZBECK	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)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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.

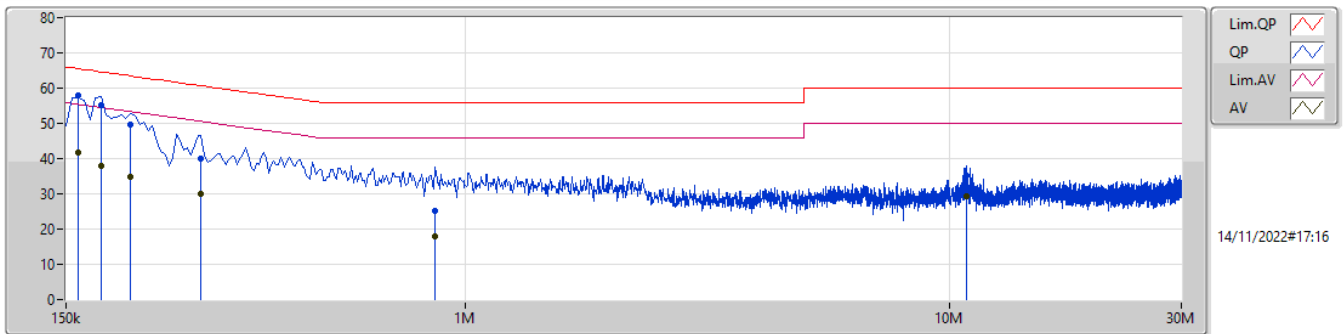
NCR means Non-Calibration required.



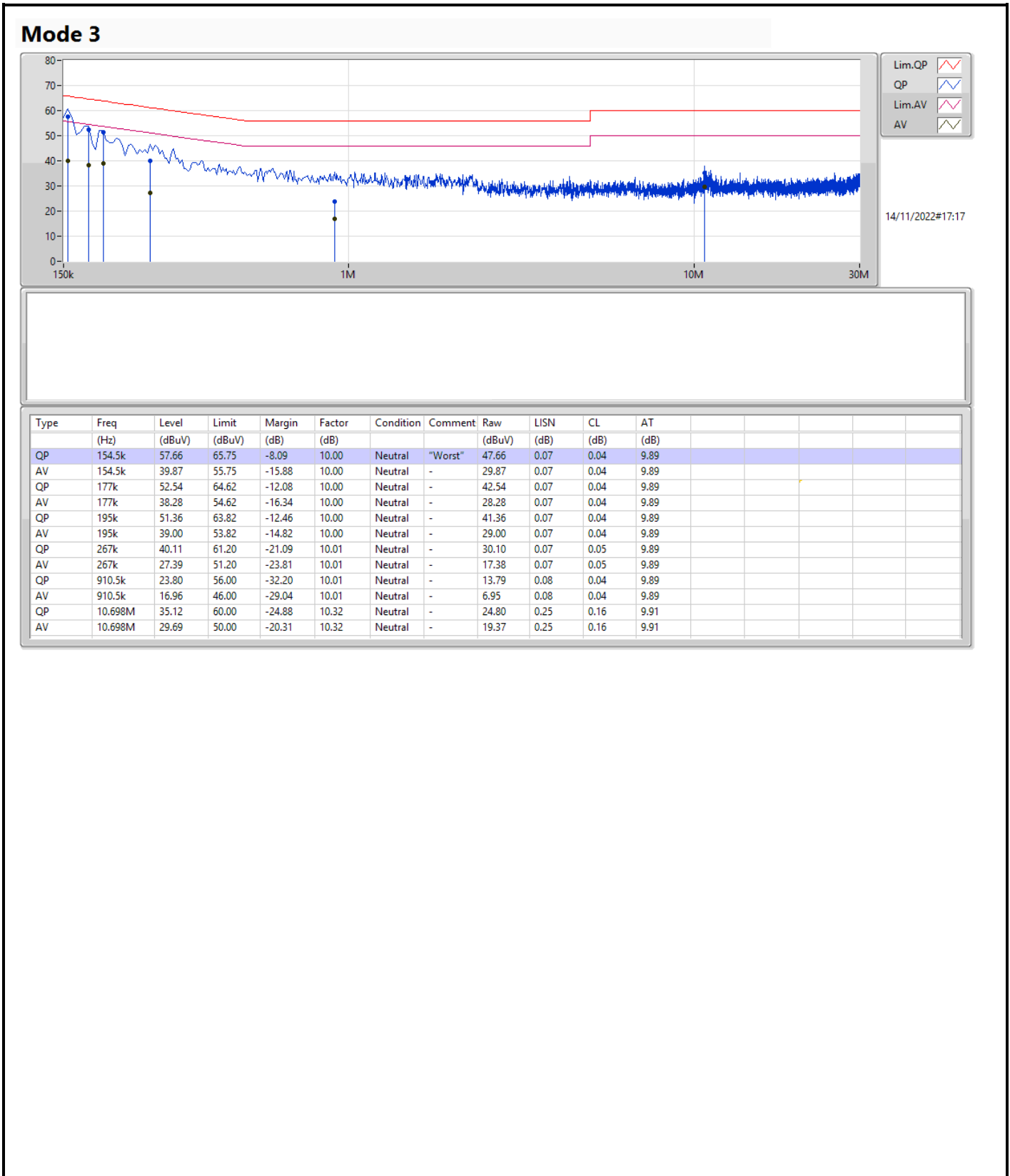
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	QP	159k	57.79	65.52	-7.73	Line

Mode 3



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	159k	57.79	65.52	-7.73	9.99	Line	"Worst"	47.80	0.06	0.04	9.89						
AV	159k	41.59	55.52	-13.93	9.99	Line	-	31.60	0.06	0.04	9.89						
QP	177k	55.12	64.62	-9.50	9.99	Line	-	45.13	0.06	0.04	9.89						
AV	177k	38.05	54.62	-16.57	9.99	Line	-	28.06	0.06	0.04	9.89						
QP	204k	49.60	63.44	-13.84	9.99	Line	-	39.61	0.06	0.04	9.89						
AV	204k	34.88	53.44	-18.56	9.99	Line	-	24.89	0.06	0.04	9.89						
QP	285k	39.91	60.67	-20.76	10.00	Line	-	29.91	0.06	0.05	9.89						
AV	285k	29.84	50.67	-20.83	10.00	Line	-	19.84	0.06	0.05	9.89						
QP	865.5k	25.03	56.00	-30.97	10.00	Line	-	15.03	0.07	0.04	9.89						
AV	865.5k	17.89	46.00	-28.11	10.00	Line	-	7.89	0.07	0.04	9.89						
QP	10.797M	35.11	60.00	-24.89	10.31	Line	-	24.80	0.23	0.16	9.92						
AV	10.797M	29.33	50.00	-20.67	10.31	Line	-	19.02	0.23	0.16	9.92						



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)_4TX	16.35M	17M	17MOD1D	16.29M	16.924M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.58M	18.157M	18M2D1D	17.55M	17.976M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.96M	19.198M	19M2D1D	18.84M	19.1M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.36M	40.872M	40M9D1D	35.7M	36.464M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.8M	47.898M	47M9D1D	36.96M	38.025M
802.11ac VHT80_Nss1,(MCS0)_4TX	75.96M	76.585M	76M6D1D	75.48M	76M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.28M	89.919M	89M9D1D	75.24M	77.577M
802.11ac VHT160_Nss1,(MCS0)_4TX	155.04M	154.589M	155MD1D	155.04M	153.865M
802.11ax HEW160_Nss1,(MCS0)_4TX	156.72M	163.852M	164MD1D	155.28M	157.27M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)	Port 5-N dB (Hz)	Port 5-OBW (Hz)	Port 6-N dB (Hz)	Port 6-OBW (Hz)	Port 7-N dB (Hz)	Port 7-OBW (Hz)	Port 8-N dB (Hz)	Port 8-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	500k	16.32M	16.975M	-	-	16.35M	16.975M	-	-	16.32M	16.975M	-	-	-	-	16.35M	17M
5865MHz	Pass	500k	16.32M	17M	-	-	16.35M	16.975M	-	-	16.35M	17M	-	-	-	-	16.35M	17M
5885MHz	Pass	500k	16.29M	16.949M	-	-	16.32M	16.924M	-	-	16.35M	16.949M	-	-	-	-	16.32M	16.975M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	500k	17.55M	18.016M	-	-	17.58M	17.995M	-	-	17.58M	17.996M	-	-	-	-	17.55M	18.065M
5865MHz	Pass	500k	17.58M	17.992M	-	-	17.55M	18.023M	-	-	17.55M	17.976M	-	-	-	-	17.55M	18.066M
5885MHz	Pass	500k	17.58M	18.125M	-	-	17.58M	18.104M	-	-	17.58M	18.106M	-	-	-	-	17.58M	18.157M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	500k	36.3M	36.815M	-	-	36.3M	36.571M	-	-	36.3M	36.567M	-	-	-	-	36.06M	40.872M
5875MHz	Pass	500k	35.7M	36.646M	-	-	36.3M	36.563M	-	-	36.36M	36.464M	-	-	-	-	36.06M	37.463M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	500k	75.72M	76.263M	-	-	75.72M	76.034M	-	-	75.96M	76M	-	-	-	-	75.48M	76.585M
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	500k	155.04M	154.589M	-	-	155.04M	154.039M	-	-	155.04M	153.986M	-	-	-	-	155.04M	153.865M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	500k	18.87M	19.159M	-	-	18.96M	19.159M	-	-	18.84M	19.159M	-	-	-	-	18.9M	19.13M
5865MHz	Pass	500k	18.84M	19.13M	-	-	18.93M	19.159M	-	-	18.9M	19.1M	-	-	-	-	18.9M	19.1M
5885MHz	Pass	500k	18.9M	19.185M	-	-	18.87M	19.191M	-	-	18.93M	19.18M	-	-	-	-	18.96M	19.198M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	500k	37.8M	38.73M	-	-	37.62M	38.025M	-	-	37.68M	38.083M	-	-	-	-	37.44M	47.898M
5875MHz	Pass	500k	36.96M	38.26M	-	-	37.5M	38.025M	-	-	37.32M	38.025M	-	-	-	-	37.68M	40.199M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	500k	75.6M	81.809M	-	-	75.24M	77.577M	-	-	77.28M	77.577M	-	-	-	-	75.96M	89.919M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	500k	156.24M	157.27M	-	-	156.24M	157.505M	-	-	156.72M	157.27M	-	-	-	-	155.28M	163.852M

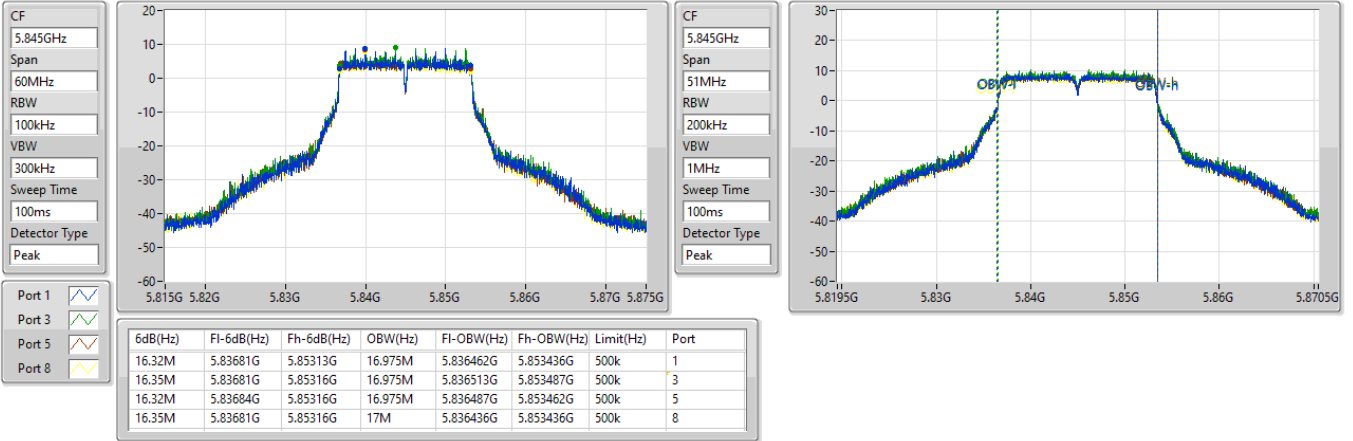
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5845MHz

25/10/2022

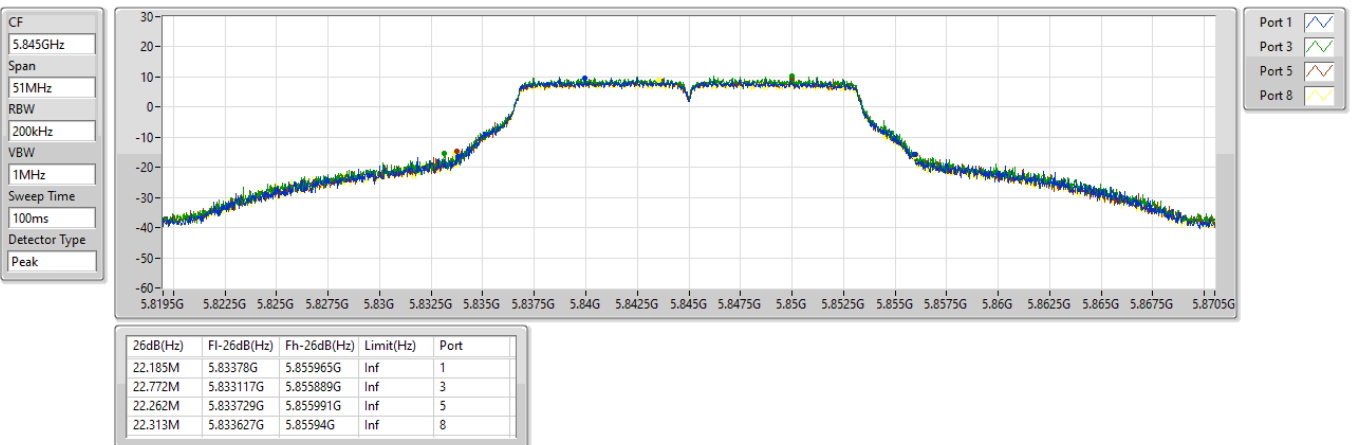


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5845MHz

25/10/2022

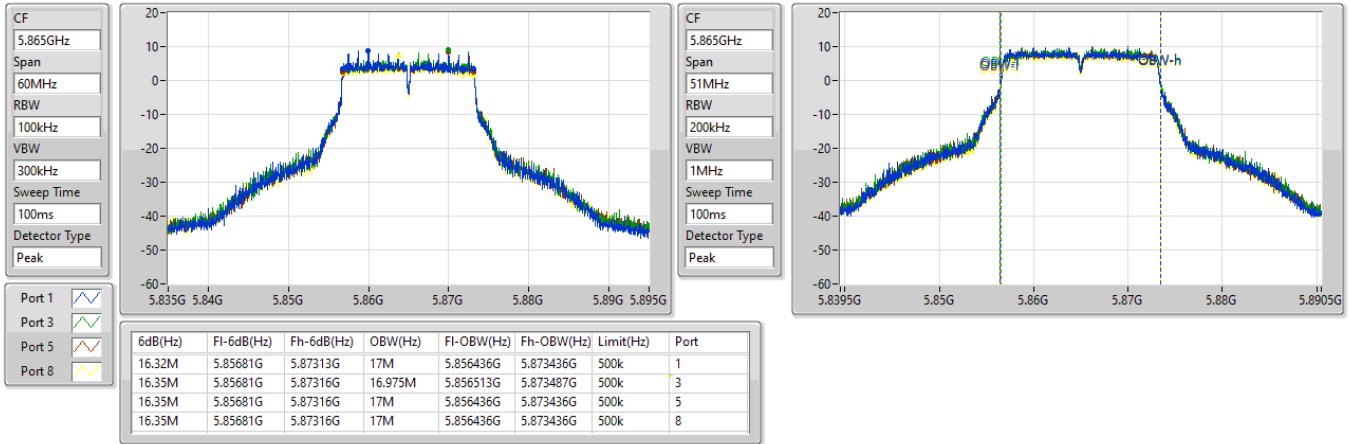


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5865MHz

25/10/2022

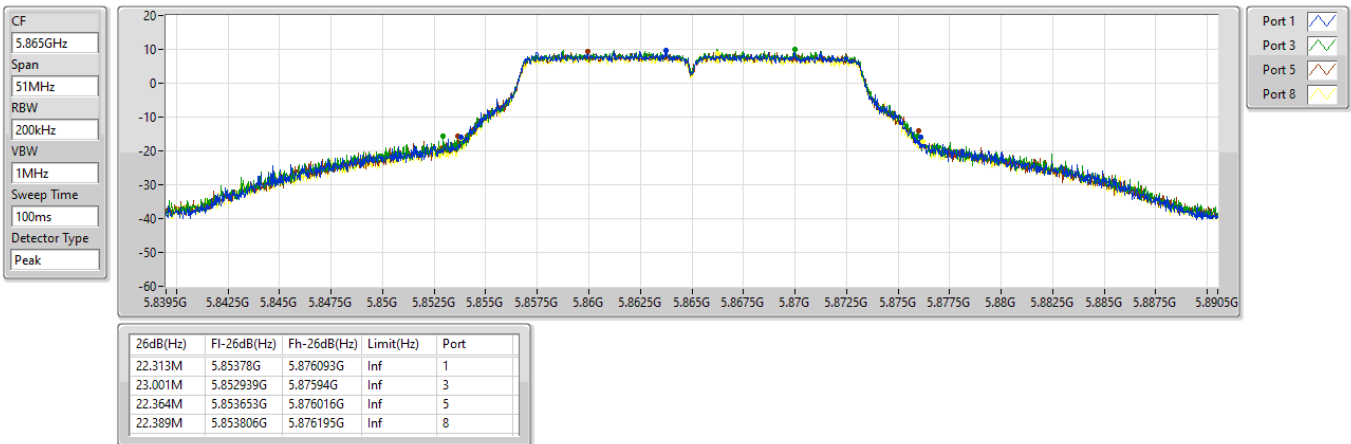


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5865MHz

25/10/2022

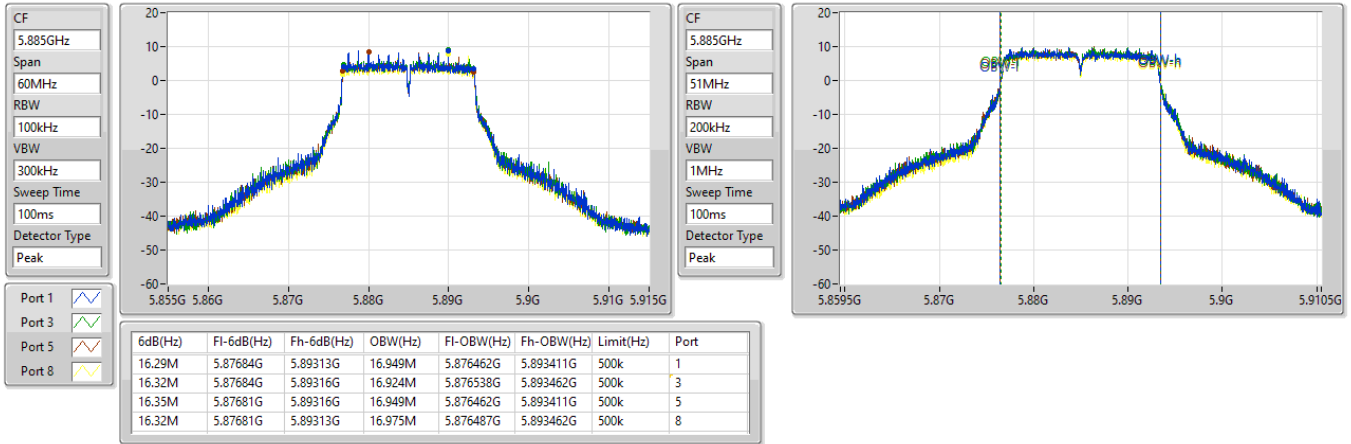


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5885MHz

25/10/2022



5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5885MHz

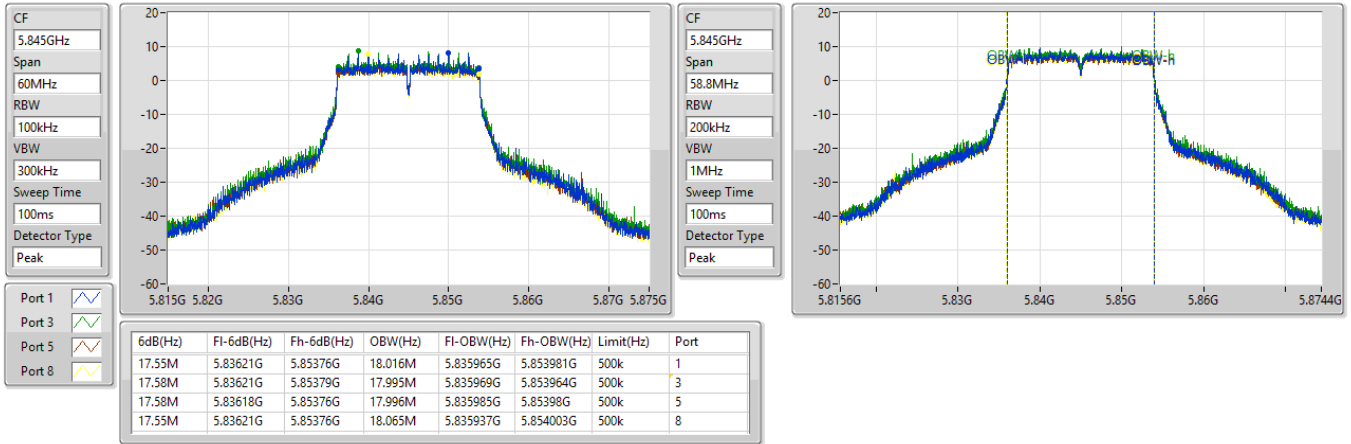
25/10/2022



5.725-5.895GHz_802.11ac VHT20_Nss1,(MCS0)_4TX
5845MHz

EBW

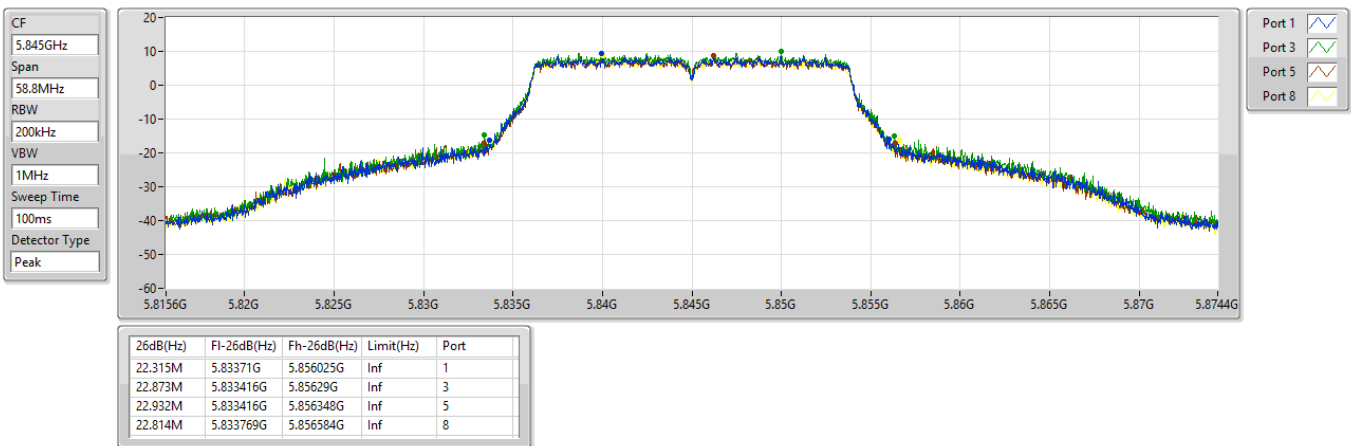
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5.725-5.895GHz_802.11ac VHT20_Nss1,(MCS0)_4TX
5845MHz

EBW

04/11/2022

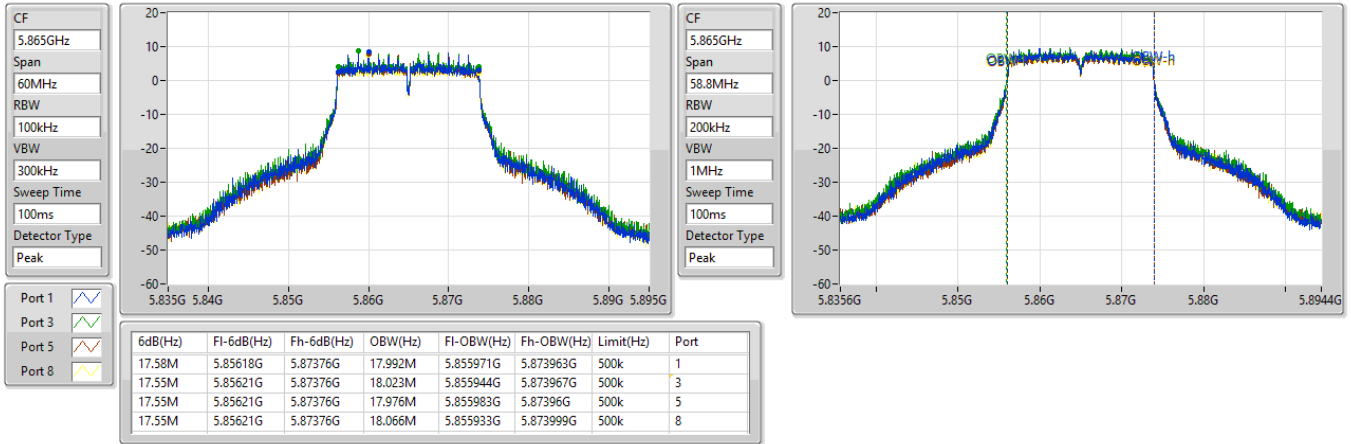


5.725-5.895GHz_802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5865MHz

04/11/2022

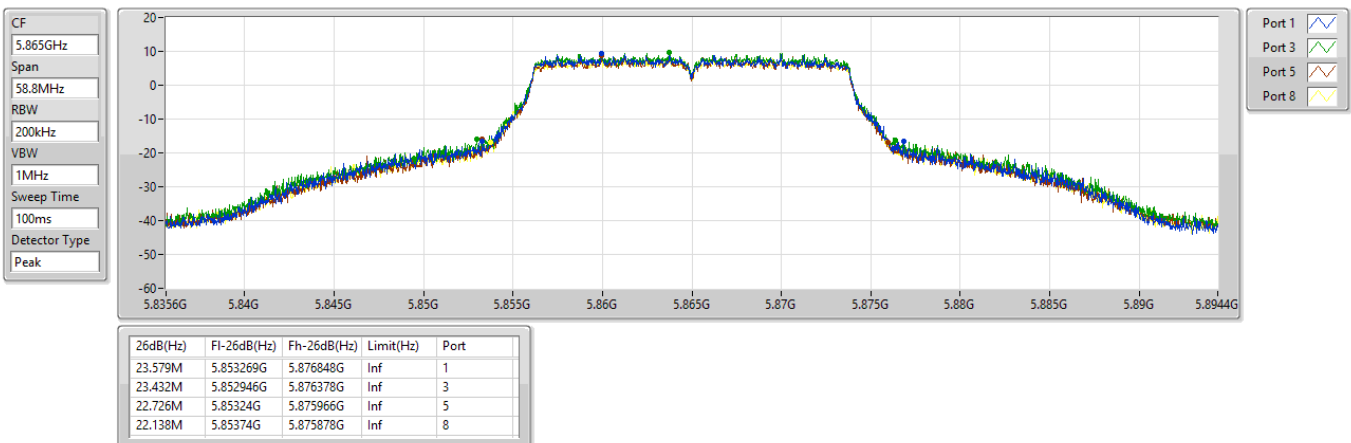


5.725-5.895GHz_802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5865MHz

04/11/2022

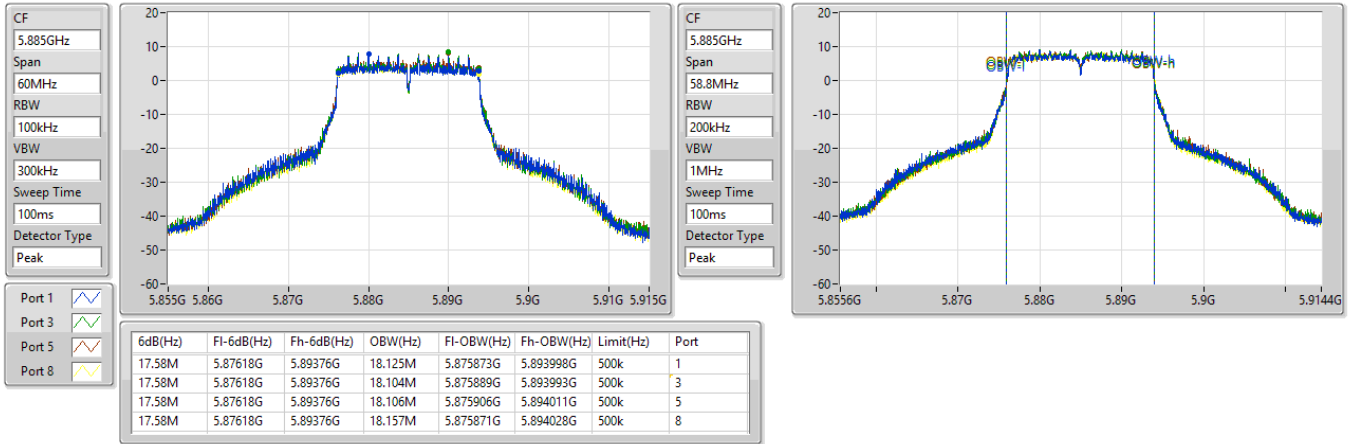


5.725-5.895GHz_802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5885MHz

07/11/2022

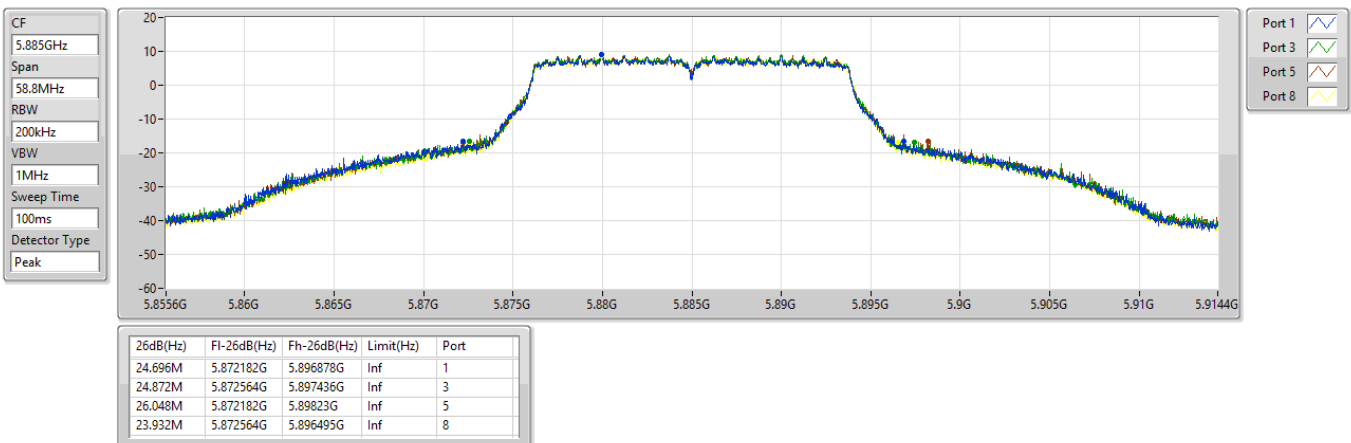


5.725-5.895GHz_802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5885MHz

07/11/2022

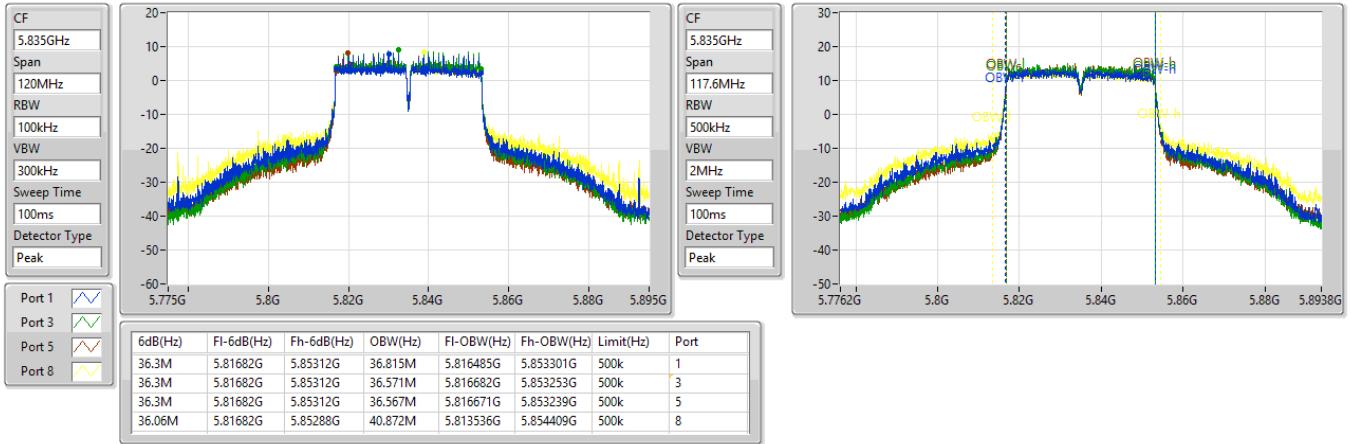


5.725-5.895GHz_802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5835MHz

04/11/2022

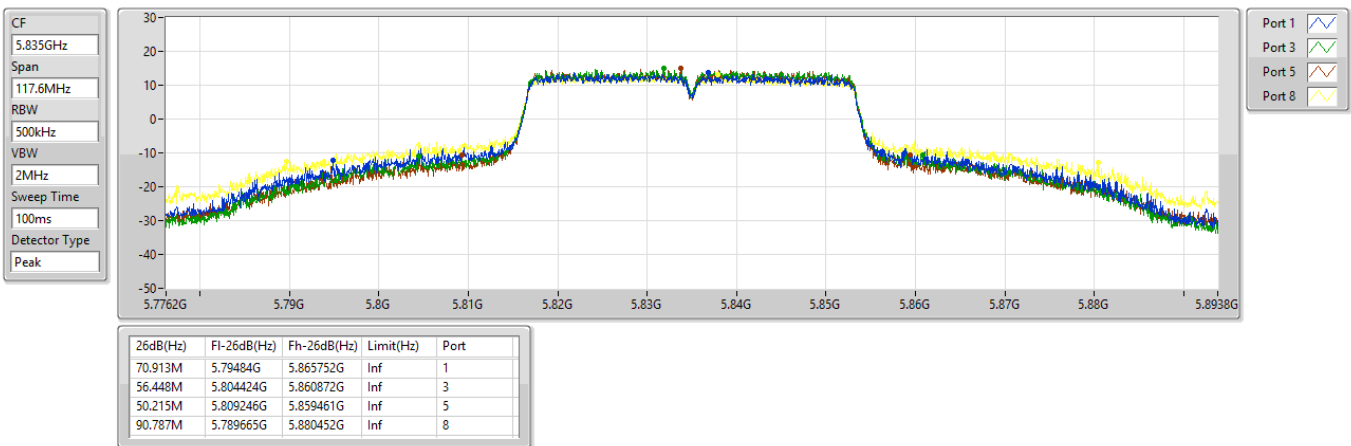


5.725-5.895GHz_802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5835MHz

04/11/2022

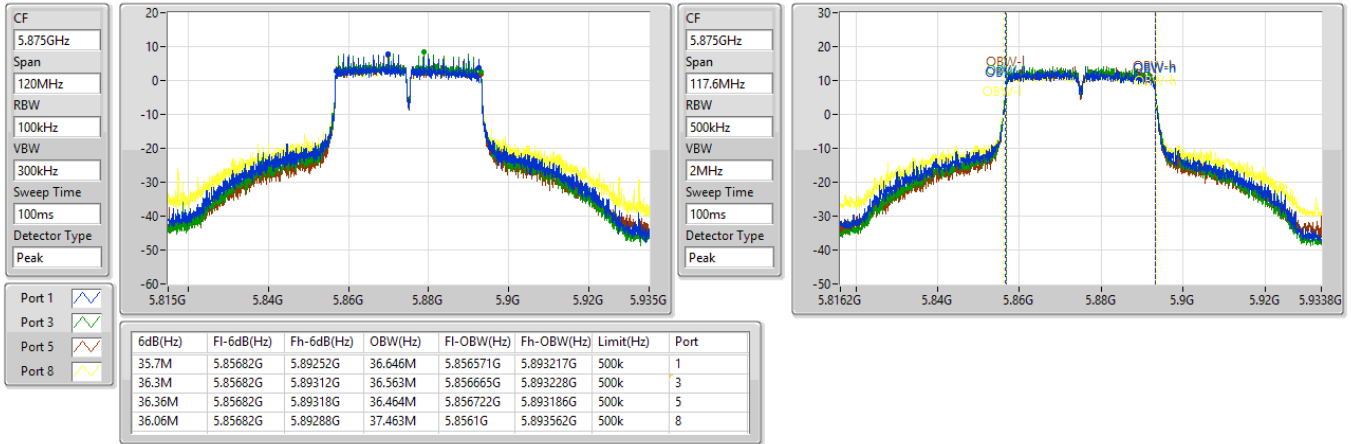


5.725-5.895GHz_802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5875MHz

04/11/2022

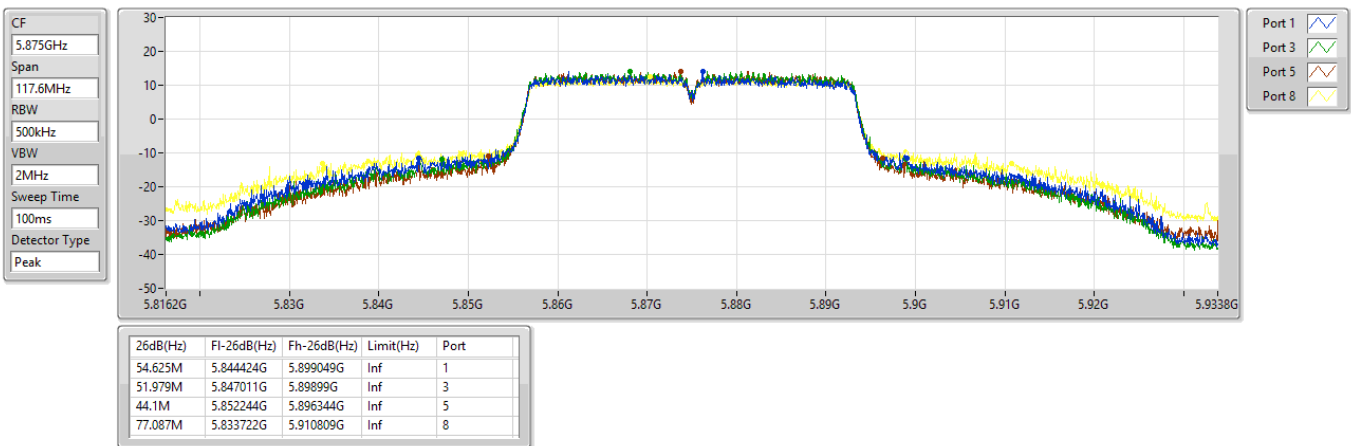


5.725-5.895GHz_802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5875MHz

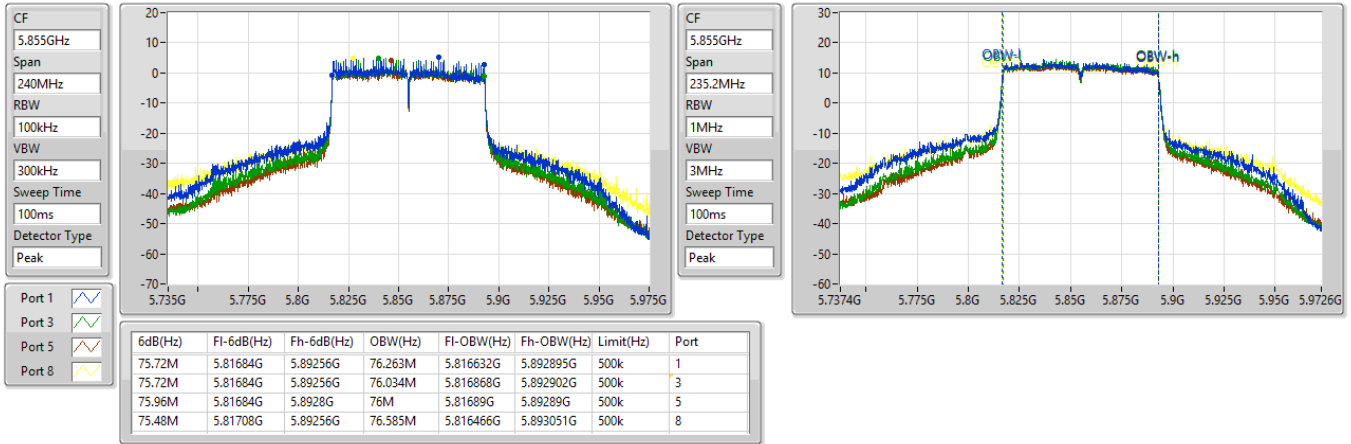
04/11/2022



5.725-5.895GHz_802.11ac VHT80_Nss1,(MCS0)_4TX
5855MHz

EBW

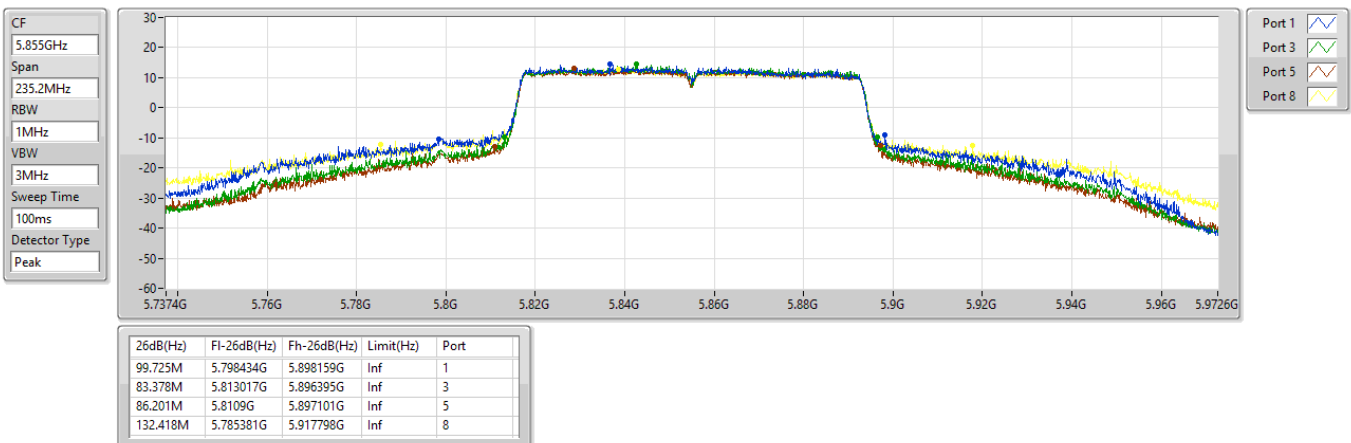
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5.725-5.895GHz_802.11ac VHT80_Nss1,(MCS0)_4TX
5855MHz

EBW

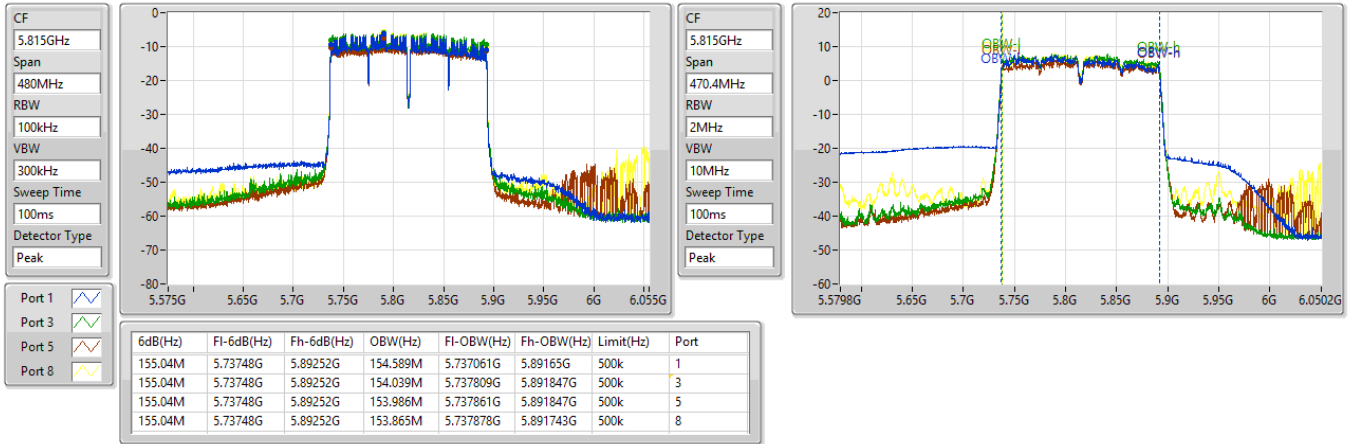
04/11/2022



5.725-5.895GHz_802.11ac VHT160_Nss1,(MCS0)_4TX
5815MHz

EBW

04/11/2022



5.725-5.895GHz_802.11ac VHT160_Nss1,(MCS0)_4TX
5815MHz

EBW

04/11/2022

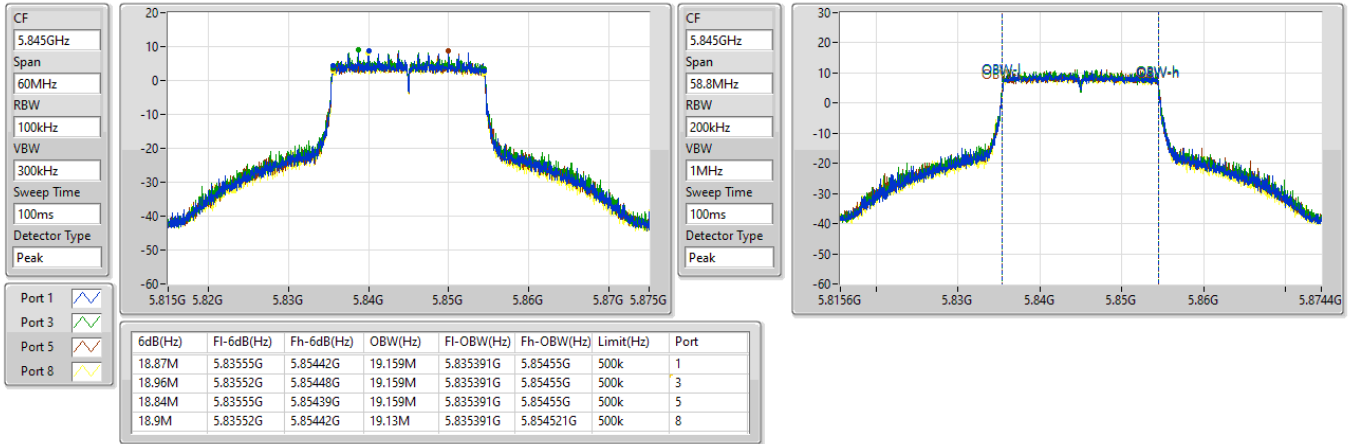


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5845MHz

25/10/2022

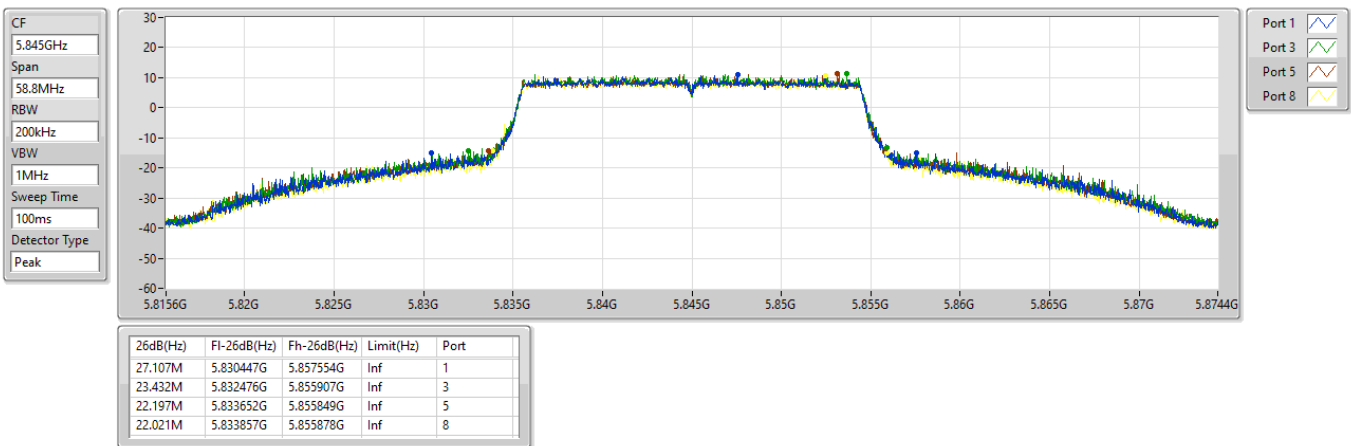


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5845MHz

25/10/2022

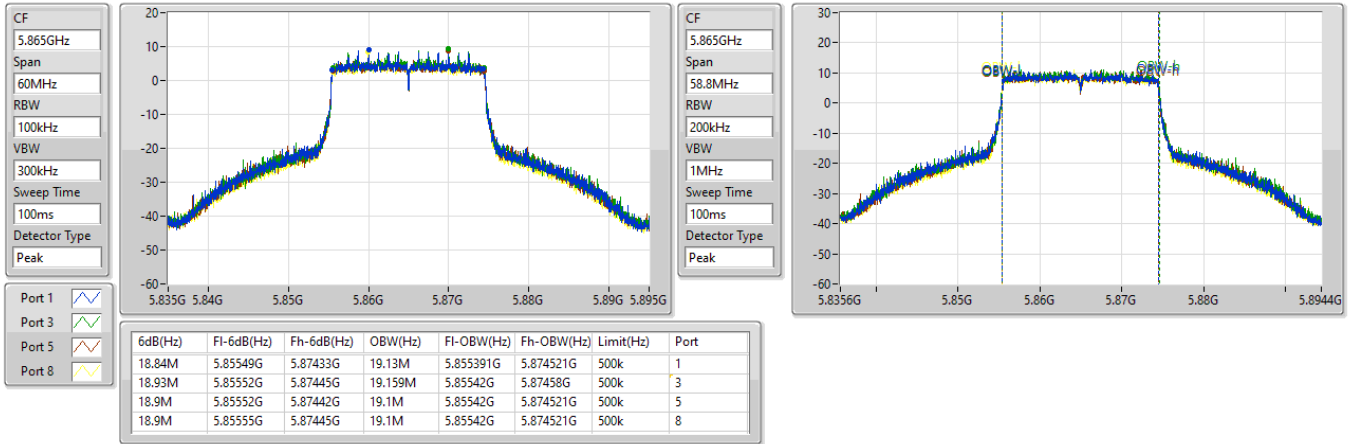


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5865MHz

25/10/2022

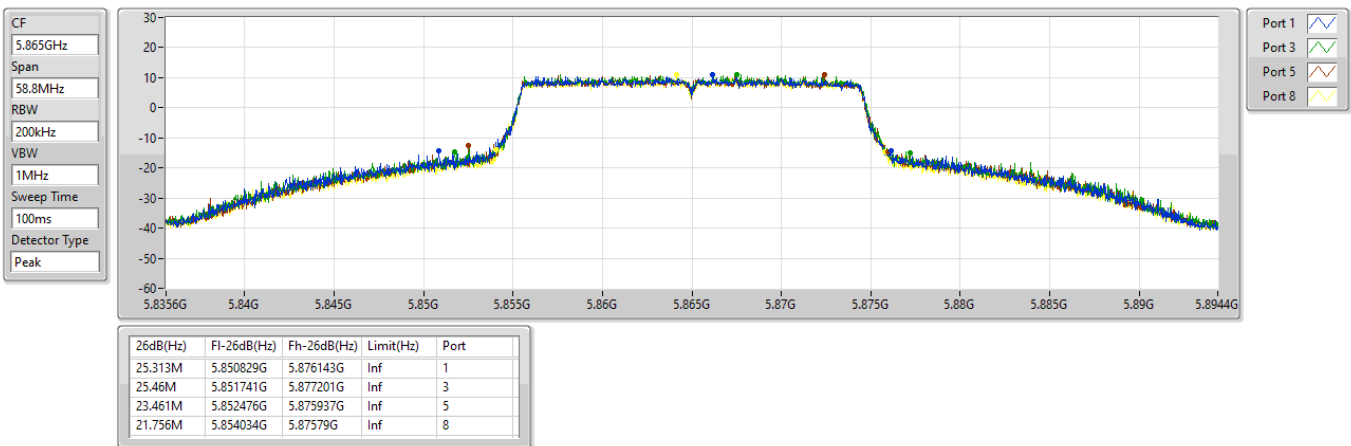


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5865MHz

25/10/2022

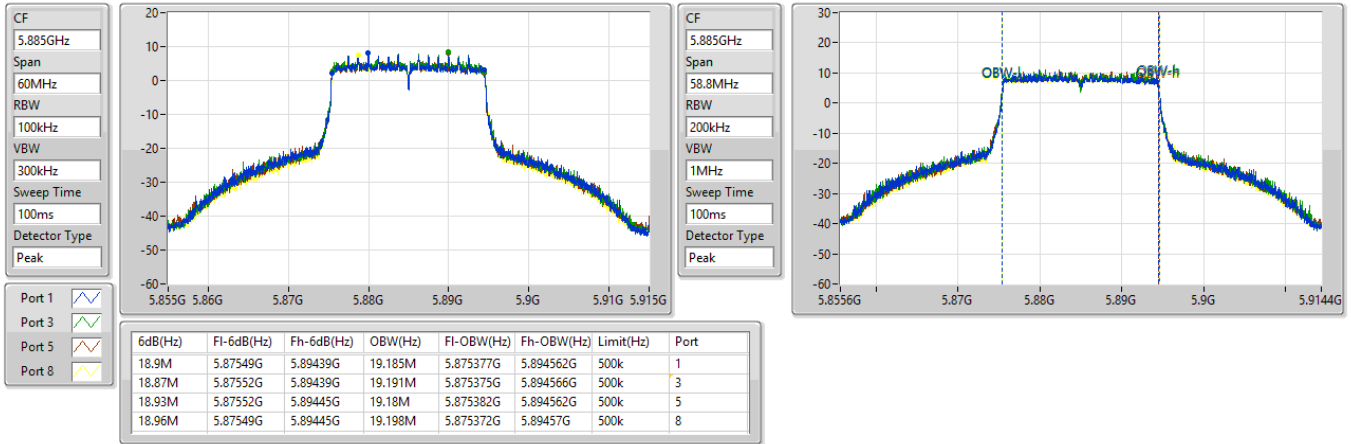


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5885MHz

07/11/2022

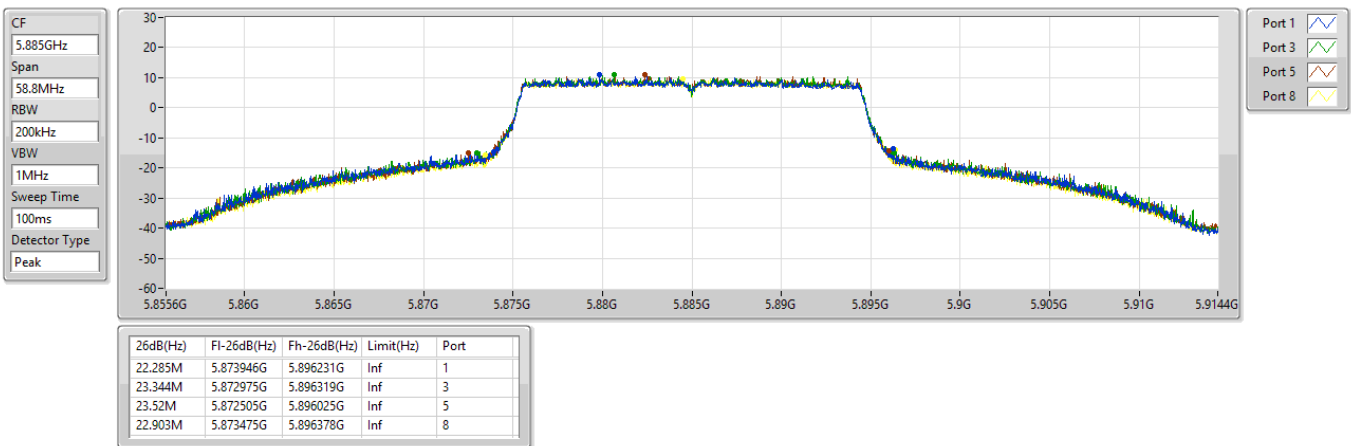


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5885MHz

07/11/2022

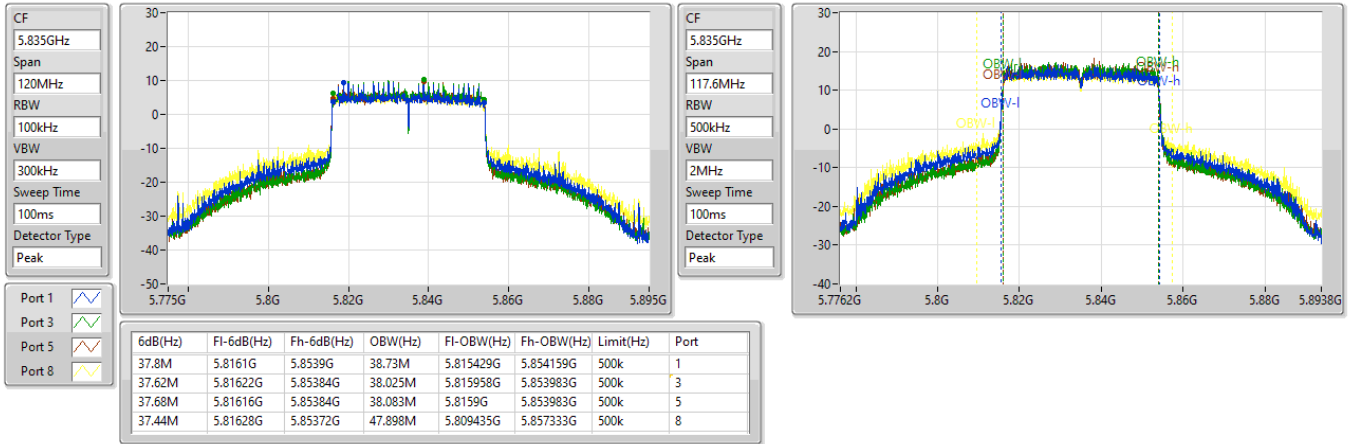


5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5835MHz

25/10/2022

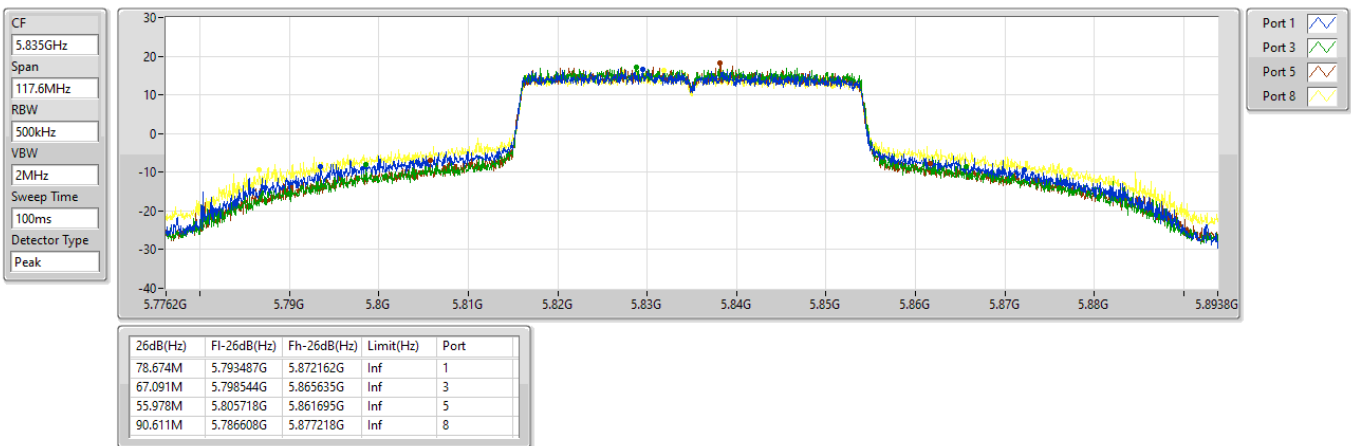


5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5835MHz

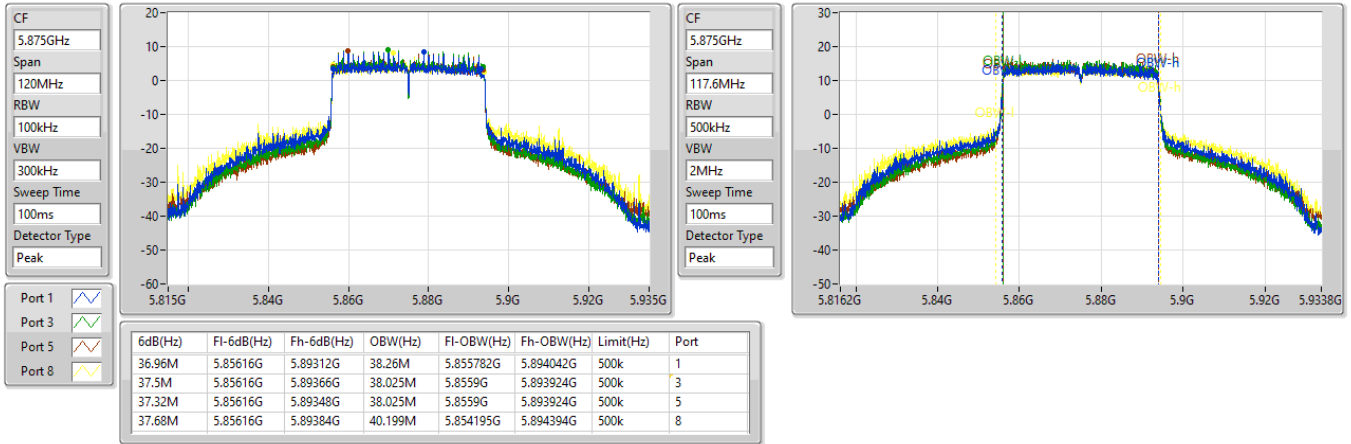
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5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
5875MHz

EBW

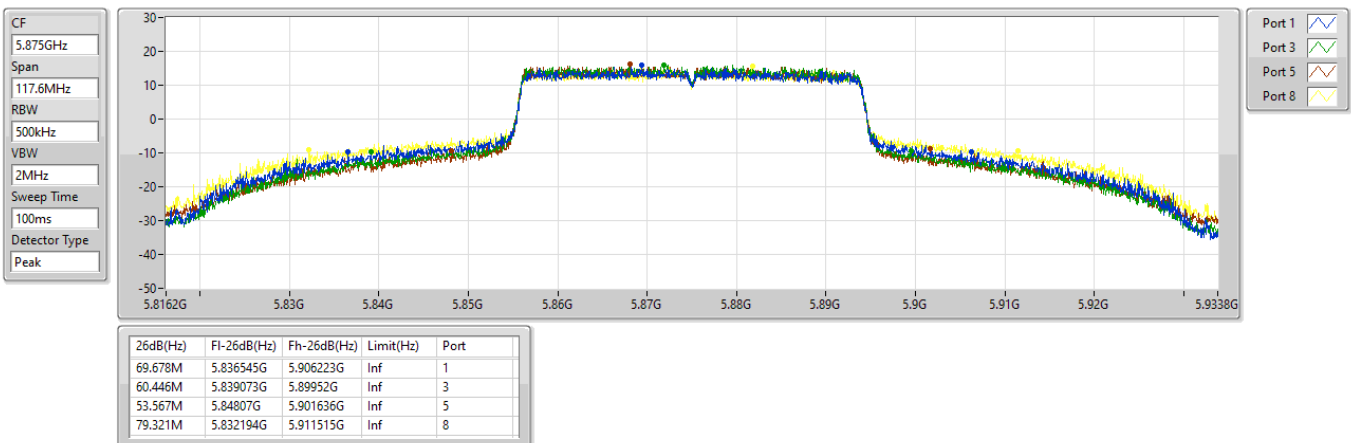
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5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
5875MHz

EBW

25/10/2022

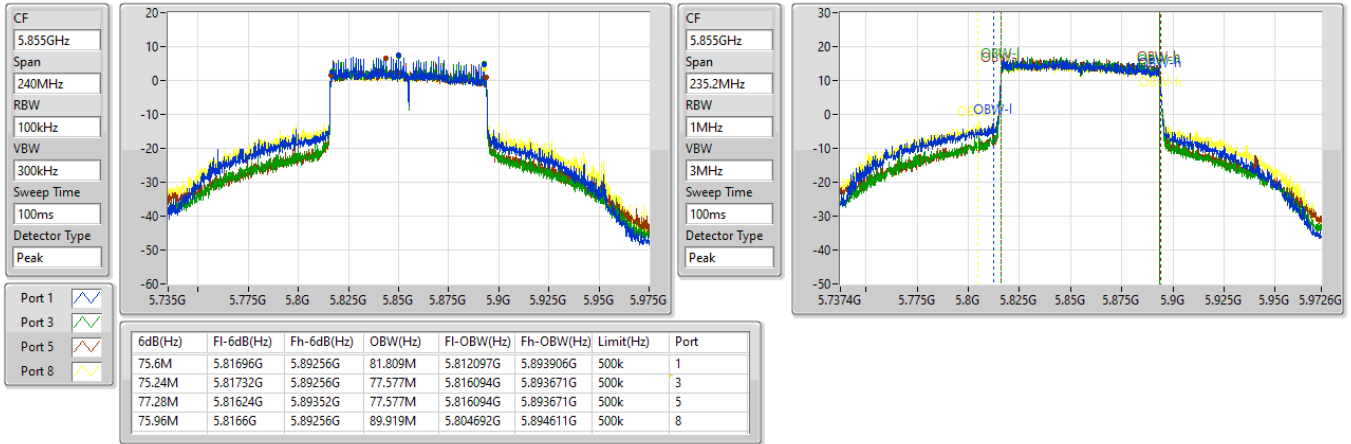


5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5855MHz

25/10/2022

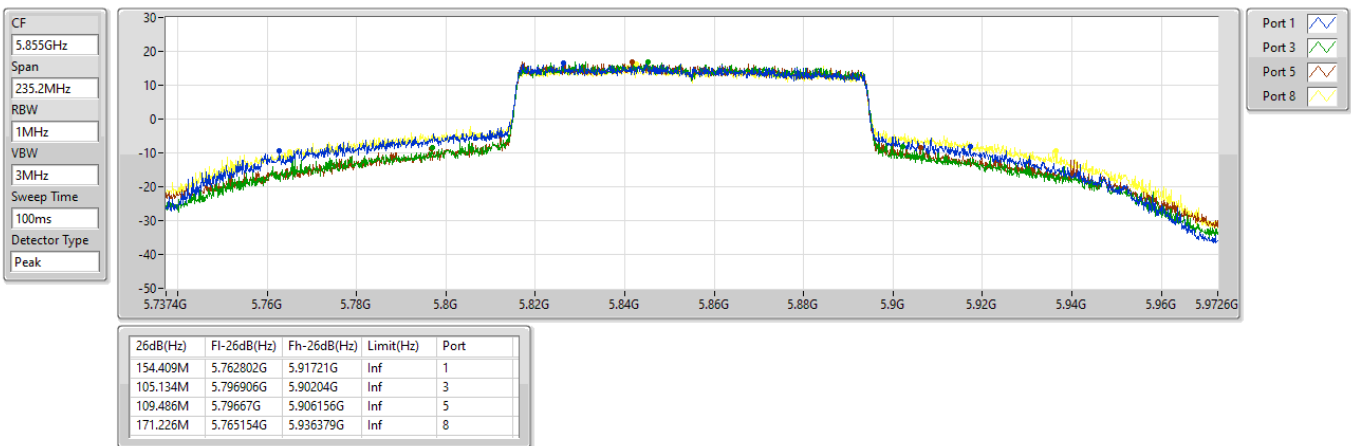


5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5855MHz

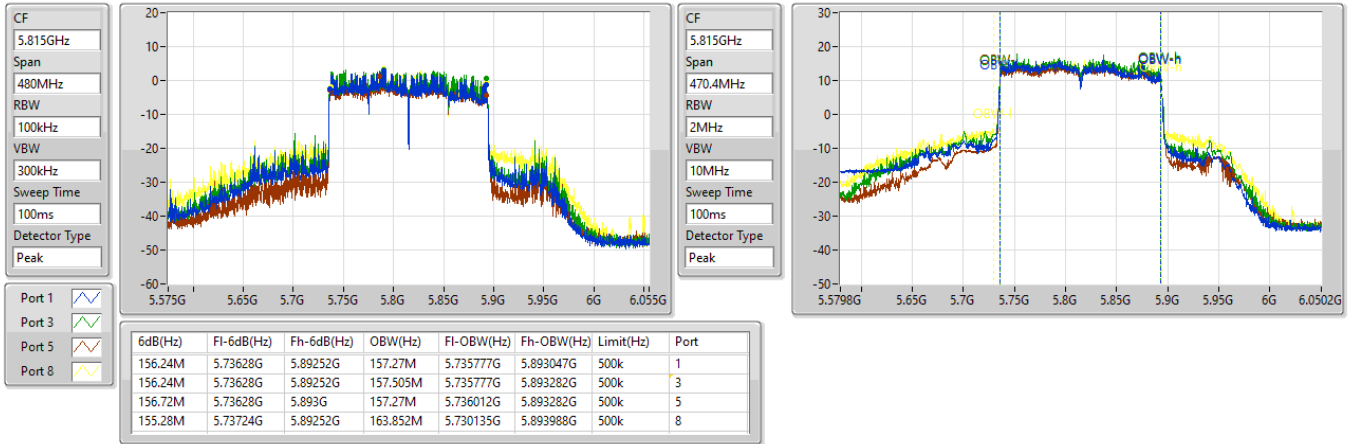
25/10/2022



5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
5815MHz

EBW

25/10/2022



5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
5815MHz

EBW

25/10/2022





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.895GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.97	0.31405	31.21	1.32130
802.11ac VHT20_Nss1,(MCS0)_4TX	25.28	0.33729	31.52	1.41906
802.11ax HEW20_Nss1,(MCS0)_4TX	25.52	0.35645	31.76	1.49968
802.11ac VHT40_Nss1,(MCS0)_4TX	28.26	0.66988	34.50	2.81838
802.11ax HEW40_Nss1,(MCS0)_4TX	28.89	0.77446	35.13	3.25837
802.11ac VHT80_Nss1,(MCS0)_4TX	27.31	0.53827	33.55	2.26464
802.11ax HEW80_Nss1,(MCS0)_4TX	27.71	0.59020	33.95	2.48313
802.11ac VHT160_Nss1,(MCS0)_4TX	19.64	0.09204	25.88	0.38726
802.11ax HEW160_Nss1,(MCS0)_4TX	19.95	0.09886	26.19	0.41591



Average Power <Non-beamforming mode>

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Port 5 (dBm)	Port 6 (dBm)	Port 7 (dBm)	Port 8 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	6.24	18.77	-	19.67	-	18.90	-	-	18.36	24.97	30.00	31.21	36.00
5865MHz	Pass	6.24	18.94	-	19.26	-	18.61	-	-	18.21	24.79	Inf	31.03	36.00
5885MHz	Pass	6.24	19.01	-	19.09	-	18.96	-	-	18.39	24.89	Inf	31.13	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	6.24	19.22	-	20.03	-	19.07	-	-	18.58	25.28	30.00	31.52	36.00
5865MHz	Pass	6.24	19.28	-	19.67	-	19.00	-	-	18.65	25.19	Inf	31.43	36.00
5885MHz	Pass	6.24	18.62	-	19.30	-	19.20	-	-	18.70	24.99	Inf	31.23	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	6.24	21.84	-	22.82	-	22.19	-	-	22.04	28.26	30.00	34.50	36.00
5875MHz	Pass	6.24	21.50	-	22.09	-	21.63	-	-	21.65	27.74	Inf	33.98	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	6.24	21.41	-	21.62	-	20.76	-	-	21.31	27.31	30.00	33.55	36.00
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	6.24	13.57	-	14.21	-	12.50	-	-	14.02	19.64	30.00	25.88	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	6.24	19.59	-	20.10	-	19.40	-	-	18.83	25.52	30.00	31.76	36.00
5865MHz	Pass	6.24	19.41	-	19.83	-	19.45	-	-	18.80	25.41	Inf	31.65	36.00
5885MHz	Pass	6.24	18.87	-	19.20	-	19.29	-	-	18.81	25.07	Inf	31.31	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	6.24	22.44	-	23.29	-	23.30	-	-	22.34	28.89	30.00	35.13	36.00
5875MHz	Pass	6.24	21.74	-	22.40	-	22.20	-	-	21.65	28.03	Inf	34.27	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	6.24	21.69	-	21.83	-	21.92	-	-	21.31	27.71	30.00	33.95	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	6.24	14.00	-	14.22	-	12.93	-	-	14.43	19.95	30.00	26.19	36.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.895GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0_4TX	25.28	0.33729	32.52	1.78649
802.11ax HEW20-BF_Nss1,(MCS0_4TX	25.52	0.35645	32.76	1.88799
802.11ac VHT40-BF_Nss1,(MCS0_4TX	28.26	0.66988	35.50	3.54813
802.11ax HEW40-BF_Nss1,(MCS0_4TX	28.59	0.72277	35.83	3.82825
802.11ac VHT80-BF_Nss1,(MCS0_4TX	27.31	0.53827	34.55	2.85102
802.11ax HEW80-BF_Nss1,(MCS0_4TX	27.71	0.59020	34.95	3.12608
802.11ac VHT160-BF_Nss1,(MCS0_4TX	19.64	0.09204	26.88	0.48753
802.11ax HEW160-BF_Nss1,(MCS0_4TX	19.95	0.09886	27.19	0.52360



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Port 5 (dBm)	Port 6 (dBm)	Port 7 (dBm)	Port 8 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	7.24	19.22	-	20.03	-	19.07	-	-	18.58	25.28	30.00	32.52	36.00
5865MHz	Pass	7.24	19.28	-	19.67	-	19.00	-	-	18.65	25.19	Inf	32.43	36.00
5885MHz	Pass	7.24	18.74	-	19.20	-	19.26	-	-	18.77	25.02	Inf	32.26	36.00
802.11ac VHT40-BF_Nss1,(MCS0_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	7.24	21.84	-	22.82	-	22.19	-	-	22.04	28.26	30.00	35.50	36.00
5875MHz	Pass	7.24	21.50	-	22.09	-	21.63	-	-	21.65	27.74	Inf	34.98	36.00
802.11ac VHT80-BF_Nss1,(MCS0_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	7.24	21.41	-	21.62	-	20.76	-	-	21.31	27.31	30.00	34.55	36.00
802.11ac VHT160-BF_Nss1,(MCS0_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	7.24	13.57	-	14.21	-	12.50	-	-	14.02	19.64	30.00	26.88	36.00
802.11ax HEW20-BF_Nss1,(MCS0_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	7.24	19.59	-	20.10	-	19.40	-	-	18.83	25.52	30.00	32.76	36.00
5865MHz	Pass	7.24	19.42	-	19.83	-	19.45	-	-	18.80	25.41	Inf	32.65	36.00
5885MHz	Pass	7.24	18.86	-	19.61	-	19.41	-	-	19.03	25.26	Inf	32.50	36.00
802.11ax HEW40-BF_Nss1,(MCS0_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	7.24	22.27	-	22.91	-	22.75	-	-	22.31	28.59	30.00	35.83	36.00
5875MHz	Pass	7.24	21.74	-	22.40	-	22.20	-	-	21.65	28.03	Inf	35.27	36.00
802.11ax HEW80-BF_Nss1,(MCS0_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	7.24	21.69	-	21.83	-	21.92	-	-	21.31	27.71	30.00	34.95	36.00
802.11ax HEW160-BF_Nss1,(MCS0_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	7.24	14.00	-	14.22	-	12.93	-	-	14.43	19.95	30.00	27.19	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)_4TX	12.70	19.94
802.11ac VHT20_Nss1,(MCS0)_4TX	11.88	19.12
802.11ax HEW20_Nss1,(MCS0)_4TX	12.65	19.89
802.11ac VHT40_Nss1,(MCS0)_4TX	11.48	18.72
802.11ax HEW40_Nss1,(MCS0)_4TX	12.41	19.65
802.11ac VHT80_Nss1,(MCS0)_4TX	7.94	15.18
802.11ax HEW80_Nss1,(MCS0)_4TX	8.02	15.26
802.11ac VHT160_Nss1,(MCS0)_4TX	-3.05	4.19
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.95	4.29

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	7.24	6.55	-	7.33	-	6.74	-	-	5.87	12.57	Inf	19.81	20.00
5865MHz	Pass	7.24	6.90	-	7.21	-	6.86	-	-	6.16	12.70	Inf	19.94	20.00
5885MHz	Pass	7.24	6.91	-	6.90	-	6.91	-	-	6.24	12.67	Inf	19.91	20.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	7.24	5.58	-	6.63	-	5.49	-	-	4.99	11.68	Inf	18.92	20.00
5865MHz	Pass	7.24	6.05	-	6.60	-	5.72	-	-	5.48	11.88	Inf	19.12	20.00
5885MHz	Pass	7.24	5.26	-	5.97	-	5.81	-	-	5.38	11.52	Inf	18.76	20.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	7.24	4.94	-	6.24	-	5.40	-	-	5.00	11.39	Inf	18.63	20.00
5875MHz	Pass	7.24	5.60	-	5.99	-	5.31	-	-	5.42	11.48	Inf	18.72	20.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	7.24	2.12	-	2.31	-	1.50	-	-	1.81	7.94	Inf	15.18	20.00
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	7.24	-9.18	-	-8.24	-	-10.25	-	-	-8.75	-3.05	Inf	4.19	20.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	7.24	6.60	-	7.16	-	6.65	-	-	5.86	12.57	Inf	19.81	20.00
5865MHz	Pass	7.24	6.74	-	7.14	-	6.79	-	-	6.09	12.65	Inf	19.89	20.00
5885MHz	Pass	7.24	5.20	-	5.58	-	5.60	-	-	5.25	11.35	Inf	18.59	20.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	7.24	5.01	-	5.88	-	5.82	-	-	4.70	11.35	Inf	18.59	20.00
5875MHz	Pass	7.24	6.19	-	6.93	-	6.84	-	-	6.05	12.41	Inf	19.65	20.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	7.24	2.07	-	2.17	-	2.35	-	-	1.57	8.02	Inf	15.26	20.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	7.24	-8.94	-	-8.68	-	-9.93	-	-	-8.31	-2.95	Inf	4.29	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;

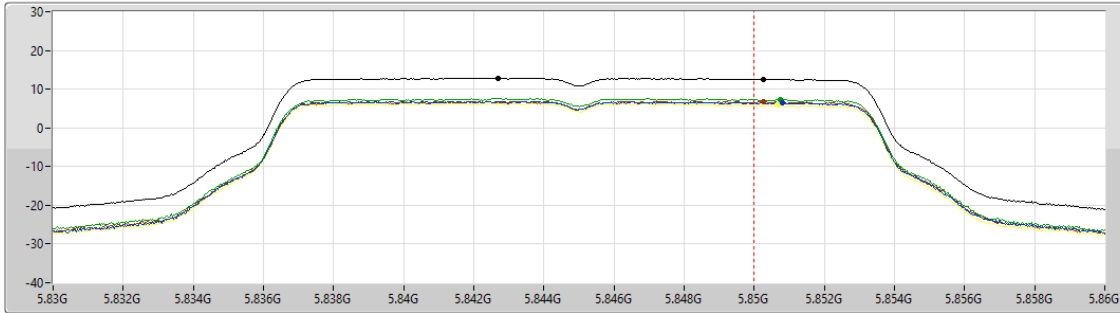
5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5845MHz

25/10/2022

CF
5.845GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 3
Port 5
Port 8

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
12.85	9.84	500k	-3.01

5850-5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.57	12.57	6.55	-	7.33	-	6.74	-	-	5.87

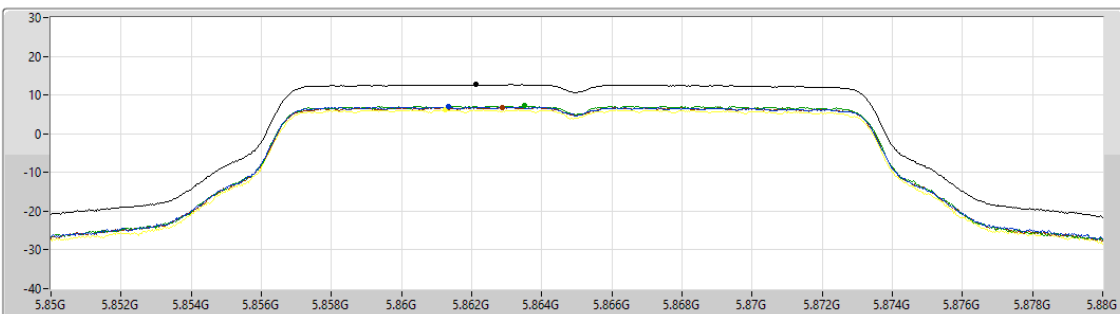
5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5865MHz

25/10/2022

CF
5.865GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 3
Port 5
Port 8

Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.70	12.70	6.90	-	7.21	-	6.86	-	-	6.16

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5885MHz

25/10/2022

CF
5.885GHz

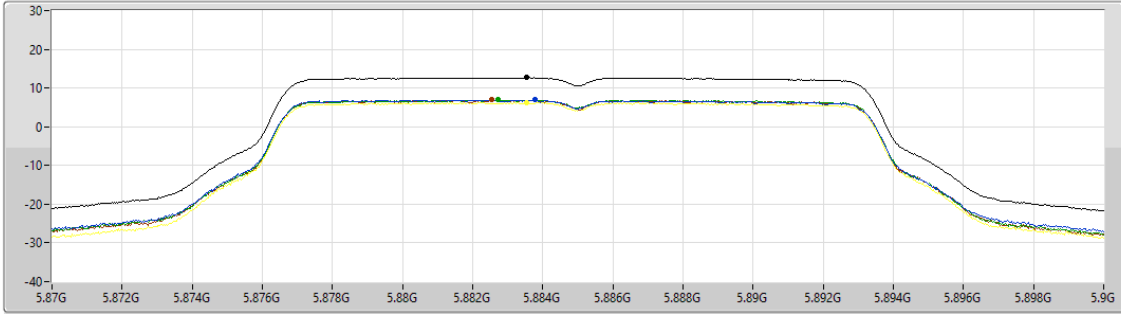
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 3

Port 5

Port 8

Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.67	12.67	6.91	-	6.90	-	6.91	-	-	6.24

5.725-5.895GHz_802.11ac_VHT20_Nss1,(MCS0)_4TX

PSD

5845MHz

04/11/2022

CF
5.845GHz

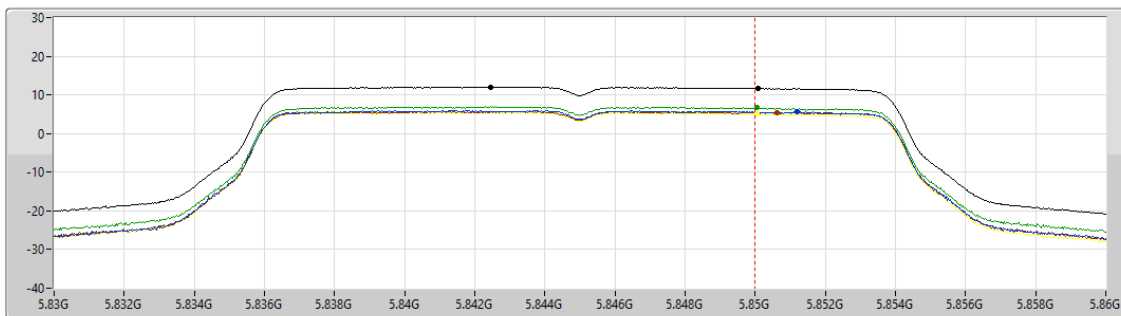
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 3

Port 5

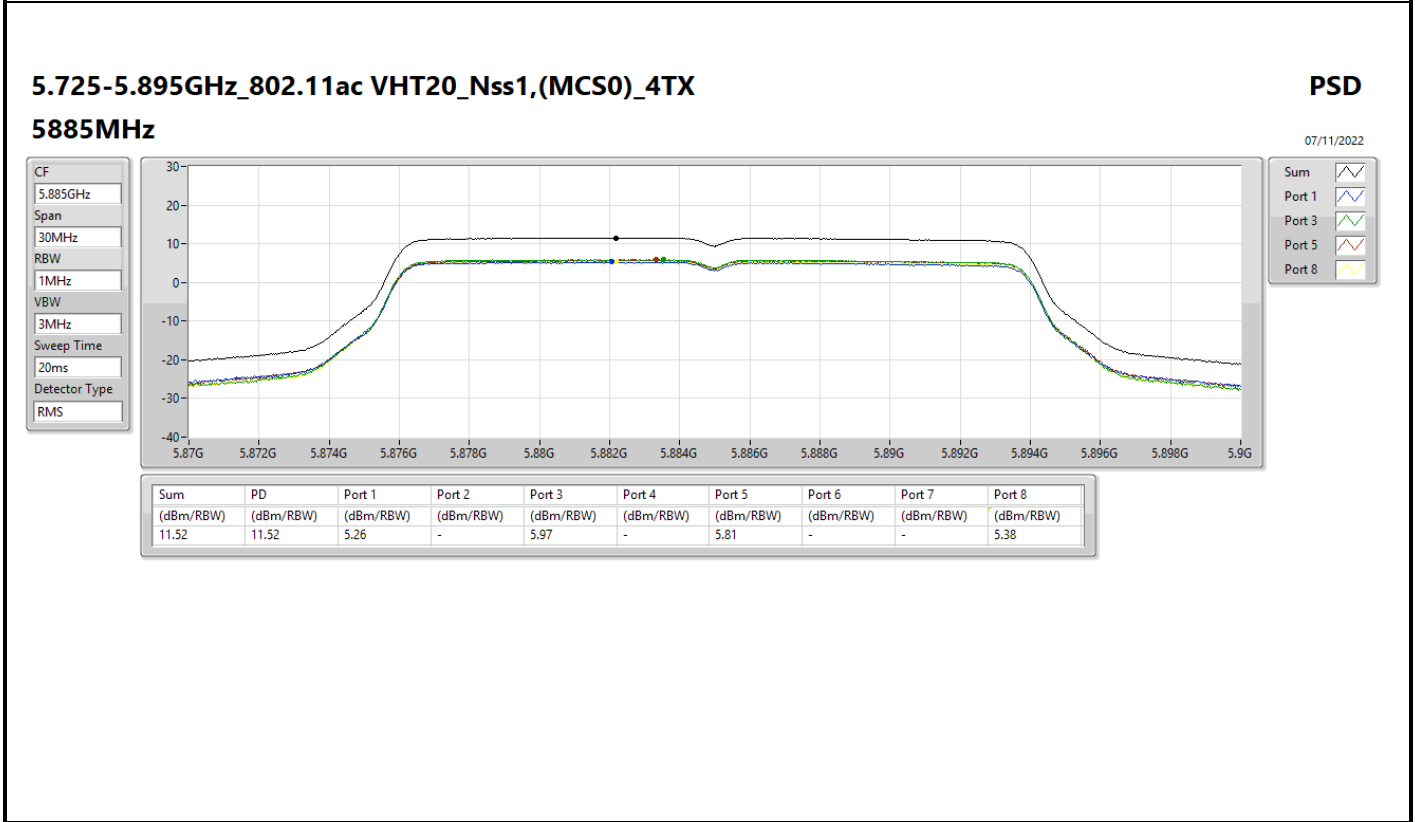
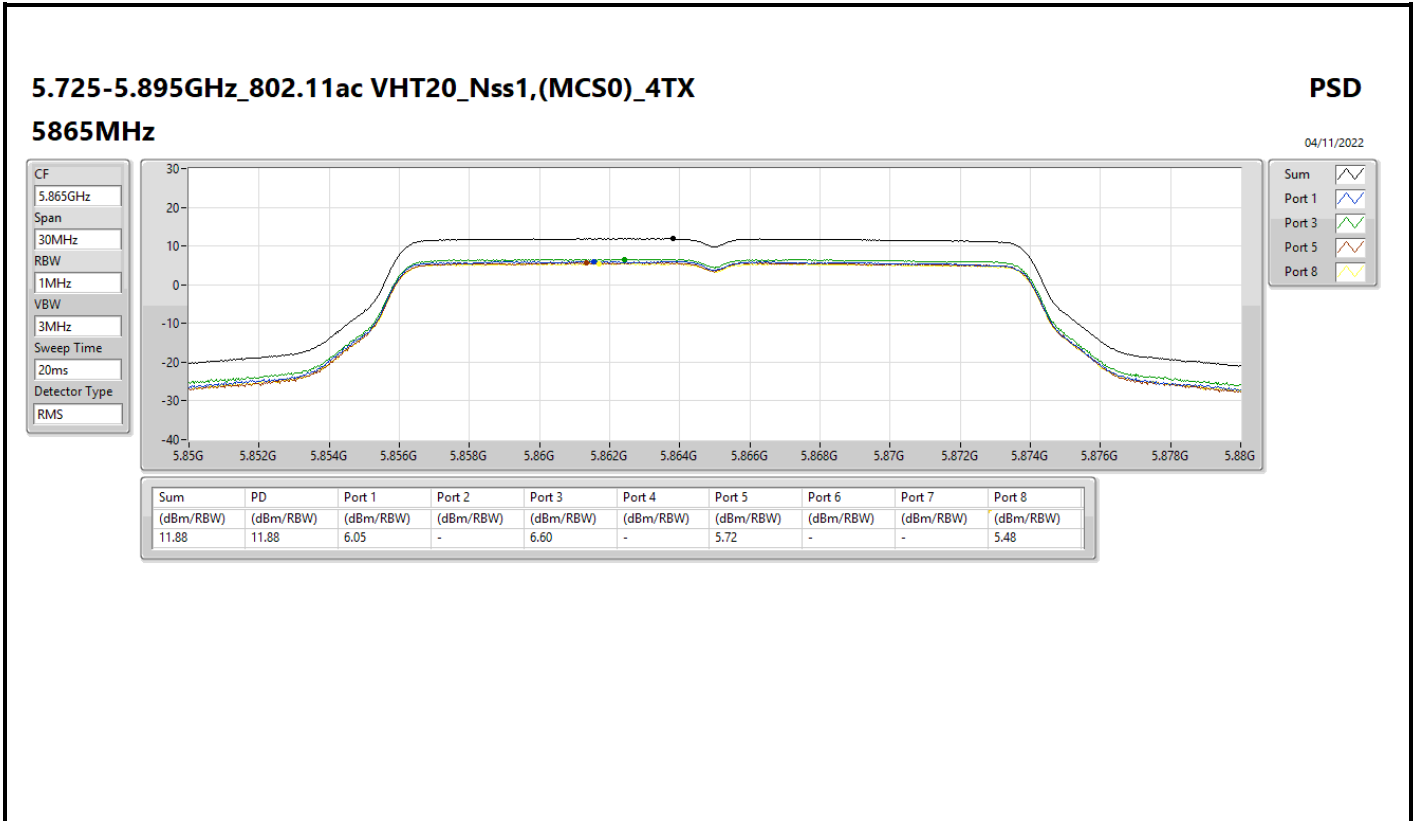
Port 8

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
11.99	8.98	500k	-3.01

5850-5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.68	11.68	5.58	-	6.63	-	5.49	-	-	4.99



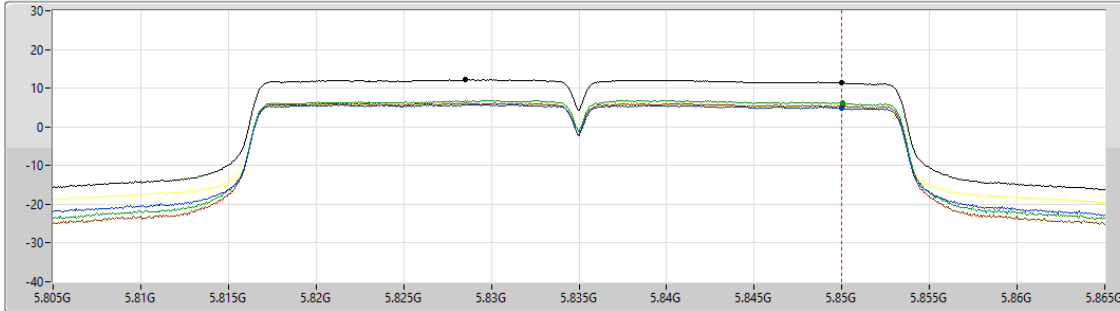
5.725-5.895GHz_802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5835MHz

04/11/2022

CF
5.835GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 3
Port 5
Port 8

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm/RBW)	(dBm)	(Hz)	(dB)
12.16	9.15	500k	-3.01

5850-5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.39	11.39	4.94	-	6.24	-	5.40	-	-	5.00

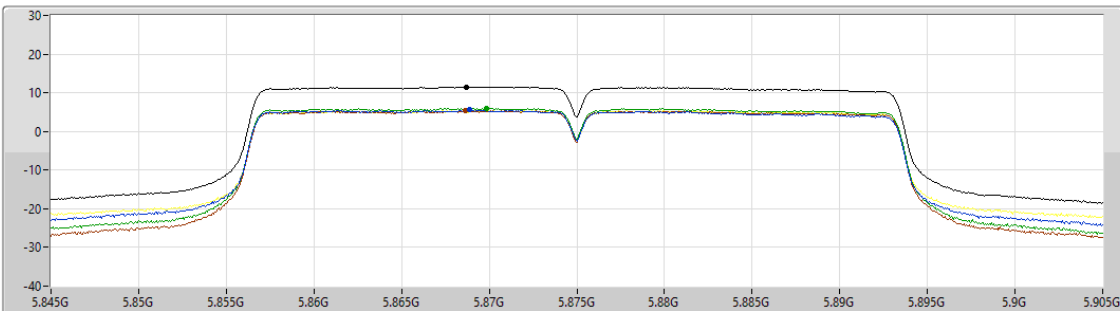
5.725-5.895GHz_802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5875MHz

04/11/2022

CF
5.875GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 3
Port 5
Port 8

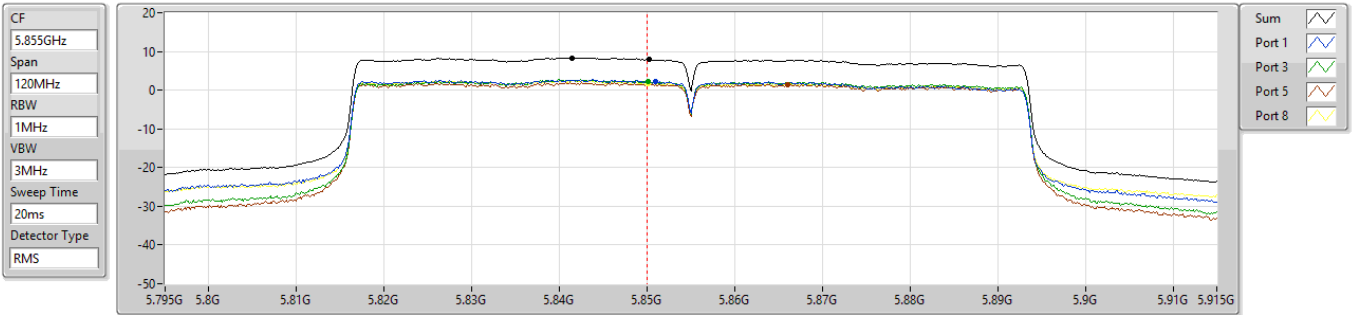
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.48	11.48	5.60	-	5.99	-	5.31	-	-	5.42

5.725-5.895GHz_802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5855MHz

04/11/2022



5725-5850MHz

Sum (dBm)	PD (dBm)	Limit RBW (Hz)	BWCF (dB)
8.32	5.31	500k	-3.01

5850-5895MHz

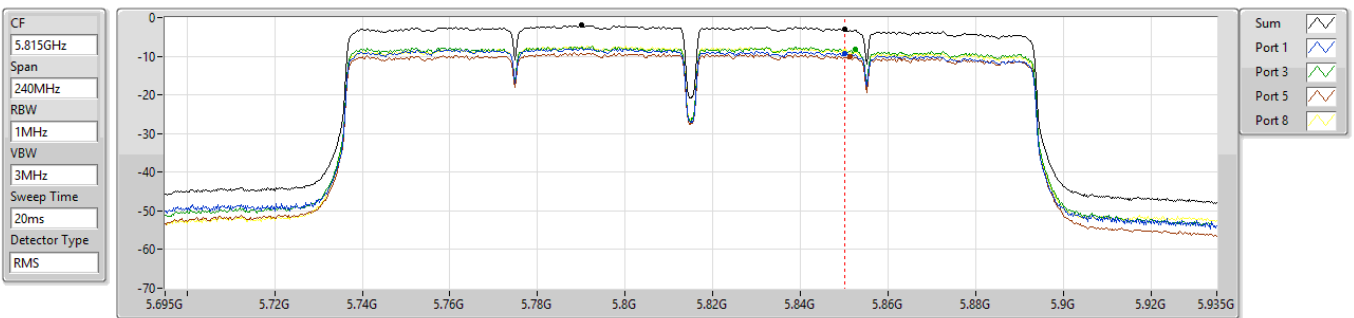
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)
7.94	7.94	2.12	-	2.31	-	1.50	-	-	1.81

5.725-5.895GHz_802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5815MHz

04/11/2022



5725-5850MHz

Sum (dBm)	PD (dBm)	Limit RBW (Hz)	BWCF (dB)
-1.97	-4.98	500k	-3.01

5850-5895MHz

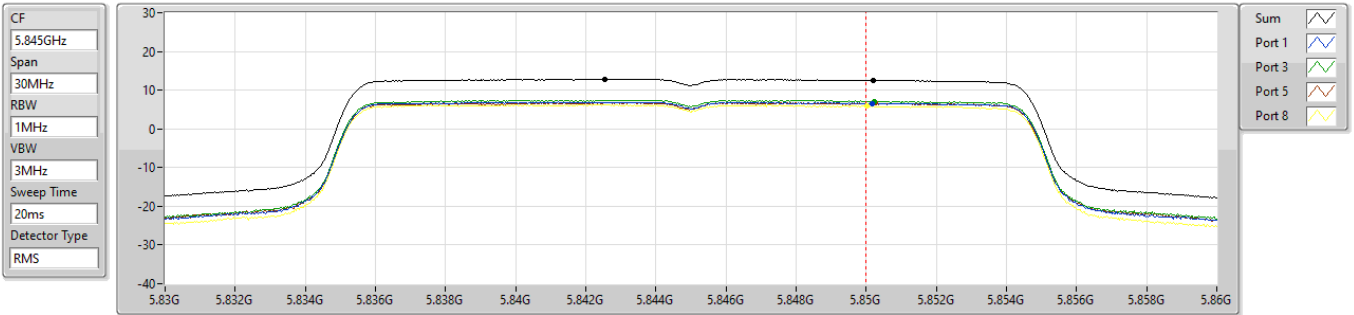
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)
-3.05	-3.05	-9.18	-	-8.24	-	-10.25	-	-	-8.75

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5845MHz

25/10/2022



5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm/RBW)	(dBm)	(Hz)	(dB)
12.81	9.80	500k	-3.01

5850-5895MHz

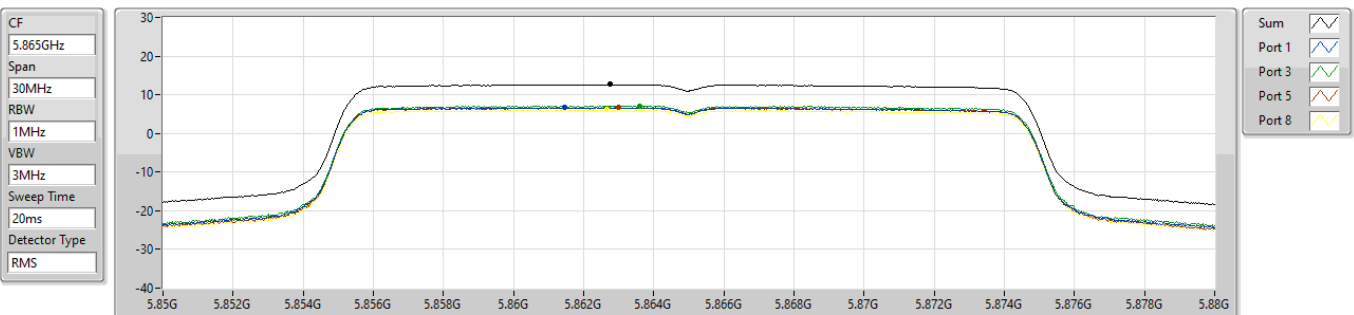
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.57	12.57	6.60	-	7.16	-	6.65	-	-	5.86

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5865MHz

25/10/2022



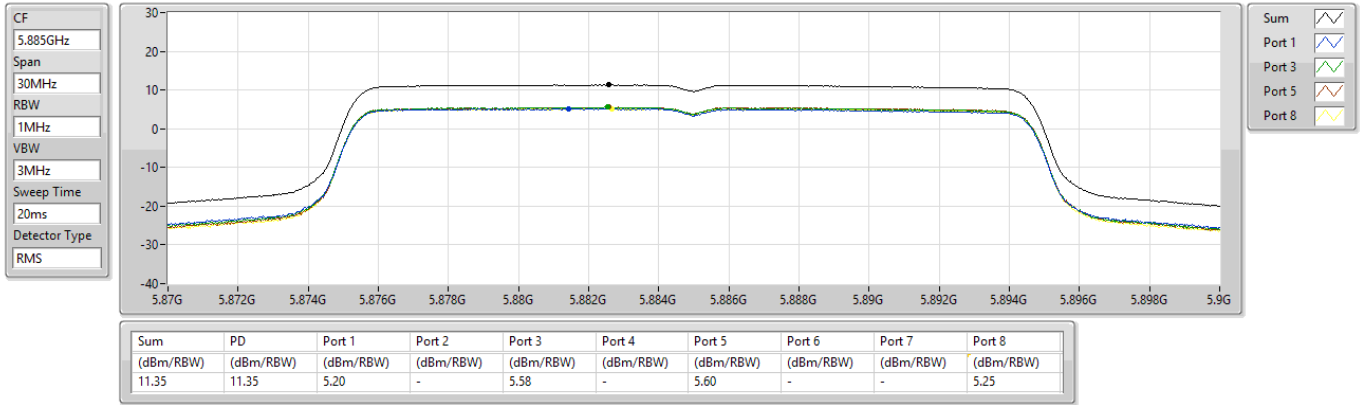
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.65	12.65	6.74	-	7.14	-	6.79	-	-	6.09

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5885MHz

07/11/2022

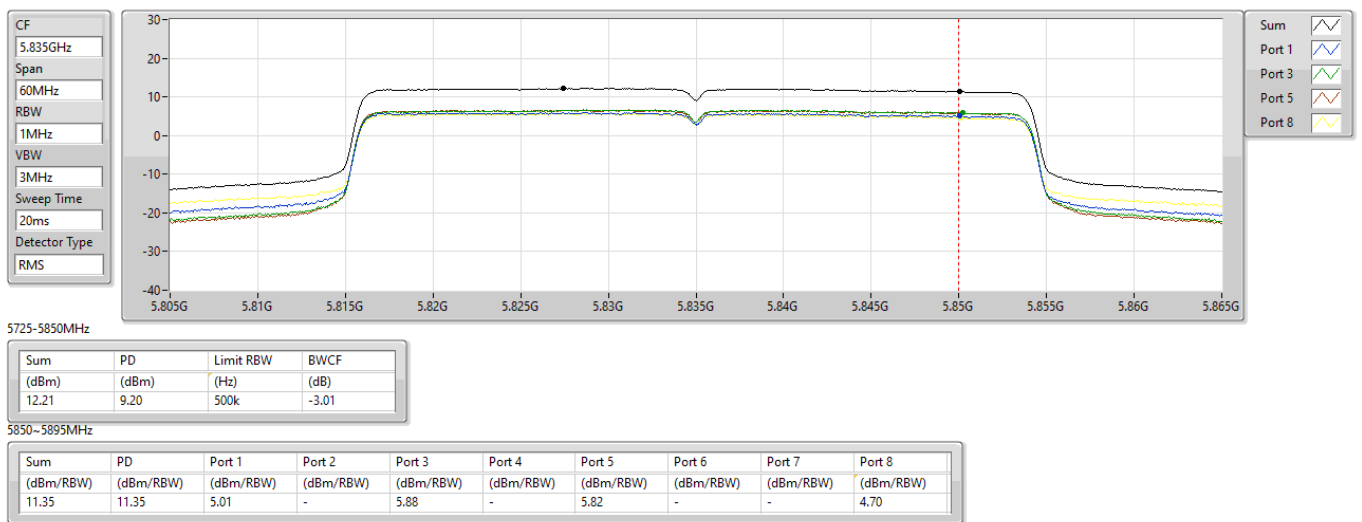


5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5835MHz

27/10/2022



5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5875MHz

25/10/2022

CF
5.875GHz

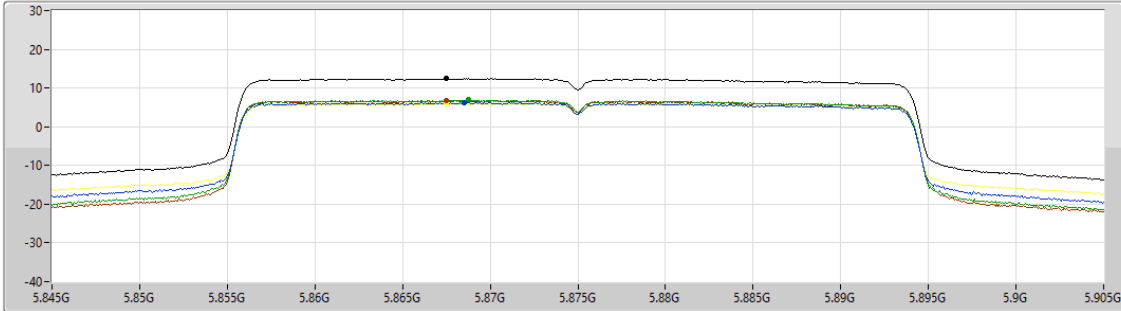
Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 3

Port 5

Port 8

Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.41	12.41	6.19	-	6.93	-	6.84	-	-	6.05

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5855MHz

27/10/2022

CF
5.855GHz

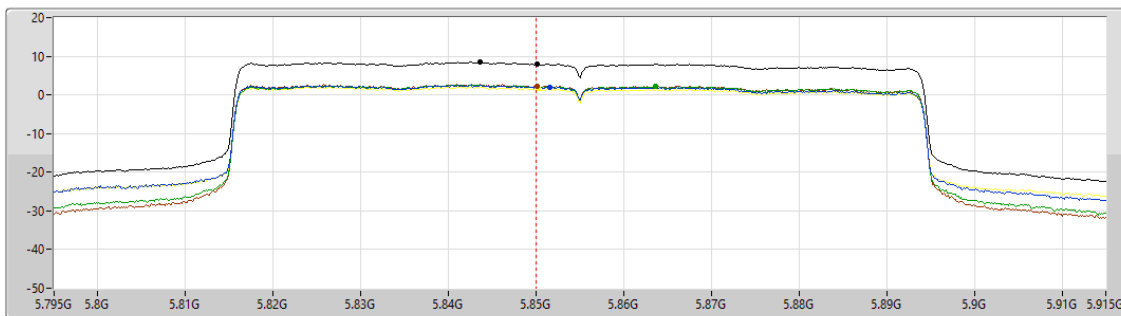
Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 3

Port 5

Port 8

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
8.43	5.42	500k	-3.01

5850-5895MHz

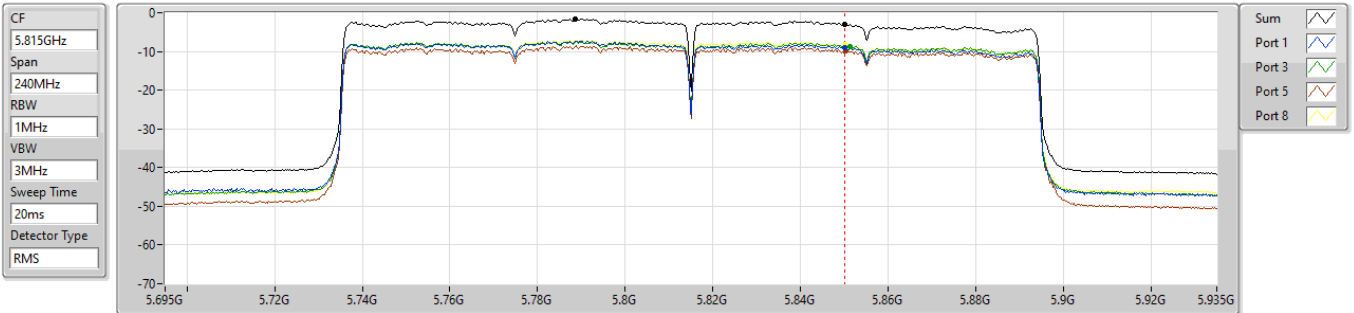
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.02	8.02	2.07	-	2.17	-	2.35	-	-	1.57

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5815MHz

27/10/2022



5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
-1.65	-4.66	500k	-3.01

5850-5895MHz

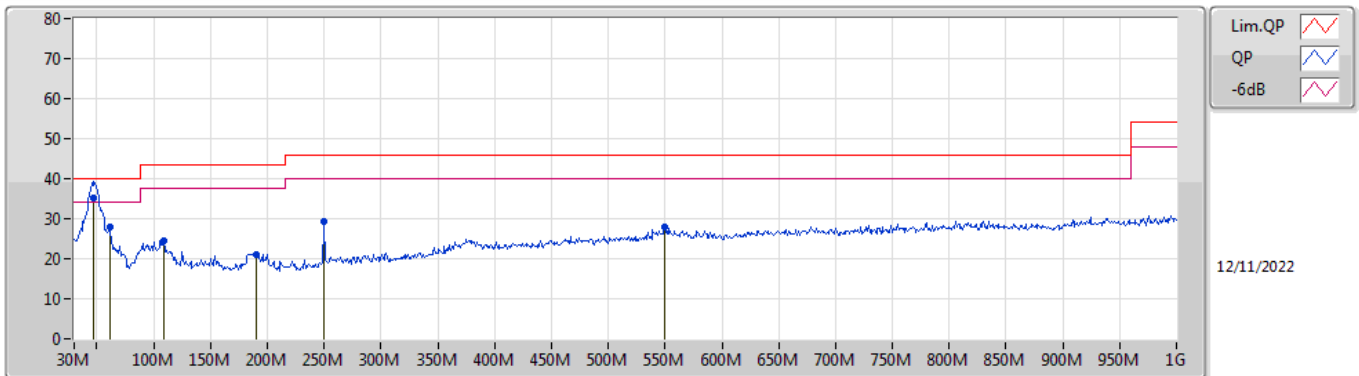
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.95	-2.95	-8.94	-	-8.68	-	-9.93	-	-	-8.31



Summary

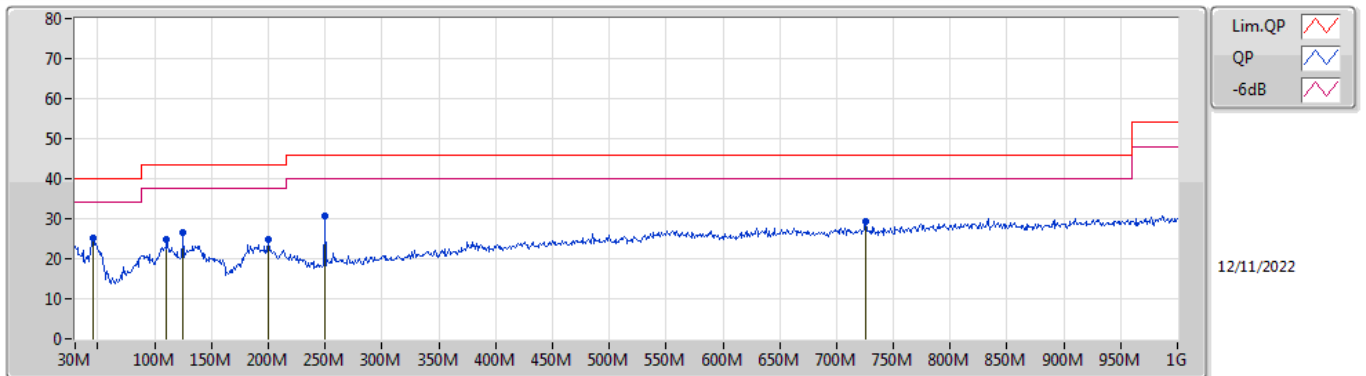
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	47.46M	35.22	40.00	-4.78	Vertical

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	47.46M	35.22	40.00	-4.78	-16.29	3	Vertical	335	1.00	"Worst"	51.51	14.91	0.64	31.84
PK	61.04M	27.94	40.00	-12.06	-18.91	3	Vertical	59	1.00	-	46.85	12.23	0.78	31.92
PK	108.57M	24.39	43.50	-19.11	-13.26	3	Vertical	188	1.00	-	37.65	17.55	1.16	31.97
PK	190.05M	21.18	43.50	-22.32	-15.53	3	Vertical	341	1.00	-	36.71	14.80	1.68	32.01
PK	250.19M	29.42	46.00	-16.58	-11.78	3	Vertical	359	1.50	-	41.20	18.22	2.00	32.00
PK	549.92M	27.78	46.00	-18.22	-4.73	3	Vertical	1	1.25	-	32.51	24.48	3.17	32.38

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	45.52M	25.34	40.00	-14.66	-15.43	3	Horizontal	245	3.00	"Worst"	40.77	15.78	0.62	31.83
PK	110.51M	24.70	43.50	-18.80	-13.19	3	Horizontal	248	3.00	-	37.89	17.61	1.17	31.97
PK	125.06M	26.48	43.50	-17.02	-12.81	3	Horizontal	94	3.00	-	39.29	17.89	1.28	31.98
PK	199.75M	24.77	43.50	-18.73	-15.19	3	Horizontal	259	1.50	-	39.96	15.10	1.73	32.02
PK	250.19M	30.65	46.00	-15.35	-11.78	3	Horizontal	252	1.25	-	42.43	18.22	2.00	32.00
PK	725.49M	29.18	46.00	-16.82	-4.07	3	Horizontal	148	1.25	-	33.25	24.83	3.69	32.59

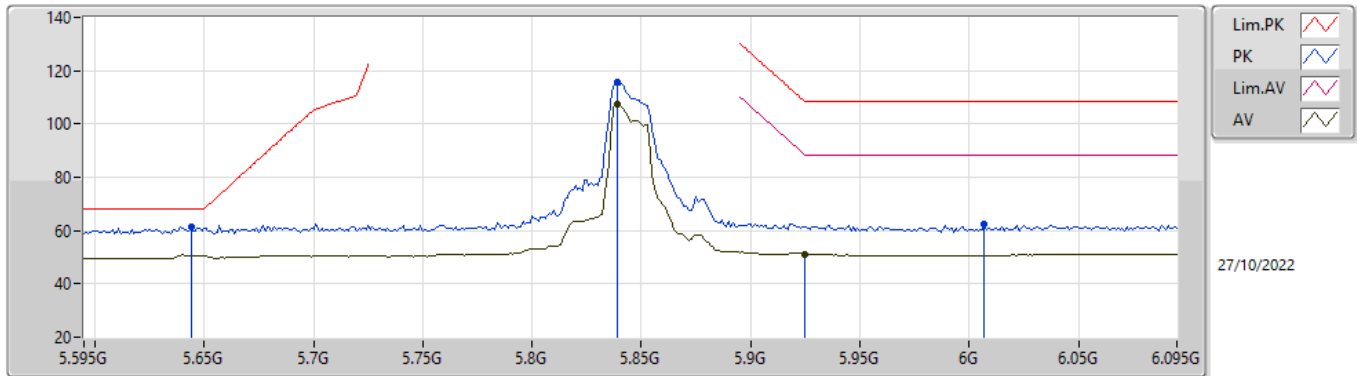


Summary

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)_4TX	Pass	PK	5.639G	68.16	68.20	-0.04	3	Horizontal	345	2.18	-

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5845MHz_TX

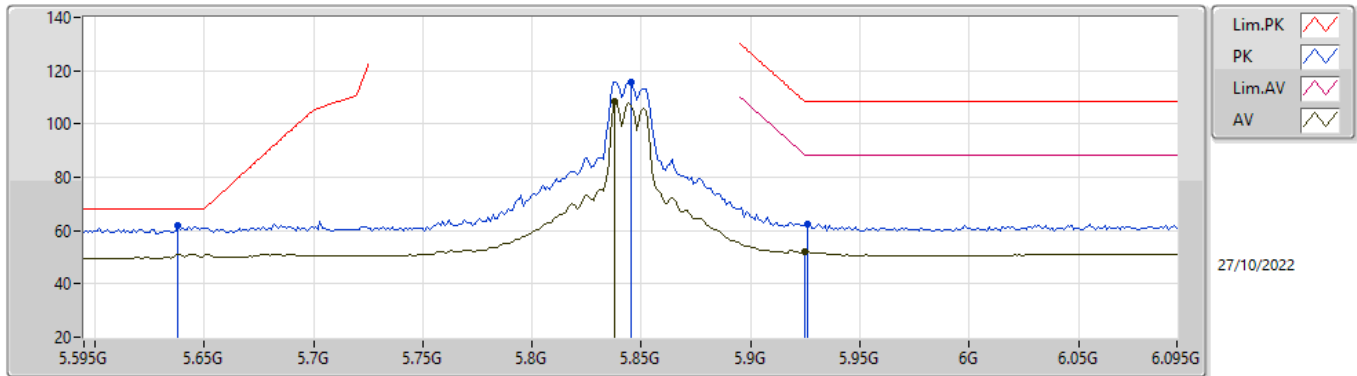


EUTX_4TX
Setting 74
01-H-C-6-10

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	61.39	68.20	-6.81	55.07	3	Vertical	354	1.32	-	32.80	6.22	32.70
PK	5.839G	115.58	Inf	-Inf	108.06	3	Vertical	354	1.32	-	33.98	6.32	32.78
AV	5.839G	107.45	Inf	-Inf	99.93	3	Vertical	354	1.32	-	33.98	6.32	32.78
PK	6.007G	62.51	108.20	-45.69	54.84	3	Vertical	354	1.32	-	34.11	6.40	32.84
RMS	5.925G	51.26	88.20	-36.94	43.56	3	Vertical	354	1.32	-	34.15	6.36	32.81

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5845MHz_TX

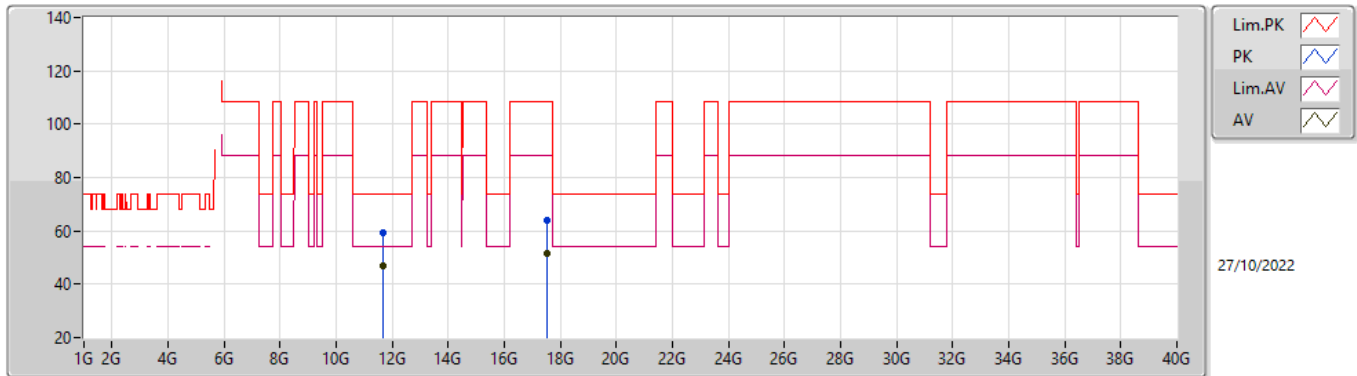


EUT_X_4TX
 Setting 74
 01-H-C-6-10

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	62.02	68.20	-6.18	55.70	3	Horizontal	350	2.00	-	32.80	6.22	32.70
PK	5.845G	115.81	Inf	-Inf	108.28	3	Horizontal	350	2.00	-	33.99	6.32	32.78
AV	5.838G	108.49	Inf	-Inf	100.97	3	Horizontal	350	2.00	-	33.98	6.32	32.78
PK	5.926G	62.48	108.20	-45.72	54.78	3	Horizontal	350	2.00	-	34.15	6.36	32.81
RMS	5.925G	52.15	88.20	-36.05	44.45	3	Horizontal	350	2.00	-	34.15	6.36	32.81

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5845MHz_TX

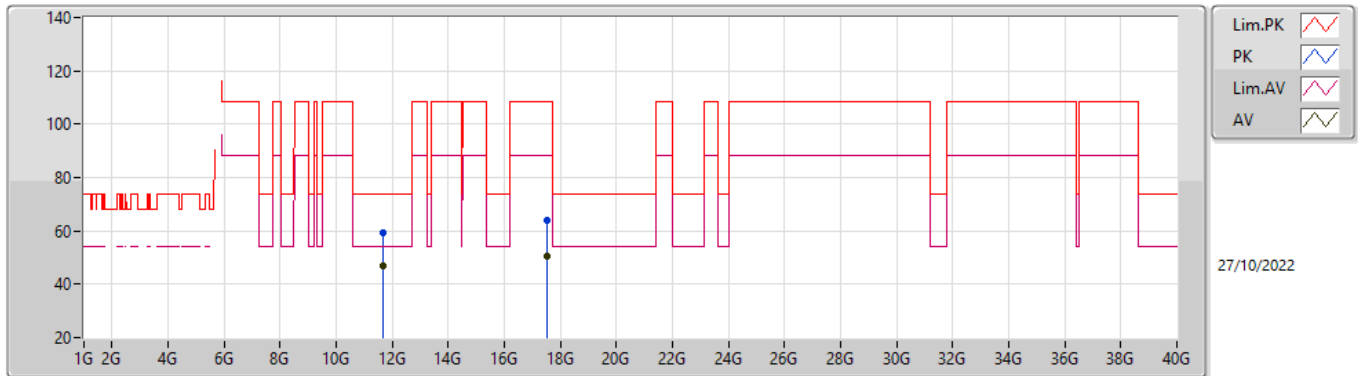


EUT_X_4TX
Setting 74
01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.68702G	59.07	74.00	-14.93	43.06	3	Vertical	124	1.08	-	38.71	8.97	31.67
AV	11.68512G	46.84	54.00	-7.16	30.83	3	Vertical	124	1.08	-	38.71	8.97	31.67
PK	17.53498G	64.16	108.20	-44.04	43.61	3	Vertical	143	2.62	-	39.84	11.31	30.60
RMS	17.5325G	51.77	88.20	-36.43	31.23	3	Vertical	143	2.62	-	39.83	11.31	30.60

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5845MHz_TX

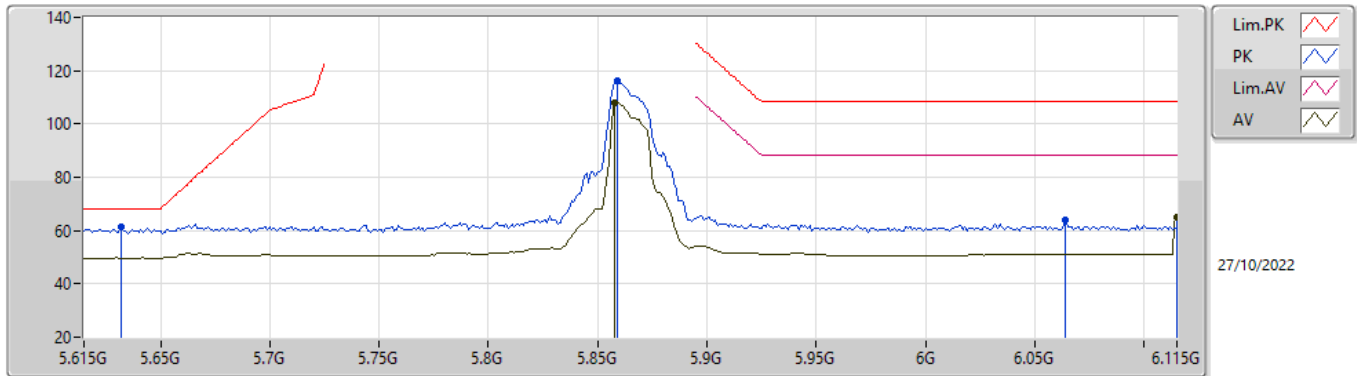


EUT_X_4TX
Setting 74
01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.68668G	59.42	74.00	-14.58	43.41	3	Horizontal	255	2.73	-	38.71	8.97	31.67
AV	11.68678G	46.80	54.00	-7.20	30.79	3	Horizontal	255	2.73	-	38.71	8.97	31.67
PK	17.53704G	63.72	108.20	-44.48	43.15	3	Horizontal	166	2.02	-	39.86	11.31	30.60
RMS	17.53251G	50.65	88.20	-37.55	30.11	3	Horizontal	166	2.02	-	39.83	11.31	30.60

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5865MHz_TX

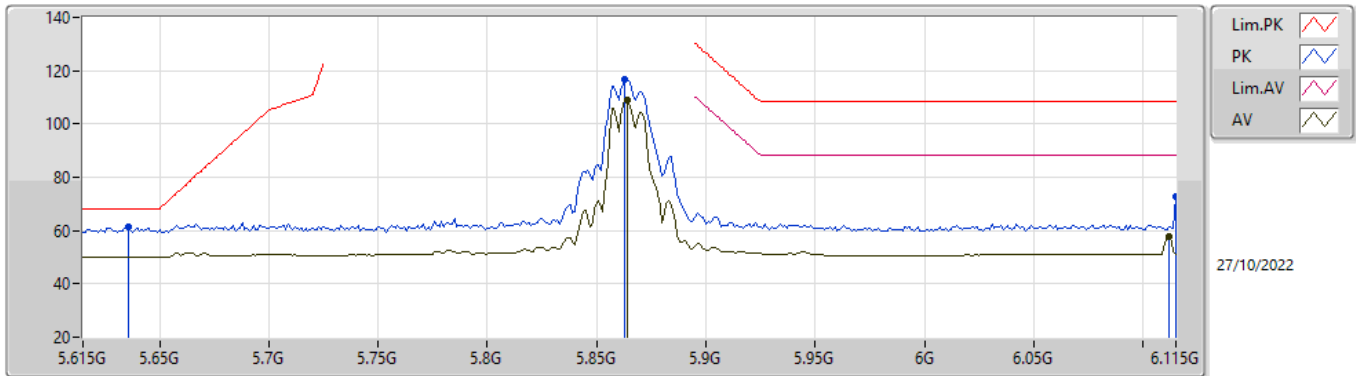


EUTX_4TX
 Setting 73
 01-H-C-6-10

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	5.632G	61.24	68.20	-6.96	54.91	3	Vertical	356	1.42	-	32.80	6.22	32.69
PK	5.859G	116.04	Inf	-Inf	108.45	3	Vertical	356	1.42	-	34.04	6.33	32.78
AV	5.858G	107.79	Inf	-Inf	100.21	3	Vertical	356	1.42	-	34.03	6.33	32.78
PK	6.064G	63.84	108.20	-44.36	56.08	3	Vertical	356	1.42	-	34.17	6.43	32.84
RMS	6.115G	64.91	88.20	-23.29	57.16	3	Vertical	356	1.42	-	34.13	6.46	32.84

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5865MHz_TX

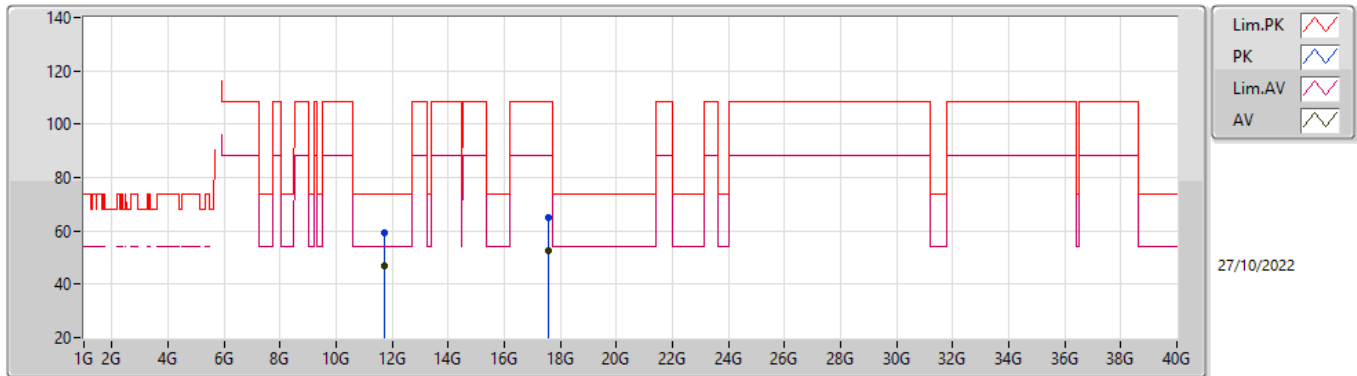


EUTX_4TX
 Setting 73
 01-H-C-6-10

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	5.636G	61.47	68.20	-6.73	55.14	3	Horizontal	344	2.25	-	32.80	6.22	32.69
PK	5.863G	116.90	Inf	-Inf	109.31	3	Horizontal	344	2.25	-	34.05	6.33	32.79
AV	5.864G	109.00	Inf	-Inf	101.40	3	Horizontal	344	2.25	-	34.06	6.33	32.79
PK	6.115G	72.98	108.20	-35.22	65.23	3	Horizontal	344	2.25	-	34.13	6.46	32.84
RMS	6.112G	57.55	88.20	-30.65	49.81	3	Horizontal	344	2.25	-	34.12	6.46	32.84

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5865MHz_TX

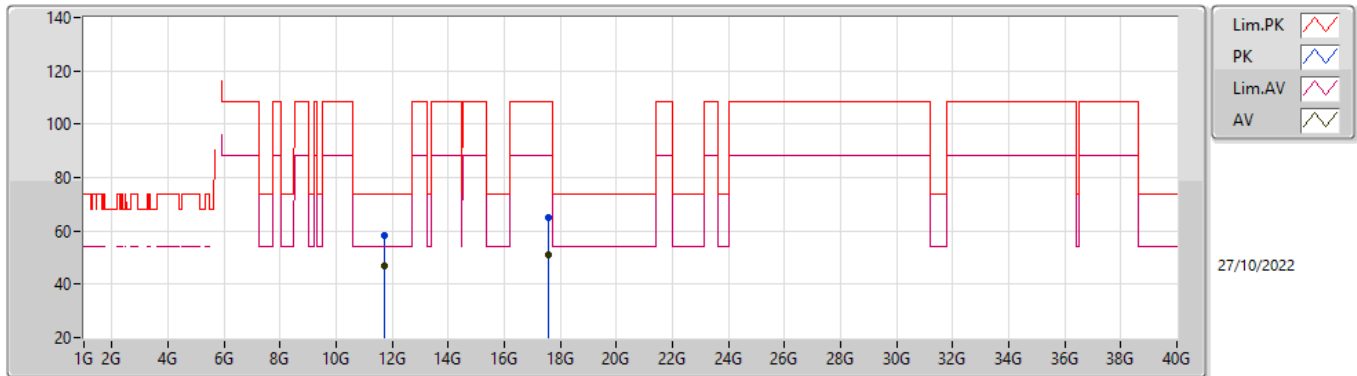


EUT_X_4TX
 Setting 73
 01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.72514G	59.34	74.00	-14.66	43.33	3	Vertical	136	1.76	-	38.67	8.99	31.65
AV	11.72553G	47.04	54.00	-6.96	31.03	3	Vertical	136	1.76	-	38.67	8.99	31.65
PK	17.58336G	65.06	108.20	-43.14	44.16	3	Vertical	235	1.80	-	40.18	11.33	30.61
RMS	17.59524G	52.36	88.20	-35.84	31.36	3	Vertical	235	1.80	-	40.27	11.34	30.61

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5865MHz_TX

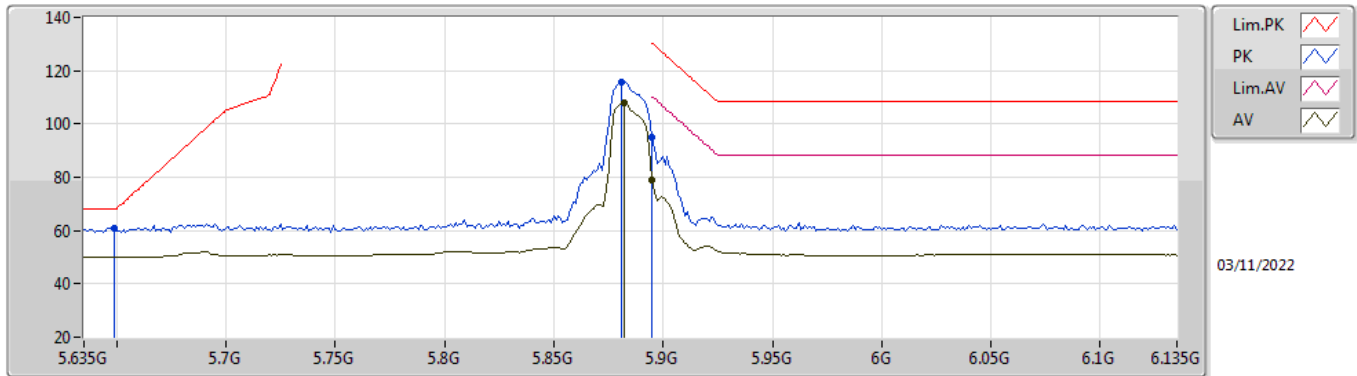


EUT_X_4TX
 Setting 73
 01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.72596G	58.49	74.00	-15.51	42.48	3	Horizontal	349	1.00	-	38.67	8.99	31.65
AV	11.72625G	47.04	54.00	-6.96	31.03	3	Horizontal	349	1.00	-	38.67	8.99	31.65
PK	17.58516G	64.75	108.20	-43.45	43.83	3	Horizontal	76	2.32	-	40.20	11.33	30.61
RMS	17.59661G	51.04	88.20	-37.16	30.03	3	Horizontal	76	2.32	-	40.28	11.34	30.61

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5885MHz_TX

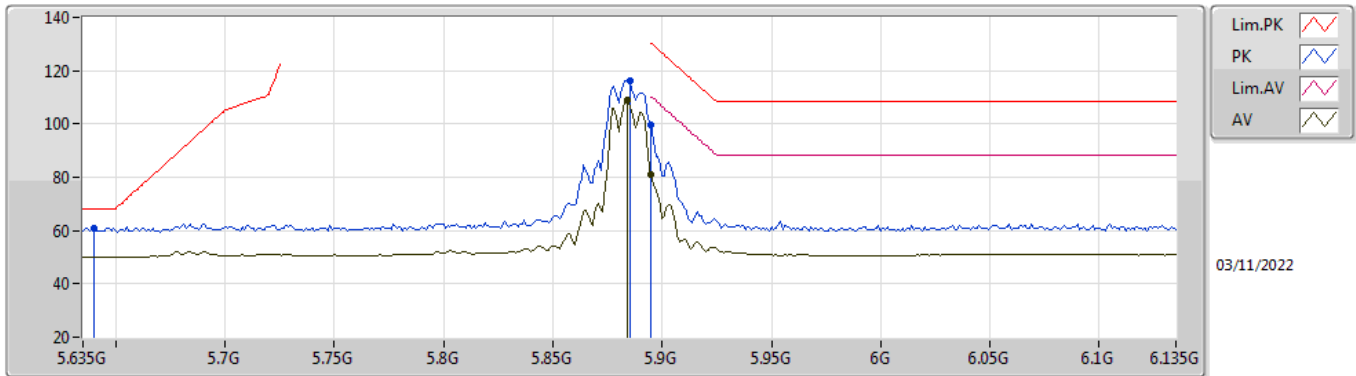


EUT X_4TX
 Setting 74
 01-H-C-6-10

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	60.92	68.20	-7.28	54.60	3	Vertical	358	1.15	-	32.80	6.22	32.70
PK	5.881G	115.70	Inf	-Inf	108.03	3	Vertical	358	1.15	-	34.12	6.34	32.79
AV	5.882G	107.83	Inf	-Inf	100.15	3	Vertical	358	1.15	-	34.13	6.34	32.79
PK	5.895G	95.24	130.20	-34.96	87.51	3	Vertical	358	1.15	-	34.18	6.35	32.80
RMS	5.895G	79.19	110.20	-31.01	71.46	3	Vertical	358	1.15	-	34.18	6.35	32.80

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5885MHz_TX

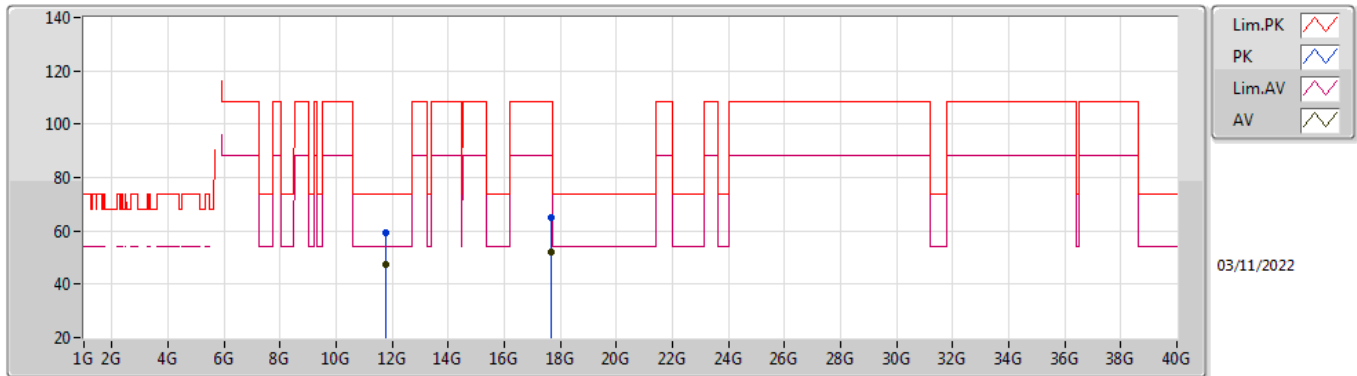


EUT_X_4TX
 Setting 74
 01-H-C-6-10

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	5.64G	61.11	68.20	-7.09	54.79	3	Horizontal	345	2.26	-	32.80	6.22	32.70
PK	5.885G	116.33	Inf	-Inf	108.64	3	Horizontal	345	2.26	-	34.14	6.34	32.79
AV	5.884G	108.78	Inf	-Inf	101.09	3	Horizontal	345	2.26	-	34.14	6.34	32.79
PK	5.895G	99.50	130.20	-30.70	91.77	3	Horizontal	345	2.26	-	34.18	6.35	32.80
RMS	5.895G	80.94	110.20	-29.26	73.21	3	Horizontal	345	2.26	-	34.18	6.35	32.80

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5885MHz_TX

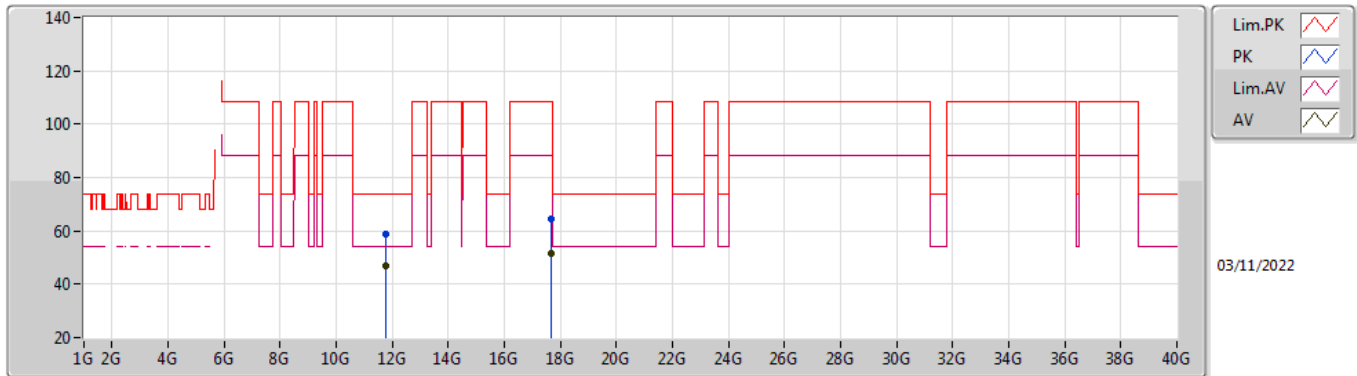


EUT_X_4TX
 Setting 74
 01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.76772G	59.32	74.00	-14.68	43.31	3	Vertical	136	1.71	-	38.63	9.01	31.63
AV	11.76706G	47.16	54.00	-6.84	31.15	3	Vertical	136	1.71	-	38.63	9.01	31.63
PK	17.6625G	65.06	108.20	-43.14	43.58	3	Vertical	112	1.80	-	40.74	11.36	30.62
RMS	17.65255G	52.04	88.20	-36.16	30.63	3	Vertical	112	1.80	-	40.67	11.36	30.62

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

5885MHz_TX

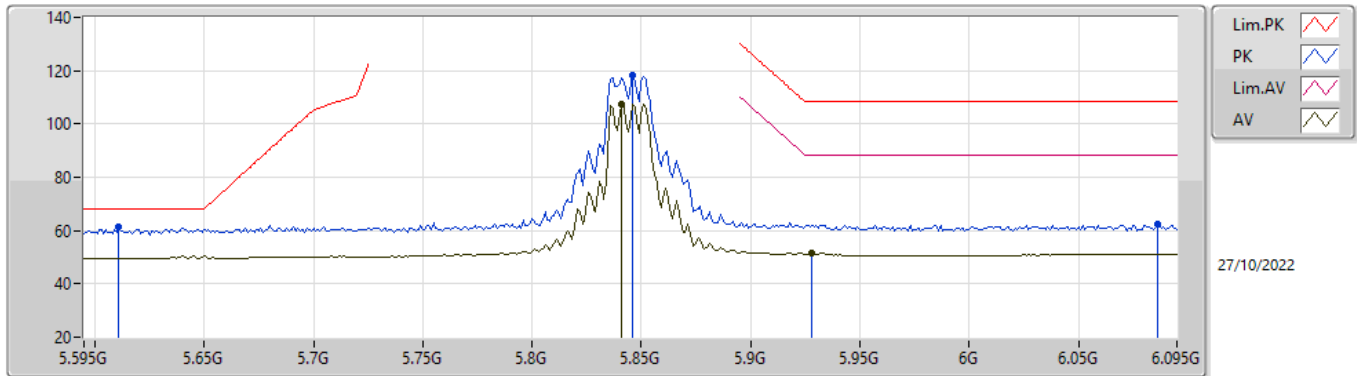


EUT_X_4TX
 Setting 74
 01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.76592G	58.56	74.00	-15.44	42.55	3	Horizontal	94	1.17	-	38.63	9.01	31.63
AV	11.76706G	46.93	54.00	-7.07	30.92	3	Horizontal	94	1.17	-	38.63	9.01	31.63
PK	17.66844G	64.70	108.20	-43.50	43.17	3	Horizontal	327	1.87	-	40.78	11.37	30.62
RMS	17.65265G	51.47	88.20	-36.73	30.06	3	Horizontal	327	1.87	-	40.67	11.36	30.62

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5845MHz_TX

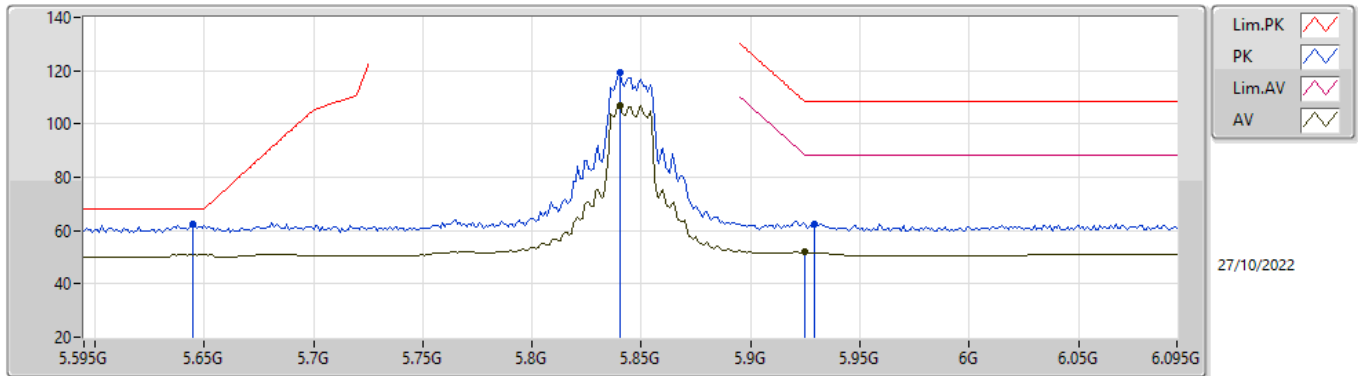


EUTX_4TX
 Setting 75
 01-H-C-6-10

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	5.611G	61.40	68.20	-6.80	55.07	3	Vertical	356	2.45	-	32.80	6.21	32.68
PK	5.846G	118.27	Inf	-Inf	110.74	3	Vertical	356	2.45	-	33.99	6.32	32.78
AV	5.841G	107.57	Inf	-Inf	100.05	3	Vertical	356	2.45	-	33.98	6.32	32.78
PK	6.086G	62.57	108.20	-45.63	54.84	3	Vertical	356	2.45	-	34.13	6.44	32.84
RMS	5.928G	51.50	88.20	-36.70	43.81	3	Vertical	356	2.45	-	34.14	6.36	32.81

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5845MHz_TX

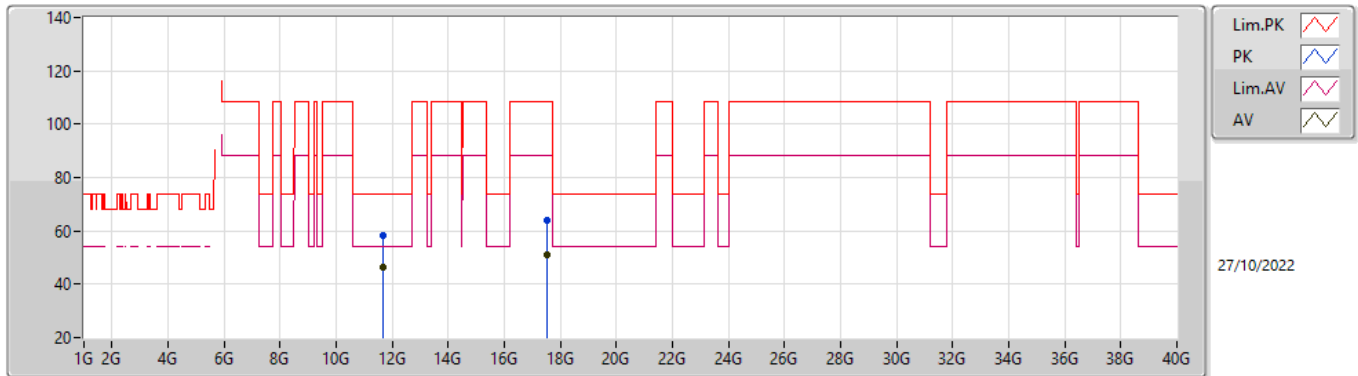


EUTX_4TX
Setting 75
01-H-C-6-10

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	62.45	68.20	-5.75	56.13	3	Horizontal	344	2.17	-	32.80	6.22	32.70
PK	5.84G	119.09	Inf	-Inf	111.57	3	Horizontal	344	2.17	-	33.98	6.32	32.78
AV	5.84G	107.10	Inf	-Inf	99.58	3	Horizontal	344	2.17	-	33.98	6.32	32.78
PK	5.929G	62.53	108.20	-45.67	54.84	3	Horizontal	344	2.17	-	34.14	6.36	32.81
RMS	5.925G	51.95	88.20	-36.25	44.25	3	Horizontal	344	2.17	-	34.15	6.36	32.81

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5845MHz_TX

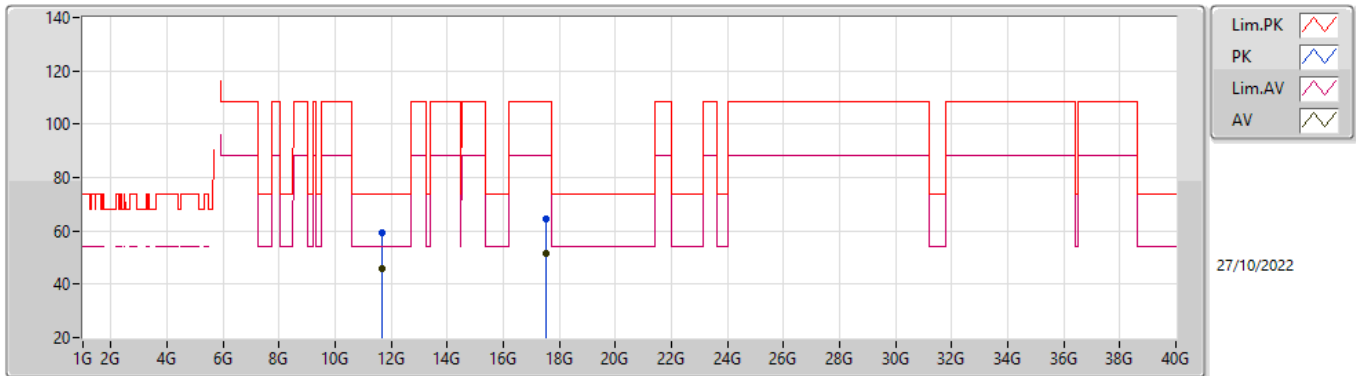


EUT_X_4TX
Setting 75
01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69636G	58.33	74.00	-15.67	42.31	3	Vertical	356	1.69	-	38.70	8.98	31.66
AV	11.69096G	46.18	54.00	-7.82	30.15	3	Vertical	356	1.69	-	38.71	8.98	31.66
PK	17.52516G	63.83	108.20	-44.37	43.34	3	Vertical	74	1.93	-	39.78	11.31	30.60
RMS	17.53271G	51.02	88.20	-37.18	30.48	3	Vertical	74	1.93	-	39.83	11.31	30.60

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5845MHz_TX

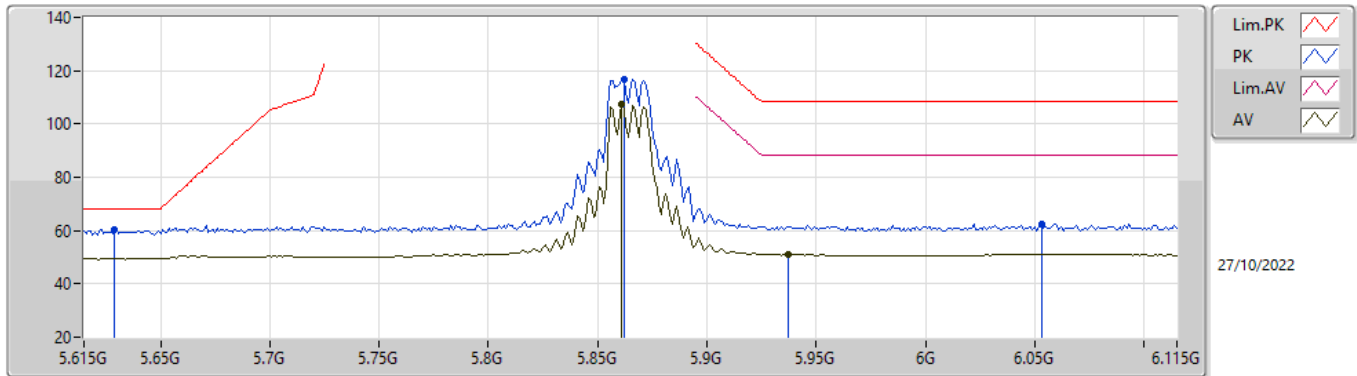


EUT_X_4TX
 Setting 75
 01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69066G	59.15	74.00	-14.85	43.12	3	Horizontal	149	1.82	-	38.71	8.98	31.66
AV	11.69084G	46.00	54.00	-8.00	29.97	3	Horizontal	149	1.82	-	38.71	8.98	31.66
PK	17.52348G	64.52	108.20	-43.68	44.04	3	Horizontal	107	1.80	-	39.76	11.31	30.59
RMS	17.53251G	51.73	88.20	-36.47	31.19	3	Horizontal	107	1.80	-	39.83	11.31	30.60

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5865MHz_TX

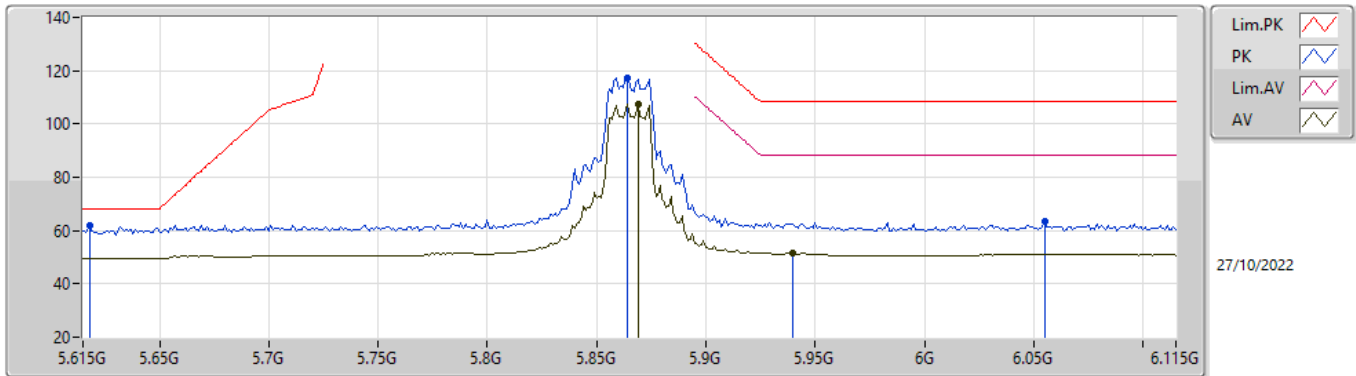


EUTX_4TX
Setting 74
01-H-C-6-10

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	5.629G	60.40	68.20	-7.80	54.08	3	Vertical	357	2.43	-	32.80	6.21	32.69
PK	5.862G	116.90	Inf	-Inf	109.30	3	Vertical	357	2.43	-	34.05	6.33	32.78
AV	5.861G	107.19	Inf	-Inf	99.60	3	Vertical	357	2.43	-	34.04	6.33	32.78
PK	6.053G	62.47	108.20	-45.73	54.69	3	Vertical	357	2.43	-	34.19	6.43	32.84
RMS	5.937G	51.24	88.20	-36.96	43.55	3	Vertical	357	2.43	-	34.13	6.37	32.81

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5865MHz_TX

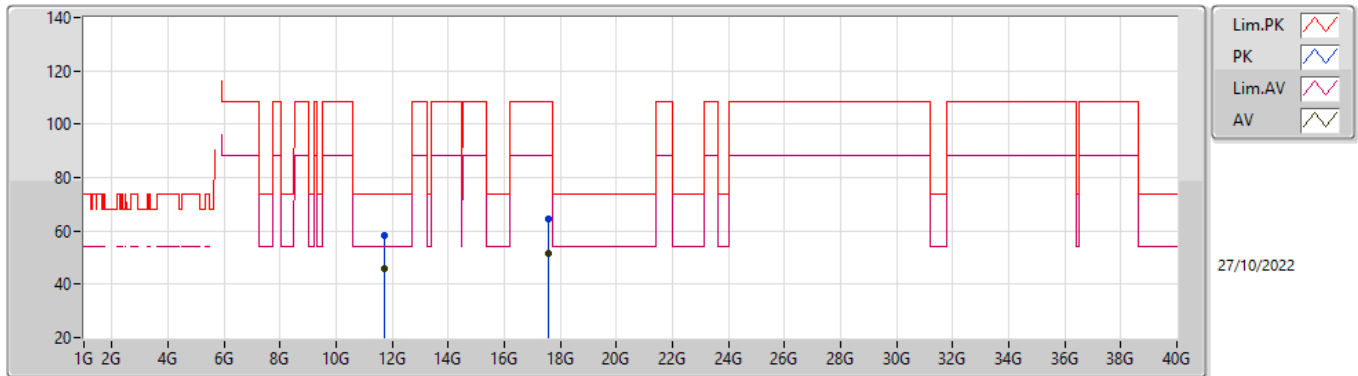


EUTX_4TX
 Setting 74
 01-H-C-6-10

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	61.79	68.20	-6.41	55.47	3	Horizontal	328	2.28	-	32.80	6.21	32.69
PK	5.864G	117.45	Inf	-Inf	109.85	3	Horizontal	328	2.28	-	34.06	6.33	32.79
AV	5.869G	107.41	Inf	-Inf	99.79	3	Horizontal	328	2.28	-	34.08	6.33	32.79
PK	6.055G	63.43	108.20	-44.77	55.65	3	Horizontal	328	2.28	-	34.19	6.43	32.84
RMS	5.94G	51.62	88.20	-36.58	43.95	3	Horizontal	328	2.28	-	34.12	6.37	32.82

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5865MHz_TX

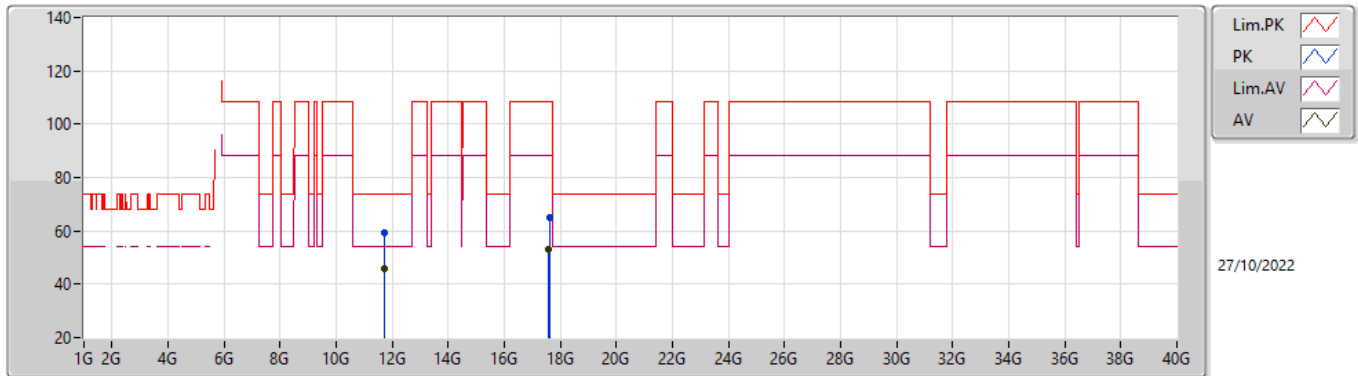


EUTX_4TX
Setting 74
01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.72988G	58.22	74.00	-15.78	42.21	3	Vertical	56	1.07	-	38.67	8.99	31.65
AV	11.72556G	46.10	54.00	-7.90	30.09	3	Vertical	56	1.07	-	38.67	8.99	31.65
PK	17.5806G	64.31	108.20	-43.89	43.43	3	Vertical	139	2.87	-	40.16	11.33	30.61
RMS	17.5925G	51.61	88.20	-36.59	30.63	3	Vertical	139	2.87	-	40.25	11.34	30.61

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5865MHz_TX

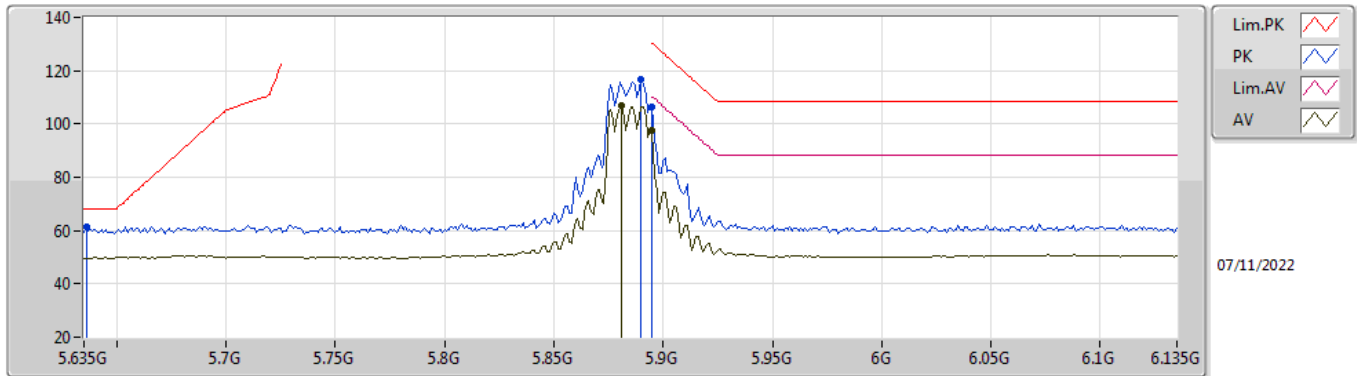


EUTX_4TX
Setting 74
01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.71638G	59.20	74.00	-14.80	43.18	3	Horizontal	146	2.81	-	38.68	8.99	31.65
AV	11.73078G	46.04	54.00	-7.96	30.03	3	Horizontal	146	2.81	-	38.67	8.99	31.65
PK	17.60316G	65.09	108.20	-43.11	44.04	3	Horizontal	250	1.80	-	40.32	11.34	30.61
RMS	17.5925G	52.97	88.20	-35.23	31.99	3	Horizontal	250	1.80	-	40.25	11.34	30.61

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5885MHz_TX

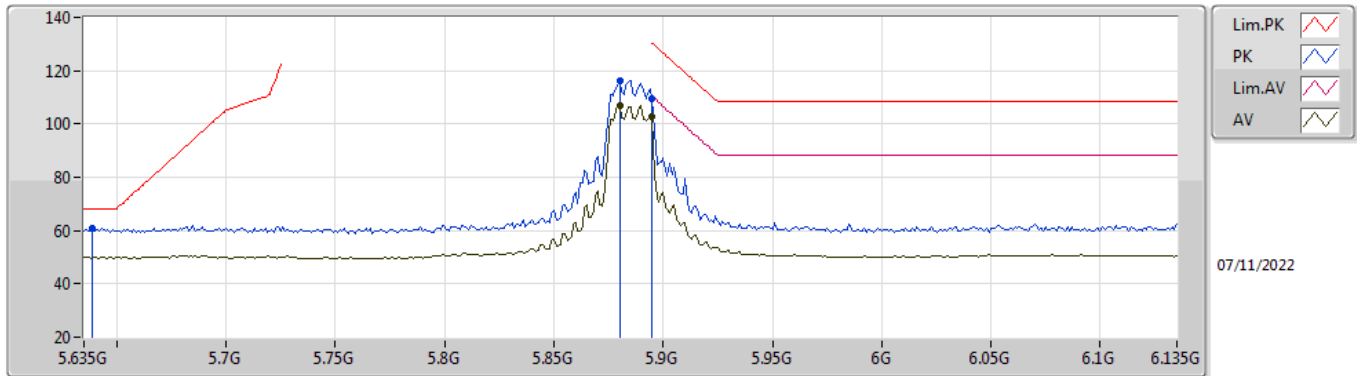


EUT X_4TX
 Setting 74
 03-H-J-8-10

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	5.636G	61.25	68.20	-6.95	54.49	3	Vertical	336	2.28	-	34.53	7.12	34.89
PK	5.89G	116.57	Inf	-Inf	109.73	3	Vertical	336	2.28	-	34.54	7.25	34.95
AV	5.881G	106.88	Inf	-Inf	100.09	3	Vertical	336	2.28	-	34.49	7.24	34.94
PK	5.895G	106.35	130.20	-23.85	99.48	3	Vertical	336	2.28	-	34.57	7.25	34.95
AV	5.895G	97.34	110.20	-12.86	90.47	3	Vertical	336	2.28	-	34.57	7.25	34.95

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5885MHz_TX

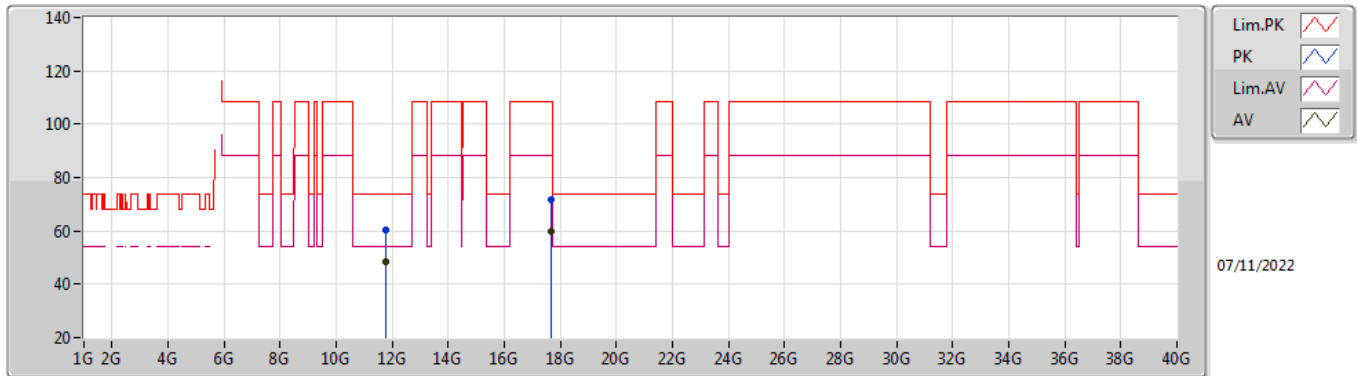


EUT X_4TX
 Setting 74
 03-H-J-8-10

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	61.04	68.20	-7.16	54.29	3	Horizontal	341	2.14	-	34.52	7.12	34.89
PK	5.88G	116.43	Inf	-Inf	109.65	3	Horizontal	341	2.14	-	34.48	7.24	34.94
AV	5.88G	107.07	Inf	-Inf	100.29	3	Horizontal	341	2.14	-	34.48	7.24	34.94
PK	5.895G	109.63	130.20	-20.57	102.76	3	Horizontal	341	2.14	-	34.57	7.25	34.95
AV	5.895G	102.75	110.20	-7.45	95.88	3	Horizontal	341	2.14	-	34.57	7.25	34.95

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5885MHz_TX

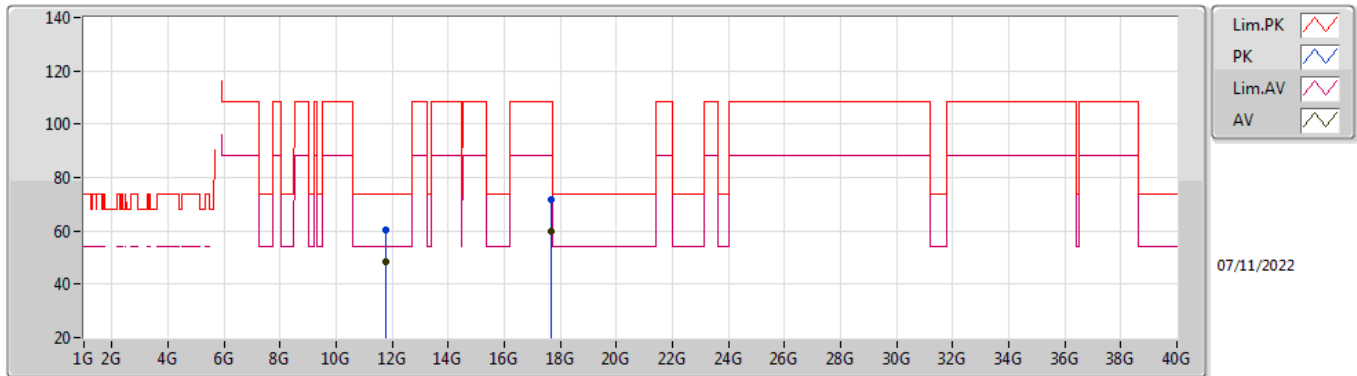


EUT_X_4TX
 Setting 74
 03-H-J-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.77708G	60.25	74.00	-13.75	42.79	3	Vertical	151	1.52	-	39.48	12.98	35.00
AV	11.77078G	48.60	54.00	-5.40	31.16	3	Vertical	151	1.52	-	39.47	12.97	35.00
PK	17.6658G	71.58	108.20	-36.62	44.01	3	Vertical	339	1.80	-	43.96	17.70	34.09
RMS	17.65728G	59.73	88.20	-28.47	32.24	3	Vertical	339	1.80	-	43.90	17.69	34.10

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5885MHz_TX

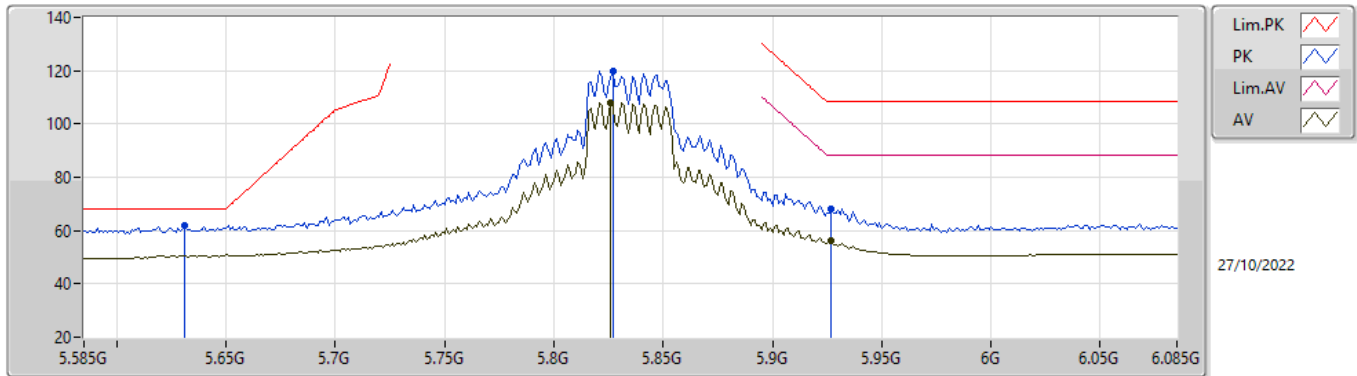


EUT_X_4TX
 Setting 74
 03-H-J-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.7796G	60.18	74.00	-13.82	42.72	3	Horizontal	223	1.80	-	39.48	12.98	35.00
AV	11.77054G	48.37	54.00	-5.63	30.93	3	Horizontal	223	1.80	-	39.47	12.97	35.00
PK	17.667G	71.59	108.20	-36.61	44.01	3	Horizontal	49	1.80	-	43.97	17.70	34.09
RMS	17.6655G	59.66	88.20	-28.54	32.09	3	Horizontal	49	1.80	-	43.96	17.70	34.09

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5835MHz_TX

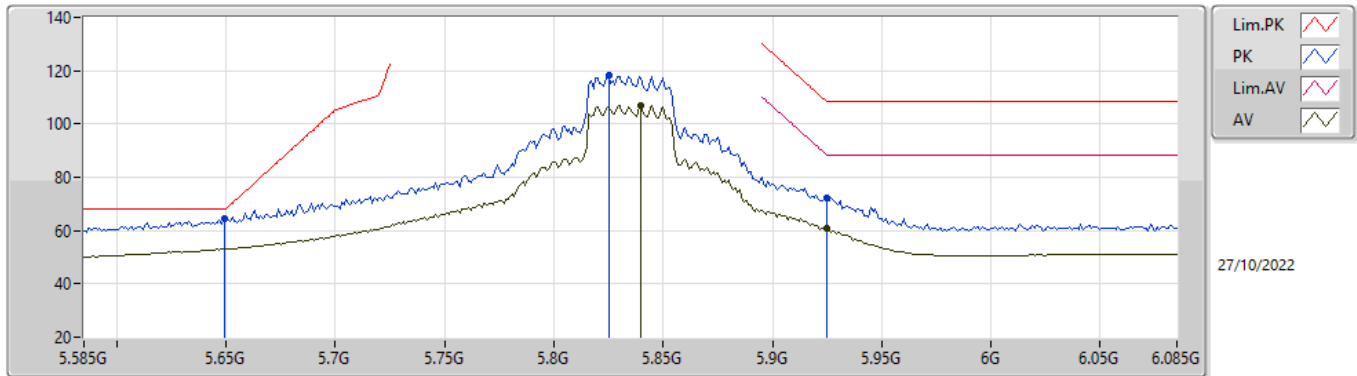


EUTX_4TX
 Setting 87
 01-H-C-6-10

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	5.631G	61.81	68.20	-6.39	55.48	3	Vertical	356	2.33	-	32.80	6.22	32.69
PK	5.827G	120.07	Inf	-Inf	112.58	3	Vertical	356	2.33	-	33.95	6.31	32.77
AV	5.826G	107.94	Inf	-Inf	100.45	3	Vertical	356	2.33	-	33.95	6.31	32.77
PK	5.927G	68.32	108.20	-39.88	60.62	3	Vertical	356	2.33	-	34.15	6.36	32.81
RMS	5.927G	56.38	88.20	-31.82	48.68	3	Vertical	356	2.33	-	34.15	6.36	32.81

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5835MHz_TX

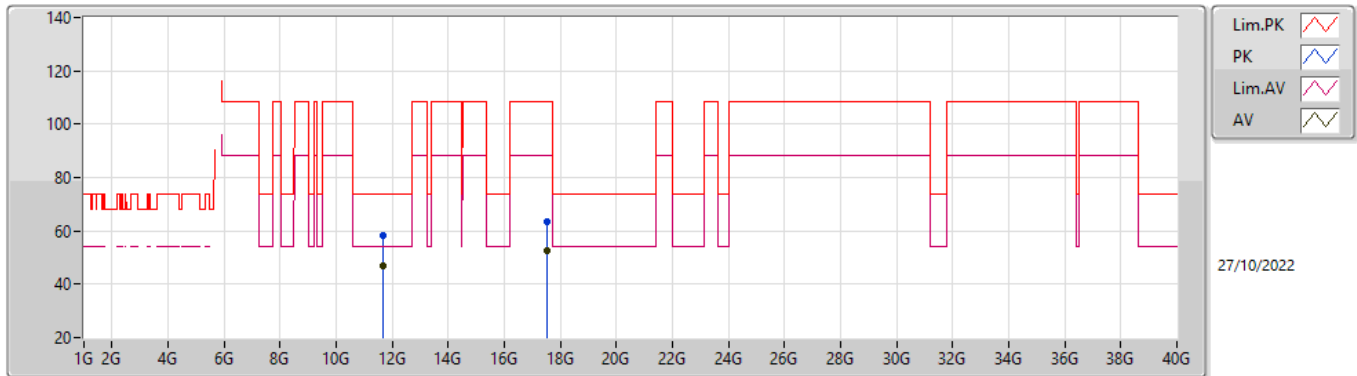


EUT_X_4TX
 Setting 87
 01-H-C-6-10

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	64.69	68.20	-3.51	58.37	3	Horizontal	344	2.09	-	32.80	6.22	32.70
PK	5.825G	118.49	Inf	-Inf	111.00	3	Horizontal	344	2.09	-	33.95	6.31	32.77
AV	5.84G	107.11	Inf	-Inf	99.59	3	Horizontal	344	2.09	-	33.98	6.32	32.78
PK	5.925G	72.31	108.20	-35.89	64.61	3	Horizontal	344	2.09	-	34.15	6.36	32.81
RMS	5.925G	60.65	88.20	-27.55	52.95	3	Horizontal	344	2.09	-	34.15	6.36	32.81

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5835MHz_TX

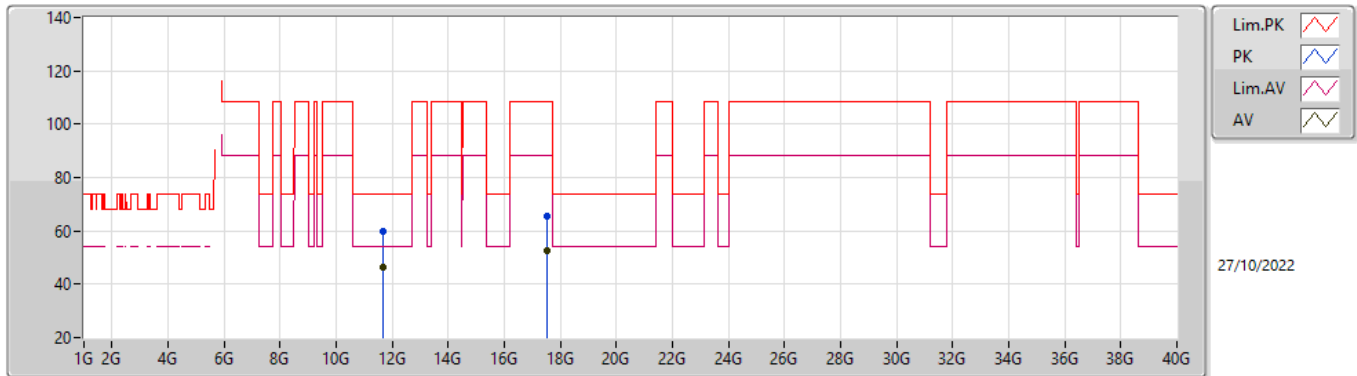


EUT_X_4TX
Setting 87
01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.66556G	58.41	74.00	-15.59	42.38	3	Vertical	77	2.78	-	38.73	8.97	31.67
AV	11.67144G	46.73	54.00	-7.27	30.70	3	Vertical	77	2.78	-	38.73	8.97	31.67
PK	17.5064G	63.43	108.20	-44.77	43.08	3	Vertical	349	2.09	-	39.64	11.30	30.59
RMS	17.5025G	52.60	88.20	-35.60	32.27	3	Vertical	349	2.09	-	39.62	11.30	30.59

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5835MHz_TX

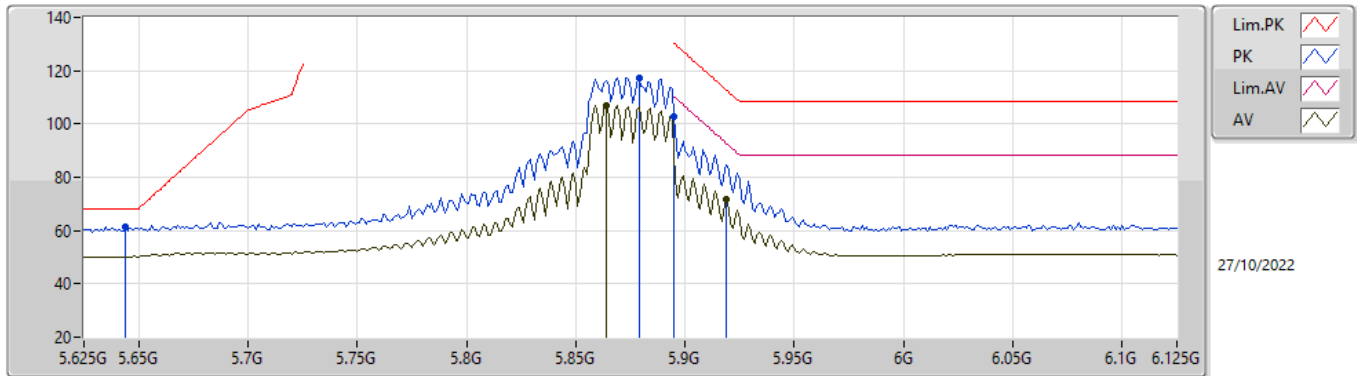


EUTX_4TX
 Setting 87
 01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6814G	59.81	74.00	-14.19	43.79	3	Horizontal	199	1.94	-	38.72	8.97	31.67
AV	11.67156G	46.57	54.00	-7.43	30.54	3	Horizontal	199	1.94	-	38.73	8.97	31.67
PK	17.51646G	65.34	108.20	-42.86	44.90	3	Horizontal	251	1.80	-	39.72	11.31	30.59
RMS	17.5125G	52.64	88.20	-35.56	32.23	3	Horizontal	251	1.80	-	39.69	11.31	30.59

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5875MHz_TX

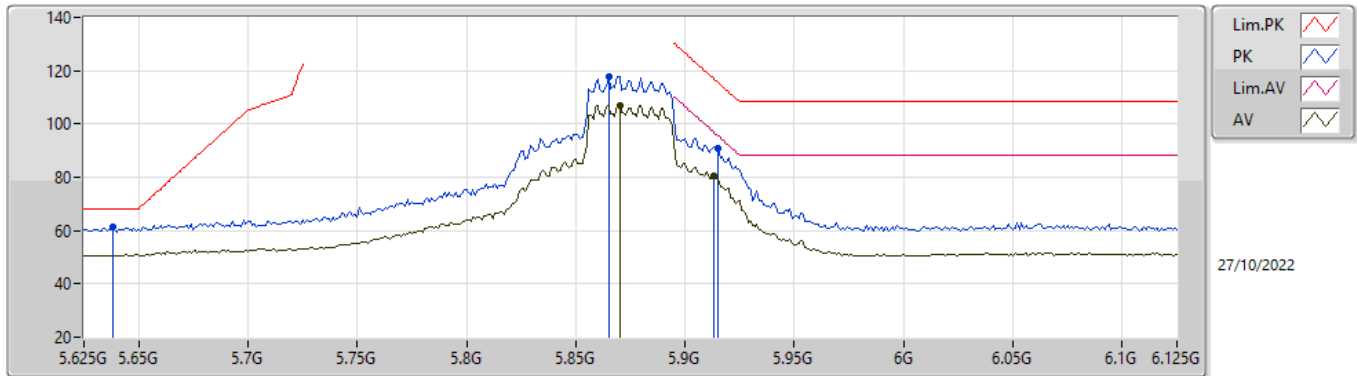


EUTX_4TX
 Setting 84
 01-H-C-6-10

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	61.27	68.20	-6.93	54.95	3	Vertical	344	1.16	-	32.80	6.22	32.70
PK	5.879G	117.31	Inf	-Inf	109.64	3	Vertical	344	1.16	-	34.12	6.34	32.79
AV	5.864G	106.92	Inf	-Inf	99.32	3	Vertical	344	1.16	-	34.06	6.33	32.79
PK	5.895G	102.97	130.20	-27.23	95.24	3	Vertical	344	1.16	-	34.18	6.35	32.80
RMS	5.919G	71.92	92.60	-20.68	64.21	3	Vertical	344	1.16	-	34.16	6.36	32.81

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5875MHz_TX

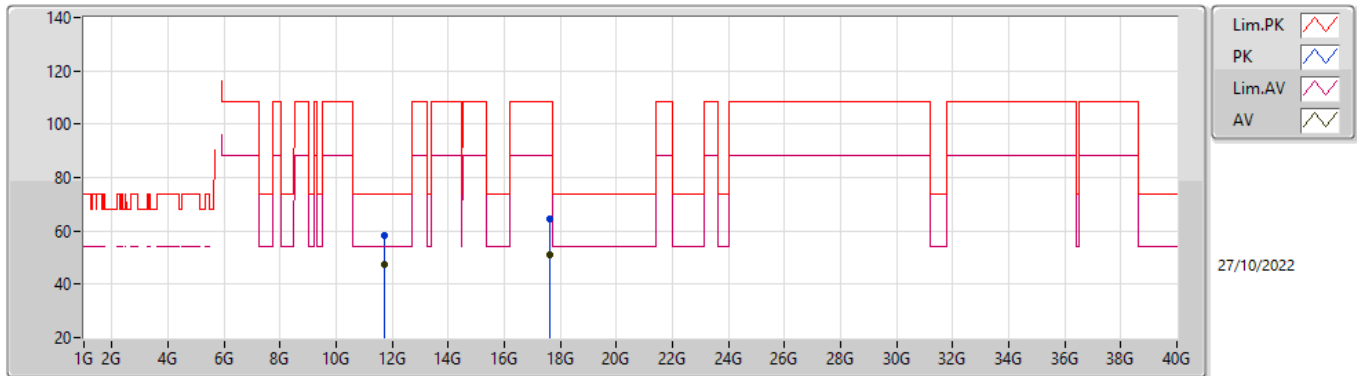


EUTX_4TX
 Setting 84
 01-H-C-6-10

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	61.39	68.20	-6.81	55.07	3	Horizontal	345	2.26	-	32.80	6.22	32.70
PK	5.865G	117.88	Inf	-Inf	110.28	3	Horizontal	345	2.26	-	34.06	6.33	32.79
AV	5.87G	107.02	Inf	-Inf	99.40	3	Horizontal	345	2.26	-	34.08	6.33	32.79
PK	5.915G	91.05	115.53	-24.48	83.33	3	Horizontal	345	2.26	-	34.17	6.36	32.81
RMS	5.913G	80.67	97.00	-16.33	72.95	3	Horizontal	345	2.26	-	34.17	6.36	32.81

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5875MHz_TX

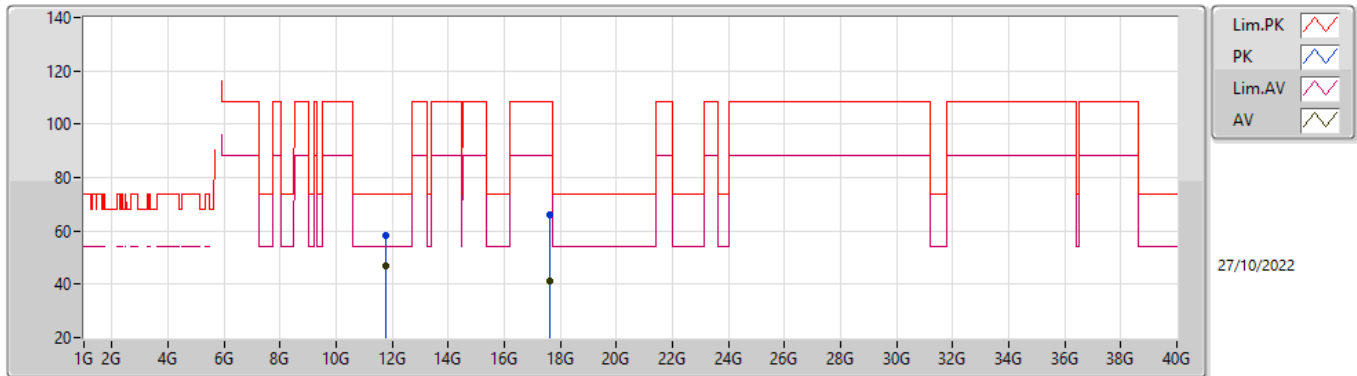


EUT_X_4TX
 Setting 84
 01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.7458G	58.29	74.00	-15.71	42.28	3	Vertical	139	1.80	-	38.65	9.00	31.64
AV	11.74262G	47.27	54.00	-6.73	31.25	3	Vertical	139	1.80	-	38.66	9.00	31.64
PK	17.62614G	64.65	108.20	-43.55	43.44	3	Vertical	240	1.81	-	40.48	11.35	30.62
RMS	17.6225G	51.25	88.20	-36.95	30.05	3	Vertical	240	1.81	-	40.46	11.35	30.61

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5875MHz_TX

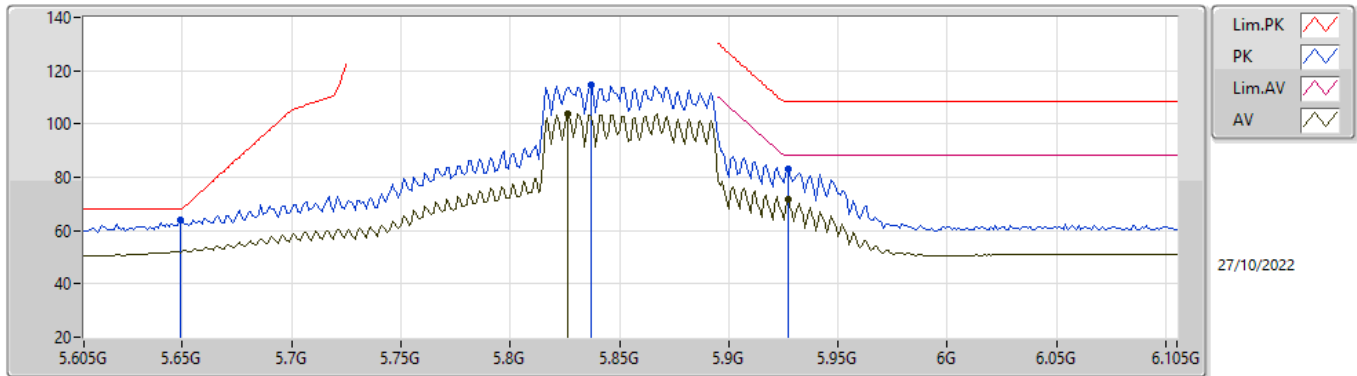


EUT_X_4TX
 Setting 84
 01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.76128G	58.11	74.00	-15.89	42.11	3	Horizontal	3	1.05	-	38.64	9.00	31.64
AV	11.7464G	47.15	54.00	-6.85	31.14	3	Horizontal	3	1.05	-	38.65	9.00	31.64
PK	17.63904G	65.84	108.20	-42.36	44.53	3	Horizontal	147	1.17	-	40.57	11.36	30.62
RMS	17.6225G	41.16	88.20	-47.04	19.96	3	Horizontal	147	1.17	-	40.46	11.35	30.61

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

5855MHz_TX

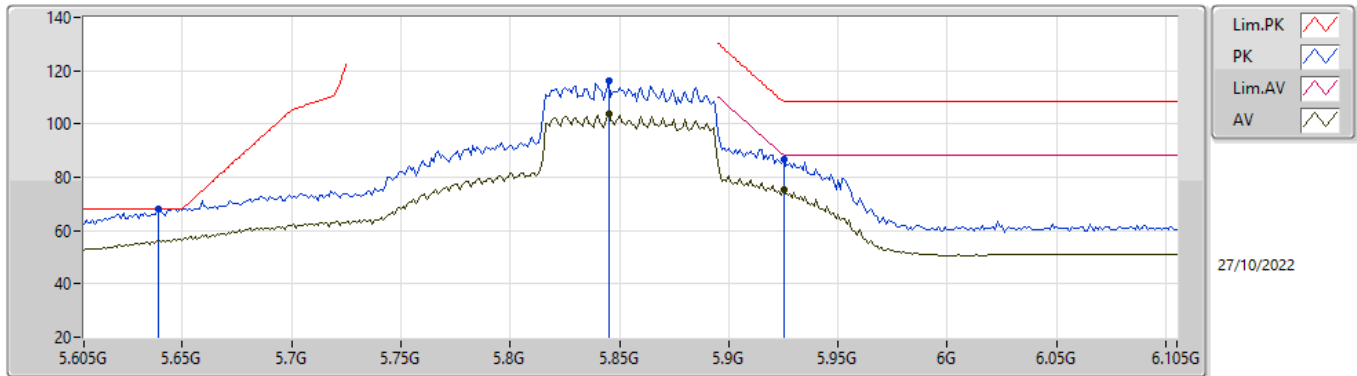


EUTX_4TX
Setting 84
01-H-C-6-10

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	64.01	68.20	-4.19	57.69	3	Vertical	355	2.32	-	32.80	6.22	32.70
PK	5.837G	114.49	Inf	-Inf	106.97	3	Vertical	355	2.32	-	33.97	6.32	32.77
AV	5.826G	104.02	Inf	-Inf	96.53	3	Vertical	355	2.32	-	33.95	6.31	32.77
PK	5.927G	82.99	108.20	-25.21	75.29	3	Vertical	355	2.32	-	34.15	6.36	32.81
RMS	5.927G	71.61	88.20	-16.59	63.91	3	Vertical	355	2.32	-	34.15	6.36	32.81

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

5855MHz_TX

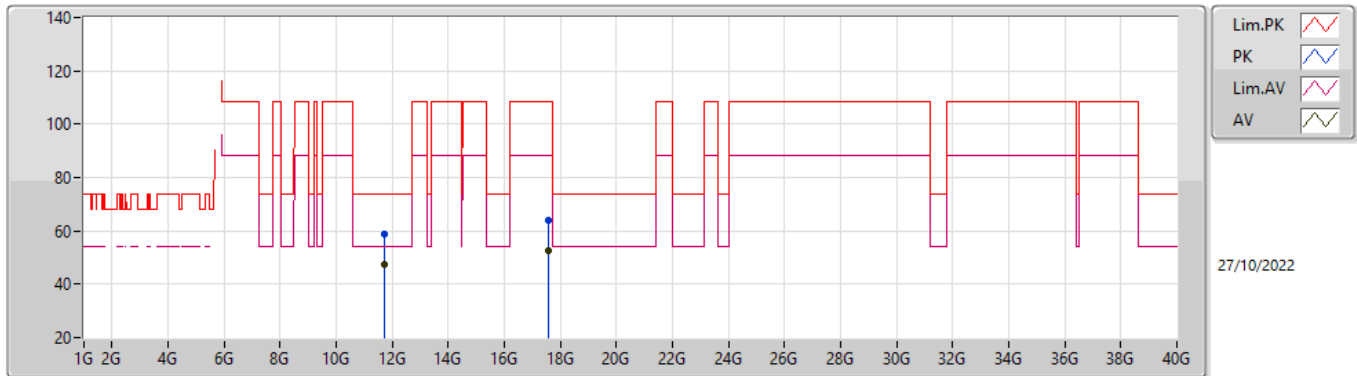


EUTX_4TX
 Setting 84
 01-H-C-6-10

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	68.16	68.20	-0.04	61.84	3	Horizontal	345	2.18	-	32.80	6.22	32.70
PK	5.845G	116.22	Inf	-Inf	108.69	3	Horizontal	345	2.18	-	33.99	6.32	32.78
AV	5.845G	103.59	Inf	-Inf	96.06	3	Horizontal	345	2.18	-	33.99	6.32	32.78
PK	5.925G	86.88	108.20	-21.32	79.18	3	Horizontal	345	2.18	-	34.15	6.36	32.81
RMS	5.925G	75.60	88.20	-12.60	67.90	3	Horizontal	345	2.18	-	34.15	6.36	32.81

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

5855MHz_TX

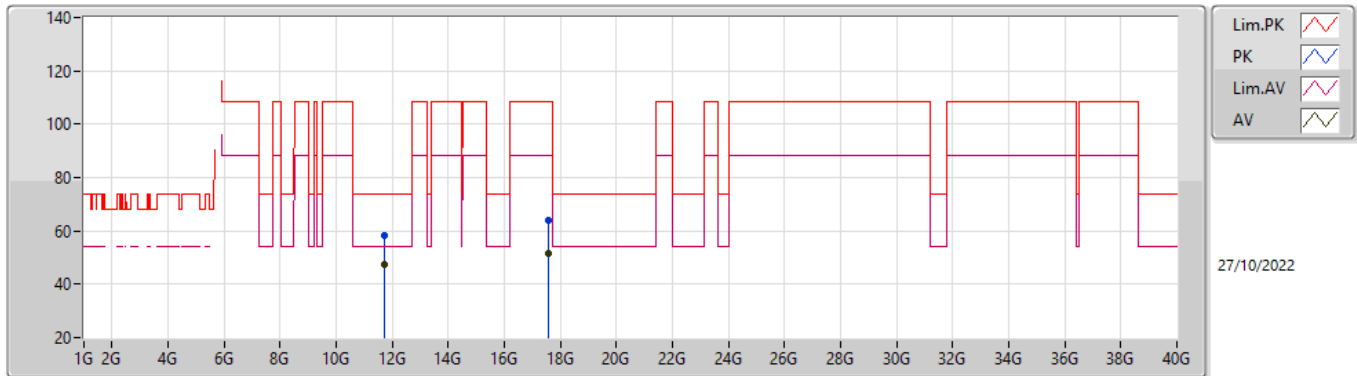


EUTX_4TX
 Setting 84
 01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.70652G	58.69	74.00	-15.31	42.68	3	Vertical	174	2.74	-	38.69	8.98	31.66
AV	11.70628G	47.47	54.00	-6.53	31.46	3	Vertical	174	2.74	-	38.69	8.98	31.66
PK	17.56284G	63.93	108.20	-44.27	43.16	3	Vertical	288	2.73	-	40.04	11.33	30.60
RMS	17.5625G	52.41	88.20	-35.79	31.65	3	Vertical	288	2.73	-	40.04	11.32	30.60

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

5855MHz_TX

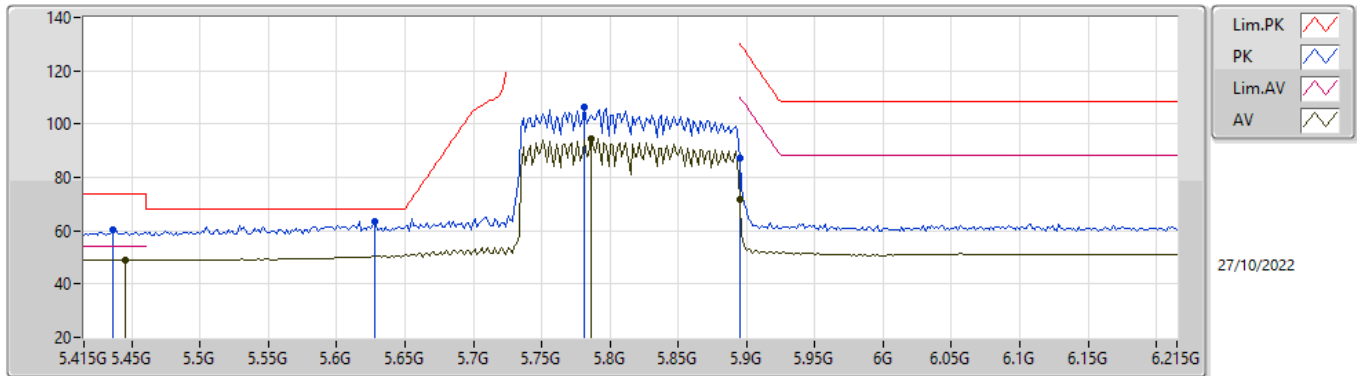


EUTX_4TX
Setting 84
01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.72404G	58.04	74.00	-15.96	42.02	3	Horizontal	331	1.19	-	38.68	8.99	31.65
AV	11.70826G	47.31	54.00	-6.69	31.30	3	Horizontal	331	1.19	-	38.69	8.98	31.66
PK	17.55432G	63.73	108.20	-44.47	43.03	3	Horizontal	100	2.08	-	39.98	11.32	30.60
RMS	17.5675G	51.39	88.20	-36.81	30.59	3	Horizontal	100	2.08	-	40.07	11.33	30.60

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

5815MHz_TX

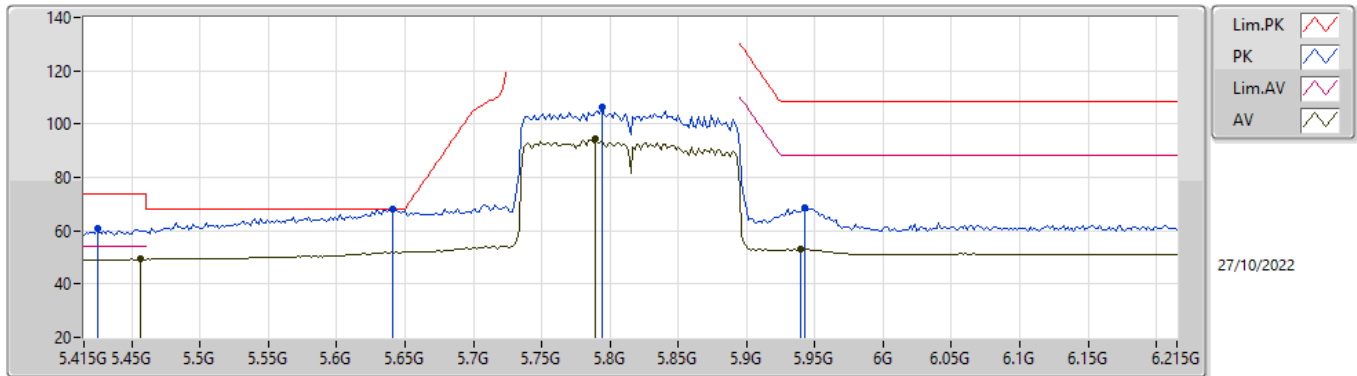


EUTX_4TX
 Setting 56
 01-H-C-6-10

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	5.4358G	60.26	74.00	-13.74	53.88	3	Vertical	353	1.36	-	32.93	6.12	32.67
AV	5.4454G	49.08	54.00	-4.92	42.71	3	Vertical	353	1.36	-	32.91	6.12	32.66
PK	5.6278G	63.52	68.20	-4.68	57.20	3	Vertical	353	1.36	-	32.80	6.21	32.69
PK	5.7814G	106.42	Inf	-Inf	99.05	3	Vertical	353	1.36	-	33.83	6.29	32.75
AV	5.7862G	94.52	Inf	-Inf	87.14	3	Vertical	353	1.36	-	33.84	6.29	32.75
PK	5.895G	86.99	130.20	-43.21	79.26	3	Vertical	353	1.36	-	34.18	6.35	32.80
RMS	5.895G	71.59	110.20	-38.61	63.86	3	Vertical	353	1.36	-	34.18	6.35	32.80

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

5815MHz_TX

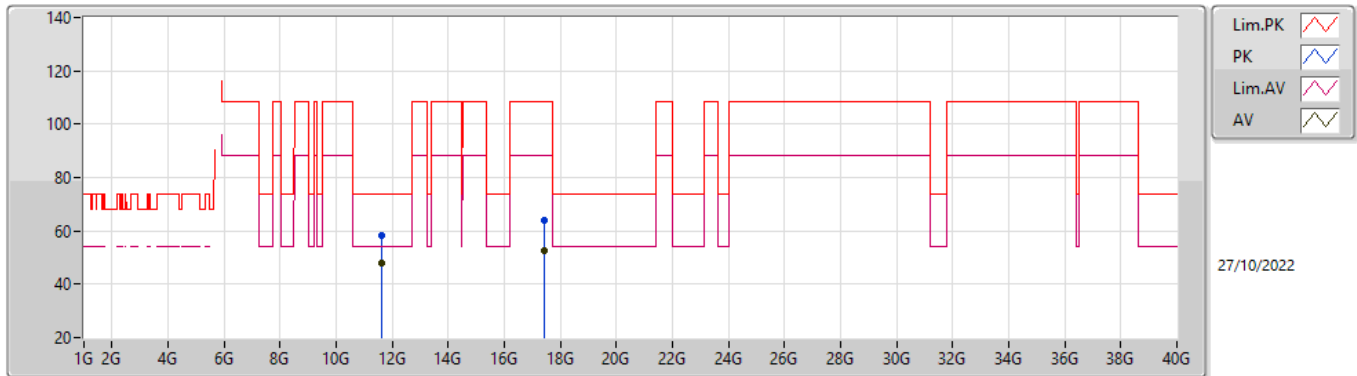


EUT_X_4TX
 Setting 56
 01-H-C-6-10

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	5.4246G	60.80	74.00	-13.20	54.41	3	Horizontal	346	2.04	-	32.95	6.11	32.67
AV	5.4566G	49.27	54.00	-4.73	42.91	3	Horizontal	346	2.04	-	32.89	6.13	32.66
PK	5.6406G	68.08	68.20	-0.12	61.76	3	Horizontal	346	2.04	-	32.80	6.22	32.70
PK	5.7942G	106.55	Inf	-Inf	99.13	3	Horizontal	346	2.04	-	33.88	6.30	32.76
AV	5.7894G	94.45	Inf	-Inf	87.06	3	Horizontal	346	2.04	-	33.86	6.29	32.76
PK	5.943G	68.81	108.20	-39.39	61.15	3	Horizontal	346	2.04	-	34.11	6.37	32.82
RMS	5.9398G	53.12	88.20	-35.08	45.45	3	Horizontal	346	2.04	-	34.12	6.37	32.82

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

5815MHz_TX

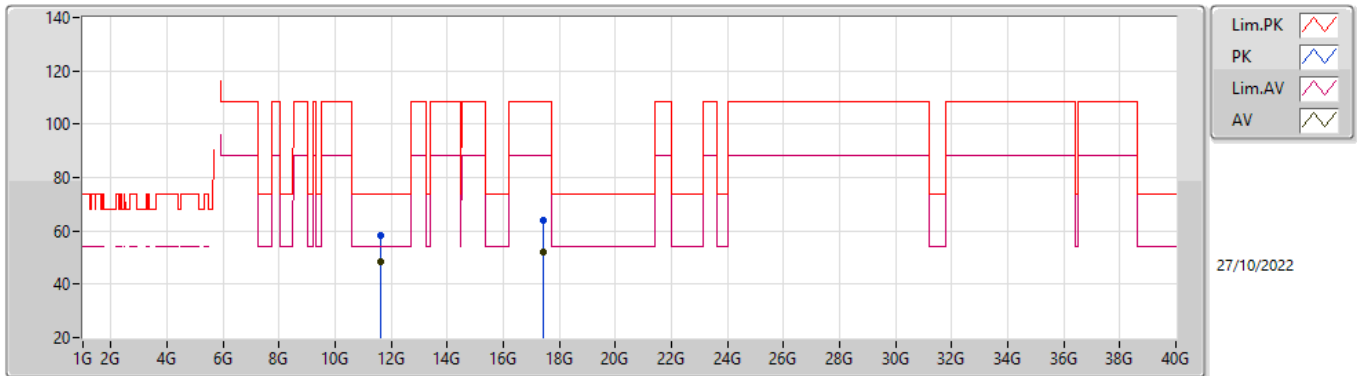


EUT_X_4TX
Setting 56
01-H-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.62688G	58.42	74.00	-15.58	42.39	3	Vertical	94	2.48	-	38.77	8.95	31.69
AV	11.64362G	48.01	54.00	-5.99	31.97	3	Vertical	94	2.48	-	38.76	8.96	31.68
PK	17.43012G	64.05	108.20	-44.15	43.94	3	Vertical	39	1.22	-	39.32	11.27	30.48
RMS	17.4375G	52.79	88.20	-35.41	32.65	3	Vertical	39	1.22	-	39.35	11.28	30.49

5.725-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

5815MHz_TX



EUT_X_4TX
 Setting 56
 01-H-C-6

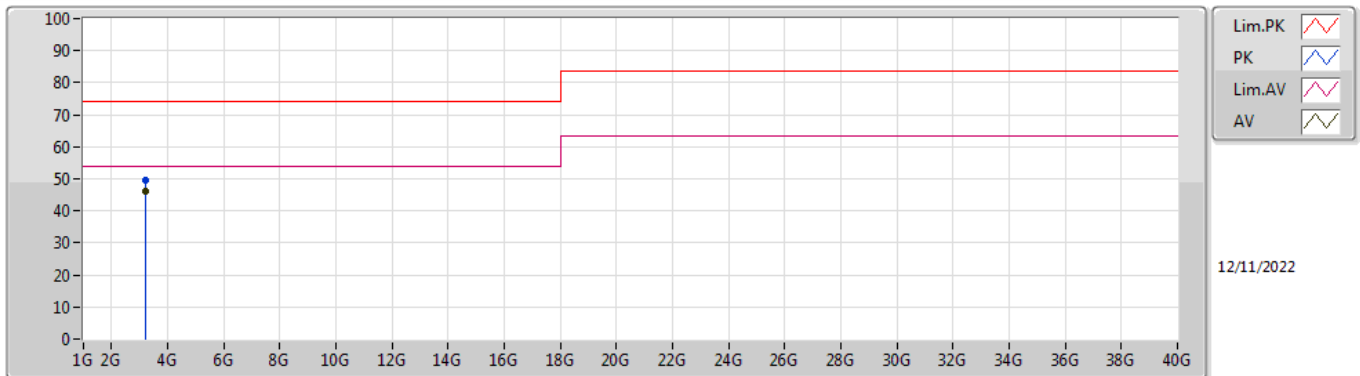
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.62166G	58.12	74.00	-15.88	42.08	3	Horizontal	105	1.80	-	38.78	8.95	31.69
AV	11.6192G	48.64	54.00	-5.36	32.60	3	Horizontal	105	1.80	-	38.78	8.95	31.69
PK	17.44274G	63.85	108.20	-44.35	43.70	3	Horizontal	238	1.00	-	39.37	11.28	30.50
RMS	17.4425G	51.91	88.20	-36.29	31.76	3	Horizontal	238	1.00	-	39.37	11.28	30.50



Summary

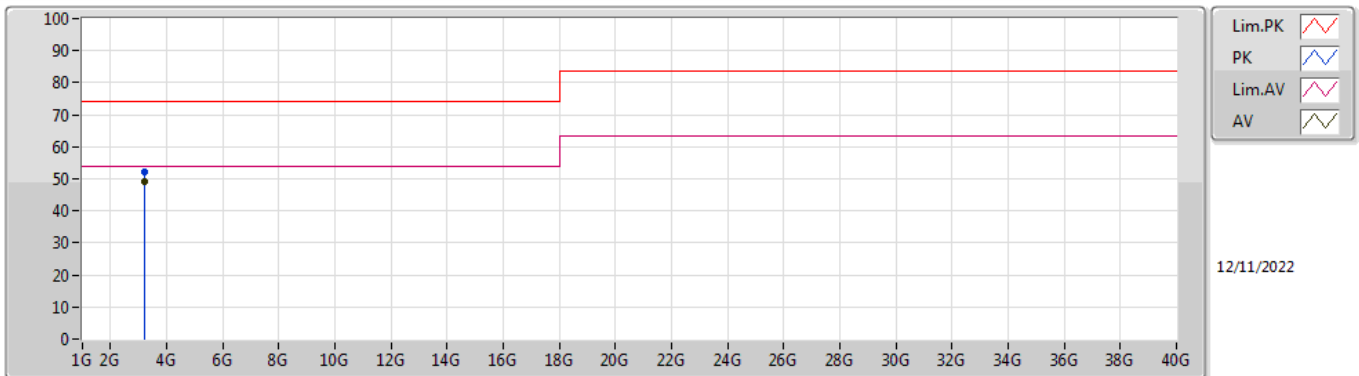
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	3.19994G	49.30	54.00	-4.70	Horizontal

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	3.212G	49.57	74.00	-24.43	-0.21	3	Vertical	195	1.75	-	49.94	29.90	5.80	35.91
AV	3.19991G	46.13	54.00	-7.87	-0.21	3	Vertical	195	1.75	"Worst"	46.21	29.90	5.80	35.91

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	3.203G	52.27	74.00	-21.73	-0.21	3	Horizontal	33	1.27	-	52.33	29.89	5.80	35.91
AV	3.19994G	49.30	54.00	-4.70	-0.21	3	Horizontal	33	1.27	"Worst"	49.61	29.90	5.80	35.91