



RADIO TEST REPORT

FCC ID : MSQ-AXHZ00
Equipment : AX6600 Tri Band WiFi Router
Brand Name : ASUS
Model Name : RT-AX95Q, ZenWiFi XT8, ASUS ZenWiFi XT8, XT8, ASUS ZenWiFi
Applicant : ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou, Taipei 112, Taiwan
Manufacturer (1) : Compal Networking (KunShan) Co., LTD.
No. 520, Nanbang Rd., Economic & Technical
Development Zone Kunshan, Jiangsu
Province China
Manufacturer (2) : ARCADYAN TECHNOLOGY (VIETNAM) CO., LTD.
Ba Thien Industrial Park, Ba Hien commune, Binh
Xuyen district, Vinh Phuc Province
Standard : 47 CFR FCC Part 15.407

The product was received on Sep. 19, 2019, and testing was started from Sep. 19, 2019 and completed on Feb. 14, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_1 Ver1.4



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 Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
Note: Reference to Sporton Project No.: 951008-01, 951008-02, 951008-03.				

Declaration of Conformity:

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

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. 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: Wendy Pan



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-BF	20	4TX
5.725-5.895GHz	802.11ac VHT20-BF	20	4TX
5.725-5.895GHz	802.11ax HEW20-BF	20	4TX
5.725-5.895GHz	802.11n HT40-BF	40	4TX
5.725-5.895GHz	802.11ac VHT40-BF	40	4TX
5.725-5.895GHz	802.11ax HEW40-BF	40	4TX
5.725-5.895GHz	802.11ac VHT80-BF	80	4TX
5.725-5.895GHz	802.11ax HEW80-BF	80	4TX
5.725-5.895GHz	802.11ac VHT160-BF	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 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Set	Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)
		WLAN 5GHz UNII 4					
1	1	2	PSA	RFDPA230508IMLB902	Dipole	I-PEX	Note 1
	2	3	PSA	RFDPA230508IMLB902	Dipole	I-PEX	
	3	1	PSA	RFDPA230508IMLB902	Dipole	I-PEX	
	4	4	PSA	RFDPA230508IMLB902	Dipole	I-PEX	
2	1	2	M.gear	C660-510484-A	Dipole	I-PEX	
	2	3	M.gear	C660-510484-A	Dipole	I-PEX	
	3	1	M.gear	C660-510484-A	Dipole	I-PEX	
	4	4	M.gear	C660-510484-A	Dipole	I-PEX	

Note 1:

Set	Ant.	Antenna Gain (dBi)		
		5.85G	5.885G	5.895G
1	1	2.98	3.3	3.32
	2	2.73	2.86	2.62
	3	3.49	3.6	3.49
	4	4.62	4.53	4.32
2	1	2.98	3.3	3.32
	2	2.73	2.86	2.62
	3	3.49	3.6	3.49
	4	4.62	4.53	4.32

Set	Ant.	Direction Gain (dBi)					
		5.85G		5.885G		5.895G	
		4T1S	4T2S	4T1S	4T2S	4T1S	4T2S
1	1	7.31	4.62	7.72	4.72	7.7	4.7
	2						
	3						
	4						
2	1	7.31	4.62	7.72	4.72	7.7	4.7
	2						
	3						
	4						

Note 2: The above information was declared by manufacturer.

Note 3: WLAN 5GHz UNII 4: The directional gain is measured which follows the procedure of KDB 662911 D03.
The antenna report is provided in the operational description for this application.

Note 4: The EUT has two sets of antennas and there are six antennas for set 1 and set 2.

Set 1~2 are the same antenna type. Only Set 1 antenna was selected to test and record in this report.

For 5GHz UNII 4 WLAN function (Radio 2)

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

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

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



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a (4T1S)	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF (4T1S)	0.955	0.2	2.931m	1k
802.11ax HEW40-BF (4T1S)	0.975	0.11	4.37m	300
802.11ax HEW80-BF (4T1S)	0.915	0.39	4.894m	300
802.11ax HEW160-BF (4T1S)	0.956	0.2	5.231m	300
802.11ax HEW20-BF (4T2S)	0.975	0.11	4.378m	300
802.11ax HEW40-BF (4T2S)	0.936	0.29	5.093m	300
802.11ax HEW80-BF (4T2S)	0.957	0.19	5.244m	300
802.11ax HEW160-BF (4T2S)	0.952	0.21	5.213m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For IEEE 802.11n/ac/VHT in 2.4GHz and IEEE 802.11n/ac/ax in 5GHz.			
Device Type (UNII 4)	☒	Indoor Access Point	☒	Subordinate
	☐	Indoor Client		
Test Software Version	accessMTool_3_2_1_1, DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
ASUS	RT-AX95Q	All the models are identical, the different model names served as marketing strategy.
	ZenWiFi XT8	
	ASUS ZenWiFi XT8	
	XT8	
	ASUS ZenWiFi	

Note 1: From the above models, model: RT-AX95Q was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

**1.1.6 Table for SKU information**

EUT	SKU	LAN Transformer		2.5G PHY		Front PCB	Back PCB
		Brand Name	P/N	Brand Name	P/N	Board	Board
1	SKU 1	NETSWAP	NS773602 / NS771802	BROADCOM	BCM54991ELB0K FEBG	1 LED	Without Debug LED
2	SKU 2	Mingtek	HN36201CG / HN18101CG	BROADCOM	BCM54991ELB0K FEBG		
3	SKU 3	NETSWAP	NS773602 / NS771802	Realtek	RTL8221B-VB-CG		
4	SKU 4	Mingtek	HN36201CG / HN18101CG	Realtek	RTL8221B-VB-CG		

Note: The above information was declared by manufacturer.

1.1.7 Table for EUT supports functions

Function	Support Type
AP Router	Master
Bridge	Slave without radar detection
Repeater	Master
Mesh	Master

Note: The above information was declared by manufacturer.

1.1.8 Table for radio information

Radio	2.4GHz	5GHz	Bluetooth
1	V	V (UNII 1)	X
2	X	V (Band UNII 2C~UNII 4)	X
3	X	X	V

Note: The above information was declared by manufacturer.



1.1.9 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR951008AB

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

Modifications	Performance Checking
1. Adding four adapters.(Please refer to section 2.4 for detailed information). 2. Adding the second source for 2.5G PHY (Brand: Realtek, Model: RTL8221B-VB-CG)	1. AC Conducted Emissions 2. Unwanted Emissions Bands below 1GHz
3. Changing the quantity of front PCB board LED to 1 LED from 3 LED. 4. Removing the debug LED of the back PCB board. 5. Changing Applicant address to "1F., No. 15, Lide Rd., Beitou, Taipei 112, Taiwan" from "4F, No. 150, Li-Te Rd., Peitou, Taipei 112, Taiwan".	3. After evaluating, it doesn't affect the test results of this test report.
6. Add UNII 4 for this device.	1. Emission Bandwidth 2. Maximum Output Power 3. Power Spectral Density 4. Unwanted Emissions above 1GHz.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01

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

- ♦ FCC KDB 662911 D03 v01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01
- ♦ FCC KDB 291074 U-NII-4 - 5.9 Band DR01-44460_Draft

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	Owen Hus	26.3-28.5 / 56-60	Oct. 19, 2021 ~ Feb. 14, 2022
Radiated above 1GHz	03CH06-CB	Stim Song	24.6-25.7 / 56-59	Sep. 27, 2021 ~ Oct. 13, 2021
Radiated below 1GHz	03CH05-CB	Ken Yeh	24.2-26.1 / 55-58	Nov. 10, 2021
AC Conduction (Test Mode: Mode 1~2)	CO01-CB	Max Lin	23~24 / 58~59	Sep. 19, 2019
AC Conduction (Test Mode: Mode 3~5)	CO01-CB	Wei Li	24~25 / 51~56	Apr. 30, 2020

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5845MHz	78
5865MHz	80
5885MHz	82
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5845MHz	79
5865MHz	79
5885MHz	68
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-
5845MHz	91
5865MHz	91
5885MHz	65
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5835MHz	88
5875MHz	91
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-
5835MHz	94
5875MHz	96
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5855MHz	90
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	-
5855MHz	99
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5815MHz	79
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	-
5815MHz	79

Note:

- ♦ Evaluated HEW20/HEW40/HEW80/HEW160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.
- ♦ There are two modes of EUT for 802.11n/ac/VHT in 2.4GHz and 802.11n/ac/ax in 5GHz. One is beamforming mode, and the other is non-beamforming mode, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to test and record in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
	- The device supports AP Router mode, Mesh mode - Radio 2_5GHz, Mesh mode - Radio 1_5GHz, Mesh mode - Radio 1_2.4GHz. After evaluating, AP Router mode is the worst case, thus measurement will follow this same test mode. - The EUT has four SKU: SKU 1 ~ SKU 4. After evaluating, SKU 1 is the worst case, thus measurement will follow this same test mode.
1	AP Router mode - EUT 1 + Adapter 1
2	AP Router mode - EUT 1 + Adapter 2
3	AP Router mode - EUT 1 + Adapter 3
4	AP Router mode - EUT 1 + Adapter 4
5	AP Router mode - EUT 1 + Adapter 5
For operating mode 1 is the worst case and it was record in this test report.	

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	1. The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
	2. The EUT has four wireless functions are: Radio 1 + WLAN 2.4GHz, Radio 1 + WLAN 5GHz Low Band (UNII 1), Radio 2 + WLAN 5GHz High Band (UNII 2C~UNII 4) and Radio 3 + Bluetooth, After evaluating, Radio 1 + WLAN 5GHz UNII 1 mode is the worst case, thus measurement will follow this same test mode.
	3. "adapter 4" has been evaluated to be the worst case for adapter 1 ~ 5, thus measurement for this item will follow this same test mode.
	4. The EUT has four SKU: SKU 1 ~ SKU 4. After evaluating, SKU 2 is the worst case, thus measurement will follow this same test mode.
1	EUT 2 in Y axis + Radio 1 + WLAN 5GHz UNII 1 + adapter 4
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position , and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT 1 in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 1 + WLAN 2.4GHz + Radio 2 + WLAN 5GHz High Band (UNII 2C~UNII 4) +Radio 3 + Bluetooth
2	Radio 1 + WLAN 5GHz + Radio 2 + WLAN 5GHz High Band (UNII 2C~UNII 4) +Radio 3 + Bluetooth
Refer to Sporton Test Report No.: FA951008-06 for Co-location RF Exposure Evaluation.	



2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories					
Equipment Name	Brand Name	Model Name	Type	Country Code	Rating
Adapter 1	PI	AD2088320	010LF	-	Input: 100-240V~50/60Hz, 0.8A Output: 19V, 1.75A
Adapter 2	Delta	ADP-33AW B	-	G	Input: 100-240V~1A, 50-60Hz Output: 19V, 1.75A
Adapter 3	Delta	ADP-33AW Y	-	2G	Input: 100-240V~1A, 50-60Hz Output: 19V, 1.75A, 33.0W
Adapter 4	PI	AD2131M20	-	00	Input: 100-240V~50/60Hz, 0.8A Output: 19V, 1.75A, 33.0W
Adapter 5	PI	AD2131320	-	00	Input: 100-240V~50/60Hz, 0.8A Output: 19V, 1.75A, 33.0W
Other					
RJ-45 cable*1: Non-shielded, 1.5m					

Note: Adapter 4 with EU plug performed the testing by manufacturer request.



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	HDD3.0	WD	WDBACY5000AWT	N/A
B	LAN1 NB	DELL	E6430	N/A
C	LAN3 NB	DELL	E6430	N/A
D	2.4G NB	DELL	E6430	N/A
E	5G-H NB	DELL	E6430	N/A
F	5G-L NB	DELL	E6430	N/A
G	2.5G WAN PC	DELL	T3400	N/A

For Radiated (below 1GHz):

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

For Radiated (above 1GHz):

For Non-beamforming mode:

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

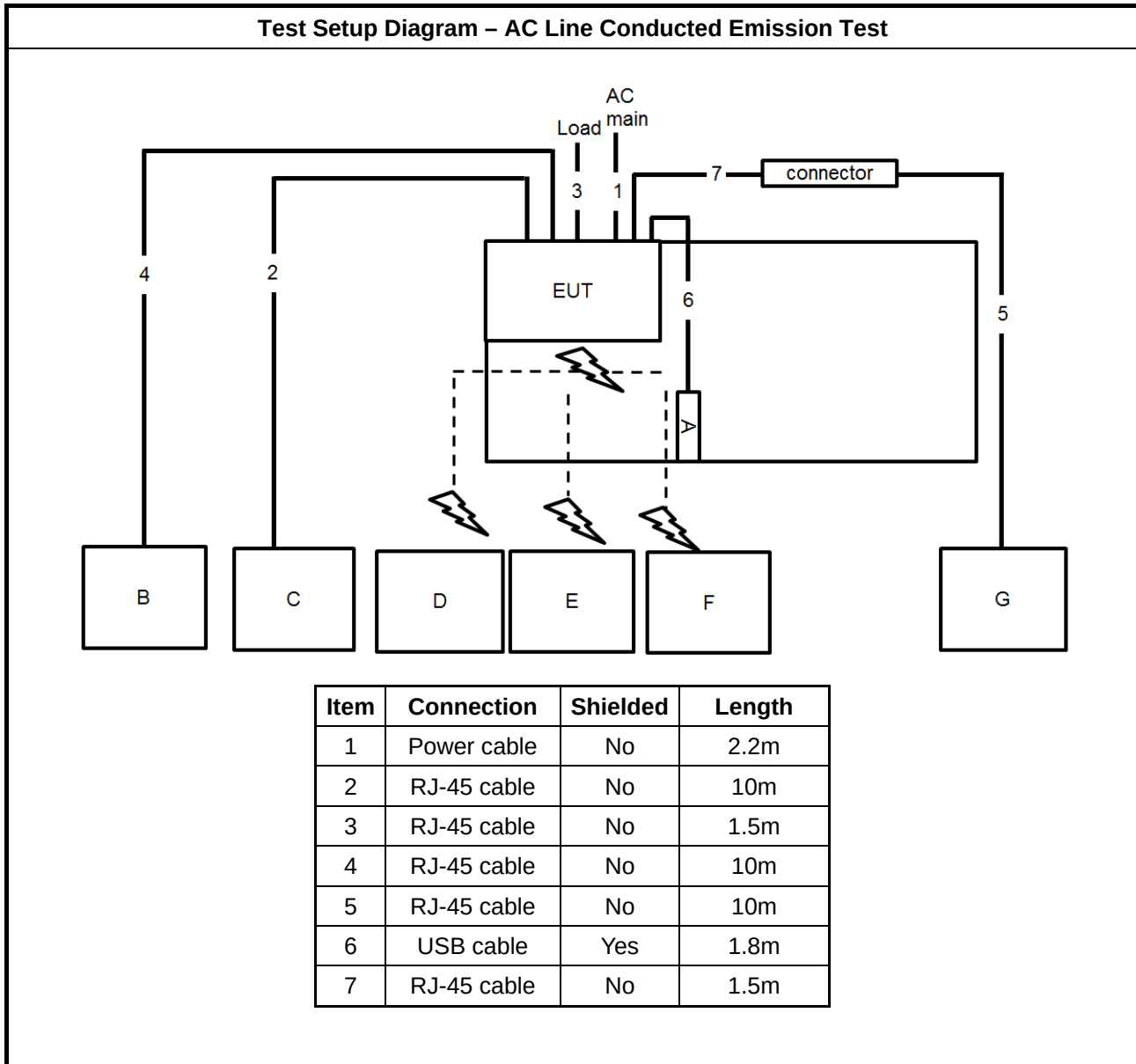
For Beamforming mode:

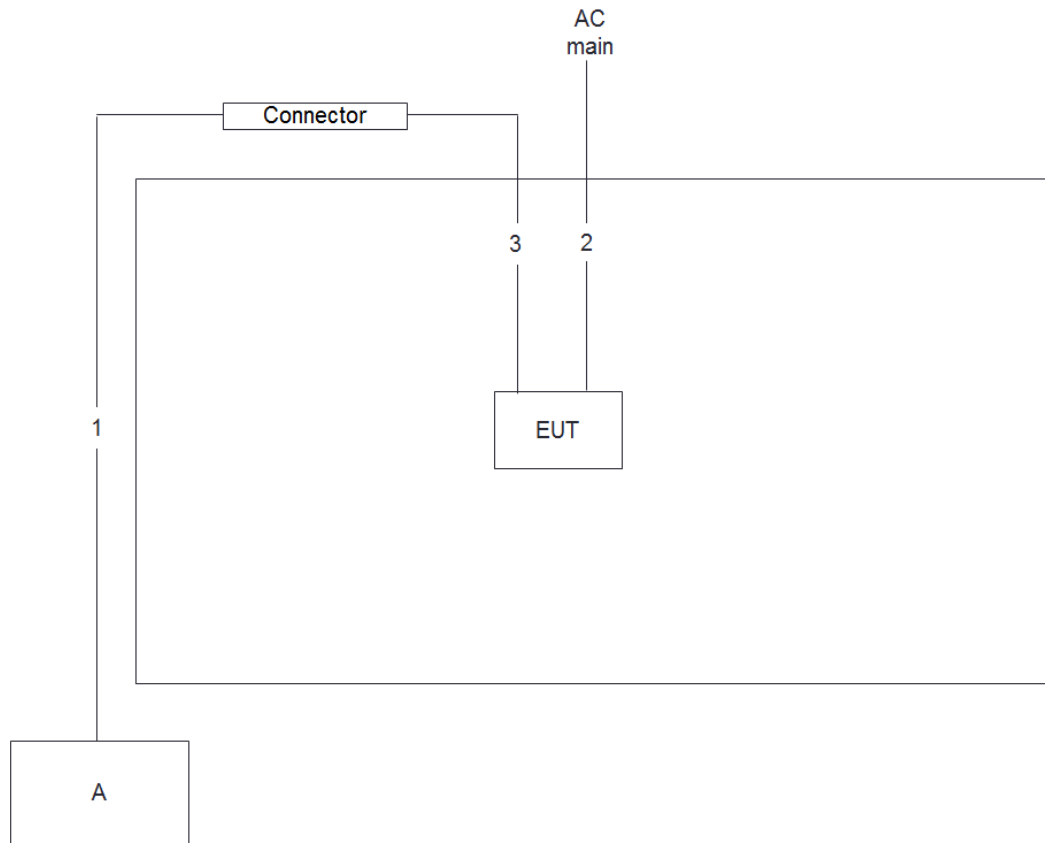
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	WLAN AP	ASUS	RT-AX95Q	MSQ-AXHZ00
C	Notebook	DELL	E4300	N/A

For RF Conducted:

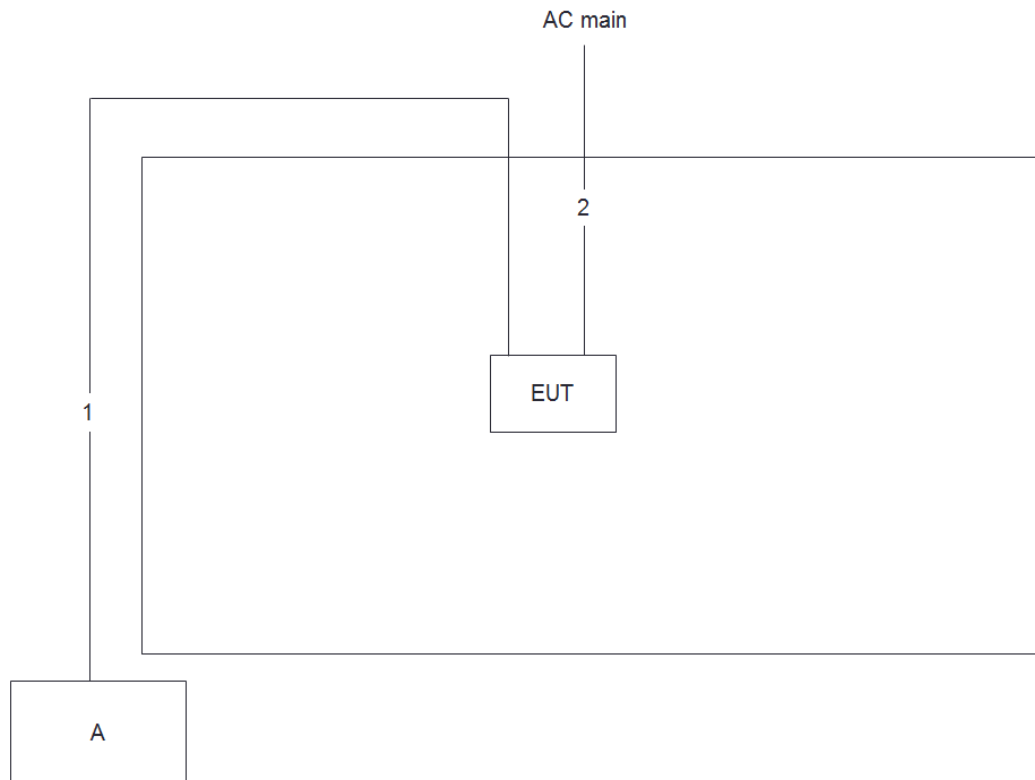
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram

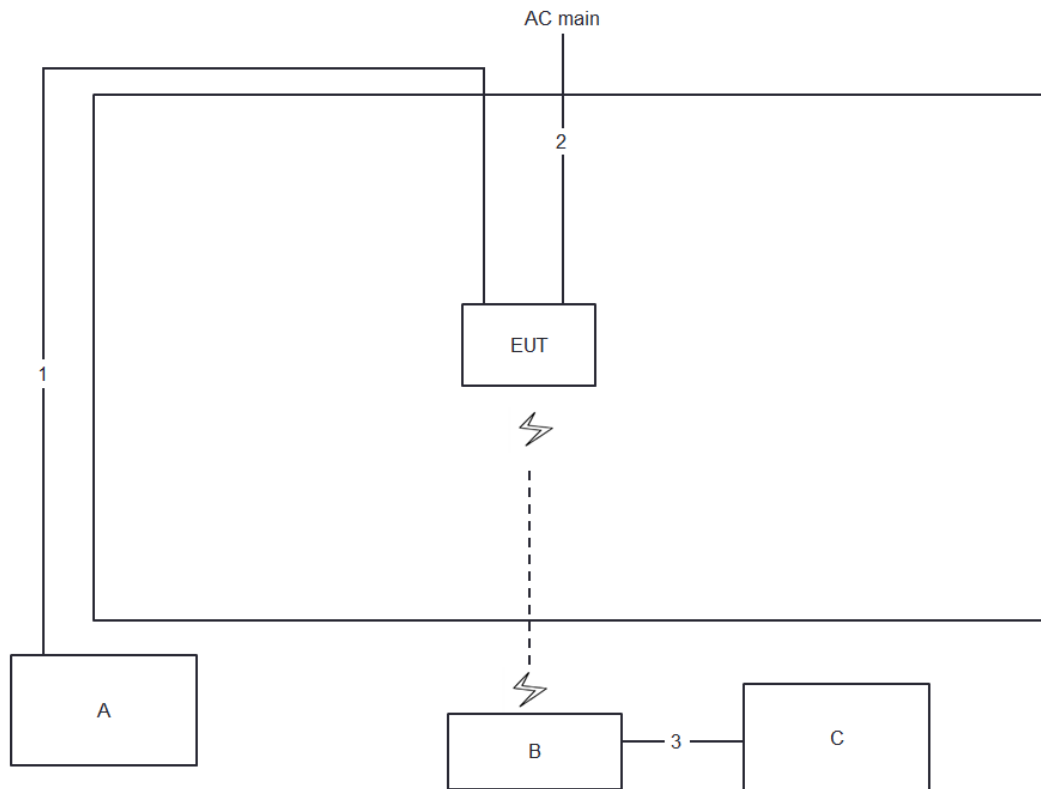


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.9m
3	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz / Non-beamforming mod


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.2m

Test Setup Diagram - Radiated Test > 1GHz / Beamforming mod


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.2m
3	RJ-45 cable	No	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

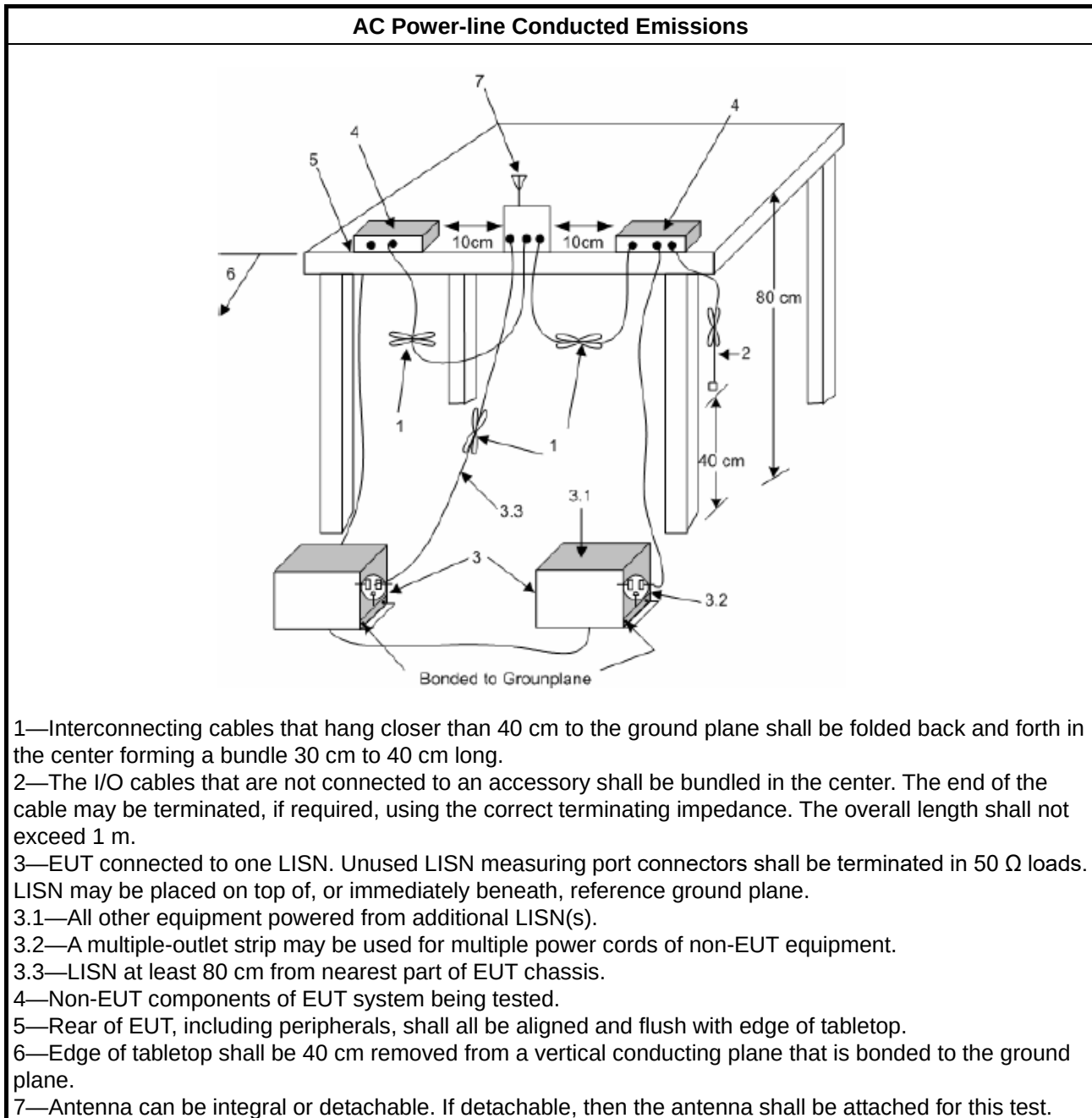
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- 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	
☐	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
☒	For the 5.85-5.895 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

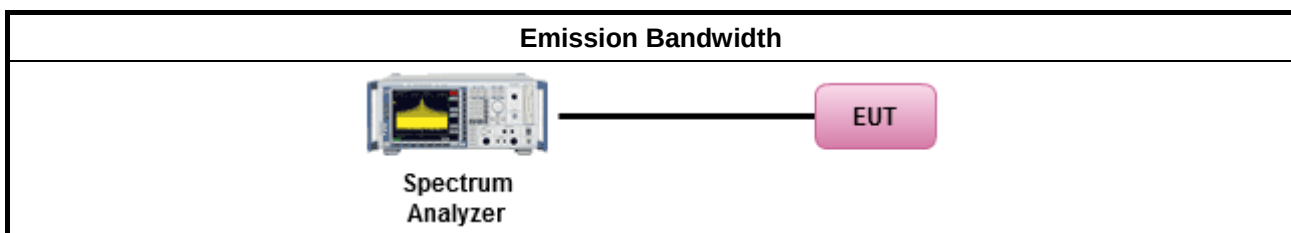
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	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 Output Power

3.3.1 Limit

Maximum Output Power Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☐ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☐ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
☒	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
Maximum EIRP Limit	
☒ For the 5.85-5.895 GHz band:	
☒	- Indoor AP & subordinate device < 36 dBm - Client device < 30 dBm
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
☐ For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.

P_{Out} = maximum conducted output power in dBm,
G_{TX} = the maximum transmitting antenna directional gain in dBi.

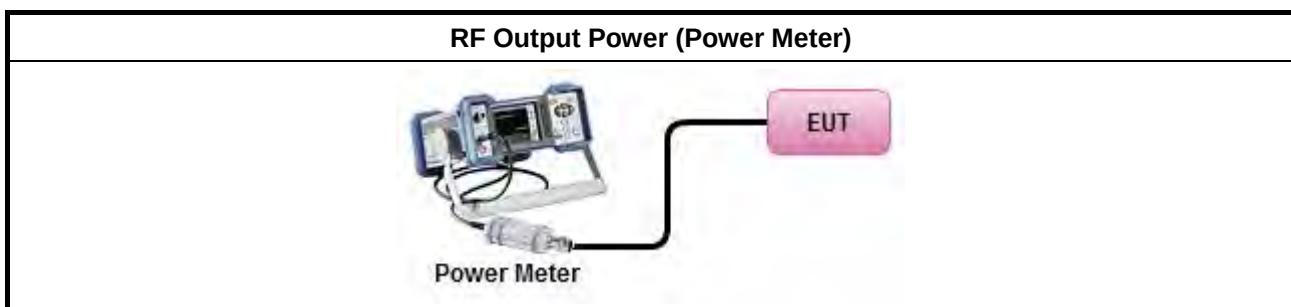
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
Average over on/off periods with duty factor	
☐	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, 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	
☒	Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☐ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
☒	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
EIRP Power Spectral Density Limit	
☒ For the 5.85-5.895 GHz band:	
☒	- Indoor AP & subordinate device < 20dBm/MHz - Client device < 14dBm/MHz
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output	



power shall be used to determine the power spectral density. And power spectral density in dBm/MHz
 G_{TX} = the maximum transmitting antenna directional gain in dBi.

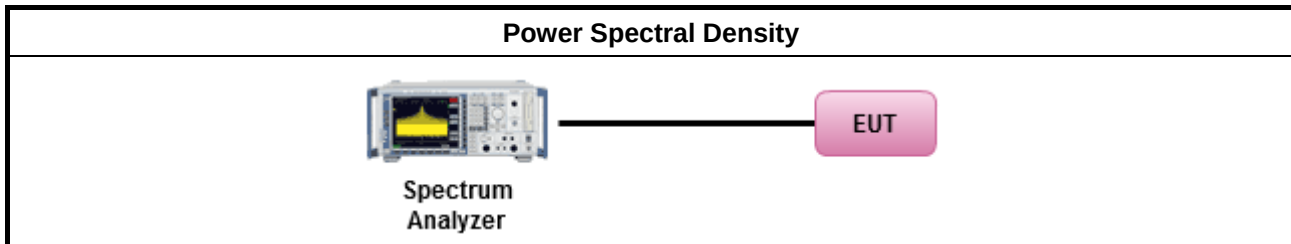
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power 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:	
☐ Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
[duty cycle ≥ 98% or external video / power trigger]	
☒ Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).	
☐ Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)	
duty cycle < 98% and average over on/off periods with duty factor	
☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,	
☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.	
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]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of 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
☐ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
☒ 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

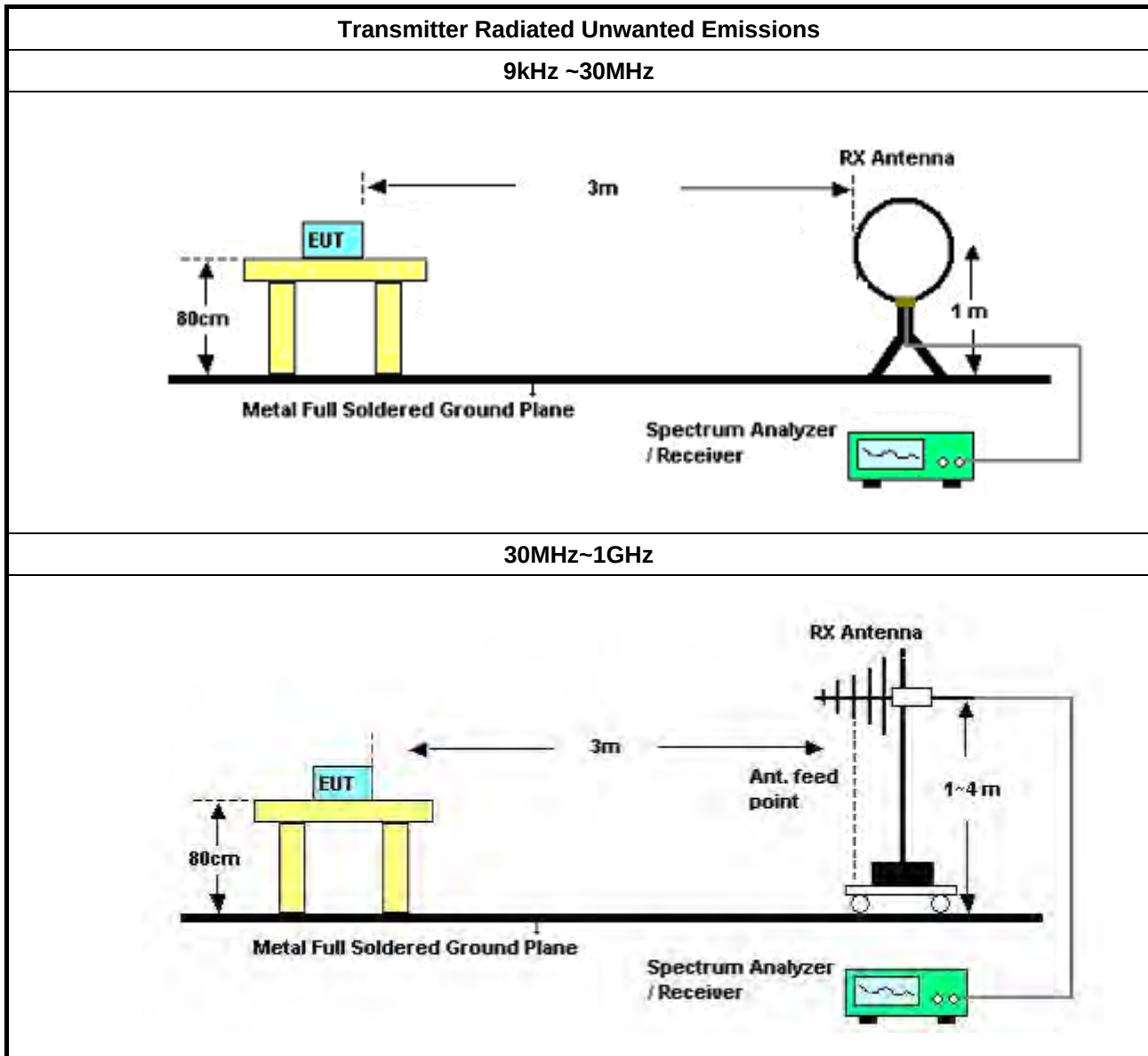
Refer a test equipment and calibration data table in this test report.

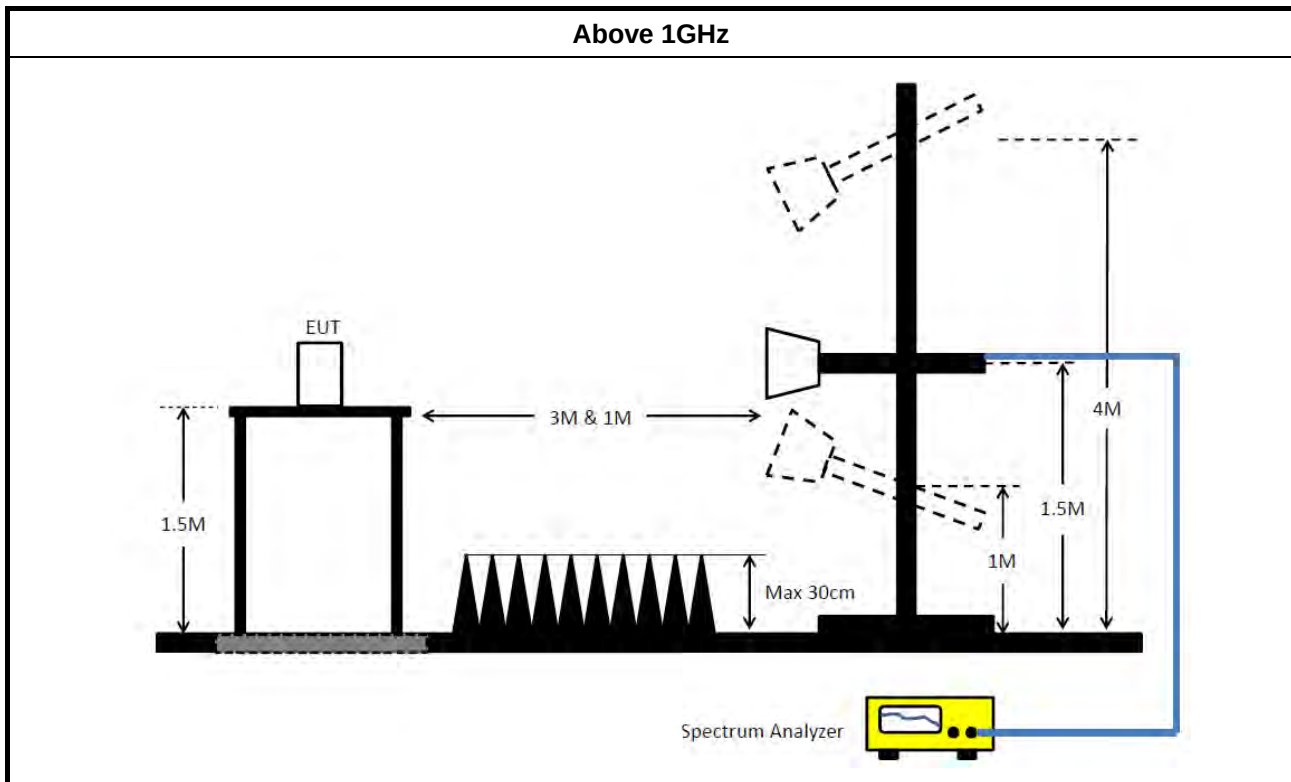


3.5.3 Test Procedures

Test Method	
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).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
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 ~ 8.45GHz	Jan. 28, 2019	Jan. 27, 2020	Conduction (CO01-CB)
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 01, 2019	Jan. 31, 2020	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	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	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 04, 2021	Oct. 03, 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	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2020	Oct. 01, 2021	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 01, 2021	Sep. 30, 2022	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 04, 2021	Aug. 03, 2022	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 06, 2021	May 05, 2022	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 15, 2020	Dec. 14, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 31, 2020	Dec. 30, 2021	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	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.

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



AC Power Port Conducted Emission Result

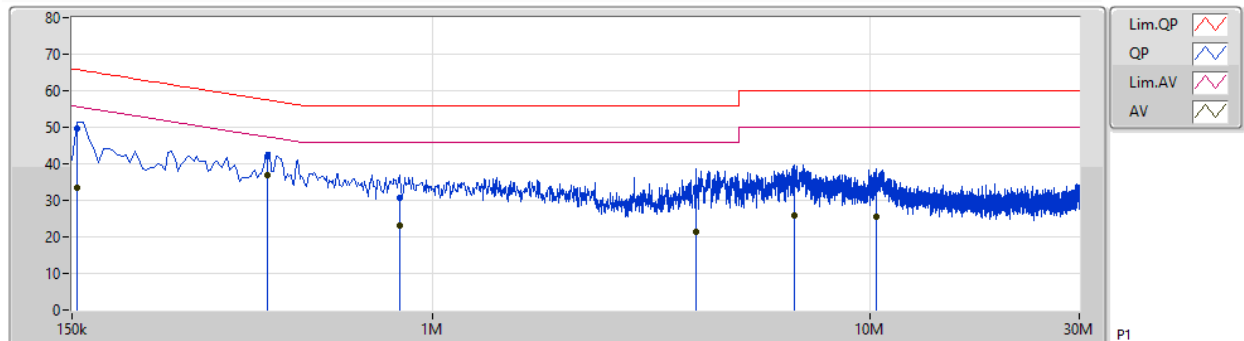
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	AV	420k	37.06	47.45	-10.39	9.91	Neutral

Mode 1

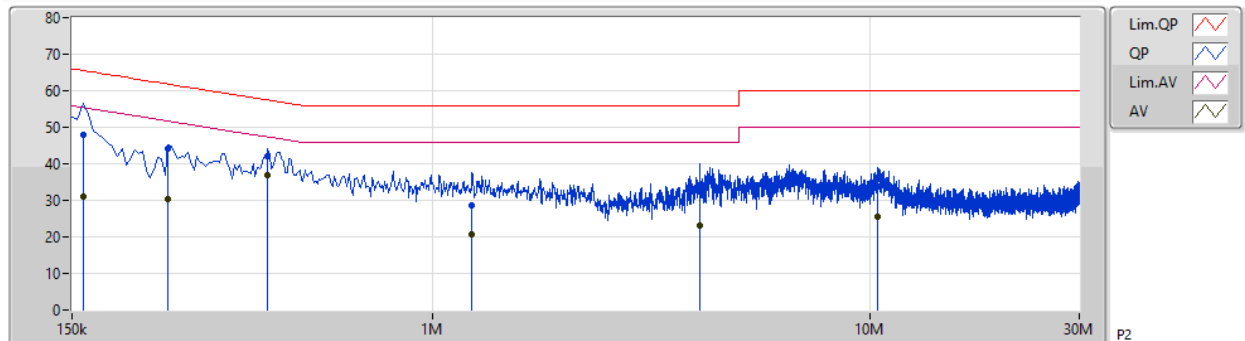
19/09/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	154.5k	49.52	65.75	-16.23	9.90	Line	-	39.62	0.05	0.06	9.79			
AV	154.5k	33.31	55.75	-22.44	9.90	Line	-	23.41	0.05	0.06	9.79			
QP	420k	41.95	57.45	-15.50	9.93	Line	-	32.02	0.06	0.06	9.81			
AV	420k	36.74	47.45	-10.71	9.93	Line	"Worst"	26.81	0.06	0.06	9.81			
QP	843k	30.52	56.00	-25.48	9.97	Line	-	20.55	0.07	0.08	9.82			
AV	843k	23.11	46.00	-22.89	9.97	Line	-	13.14	0.07	0.08	9.82			
QP	3.998M	33.47	56.00	-22.53	10.10	Line	-	23.37	0.12	0.17	9.81			
AV	3.998M	21.54	46.00	-24.46	10.10	Line	-	11.44	0.12	0.17	9.81			
QP	6.684M	35.93	60.00	-24.07	10.24	Line	-	25.69	0.17	0.20	9.87			
AV	6.684M	25.95	50.00	-24.05	10.24	Line	-	15.71	0.17	0.20	9.87			
QP	10.338M	33.72	60.00	-26.28	10.36	Line	-	23.36	0.21	0.23	9.92			
AV	10.338M	25.53	50.00	-24.47	10.36	Line	-	15.17	0.21	0.23	9.92			

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Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	159k	48.06	65.52	-17.46	9.89	Neutral	-	38.17	0.04	0.06	9.79			
AV	159k	31.06	55.52	-24.46	9.89	Neutral	-	21.17	0.04	0.06	9.79			
QP	249k	44.23	61.79	-17.56	9.90	Neutral	-	34.33	0.04	0.06	9.80			
AV	249k	30.30	51.79	-21.49	9.90	Neutral	-	20.40	0.04	0.06	9.80			
QP	420k	42.03	57.45	-15.42	9.91	Neutral	-	32.12	0.04	0.06	9.81			
AV	420k	37.06	47.45	-10.39	9.91	Neutral	"Worst"	27.15	0.04	0.06	9.81			
QP	1.23M	28.63	56.00	-27.37	9.98	Neutral	-	18.65	0.06	0.10	9.82			
AV	1.23M	20.76	46.00	-25.24	9.98	Neutral	-	10.78	0.06	0.10	9.82			
QP	4.079M	34.05	56.00	-21.95	10.08	Neutral	-	23.97	0.10	0.17	9.81			
AV	4.079M	23.15	46.00	-22.85	10.08	Neutral	-	13.07	0.10	0.17	9.81			
QP	10.383M	33.77	60.00	-26.23	10.34	Neutral	-	23.43	0.19	0.23	9.92			
AV	10.383M	25.61	50.00	-24.39	10.34	Neutral	-	15.27	0.19	0.23	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	17.331M	17M3D1D	16.05M	16.912M

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

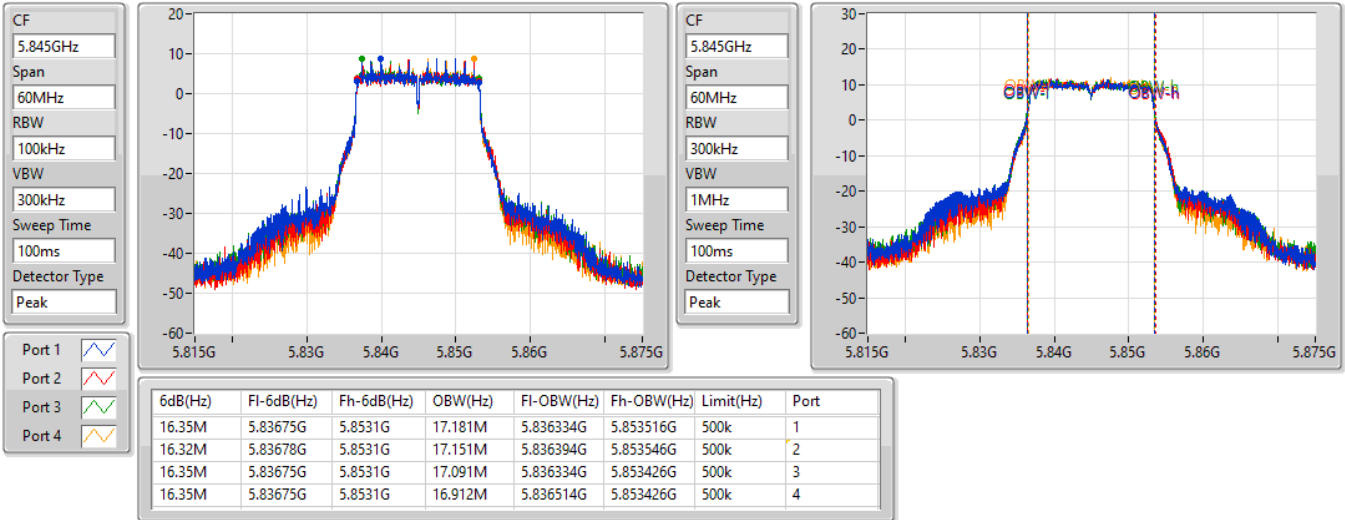
Result

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)
802.11a_Nss1.(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	500k	16.35M	17.181M	16.32M	17.151M	16.35M	17.091M	16.35M	16.912M
5865MHz	Pass	500k	16.29M	17.211M	16.32M	17.181M	16.32M	17.151M	16.32M	16.942M
5885MHz	Pass	500k	16.32M	17.331M	16.35M	17.241M	16.29M	17.271M	16.05M	17.031M

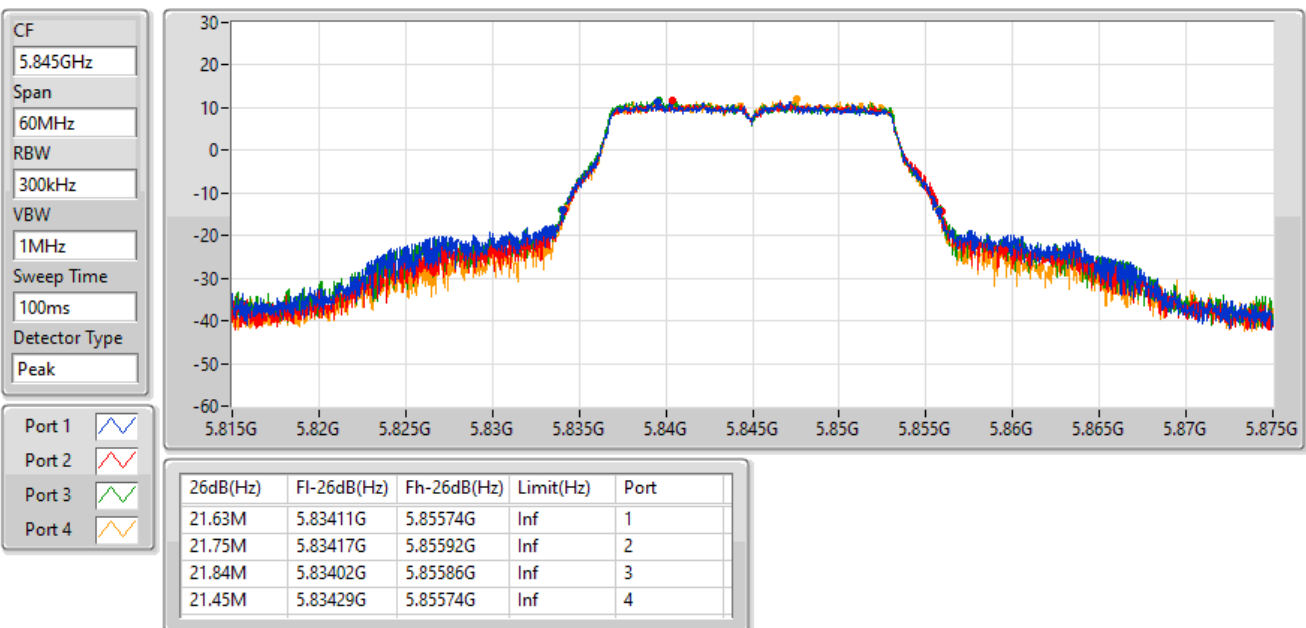
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX
EBW
5845MHz

09/02/2022

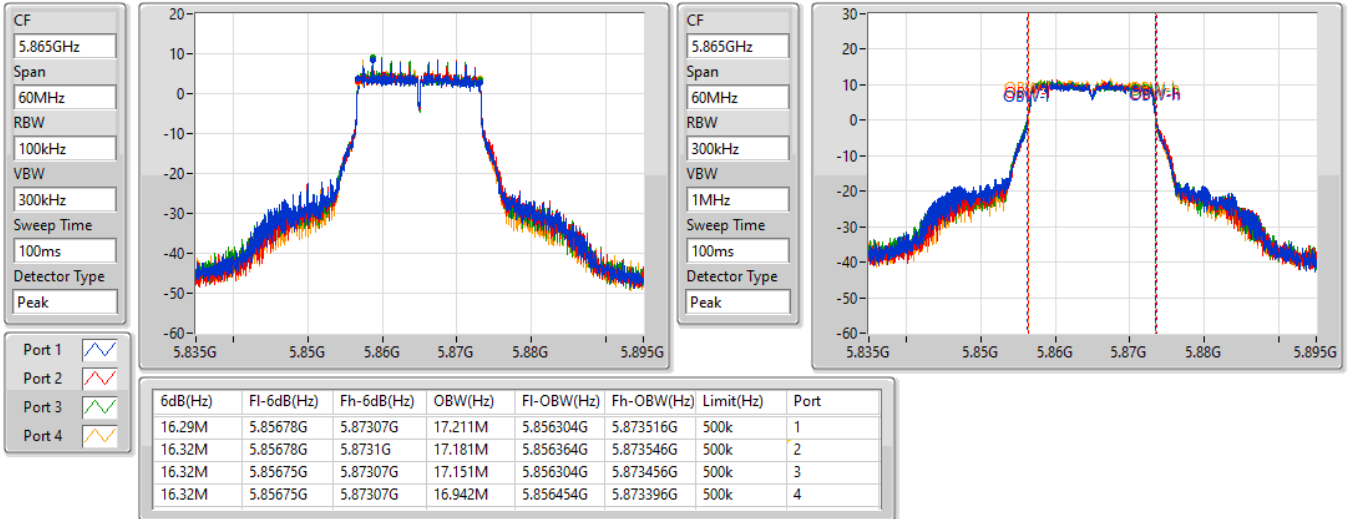

802.11a_Nss1,(6Mbps)_4TX
EBW
5845MHz

09/02/2022

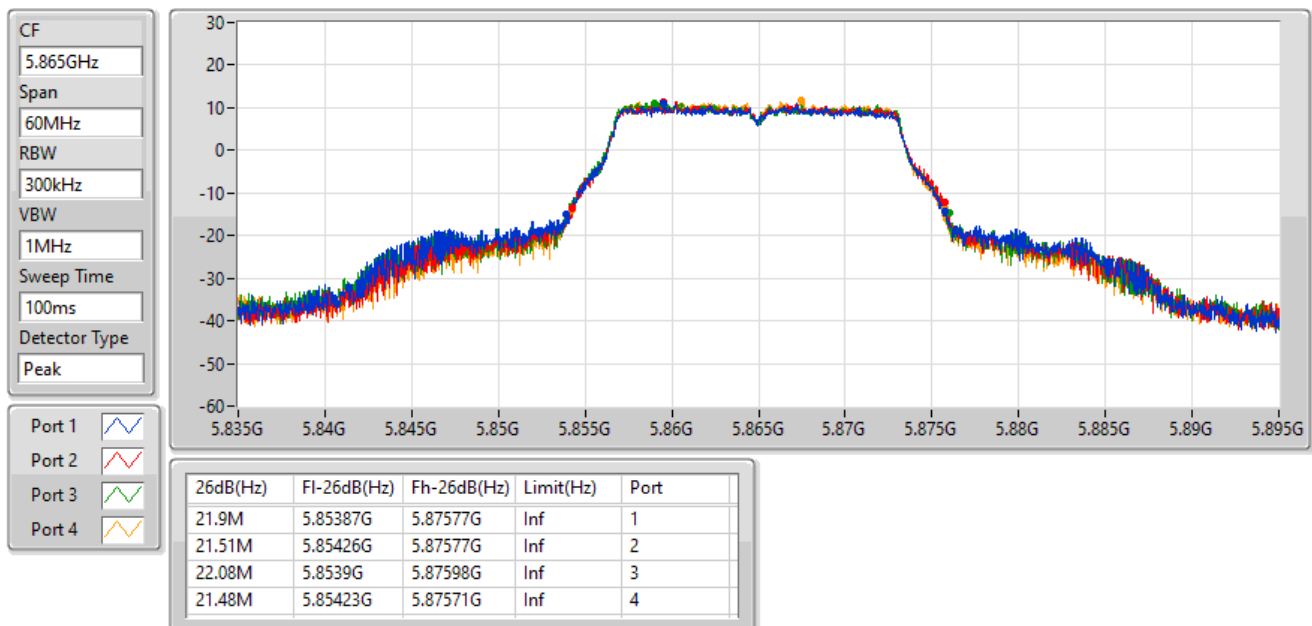


802.11a_Nss1,(6Mbps)_4TX
EBW
5865MHz

09/02/2022

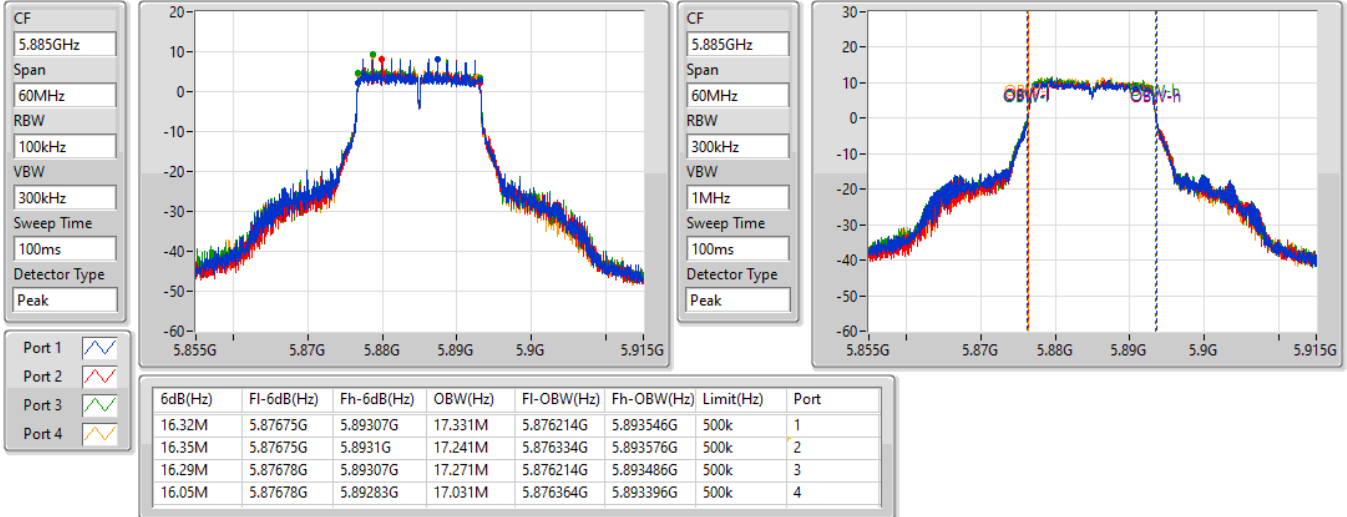

802.11a_Nss1,(6Mbps)_4TX
EBW
5865MHz

09/02/2022

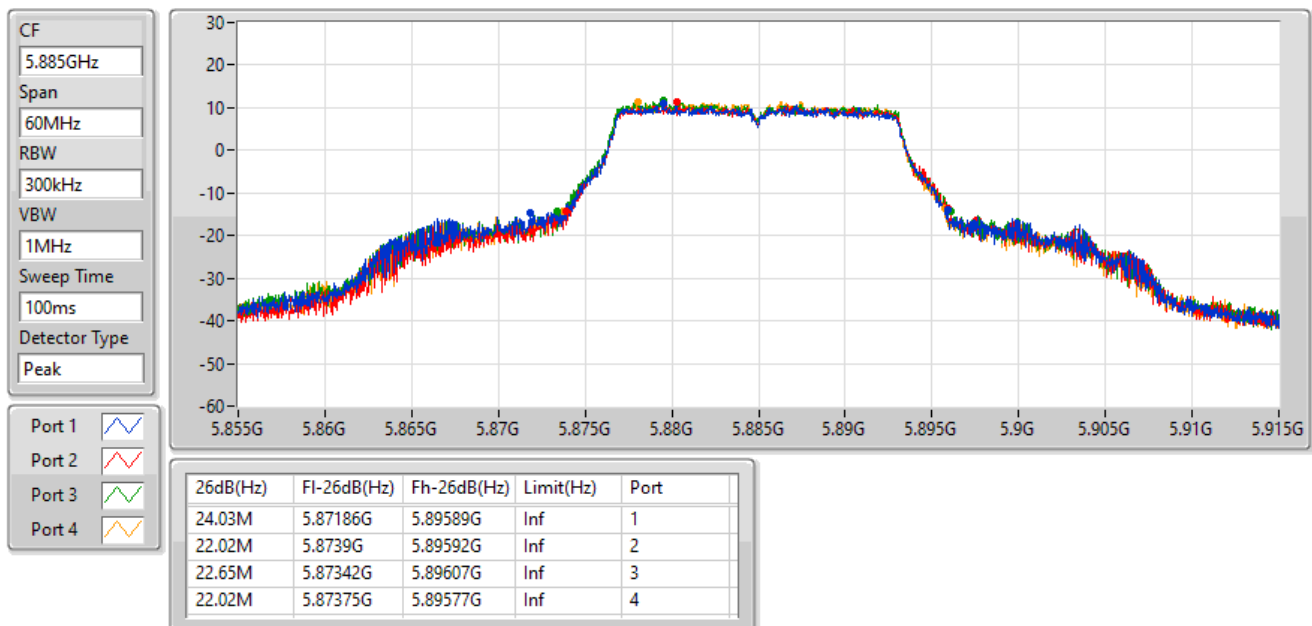


802.11a_Nss1,(6Mbps)_4TX
EBW
5885MHz

09/02/2022


802.11a_Nss1,(6Mbps)_4TX
EBW
5885MHz

09/02/2022



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.895GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.93M	19.22M	19M2D1D	17.16M	17.961M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.56M	43.478M	43M5D1D	36.12M	38.021M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	75.96M	78.561M	78M6D1D	71.64M	77.721M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	150.72M	155.682M	156MD1D	126.48M	154.723M

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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	500k	18.81M	19.19M	18.93M	19.1M	18.72M	19.22M	18.93M	19.1M
5865MHz	Pass	500k	18.63M	19.19M	18.84M	19.13M	18.72M	19.16M	18.72M	19.13M
5885MHz	Pass	500k	17.16M	18.141M	17.58M	17.961M	17.55M	18.021M	17.55M	17.961M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	500k	36.6M	38.081M	37.56M	38.081M	36.36M	38.021M	37.26M	38.021M
5875MHz	Pass	500k	36.66M	43.478M	36.72M	39.04M	36.9M	38.681M	36.12M	38.561M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	500k	73.56M	78.561M	75.96M	78.321M	75M	78.201M	71.64M	77.721M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	500k	126.48M	154.963M	143.28M	155.682M	150.72M	155.202M	141.12M	154.723M

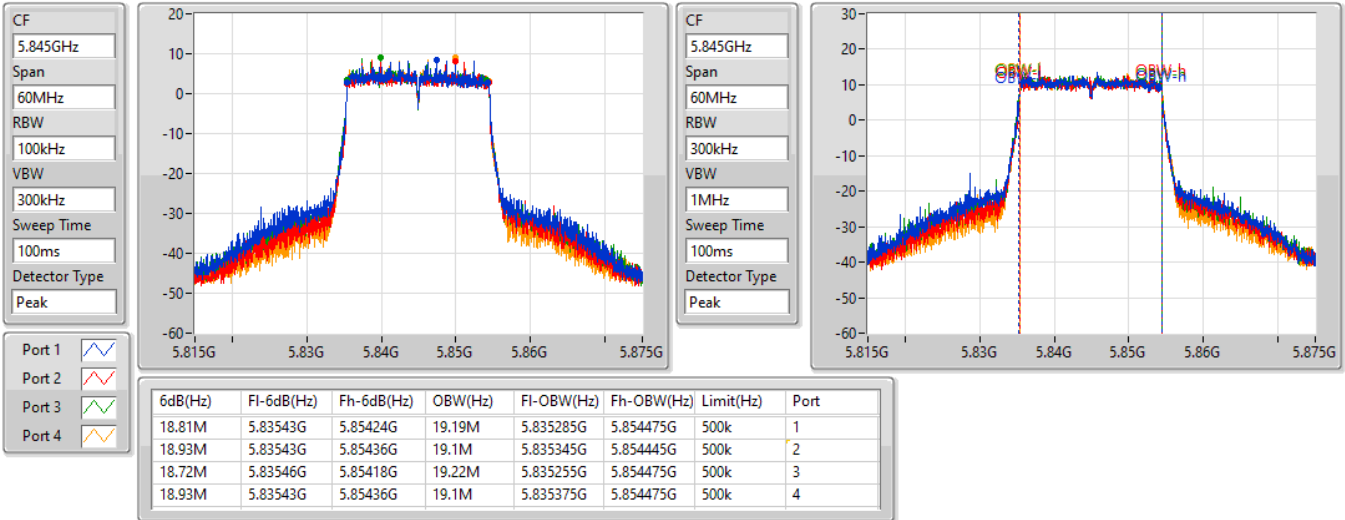
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5845MHz

09/02/2022

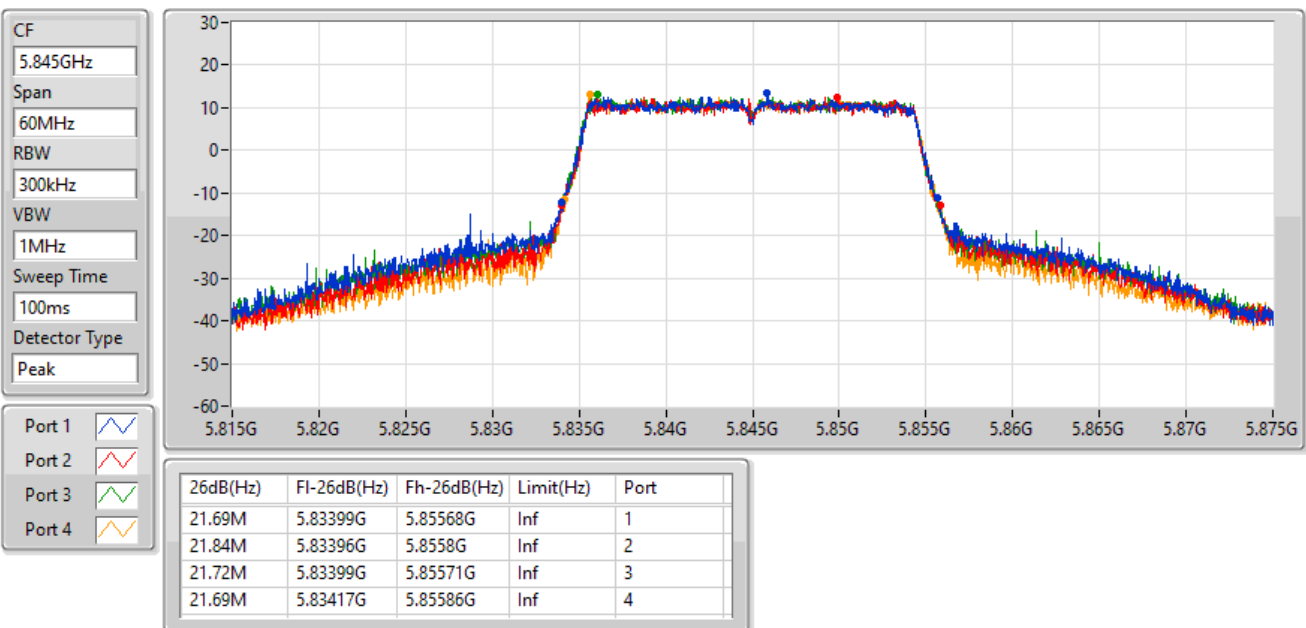


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

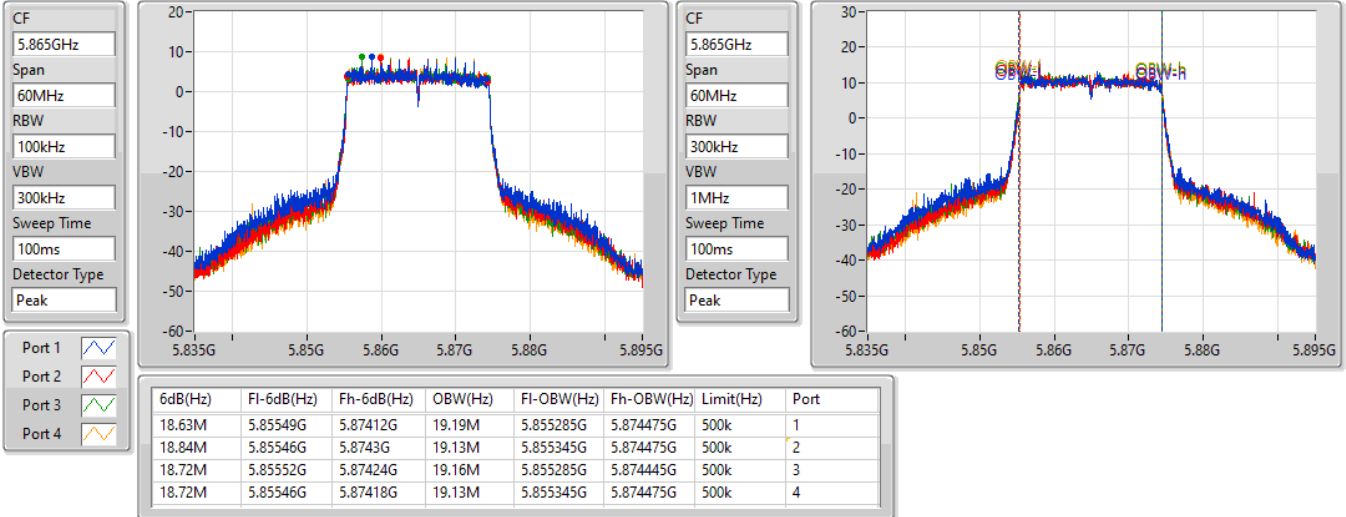
5845MHz

09/02/2022

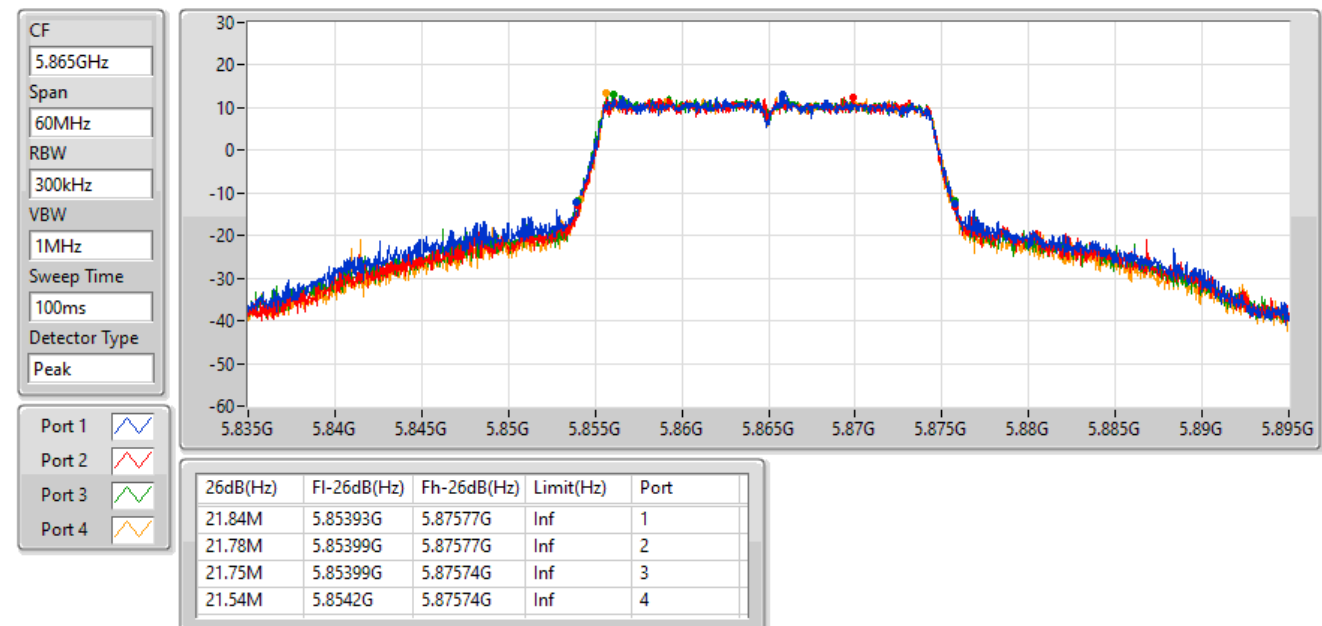


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5865MHz

09/02/2022

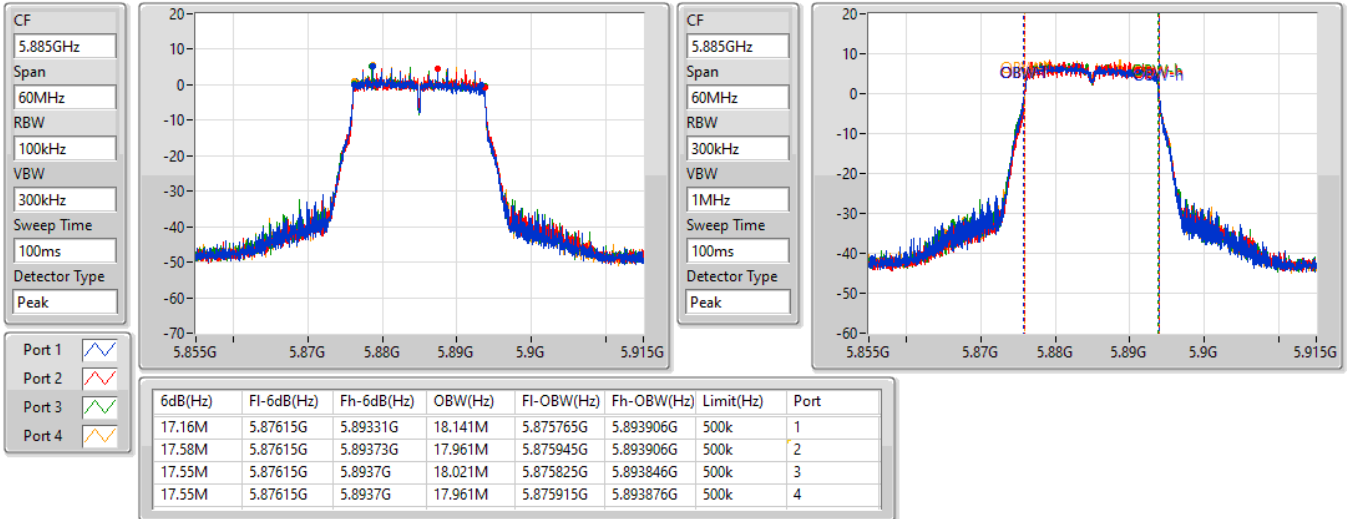

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5865MHz

09/02/2022

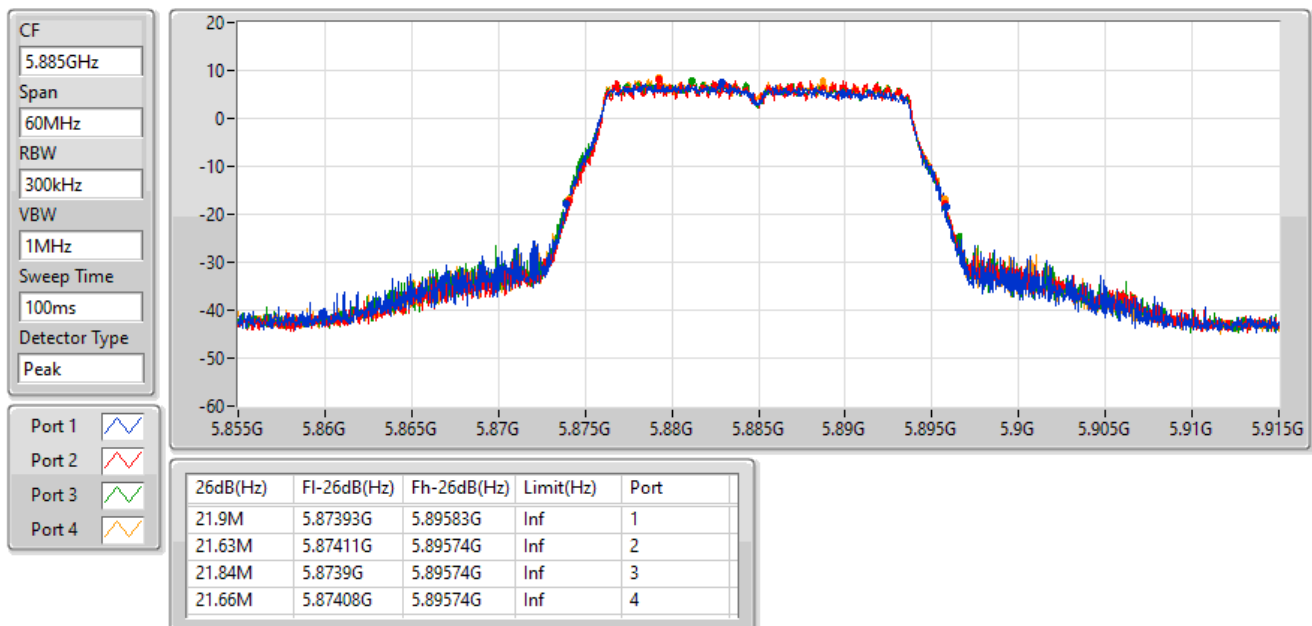


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5885MHz

19/10/2021

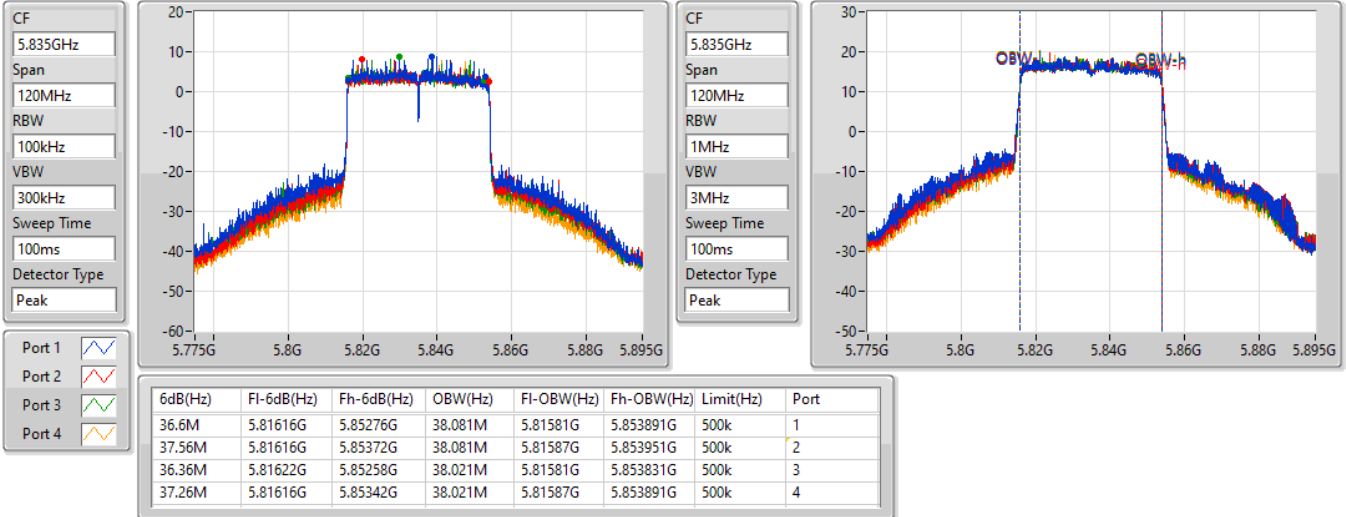

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5885MHz

19/10/2021

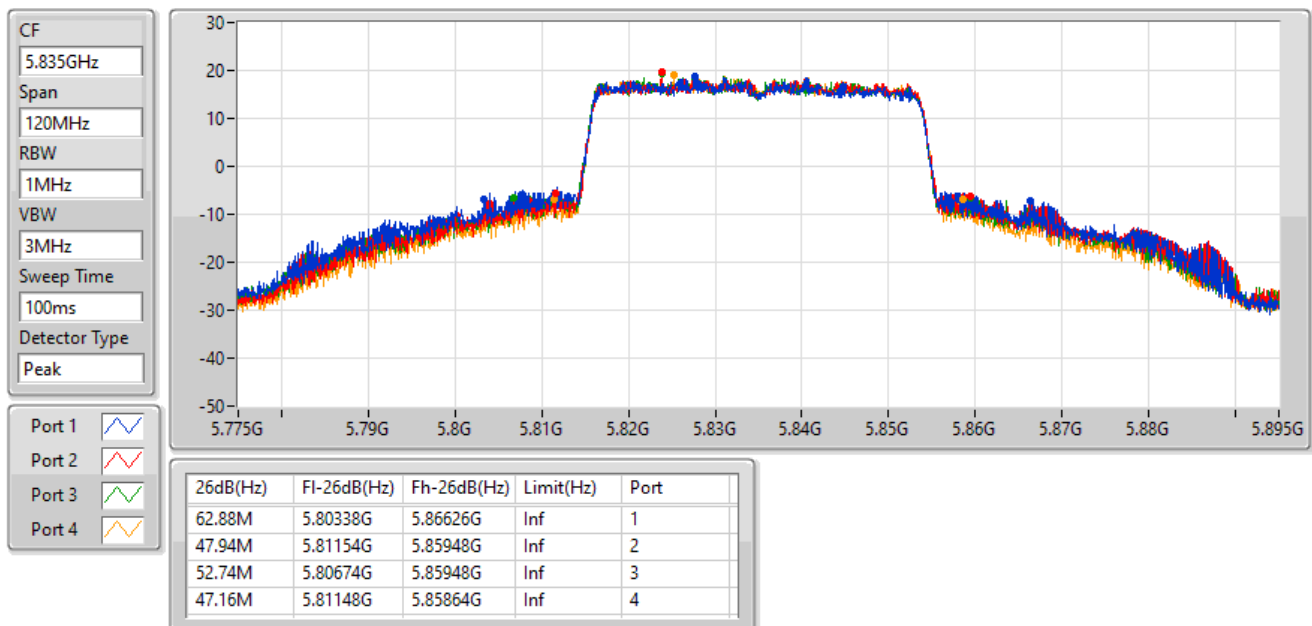


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5835MHz

09/02/2022

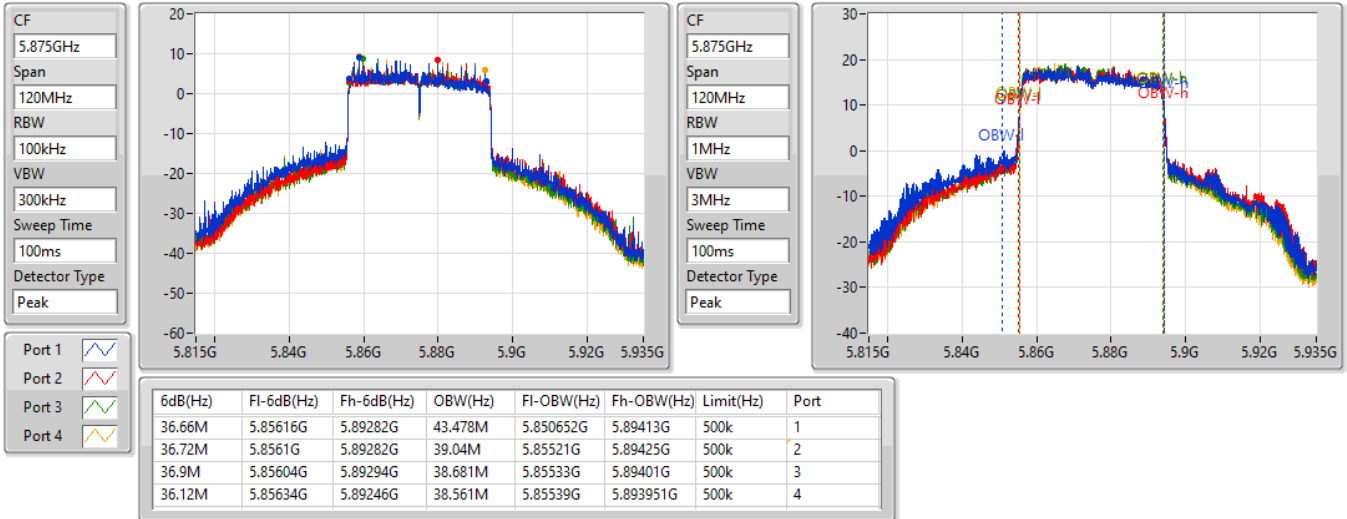

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5835MHz

09/02/2022

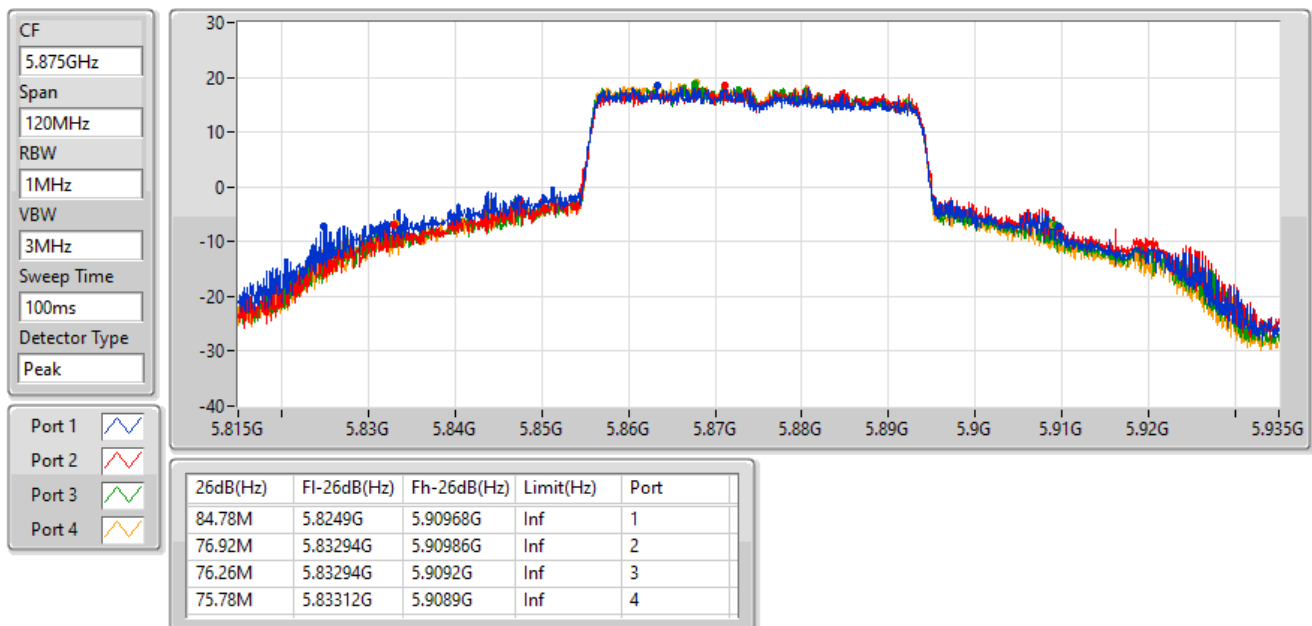


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5875MHz

09/02/2022


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5875MHz

09/02/2022

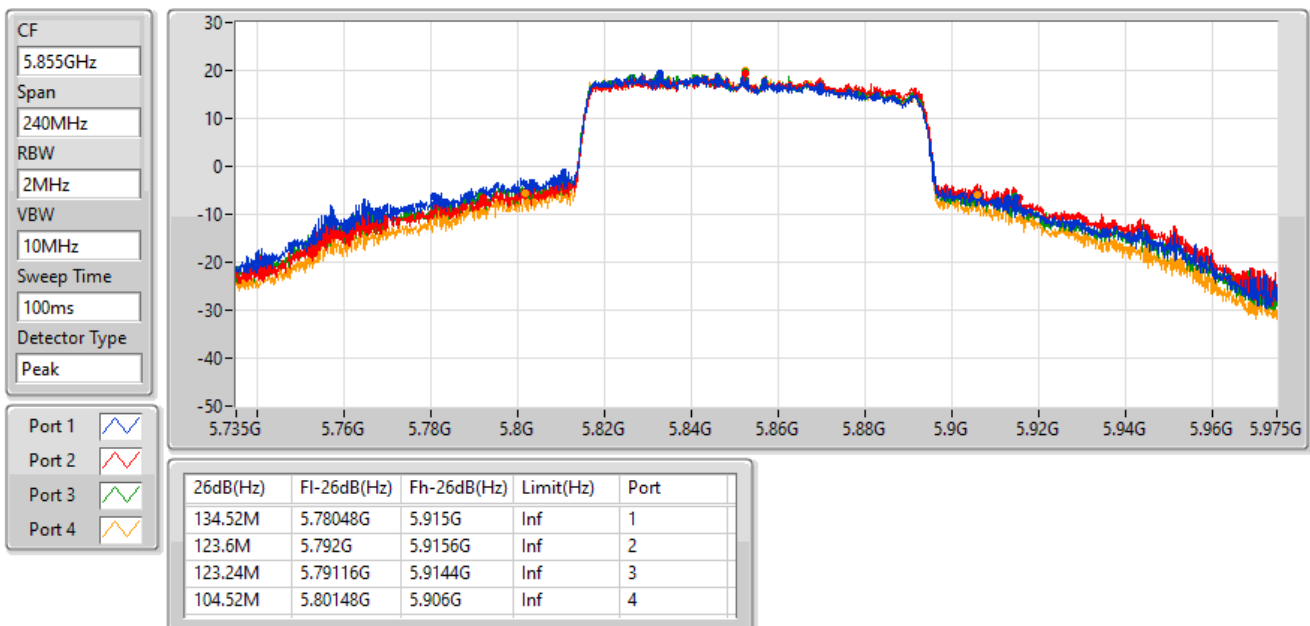


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5855MHz

09/02/2022

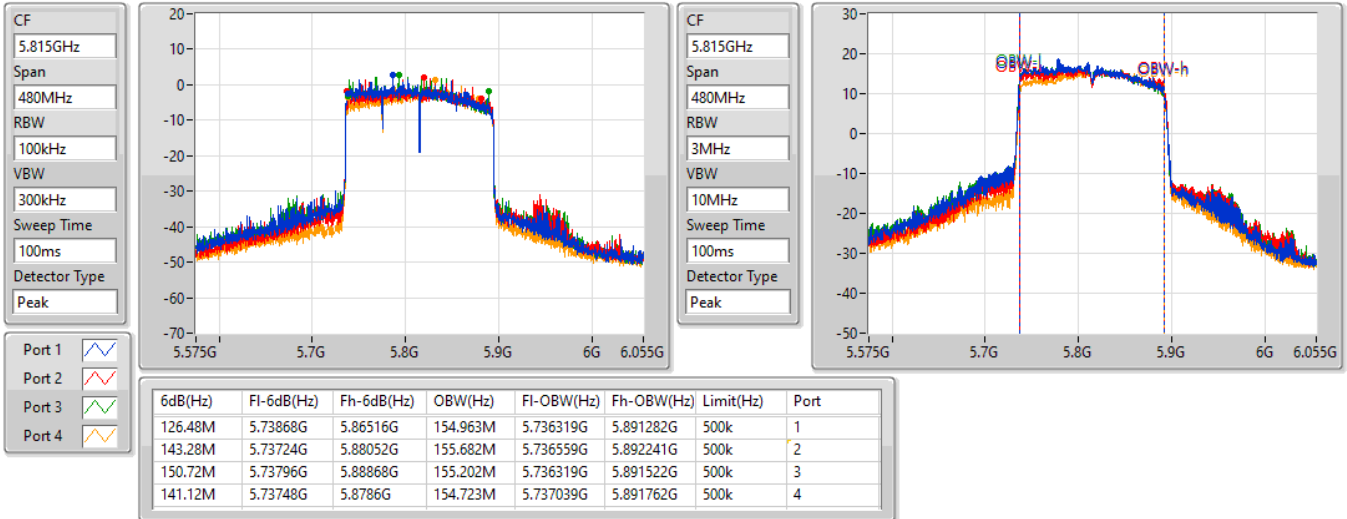

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5855MHz

09/02/2022

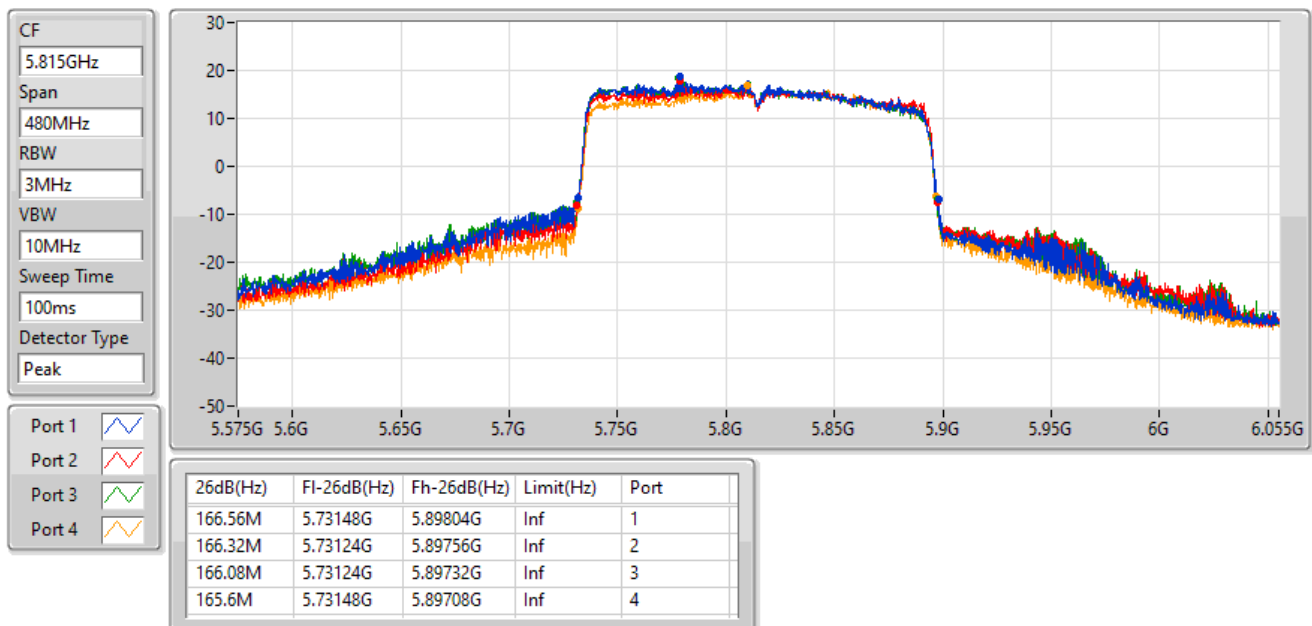


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5815MHz

19/10/2021


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5815MHz

19/10/2021



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.895GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	18.9M	19.34M	19M3D1D	18.48M	19.07M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	37.56M	43.658M	43M7D1D	33.84M	38.141M
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	75.84M	83.478M	83M5D1D	73.32M	78.441M
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	153.12M	155.442M	155MD1D	130.32M	154.483M

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

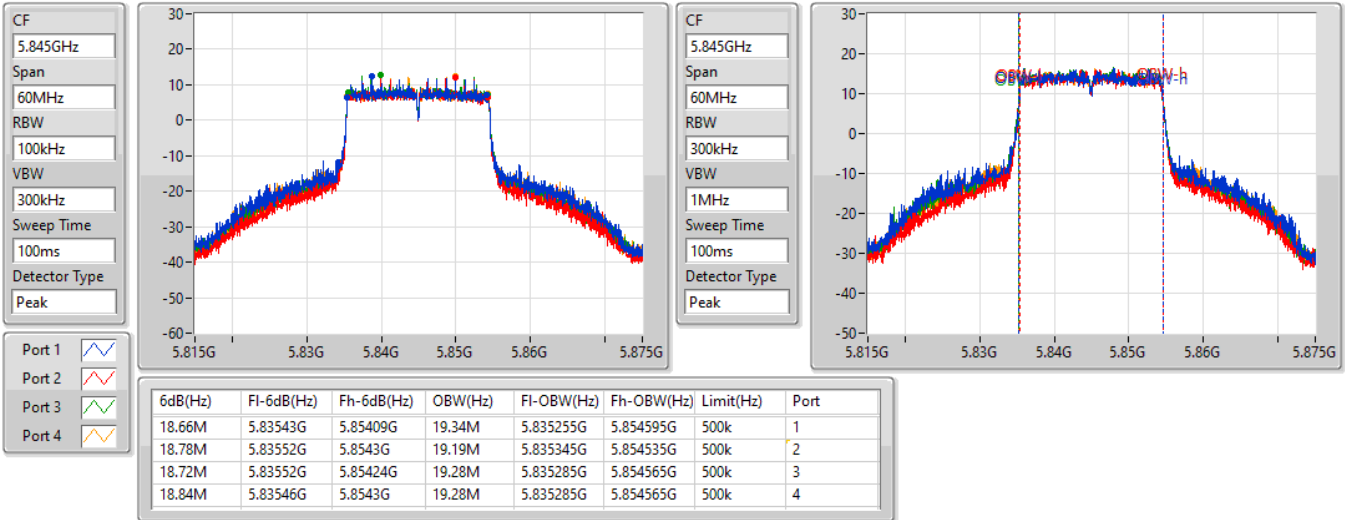
Result

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)
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	500k	18.66M	19.34M	18.78M	19.19M	18.72M	19.28M	18.84M	19.28M
5865MHz	Pass	500k	18.6M	19.34M	18.9M	19.31M	18.48M	19.34M	18.6M	19.25M
5885MHz	Pass	500k	18.6M	19.1M	18.9M	19.07M	18.66M	19.1M	18.84M	19.07M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	500k	37.14M	38.261M	36.96M	38.141M	37.38M	38.141M	37.5M	38.201M
5875MHz	Pass	500k	36.48M	43.658M	37.56M	42.099M	37.56M	41.619M	33.84M	41.139M
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	500k	75.84M	83.478M	74.64M	79.28M	73.32M	79.88M	75.36M	78.441M
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	500k	145.92M	154.723M	142.8M	155.442M	153.12M	154.963M	130.32M	154.483M

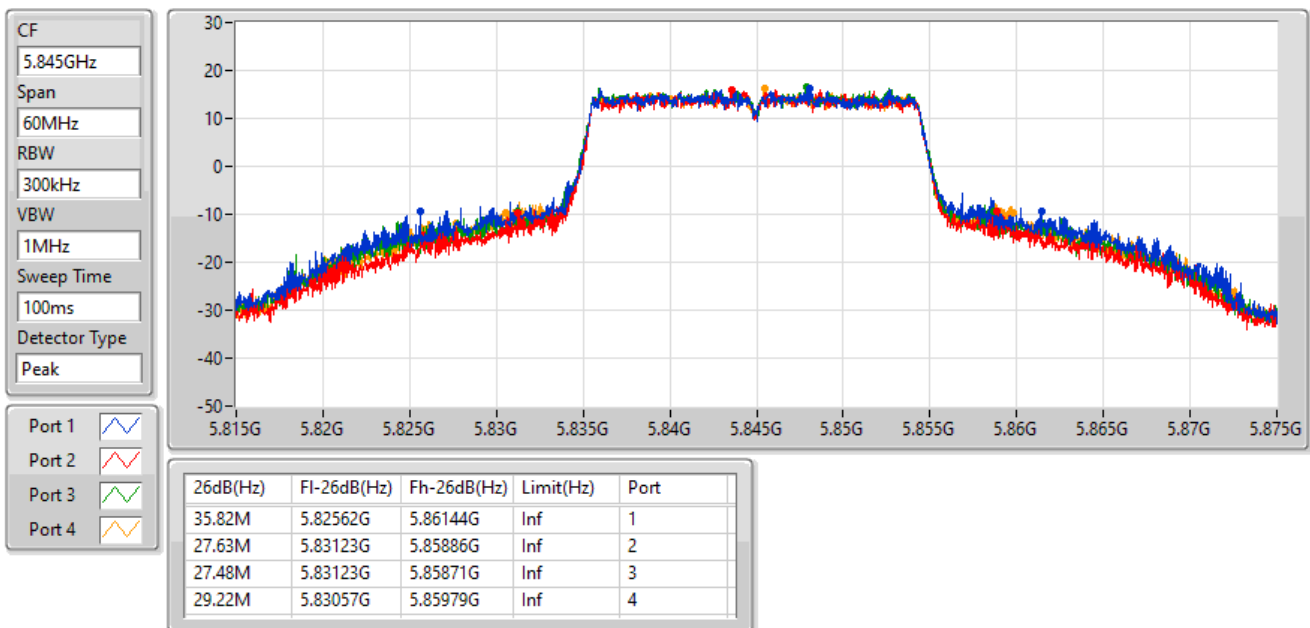
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
5845MHz

19/10/2021


802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
5845MHz

19/10/2021

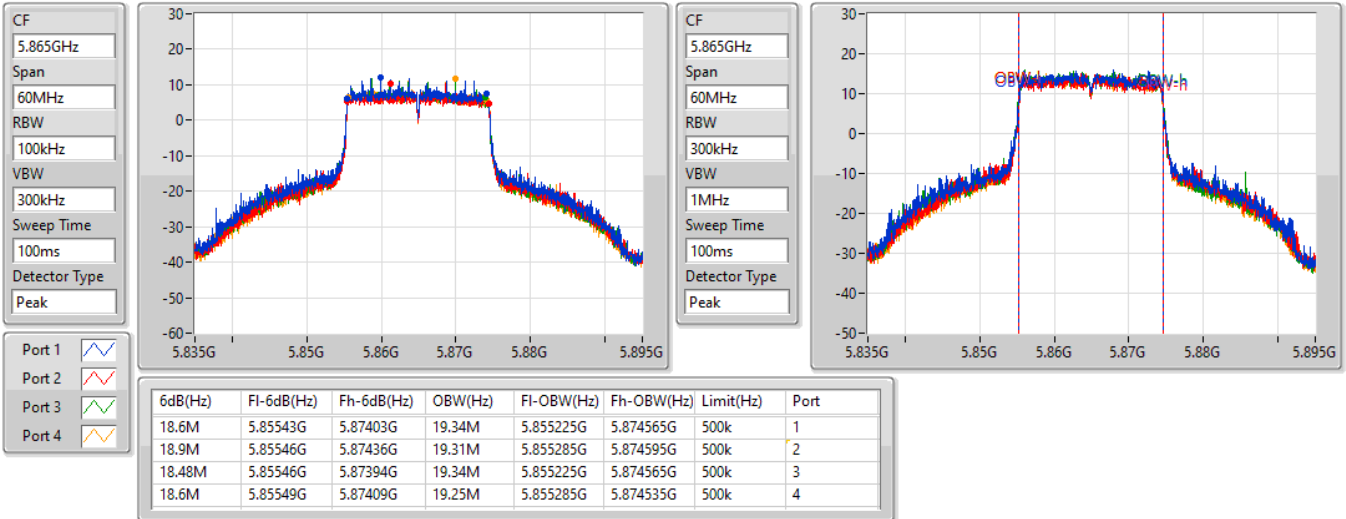


802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

5865MHz

19/10/2021

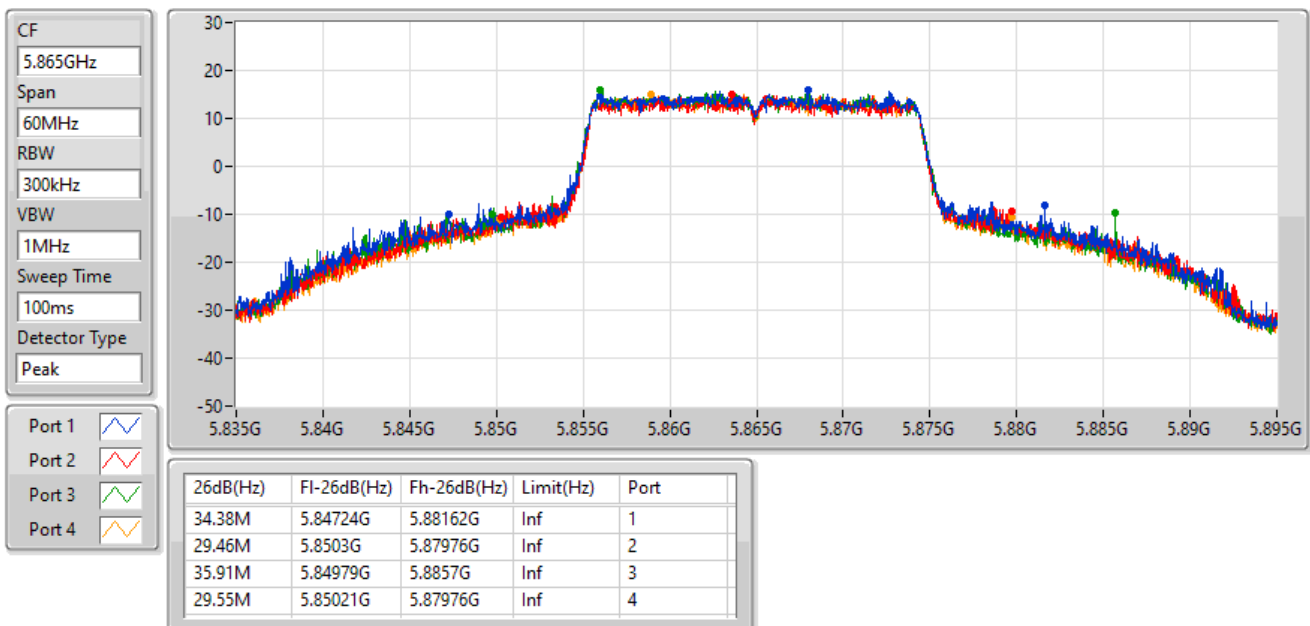


802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

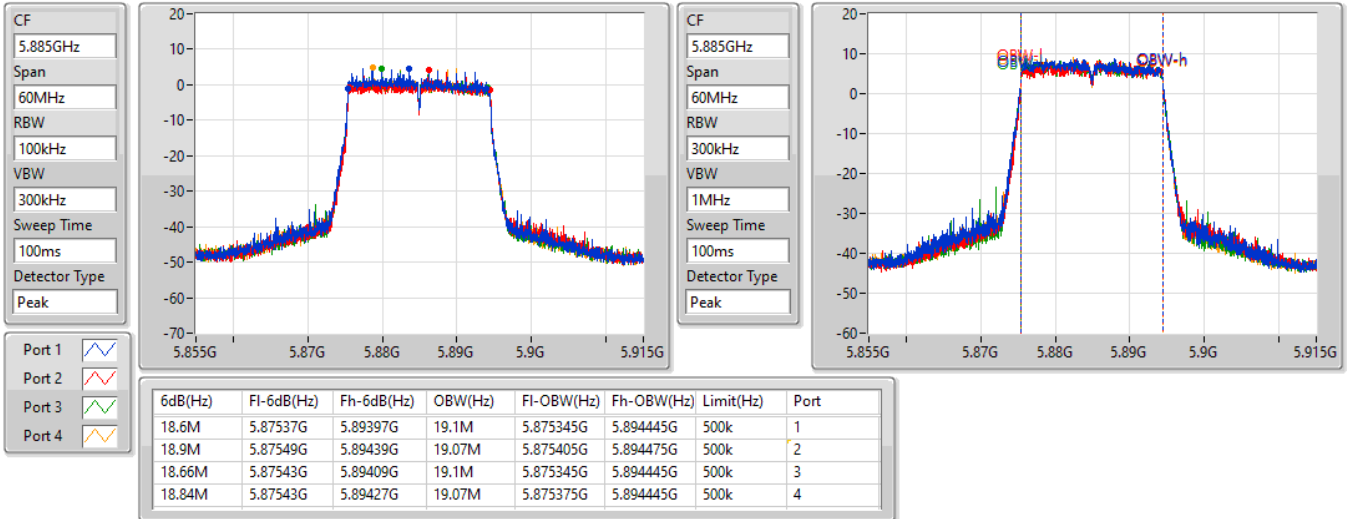
5865MHz

19/10/2021

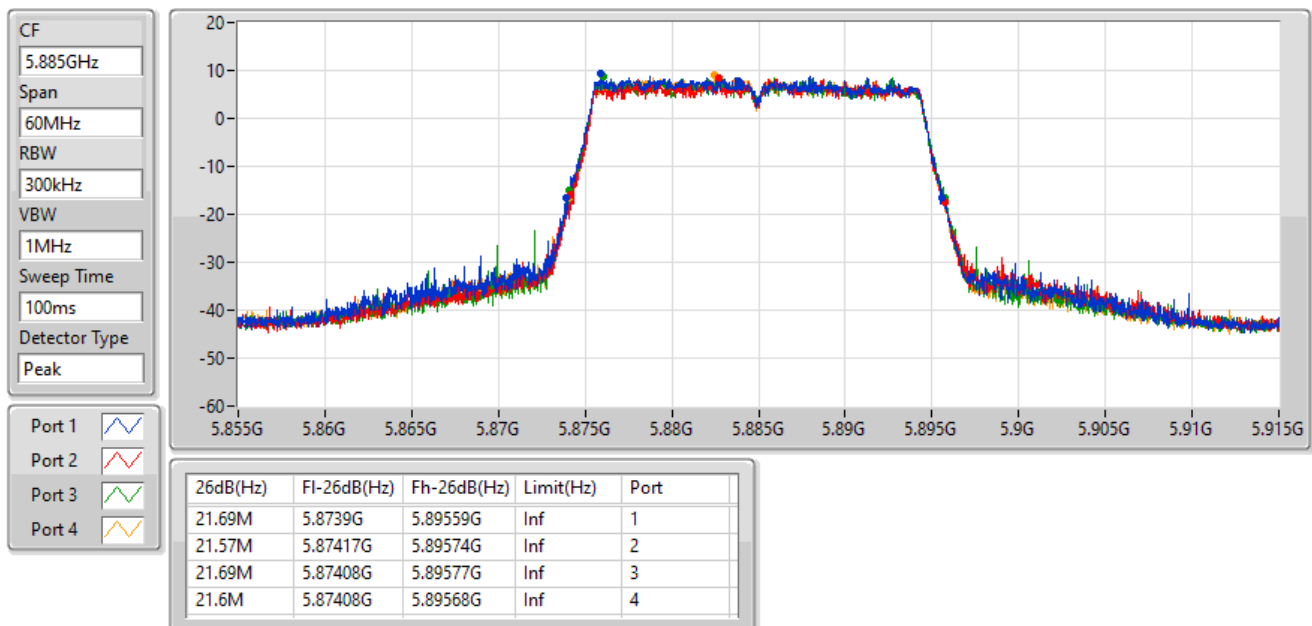


802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
5885MHz

19/10/2021

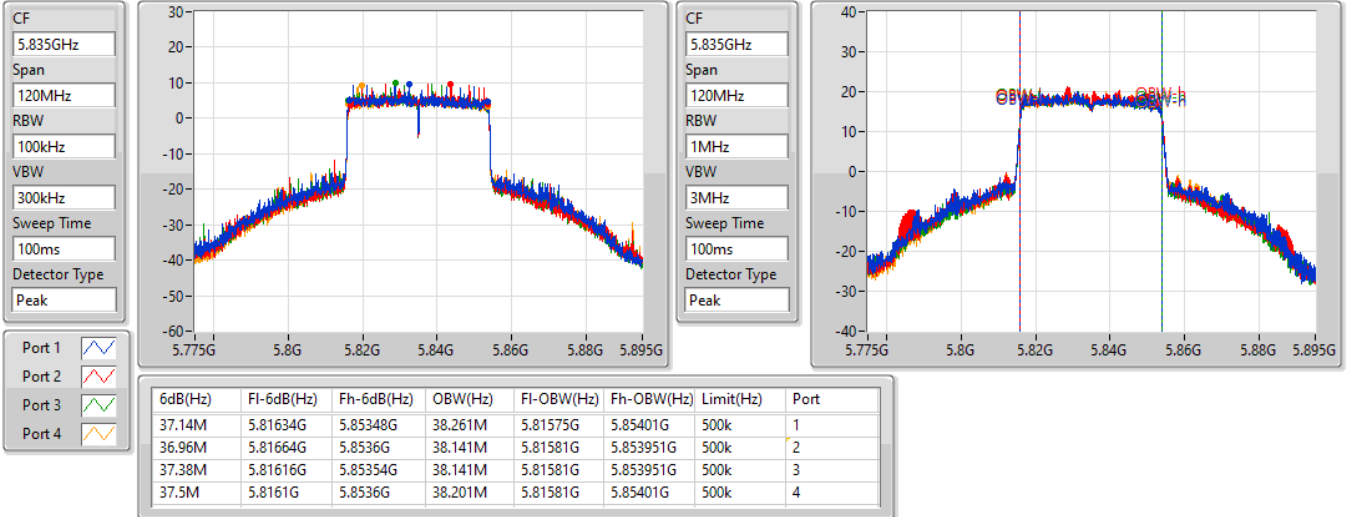

802.11ax HEW20-BF_Nss2,(MCS0)_4TX
EBW
5885MHz

19/10/2021

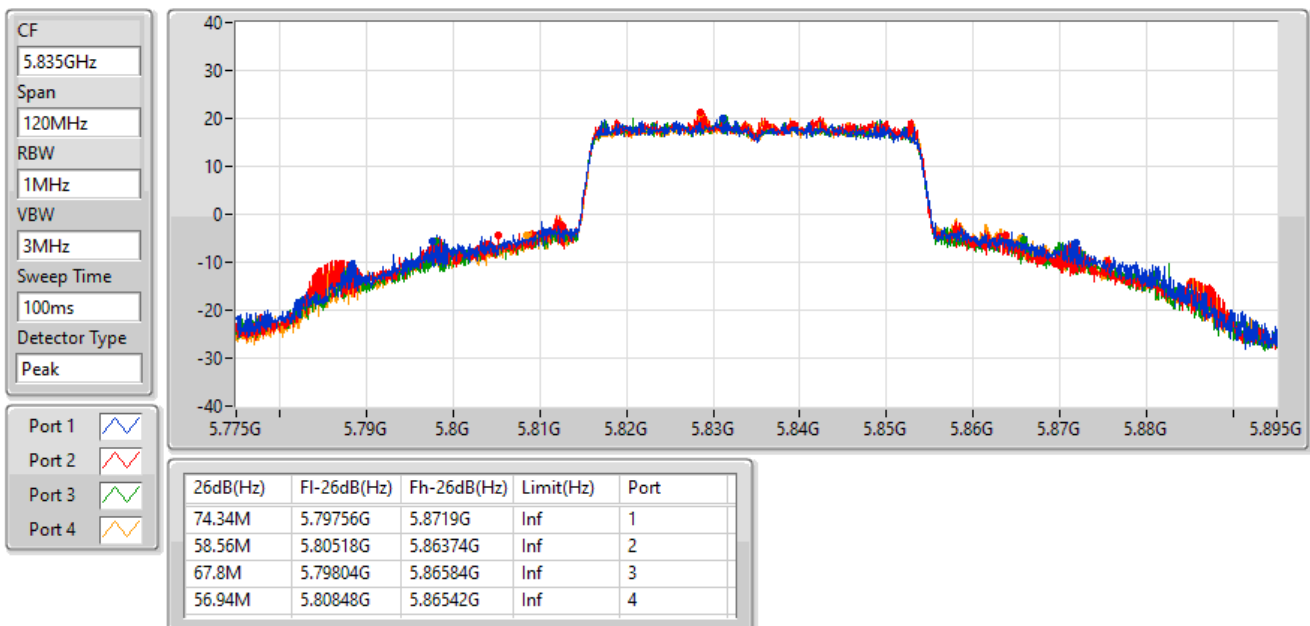


802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
5835MHz

19/10/2021

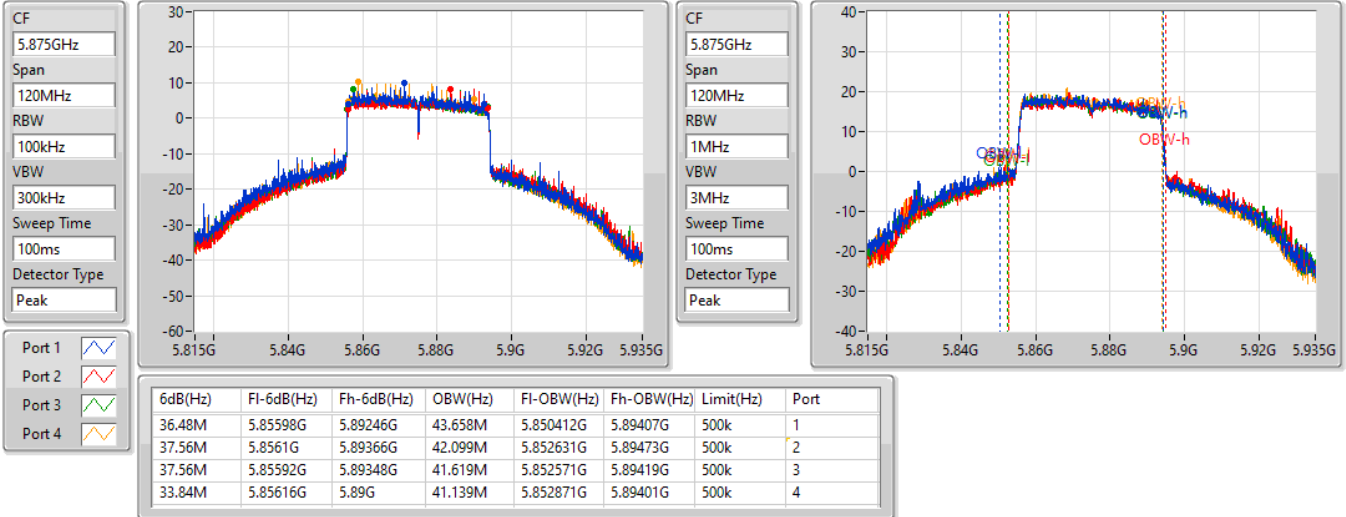

802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
5835MHz

19/10/2021

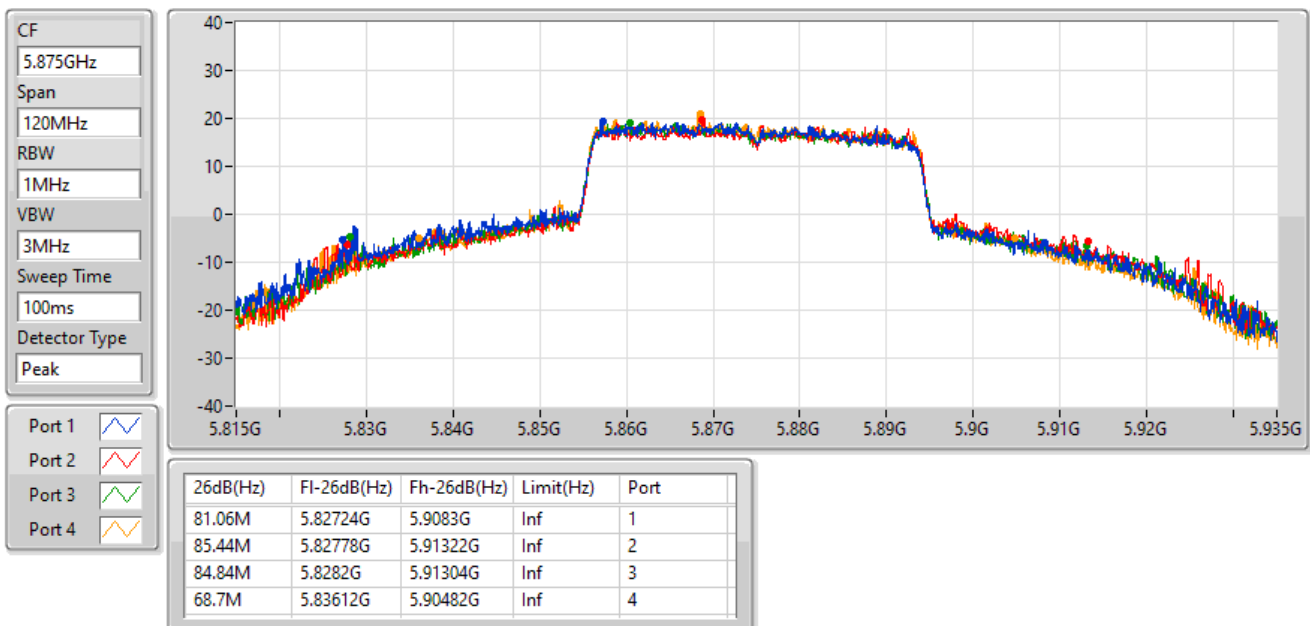


802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
5875MHz

19/10/2021

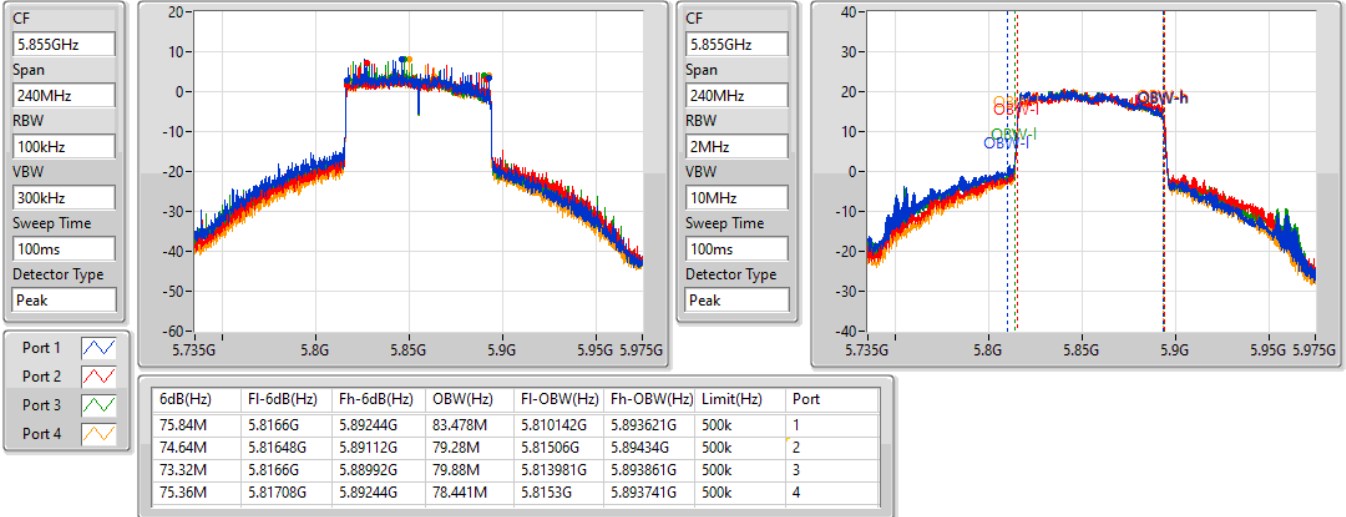

802.11ax HEW40-BF_Nss2,(MCS0)_4TX
EBW
5875MHz

19/10/2021

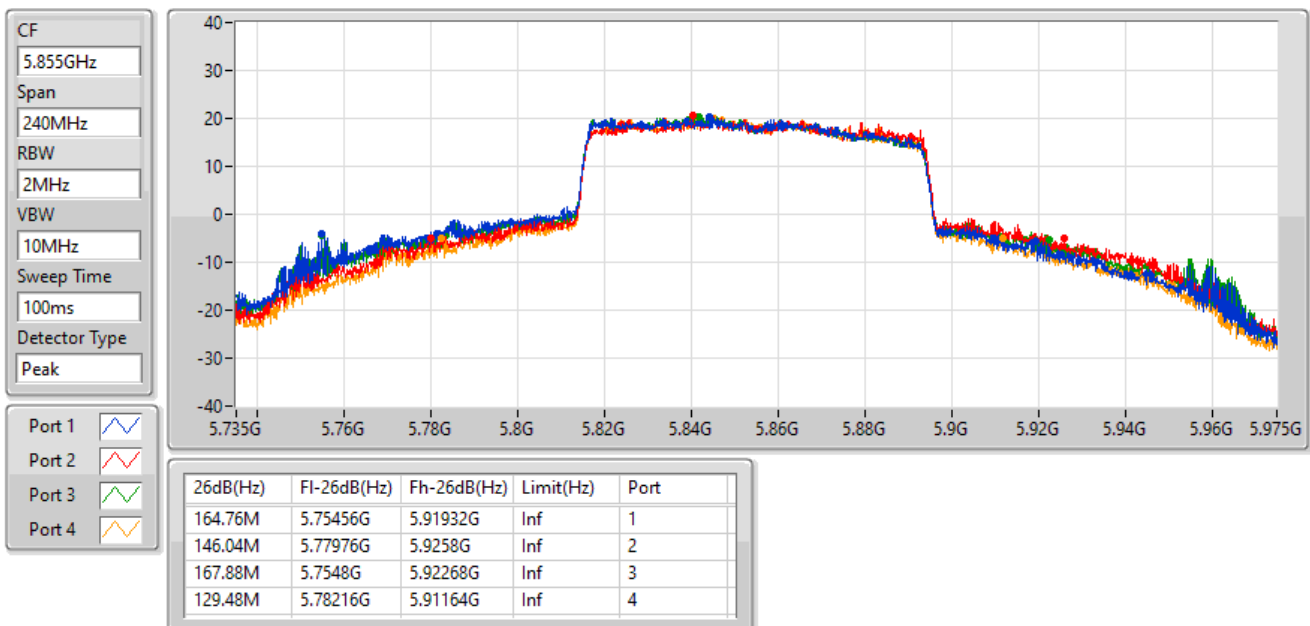


802.11ax HEW80-BF_Nss2,(MCS0)_4TX
EBW
5855MHz

19/10/2021

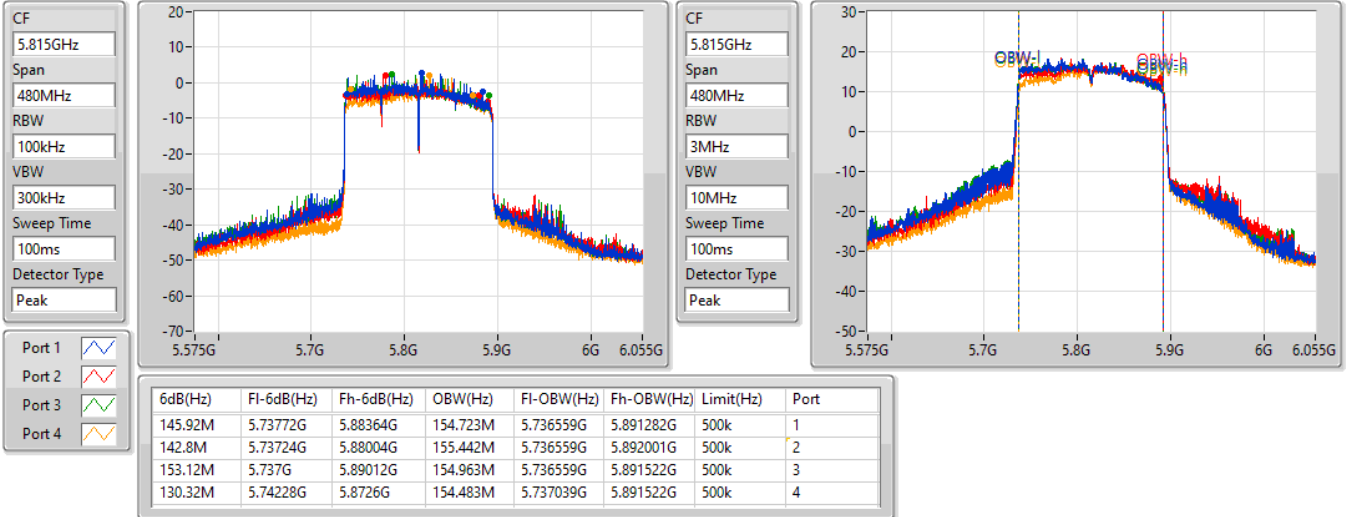

802.11ax HEW80-BF_Nss2,(MCS0)_4TX
EBW
5855MHz

19/10/2021

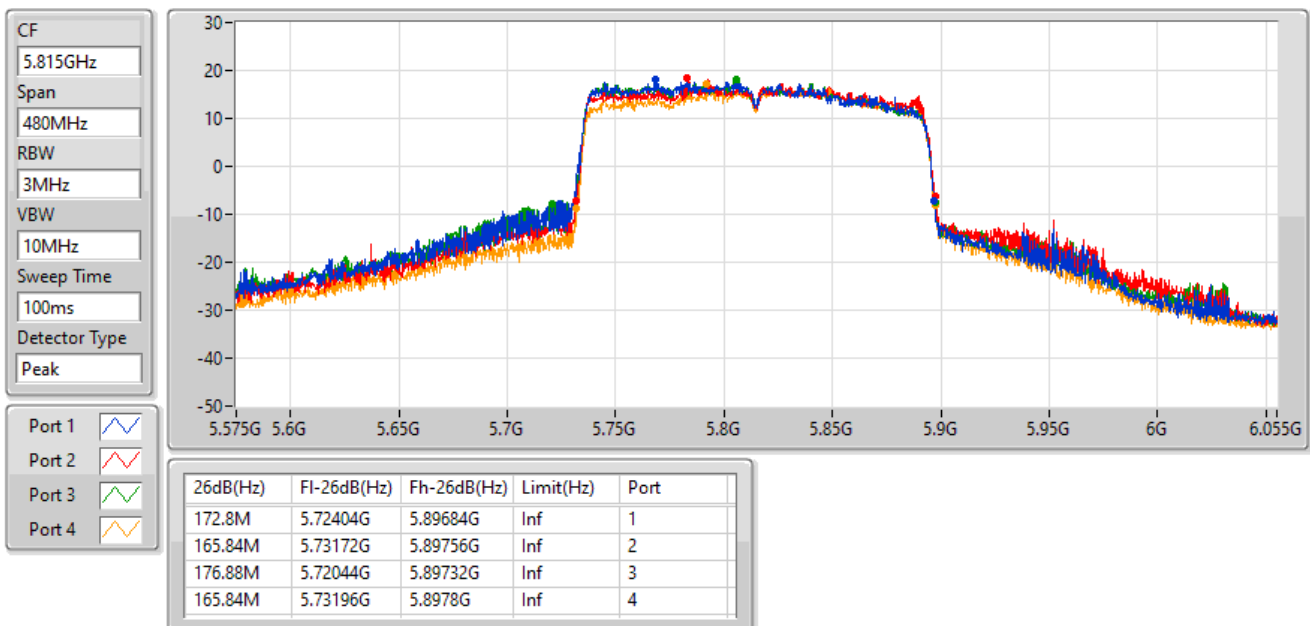


802.11ax HEW160-BF_Nss2,(MCS0)_4TX
EBW
5815MHz

19/10/2021


802.11ax HEW160-BF_Nss2,(MCS0)_4TX
EBW
5815MHz

19/10/2021





Average Power

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.895GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	25.31	0.33963	29.93	0.98401



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
5845MHz	Pass	4.62	19.32	19.04	19.15	19.42	25.26	29.88	36.00
5865MHz	Pass	4.62	19.56	18.99	19.10	19.49	25.31	29.93	36.00
5885MHz	Pass	4.62	19.49	18.68	18.98	19.27	25.14	29.76	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	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	25.97	0.39537	33.69	2.33884
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.19	0.65917	35.91	3.89942
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	28.17	0.65615	35.89	3.88150
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	27.74	0.59429	35.46	3.51560

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5845MHz	Pass	7.72	20.02	19.86	19.83	20.08	25.97	33.69	36.00
5865MHz	Pass	7.72	19.75	18.93	19.25	19.70	25.44	33.16	36.00
5885MHz	Pass	7.72	16.18	15.90	16.26	16.37	22.20	29.92	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5835MHz	Pass	7.72	22.58	22.19	21.66	22.18	28.19	35.91	36.00
5875MHz	Pass	7.72	22.53	21.78	21.36	22.36	28.05	35.77	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5855MHz	Pass	7.72	22.58	22.04	21.68	22.26	28.17	35.89	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5815MHz	Pass	7.72	22.10	21.66	22.08	20.92	27.74	35.46	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	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	29.17	0.82604	33.89	2.44906
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	29.91	0.97949	34.63	2.90402
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	29.97	0.99312	34.69	2.94442
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	27.82	0.60534	32.54	1.79473

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5845MHz	Pass	4.72	23.15	22.96	23.28	23.20	29.17	33.89	36.00
5865MHz	Pass	4.72	22.98	22.23	22.74	22.63	28.67	33.39	36.00
5885MHz	Pass	4.72	15.87	15.57	15.54	16.09	21.79	26.51	36.00
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5835MHz	Pass	4.72	24.03	24.06	23.86	23.58	29.91	34.63	36.00
5875MHz	Pass	4.72	23.45	22.98	23.29	23.50	29.33	34.05	36.00
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5855MHz	Pass	4.72	24.13	23.78	24.09	23.78	29.97	34.69	36.00
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5815MHz	Pass	4.72	22.14	21.93	22.07	20.98	27.82	32.54	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	12.24	19.96

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)	PD (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
5845MHz	Pass	7.72	6.39	5.93	6.41	6.46	12.15	19.87	20.00
5865MHz	Pass	7.72	6.53	5.94	6.41	6.39	12.20	19.92	20.00
5885MHz	Pass	7.72	6.55	5.81	6.27	6.68	12.24	19.96	20.00

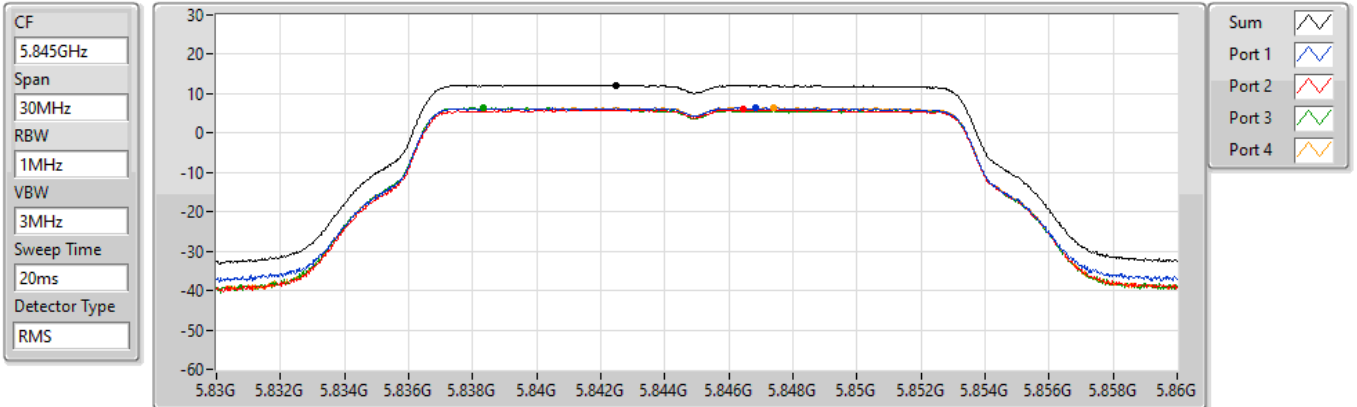
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5845MHz

14/02/2022

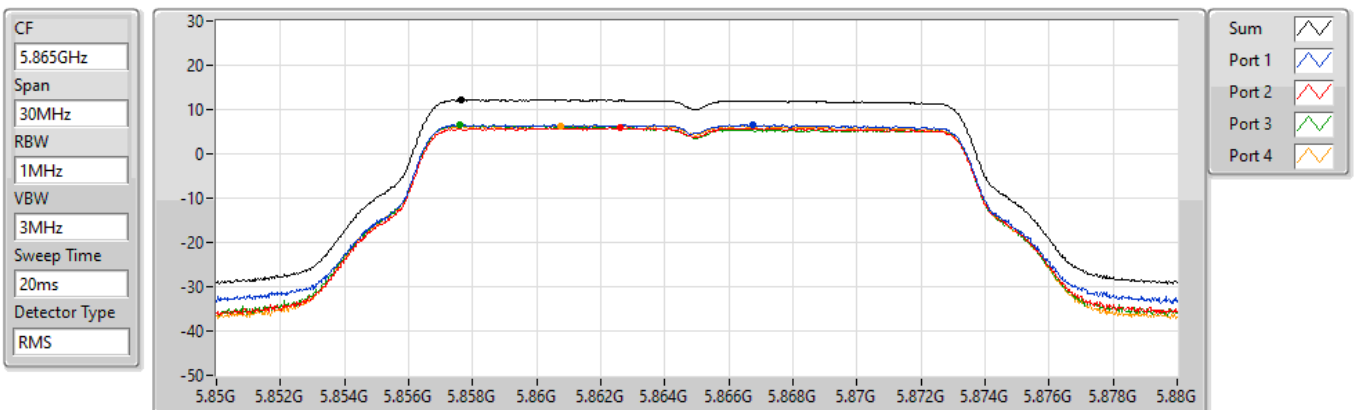


802.11a_Nss1,(6Mbps)_4TX

PSD

5865MHz

14/02/2022

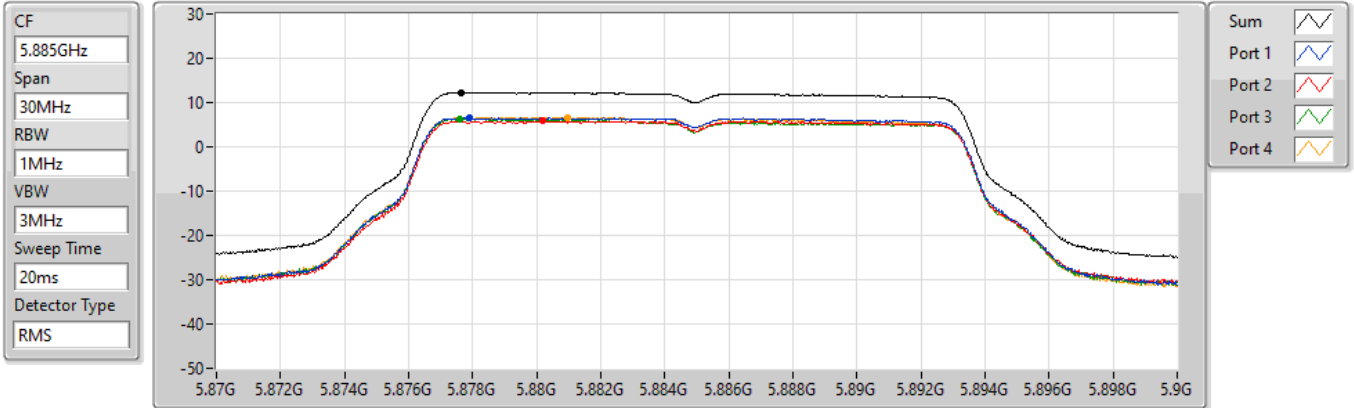


802.11a_Nss1,(6Mbps)_4TX

5885MHz

PSD

14/02/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.24	12.24	6.55	5.81	6.27	6.68

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.895GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	12.27	19.99
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.04	19.76
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	9.26	16.98
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	4.86	12.58

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)	PD (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5845MHz	Pass	7.72	6.49	6.29	6.30	6.49	12.27	19.99	20.00
5865MHz	Pass	7.72	6.63	5.87	6.29	6.54	12.21	19.93	20.00
5885MHz	Pass	7.72	3.39	2.76	3.41	3.56	9.19	16.91	20.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5835MHz	Pass	7.72	5.20	5.17	4.44	5.09	10.93	18.65	20.00
5875MHz	Pass	7.72	6.59	5.75	5.76	6.55	12.04	19.76	20.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5855MHz	Pass	7.72	3.75	3.16	2.99	3.54	9.26	16.98	20.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5815MHz	Pass	7.72	-1.04	-1.12	-0.91	-1.16	4.86	12.58	20.00

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

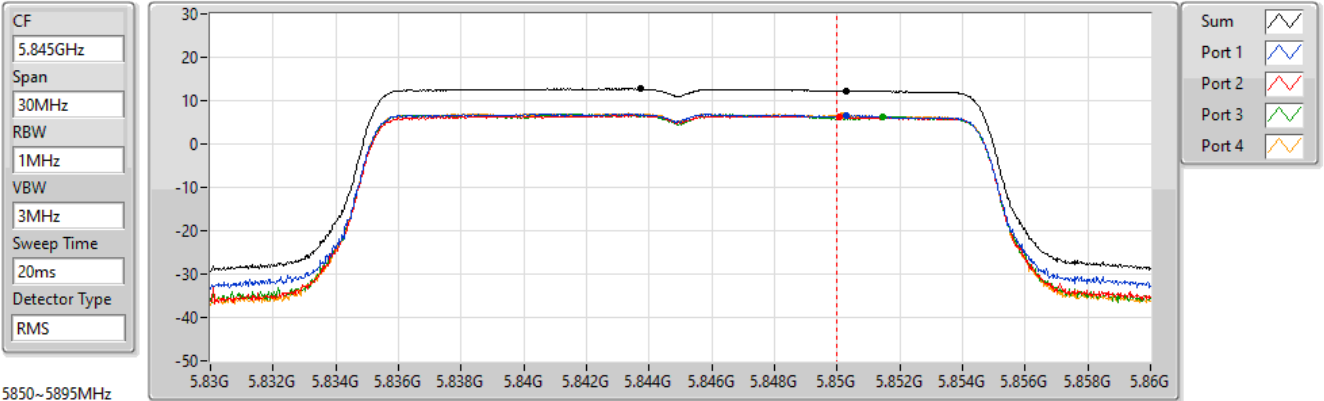
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5845MHz

14/02/2022



5850~5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.27	12.27	6.49	6.29	6.30	6.49

5725-5850MHz

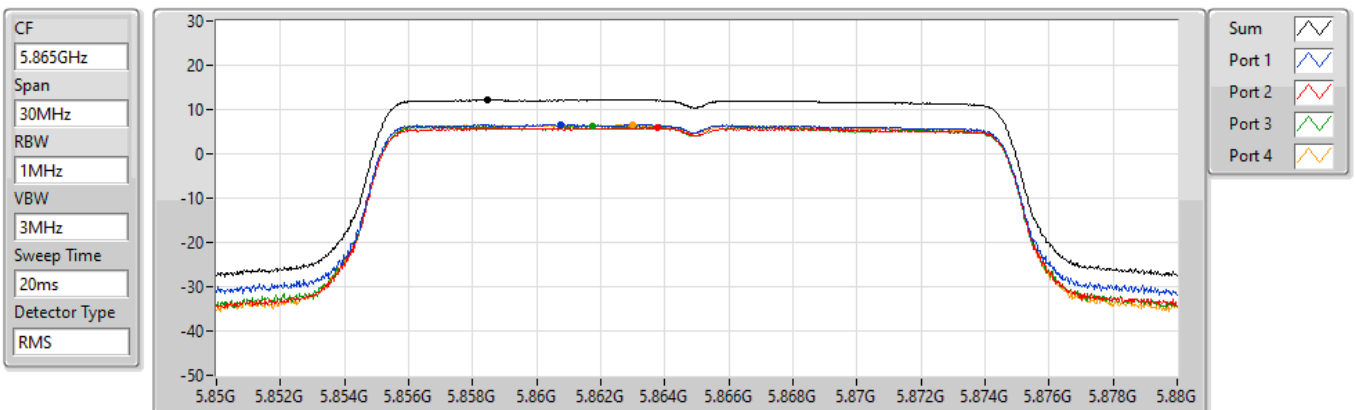
Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
12.76	9.75	500k	-3.01

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5865MHz

14/02/2022



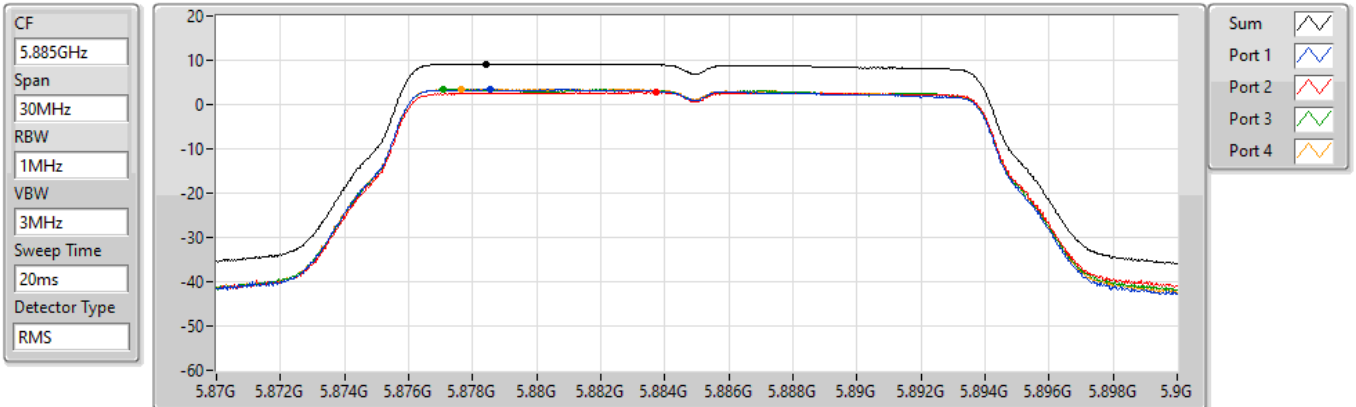
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.21	12.21	6.63	5.87	6.29	6.54

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5885MHz

19/10/2021



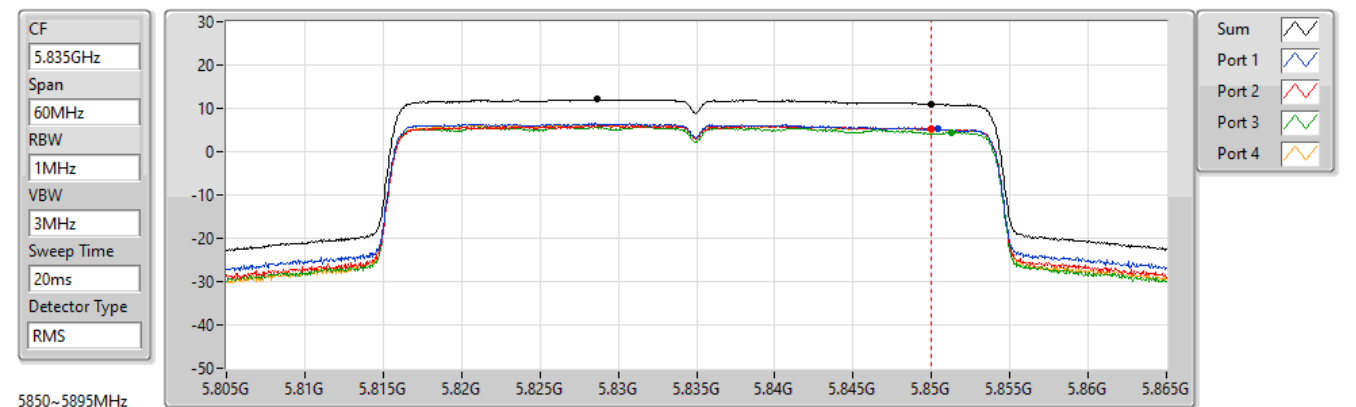
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.19	9.19	3.39	2.76	3.41	3.56

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5835MHz

14/02/2022



5850~5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.93	10.93	5.20	5.17	4.44	5.09

5725-5850MHz

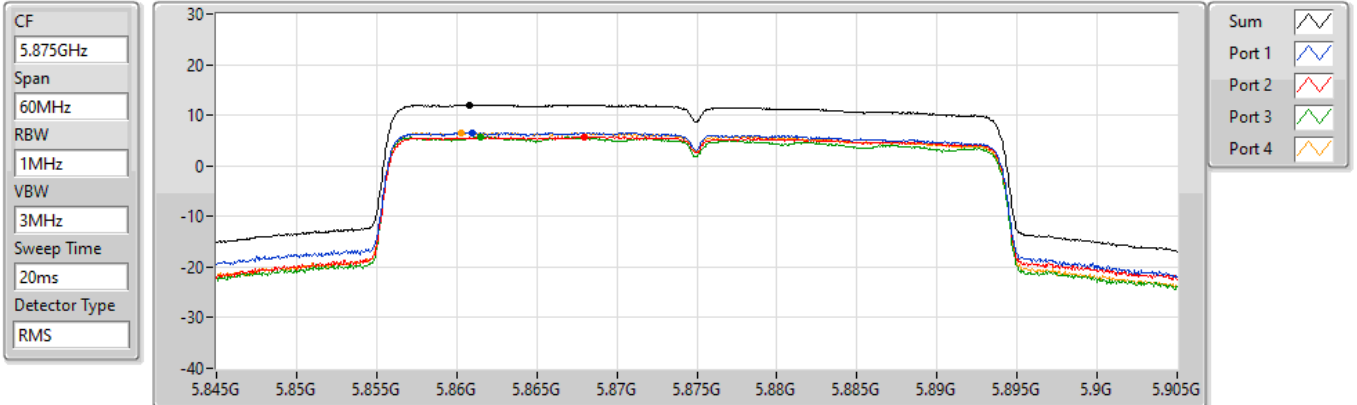
Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
12.06	9.05	500k	-3.01

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5875MHz

14/02/2022



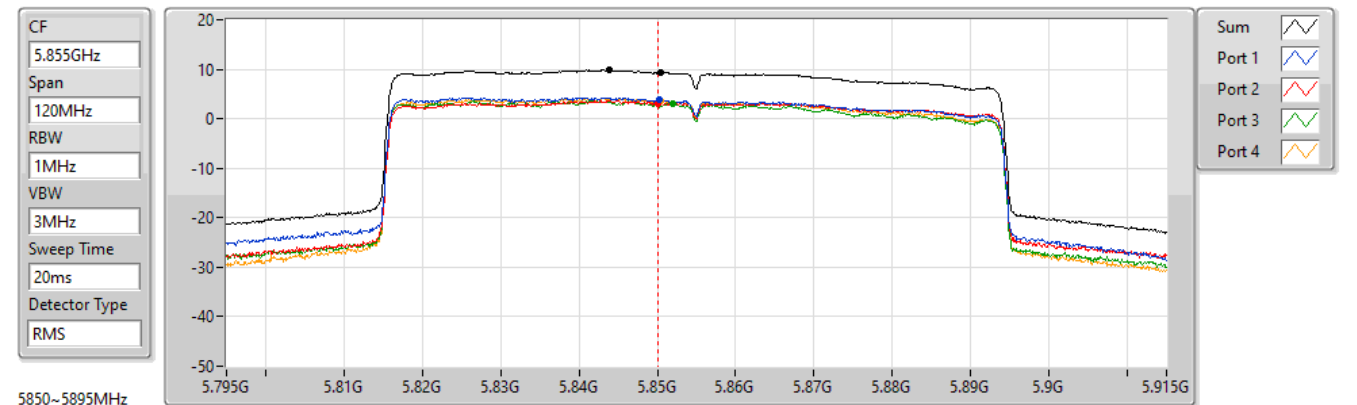
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.04	12.04	6.59	5.75	5.76	6.55

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5855MHz

14/02/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.26	9.26	3.75	3.16	2.99	3.54

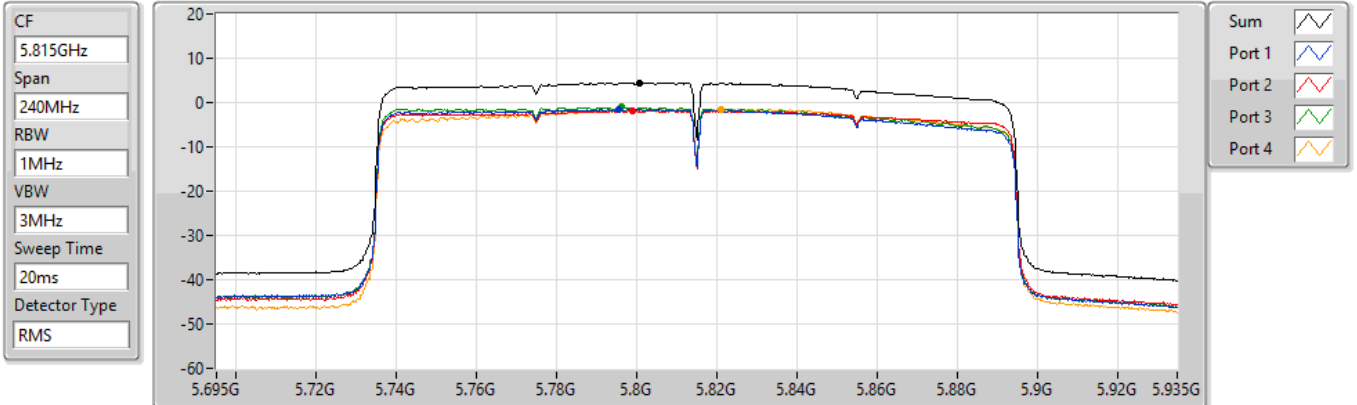
Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
9.82	6.81	500k	-3.01

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5815MHz

PSD

17/11/2021



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.86	4.86	-1.04	-1.12	-0.91	-1.16

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.895GHz	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	15.25	19.97
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	13.52	18.24
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	10.88	15.60
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	4.95	9.67

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)	PD (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5845MHz	Pass	4.72	9.24	9.11	9.44	9.28	15.25	19.97	20.00
5865MHz	Pass	4.72	9.55	8.77	9.40	9.31	15.22	19.94	20.00
5885MHz	Pass	4.72	2.85	1.99	2.29	2.66	8.39	13.11	20.00
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5835MHz	Pass	4.72	6.81	7.12	6.74	6.87	12.88	17.60	20.00
5875MHz	Pass	4.72	7.79	6.93	7.69	7.87	13.52	18.24	20.00
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5855MHz	Pass	4.72	4.96	4.69	5.06	4.84	10.88	15.60	20.00
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5815MHz	Pass	4.72	-1.08	-0.85	-1.06	-1.13	4.95	9.67	20.00

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

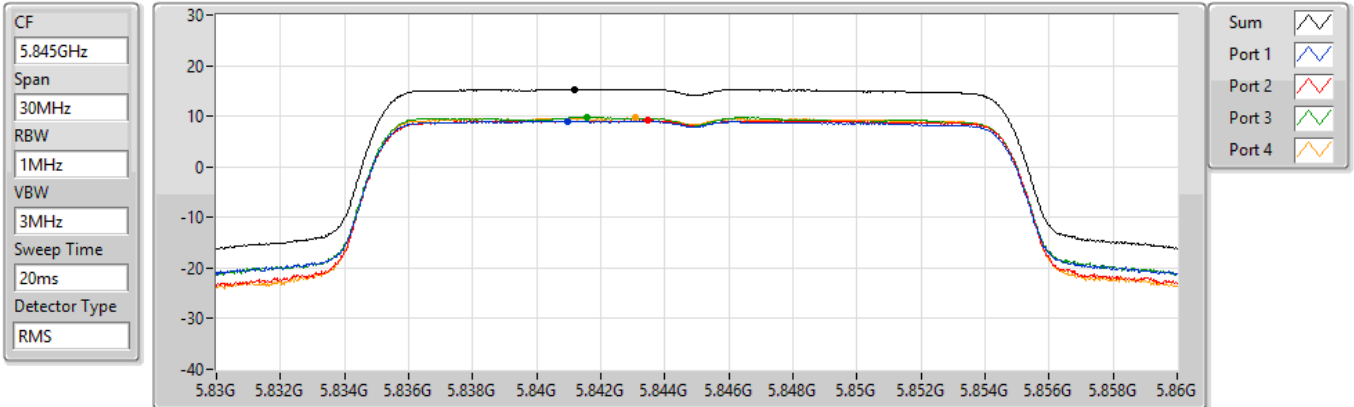
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

5845MHz

17/11/2021



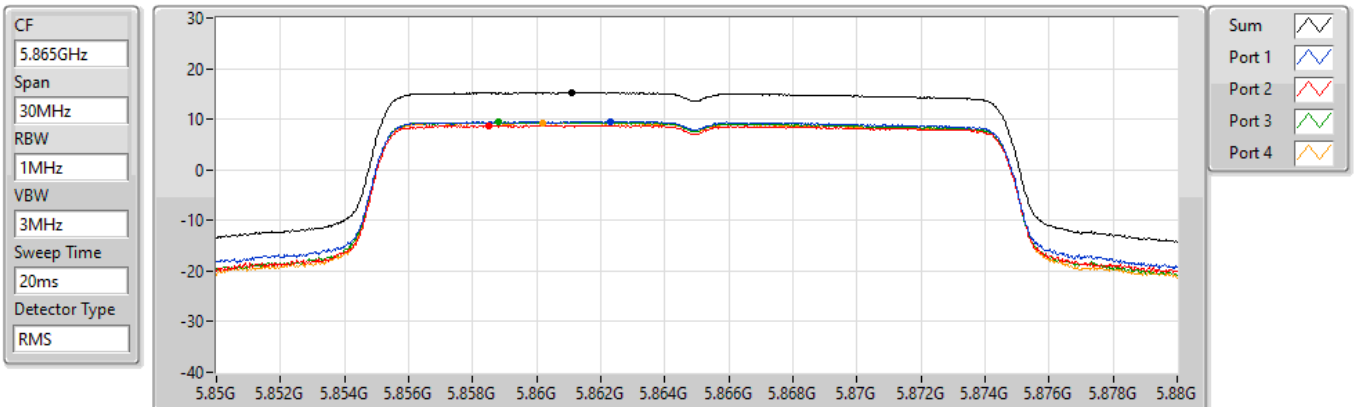
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.25	15.25	9.24	9.11	9.44	9.28

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

5865MHz

19/10/2021



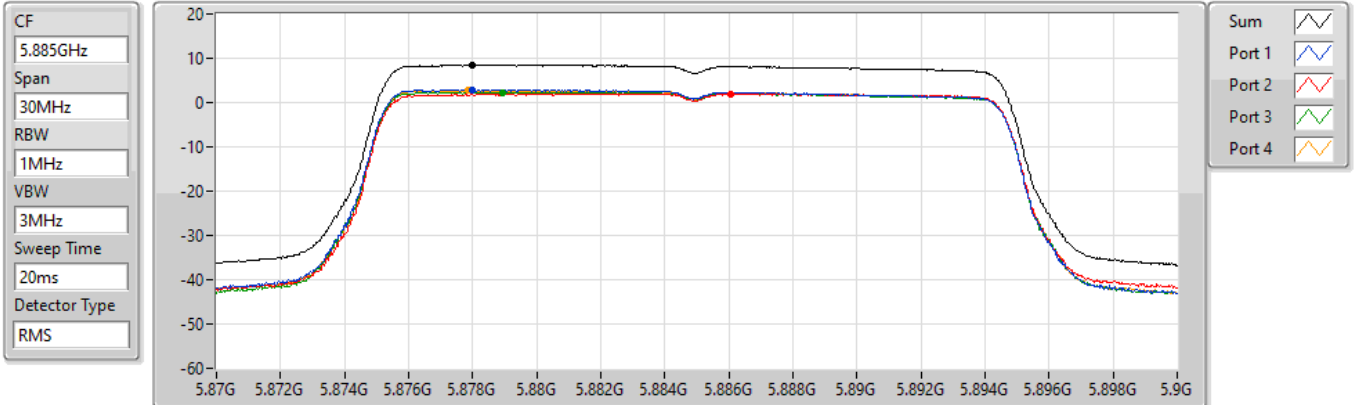
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.22	15.22	9.55	8.77	9.40	9.31

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

PSD

5885MHz

19/10/2021



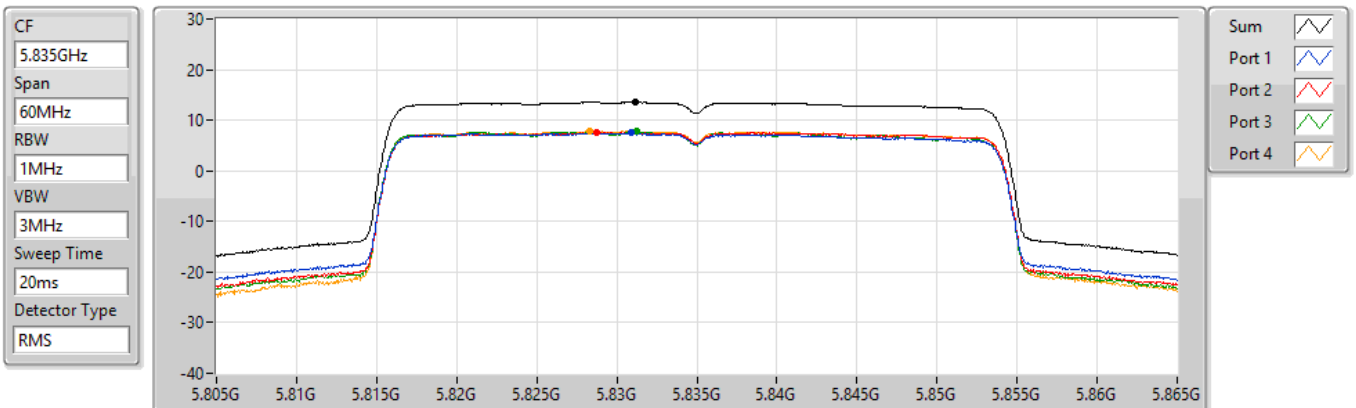
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.39	8.39	2.85	1.99	2.29	2.66

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

PSD

5835MHz

17/11/2021



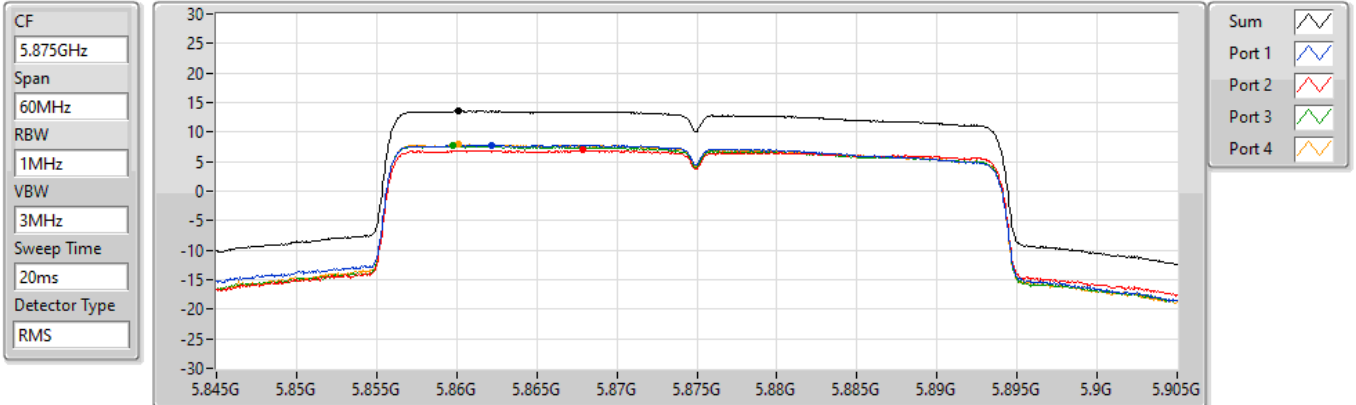
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.88	12.88	6.81	7.12	6.74	6.87

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

PSD

5875MHz

19/10/2021



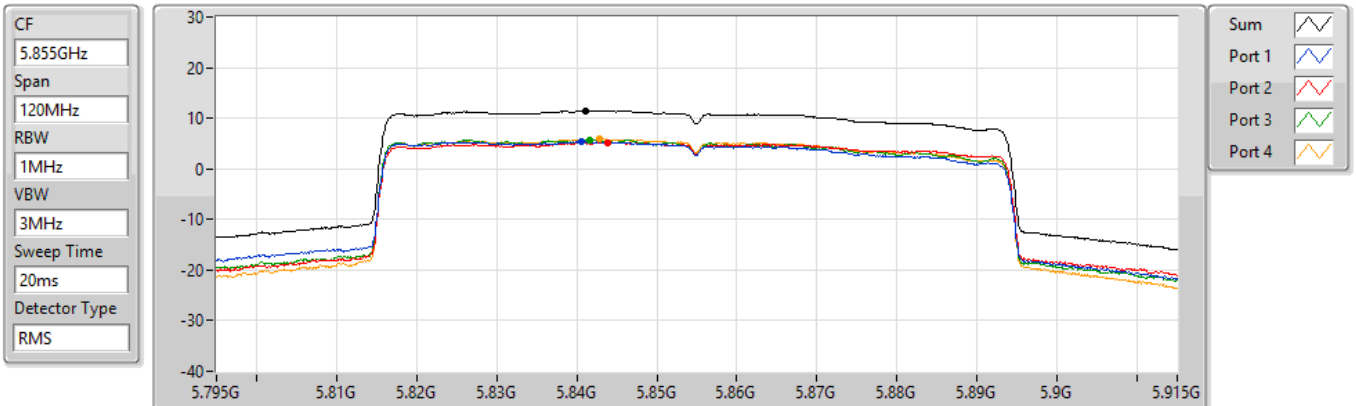
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.52	13.52	7.79	6.93	7.69	7.87

802.11ax HEW80-BF_Nss2,(MCS0)_4TX

PSD

5855MHz

17/11/2021



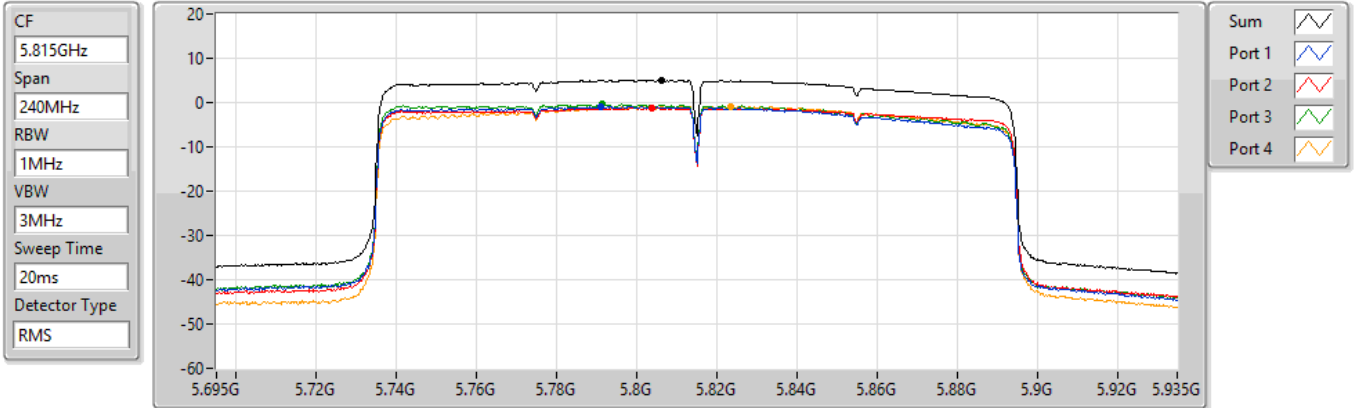
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.88	10.88	4.96	4.69	5.06	4.84

802.11ax HEW160-BF_Nss2,(MCS0)_4TX

5815MHz

PSD

17/11/2021



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.95	4.95	-1.08	-0.85	-1.06	-1.13



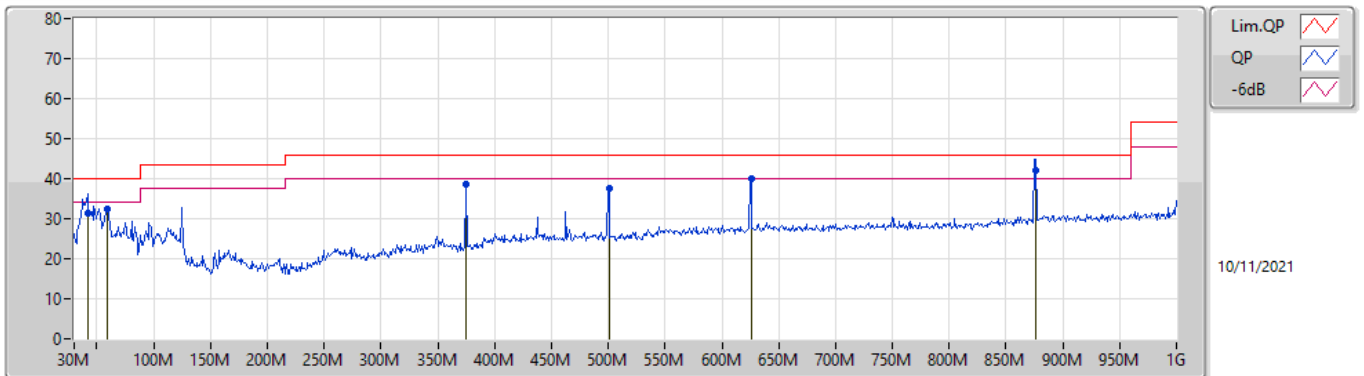
Radiated Emissions below 1GHz

Appendix E.1

Summary

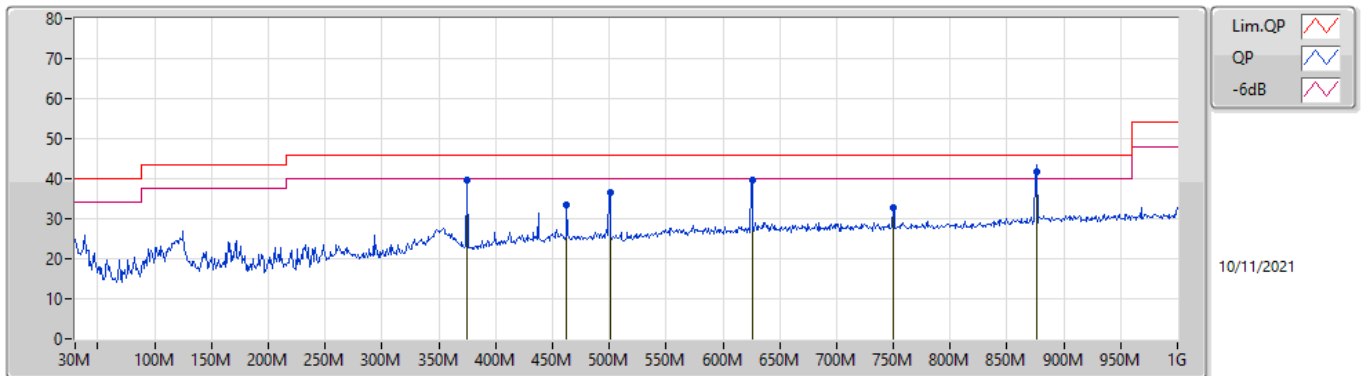
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	875.84M	41.96	46.00	-4.04	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	41.64M	31.42	40.00	-8.58	-12.93	3	Vertical	28	1.00	-	44.35	17.82	0.93	31.68
PK	59.1M	32.56	40.00	-7.44	-18.34	3	Vertical	21	1.50	-	50.90	12.31	1.18	31.83
PK	375.32M	38.47	46.00	-7.53	-8.38	3	Vertical	206	1.00	-	46.85	20.77	3.00	32.15
PK	500.45M	37.64	46.00	-8.36	-5.65	3	Vertical	3	1.00	-	43.29	23.18	3.50	32.33
PK	625.58M	39.89	46.00	-6.11	-4.11	3	Vertical	252	1.00	-	44.00	24.51	3.90	32.52
QP	875.84M	41.96	46.00	-4.04	-1.68	3	Vertical	201	1.00	"Worst"	43.64	26.10	4.86	32.64

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	375.32M	39.51	46.00	-6.49	-8.38	3	Horizontal	250	1.00	-	47.89	20.77	3.00	32.15
PK	462.62M	33.33	46.00	-12.67	-6.08	3	Horizontal	360	2.00	-	39.41	22.86	3.35	32.29
PK	500.45M	36.72	46.00	-9.28	-5.65	3	Horizontal	166	2.00	-	42.37	23.18	3.50	32.33
PK	625.58M	39.78	46.00	-6.22	-4.11	3	Horizontal	137	1.25	-	43.89	24.51	3.90	32.52
PK	749.74M	32.87	46.00	-13.13	-3.23	3	Horizontal	174	1.25	-	36.10	25.18	4.30	32.71
QP	875.84M	41.57	46.00	-4.43	-1.68	3	Horizontal	208	1.00	"Worst"	43.25	26.10	4.86	32.64

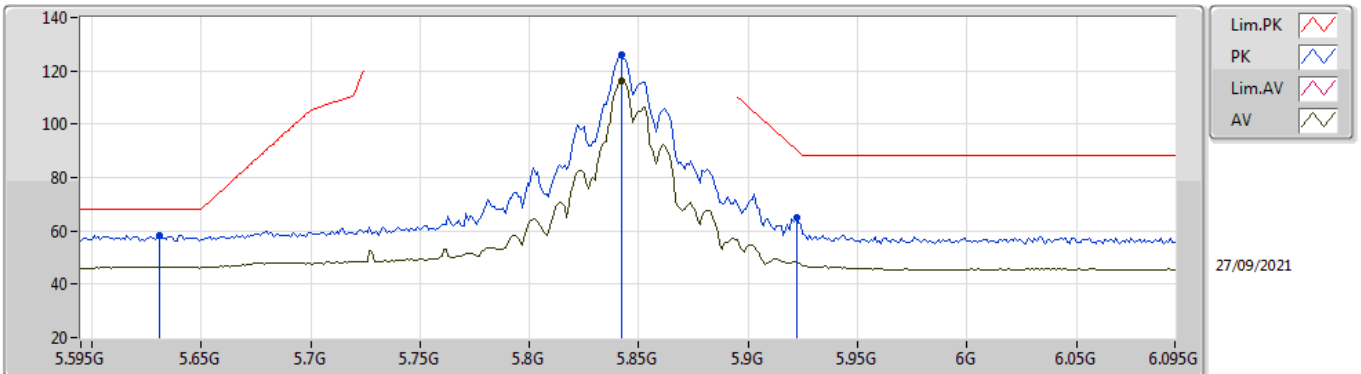


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.85-5.895GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1.(6Mbps)_4TX	Pass	PK	5.903G	103.80	104.33	-0.53	3	Vertical	127	1.80	-

802.11a_Nss1,(6Mbps)_4TX

5845MHz_TnomVnom

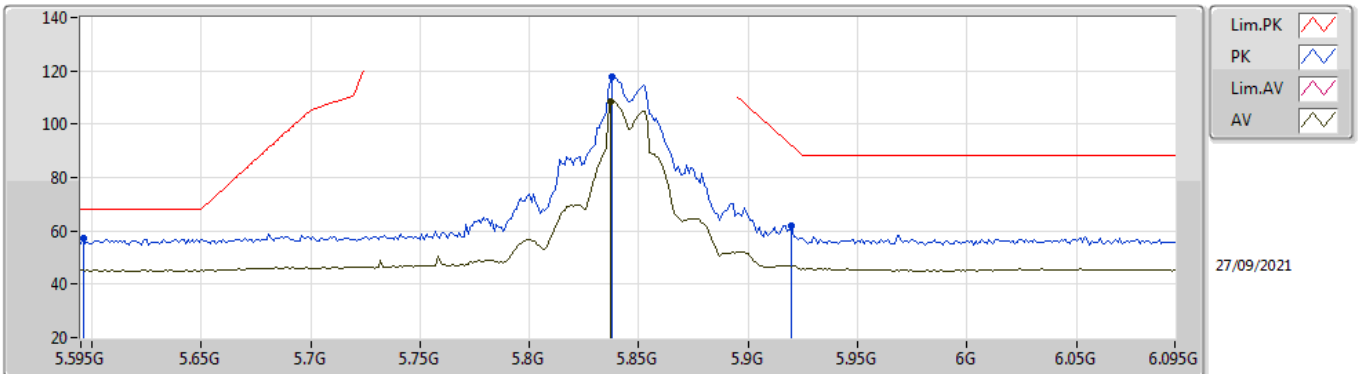


EUT_V_4TX
Setting 108
06-F-S-5-10

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	58.28	68.20	-9.92	53.67	3	Vertical	127	1.80	-	31.60	5.22	32.21	
PK	5.842G	125.79	Inf	-Inf	120.79	3	Vertical	127	1.80	-	32.00	5.34	32.34	
AV	5.842G	116.21	Inf	-Inf	111.21	3	Vertical	127	1.80	-	32.00	5.34	32.34	
PK	5.922G	64.98	90.40	-25.42	59.80	3	Vertical	127	1.80	-	32.14	5.42	32.38	

802.11a_Nss1,(6Mbps)_4TX

5845MHz_TnomVnom

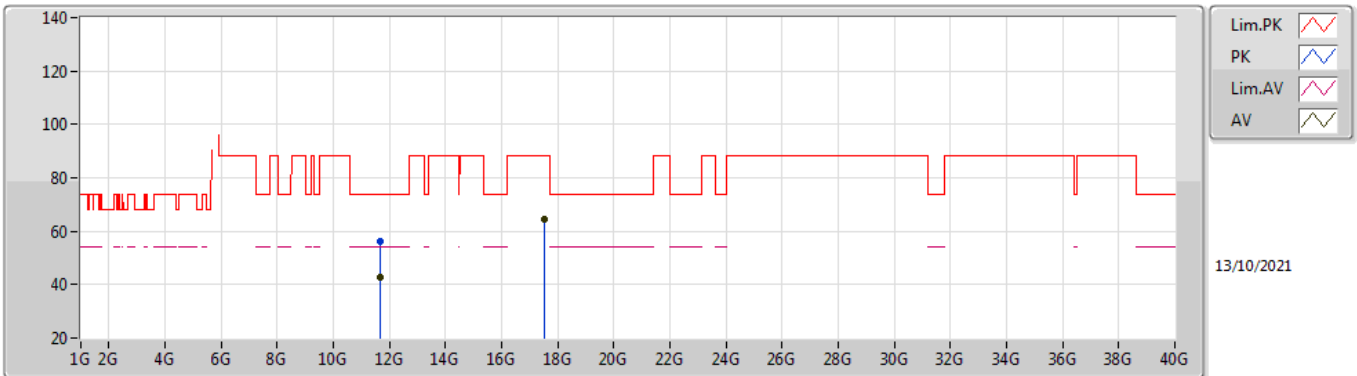


EUT_V_4TX
Setting 108
06-F-S-5-10

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	5.596G	57.19	68.20	-11.01	52.59	3	Horizontal	174	1.72	-	31.59	5.20	32.19
PK	5.838G	117.74	Inf	-Inf	112.73	3	Horizontal	174	1.72	-	32.00	5.34	32.33
AV	5.837G	108.41	Inf	-Inf	103.40	3	Horizontal	174	1.72	-	32.00	5.34	32.33
PK	5.92G	62.01	91.87	-29.86	56.83	3	Horizontal	174	1.72	-	32.14	5.42	32.38

802.11a_Nss1,(6Mbps)_4TX

5845MHz_TnomVnom

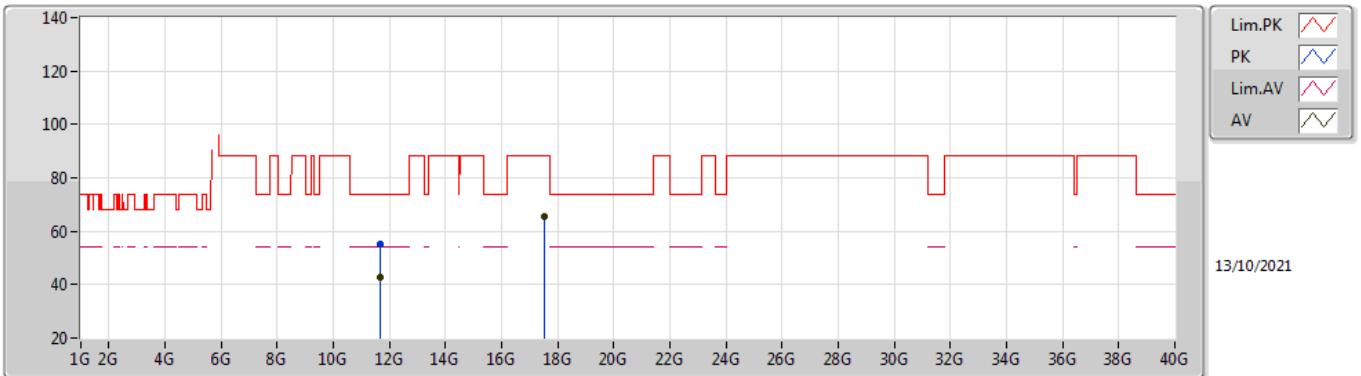


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.68668G	56.16	74.00	-17.84	42.83	3	Vertical	258	1.70	-	39.24	8.37	34.28	
AV	11.69044G	42.68	54.00	-11.32	29.35	3	Vertical	258	1.70	-	39.23	8.38	34.28	
RMS	17.52G	64.23	88.20	-23.97	44.02	3	Vertical	309	1.80	-	43.26	11.66	34.71	

802.11a_Nss1,(6Mbps)_4TX

5845MHz_TnomVnom

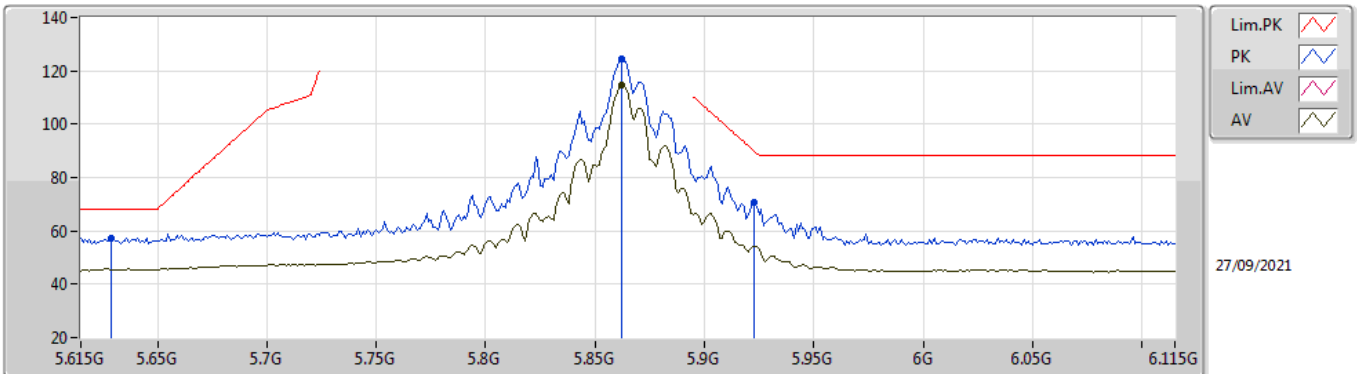


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.68308G	55.25	74.00	-18.75	41.91	3	Horizontal	108	1.74	-	39.25	8.37	34.28
AV	11.68424G	42.64	54.00	-11.36	29.30	3	Horizontal	108	1.74	-	39.25	8.37	34.28
RMS	17.52948G	65.36	88.20	-22.84	45.07	3	Horizontal	97	1.80	-	43.34	11.67	34.72

802.11a_Nss1,(6Mbps)_4TX

5865MHz_TnomVnom

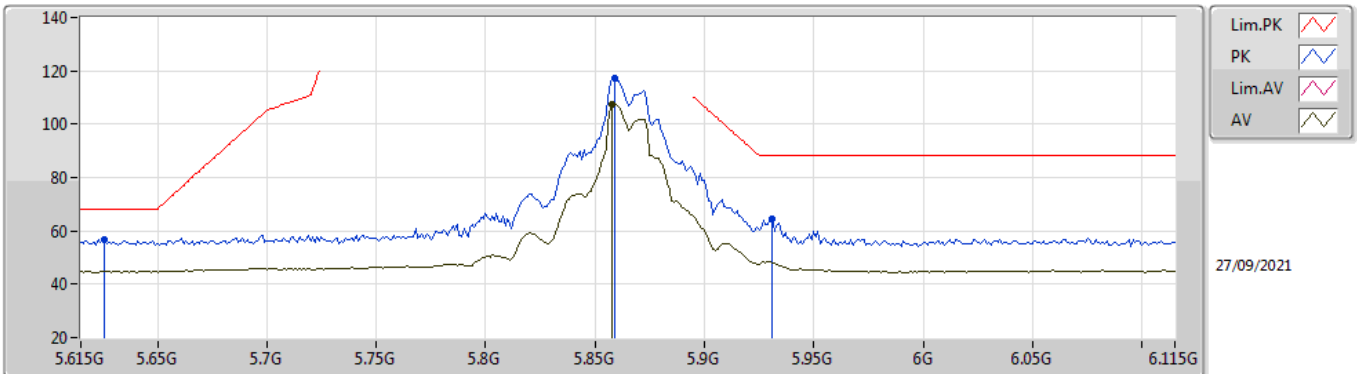


EUT_V_4TX
Setting 108
06-F-S-5-10

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	57.50	68.20	-10.70	52.90	3	Vertical	125	2.56	-	31.60	5.21	32.21	
PK	5.862G	124.41	Inf	-Inf	119.38	3	Vertical	125	2.56	-	32.02	5.36	32.35	
AV	5.862G	114.55	Inf	-Inf	109.52	3	Vertical	125	2.56	-	32.02	5.36	32.35	
PK	5.923G	70.53	89.67	-19.14	65.34	3	Vertical	125	2.56	-	32.15	5.42	32.38	

802.11a_Nss1,(6Mbps)_4TX

5865MHz_TnomVnom

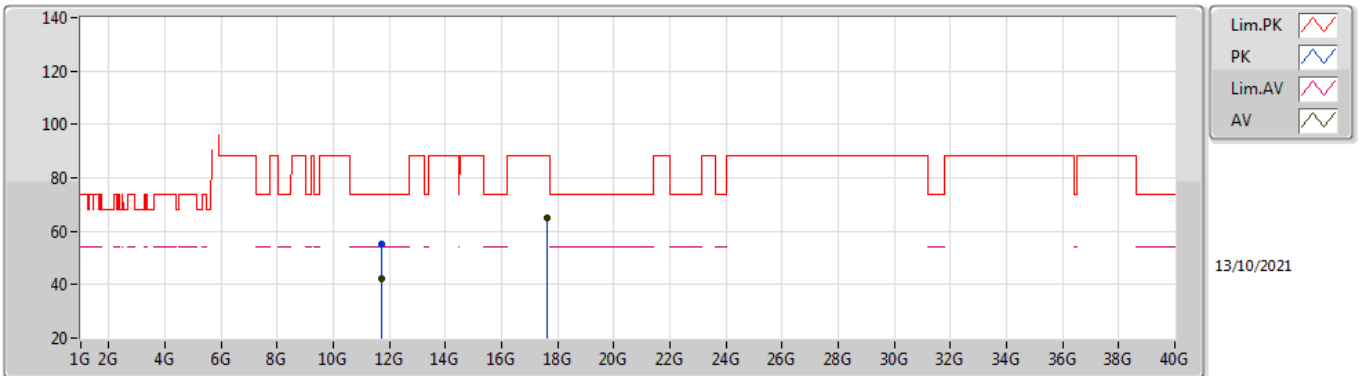


EUT Y_4TX
Setting 108
06-F-S-5-10

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	5.626G	56.83	68.20	-11.37	52.23	3	Horizontal	174	1.80	-	31.60	5.21	32.21	
PK	5.859G	117.02	Inf	-Inf	111.99	3	Horizontal	174	1.80	-	32.02	5.36	32.35	
AV	5.858G	107.24	Inf	-Inf	102.20	3	Horizontal	174	1.80	-	32.02	5.36	32.34	
PK	5.931G	64.44	88.20	-23.76	59.24	3	Horizontal	174	1.80	-	32.16	5.43	32.39	

802.11a_Nss1,(6Mbps)_4TX

5865MHz_TnomVnom

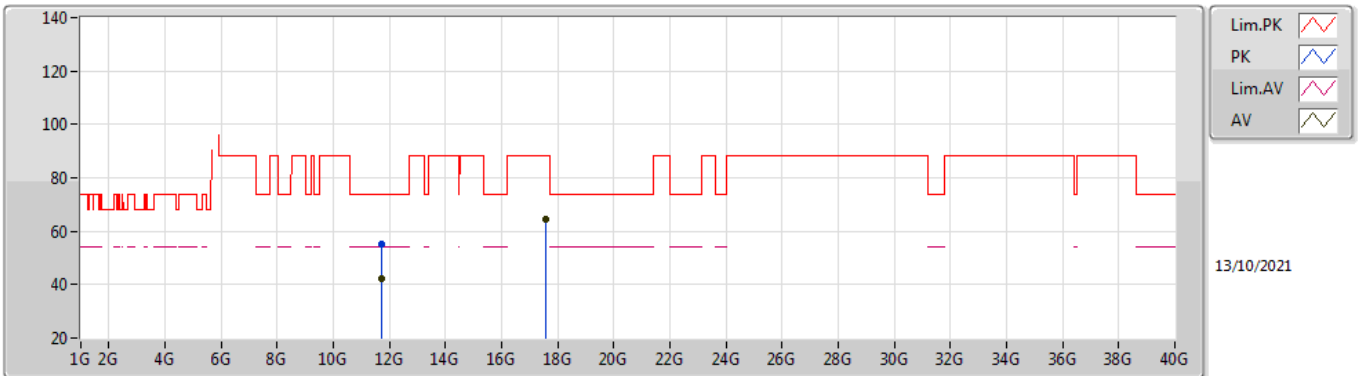


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.73344G	55.33	74.00	-18.67	42.18	3	Vertical	159	2.56	-	39.03	8.39	34.27
AV	11.72904G	42.07	54.00	-11.93	28.90	3	Vertical	159	2.56	-	39.05	8.39	34.27
RMS	17.59892G	65.05	88.20	-23.15	44.17	3	Vertical	184	1.31	-	43.89	11.72	34.73

802.11a_Nss1,(6Mbps)_4TX

5865MHz_TnomVnom

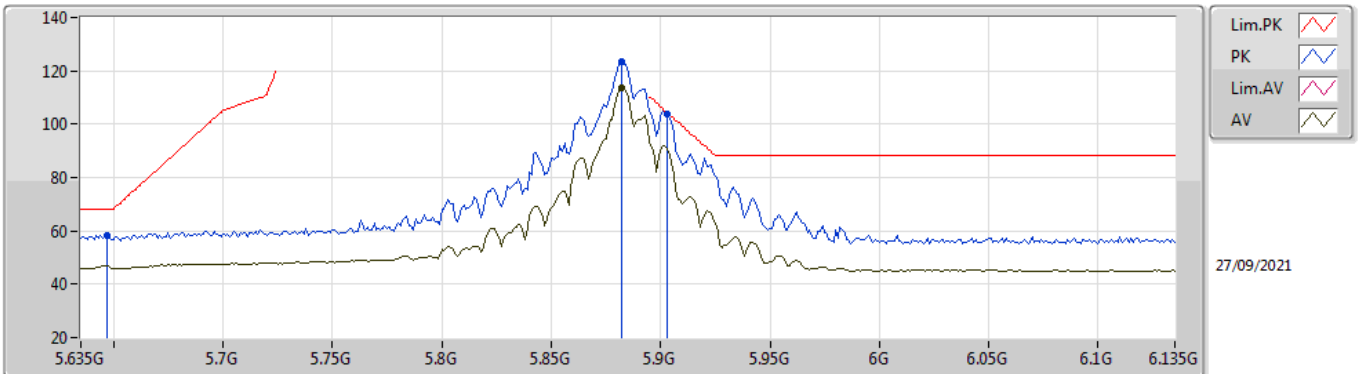


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.73372G	55.08	74.00	-18.92	41.93	3	Horizontal	67	1.50	-	39.03	8.39	34.27
AV	11.7234G	42.12	54.00	-11.88	28.92	3	Horizontal	67	1.50	-	39.08	8.39	34.27
RMS	17.59584G	64.72	88.20	-23.48	43.86	3	Horizontal	340	1.35	-	43.87	11.72	34.73

802.11a_Nss1,(6Mbps)_4TX

5885MHz_TnomVnom

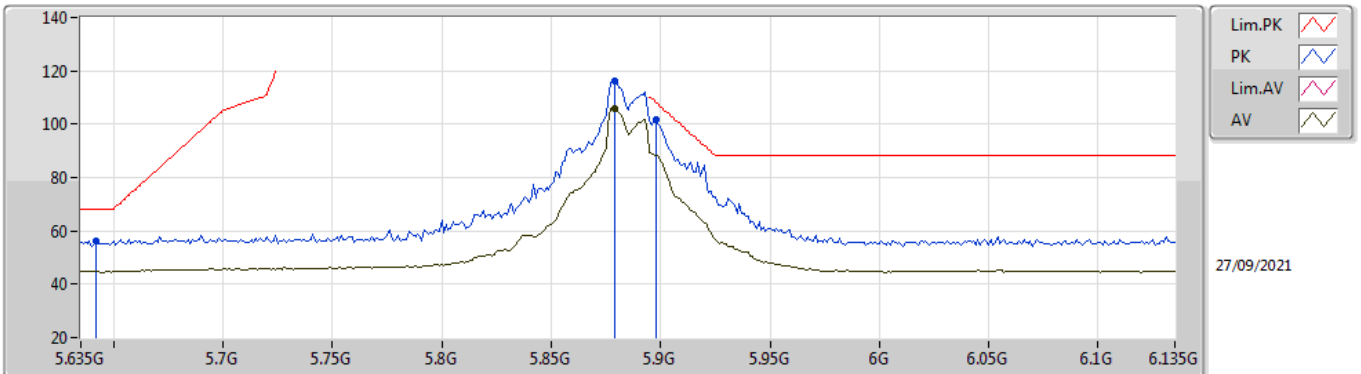


EUT V_4TX
Setting 108
06-F-S-5-10

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	5.647G	58.46	68.20	-9.74	53.86	3	Vertical	127	1.80	-	31.60	5.22	32.22	
PK	5.882G	123.37	Inf	-Inf	118.29	3	Vertical	127	1.80	-	32.06	5.38	32.36	
AV	5.882G	113.47	Inf	-Inf	108.39	3	Vertical	127	1.80	-	32.06	5.38	32.36	
PK	5.903G	103.80	104.33	-0.53	98.66	3	Vertical	127	1.80	-	32.11	5.40	32.37	

802.11a_Nss1,(6Mbps)_4TX

5885MHz_TnomVnom

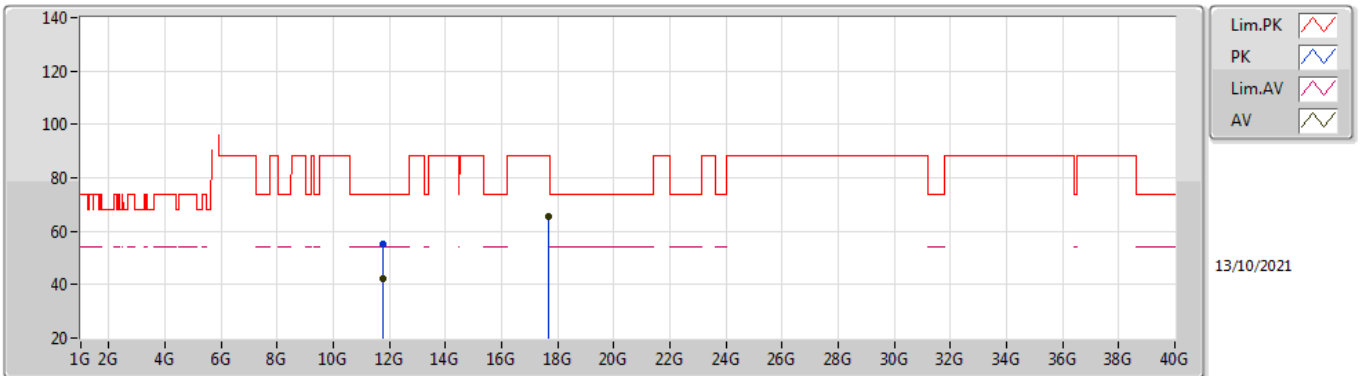


EUT_V_4TX
Setting 108
06-F-S-5-10

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	5.642G	56.13	68.20	-12.07	51.53	3	Horizontal	173	1.80	-	31.60	5.22	32.22	
PK	5.879G	116.11	Inf	-Inf	111.03	3	Horizontal	173	1.80	-	32.06	5.38	32.36	
AV	5.879G	106.06	Inf	-Inf	100.98	3	Horizontal	173	1.80	-	32.06	5.38	32.36	
PK	5.898G	101.75	108.00	-6.25	96.62	3	Horizontal	173	1.80	-	32.10	5.40	32.37	

802.11a_Nss1,(6Mbps)_4TX

5885MHz_TnomVnom

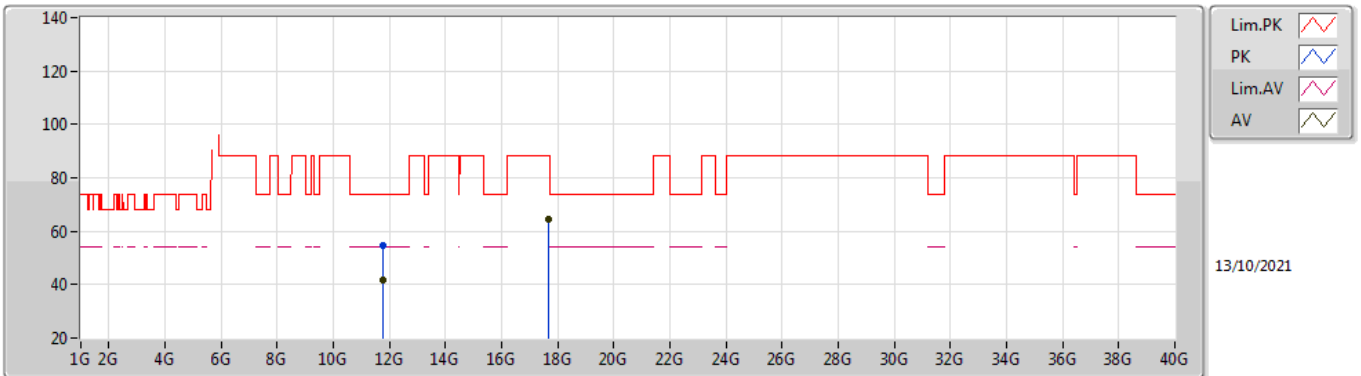


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.77904G	54.92	74.00	-19.08	41.97	3	Vertical	84	2.16	-	38.80	8.41	34.26
AV	11.7774G	42.05	54.00	-11.95	29.09	3	Vertical	84	2.16	-	38.81	8.41	34.26
RMS	17.65412G	65.26	88.20	-22.94	43.96	3	Vertical	264	1.00	-	44.28	11.76	34.74

802.11a_Nss1,(6Mbps)_4TX

5885MHz_TnomVnom



EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.77848G	54.69	74.00	-19.31	41.73	3	Horizontal	190	1.62	-	38.81	8.41	34.26
AV	11.76016G	41.88	54.00	-12.12	28.84	3	Horizontal	190	1.62	-	38.90	8.40	34.26
RMS	17.6614G	64.72	88.20	-23.48	43.37	3	Horizontal	276	1.80	-	44.33	11.76	34.74

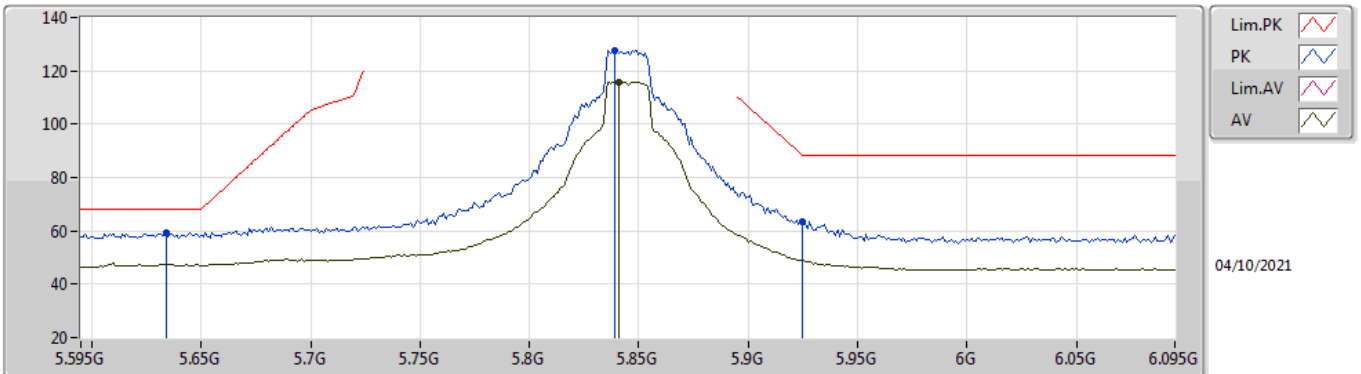


Summary

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 HEW160-BF_Nss1,(MCS0)_4TX	Pass	PK	5.651G	68.92	68.94	-0.02	3	Vertical	304.2	1.91	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5845MHz_TnomVnom

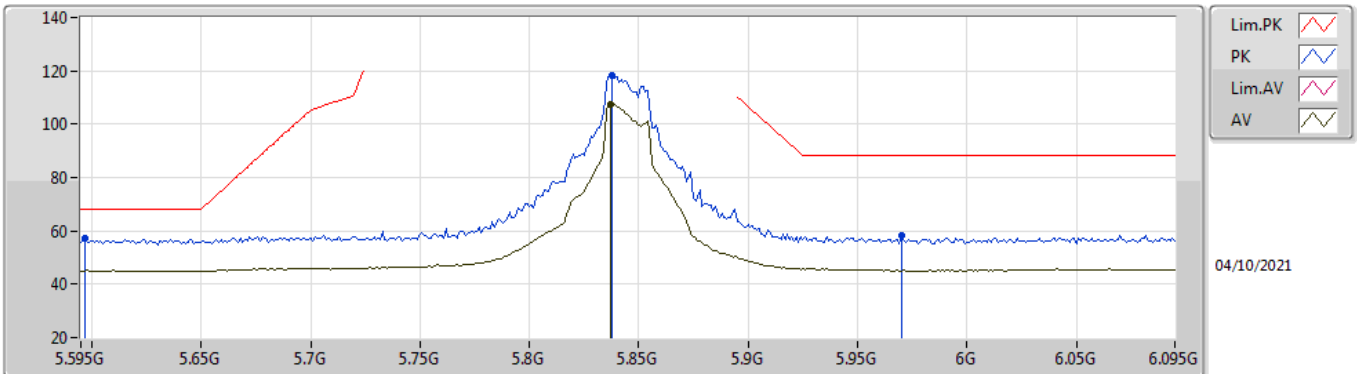


EUT Y_4TX
Setting 108
06-F-S-5-10

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	5.634G	59.46	68.20	-8.74	54.85	3	Vertical	304	1.80	-	31.60	5.22	32.21	
PK	5.839G	127.58	Inf	-Inf	122.57	3	Vertical	304	1.80	-	32.00	5.34	32.33	
AV	5.841G	115.69	Inf	-Inf	110.68	3	Vertical	304	1.80	-	32.00	5.34	32.33	
PK	5.925G	63.68	88.20	-24.52	58.49	3	Vertical	304	1.80	-	32.15	5.42	32.38	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5845MHz_TnomVnom

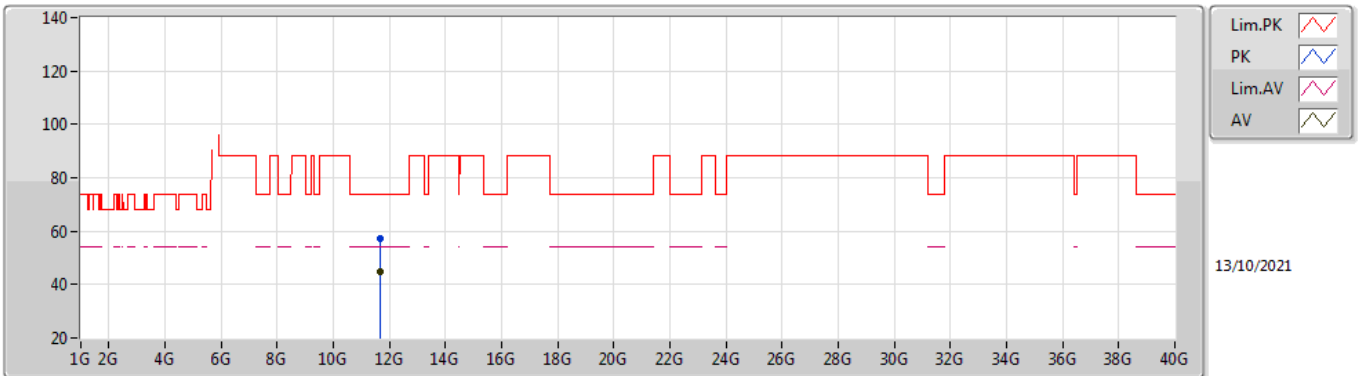


EUT Y_4TX
Setting 108
06-F-S-5-10

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	5.597G	57.16	68.20	-11.04	52.56	3	Horizontal	157	1.83	-	31.59	5.20	32.19
PK	5.838G	118.05	Inf	-Inf	113.04	3	Horizontal	157	1.83	-	32.00	5.34	32.33
AV	5.837G	107.57	Inf	-Inf	102.56	3	Horizontal	157	1.83	-	32.00	5.34	32.33
PK	5.97G	58.09	88.20	-30.11	52.83	3	Horizontal	157	1.83	-	32.20	5.47	32.41

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5845MHz_TnomVnom

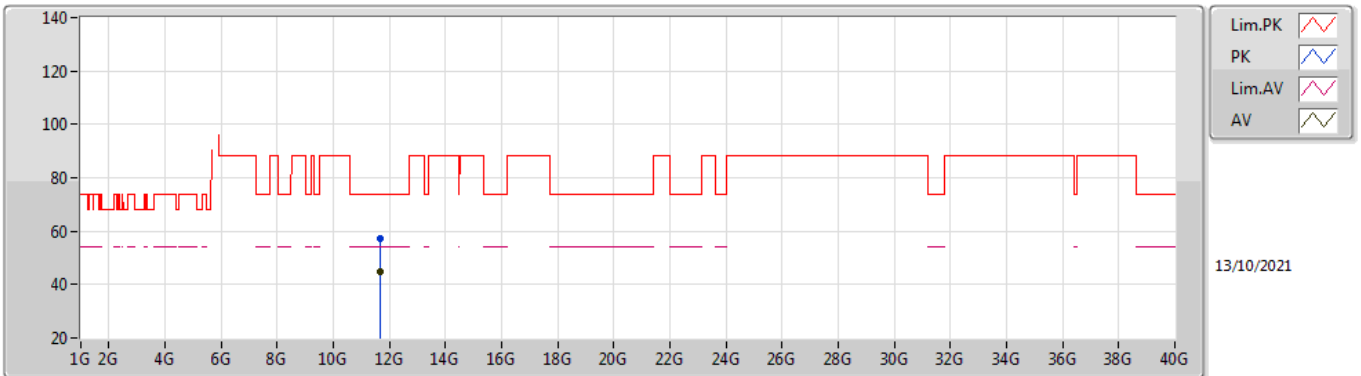


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.68908G	57.42	74.00	-16.58	42.86	3	Vertical	360	2.01	-	39.23	9.61	34.28
AV	11.6948G	44.91	54.00	-9.09	30.34	3	Vertical	360	2.01	-	39.22	9.62	34.27

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5845MHz_TnomVnom

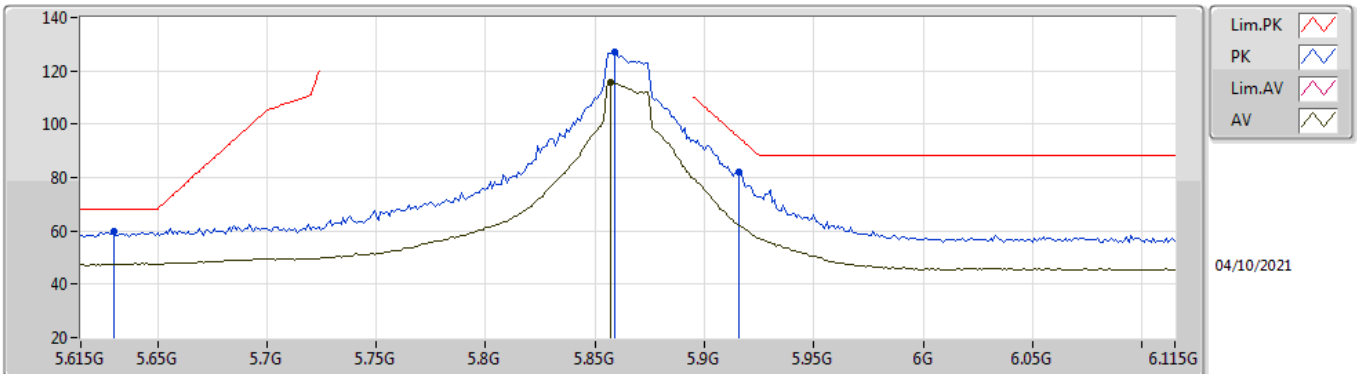


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.68376G	57.38	74.00	-16.62	42.80	3	Horizontal	355	2.95	-	39.25	9.61	34.28
AV	11.6884G	44.58	54.00	-9.42	30.02	3	Horizontal	355	2.95	-	39.23	9.61	34.28

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5865MHz_TnomVnom

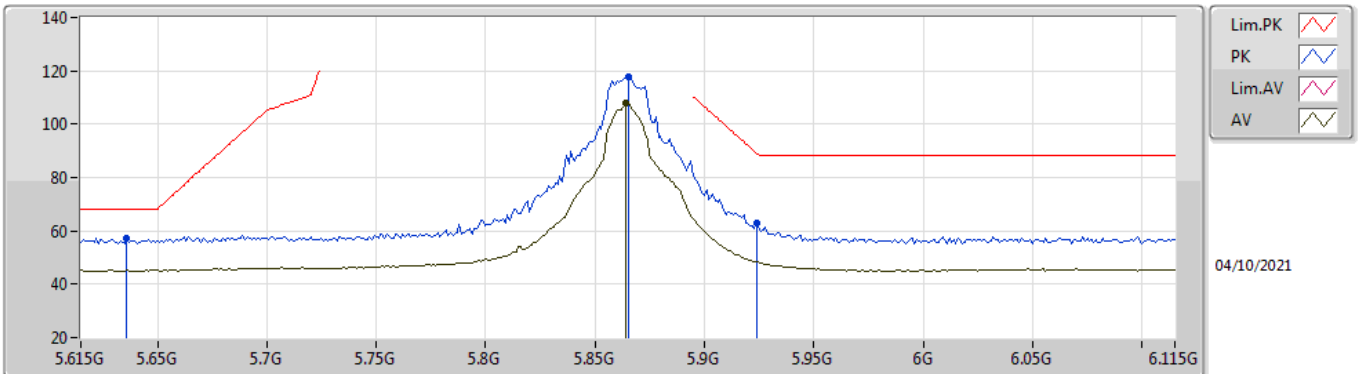


EUT Y_4TX
Setting 108
06-F-S-5-10

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	5.63G	59.80	68.20	-8.40	55.20	3	Vertical	305	1.79	-	31.60	5.21	32.21	
PK	5.859G	127.23	Inf	-Inf	122.20	3	Vertical	305	1.79	-	32.02	5.36	32.35	
AV	5.857G	115.77	Inf	-Inf	110.74	3	Vertical	305	1.79	-	32.01	5.36	32.34	
PK	5.916G	82.07	94.80	-12.73	76.90	3	Vertical	305	1.79	-	32.13	5.42	32.38	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5865MHz_TnomVnom

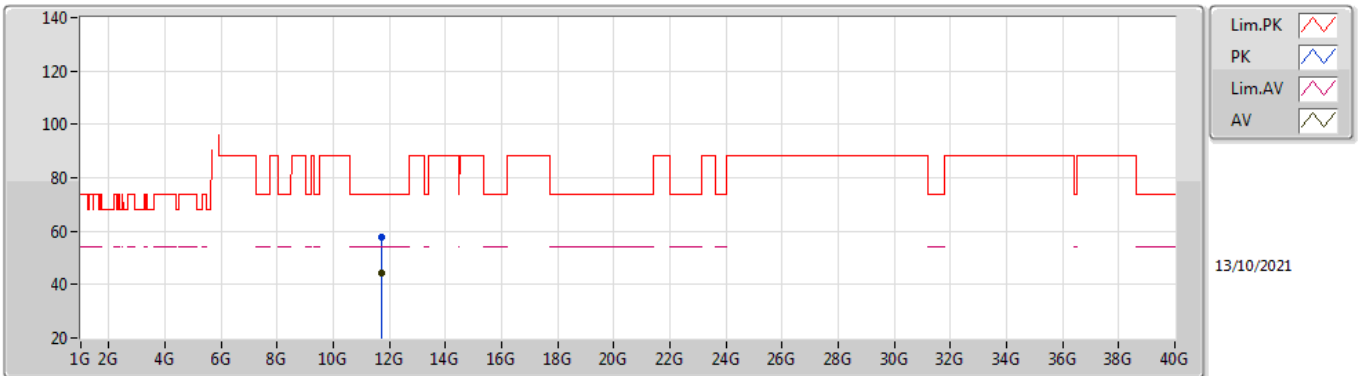


EUT Y_4TX
Setting 108
06-F-S-5-10

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	57.23	68.20	-10.97	52.62	3	Horizontal	165	1.80	-	31.60	5.22	32.21	
PK	5.865G	117.78	Inf	-Inf	112.74	3	Horizontal	165	1.80	-	32.03	5.36	32.35	
AV	5.864G	107.76	Inf	-Inf	102.72	3	Horizontal	165	1.80	-	32.03	5.36	32.35	
PK	5.924G	62.86	88.93	-26.07	57.67	3	Horizontal	165	1.80	-	32.15	5.42	32.38	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5865MHz_TnomVnom

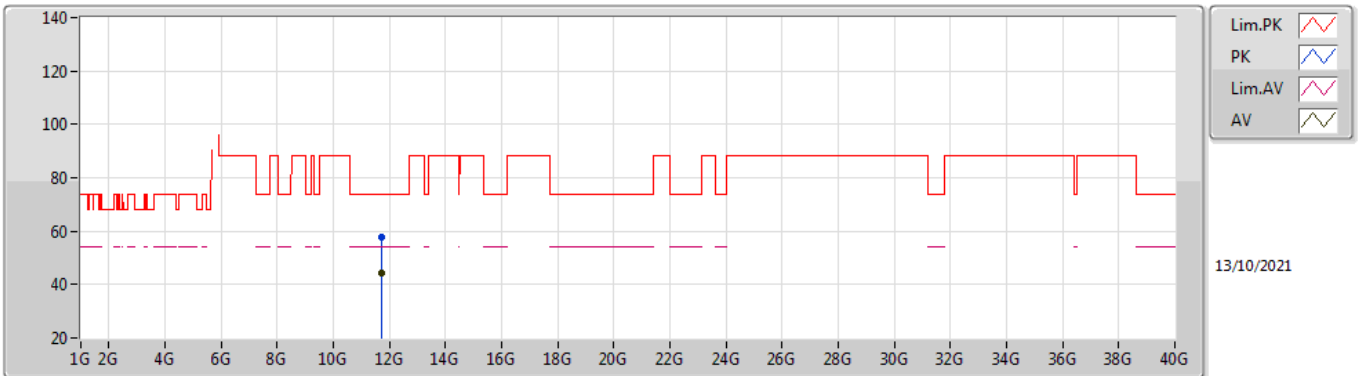


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.73098G	57.88	74.00	-16.12	43.46	3	Vertical	213	1.18	-	39.05	9.64	34.27	
AV	11.72986G	44.55	54.00	-9.45	30.13	3	Vertical	213	1.18	-	39.05	9.64	34.27	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5865MHz_TnomVnom

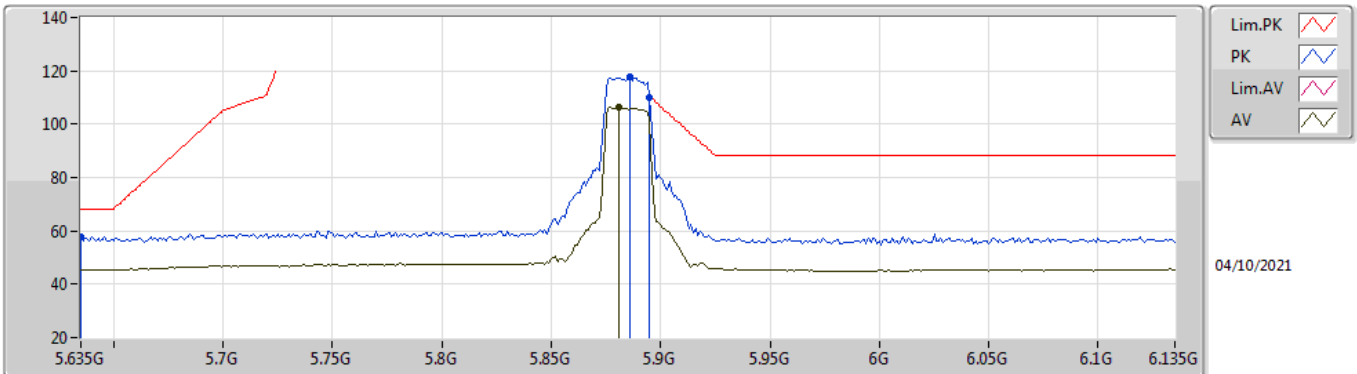


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.726G	57.55	74.00	-16.45	43.11	3	Horizontal	309	2.59	-	39.07	9.64	34.27
AV	11.72966G	44.26	54.00	-9.74	29.84	3	Horizontal	309	2.59	-	39.05	9.64	34.27

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5885MHz_TnomVnom

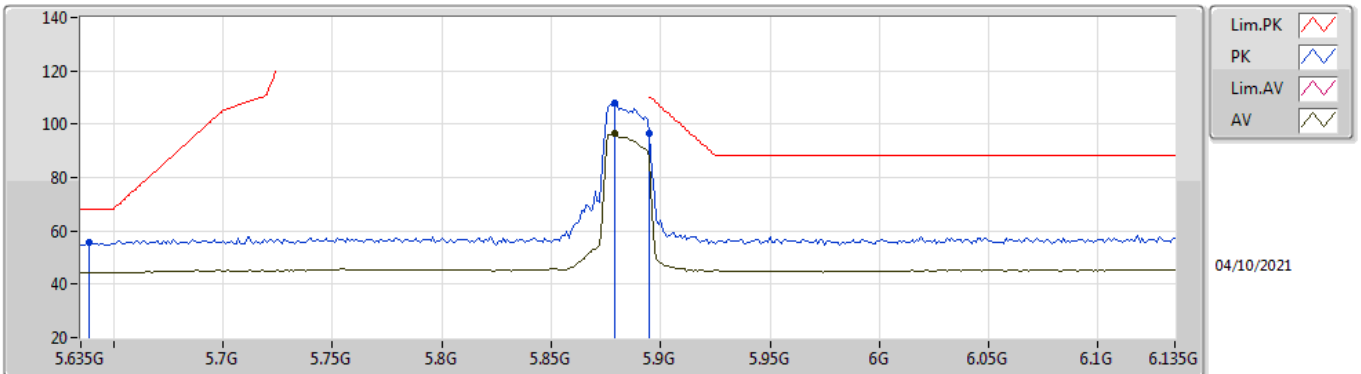


EUT Y_4TX
Setting 68
06-F-S-5-10

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	5.635G	57.66	68.20	-10.54	53.05	3	Vertical	307	1.76	-	31.60	5.22	32.21	
PK	5.886G	117.68	Inf	-Inf	112.58	3	Vertical	307	1.76	-	32.07	5.39	32.36	
AV	5.881G	106.27	Inf	-Inf	101.19	3	Vertical	307	1.76	-	32.06	5.38	32.36	
PK	5.895G	109.86	110.20	-0.34	104.74	3	Vertical	307	1.76	-	32.09	5.40	32.37	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5885MHz_TnomVnom

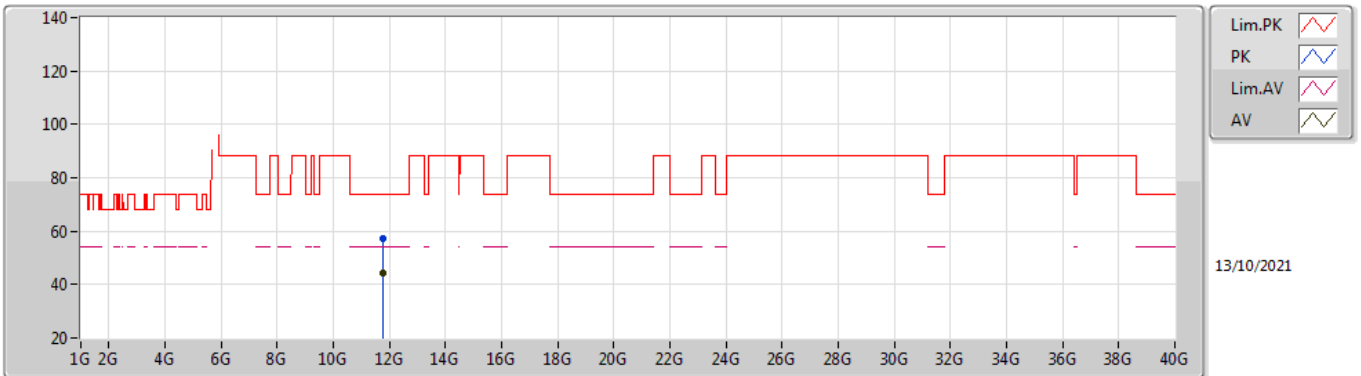


EUT Y_4TX
Setting 68
06-F-S-5-10

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	55.54	68.20	-12.66	50.93	3	Horizontal	164	1.72	-	31.60	5.22	32.21	
PK	5.879G	108.00	Inf	-Inf	102.92	3	Horizontal	164	1.72	-	32.06	5.38	32.36	
AV	5.879G	96.33	Inf	-Inf	91.25	3	Horizontal	164	1.72	-	32.06	5.38	32.36	
PK	5.895G	96.41	110.20	-13.79	91.29	3	Horizontal	164	1.72	-	32.09	5.40	32.37	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5885MHz_TnomVnom

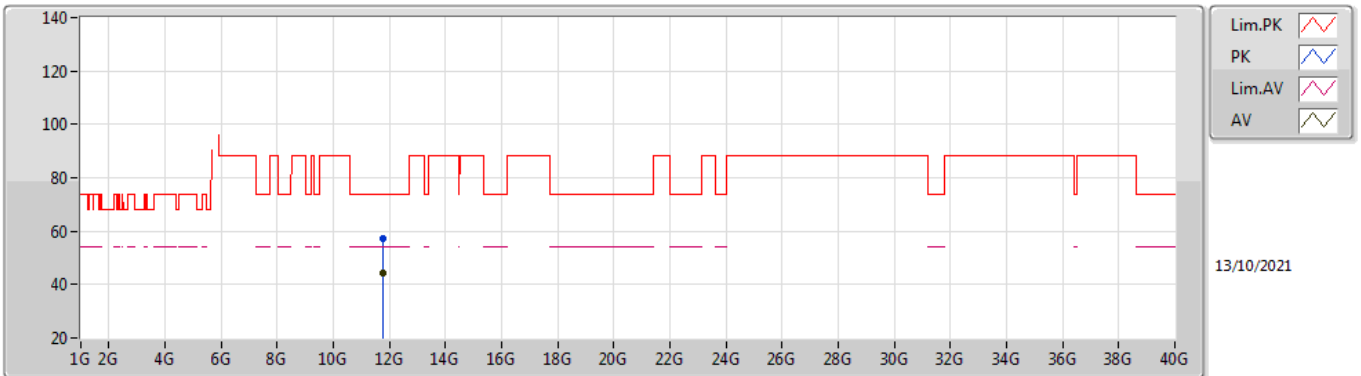


EUT Y_4TX
Setting 68
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.7744G	57.48	74.00	-16.52	43.25	3	Vertical	104	2.01	-	38.83	9.66	34.26
AV	11.76978G	44.18	54.00	-9.82	29.93	3	Vertical	104	2.01	-	38.85	9.66	34.26

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5885MHz_TnomVnom

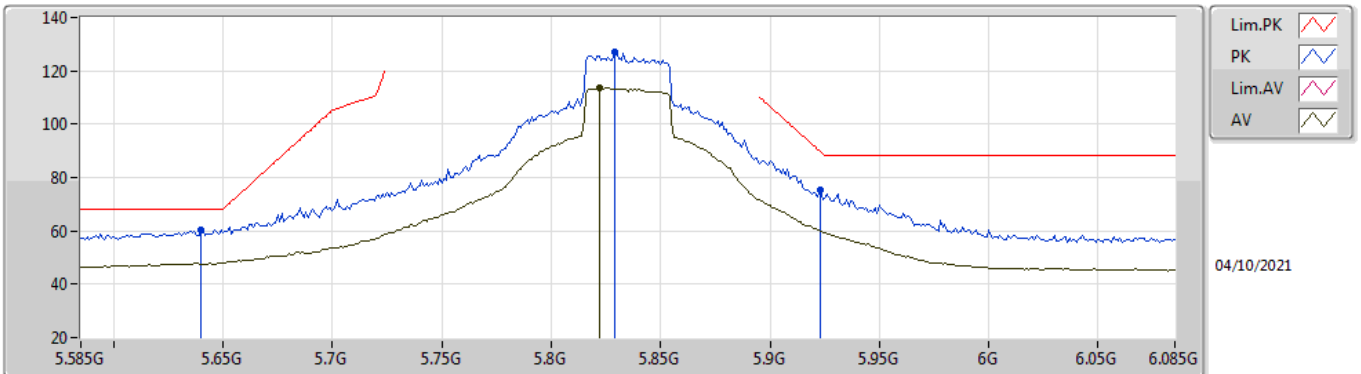


EUT Y_4TX
Setting 68
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.77284G	57.03	74.00	-16.97	42.79	3	Horizontal	42	2.45	-	38.84	9.66	34.26
AV	11.77464G	44.08	54.00	-9.92	29.85	3	Horizontal	42	2.45	-	38.83	9.66	34.26

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5835MHz_TnomVnom

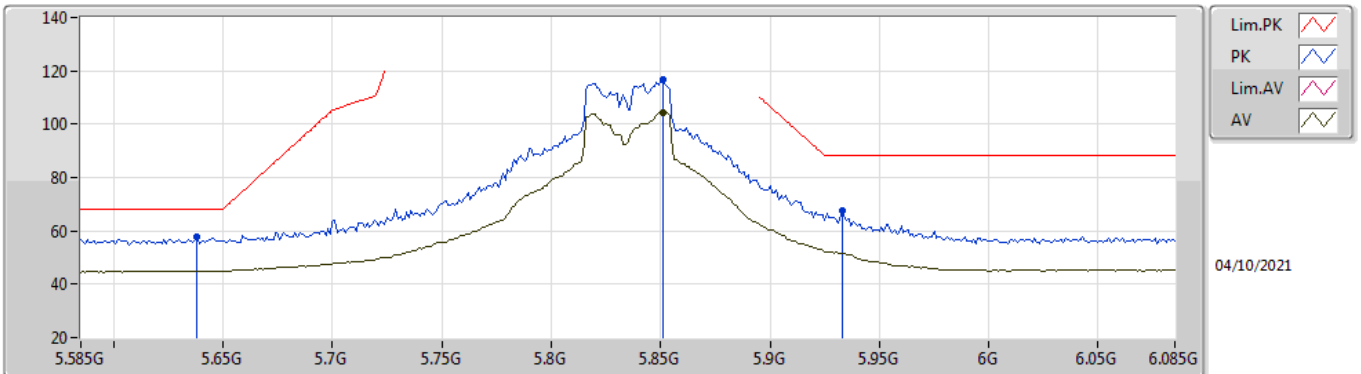


EUT Y_4TX
Setting 108
06-F-S-5-10

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	60.55	68.20	-7.65	55.94	3	Vertical	307	1.80	-	31.60	5.22	32.21	
PK	5.829G	127.30	Inf	-Inf	122.30	3	Vertical	307	1.80	-	32.00	5.33	32.33	
AV	5.822G	113.73	Inf	-Inf	108.73	3	Vertical	307	1.80	-	32.00	5.32	32.32	
PK	5.923G	75.39	89.67	-14.28	70.20	3	Vertical	307	1.80	-	32.15	5.42	32.38	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5835MHz_TnomVnom

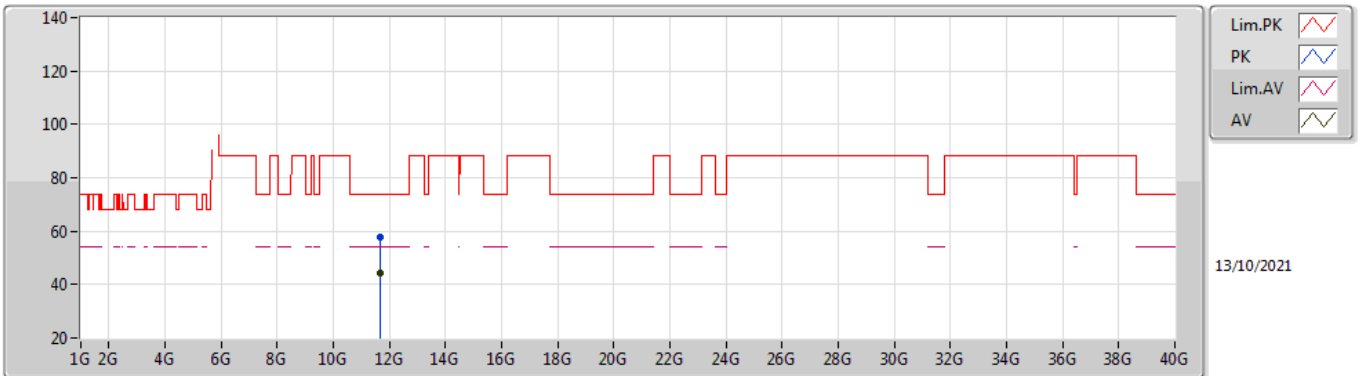


EUT Y_4TX
Setting 108
06-F-S-5-10

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	57.78	68.20	-10.42	53.17	3	Horizontal	348	2.70	-	31.60	5.22	32.21
PK	5.851G	116.64	Inf	-Inf	111.63	3	Horizontal	348	2.70	-	32.00	5.35	32.34
AV	5.851G	104.43	Inf	-Inf	99.42	3	Horizontal	348	2.70	-	32.00	5.35	32.34
PK	5.933G	67.54	88.20	-20.66	62.33	3	Horizontal	348	2.70	-	32.17	5.43	32.39

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5835MHz_TnomVnom

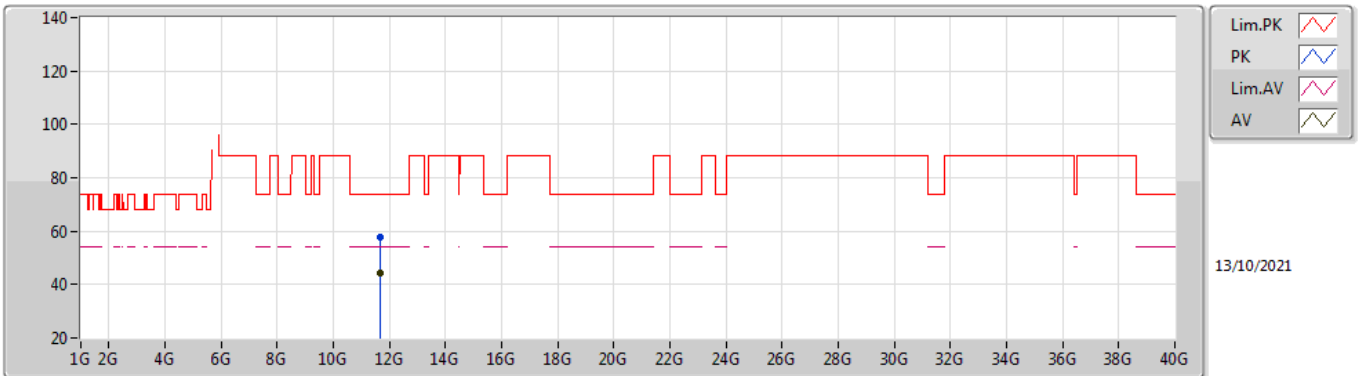


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.67186G	57.67	74.00	-16.33	43.07	3	Vertical	137	2.04	-	39.28	9.60	34.28
AV	11.66648G	44.39	54.00	-9.61	29.77	3	Vertical	137	2.04	-	39.30	9.60	34.28

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5835MHz_TnomVnom

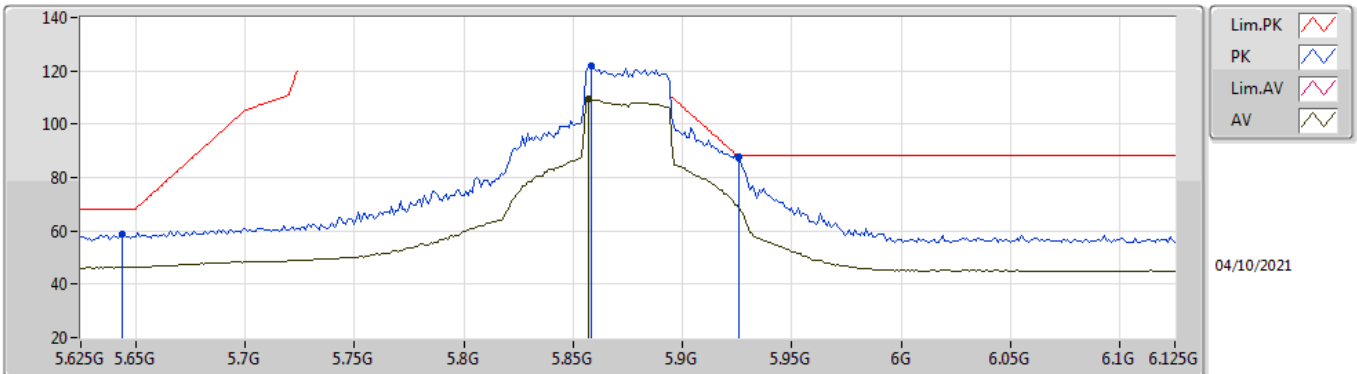


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.67484G	57.68	74.00	-16.32	43.08	3	Horizontal	311	1.67	-	39.28	9.60	34.28
AV	11.66948G	44.41	54.00	-9.59	29.80	3	Horizontal	311	1.67	-	39.29	9.60	34.28

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5875MHz_TnomVnom

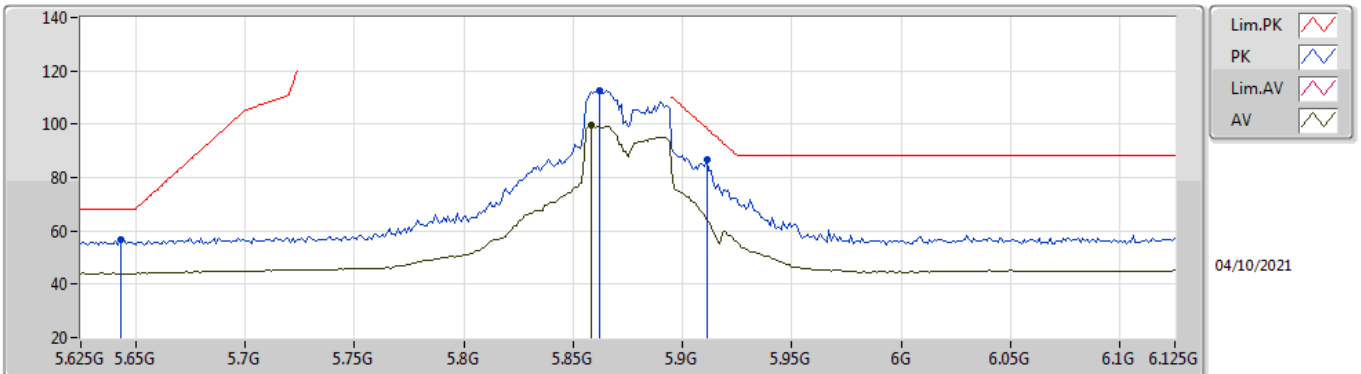


EUT Y_4TX
Setting 94
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.644G	59.01	68.20	-9.19	54.41	3	Vertical	303	1.79	-	31.60	5.22	32.22	
PK	5.858G	122.09	Inf	-Inf	117.05	3	Vertical	303	1.79	-	32.02	5.36	32.34	
AV	5.857G	109.47	Inf	-Inf	104.44	3	Vertical	303	1.79	-	32.01	5.36	32.34	
PK	5.926G	87.91	88.20	-0.29	82.72	3	Vertical	303	1.79	-	32.15	5.43	32.39	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5875MHz_TnomVnom

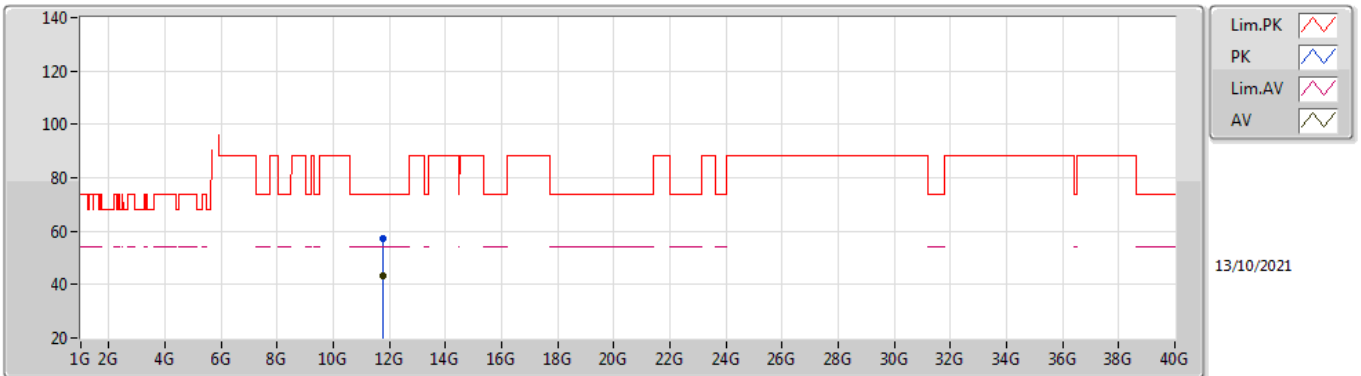


EUT Y_4TX
Setting 94
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.643G	56.59	68.20	-11.61	51.99	3	Horizontal	345	1.80	-	31.60	5.22	32.22
PK	5.862G	112.45	Inf	-Inf	107.42	3	Horizontal	345	1.80	-	32.02	5.36	32.35
AV	5.858G	99.76	Inf	-Inf	94.72	3	Horizontal	345	1.80	-	32.02	5.36	32.34
PK	5.911G	86.51	98.47	-11.96	81.36	3	Horizontal	345	1.80	-	32.12	5.41	32.38

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5875MHz_TnomVnom

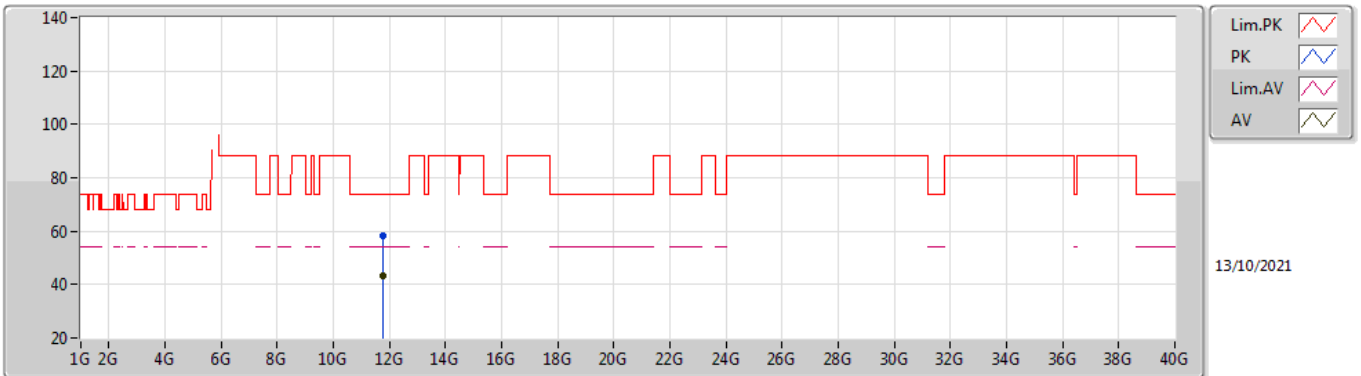


EUT Y_4TX
Setting 94
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.7497G	57.30	74.00	-16.70	42.97	3	Vertical	180	1.36	-	38.95	9.65	34.27
AV	11.75192G	43.48	54.00	-10.52	29.15	3	Vertical	180	1.36	-	38.94	9.65	34.26

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5875MHz_TnomVnom

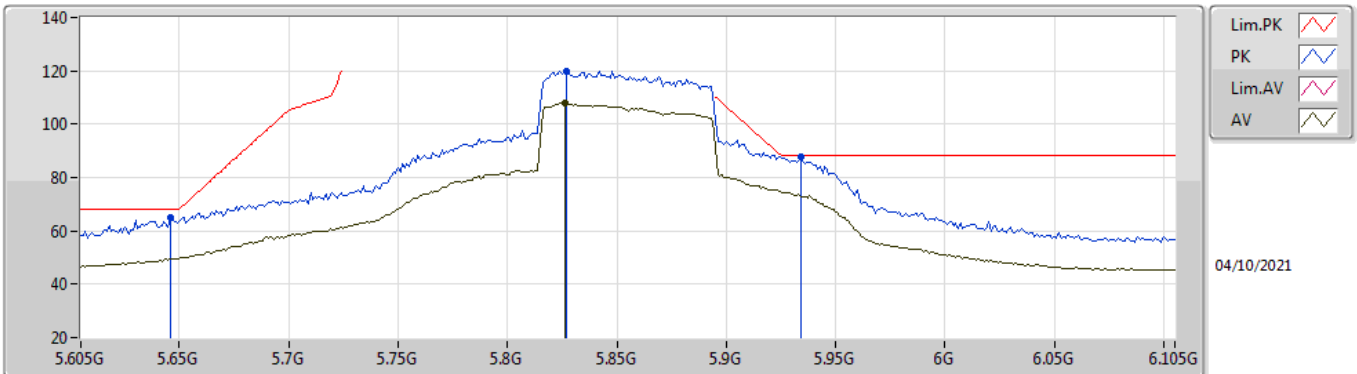


EUT Y_4TX
Setting 94
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.74702G	58.23	74.00	-15.77	43.89	3	Horizontal	36	2.40	-	38.96	9.65	34.27
AV	11.74732G	43.27	54.00	-10.73	28.93	3	Horizontal	36	2.40	-	38.96	9.65	34.27

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5855MHz_TnomVnom

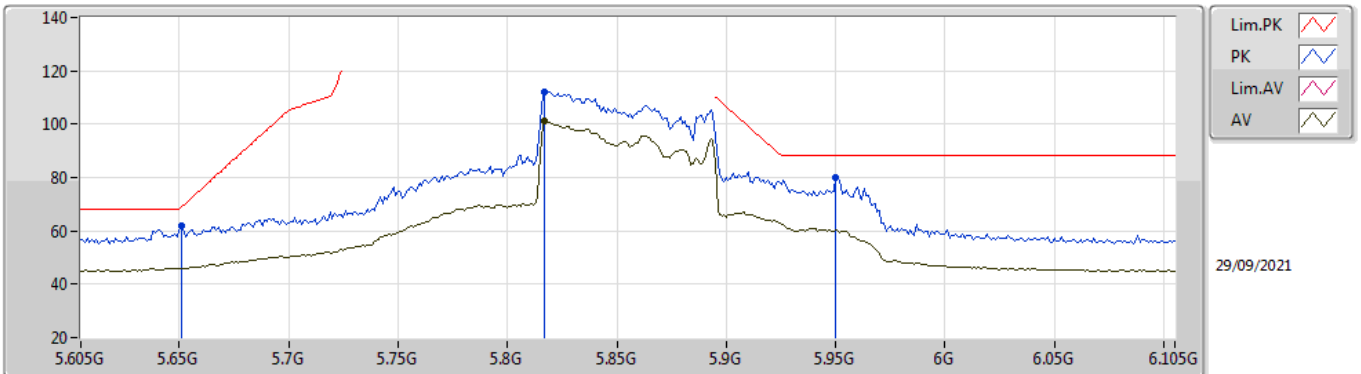


EUT Y_4TX
Setting 95
06-F-S-5-10

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	5.646G	65.09	68.20	-3.11	60.49	3	Vertical	310.5	1.80	-	31.60	5.22	32.22
PK	5.827G	120.05	Inf	-Inf	115.05	3	Vertical	310.5	1.80	-	32.00	5.33	32.33
AV	5.826G	107.91	Inf	-Inf	102.91	3	Vertical	310.5	1.80	-	32.00	5.33	32.33
PK	5.934G	87.90	88.20	-0.30	82.69	3	Vertical	310.5	1.80	-	32.17	5.43	32.39

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5855MHz_TnomVnom

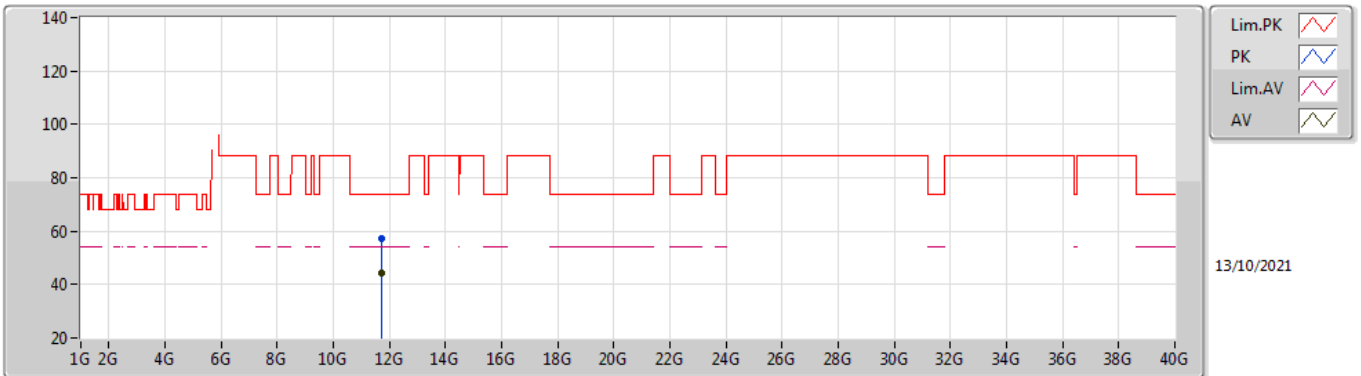


EUT Y_4TX
Setting 95
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.651G	61.66	68.94	-7.28	57.05	3	Horizontal	165	1.76	-	31.60	5.23	32.22	
PK	5.817G	112.31	Inf	-Inf	107.31	3	Horizontal	165	1.76	-	32.00	5.32	32.32	
AV	5.817G	101.40	Inf	-Inf	96.40	3	Horizontal	165	1.76	-	32.00	5.32	32.32	
PK	5.95G	79.89	88.20	-8.31	74.64	3	Horizontal	165	1.76	-	32.20	5.45	32.40	

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5855MHz_TnomVnom

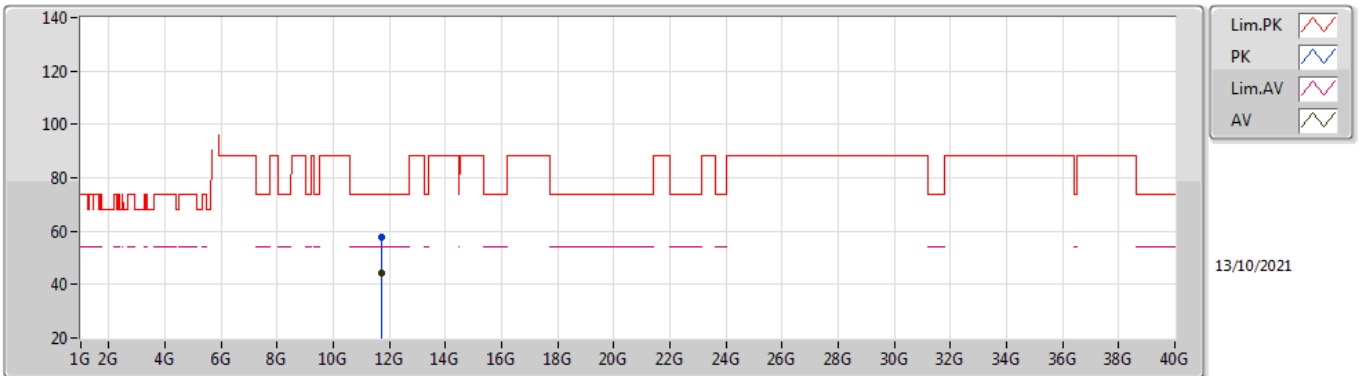


EUT Y_4TX
Setting 95
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.70756G	57.42	74.00	-16.58	42.91	3	Vertical	103	2.48	-	39.16	9.62	34.27
AV	11.70622G	44.17	54.00	-9.83	29.65	3	Vertical	103	2.48	-	39.17	9.62	34.27

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5855MHz_TnomVnom

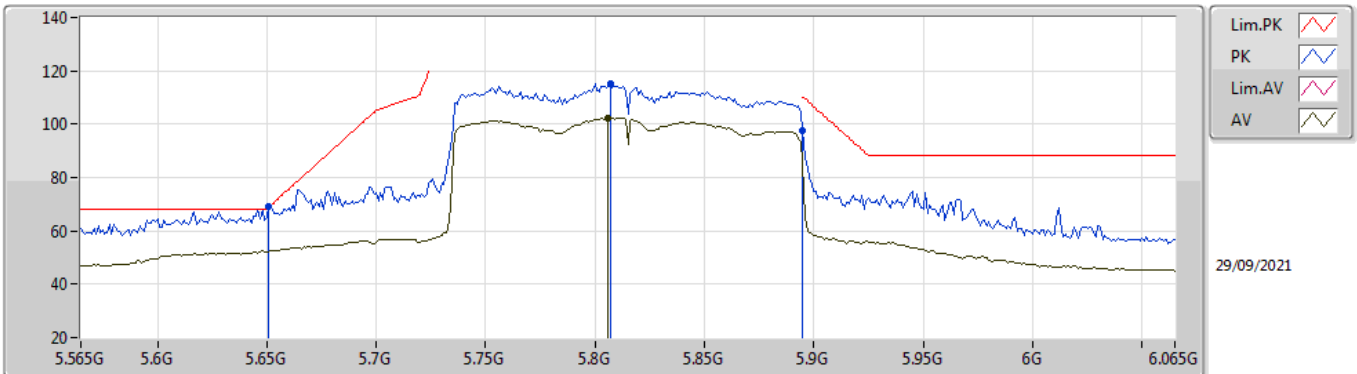


EUT Y_4TX
Setting 95
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.70752G	57.70	74.00	-16.30	43.19	3	Horizontal	96	2.45	-	39.16	9.62	34.27	
AV	11.70554G	44.06	54.00	-9.94	29.54	3	Horizontal	96	2.45	-	39.17	9.62	34.27	

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5815MHz_TnomVnom

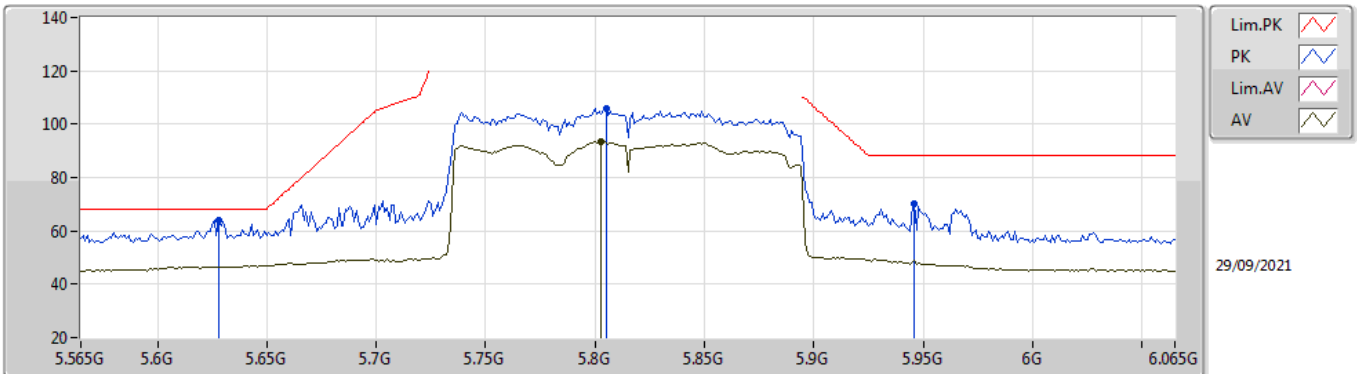


EUT Y_4TX
Setting 79
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.651G	68.92	68.94	-0.02	64.31	3	Vertical	304.2	1.91	-	31.60	5.23	32.22
PK	5.807G	115.39	Inf	-Inf	110.39	3	Vertical	304.2	1.91	-	32.00	5.31	32.31
AV	5.806G	102.22	Inf	-Inf	97.22	3	Vertical	304.2	1.91	-	32.00	5.31	32.31
PK	5.895G	97.48	110.20	-12.72	92.36	3	Vertical	304.2	1.91	-	32.09	5.40	32.37

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5815MHz_TnomVnom

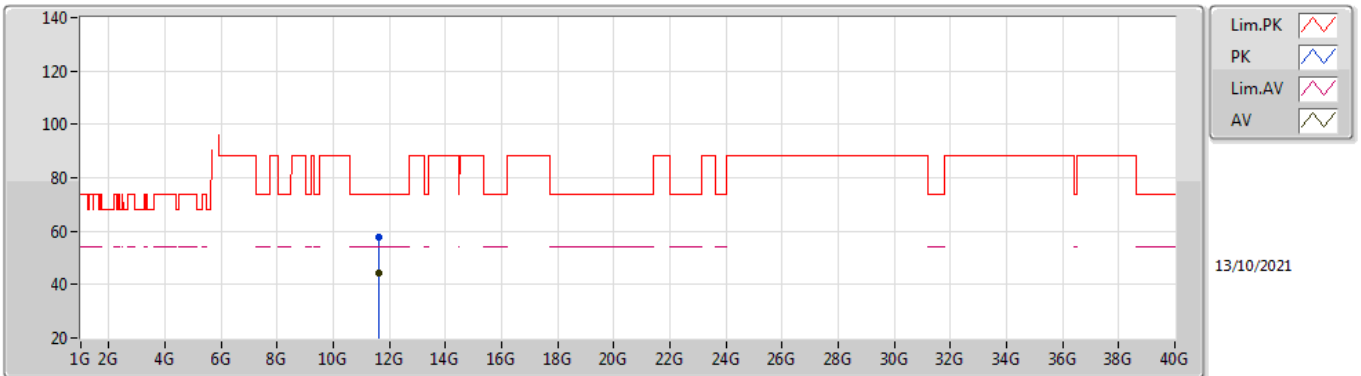


EUT Y_4TX
Setting 79
06-F-S-5-10

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	5.628G	64.16	68.20	-4.04	59.56	3	Horizontal	169.1	1.74	-	31.60	5.21	32.21	
PK	5.805G	106.04	Inf	-Inf	101.05	3	Horizontal	169.1	1.74	-	32.00	5.30	32.31	
AV	5.803G	93.31	Inf	-Inf	88.32	3	Horizontal	169.1	1.74	-	32.00	5.30	32.31	
PK	5.946G	70.37	88.20	-17.83	65.13	3	Horizontal	169.1	1.74	-	32.19	5.45	32.40	

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5815MHz_TnomVnom

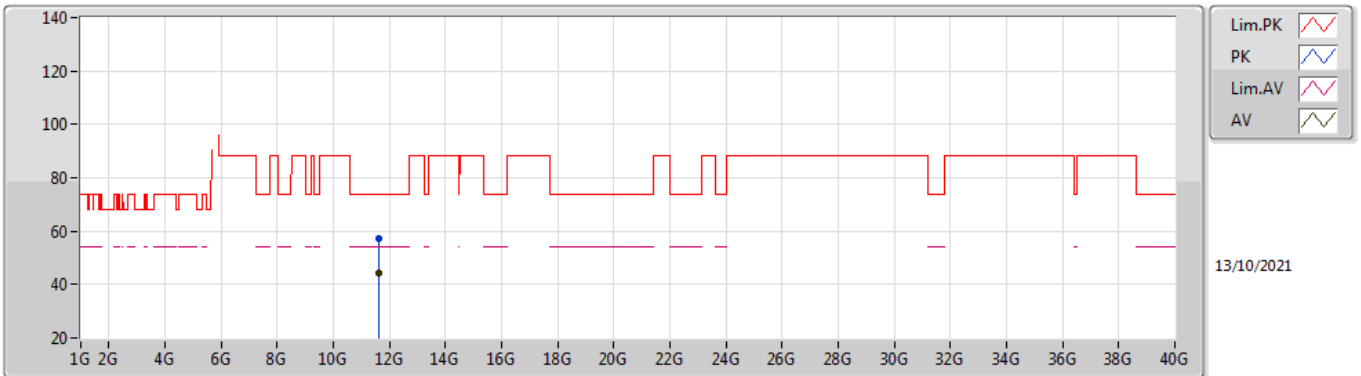


EUT Y_4TX
Setting 79
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.62602G	57.56	74.00	-16.44	42.85	3	Vertical	287	1.04	-	39.42	9.58	34.29
AV	11.6338G	44.20	54.00	-9.80	29.51	3	Vertical	287	1.04	-	39.40	9.58	34.29

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5815MHz_TnomVnom



EUT Y_4TX
Setting 79
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.63396G	57.28	74.00	-16.72	42.59	3	Horizontal	226	1.70	-	39.40	9.58	34.29	
AV	11.625G	44.26	54.00	-9.74	29.55	3	Horizontal	226	1.70	-	39.42	9.58	34.29	

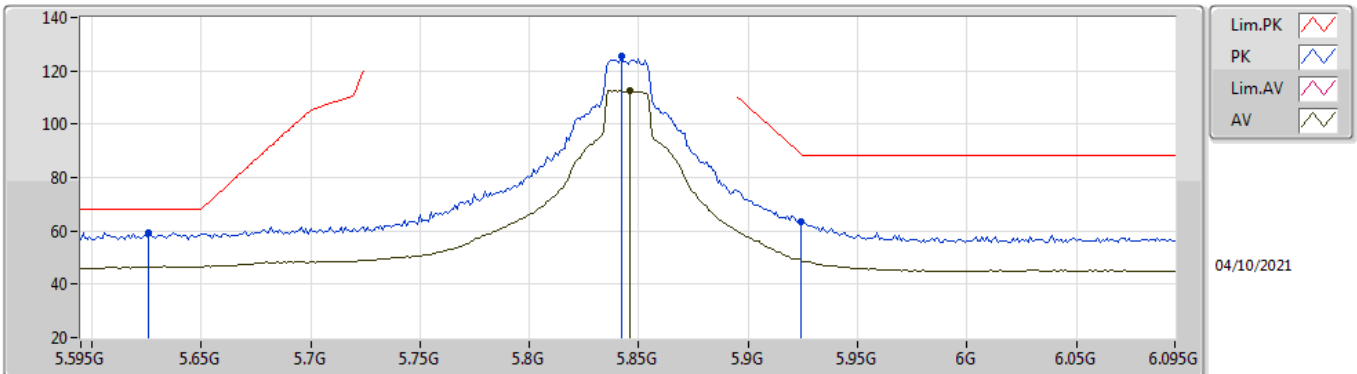


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.85-5.895GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	Pass	PK	5.914G	95.81	96.27	-0.46	3	Vertical	360	1.80	-

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5845MHz_TnomVnom

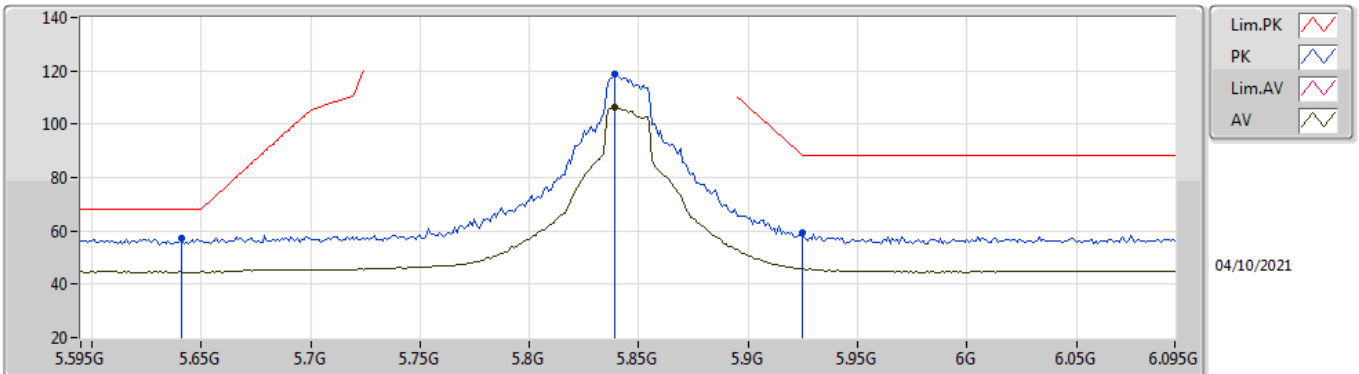


EUT Y_4TX
Setting 108
06-F-S-5-10

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	5.626G	59.38	68.20	-8.82	54.78	3	Vertical	306	1.80	-	31.60	5.21	32.21	
PK	5.842G	125.71	Inf	-Inf	120.71	3	Vertical	306	1.80	-	32.00	5.34	32.34	
AV	5.846G	112.51	Inf	-Inf	107.50	3	Vertical	306	1.80	-	32.00	5.35	32.34	
PK	5.924G	63.50	88.93	-25.43	58.31	3	Vertical	306	1.80	-	32.15	5.42	32.38	

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5845MHz_TnomVnom

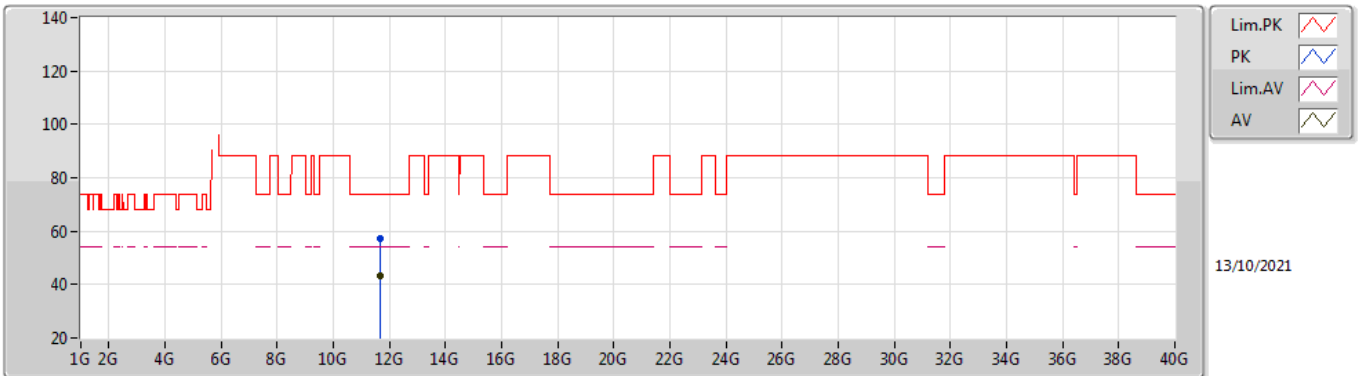


EUT Y_4TX
Setting 108
06-F-S-5-10

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	5.641G	57.16	68.20	-11.04	52.55	3	Horizontal	168	1.74	-	31.60	5.22	32.21	
PK	5.839G	118.69	Inf	-Inf	113.68	3	Horizontal	168	1.74	-	32.00	5.34	32.33	
AV	5.839G	106.46	Inf	-Inf	101.45	3	Horizontal	168	1.74	-	32.00	5.34	32.33	
PK	5.925G	59.55	88.20	-28.65	54.36	3	Horizontal	168	1.74	-	32.15	5.42	32.38	

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5845MHz_TnomVnom

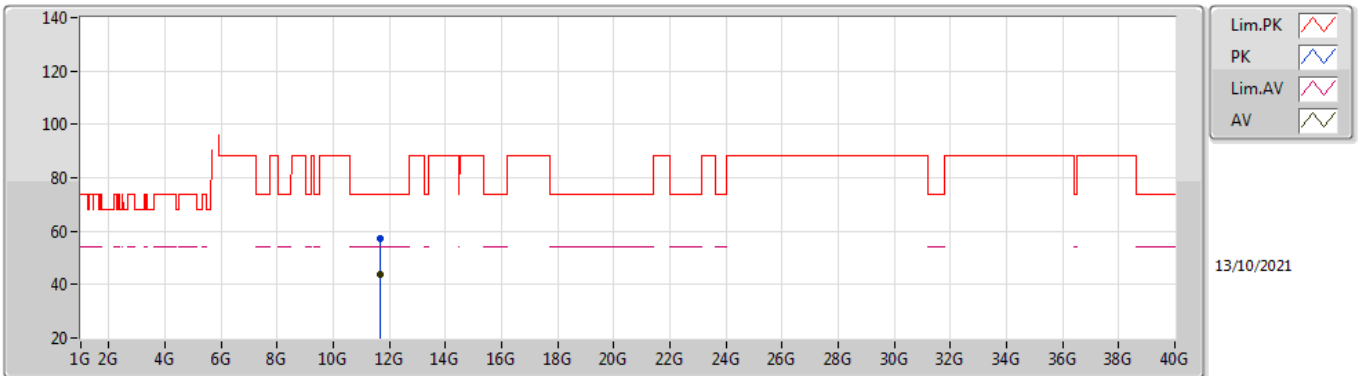


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69174G	57.06	74.00	-16.94	42.50	3	Vertical	42	1.00	-	39.22	9.62	34.28
AV	11.68978G	43.50	54.00	-10.50	28.94	3	Vertical	42	1.00	-	39.23	9.61	34.28

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5845MHz_TnomVnom

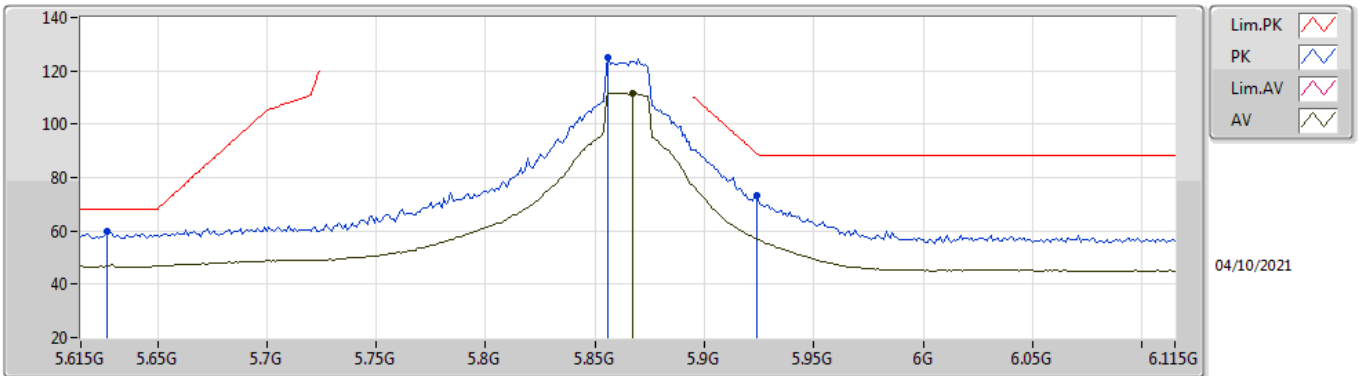


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.68988G	57.04	74.00	-16.96	42.48	3	Horizontal	98	2.97	-	39.23	9.61	34.28
AV	11.68576G	43.55	54.00	-10.45	28.98	3	Horizontal	98	2.97	-	39.24	9.61	34.28

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5865MHz_TnomVnom

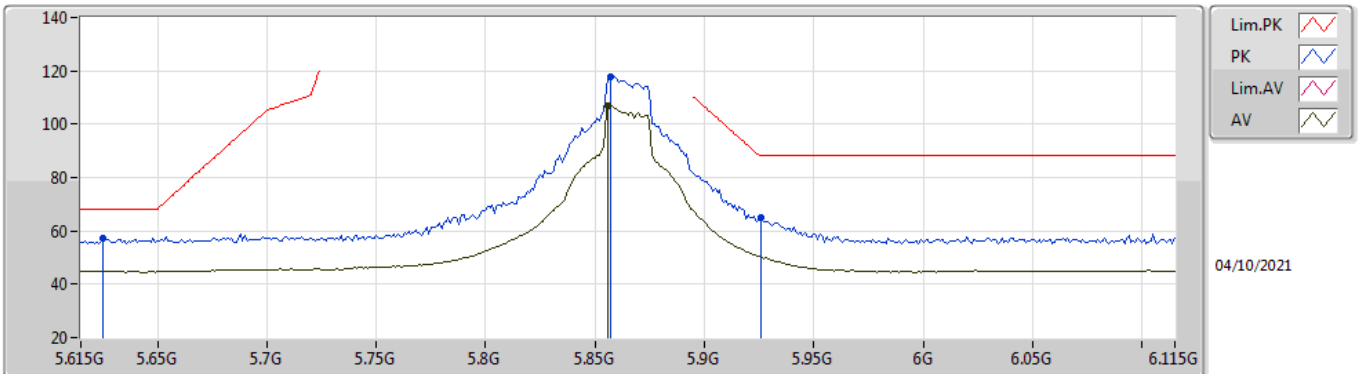


EUT Y_4TX
Setting 108
06-F-S-5-10

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	5.627G	59.95	68.20	-8.25	55.35	3	Vertical	304	1.68	-	31.60	5.21	32.21	
PK	5.856G	124.81	Inf	-Inf	119.78	3	Vertical	304	1.68	-	32.01	5.36	32.34	
AV	5.867G	111.68	Inf	-Inf	106.63	3	Vertical	304	1.68	-	32.03	5.37	32.35	
PK	5.924G	73.04	88.93	-15.89	67.85	3	Vertical	304	1.68	-	32.15	5.42	32.38	

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5865MHz_TnomVnom

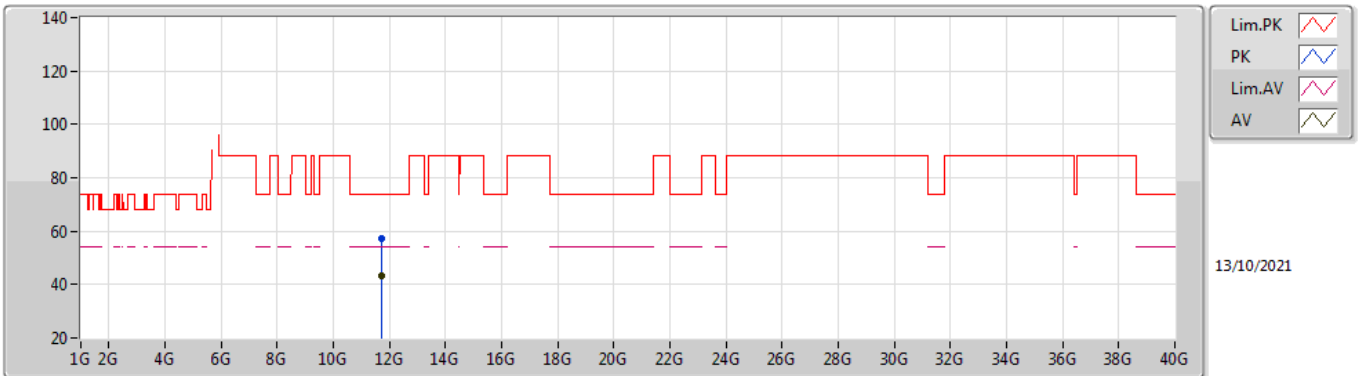


EUT Y_4TX
Setting 108
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.625G	57.02	68.20	-11.18	52.41	3	Horizontal	167	1.72	-	31.60	5.21	32.20
PK	5.857G	117.71	Inf	-Inf	112.68	3	Horizontal	167	1.72	-	32.01	5.36	32.34
AV	5.856G	107.03	Inf	-Inf	102.00	3	Horizontal	167	1.72	-	32.01	5.36	32.34
PK	5.926G	64.95	88.20	-23.25	59.76	3	Horizontal	167	1.72	-	32.15	5.43	32.39

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5865MHz_TnomVnom

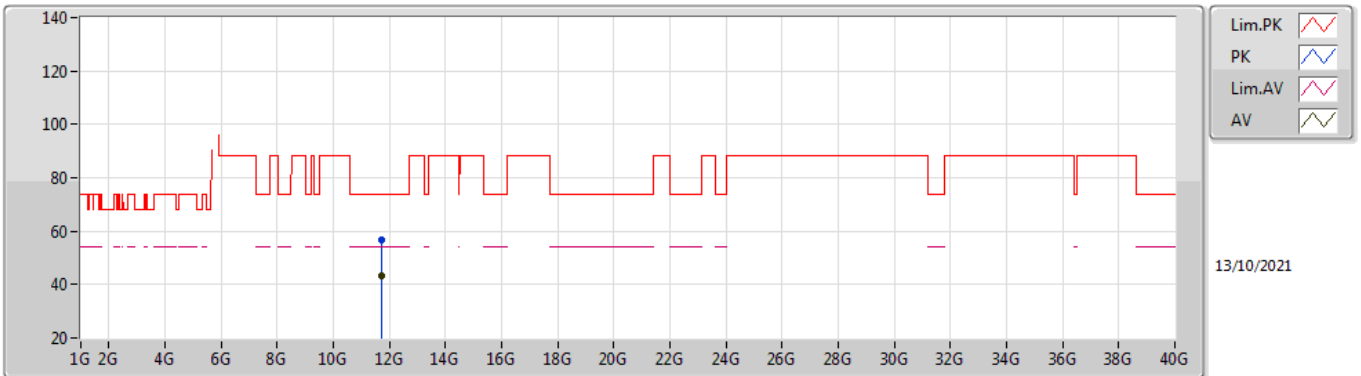


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.73084G	57.39	74.00	-16.61	42.97	3	Vertical	203	1.34	-	39.05	9.64	34.27
AV	11.72632G	43.09	54.00	-10.91	28.65	3	Vertical	203	1.34	-	39.07	9.64	34.27

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5865MHz_TnomVnom

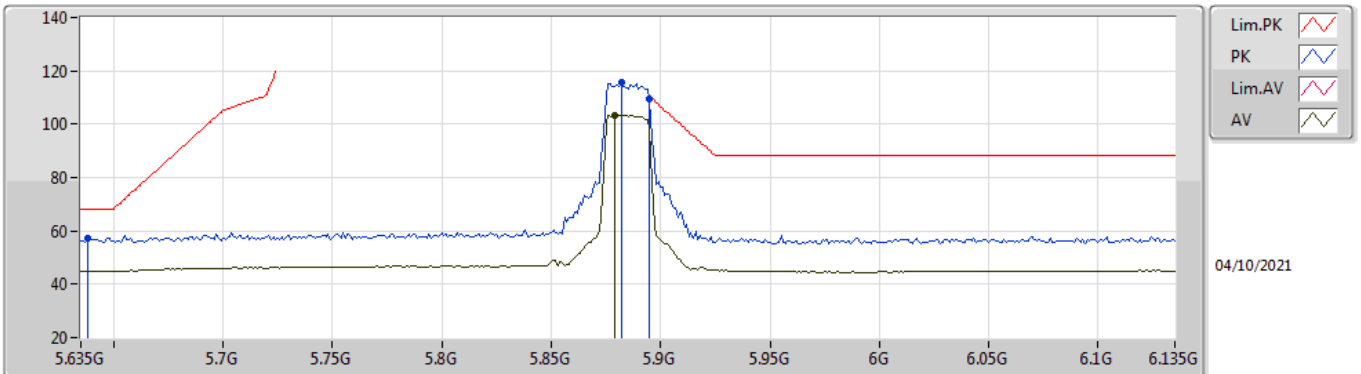


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.72974G	56.95	74.00	-17.05	42.53	3	Horizontal	70	1.50	-	39.05	9.64	34.27
AV	11.72948G	43.14	54.00	-10.86	28.72	3	Horizontal	70	1.50	-	39.05	9.64	34.27

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5885MHz_TnomVnom

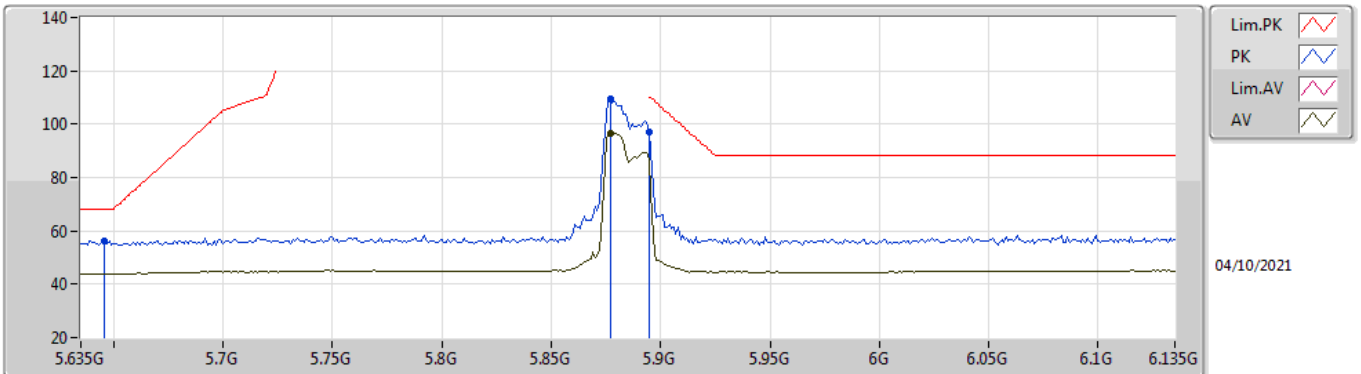


EUT Y_4TX
Setting 65
06-F-S-5-10

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	57.26	68.20	-10.94	52.65	3	Vertical	308	1.77	-	31.60	5.22	32.21
PK	5.882G	115.62	Inf	-Inf	110.54	3	Vertical	308	1.77	-	32.06	5.38	32.36
AV	5.879G	103.46	Inf	-Inf	98.38	3	Vertical	308	1.77	-	32.06	5.38	32.36
PK	5.895G	109.40	110.20	-0.80	104.28	3	Vertical	308	1.77	-	32.09	5.40	32.37

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5885MHz_TnomVnom

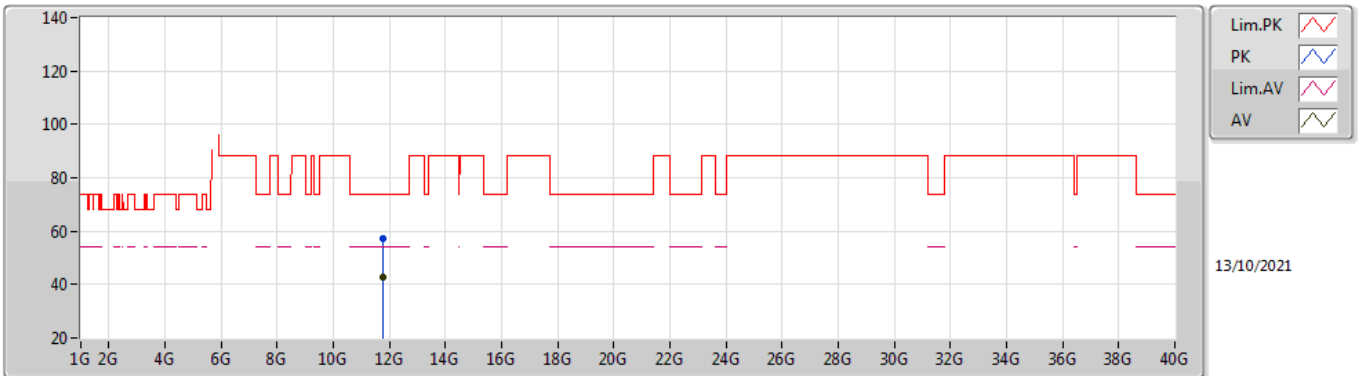


EUT Y_4TX
Setting 65
06-F-S-5-10

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	5.646G	56.44	68.20	-11.76	51.84	3	Horizontal	345	2.56	-	31.60	5.22	32.22	
PK	5.877G	109.27	Inf	-Inf	104.20	3	Horizontal	345	2.56	-	32.05	5.38	32.36	
AV	5.877G	96.51	Inf	-Inf	91.44	3	Horizontal	345	2.56	-	32.05	5.38	32.36	
PK	5.895G	96.98	110.20	-13.22	91.86	3	Horizontal	345	2.56	-	32.09	5.40	32.37	

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5885MHz_TnomVnom

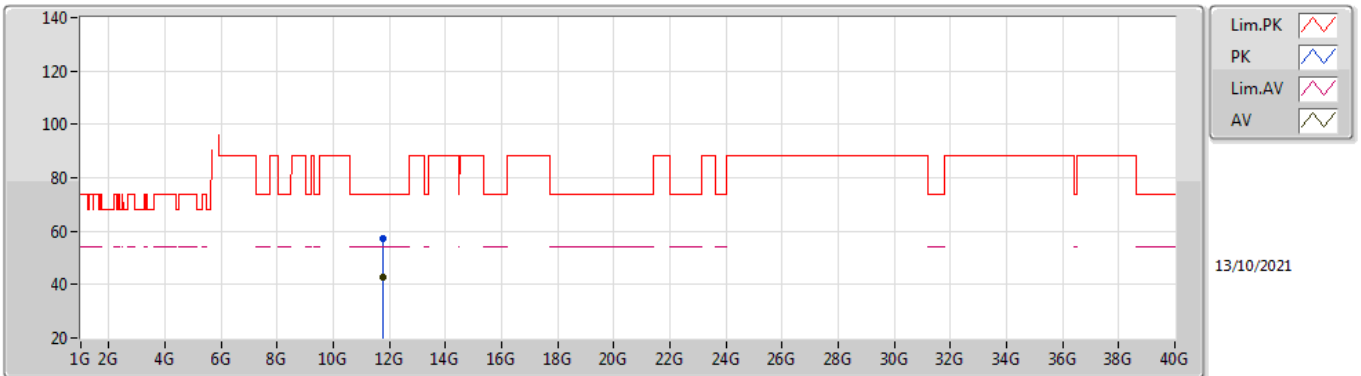


EUT Y_4TX
Setting 65
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.77226G	57.27	74.00	-16.73	43.03	3	Vertical	264	1.10	-	38.84	9.66	34.26
AV	11.76748G	42.81	54.00	-11.19	28.55	3	Vertical	264	1.10	-	38.86	9.66	34.26

802.11ax HEW20-BF_Nss2,(MCS0)_4TX

5885MHz_TnomVnom

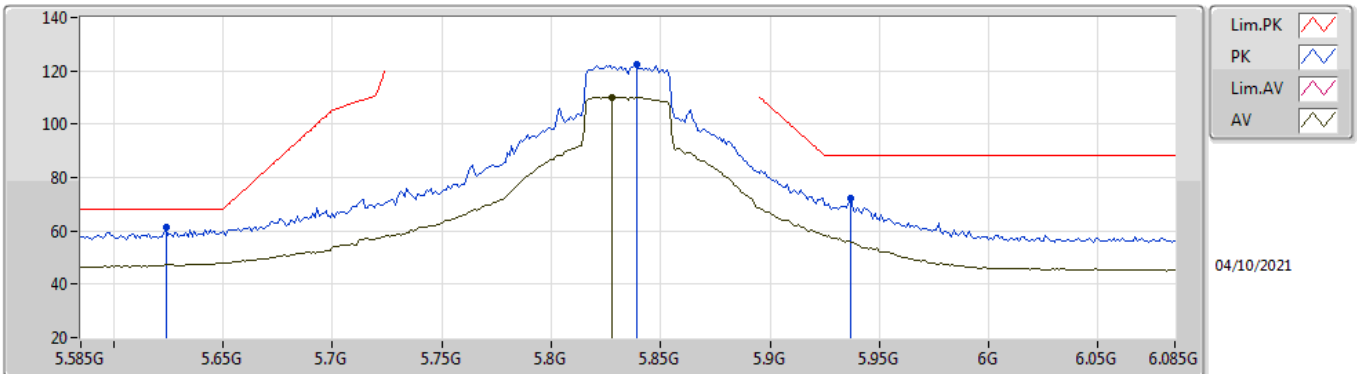


EUT Y_4TX
Setting 65
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.77154G	57.12	74.00	-16.88	42.88	3	Horizontal	229	1.31	-	38.84	9.66	34.26
AV	11.76998G	42.82	54.00	-11.18	28.57	3	Horizontal	229	1.31	-	38.85	9.66	34.26

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

5835MHz_TnomVnom

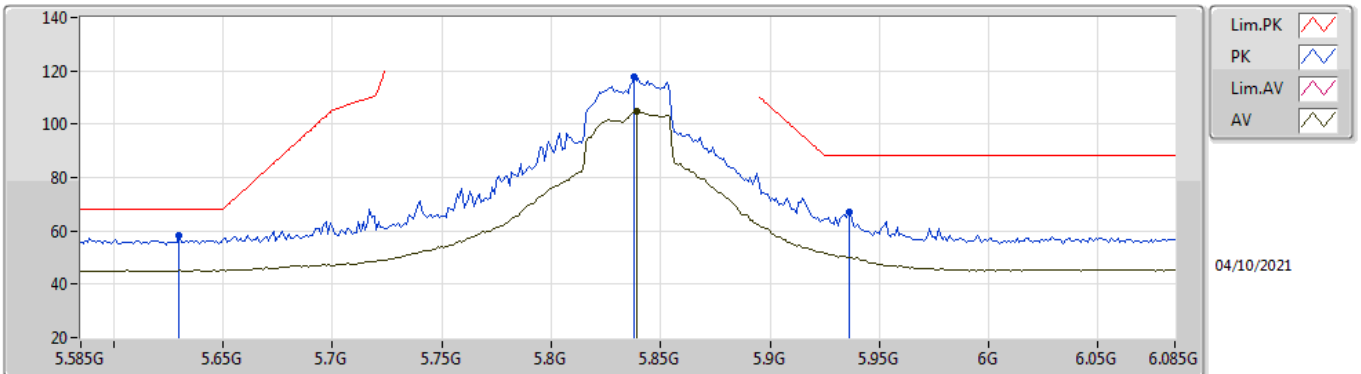


EUT Y_4TX
Setting 108
06-F-S-5-10

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	5.624G	61.36	68.20	-6.84	56.75	3	Vertical	310.3	1.83	-	31.60	5.21	32.20	
PK	5.839G	122.18	Inf	-Inf	117.17	3	Vertical	310.3	1.83	-	32.00	5.34	32.33	
AV	5.828G	110.24	Inf	-Inf	105.24	3	Vertical	310.3	1.83	-	32.00	5.33	32.33	
PK	5.937G	72.02	88.20	-16.18	66.80	3	Vertical	310.3	1.83	-	32.17	5.44	32.39	

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

5835MHz_TnomVnom

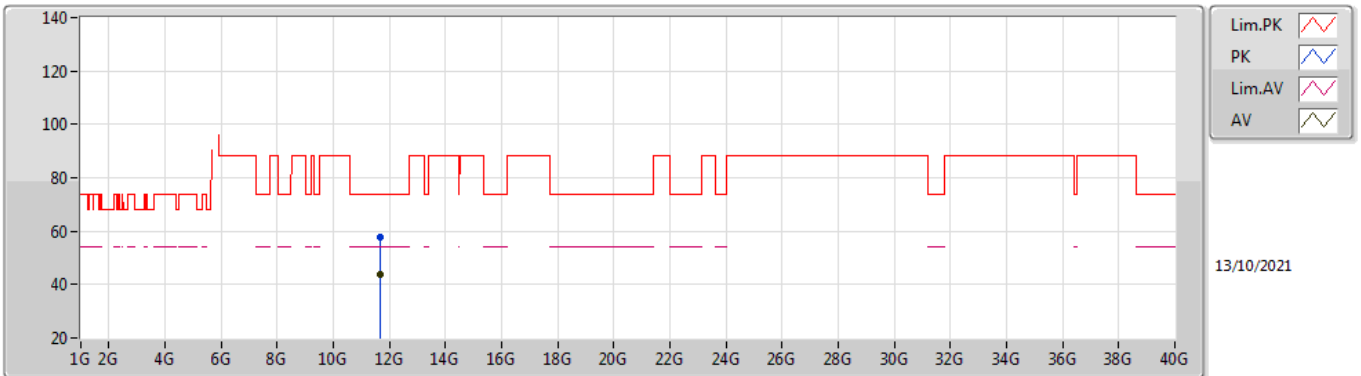


EUT Y_4TX
Setting 108
06-F-S-5-10

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	5.63G	58.22	68.20	-9.98	53.62	3	Horizontal	164.9	1.99	-	31.60	5.21	32.21	
PK	5.838G	117.56	Inf	-Inf	112.55	3	Horizontal	164.9	1.99	-	32.00	5.34	32.33	
AV	5.839G	104.65	Inf	-Inf	99.64	3	Horizontal	164.9	1.99	-	32.00	5.34	32.33	
PK	5.936G	67.30	88.20	-20.90	62.08	3	Horizontal	164.9	1.99	-	32.17	5.44	32.39	

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

5835MHz_TnomVnom

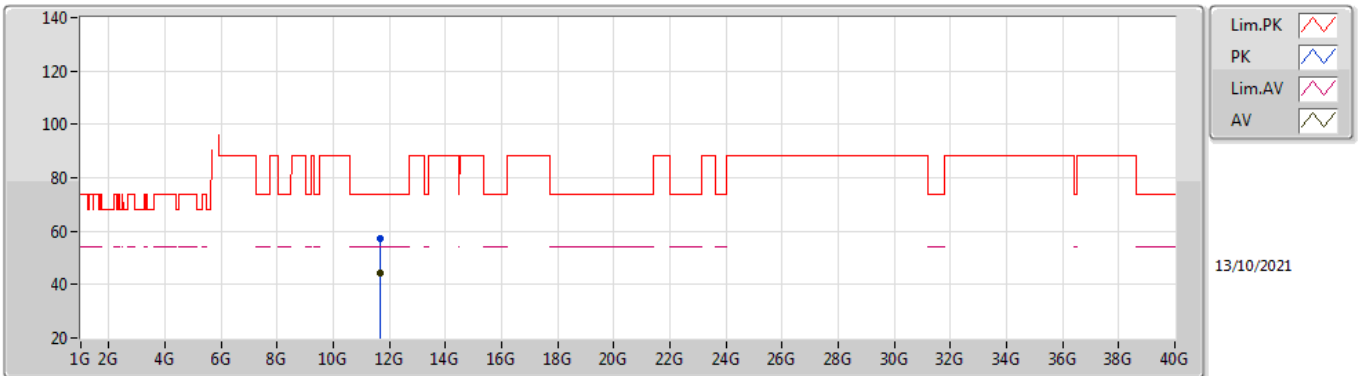


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.6723G	57.89	74.00	-16.11	43.29	3	Vertical	225	2.91	-	39.28	9.60	34.28	
AV	11.67186G	44.05	54.00	-9.95	29.45	3	Vertical	225	2.91	-	39.28	9.60	34.28	

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

5835MHz_TnomVnom

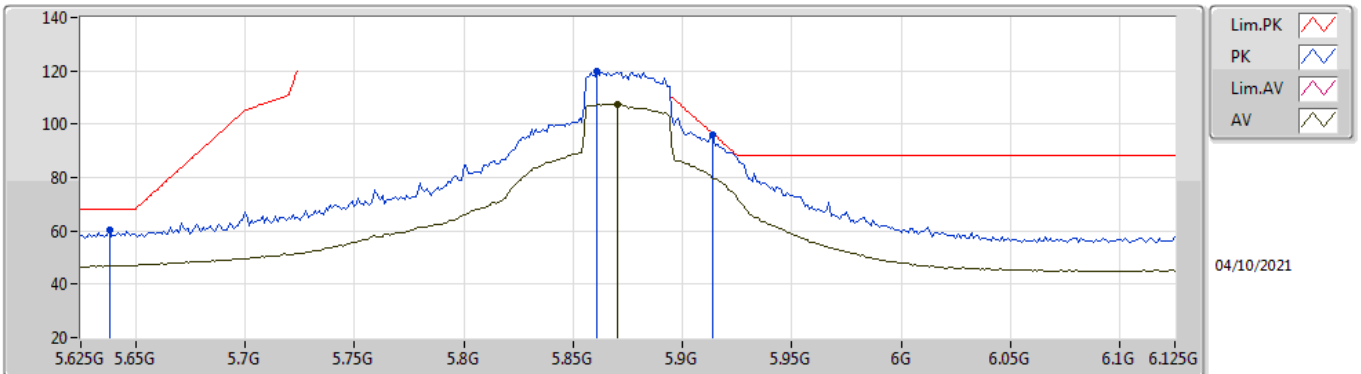


EUT Y_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.67172G	57.38	74.00	-16.62	42.78	3	Horizontal	132	1.03	-	39.28	9.60	34.28
AV	11.67068G	44.20	54.00	-9.80	29.59	3	Horizontal	132	1.03	-	39.29	9.60	34.28

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

5875MHz_TnomVnom

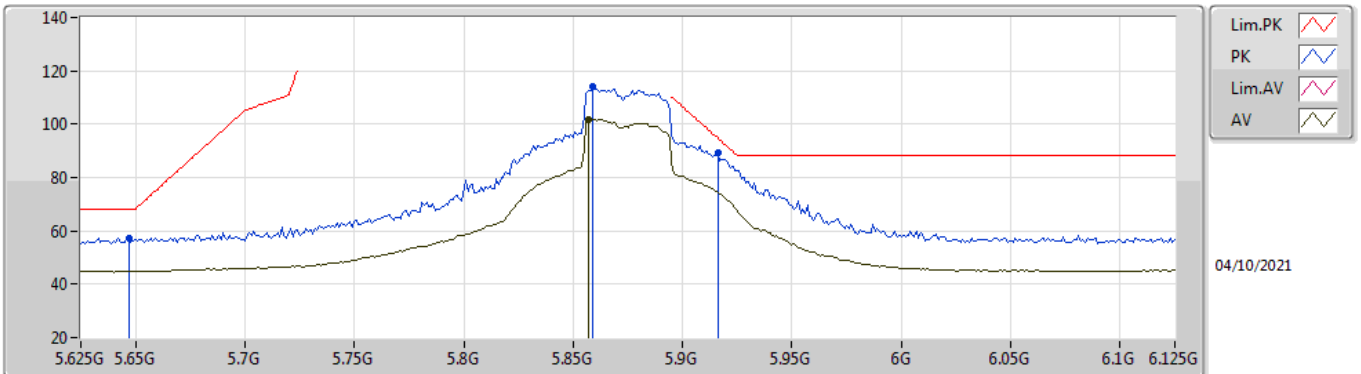


EUT Y_4TX
Setting 102
06-F-S-5-10

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	60.32	68.20	-7.88	55.71	3	Vertical	360	1.80	-	31.60	5.22	32.21
PK	5.861G	119.99	Inf	-Inf	114.96	3	Vertical	360	1.80	-	32.02	5.36	32.35
AV	5.87G	107.51	Inf	-Inf	102.45	3	Vertical	360	1.80	-	32.04	5.37	32.35
PK	5.914G	95.81	96.27	-0.46	90.65	3	Vertical	360	1.80	-	32.13	5.41	32.38

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

5875MHz_TnomVnom

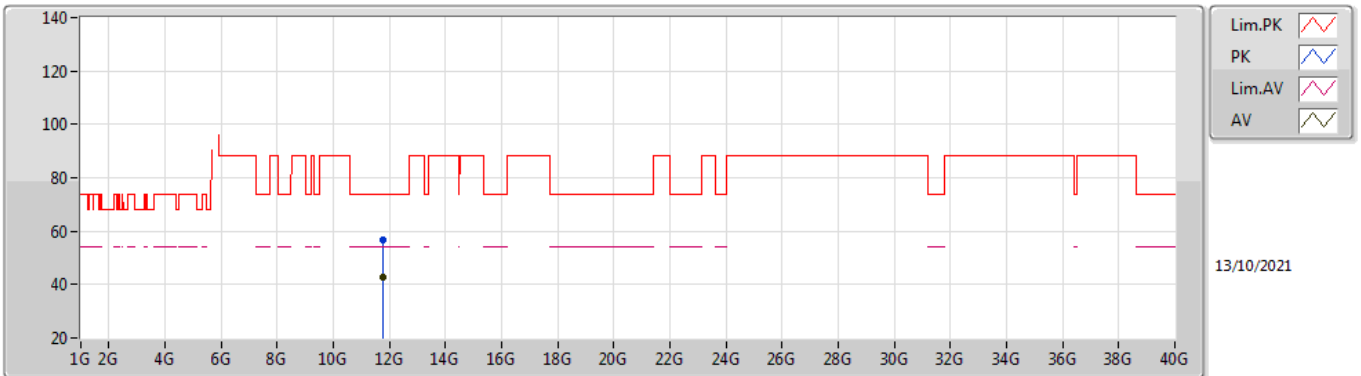


EUT_Y_4TX
Setting 102
06-F-S-5-10

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	5.647G	57.30	68.20	-10.90	52.70	3	Horizontal	163	1.80	-	31.60	5.22	32.22
PK	5.859G	114.01	Inf	-Inf	108.98	3	Horizontal	163	1.80	-	32.02	5.36	32.35
AV	5.857G	101.61	Inf	-Inf	96.58	3	Horizontal	163	1.80	-	32.01	5.36	32.34
PK	5.916G	89.34	94.80	-5.46	84.17	3	Horizontal	163	1.80	-	32.13	5.42	32.38

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

5875MHz_TnomVnom

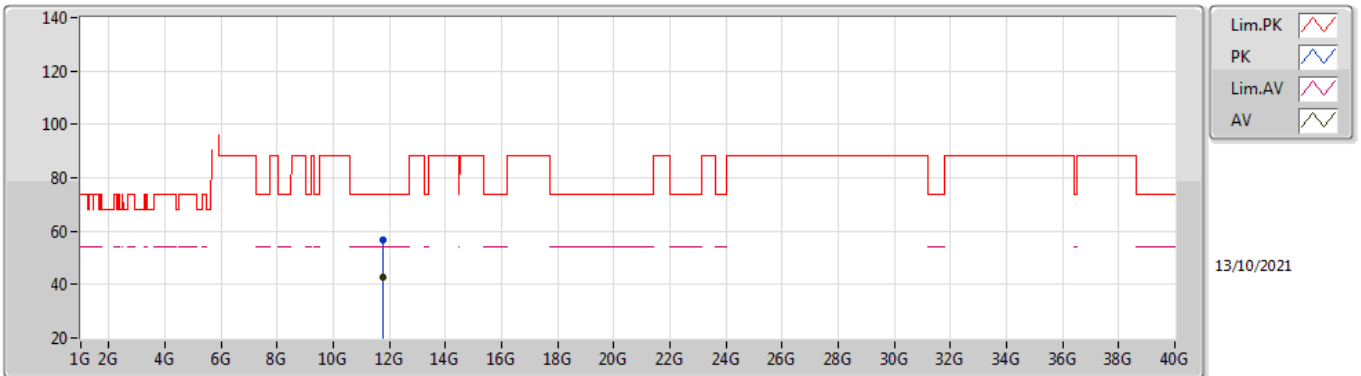


EUT Y_4TX
Setting 102
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.7474G	56.96	74.00	-17.04	42.62	3	Vertical	323	1.20	-	38.96	9.65	34.27	
AV	11.7525G	42.94	54.00	-11.06	28.61	3	Vertical	323	1.20	-	38.94	9.65	34.26	

802.11ax HEW40-BF_Nss2,(MCS0)_4TX

5875MHz_TnomVnom

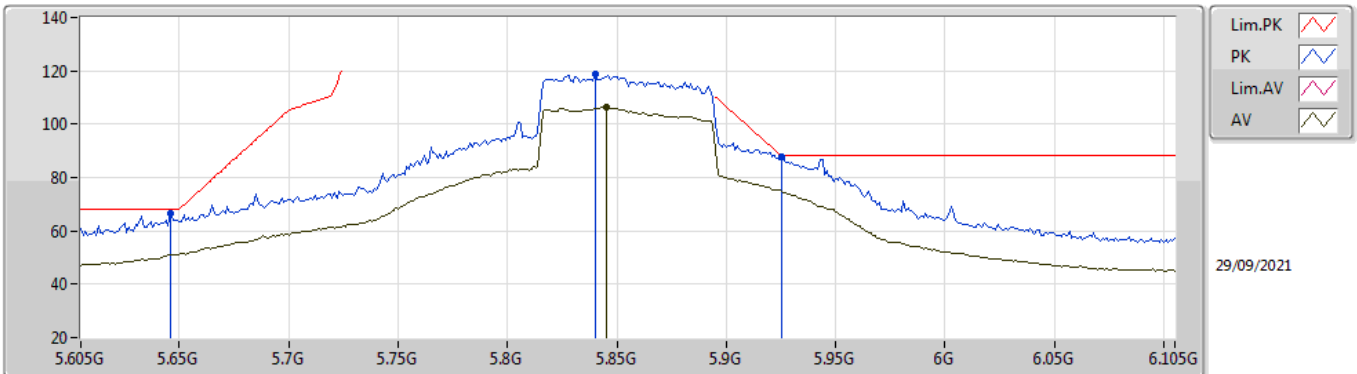


EUT Y_4TX
Setting 102
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.74772G	56.74	74.00	-17.26	42.40	3	Horizontal	237	2.06	-	38.96	9.65	34.27
AV	11.74982G	43.00	54.00	-11.00	28.67	3	Horizontal	237	2.06	-	38.95	9.65	34.27

802.11ax HEW80-BF_Nss2,(MCS0)_4TX

5855MHz_TnomVnom

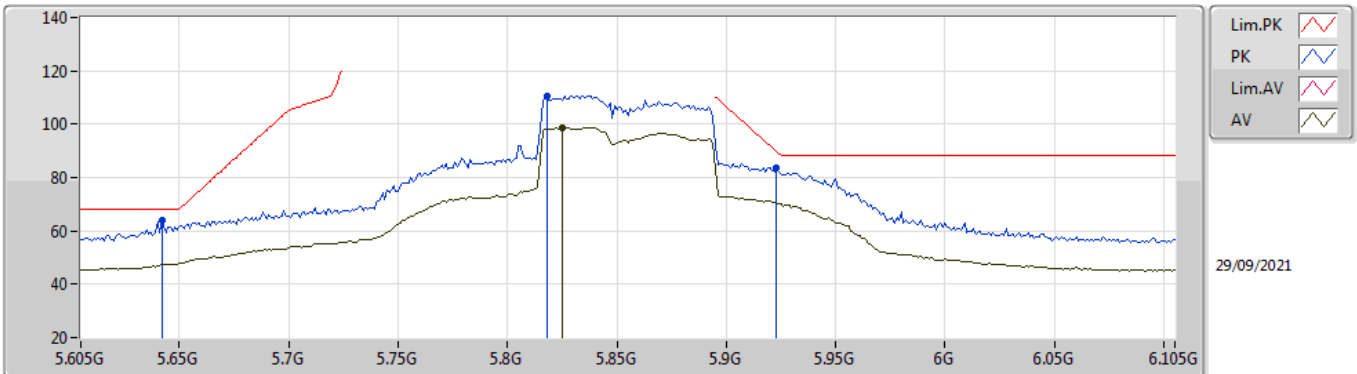


EUT Y_4TX
Setting 99
06-F-S-5-10

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	5.646G	66.44	68.20	-1.76	61.84	3	Vertical	311.4	1.75	-	31.60	5.22	32.22	
PK	5.84G	118.60	Inf	-Inf	113.59	3	Vertical	311.4	1.75	-	32.00	5.34	32.33	
AV	5.845G	106.26	Inf	-Inf	101.26	3	Vertical	311.4	1.75	-	32.00	5.34	32.34	
PK	5.925G	87.67	88.20	-0.53	82.48	3	Vertical	311.4	1.75	-	32.15	5.42	32.38	

802.11ax HEW80-BF_Nss2,(MCS0)_4TX

5855MHz_TnomVnom

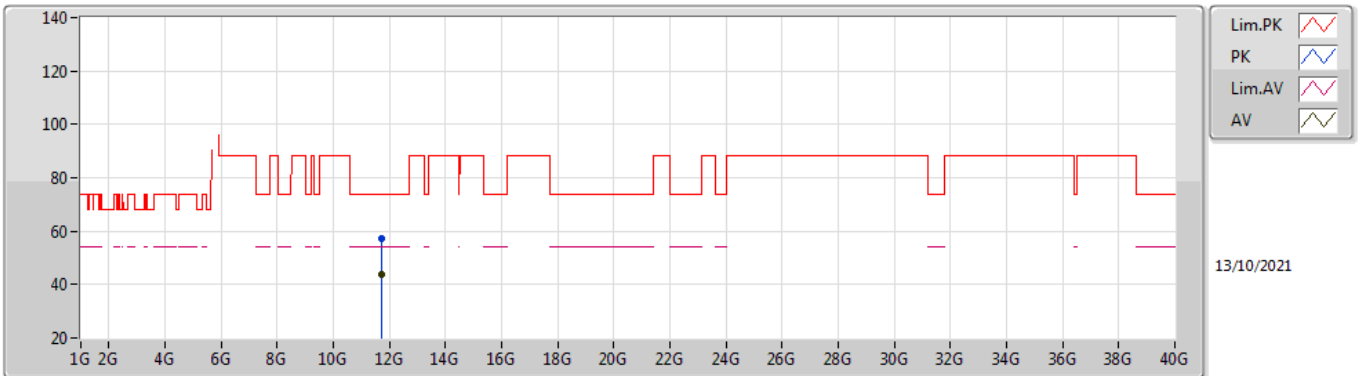


EUT Y_4TX
Setting 99
06-F-S-5-10

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	5.642G	63.78	68.20	-4.42	59.18	3	Horizontal	170.2	1.96	-	31.60	5.22	32.22
PK	5.818G	110.68	Inf	-Inf	105.68	3	Horizontal	170.2	1.96	-	32.00	5.32	32.32
AV	5.825G	98.76	Inf	-Inf	93.76	3	Horizontal	170.2	1.96	-	32.00	5.33	32.33
PK	5.923G	83.79	89.67	-5.88	78.60	3	Horizontal	170.2	1.96	-	32.15	5.42	32.38

802.11ax HEW80-BF_Nss2,(MCS0)_4TX

5855MHz_TnomVnom

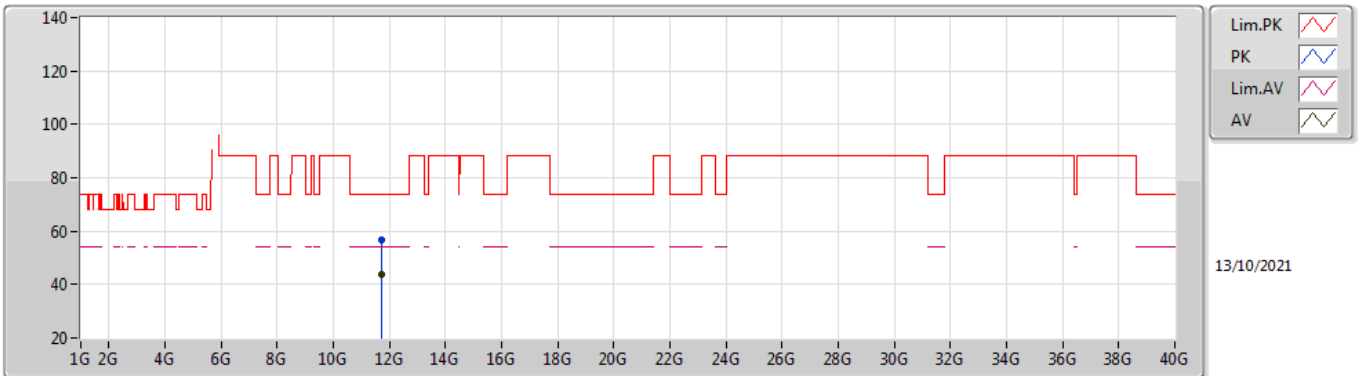


EUT Y_4TX
Setting 99
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.71324G	57.04	74.00	-16.96	42.55	3	Vertical	343	2.46	-	39.13	9.63	34.27
AV	11.7058G	43.89	54.00	-10.11	29.37	3	Vertical	343	2.46	-	39.17	9.62	34.27

802.11ax HEW80-BF_Nss2,(MCS0)_4TX

5855MHz_TnomVnom

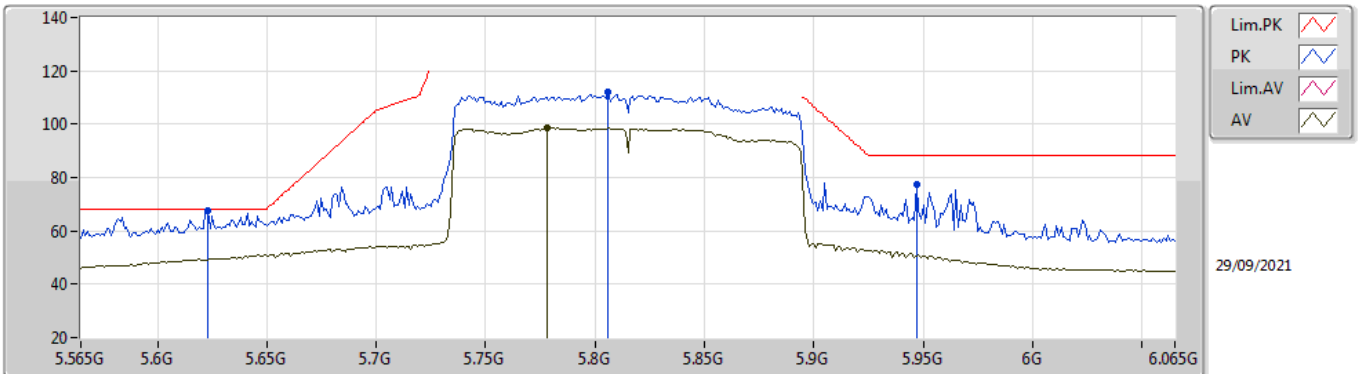


EUT Y_4TX
Setting 99
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.70824G	56.93	74.00	-17.07	42.42	3	Horizontal	246	3.00	-	39.16	9.62	34.27	
AV	11.70564G	43.81	54.00	-10.19	29.29	3	Horizontal	246	3.00	-	39.17	9.62	34.27	

802.11ax HEW160-BF_Nss2,(MCS0)_4TX

5815MHz_TnomVnom

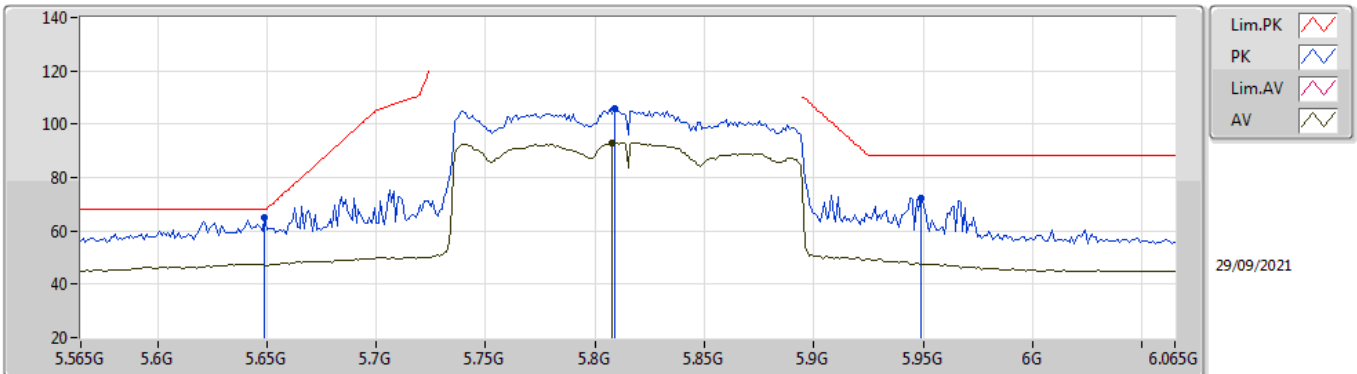


EUT Y_4TX
Setting 79
06-F-S-5-10

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	5.623G	67.53	68.20	-0.67	62.92	3	Vertical	313	1.80	-	31.60	5.21	32.20
PK	5.806G	112.04	Inf	-Inf	107.04	3	Vertical	313	1.80	-	32.00	5.31	32.31
AV	5.778G	98.73	Inf	-Inf	93.74	3	Vertical	313	1.80	-	32.00	5.29	32.30
PK	5.947G	77.28	88.20	-10.92	72.04	3	Vertical	313	1.80	-	32.19	5.45	32.40

802.11ax HEW160-BF_Nss2,(MCS0)_4TX

5815MHz_TnomVnom

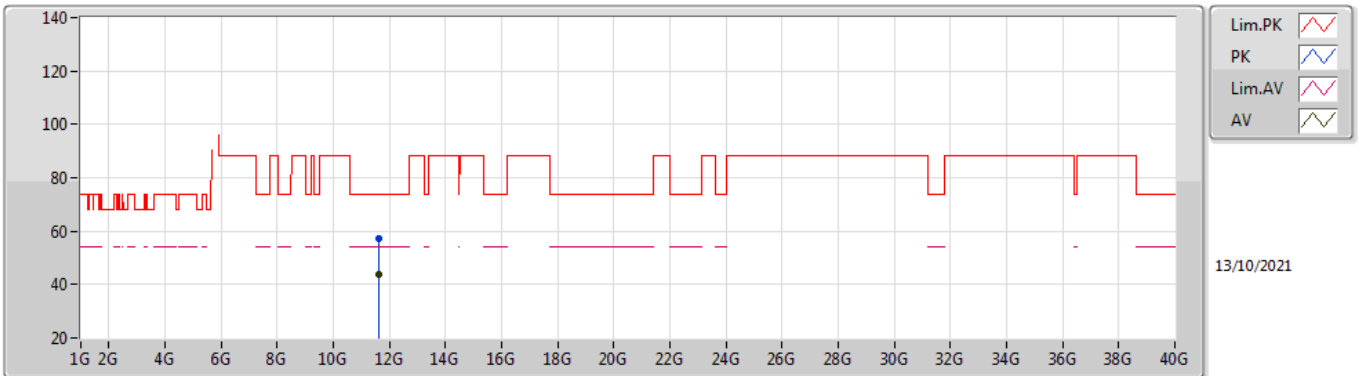


EUT Y_4TX
Setting 79
06-F-S-5-10

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	65.11	68.20	-3.09	60.51	3	Horizontal	171.8	1.82	-	31.60	5.22	32.22	
PK	5.809G	105.98	Inf	-Inf	100.99	3	Horizontal	171.8	1.82	-	32.00	5.31	32.32	
AV	5.808G	93.05	Inf	-Inf	88.05	3	Horizontal	171.8	1.82	-	32.00	5.31	32.31	
PK	5.949G	72.39	88.20	-15.81	67.14	3	Horizontal	171.8	1.82	-	32.20	5.45	32.40	

802.11ax HEW160-BF_Nss2,(MCS0)_4TX

5815MHz_TnomVnom

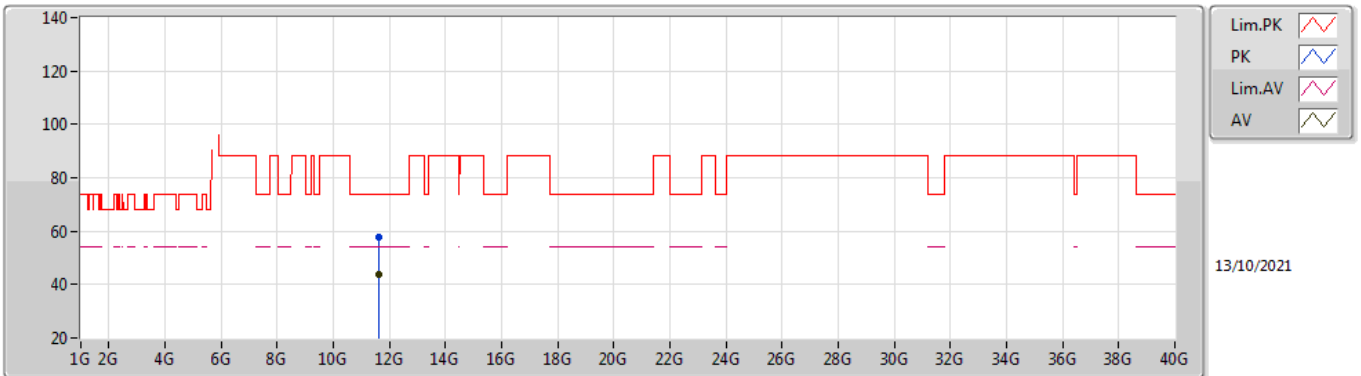


EUT Y_4TX
Setting 79
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.62906G	57.14	74.00	-16.86	42.44	3	Vertical	357	1.81	-	39.41	9.58	34.29
AV	11.63406G	43.65	54.00	-10.35	28.96	3	Vertical	357	1.81	-	39.40	9.58	34.29

802.11ax HEW160-BF_Nss2,(MCS0)_4TX

5815MHz_TnomVnom



EUT Y_4TX
Setting 79
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.63012G	57.57	74.00	-16.43	42.87	3	Horizontal	113	2.01	-	39.41	9.58	34.29
AV	11.63282G	43.69	54.00	-10.31	29.00	3	Horizontal	113	2.01	-	39.40	9.58	34.29