



RADIO TEST REPORT

FCC ID : Z8H89FT0079
Equipment : XV2-23T Outdoor Wi-Fi 6 Access Point
Brand Name : Cambium Networks
Model Name : XV2-23T
Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL
60008, USA
Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK
Standard : 47 CFR FCC Part 15.407

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

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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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	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW20-BF	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11n HT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20-BF	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11n HT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80-BF	80	2TX

Note:

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

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz					
1	1	-	Gemtek	WRTQ-370AX	Embedded	MHF	Note1
2	2	-	Gemtek	WRTQ-370AX	Embedded	MHF	
3	-	1	Gemtek	WRTQ-370AX	Embedded	MHF	
4	-	2	Gemtek	WRTQ-370AX	Embedded	MHF	

Note1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3
1	6.71	-	-	-	-
2	7.34	-	-	-	-
3	-	8.19	8.19	8.05	8.40
4	-	11.07	11.07	11.43	10.98

Note2: The above information was declared by manufacturer.

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

Note4: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

Where ;

$$G1 = 10 ; G2 = 10 ;$$

$$2.4G \ G1 = 6.71 \text{ dBi} ; G2 = 7.34 \text{ dBi} ; DG = 10.04 \text{ dBi}$$

$$5G \text{ Band1} \ G1 = 8.19 \text{ dBi} ; G2 = 11.07 \text{ dBi} ; DG = 12.76 \text{ dBi}$$

$$5G \text{ Band2} \ G1 = 8.19 \text{ dBi} ; G2 = 11.07 \text{ dBi} ; DG = 12.76 \text{ dBi}$$

$$5G \text{ Band3} \ G1 = 8.05 \text{ dBi} ; G2 = 11.43 \text{ dBi} ; DG = 12.91 \text{ dBi}$$

$$5G \text{ Band4} \ G1 = 8.40 \text{ dBi} ; G2 = 10.98 \text{ dBi} ; DG = 12.80 \text{ dBi}$$

Note5: **For 2.4GHz function:**

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.938	0.28	1.98m	1k
802.11ax HEW20	0.904	0.44	5.448m	300
802.11ax HEW40	0.92	0.36	5.448m	300
802.11ax HEW80	0.904	0.44	5.448m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz.			
Function	☒	Outdoor P2M	☐	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QSPR V5.0-00199			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT supports functions

Function
AP
Bridge
Mesh

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

Note 2: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.6-23.9 / 58-69	Jun. 27, 2022~ Jul. 20, 2022
Radiated <Below 1GHz>	03CH05-CB	Simmon Cheng	25.5~27 / 65~68	Jul. 29, 2022
Radiated <Above 1GHz>	03CH02-CB	Simmon Cheng	24.5-25.6 / 56-59	Jun. 16, 2022~ Jun. 17, 2022
AC Conduction	CO01-CB	Dean Chang	23~24 / 52~53	Jun. 17, 2022



1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-Beamforming Mode>

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	15
5200MHz	15
5240MHz	14.5
5745MHz	21.5
5785MHz	21.5
5825MHz	21.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	15
5200MHz	15
5240MHz	15
5745MHz	21.5
5785MHz	22
5825MHz	22
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	15
5230MHz	14.5
5755MHz	21.5
5795MHz	21.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	14.5
5775MHz	21.5

**<Beamforming Mode>**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	12
5200MHz	11.5
5240MHz	12
5745MHz	20
5785MHz	20
5825MHz	20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	11.5
5230MHz	11.5
5755MHz	20
5795MHz	20
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	11
5775MHz	20

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

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



2.2 The Worst Case Measurement Configuration

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

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	Normal Link
1	EUT in Y axis
2	EUT in Z axis
3	EUT in X axis
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA261023 for Co-location RF Exposure Evaluation.	

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

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



2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Sealing Collar*1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Cambium	NET-P15-56IN	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	LAN NB	DELL	E6430	N/A

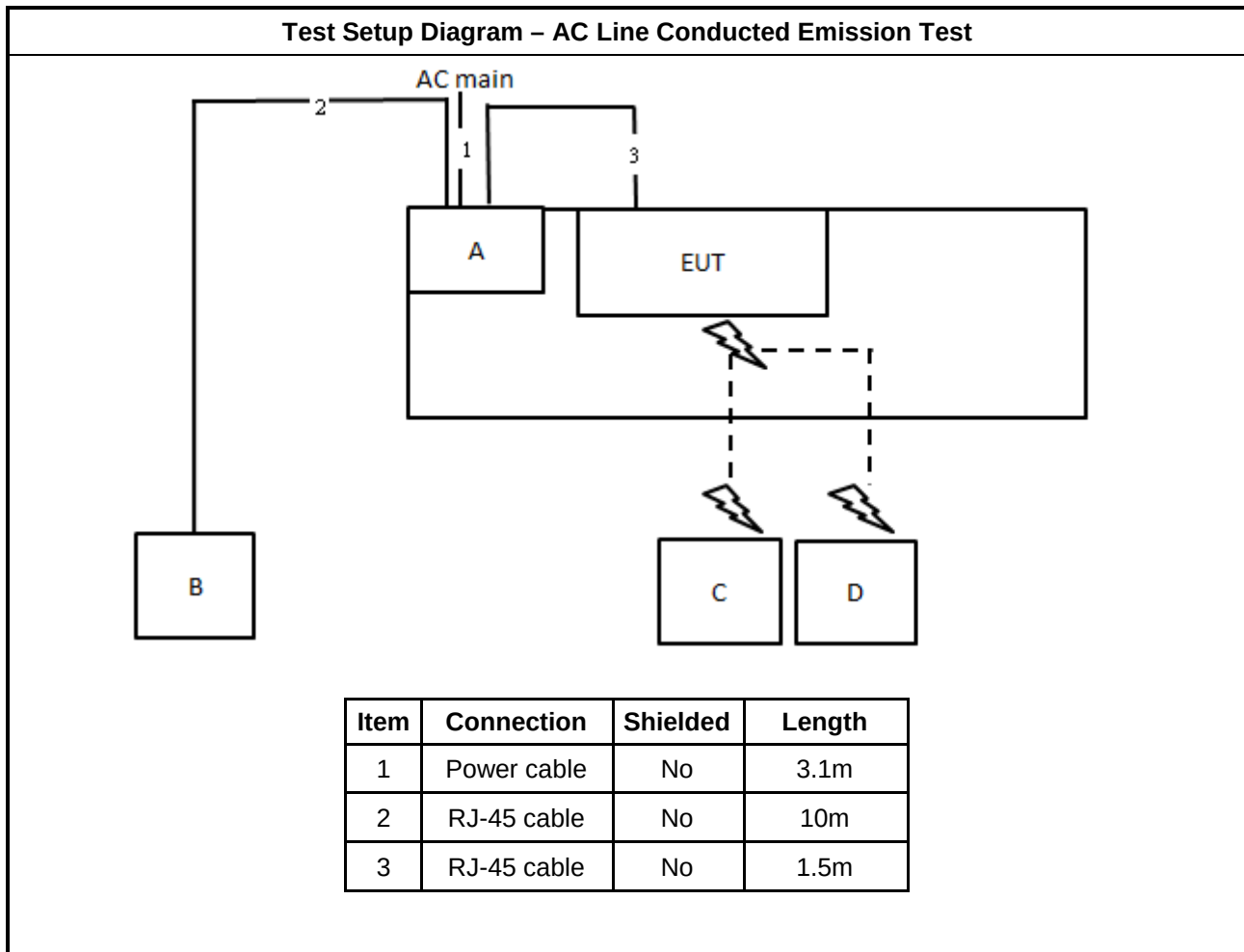
For Radiated (below 1GHz):

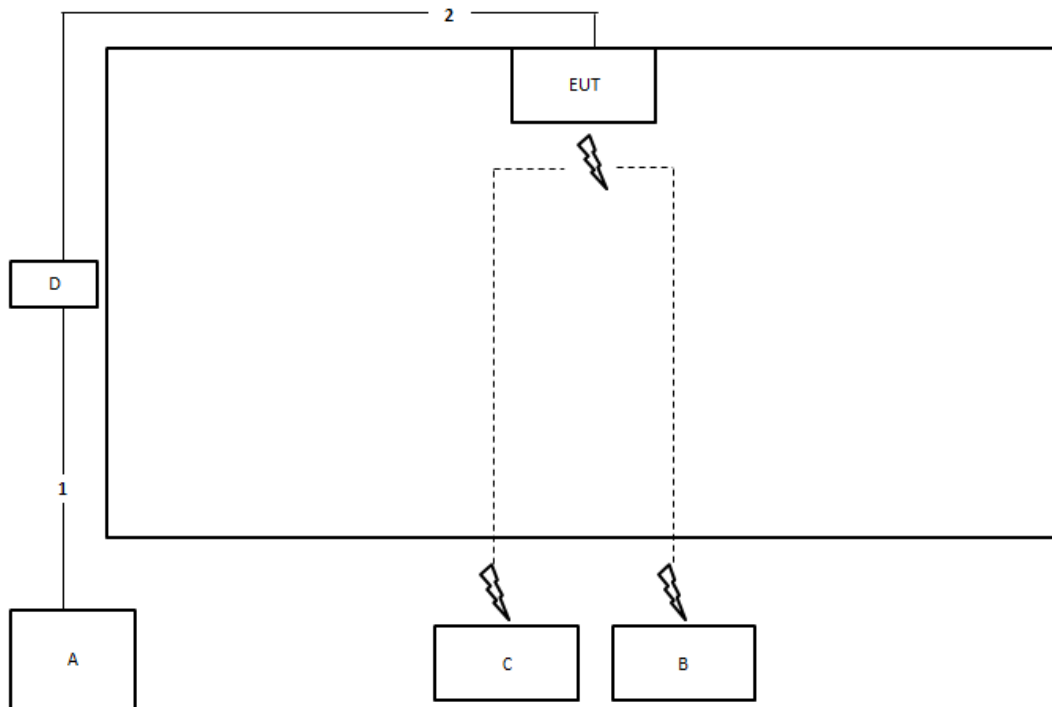
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E4300	N/A
B	2.4G NB	DELL	E4300	N/A
C	5G NB	DELL	E4300	N/A
D	PoE	Cambium	NET-P15-56IN	N/A

For Radiated (above 1GHz) and RF Conducted:

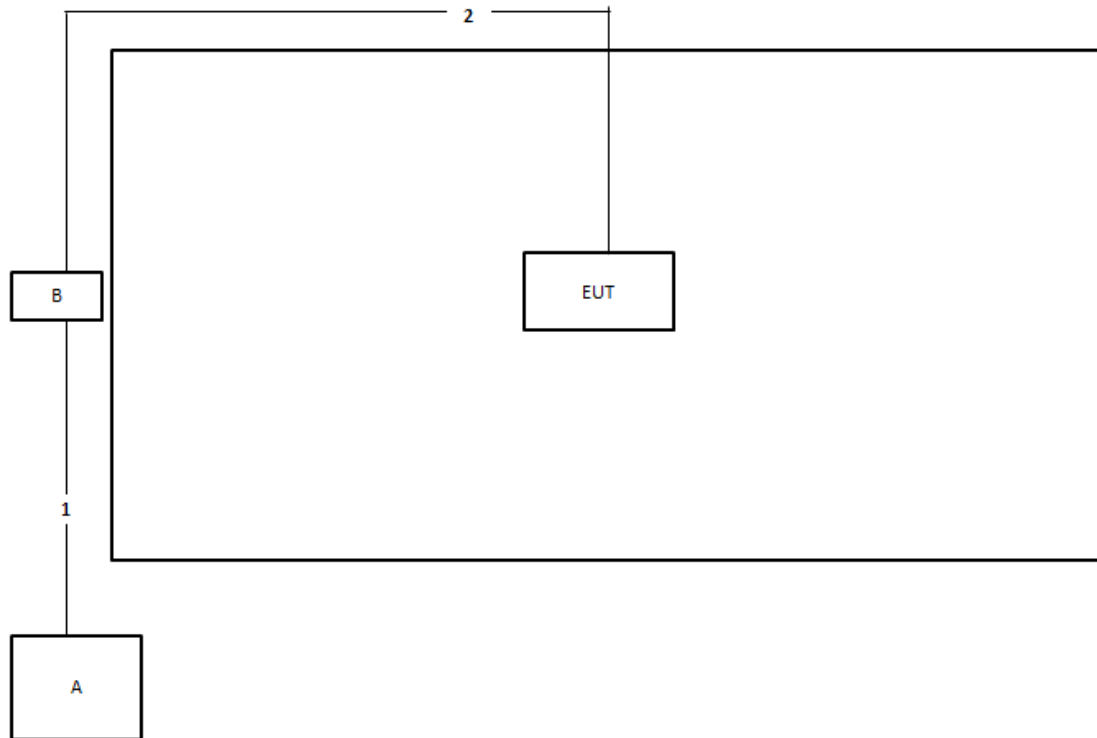
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	Cambium	NET-P15-56IN	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


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

Test Setup Diagram - Radiated Test > 1GHz


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

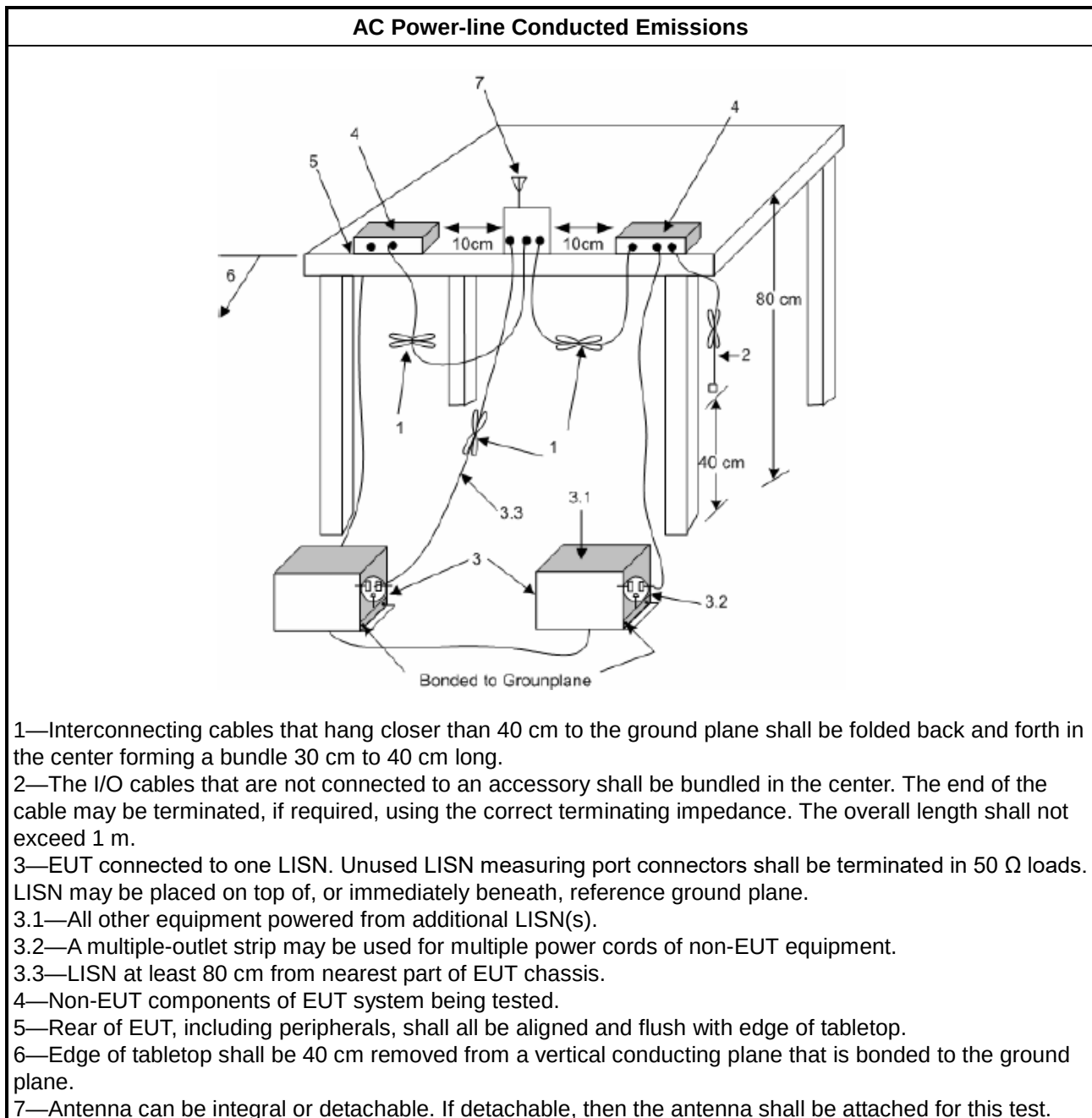
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A



3.2 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 $11 \text{ dBm} + 10 \log B$, 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 $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth $\geq 500\text{kHz}$.
☐	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth $\geq 500\text{kHz}$.
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 $\geq 500\text{kHz}$.

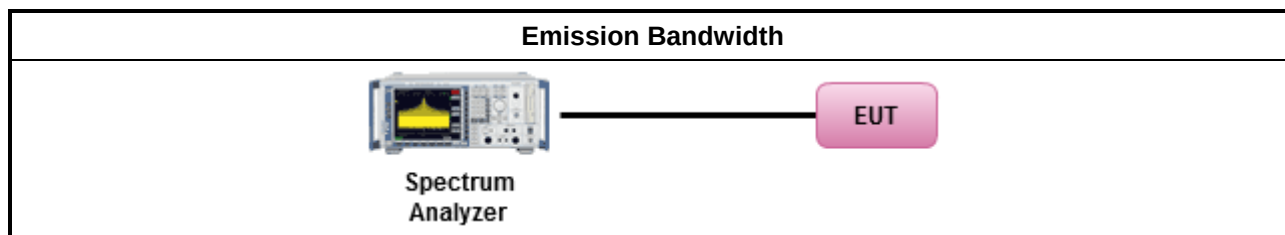
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033 D02, 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.

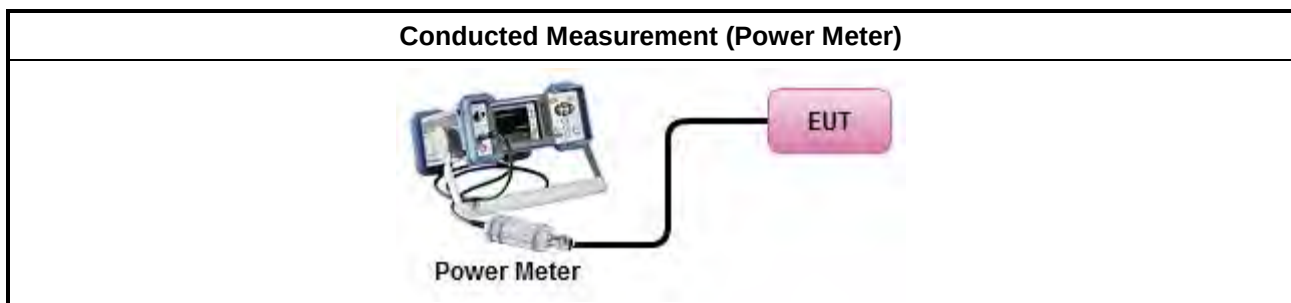
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
	Average over on/off periods with duty factor
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, 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]) $EIRP_{total} = P_{total} + DG$
☐	For radiated measurement.
	- Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" - Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. - Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup



3.3.5 Test Result of 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

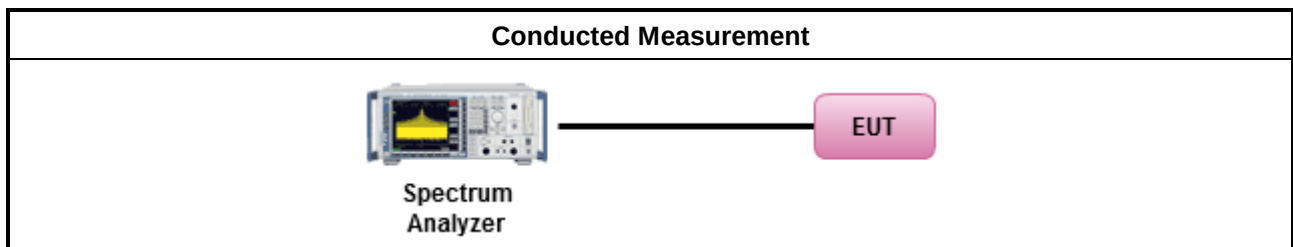
Refer a test equipment and calibration data table in this test report.

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 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, 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])	

Test Method	
	$EIRP_{total} = PPSD_{total} + DG$
☐	For radiated measurement.
	Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 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

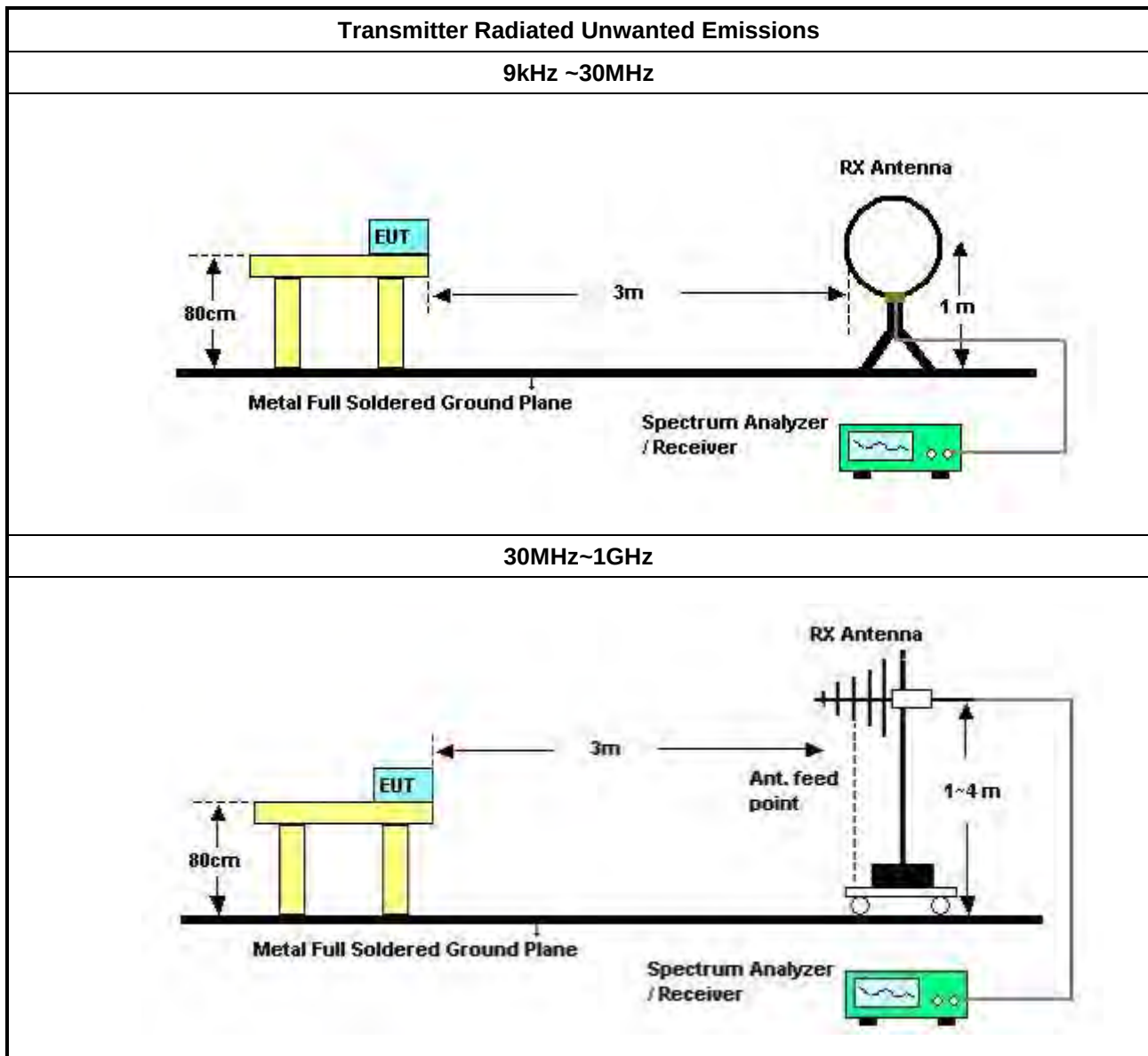
Refer a test equipment and calibration data table in this test report.

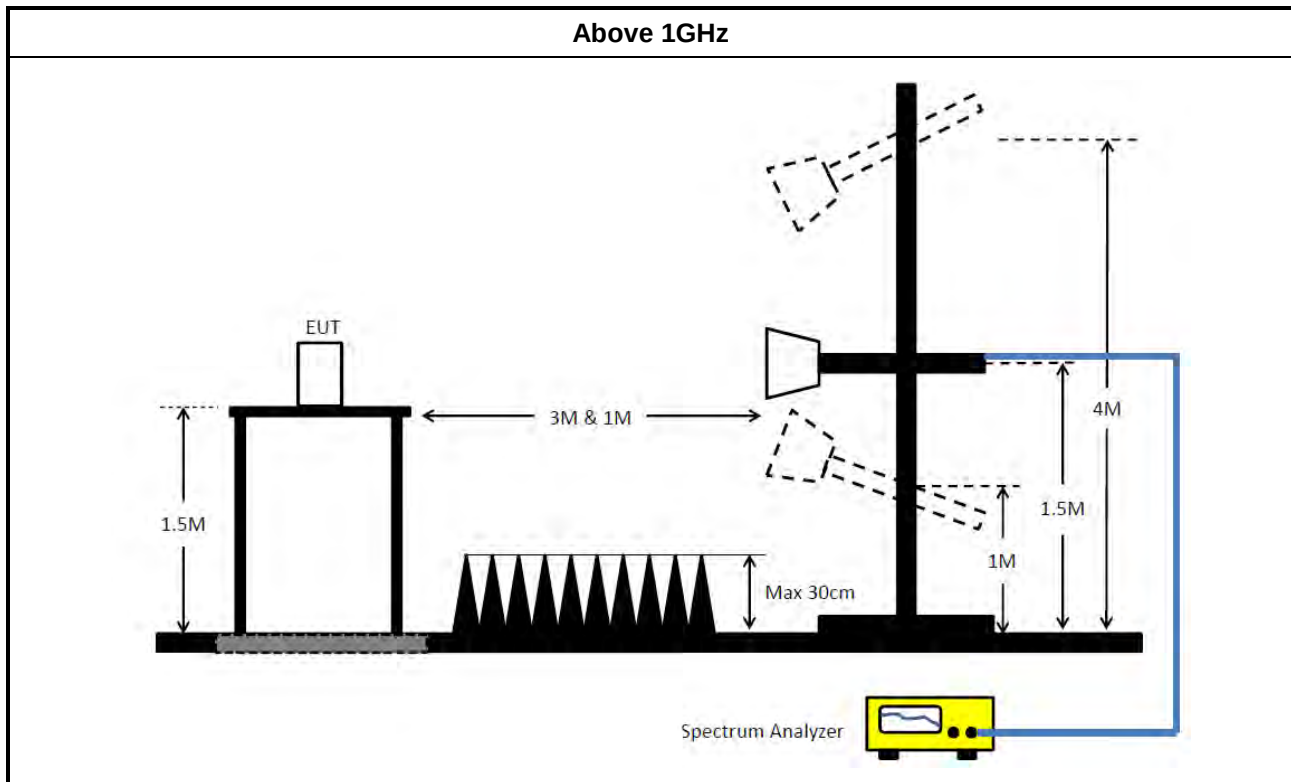


3.5.3 Test Procedures

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 D02, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033 D02, 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 D02, 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 ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-1 6-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 18, 2022	May 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 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. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV3044	101321	9kHz ~ 44GHz	Jun. 13, 2022	Jun. 12, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	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)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P1	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P2	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P3	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P4	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P5	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 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.

NCR means Non-Calibration required.



Conducted Emissions at Powerline

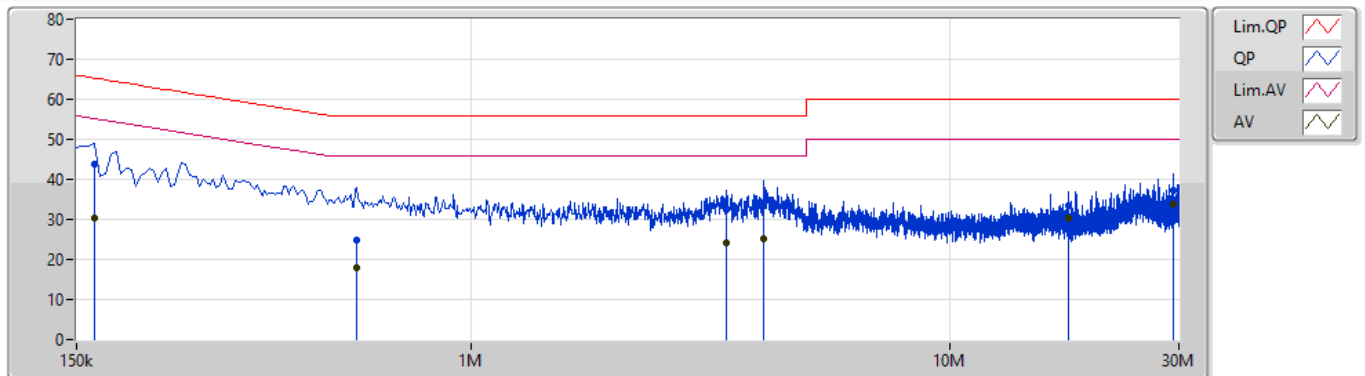
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	213k	44.08	53.09	-9.01	Neutral

Mode 1

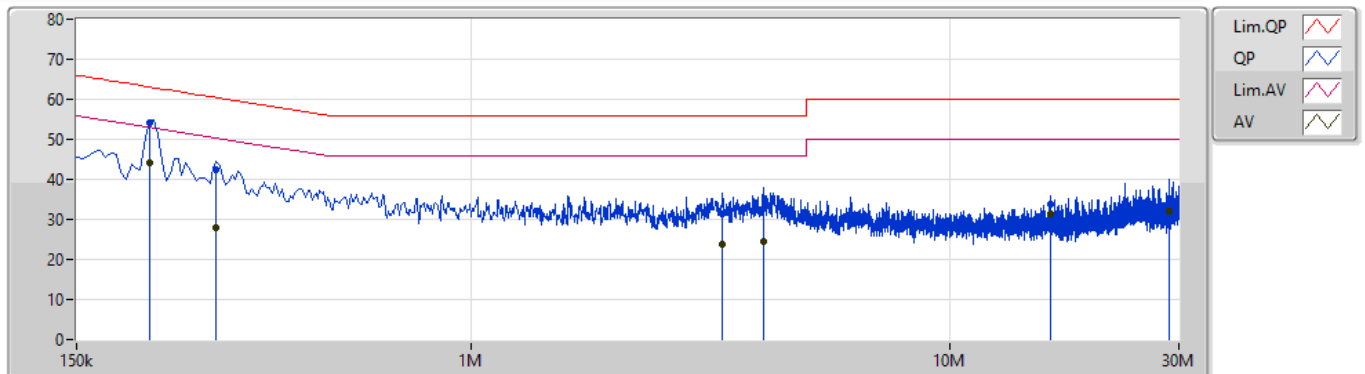
17/06/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	163.5k	43.77	65.27	-21.50	9.99	Line	-	33.78	0.06	0.04	9.89			
AV	163.5k	30.47	55.27	-24.80	9.99	Line	-	20.48	0.06	0.04	9.89			
QP	577.5k	24.72	56.00	-31.28	10.00	Line	-	14.72	0.06	0.05	9.89			
AV	577.5k	18.07	46.00	-27.93	10.00	Line	-	8.07	0.06	0.05	9.89			
QP	3.413M	32.32	56.00	-23.68	10.10	Line	-	22.22	0.11	0.10	9.89			
AV	3.413M	24.20	46.00	-21.80	10.10	Line	-	14.10	0.11	0.10	9.89			
QP	4.088M	33.60	56.00	-22.40	10.11	Line	-	23.49	0.12	0.10	9.89			
AV	4.088M	25.18	46.00	-20.82	10.11	Line	-	15.07	0.12	0.10	9.89			
QP	17.696M	33.61	60.00	-26.39	10.44	Line	-	23.17	0.29	0.20	9.95			
AV	17.696M	30.27	50.00	-19.73	10.44	Line	-	19.83	0.29	0.20	9.95			
QP	29.238M	37.10	60.00	-22.90	10.73	Line	-	26.37	0.39	0.33	10.01			
AV	29.238M	33.85	50.00	-16.15	10.73	Line	"Worst"	23.12	0.39	0.33	10.01			

Mode 1

17/06/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	213k	54.06	63.09	-9.03	10.00	Neutral	-	44.06	0.07	0.04	9.89			
AV	213k	44.08	53.09	-9.01	10.00	Neutral	"Worst"	34.08	0.07	0.04	9.89			
QP	294k	42.57	60.42	-17.85	10.01	Neutral	-	32.56	0.07	0.05	9.89			
AV	294k	28.02	50.42	-22.40	10.01	Neutral	-	18.01	0.07	0.05	9.89			
QP	3.341M	31.52	56.00	-24.48	10.11	Neutral	-	21.41	0.12	0.10	9.89			
AV	3.341M	23.78	46.00	-22.22	10.11	Neutral	-	13.67	0.12	0.10	9.89			
QP	4.079M	32.82	56.00	-23.18	10.12	Neutral	-	22.70	0.13	0.10	9.89			
AV	4.079M	24.46	46.00	-21.54	10.12	Neutral	-	14.34	0.13	0.10	9.89			
QP	16.229M	33.63	60.00	-26.37	10.41	Neutral	-	23.22	0.28	0.18	9.95			
AV	16.229M	31.24	50.00	-18.76	10.41	Neutral	-	20.83	0.28	0.18	9.95			
QP	28.689M	35.12	60.00	-24.88	10.65	Neutral	-	24.47	0.31	0.33	10.01			
AV	28.689M	32.07	50.00	-17.93	10.65	Neutral	-	21.42	0.31	0.33	10.01			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.58M	16.432M	16M4D1D	20.16M	16.432M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.57M	18.921M	18M9D1D	20.97M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.92M	37.901M	37M9D1D	40.56M	37.841M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.44M	77.241M	77M2D1D	81.96M	77.241M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.32M	16.462M	16M5D1D	15.3M	16.372M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.63M	18.981M	19M0D1D	17.52M	18.921M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.98M	37.901M	37M9D1D	37.08M	37.841M
802.11ax HEW80_Nss1,(MCS0)_2TX	77.88M	77.361M	77M4D1D	75.24M	77.361M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

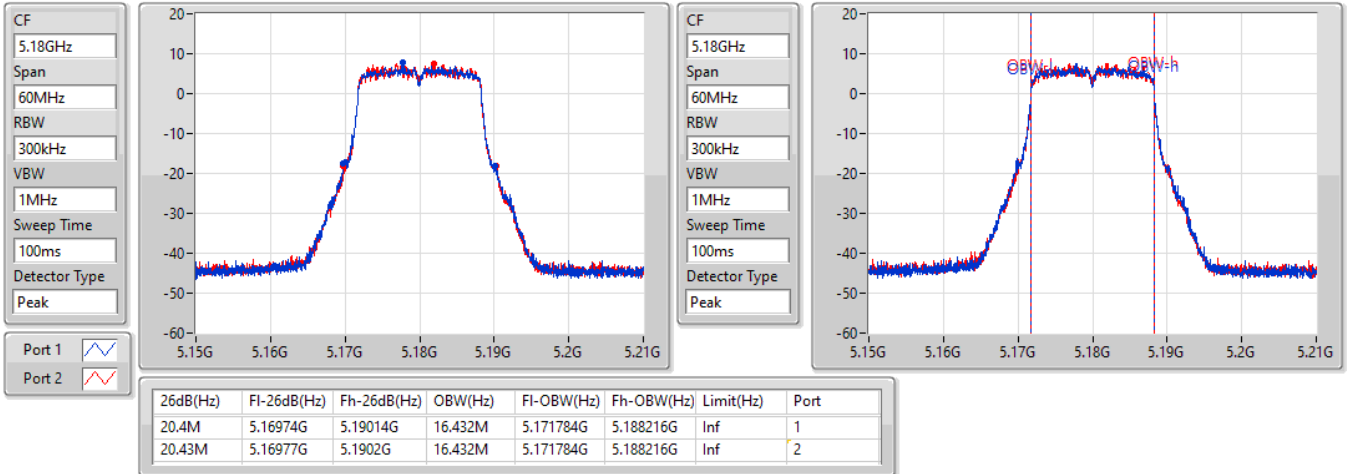
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.4M	16.432M	20.43M	16.432M
5200MHz	Pass	Inf	20.37M	16.432M	20.16M	16.432M
5240MHz	Pass	Inf	20.58M	16.432M	20.31M	16.432M
5745MHz	Pass	500k	16.29M	16.462M	16.32M	16.402M
5785MHz	Pass	500k	16.05M	16.432M	15.3M	16.372M
5825MHz	Pass	500k	16.29M	16.432M	15.87M	16.432M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.57M	18.921M	21.18M	18.891M
5200MHz	Pass	Inf	21.24M	18.921M	20.97M	18.921M
5240MHz	Pass	Inf	21.18M	18.921M	21.36M	18.921M
5745MHz	Pass	500k	18.63M	18.921M	18.15M	18.981M
5785MHz	Pass	500k	18.18M	18.921M	18.36M	18.981M
5825MHz	Pass	500k	18.48M	18.921M	17.52M	18.981M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.56M	37.901M	40.62M	37.841M
5230MHz	Pass	Inf	40.74M	37.841M	40.92M	37.901M
5755MHz	Pass	500k	37.08M	37.841M	37.98M	37.901M
5795MHz	Pass	500k	37.74M	37.841M	37.8M	37.901M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.44M	77.241M	81.96M	77.241M
5775MHz	Pass	500k	75.24M	77.361M	77.88M	77.361M

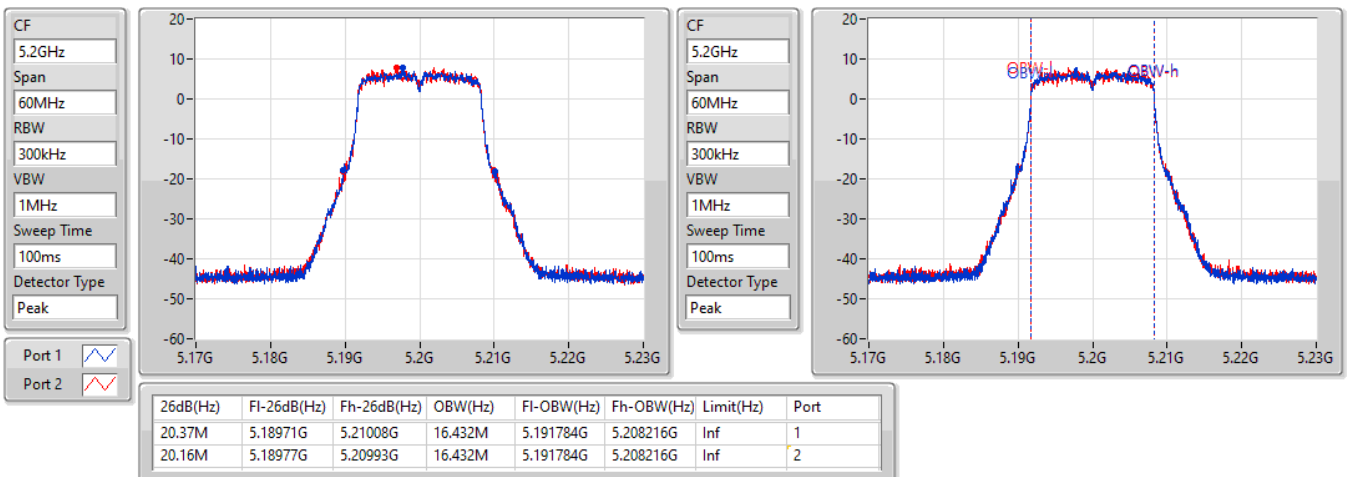
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

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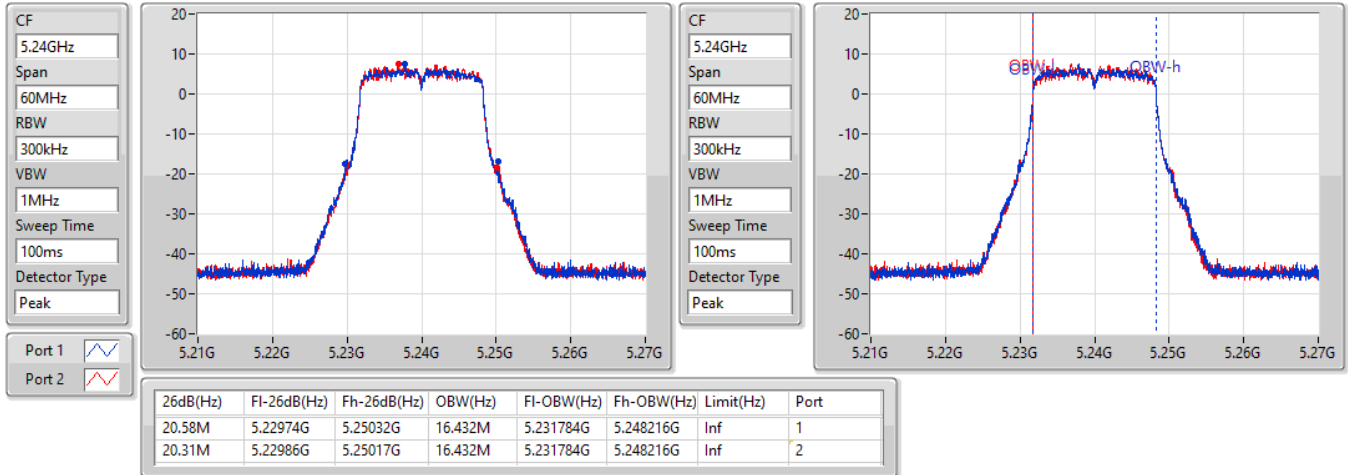

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

27/06/2022

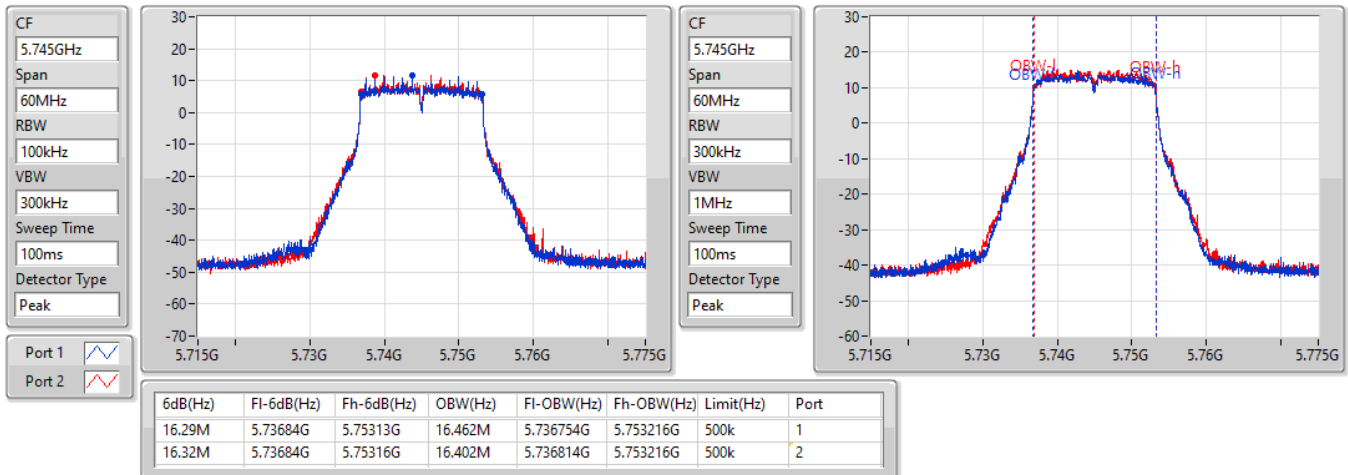


802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

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802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

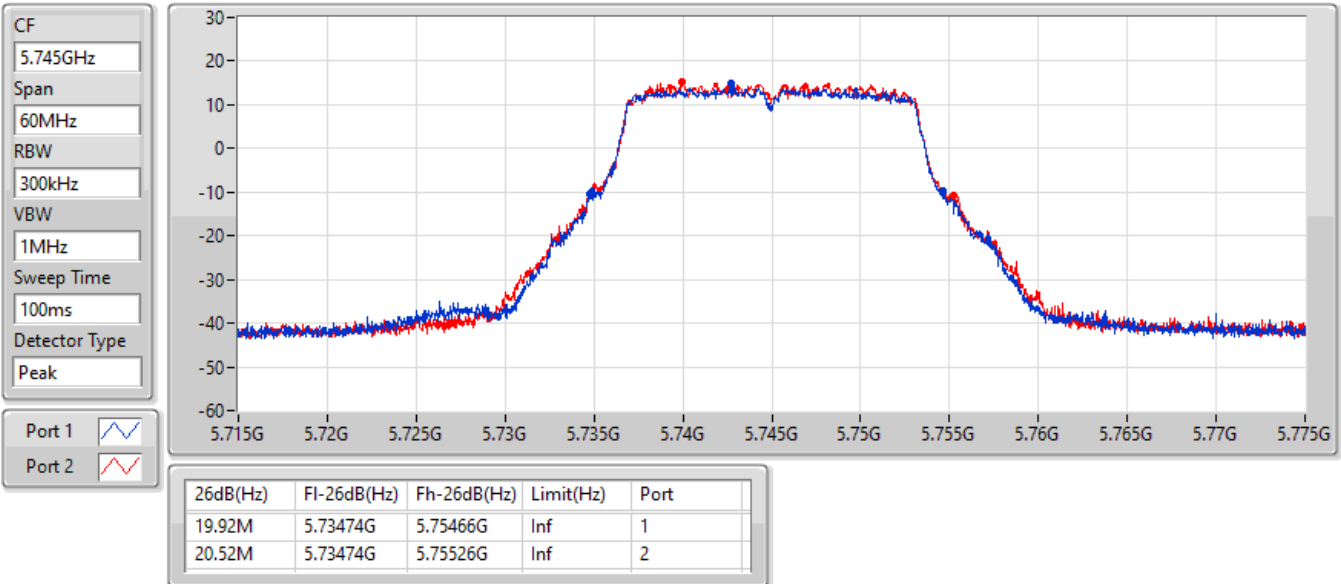
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802.11a_Nss1,(6Mbps)_2TX

EBW
5745MHz

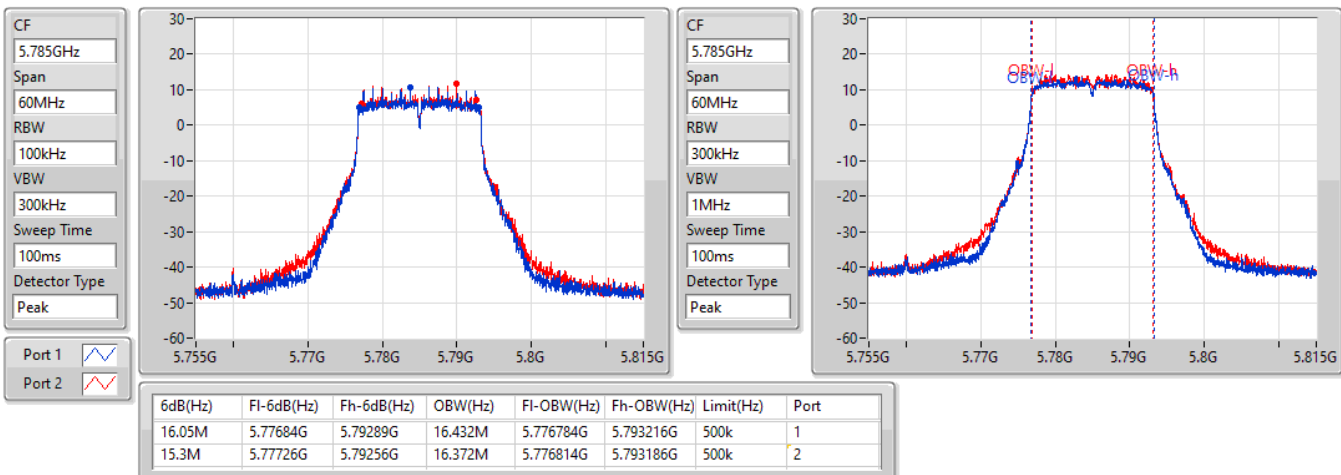
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802.11a_Nss1,(6Mbps)_2TX

EBW
5785MHz

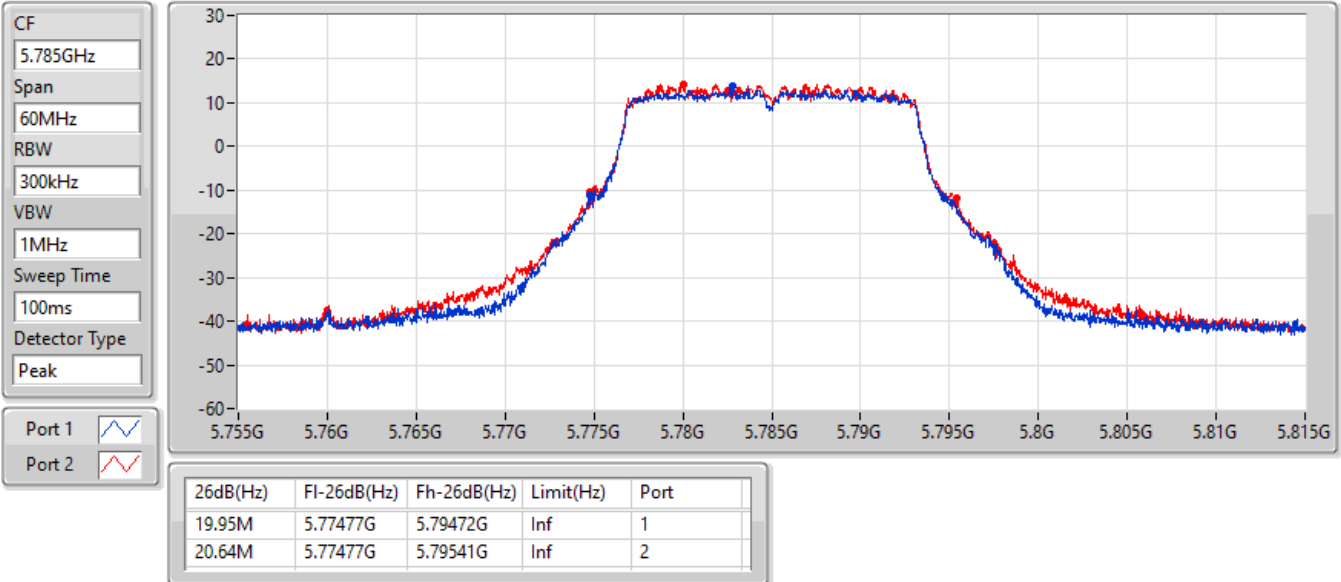
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802.11a_Nss1,(6Mbps)_2TX

EBW
5785MHz

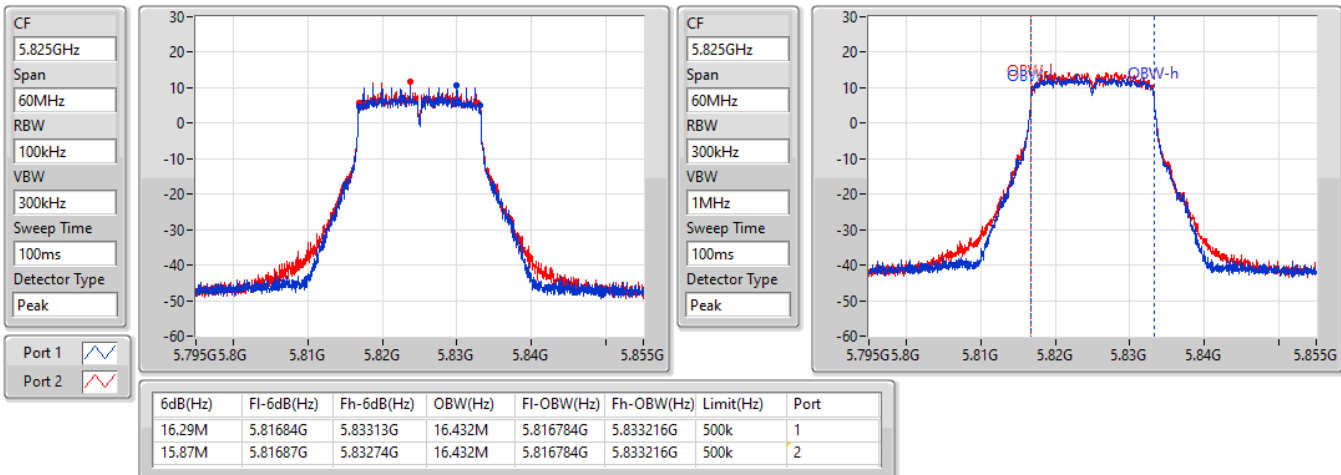
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802.11a_Nss1,(6Mbps)_2TX

EBW
5825MHz

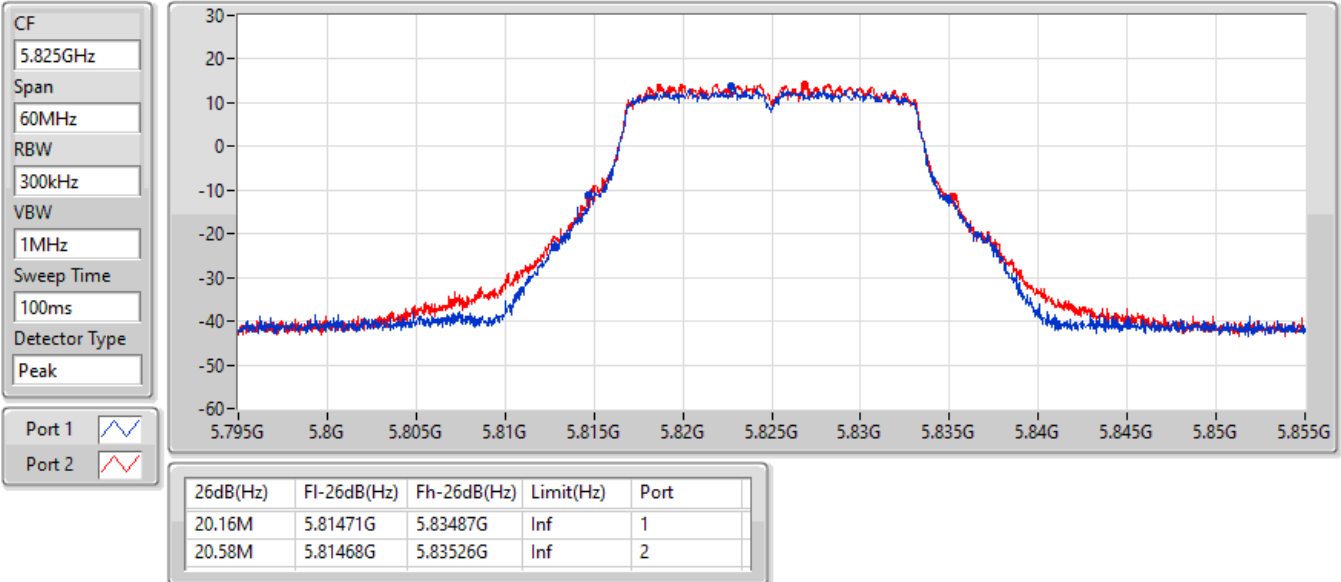
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802.11a_Nss1,(6Mbps)_2TX

EBW
5825MHz

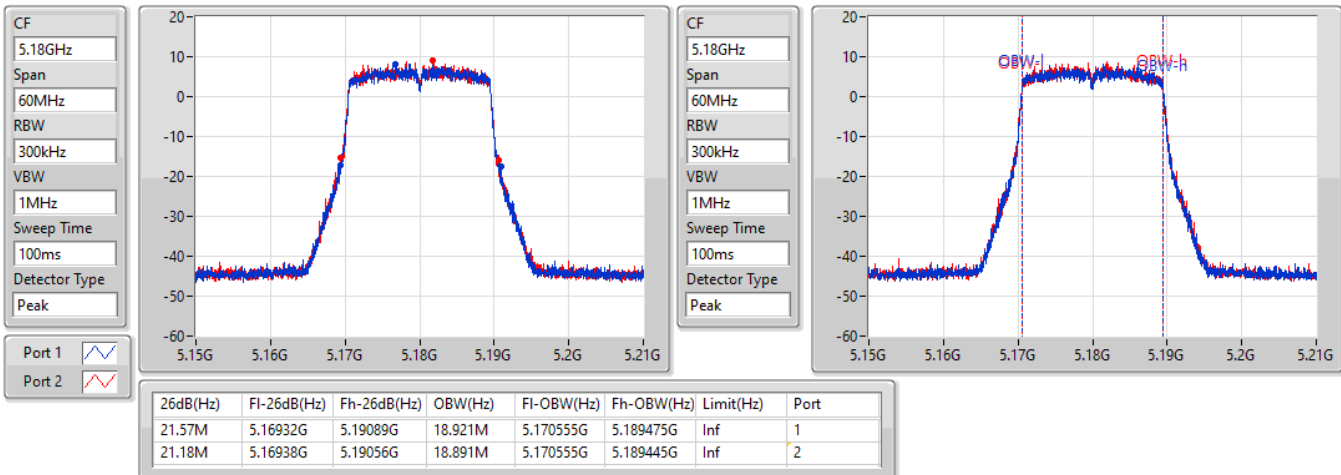
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802.11ax HEW20_Nss1,(MCS0)_2TX

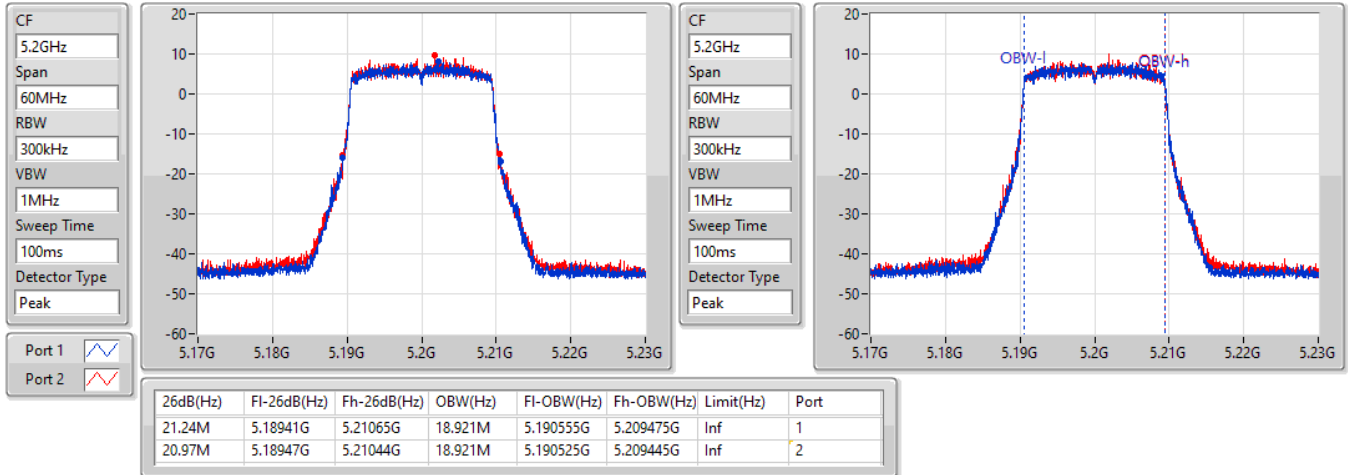
EBW
5180MHz

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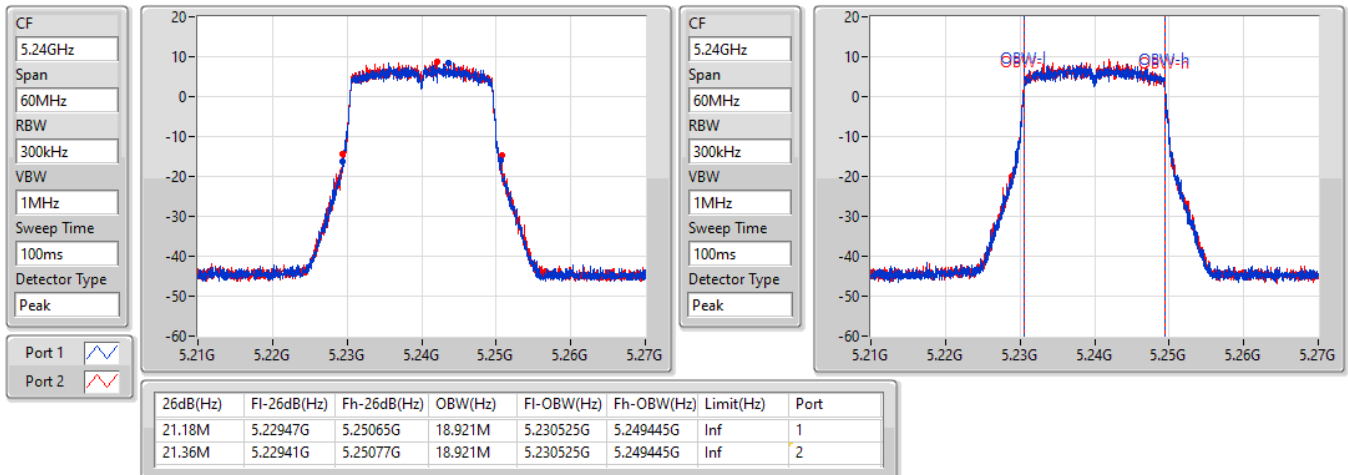


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5200MHz

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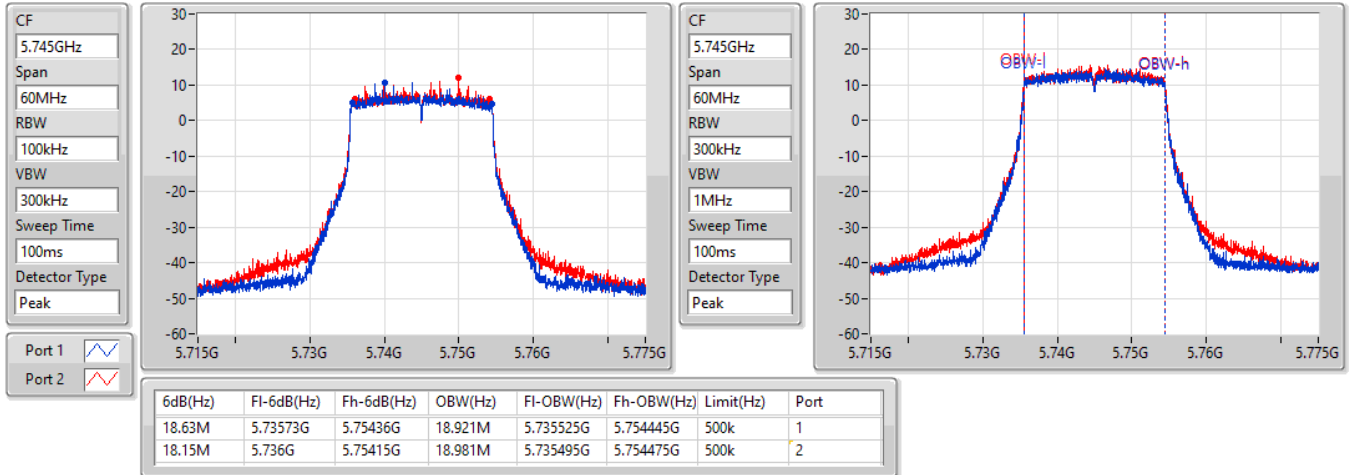

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5240MHz

27/06/2022

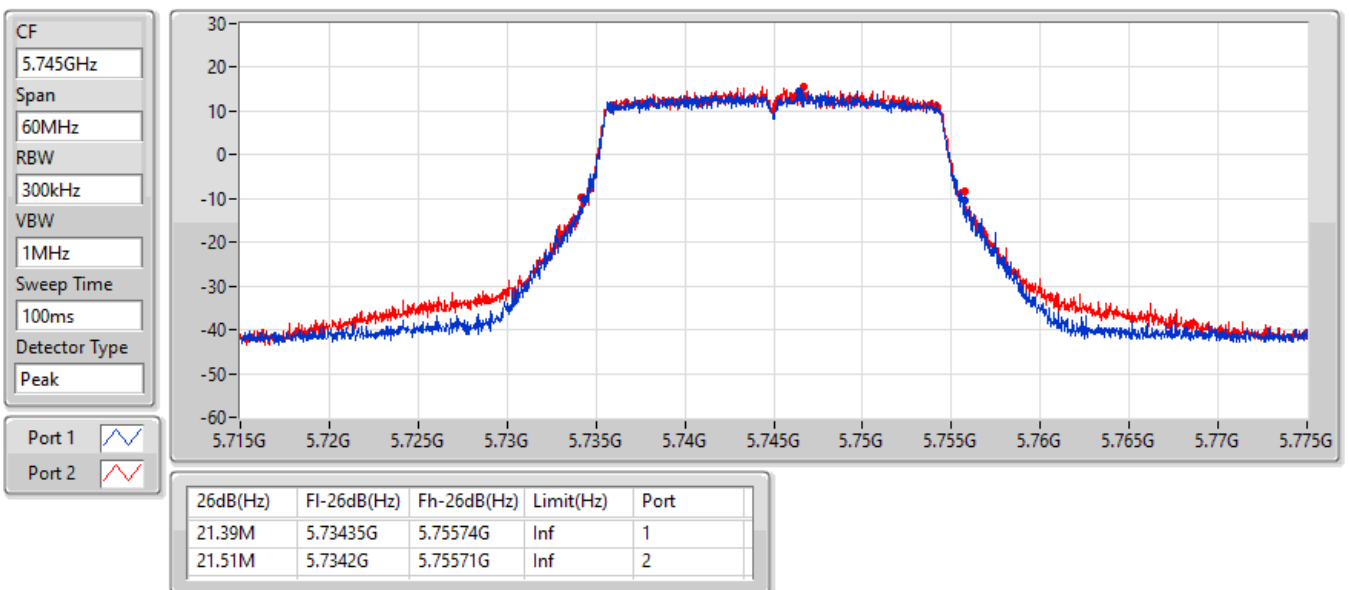


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5745MHz

27/06/2022

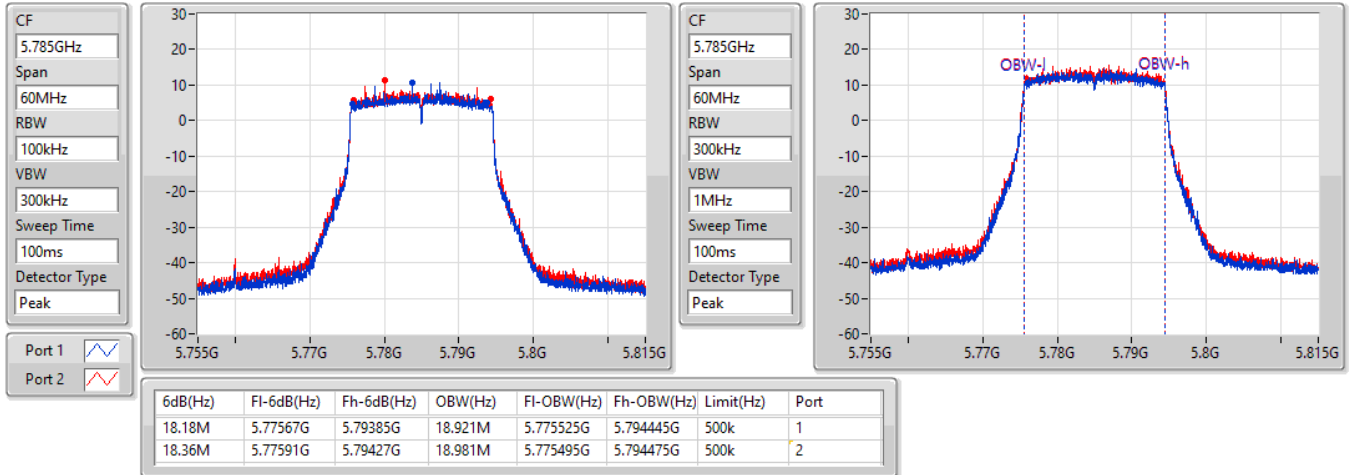

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5745MHz

27/06/2022

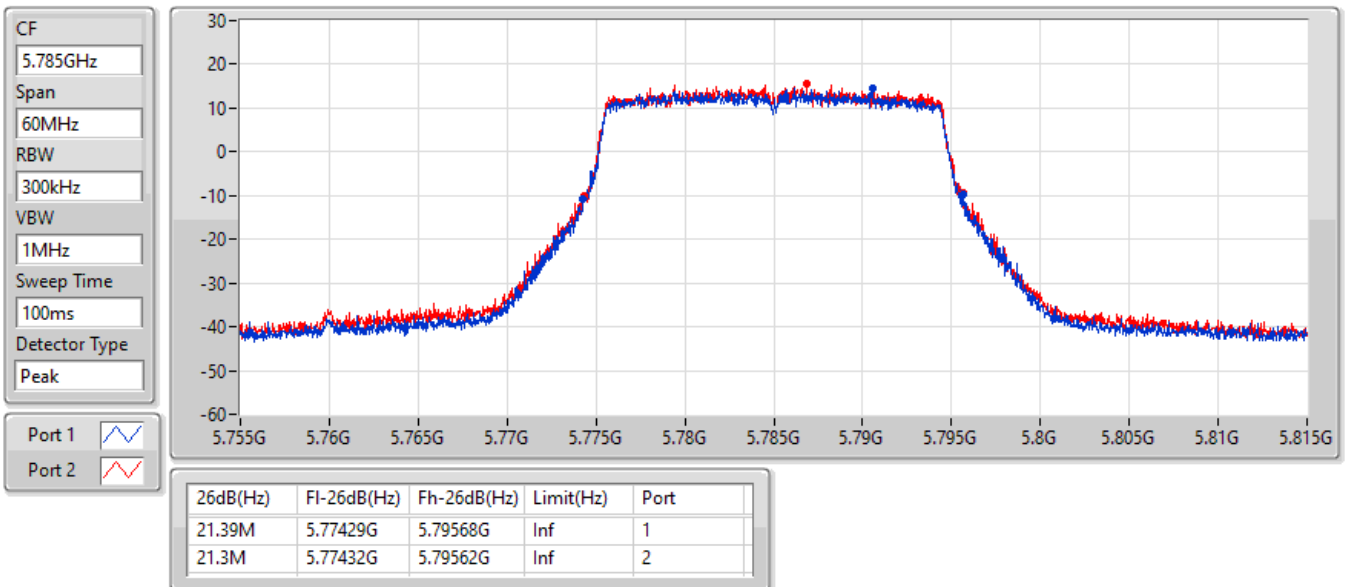


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

27/06/2022

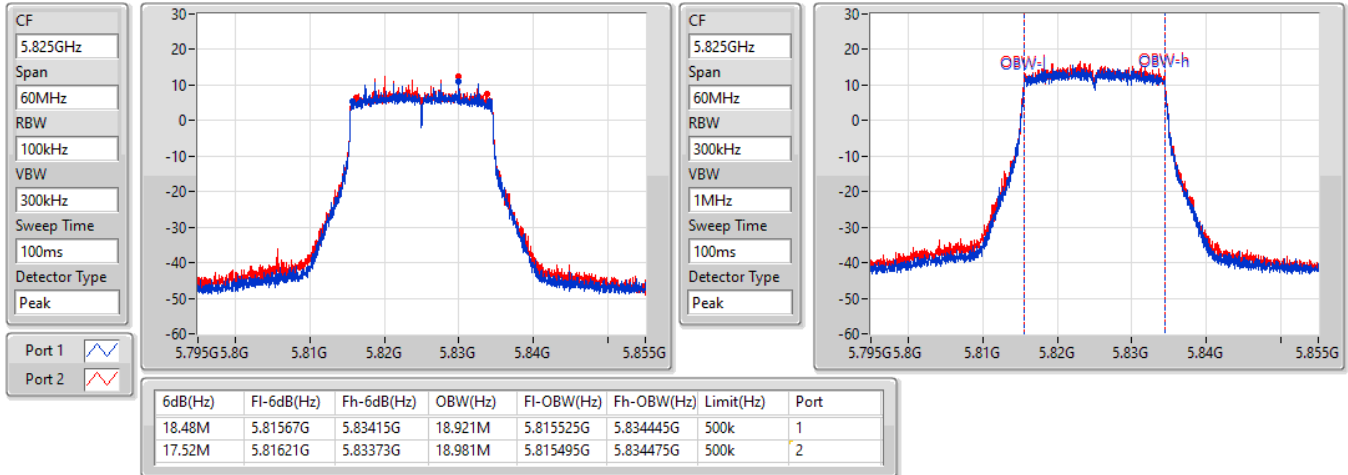

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

27/06/2022

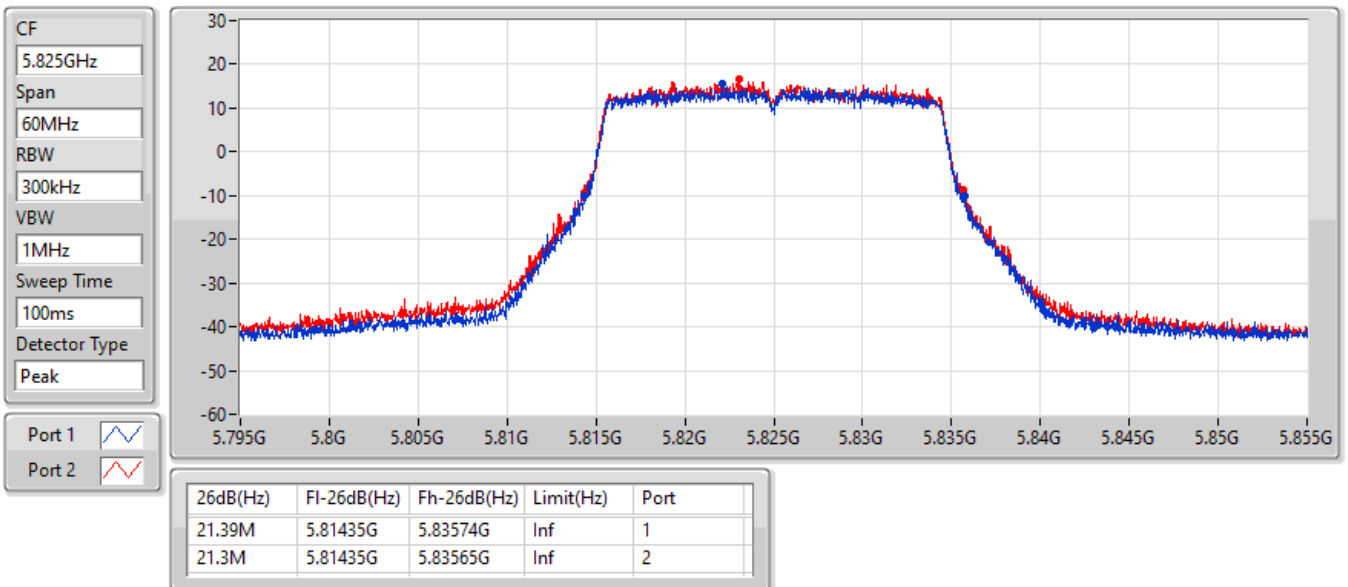


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5825MHz

27/06/2022

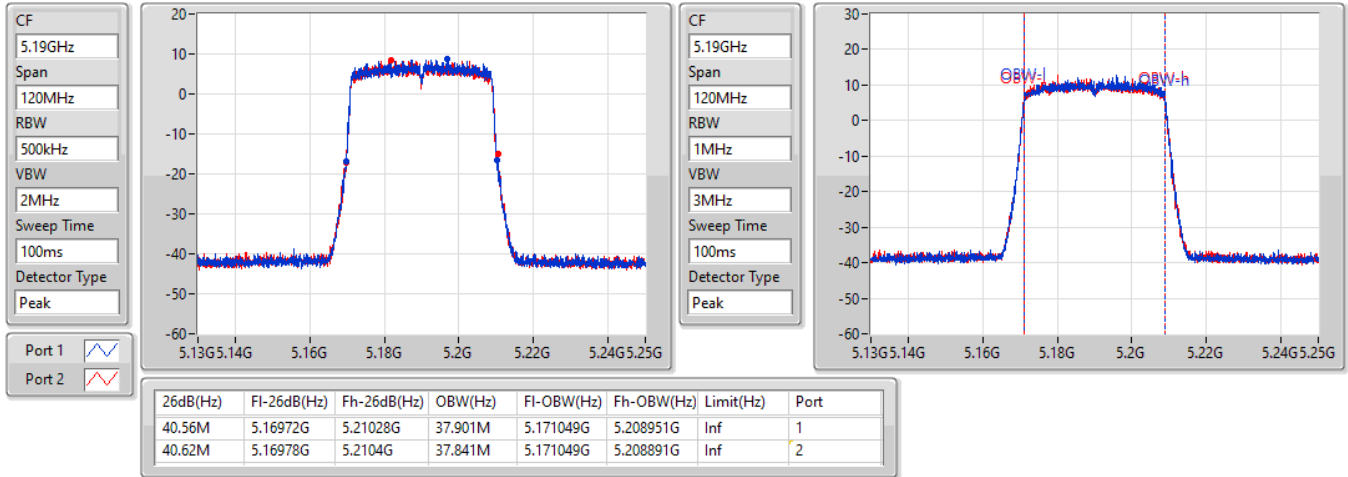

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5825MHz

27/06/2022

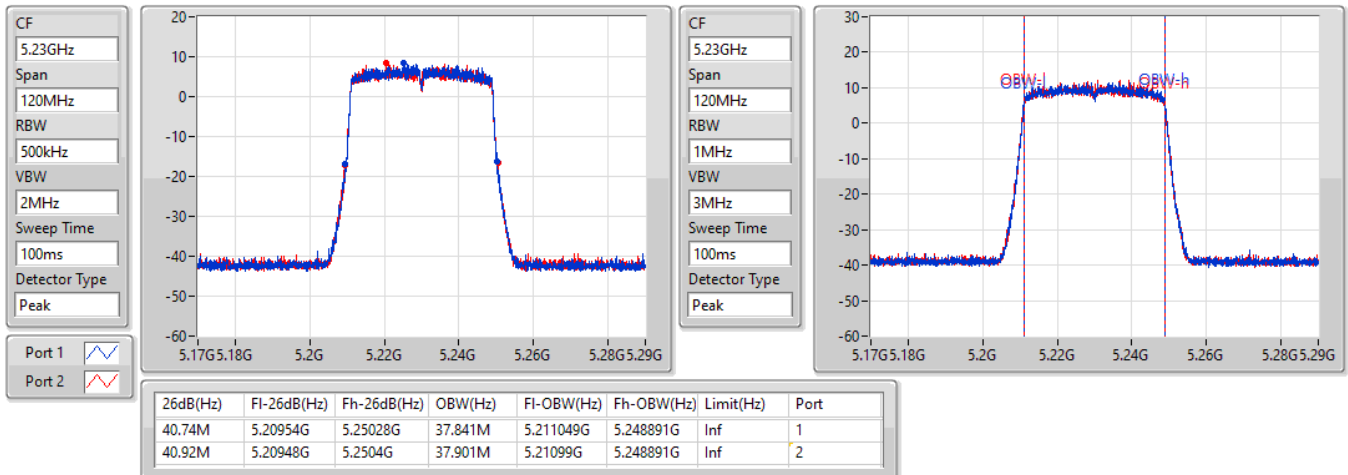


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5190MHz

27/06/2022

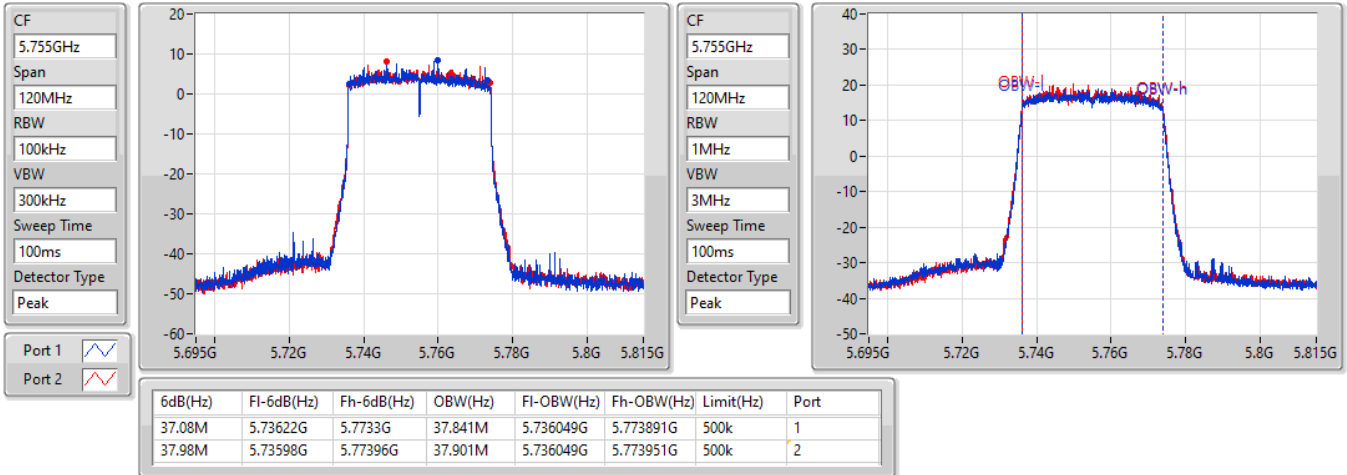

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5230MHz

27/06/2022

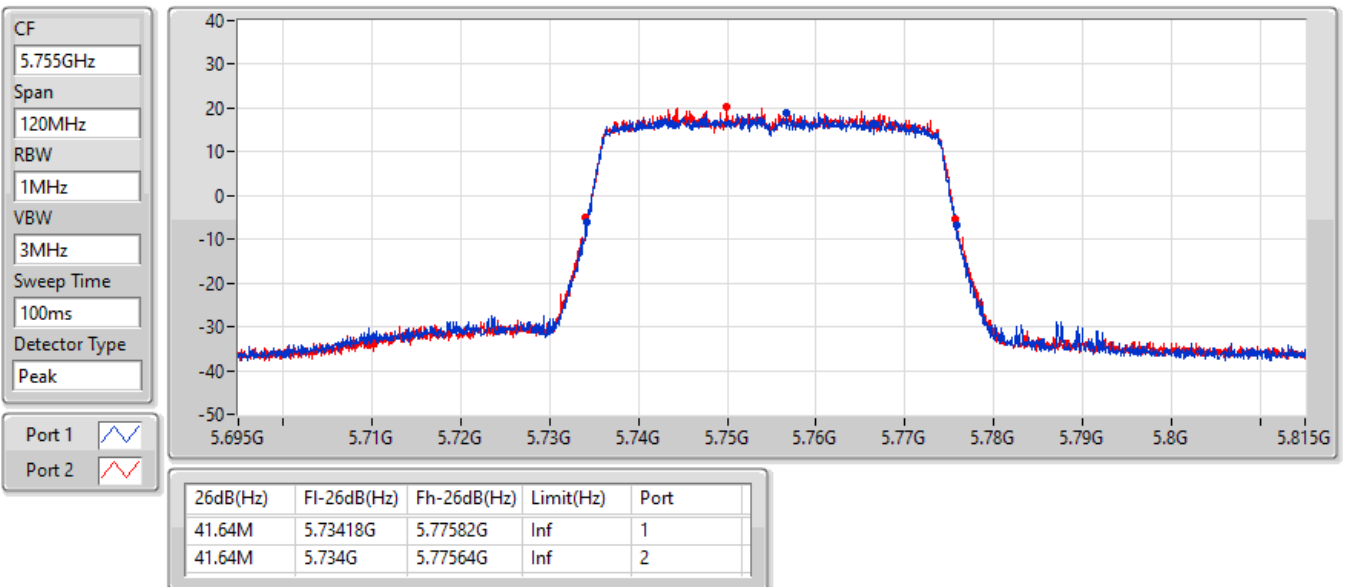


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5755MHz

27/06/2022

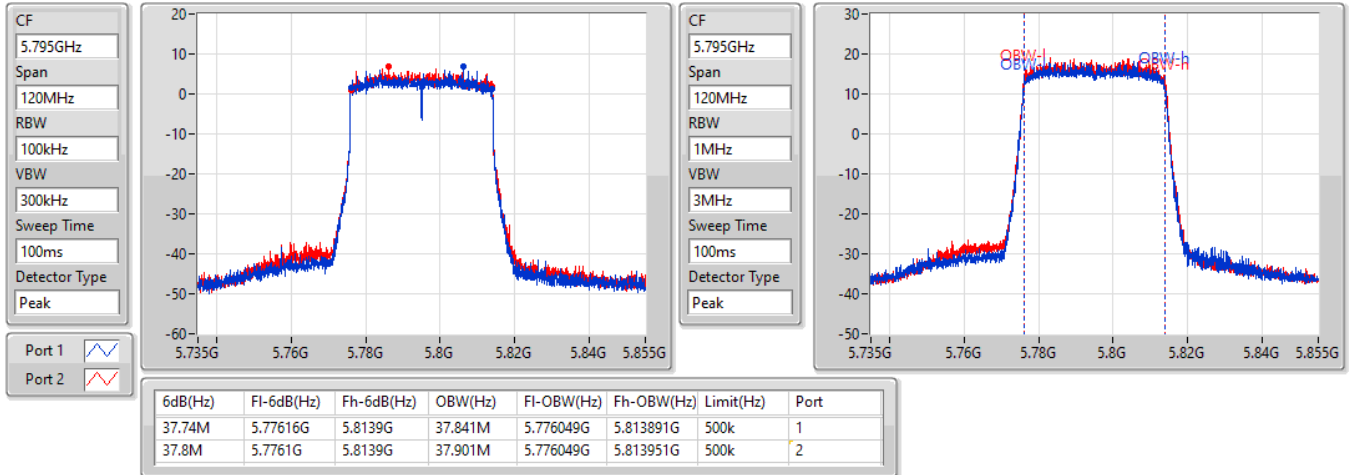

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5755MHz

27/06/2022

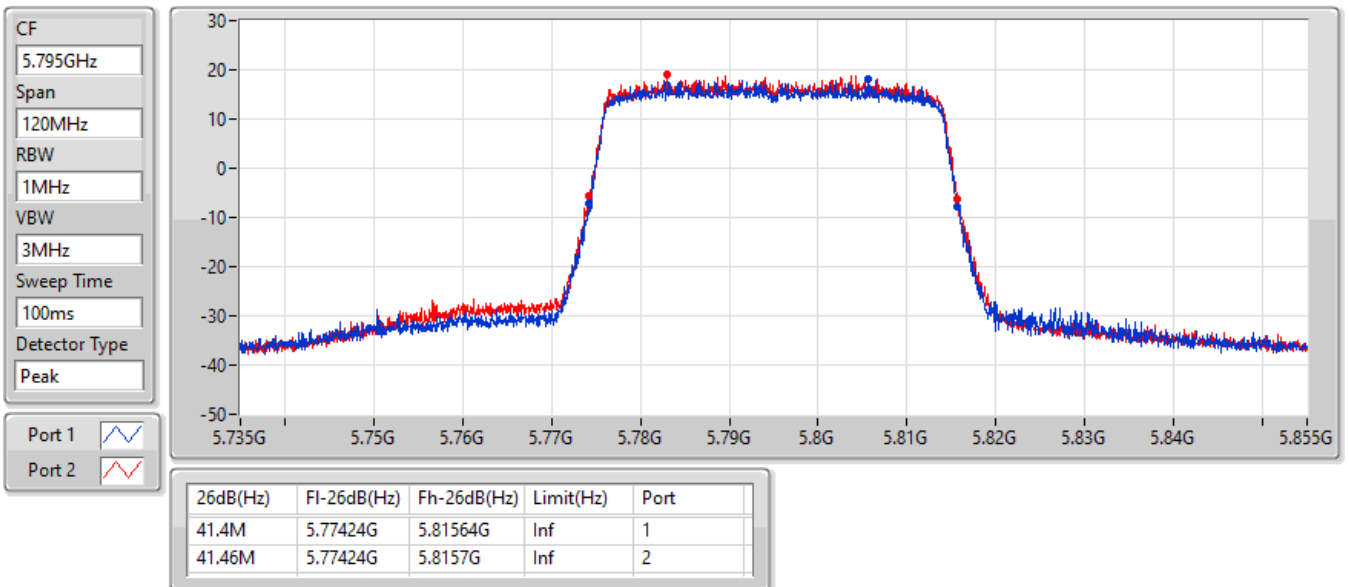


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5795MHz

27/06/2022

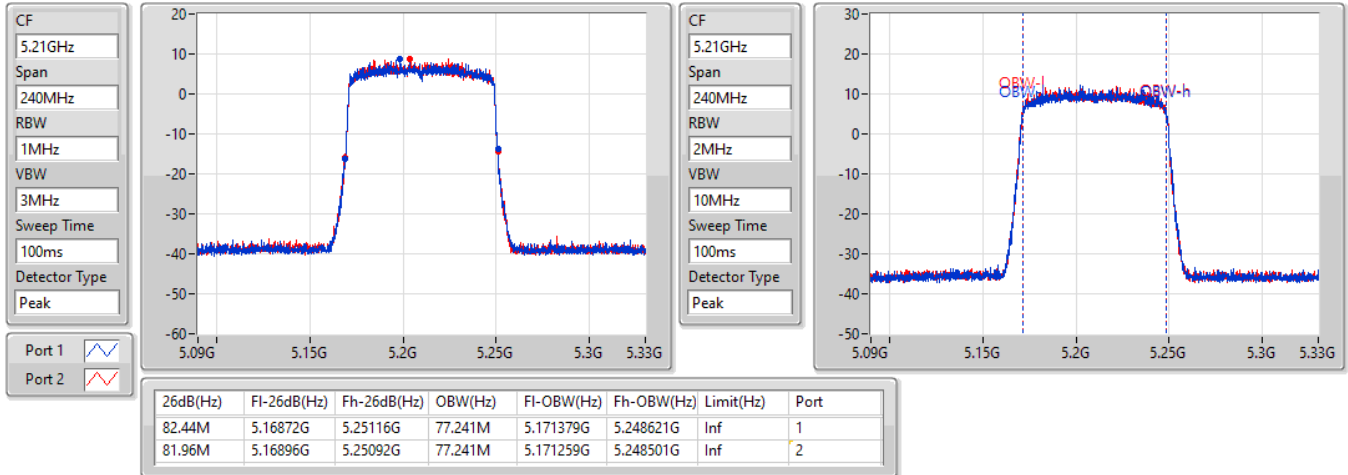

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5795MHz

27/06/2022

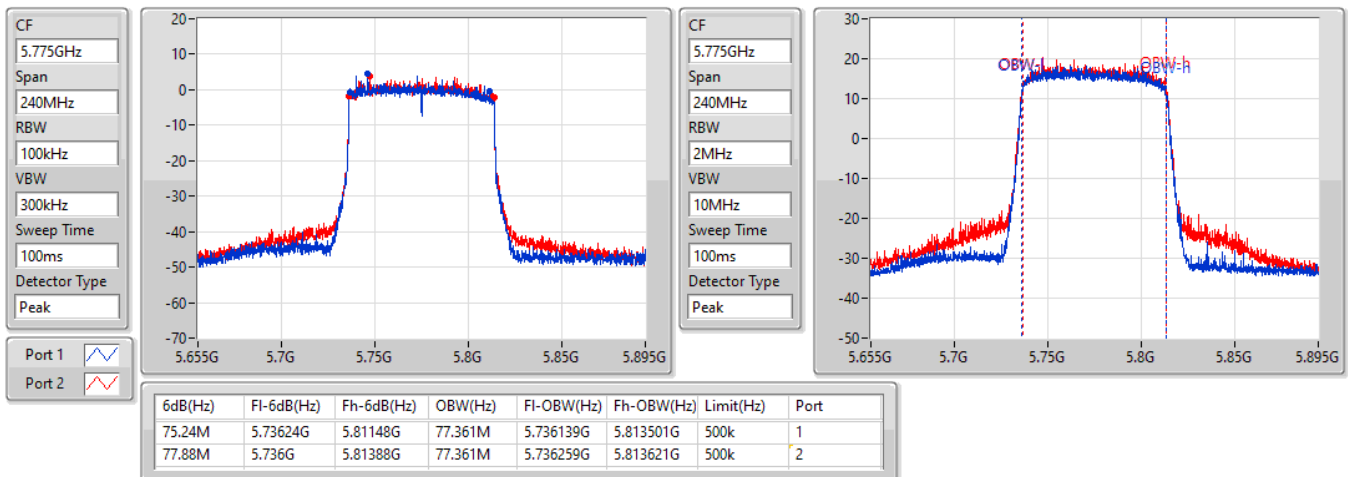


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5210MHz

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802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5775MHz

27/06/2022

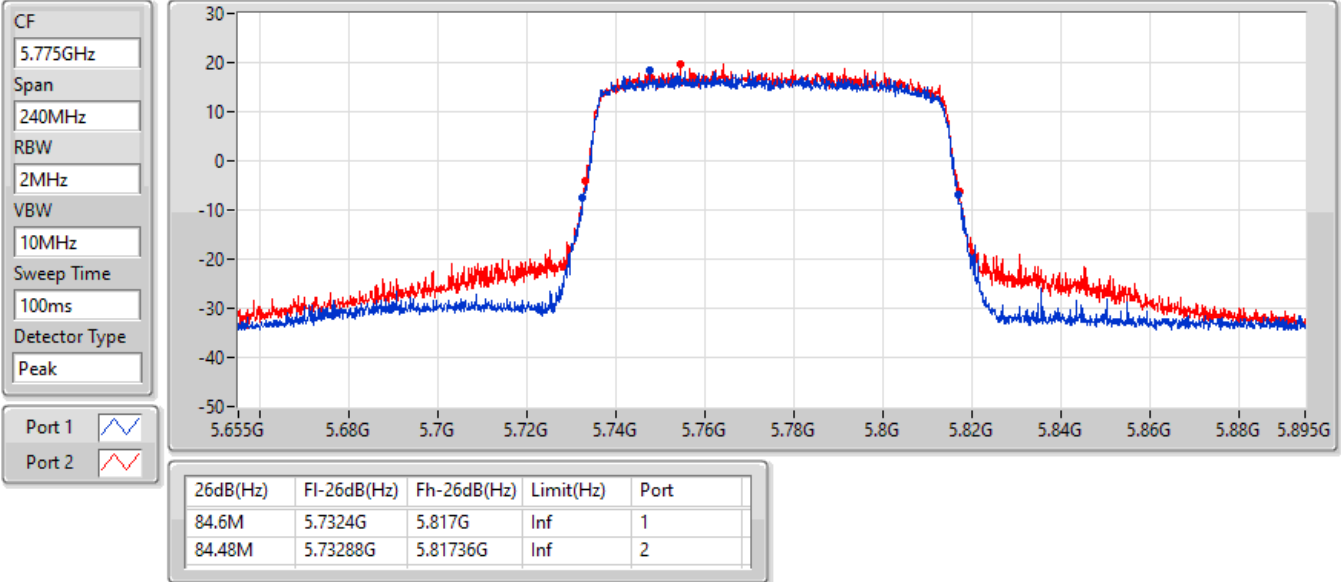


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

27/06/2022





Average Power <Non-Beamforming Mode>

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP/EIRP Elevation 30° (dBm)	EIRP / EIRP Elevation 30° (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	18.05	0.06383	29.15/20.76	0.82224/0.11912
802.11ax HEW20_Nss1,(MCS0)_2TX	17.92	0.06194	29.02/20.85	0.79799/0.12162
802.11ax HEW40_Nss1,(MCS0)_2TX	18.17	0.06561	29.27/20.93	0.84528/0.12388
802.11ax HEW80_Nss1,(MCS0)_2TX	17.53	0.05662	28.63/20.58	0.72946/0.11429
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.76	0.29923	35.76	3.76704
802.11ax HEW20_Nss1,(MCS0)_2TX	24.93	0.31117	35.93	3.91742
802.11ax HEW40_Nss1,(MCS0)_2TX	24.66	0.29242	35.66	3.68129
802.11ax HEW80_Nss1,(MCS0)_2TX	24.52	0.28314	35.52	3.56451

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / EIRP Elevation 30° (dBm)	EIRP / EIRP Elevation 30° (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	11.07	15.08	14.81	17.96	24.93	29.06/20.73	36.00/21.00
5200MHz	Pass	11.07	15.04	15.04	18.05	24.93	29.15/20.76	36.00/21.00
5240MHz	Pass	11.07	14.99	14.55	17.79	24.93	28.89/20.63	36.00/21.00
5745MHz	Pass	10.98	21.59	21.91	24.76	25.02	35.76	Inf
5785MHz	Pass	10.98	21.31	21.87	24.61	25.02	35.61	Inf
5825MHz	Pass	10.98	21.37	21.91	24.66	25.02	35.66	Inf
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	11.07	14.46	14.58	17.53	24.93	28.63/20.57	36.00/21.00
5200MHz	Pass	11.07	14.67	14.85	17.77	24.93	28.87/20.66	36.00/21.00
5240MHz	Pass	11.07	14.80	15.01	17.92	24.93	29.02/20.85	36.00/21.00
5745MHz	Pass	10.98	21.34	21.65	24.51	25.02	35.51	Inf
5785MHz	Pass	10.98	21.57	22.25	24.93	25.02	35.93	Inf
5825MHz	Pass	10.98	21.52	22.22	24.89	25.02	35.89	Inf
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	11.07	15.17	15.14	18.17	24.93	29.27/20.93	36.00/21.00
5230MHz	Pass	11.07	14.86	14.81	17.85	24.93	28.95/20.66	36.00/21.00
5755MHz	Pass	10.98	21.40	21.89	24.66	25.02	35.66	Inf
5795MHz	Pass	10.98	21.19	21.98	24.61	25.02	35.61	Inf
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	11.07	14.32	14.72	17.53	24.93	28.63/20.58	36.00/21.00
5775MHz	Pass	10.98	21.21	21.79	24.52	25.02	35.52	Inf

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP / Elevation angle higher than 30° EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	14.92	0.03105	27.70/20.78	0.58884/0.119674
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	14.92	0.03105	27.70/20.89	0.58884/0.12274
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	14.32	0.02704	27.10/20.57	0.51286/0.144025
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.11	0.20464	35.92	3.90841
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	23.01	0.19999	35.82	3.81944
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.87	0.19364	35.68	3.69828

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / Elevation angle higher than 30° EIRP (dBm)	EIRP Limit / Elevation angle higher than 30° EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.76	11.39	11.59	14.50	23.24	27.28/20.53	36.00/21.00
5200MHz	Pass	12.76	11.42	11.78	14.61	23.24	27.39/20.58	36.00/21.00
5240MHz	Pass	12.76	11.73	12.09	14.92	23.24	27.70/20.78	36.00/21.00
5745MHz	Pass	12.80	19.93	20.27	23.11	23.20	35.92	Inf
5785MHz	Pass	12.80	19.35	20.21	22.81	23.20	35.62	Inf
5825MHz	Pass	12.80	19.39	20.13	22.79	23.20	35.60	Inf
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.76	11.76	12.05	14.92	23.24	27.70/20.89	36.00/21.00
5230MHz	Pass	12.76	11.69	11.86	14.79	23.24	27.57/20.61	36.00/21.00
5755MHz	Pass	12.80	19.72	20.26	23.01	23.20	35.82	Inf
5795MHz	Pass	12.80	19.60	20.20	22.92	23.20	35.73	Inf
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.76	11.18	11.44	14.32	23.24	27.10/20.57	36.00/21.00
5775MHz	Pass	12.80	19.61	20.10	22.87	23.20	35.68	Inf

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	5.63
802.11ax HEW20_Nss1,(MCS0)_2TX	4.81
802.11ax HEW40_Nss1,(MCS0)_2TX	2.14
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.33
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.92
802.11ax HEW20_Nss1,(MCS0)_2TX	10.58
802.11ax HEW40_Nss1,(MCS0)_2TX	7.31
802.11ax HEW80_Nss1,(MCS0)_2TX	4.07

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	12.76	2.62	2.39	5.50	10.24
5200MHz	Pass	12.76	2.80	2.57	5.63	10.24
5240MHz	Pass	12.76	2.36	2.22	5.23	10.24
5745MHz	Pass	12.80	7.70	8.30	10.89	23.20
5785MHz	Pass	12.80	7.37	8.28	10.77	23.20
5825MHz	Pass	12.80	7.40	8.44	10.92	23.20
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	12.76	1.48	1.59	4.48	10.24
5200MHz	Pass	12.76	1.58	1.81	4.63	10.24
5240MHz	Pass	12.76	1.66	2.08	4.81	10.24
5745MHz	Pass	12.80	6.70	7.36	9.92	23.20
5785MHz	Pass	12.80	7.02	8.07	10.58	23.20
5825MHz	Pass	12.80	7.05	8.05	10.50	23.20
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	12.76	-0.67	-0.75	2.14	10.24
5230MHz	Pass	12.76	-1.00	-1.08	1.91	10.24
5755MHz	Pass	12.80	4.26	4.55	7.31	23.20
5795MHz	Pass	12.80	3.80	4.73	7.22	23.20
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	12.76	-4.51	-4.13	-1.33	10.24
5775MHz	Pass	12.80	0.80	1.58	4.07	23.20

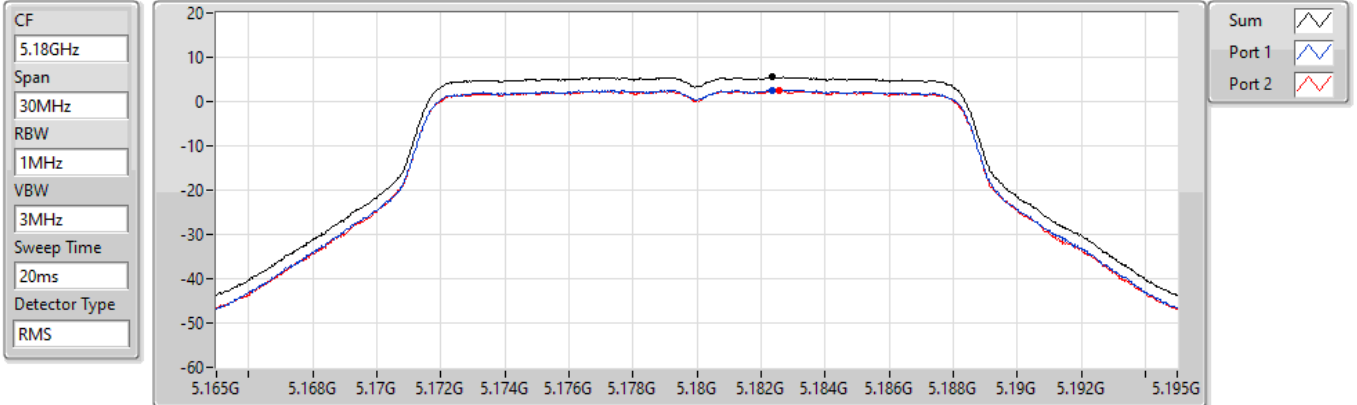
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

27/06/2022



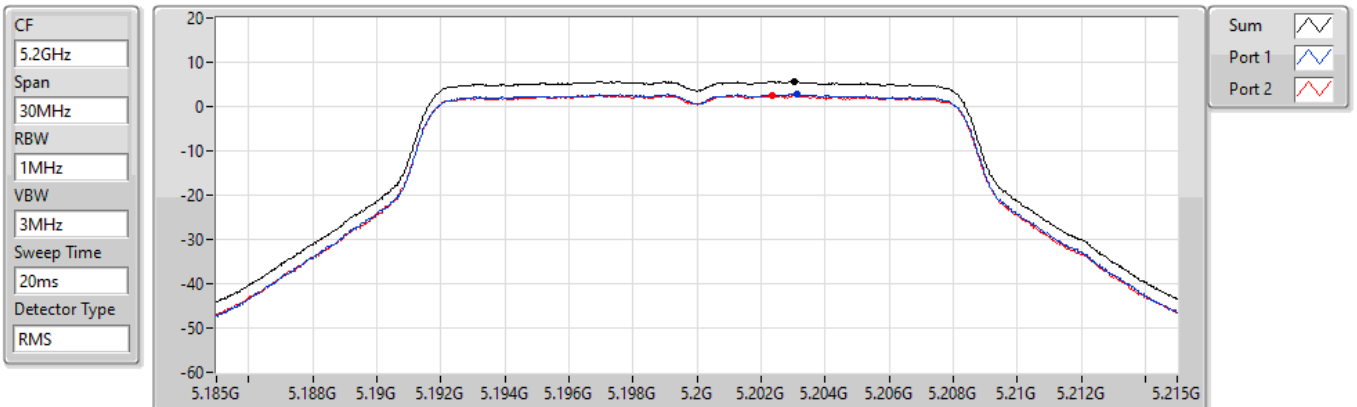
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.50	5.50	2.62	2.39

802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

27/06/2022



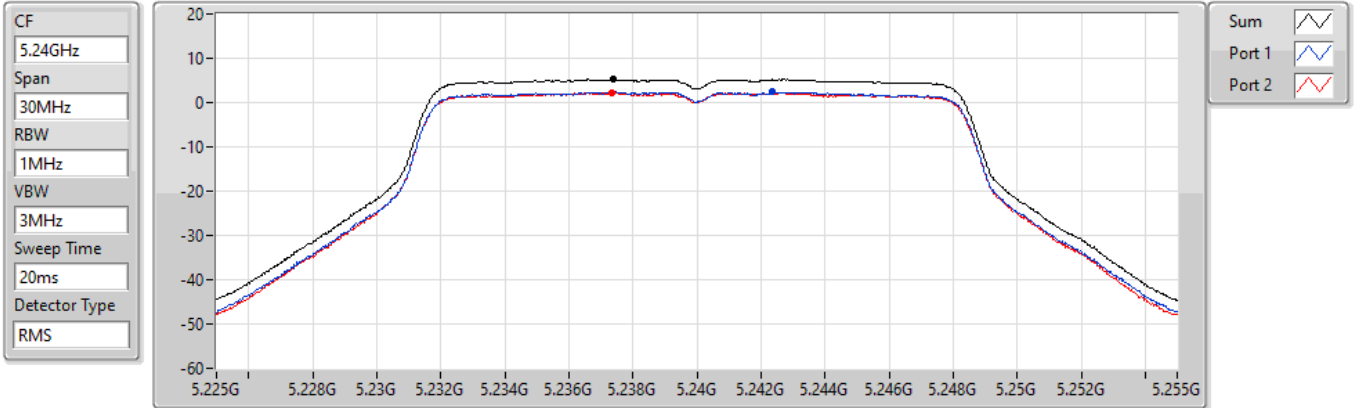
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.63	5.63	2.80	2.57

802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

27/06/2022



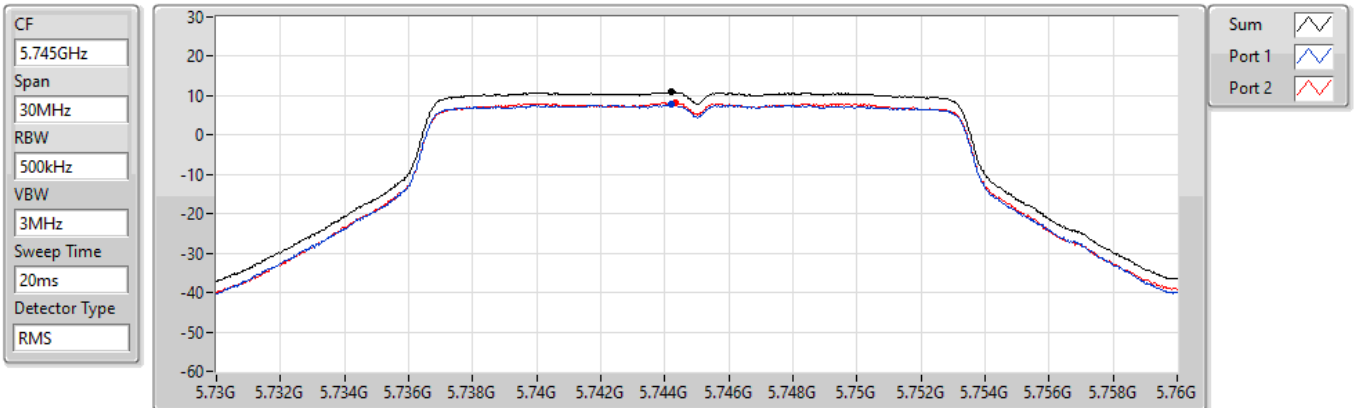
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.23	5.23	2.36	2.22

802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

27/06/2022



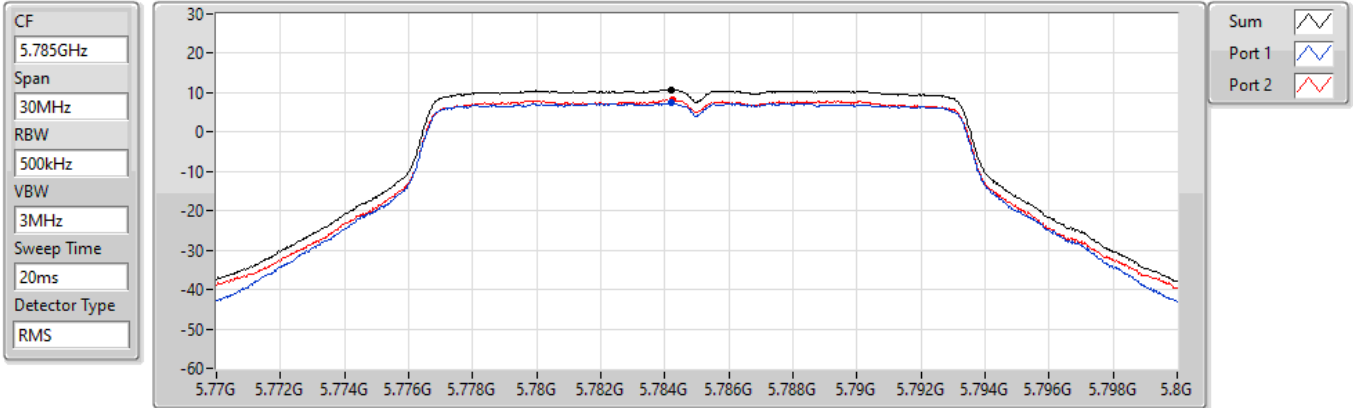
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.89	10.89	7.70	8.30

802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

27/06/2022

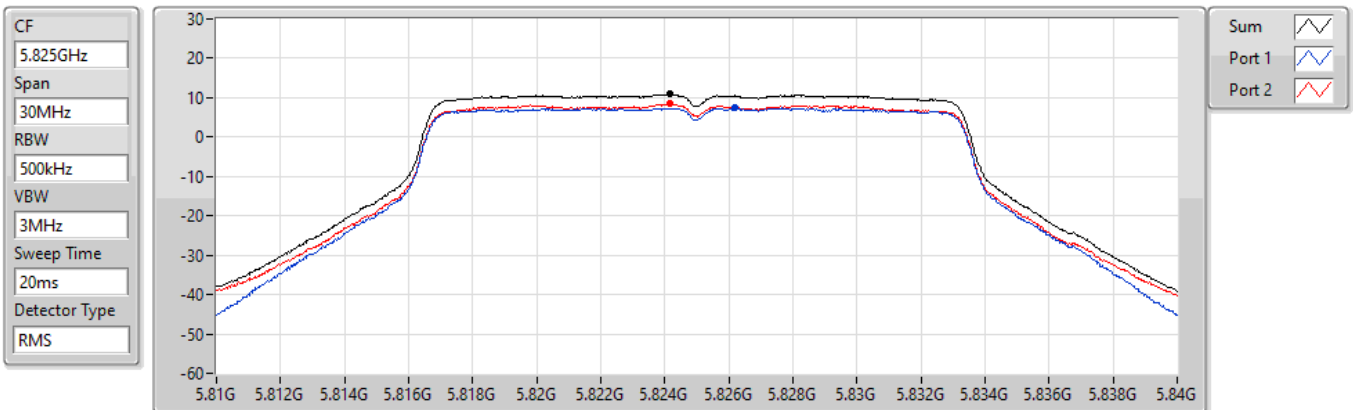


802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

27/06/2022

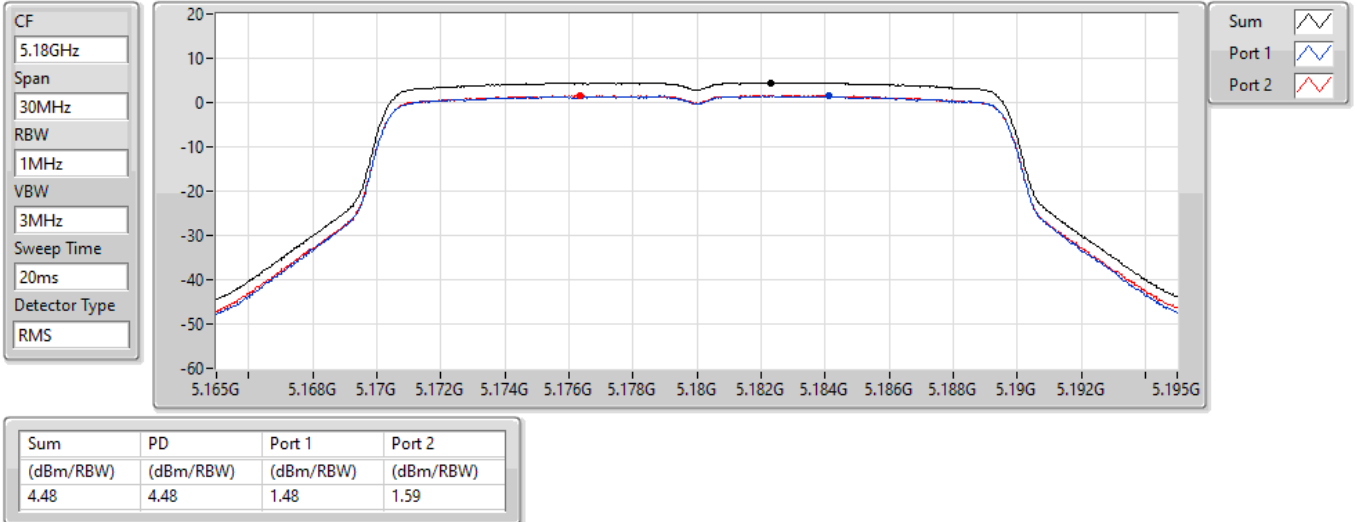


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5180MHz

27/06/2022

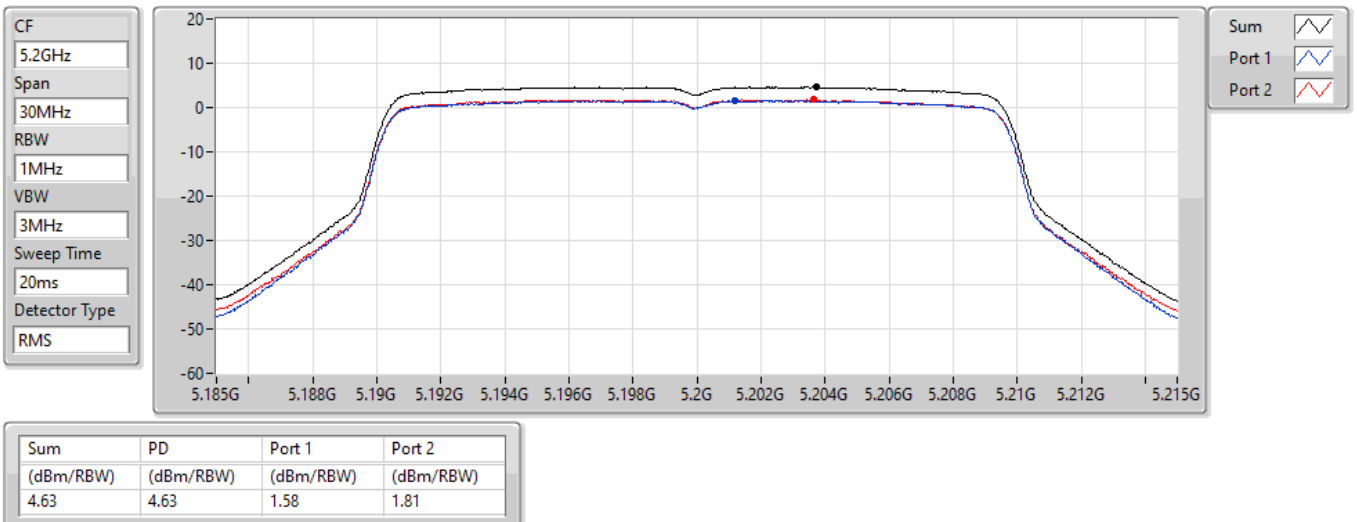


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz

27/06/2022

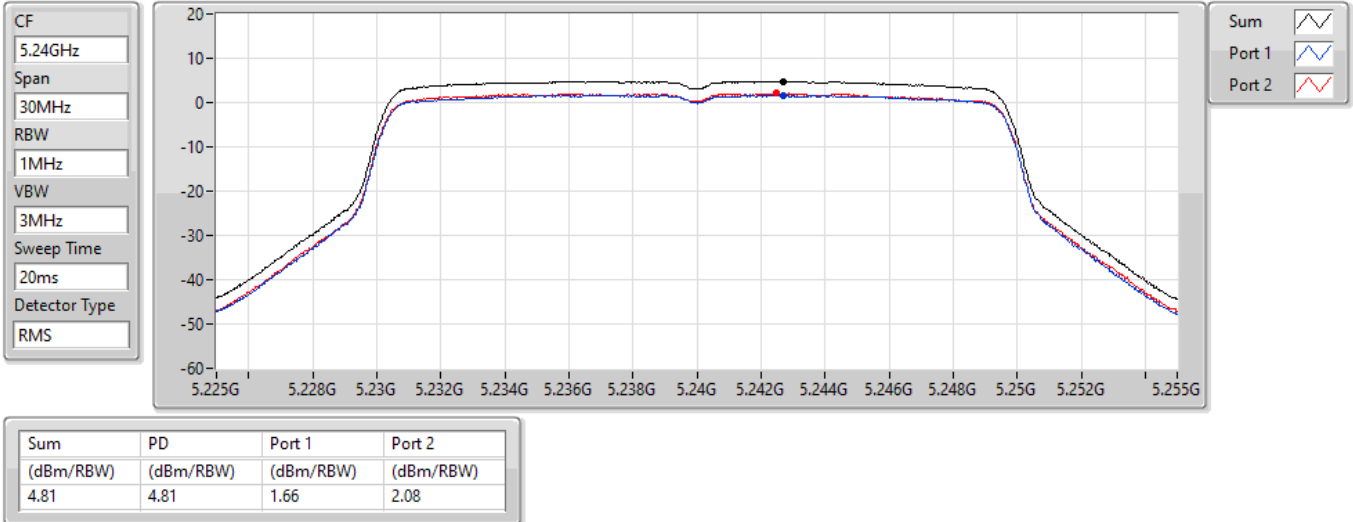


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

27/06/2022

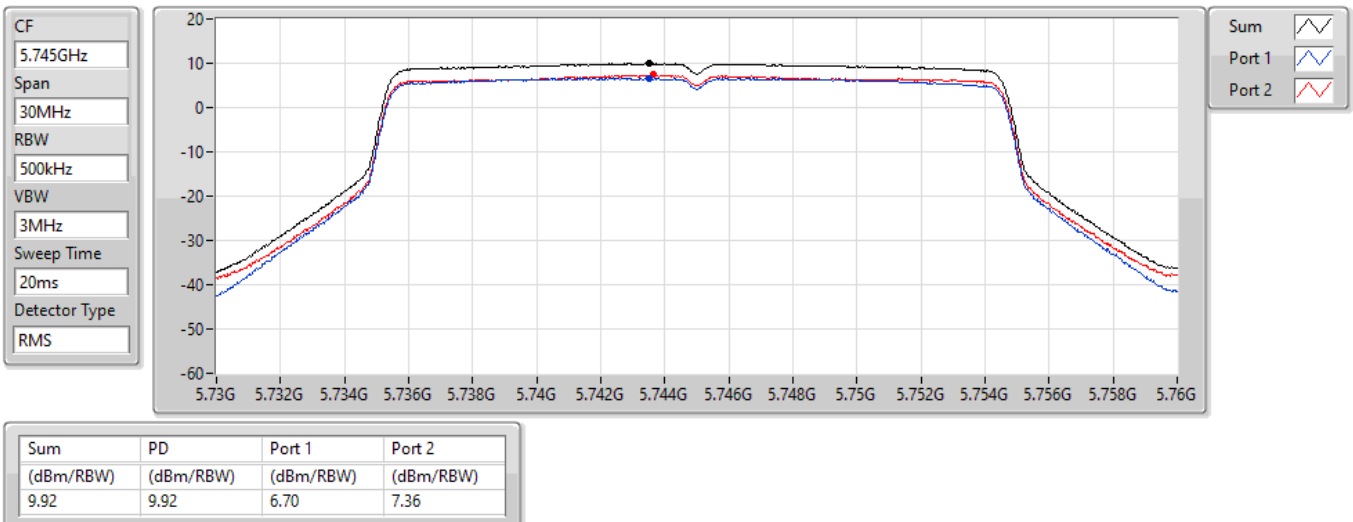


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

27/06/2022

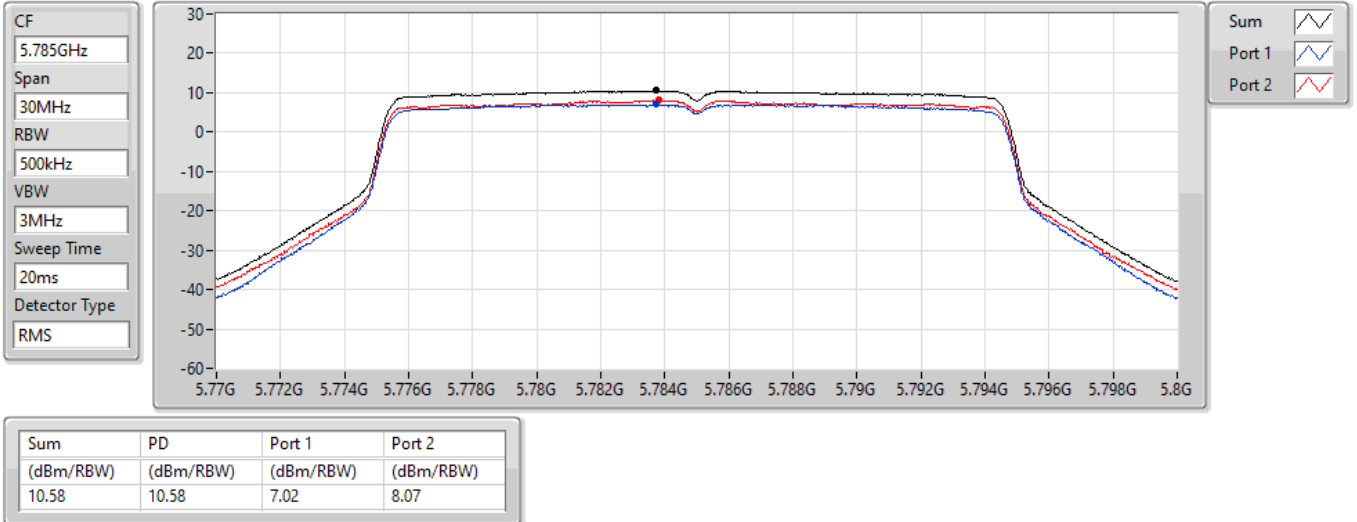


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

27/06/2022

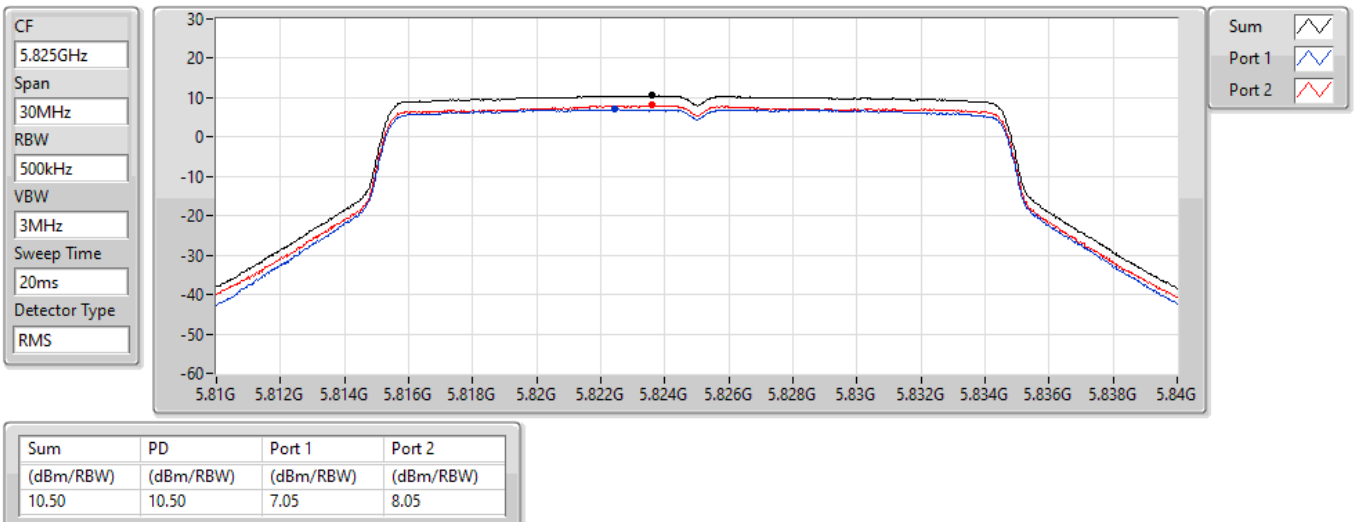


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

27/06/2022

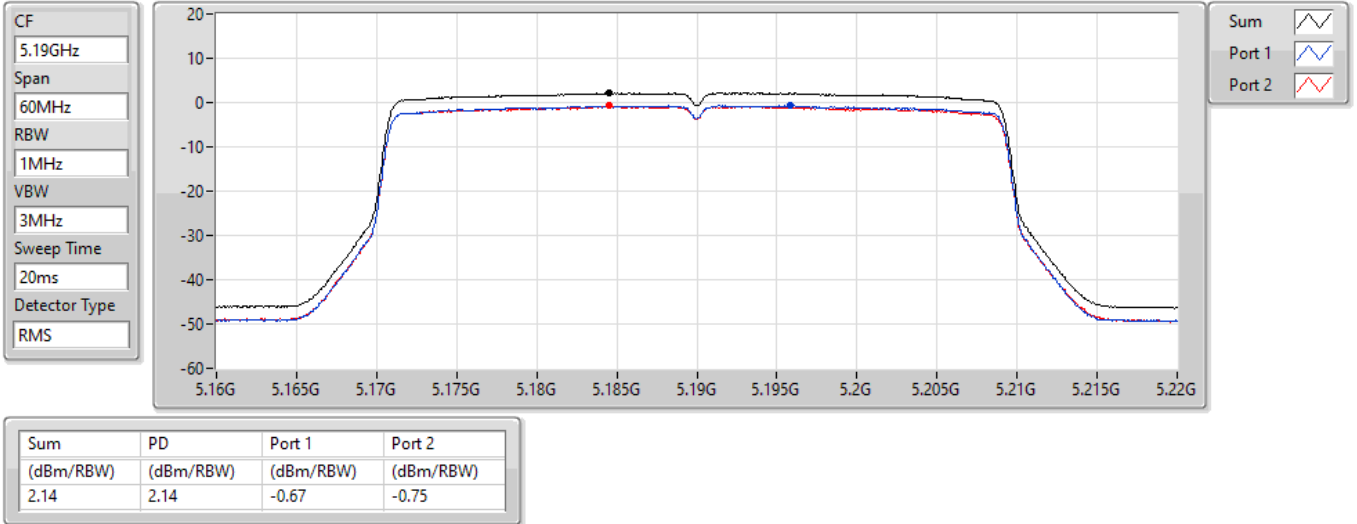


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

27/06/2022

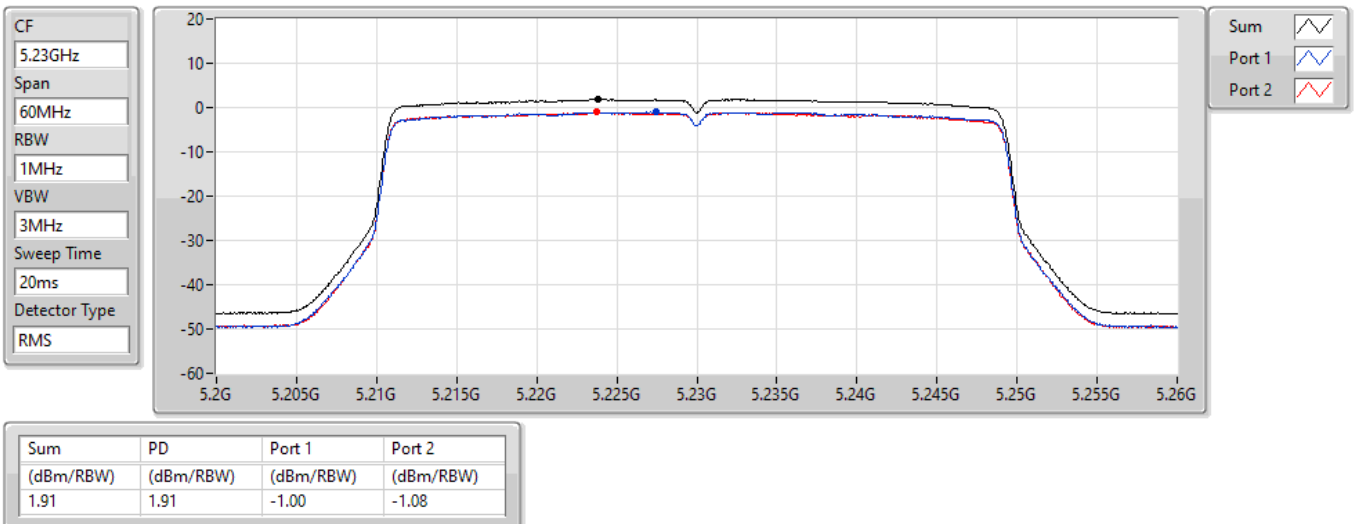


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

27/06/2022

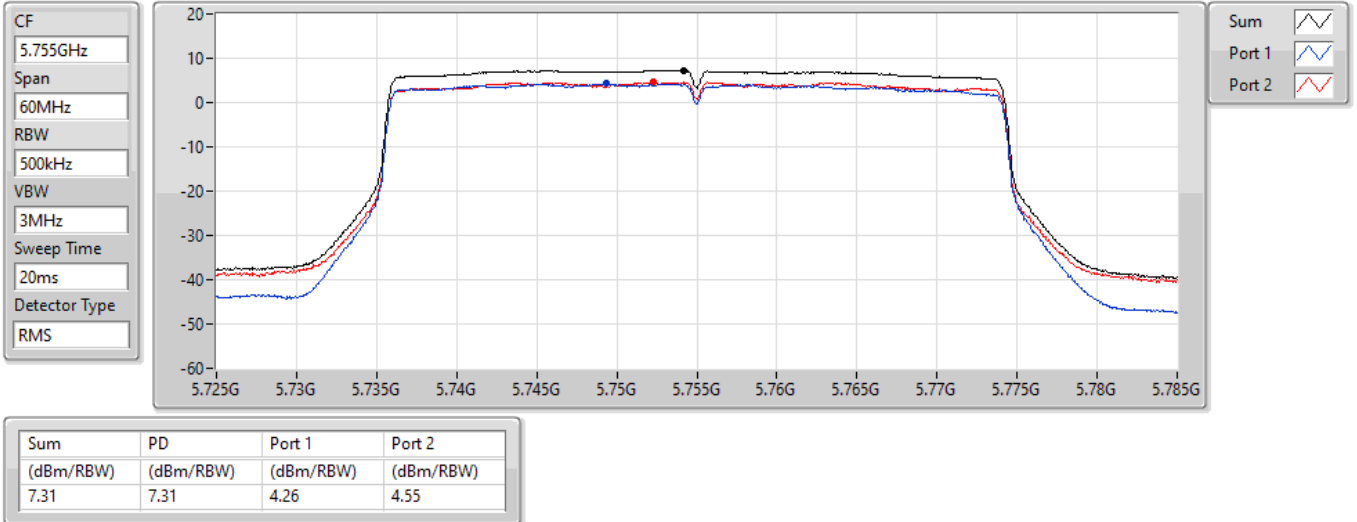


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5755MHz

27/06/2022

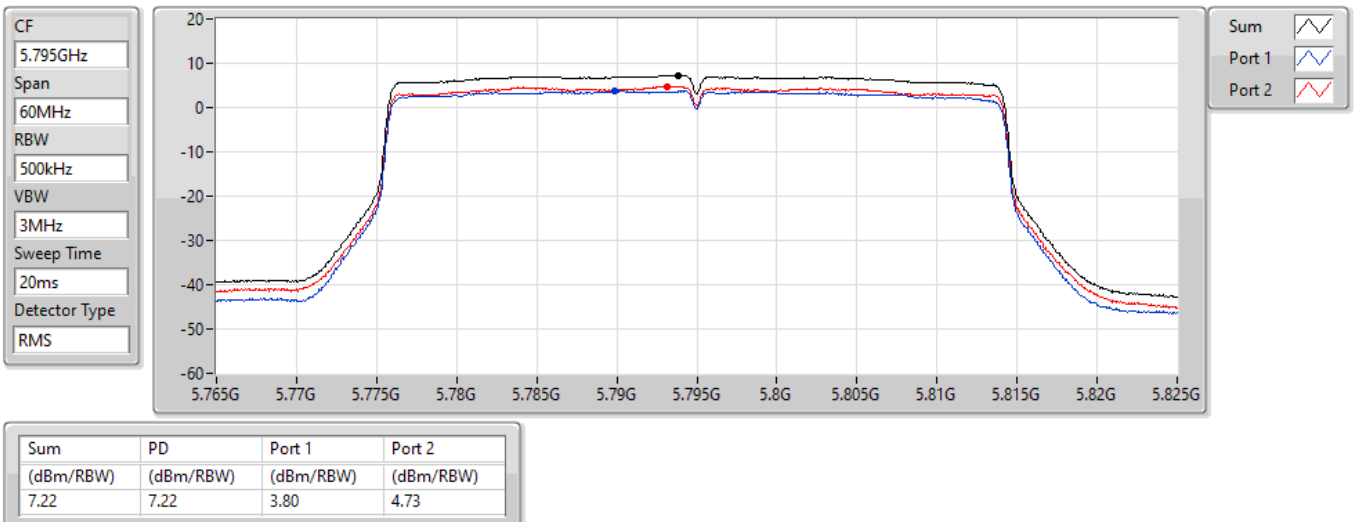


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

27/06/2022

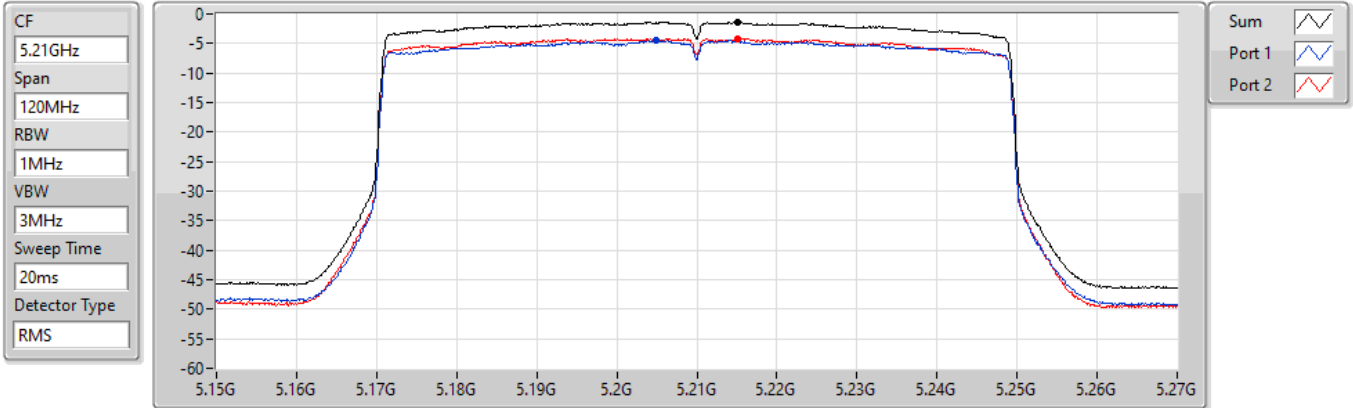


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

27/06/2022

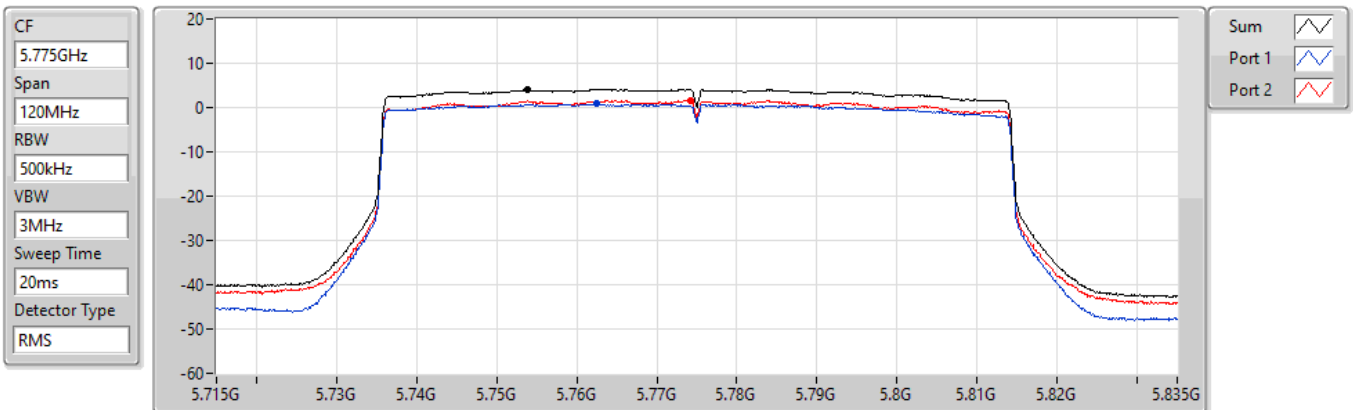


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

27/06/2022





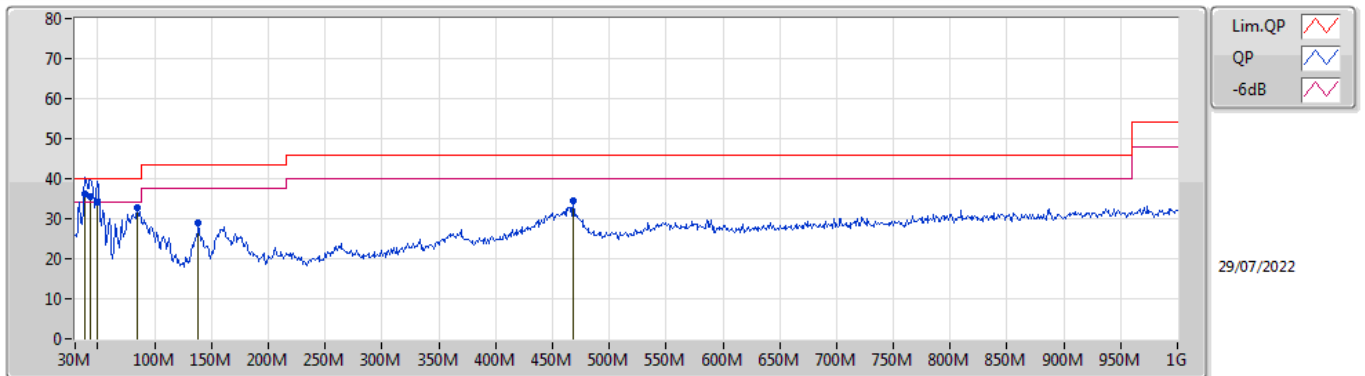
Radiated Emissions below 1GHz

Appendix E.1

Summary

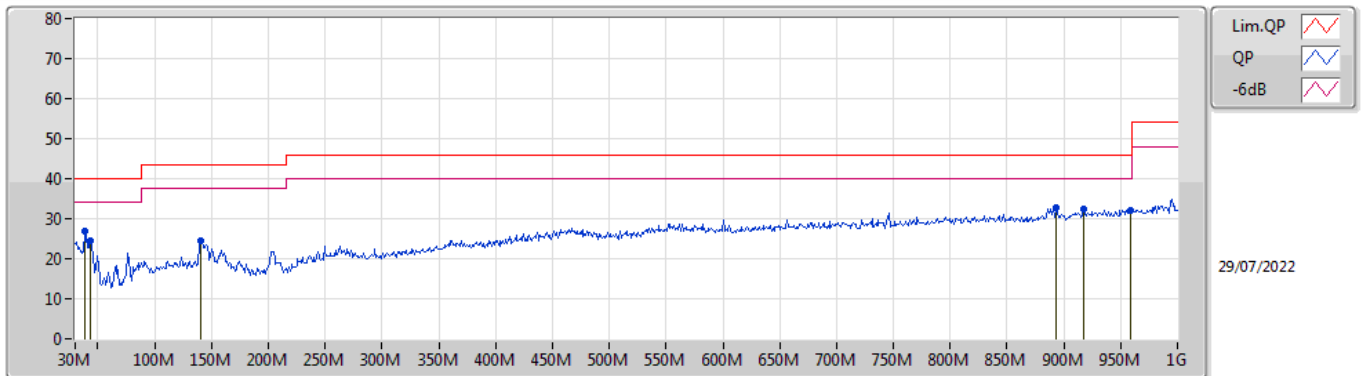
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	38.73M	36.12	40.00	-3.88	Vertical

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	38.73M	36.12	40.00	-3.88	-11.48	3	Vertical	0	1.00	"Worst"	47.60	19.35	0.90	31.73
QP	43.58M	35.38	40.00	-4.62	-14.12	3	Vertical	106	1.00	-	49.50	16.72	0.97	31.81
QP	49.4M	34.01	40.00	-5.99	-16.49	3	Vertical	150	1.00	-	50.50	14.28	1.09	31.86
PK	84.32M	32.71	40.00	-7.29	-17.09	3	Vertical	244	1.25	-	49.80	13.46	1.40	31.95
PK	138.64M	29.11	43.50	-14.39	-13.20	3	Vertical	2	1.00	-	42.31	17.03	1.79	32.02
PK	468.44M	34.53	46.00	-11.47	-5.81	3	Vertical	258	1.50	-	40.34	22.96	3.54	32.31

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	38.73M	27.05	40.00	-12.95	-11.48	3	Horizontal	96	1.00	"Worst"	38.53	19.35	0.90	31.73
PK	43.58M	24.63	40.00	-15.37	-14.12	3	Horizontal	115	2.00	-	38.75	16.72	0.97	31.81
PK	140.58M	24.60	43.50	-18.90	-13.31	3	Horizontal	246	2.00	-	37.91	16.90	1.81	32.02
PK	893.3M	32.86	46.00	-13.14	-1.05	3	Horizontal	4	1.25	-	33.91	26.17	5.27	32.49
PK	917.55M	32.26	46.00	-13.74	-0.90	3	Horizontal	53	1.50	-	33.16	26.18	5.41	32.49
PK	959.26M	32.09	46.00	-13.91	-0.23	3	Horizontal	114	1.00	-	32.32	26.62	5.60	32.45

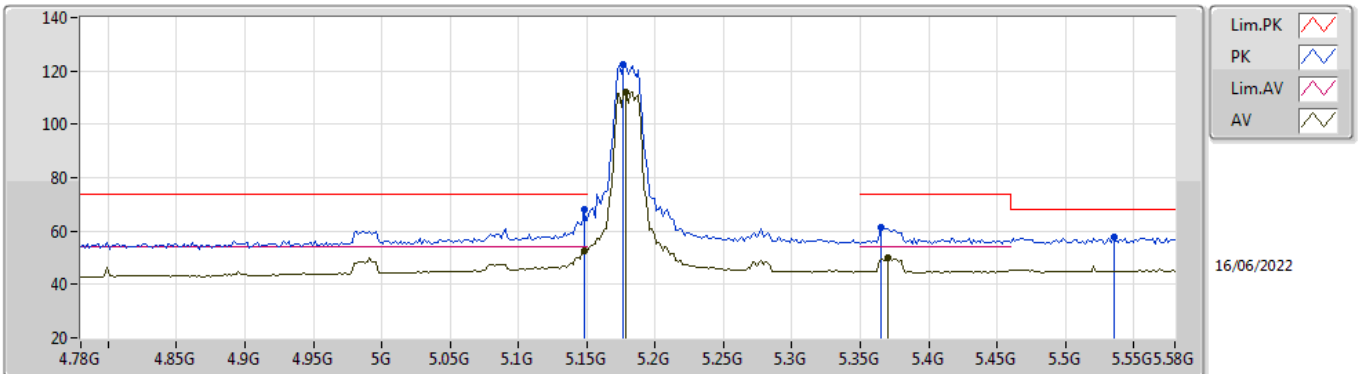


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1.(6Mbps)_2TX	Pass	AV	5.146G	53.80	54.00	-0.20	3	Vertical	338	1.86	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

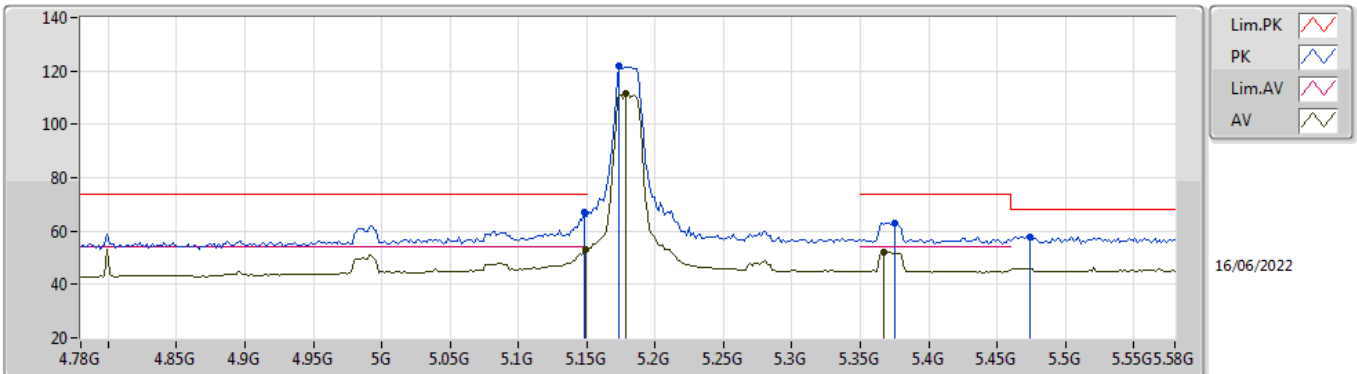


EUT_V_2TX
Setting 24.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.148G	67.95	74.00	-6.05	61.25	3	Vertical	15	1.52	-	33.60	5.25	32.15	
AV	5.148G	52.64	54.00	-1.36	45.94	3	Vertical	15	1.52	-	33.60	5.25	32.15	
PK	5.1768G	122.47	Inf	-Inf	115.69	3	Vertical	15	1.52	-	33.65	5.28	32.15	
AV	5.1784G	112.20	Inf	-Inf	105.41	3	Vertical	15	1.52	-	33.66	5.28	32.15	
PK	5.3656G	61.35	74.00	-12.65	54.18	3	Vertical	15	1.52	-	33.93	5.38	32.14	
AV	5.3704G	49.75	54.00	-4.25	42.56	3	Vertical	15	1.52	-	33.94	5.39	32.14	
PK	5.5352G	57.72	68.20	-10.48	50.31	3	Vertical	15	1.52	-	34.00	5.54	32.13	

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

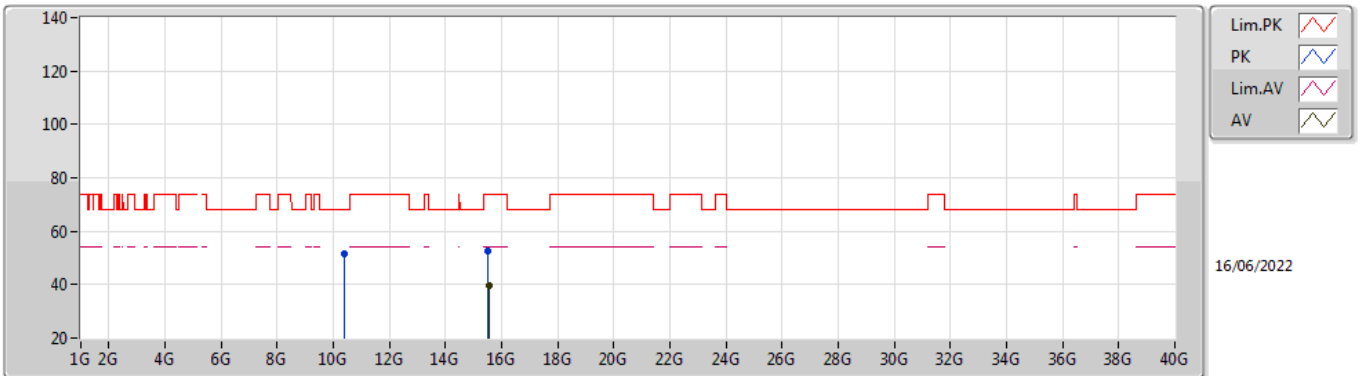


EUT_V_2TX
Setting 24.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.148G	67.17	74.00	-6.83	60.47	3	Horizontal	10	1.68	-	33.60	5.25	32.15
AV	5.1496G	52.94	54.00	-1.06	46.24	3	Horizontal	10	1.68	-	33.60	5.25	32.15
PK	5.1736G	121.69	Inf	-Inf	114.92	3	Horizontal	10	1.68	-	33.65	5.27	32.15
AV	5.1784G	111.48	Inf	-Inf	104.69	3	Horizontal	10	1.68	-	33.66	5.28	32.15
PK	5.3752G	62.98	74.00	-11.02	55.78	3	Horizontal	10	1.68	-	33.95	5.39	32.14
AV	5.3672G	52.06	54.00	-1.94	44.89	3	Horizontal	10	1.68	-	33.93	5.38	32.14
PK	5.4744G	57.94	68.20	-10.26	50.60	3	Horizontal	10	1.68	-	34.00	5.47	32.13

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

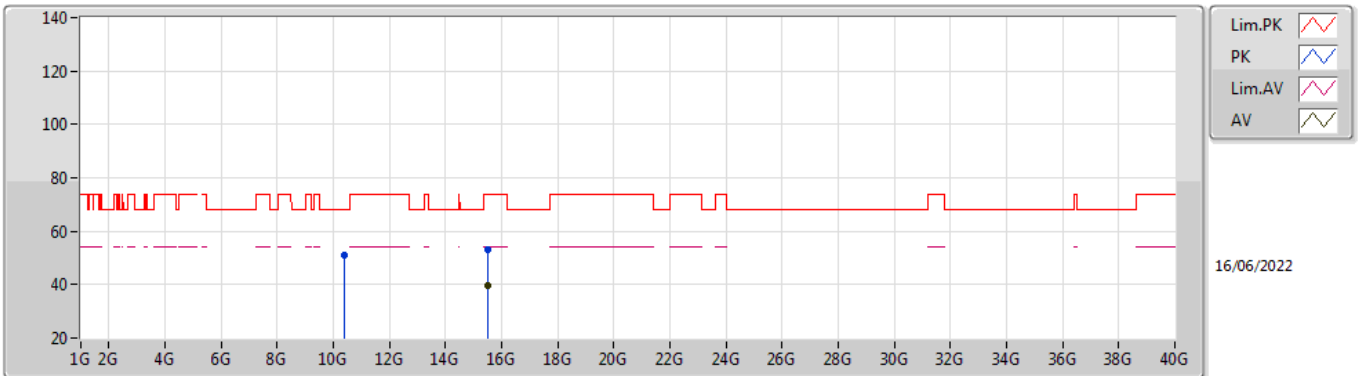


EUT_V_2TX
Setting 24.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3738G	51.57	68.20	-16.63	38.46	3	Vertical	275	2.83	-	38.63	7.45	32.97
PK	15.5274G	52.51	74.00	-21.49	37.96	3	Vertical	310	2.27	-	37.94	9.79	33.18
AV	15.53772G	39.82	54.00	-14.18	25.35	3	Vertical	310	2.27	-	37.87	9.79	33.19

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

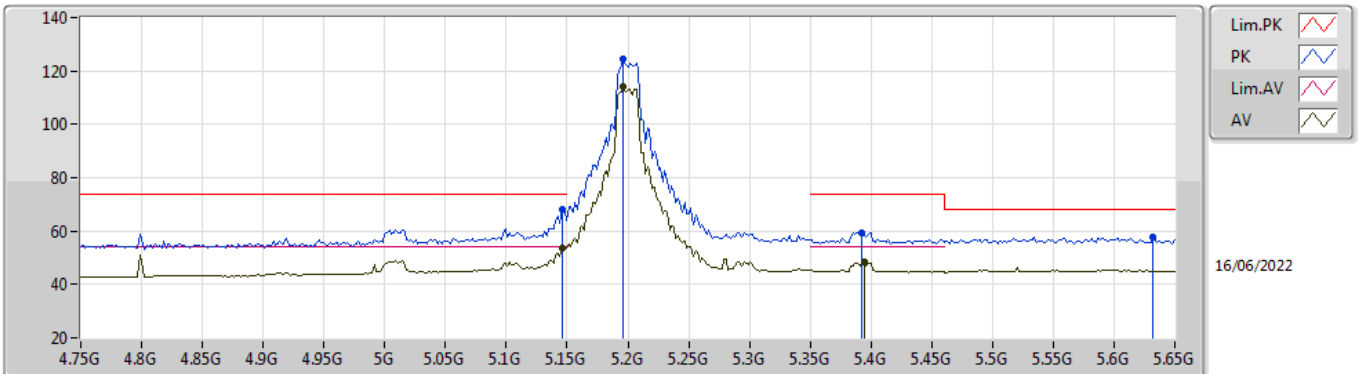


EUT V_2TX
Setting 24.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3702G	51.00	68.20	-17.20	37.88	3	Horizontal	22	2.17	-	38.63	7.45	32.96
PK	15.52908G	53.07	74.00	-20.93	38.53	3	Horizontal	9	1.10	-	37.93	9.79	33.18
AV	15.52914G	39.76	54.00	-14.24	25.22	3	Horizontal	9	1.10	-	37.93	9.79	33.18

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

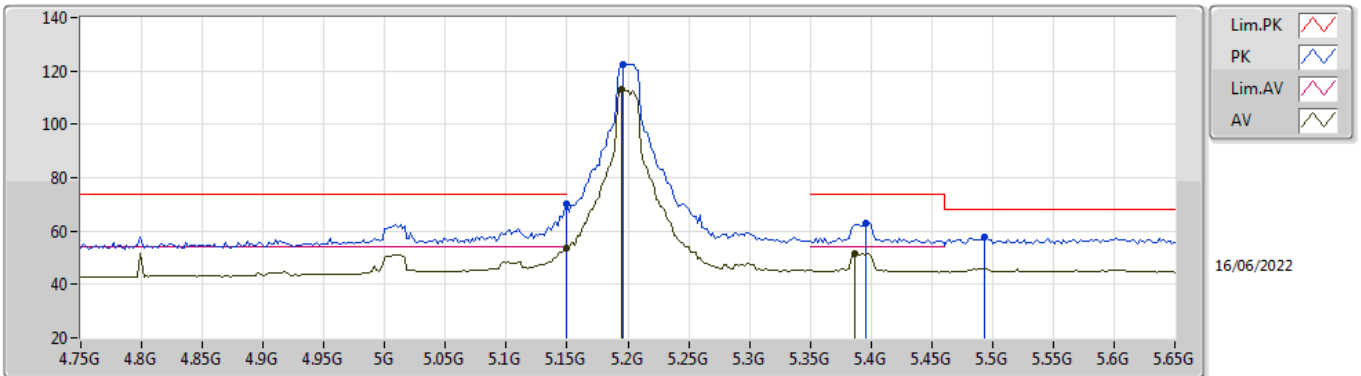


EUT_V_2TX
Setting 27
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.146G	67.92	74.00	-6.08	61.23	3	Vertical	338	1.86	-	33.59	5.25	32.15
AV	5.146G	53.80	54.00	-0.20	47.11	3	Vertical	338	1.86	-	33.59	5.25	32.15
PK	5.1964G	124.48	Inf	-Inf	117.64	3	Vertical	338	1.86	-	33.69	5.30	32.15
AV	5.1964G	113.88	Inf	-Inf	107.04	3	Vertical	338	1.86	-	33.69	5.30	32.15
PK	5.3926G	59.32	74.00	-14.68	52.07	3	Vertical	338	1.86	-	33.99	5.40	32.14
AV	5.3944G	48.37	54.00	-5.63	41.12	3	Vertical	338	1.86	-	33.99	5.40	32.14
PK	5.632G	57.89	68.20	-10.31	50.59	3	Vertical	338	1.86	-	33.84	5.60	32.14

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

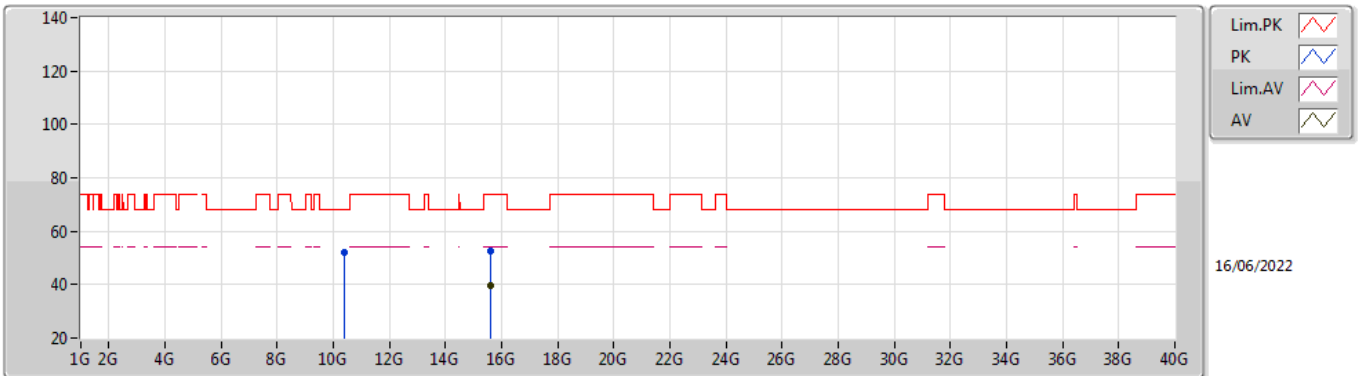


EUT V_2TX
Setting 27
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	70.36	74.00	-3.64	63.66	3	Horizontal	11	1.78	-	33.60	5.25	32.15
AV	5.1496G	53.78	54.00	-0.22	47.08	3	Horizontal	11	1.78	-	33.60	5.25	32.15
PK	5.1964G	122.66	Inf	-Inf	115.82	3	Horizontal	11	1.78	-	33.69	5.30	32.15
AV	5.1964G	112.89	Inf	-Inf	106.06	3	Horizontal	11	1.78	-	33.69	5.29	32.15
PK	5.3962G	62.73	74.00	-11.27	55.48	3	Horizontal	11	1.78	-	33.99	5.40	32.14
AV	5.3872G	51.35	54.00	-2.65	44.13	3	Horizontal	11	1.78	-	33.97	5.39	32.14
PK	5.4934G	57.59	68.20	-10.61	50.23	3	Horizontal	11	1.78	-	34.00	5.49	32.13

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

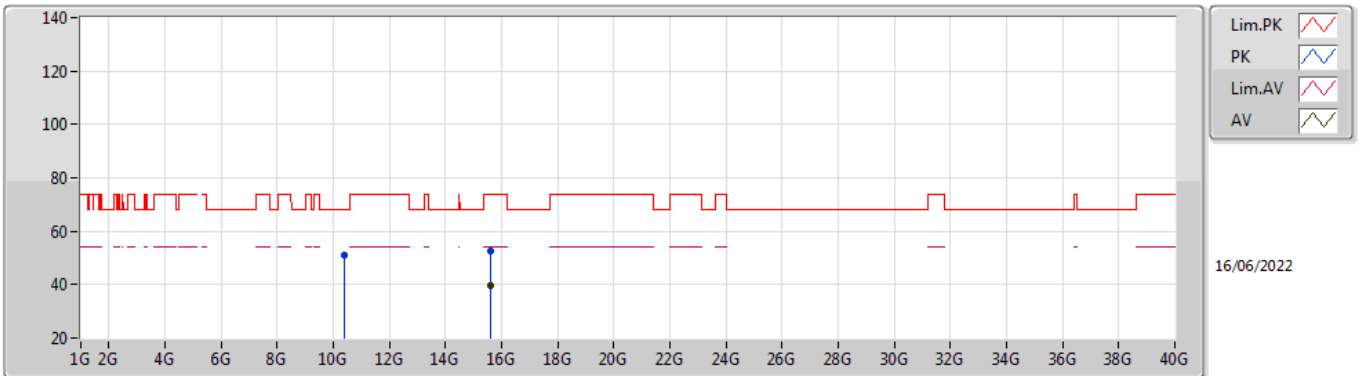


EUT_V_2TX
Setting 27
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40642G	51.90	68.20	-16.30	38.83	3	Vertical	49	2.03	-	38.60	7.46	32.99
PK	15.59664G	52.52	74.00	-21.48	38.44	3	Vertical	291	1.97	-	37.52	9.82	33.26
AV	15.60492G	39.54	54.00	-14.46	25.49	3	Vertical	291	1.97	-	37.50	9.82	33.27

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

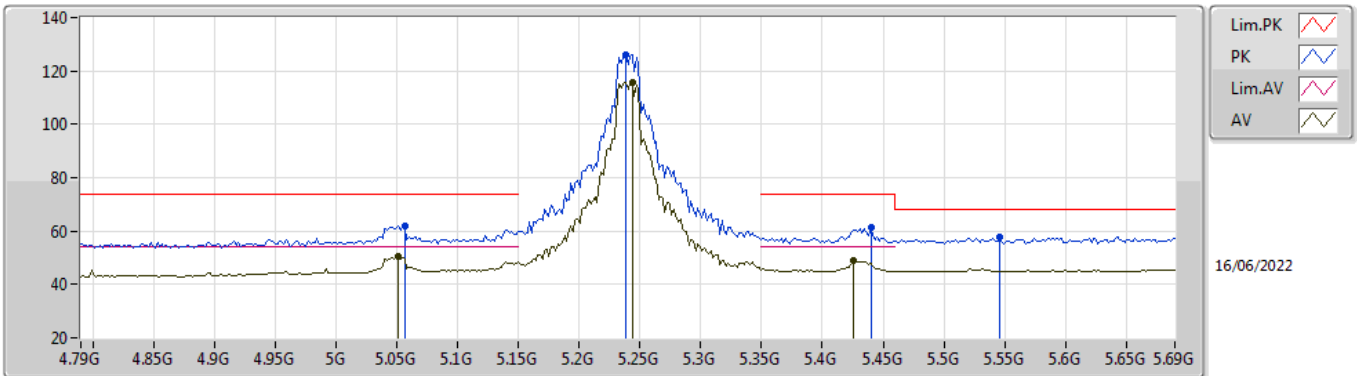


EUT_V_2TX
Setting 27
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3877G	50.92	68.20	-17.28	37.83	3	Horizontal	182	1.97	-	38.61	7.46	32.98
PK	15.61392G	52.63	74.00	-21.37	38.58	3	Horizontal	215	1.02	-	37.50	9.83	33.28
AV	15.59688G	39.62	54.00	-14.38	25.54	3	Horizontal	215	1.02	-	37.52	9.82	33.26

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

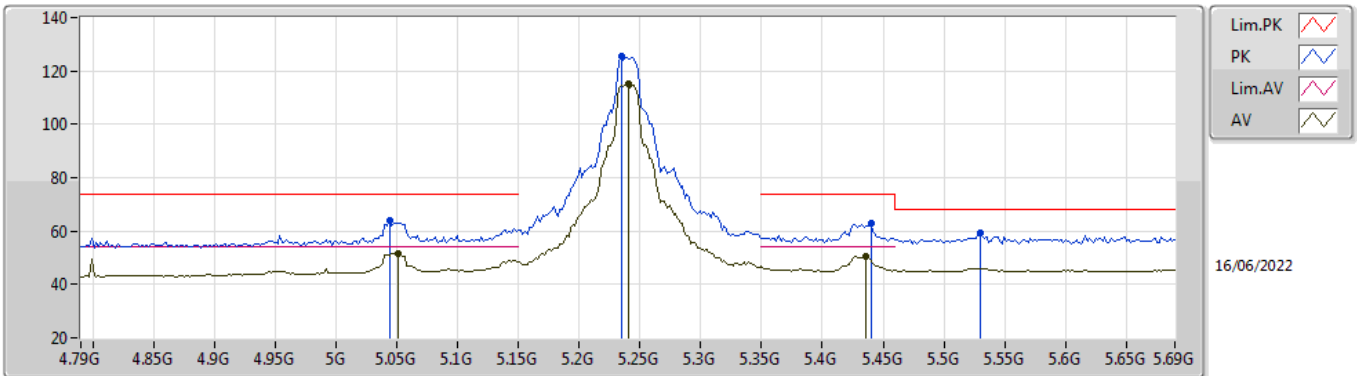


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.0564G	62.07	74.00	-11.93	55.57	3	Vertical	14	1.61	-	33.50	5.16	32.16
AV	5.051G	50.48	54.00	-3.52	43.99	3	Vertical	14	1.61	-	33.50	5.15	32.16
PK	5.2382G	126.27	Inf	-Inf	119.40	3	Vertical	14	1.61	-	33.70	5.32	32.15
AV	5.2436G	115.81	Inf	-Inf	108.94	3	Vertical	14	1.61	-	33.70	5.32	32.15
PK	5.4398G	61.17	74.00	-12.83	53.86	3	Vertical	14	1.61	-	34.00	5.44	32.13
AV	5.4254G	48.97	54.00	-5.03	41.67	3	Vertical	14	1.61	-	34.00	5.43	32.13
PK	5.546G	57.90	68.20	-10.30	50.48	3	Vertical	14	1.61	-	34.00	5.55	32.13

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

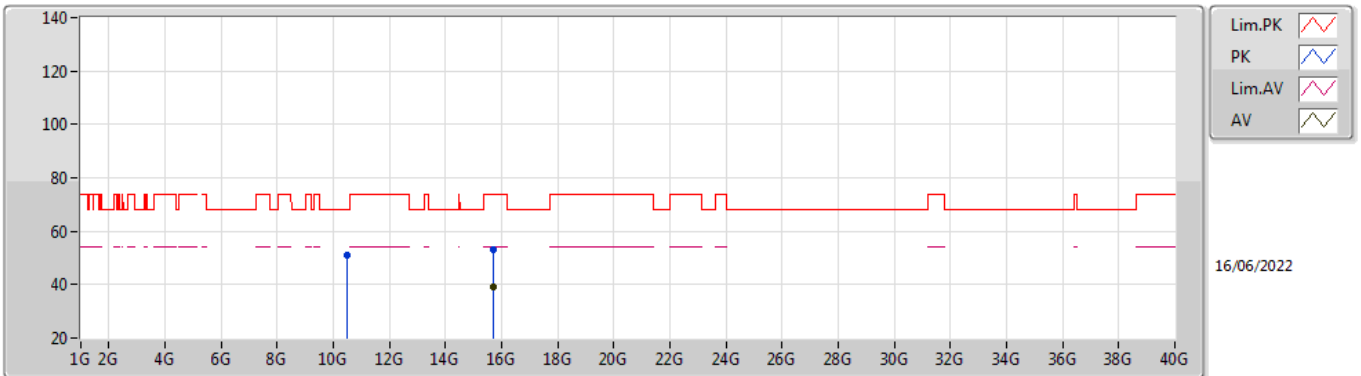


EUT_V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.0438G	63.99	74.00	-10.01	57.52	3	Horizontal	10	1.56	-	33.49	5.14	32.16
AV	5.051G	51.63	54.00	-2.37	45.14	3	Horizontal	10	1.56	-	33.50	5.15	32.16
PK	5.2346G	125.63	Inf	-Inf	118.76	3	Horizontal	10	1.56	-	33.70	5.32	32.15
AV	5.24G	115.32	Inf	-Inf	108.45	3	Horizontal	10	1.56	-	33.70	5.32	32.15
PK	5.4398G	63.04	74.00	-10.96	55.73	3	Horizontal	10	1.56	-	34.00	5.44	32.13
AV	5.4362G	50.33	54.00	-3.67	43.02	3	Horizontal	10	1.56	-	34.00	5.44	32.13
PK	5.5298G	59.30	68.20	-8.90	51.90	3	Horizontal	10	1.56	-	34.00	5.53	32.13

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

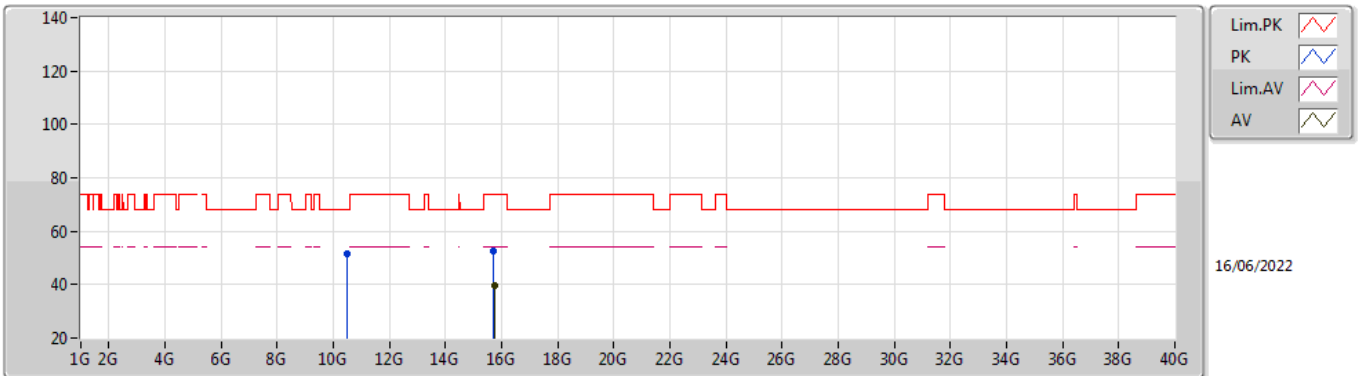


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.48306G	50.89	68.20	-17.31	37.84	3	Vertical	317	1.71	-	38.60	7.49	33.04
PK	15.72024G	53.14	74.00	-20.86	39.18	3	Vertical	77	2.62	-	37.50	9.87	33.41
AV	15.72012G	39.37	54.00	-14.63	25.41	3	Vertical	77	2.62	-	37.50	9.87	33.41

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

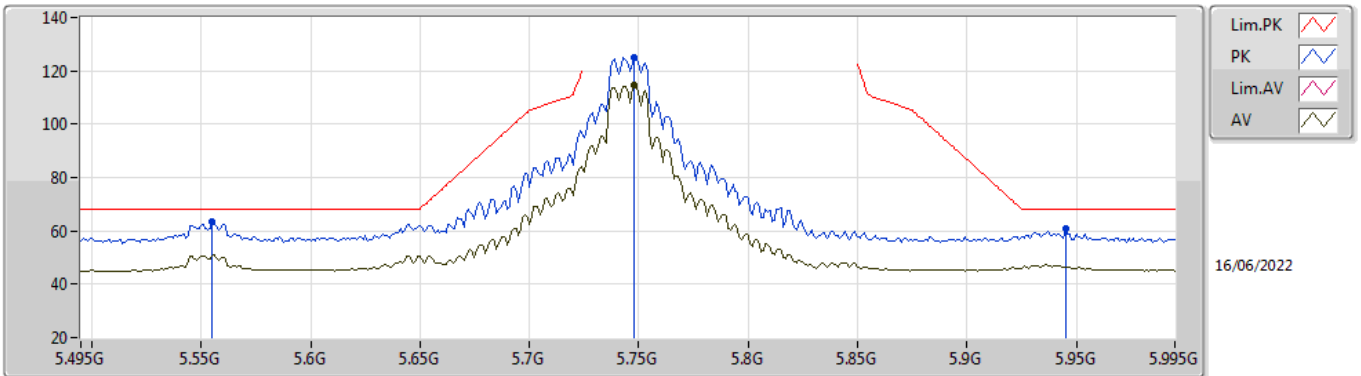


EUT_V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.49434G	51.43	68.20	-16.77	38.38	3	Horizontal	46	2.97	-	38.60	7.50	33.05
PK	15.71238G	52.56	74.00	-21.44	38.59	3	Horizontal	14	1.68	-	37.50	9.87	33.40
AV	15.73278G	39.63	54.00	-14.37	25.67	3	Horizontal	14	1.68	-	37.50	9.88	33.42

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

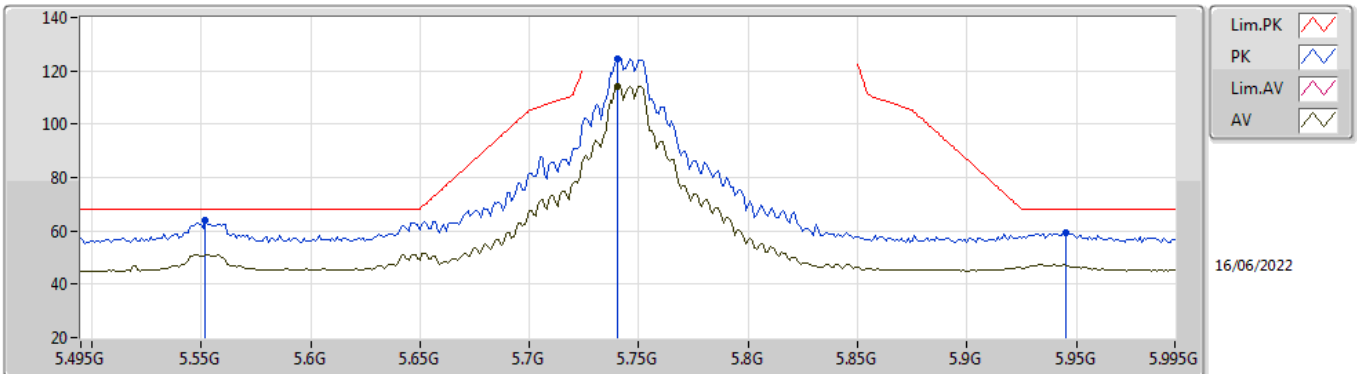


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.555G	63.64	68.20	-4.56	56.23	3	Vertical	6	1.62	-	33.99	5.55	32.13	
PK	5.748G	124.97	Inf	-Inf	117.71	3	Vertical	6	1.62	-	33.80	5.60	32.14	
AV	5.748G	114.81	Inf	-Inf	107.55	3	Vertical	6	1.62	-	33.80	5.60	32.14	
PK	5.945G	60.73	68.20	-7.47	52.95	3	Vertical	6	1.62	-	34.19	5.75	32.16	

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

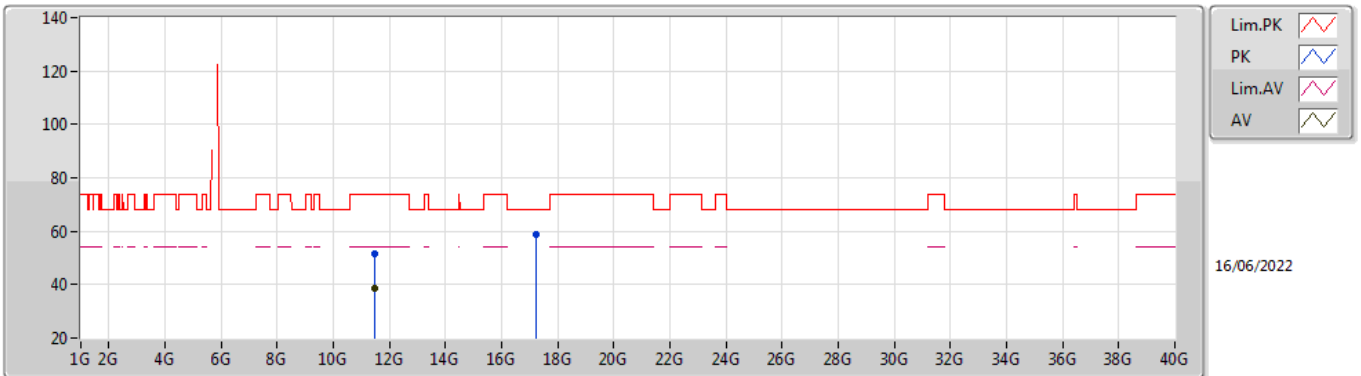


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.552G	63.92	68.20	-4.28	56.50	3	Horizontal	329	1.73	-	34.00	5.55	32.13	
PK	5.74G	124.63	Inf	-Inf	117.35	3	Horizontal	329	1.73	-	33.82	5.60	32.14	
AV	5.74G	114.37	Inf	-Inf	107.09	3	Horizontal	329	1.73	-	33.82	5.60	32.14	
PK	5.945G	59.32	68.20	-8.88	51.54	3	Horizontal	329	1.73	-	34.19	5.75	32.16	

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

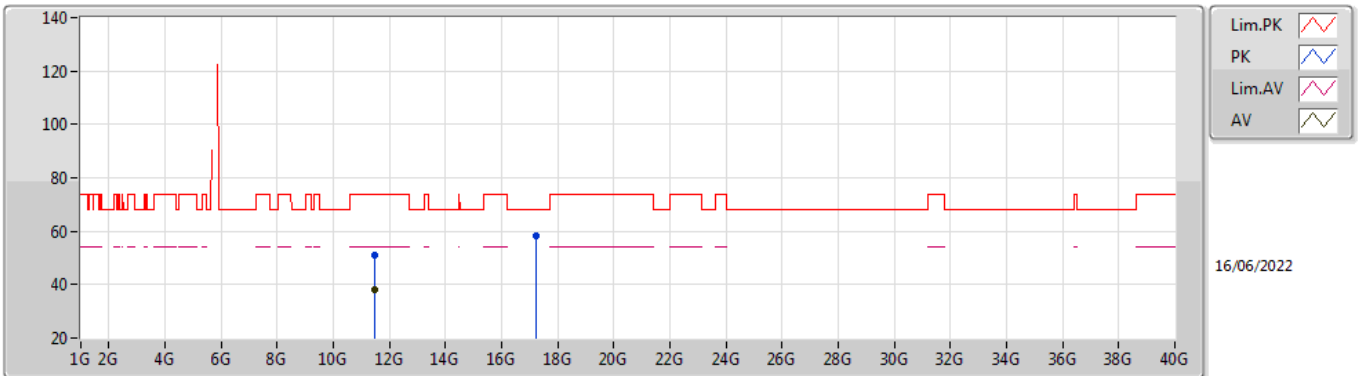


EUT_V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48778G	51.39	74.00	-22.61	37.73	3	Vertical	60	2.08	-	38.98	7.90	33.22
AV	11.48112G	38.37	54.00	-15.63	24.74	3	Vertical	60	2.08	-	38.96	7.89	33.22
PK	17.23566G	58.72	68.20	-9.48	39.19	3	Vertical	101	1.76	-	42.18	10.62	33.27

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

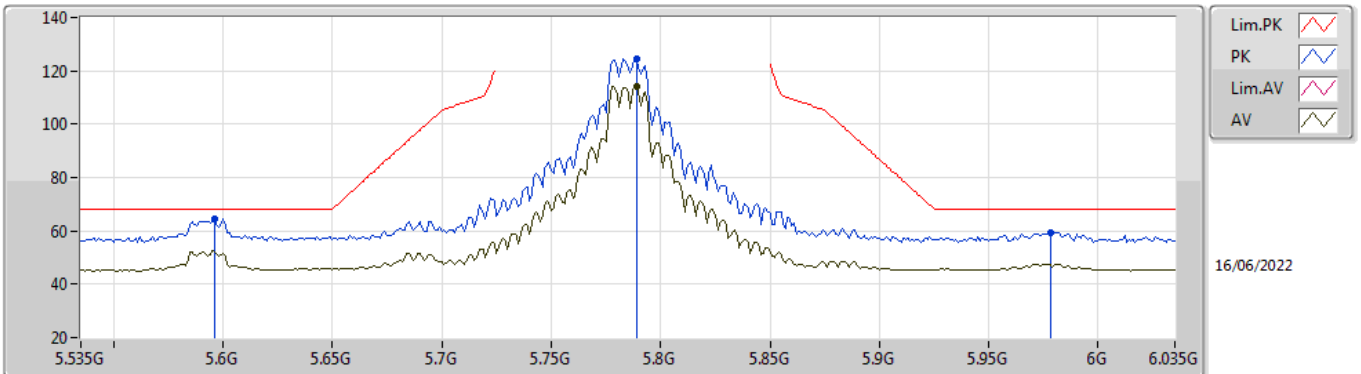


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4882G	51.15	74.00	-22.85	37.49	3	Horizontal	160	2.09	-	38.98	7.90	33.22
AV	11.48088G	38.05	54.00	-15.95	24.42	3	Horizontal	160	2.09	-	38.96	7.89	33.22
PK	17.22888G	58.35	68.20	-9.85	38.88	3	Horizontal	356	1.91	-	42.14	10.61	33.28

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

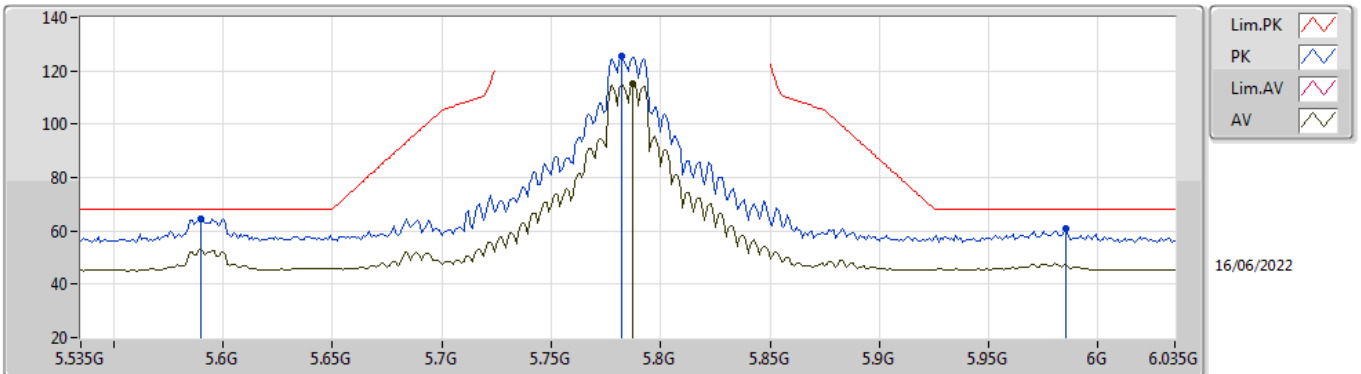


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.596G	64.59	68.20	-3.61	57.22	3	Vertical	8	1.61	-	33.91	5.60	32.14	
PK	5.789G	124.57	Inf	-Inf	117.32	3	Vertical	8	1.61	-	33.80	5.60	32.15	
AV	5.789G	114.19	Inf	-Inf	106.94	3	Vertical	8	1.61	-	33.80	5.60	32.15	
PK	5.978G	59.30	68.20	-8.90	51.48	3	Vertical	8	1.61	-	34.20	5.78	32.16	

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

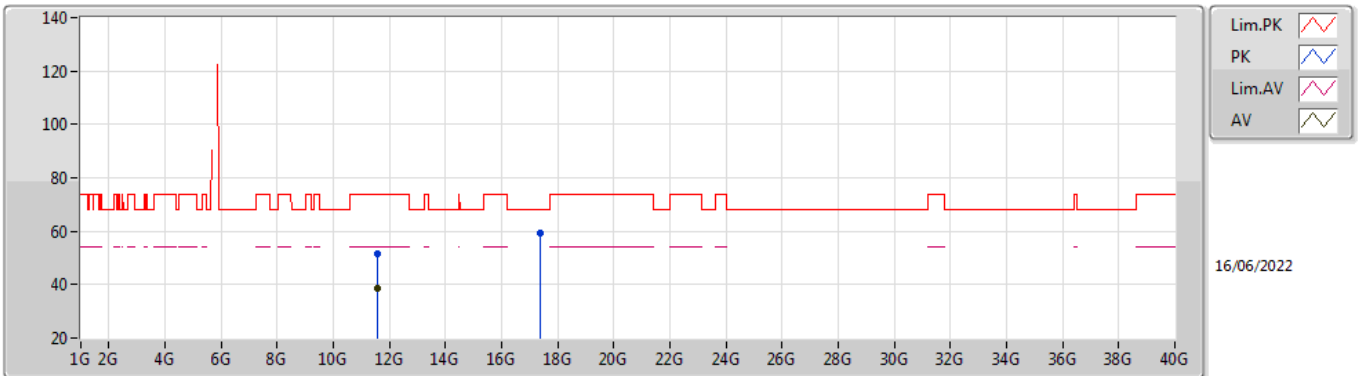


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.59G	64.57	68.20	-3.63	57.20	3	Horizontal	29	1.54	-	33.92	5.59	32.14	
PK	5.782G	125.45	Inf	-Inf	118.20	3	Horizontal	29	1.54	-	33.80	5.60	32.15	
AV	5.787G	115.20	Inf	-Inf	107.95	3	Horizontal	29	1.54	-	33.80	5.60	32.15	
PK	5.985G	60.64	68.20	-7.56	52.81	3	Horizontal	29	1.54	-	34.20	5.79	32.16	

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

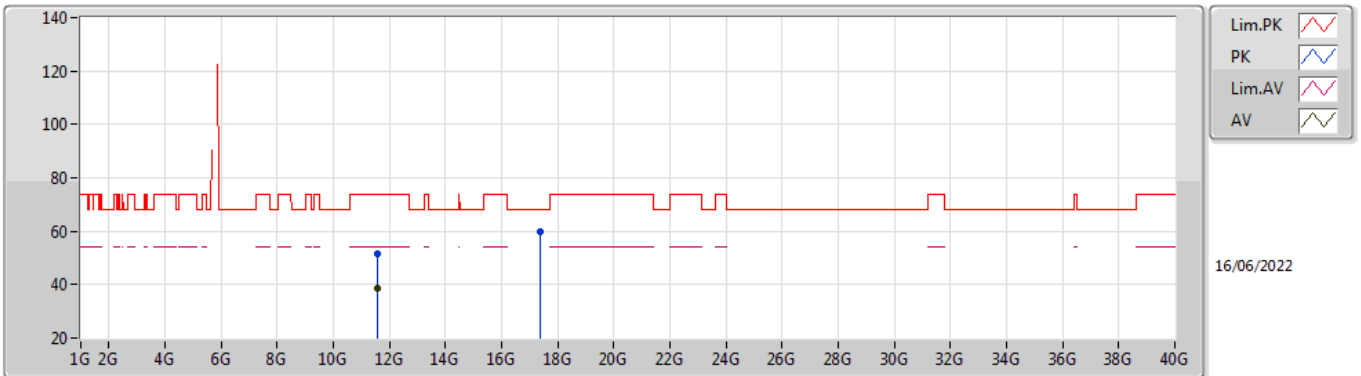


EUT_V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5715G	51.31	74.00	-22.69	37.41	3	Vertical	333	1.92	-	39.21	7.93	33.24
AV	11.57012G	38.60	54.00	-15.40	24.70	3	Vertical	333	1.92	-	39.21	7.93	33.24
PK	17.36766G	59.29	68.20	-8.91	38.82	3	Vertical	120	1.59	-	42.91	10.68	33.12

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

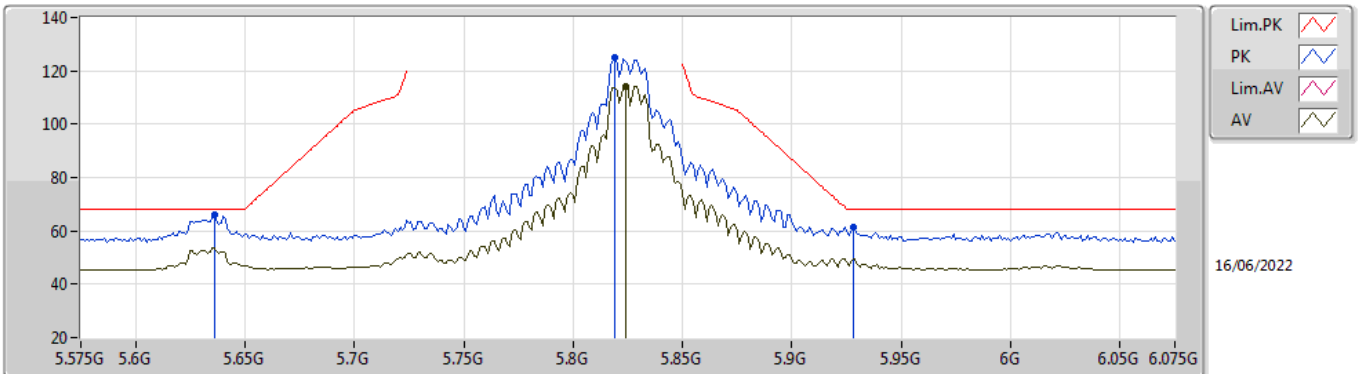


EUT_V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57084G	51.43	74.00	-22.57	37.53	3	Horizontal	21	1.31	-	39.21	7.93	33.24
AV	11.56778G	38.61	54.00	-15.39	24.72	3	Horizontal	21	1.31	-	39.20	7.93	33.24
PK	17.36754G	59.66	68.20	-8.54	39.19	3	Horizontal	5	2.01	-	42.91	10.68	33.12

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

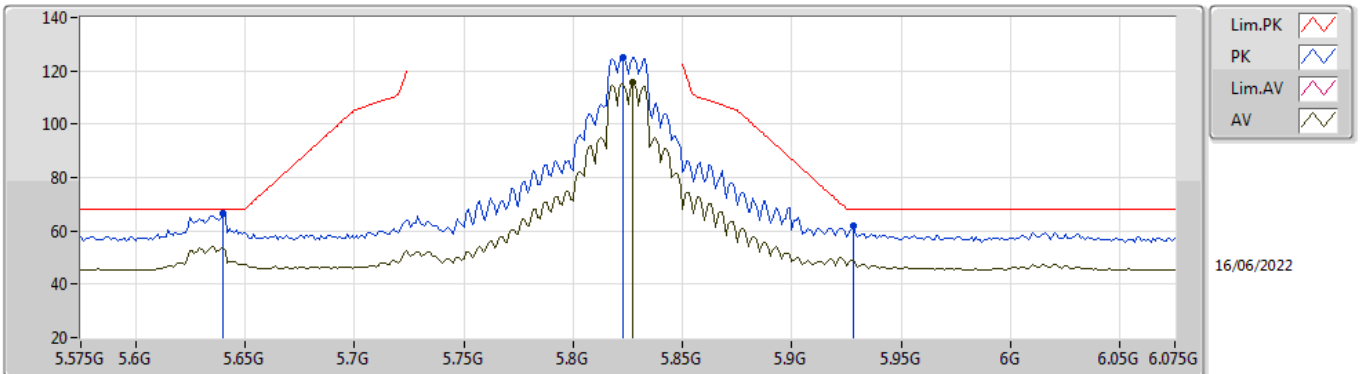


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.636G	66.16	68.20	-2.04	58.87	3	Vertical	9	1.69	-	33.83	5.60	32.14
PK	5.819G	124.89	Inf	-Inf	117.62	3	Vertical	9	1.69	-	33.80	5.62	32.15
AV	5.824G	114.17	Inf	-Inf	106.90	3	Vertical	9	1.69	-	33.80	5.62	32.15
PK	5.928G	61.19	68.20	-7.01	53.46	3	Vertical	9	1.69	-	34.16	5.73	32.16

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

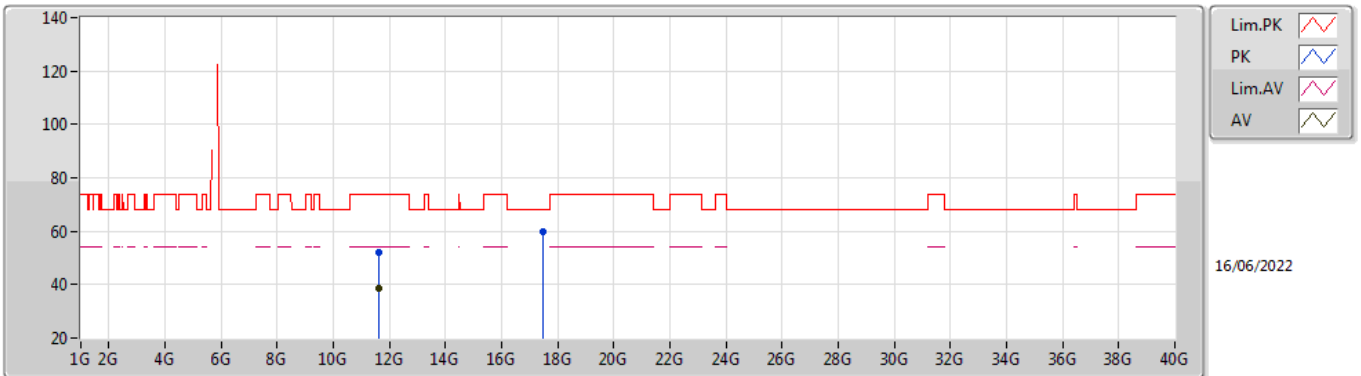


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.64G	66.38	68.20	-1.82	59.10	3	Horizontal	29	1.52	-	33.82	5.60	32.14	
PK	5.823G	125.13	Inf	-Inf	117.86	3	Horizontal	29	1.52	-	33.80	5.62	32.15	
AV	5.827G	115.44	Inf	-Inf	108.16	3	Horizontal	29	1.52	-	33.80	5.63	32.15	
PK	5.928G	62.02	68.20	-6.18	54.29	3	Horizontal	29	1.52	-	34.16	5.73	32.16	

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

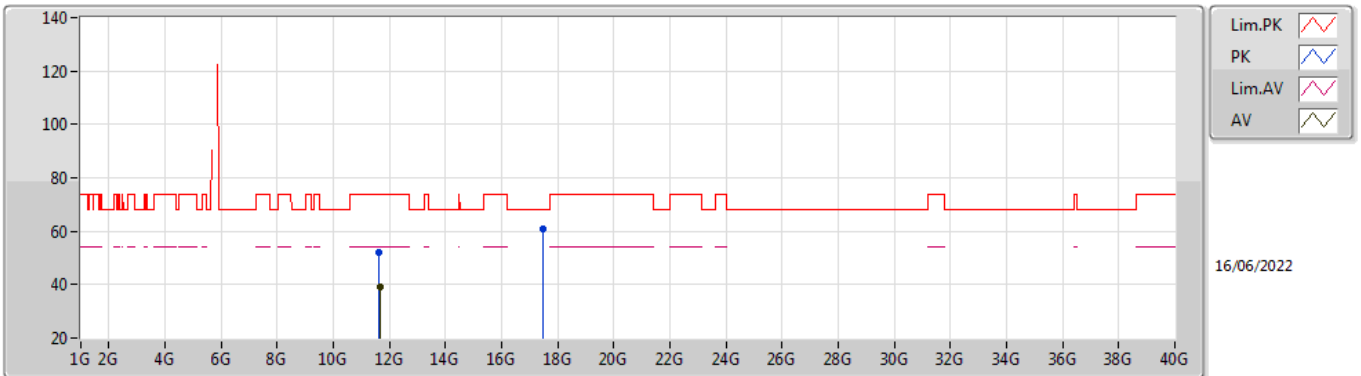


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6464G	51.92	74.00	-22.08	37.83	3	Vertical	73	1.77	-	39.39	7.96	33.26
AV	11.6461G	38.85	54.00	-15.15	24.76	3	Vertical	73	1.77	-	39.39	7.96	33.26
PK	17.47686G	59.89	68.20	-8.31	38.44	3	Vertical	4	1.19	-	43.71	10.74	33.00

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

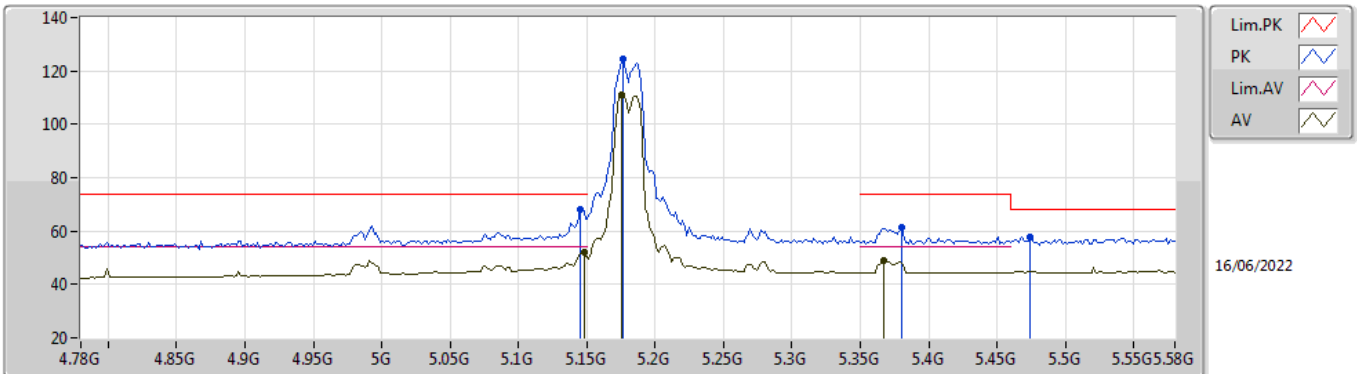


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.647G	52.05	74.00	-21.95	37.96	3	Horizontal	293	1.66	-	39.39	7.96	33.26
AV	11.64928G	38.97	54.00	-15.03	24.87	3	Horizontal	293	1.66	-	39.40	7.96	33.26
PK	17.48004G	60.83	68.20	-7.37	39.34	3	Horizontal	218	1.80	-	43.74	10.74	32.99

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

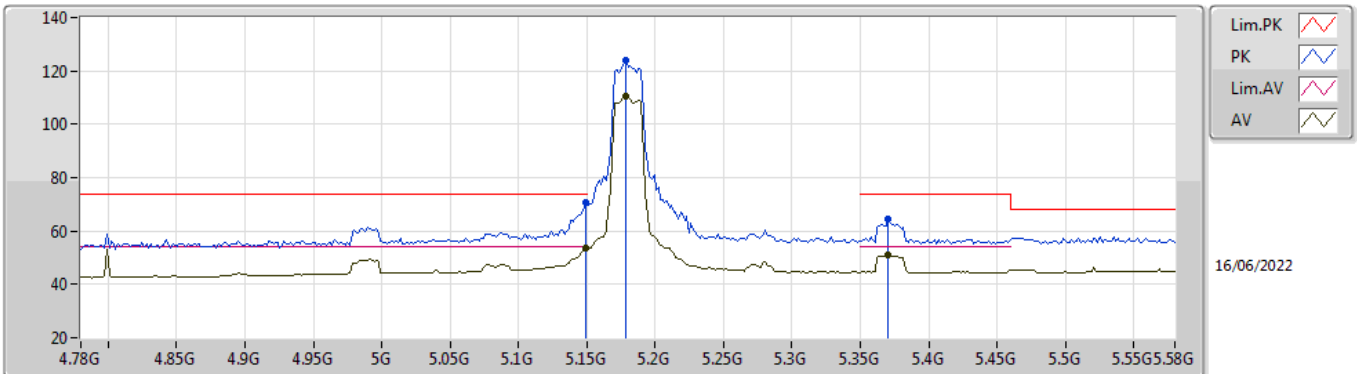


EUT_V_2TX
Setting 24.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1448G	67.96	74.00	-6.04	61.28	3	Vertical	17	1.60	-	33.59	5.24	32.15
AV	5.148G	51.92	54.00	-2.08	45.22	3	Vertical	17	1.60	-	33.60	5.25	32.15
PK	5.1768G	124.60	Inf	-Inf	117.82	3	Vertical	17	1.60	-	33.65	5.28	32.15
AV	5.1752G	111.25	Inf	-Inf	104.47	3	Vertical	17	1.60	-	33.65	5.28	32.15
PK	5.38G	61.32	74.00	-12.68	54.11	3	Vertical	17	1.60	-	33.96	5.39	32.14
AV	5.3672G	48.80	54.00	-5.20	41.63	3	Vertical	17	1.60	-	33.93	5.38	32.14
PK	5.4744G	57.74	68.20	-10.46	50.40	3	Vertical	17	1.60	-	34.00	5.47	32.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

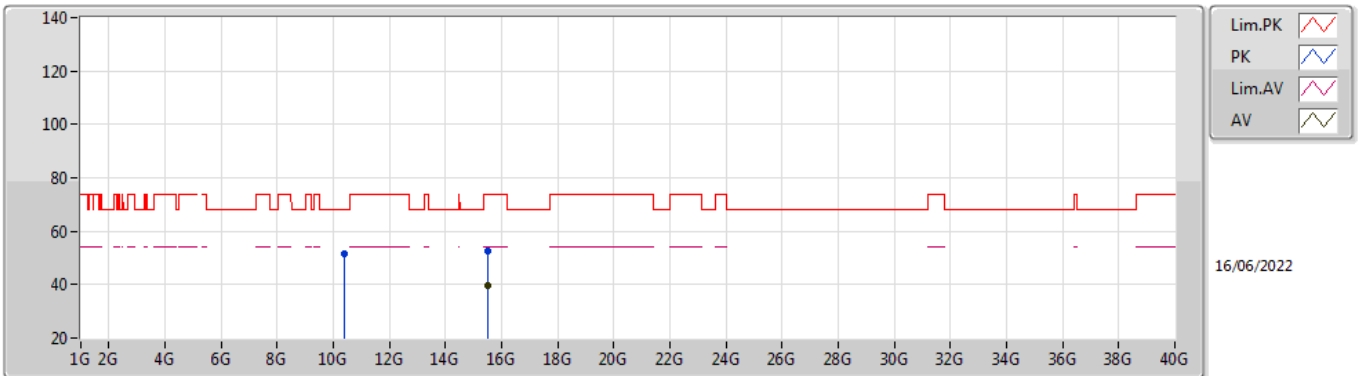


EUT_V_2TX
Setting 24.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	70.48	74.00	-3.52	63.78	3	Horizontal	10	1.61	-	33.60	5.25	32.15
AV	5.1496G	53.50	54.00	-0.50	46.80	3	Horizontal	10	1.61	-	33.60	5.25	32.15
PK	5.1784G	124.20	Inf	-Inf	117.41	3	Horizontal	10	1.61	-	33.66	5.28	32.15
AV	5.1784G	110.42	Inf	-Inf	103.63	3	Horizontal	10	1.61	-	33.66	5.28	32.15
PK	5.3704G	64.34	74.00	-9.66	57.15	3	Horizontal	10	1.61	-	33.94	5.39	32.14
AV	5.3704G	50.95	54.00	-3.05	43.76	3	Horizontal	10	1.61	-	33.94	5.39	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

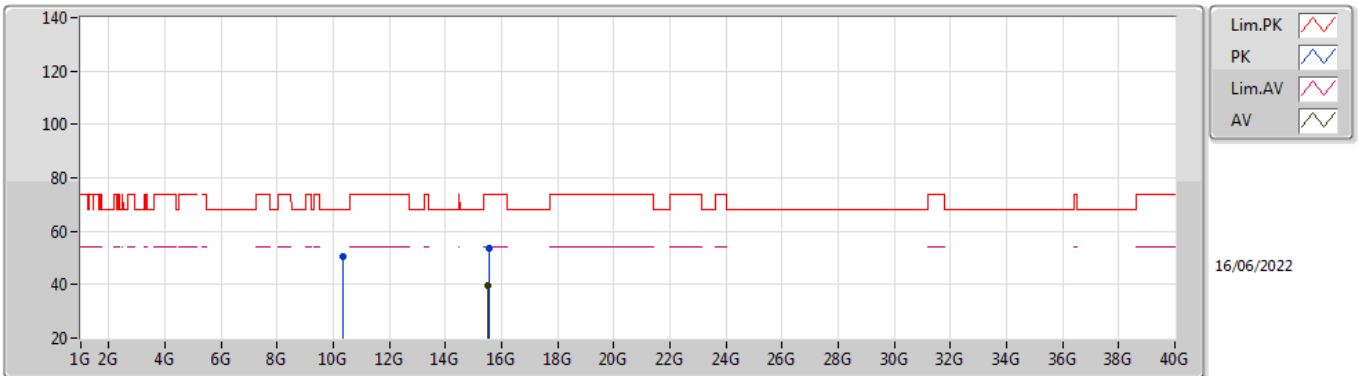


EUT V_2TX
Setting 24.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.37266G	51.69	68.20	-16.51	38.58	3	Vertical	185	1.96	-	38.63	7.45	32.97
PK	15.52554G	52.84	74.00	-21.16	38.28	3	Vertical	230	2.59	-	37.95	9.79	33.18
AV	15.52656G	39.40	54.00	-14.60	24.85	3	Vertical	230	2.59	-	37.94	9.79	33.18

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

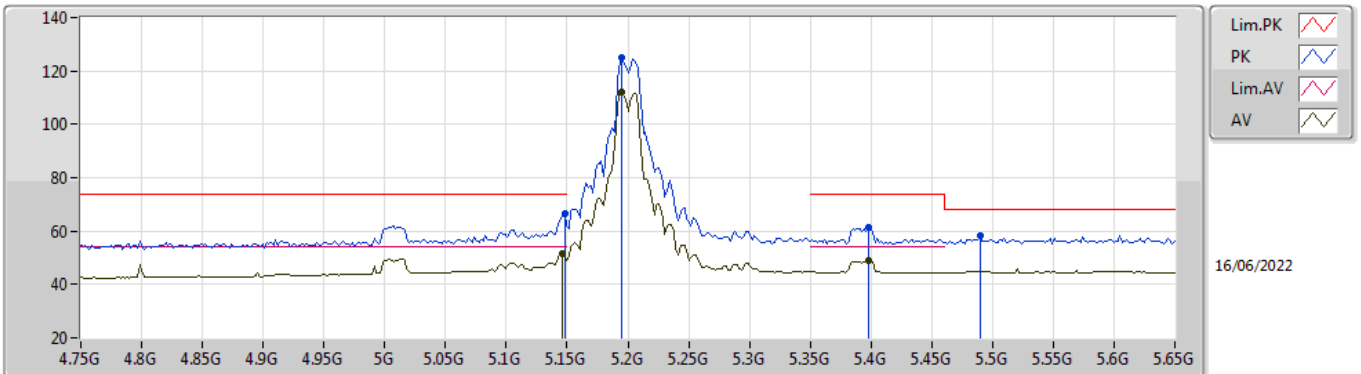


EUT_V_2TX
Setting 24.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.36456G	50.77	68.20	-17.43	37.64	3	Horizontal	168	2.31	-	38.64	7.45	32.96
PK	15.5376G	53.38	74.00	-20.62	38.91	3	Horizontal	155	2.00	-	37.87	9.79	33.19
AV	15.5283G	39.44	54.00	-14.56	24.90	3	Horizontal	155	2.00	-	37.93	9.79	33.18

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

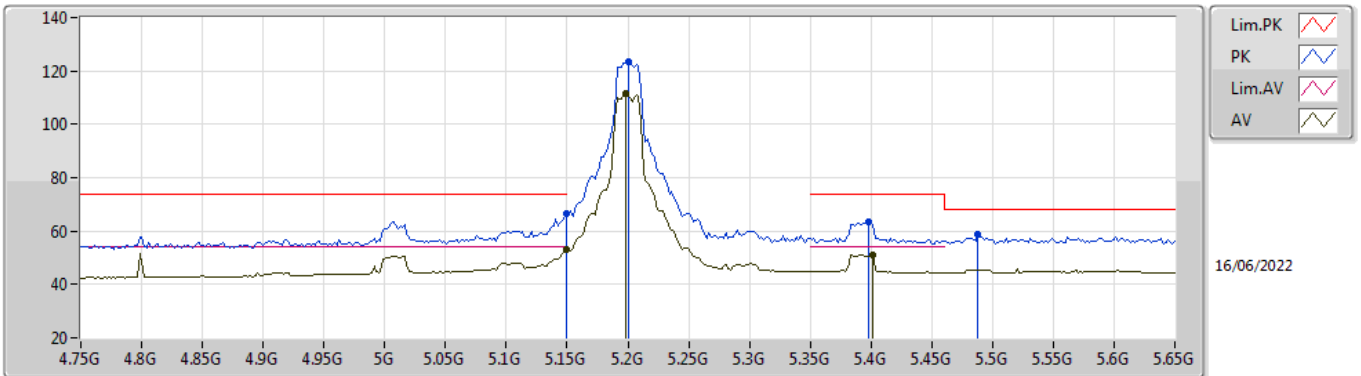


EUT V_2TX
Setting 26.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1478G	66.76	74.00	-7.24	60.06	3	Vertical	10	1.76	-	33.60	5.25	32.15
AV	5.146G	51.63	54.00	-2.37	44.94	3	Vertical	10	1.76	-	33.59	5.25	32.15
PK	5.1946G	125.19	Inf	-Inf	118.36	3	Vertical	10	1.76	-	33.69	5.29	32.15
AV	5.1946G	112.22	Inf	-Inf	105.39	3	Vertical	10	1.76	-	33.69	5.29	32.15
PK	5.398G	61.32	74.00	-12.68	54.06	3	Vertical	10	1.76	-	34.00	5.40	32.14
AV	5.398G	49.01	54.00	-4.99	41.75	3	Vertical	10	1.76	-	34.00	5.40	32.14
PK	5.4898G	58.42	68.20	-9.78	51.06	3	Vertical	10	1.76	-	34.00	5.49	32.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

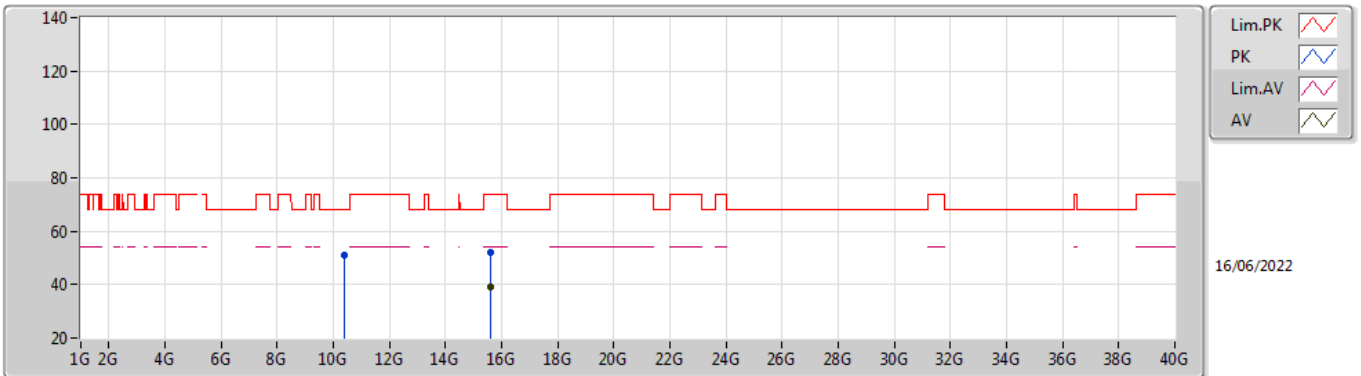


EUT V_2TX
Setting 26.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	66.63	74.00	-7.37	59.93	3	Horizontal	9	1.67	-	33.60	5.25	32.15
AV	5.1496G	53.15	54.00	-0.85	46.45	3	Horizontal	9	1.67	-	33.60	5.25	32.15
PK	5.2G	123.67	Inf	-Inf	116.82	3	Horizontal	9	1.67	-	33.70	5.30	32.15
AV	5.1982G	111.53	Inf	-Inf	104.68	3	Horizontal	9	1.67	-	33.70	5.30	32.15
PK	5.398G	63.31	74.00	-10.69	56.05	3	Horizontal	9	1.67	-	34.00	5.40	32.14
AV	5.4016G	50.90	54.00	-3.10	43.64	3	Horizontal	9	1.67	-	34.00	5.40	32.14
PK	5.488G	58.83	68.20	-9.37	51.47	3	Horizontal	9	1.67	-	34.00	5.49	32.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

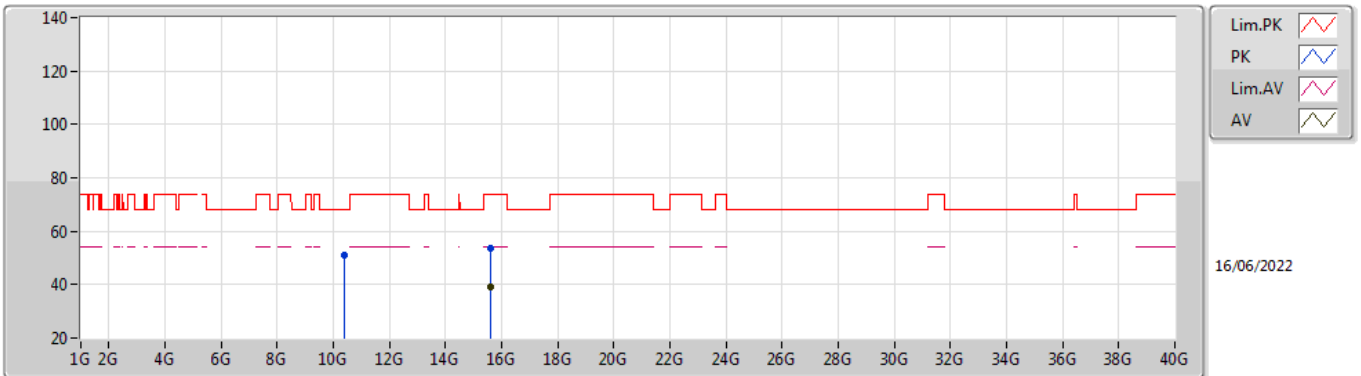


EUT V_2TX
Setting 26.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.39034G	51.26	68.20	-16.94	38.17	3	Vertical	156	2.44	-	38.61	7.46	32.98
PK	15.58584G	52.17	74.00	-21.83	38.03	3	Vertical	13	2.02	-	37.58	9.81	33.25
AV	15.5871G	39.18	54.00	-14.82	25.04	3	Vertical	13	2.02	-	37.58	9.81	33.25

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

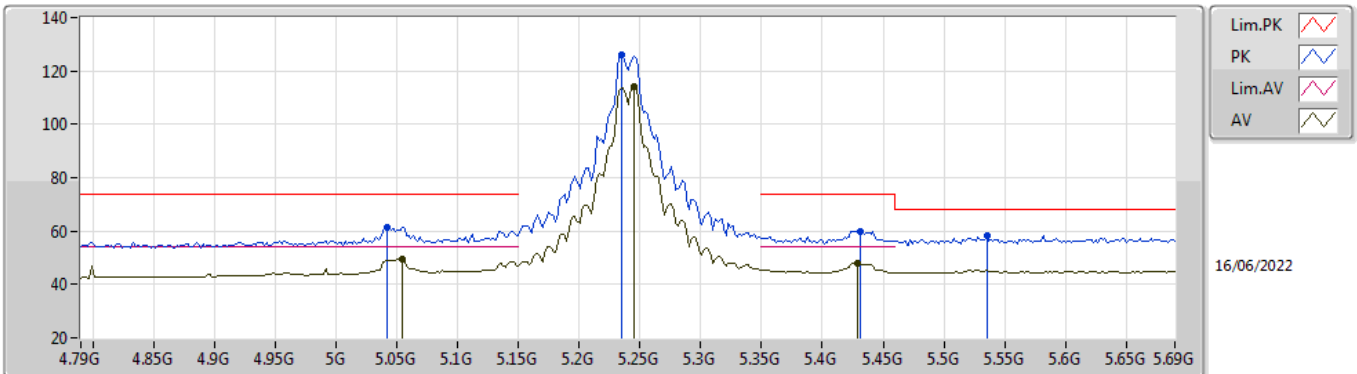


EUT V_2TX
Setting 26.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.39124G	51.19	68.20	-17.01	38.10	3	Horizontal	118	2.71	-	38.61	7.46	32.98
PK	15.58746G	53.48	74.00	-20.52	39.34	3	Horizontal	301	1.50	-	37.58	9.81	33.25
AV	15.5922G	39.21	54.00	-14.79	25.10	3	Horizontal	301	1.50	-	37.55	9.82	33.26

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

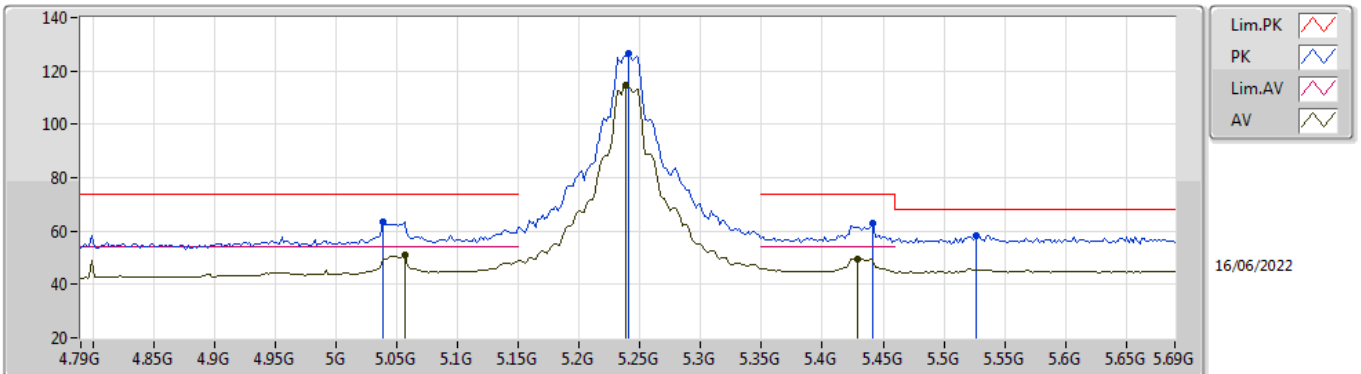


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.042G	61.33	74.00	-12.67	54.87	3	Vertical	8	1.69	-	33.48	5.14	32.16	
AV	5.054G	49.50	54.00	-4.50	43.01	3	Vertical	8	1.69	-	33.50	5.15	32.16	
PK	5.2346G	126.00	Inf	-Inf	119.13	3	Vertical	8	1.69	-	33.70	5.32	32.15	
AV	5.2454G	113.89	Inf	-Inf	107.02	3	Vertical	8	1.69	-	33.70	5.32	32.15	
PK	5.4308G	60.06	74.00	-13.94	52.76	3	Vertical	8	1.69	-	34.00	5.43	32.13	
AV	5.429G	47.98	54.00	-6.02	40.68	3	Vertical	8	1.69	-	34.00	5.43	32.13	
PK	5.5352G	58.29	68.20	-9.91	50.88	3	Vertical	8	1.69	-	34.00	5.54	32.13	

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

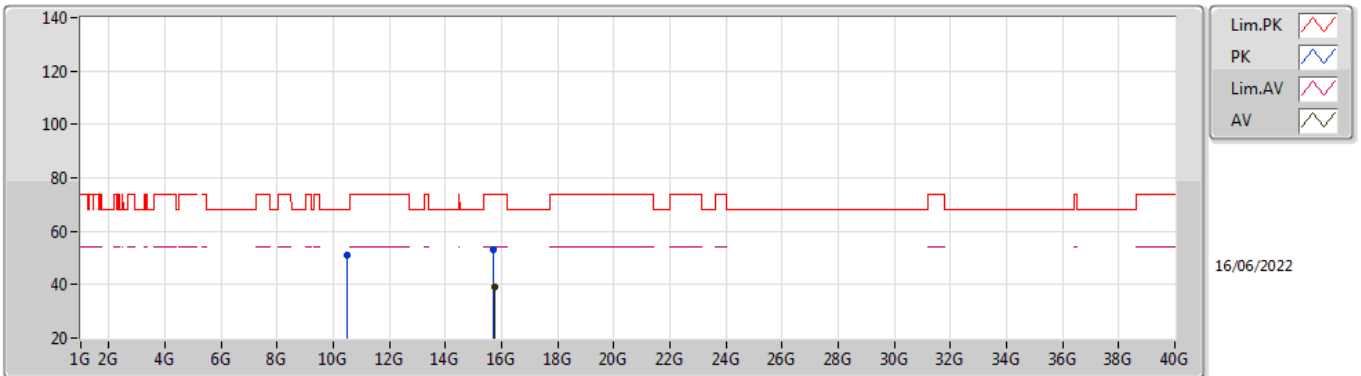


EUT_V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.0384G	63.62	74.00	-10.38	57.16	3	Horizontal	12	1.55	-	33.48	5.14	32.16
AV	5.0564G	50.79	54.00	-3.21	44.29	3	Horizontal	12	1.55	-	33.50	5.16	32.16
PK	5.24G	126.68	Inf	-Inf	119.81	3	Horizontal	12	1.55	-	33.70	5.32	32.15
AV	5.2382G	114.49	Inf	-Inf	107.62	3	Horizontal	12	1.55	-	33.70	5.32	32.15
PK	5.4416G	62.75	74.00	-11.25	55.44	3	Horizontal	12	1.55	-	34.00	5.44	32.13
AV	5.429G	49.56	54.00	-4.44	42.26	3	Horizontal	12	1.55	-	34.00	5.43	32.13
PK	5.5262G	58.39	68.20	-9.81	50.99	3	Horizontal	12	1.55	-	34.00	5.53	32.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

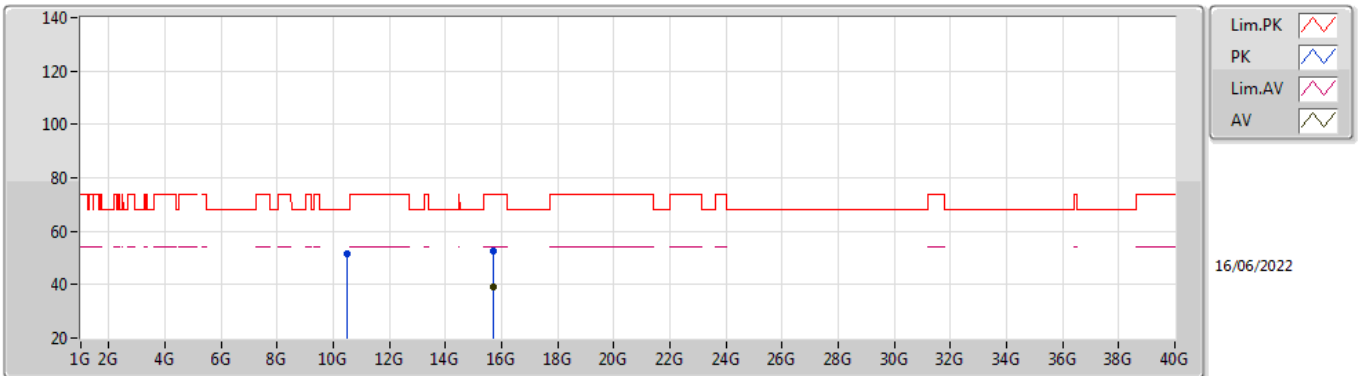


EUT Y_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	10.48822G	50.92	68.20	-17.28	37.86	3	Vertical	165	1.43	-	38.60	7.50	33.04	
PK	15.72876G	53.30	74.00	-20.70	39.34	3	Vertical	212	1.95	-	37.50	9.88	33.42	
AV	15.73398G	39.02	54.00	-14.98	25.07	3	Vertical	212	1.95	-	37.50	9.88	33.43	

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

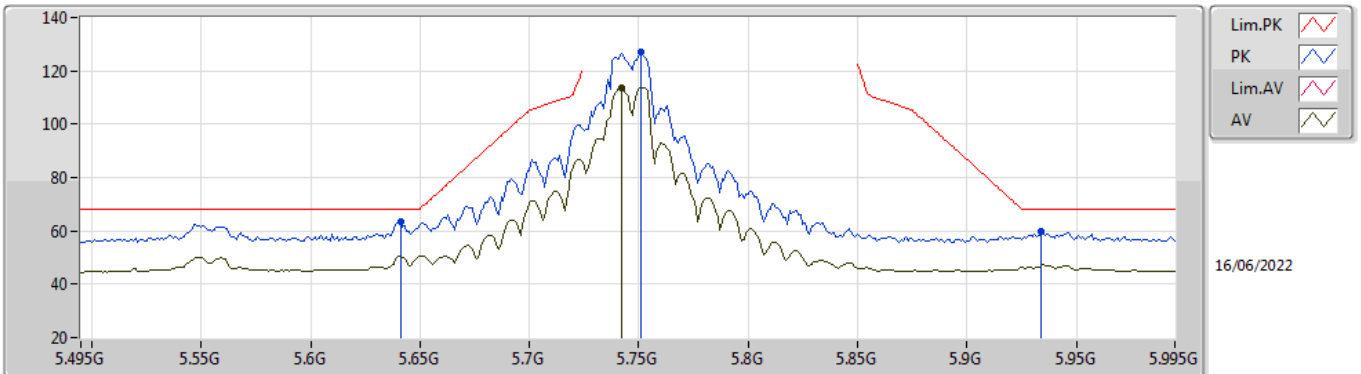


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.47832G	51.36	68.20	-16.84	38.31	3	Horizontal	201	1.94	-	38.60	7.49	33.04
PK	15.71418G	52.53	74.00	-21.47	38.56	3	Horizontal	102	2.50	-	37.50	9.87	33.40
AV	15.71484G	39.02	54.00	-14.98	25.05	3	Horizontal	102	2.50	-	37.50	9.87	33.40

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

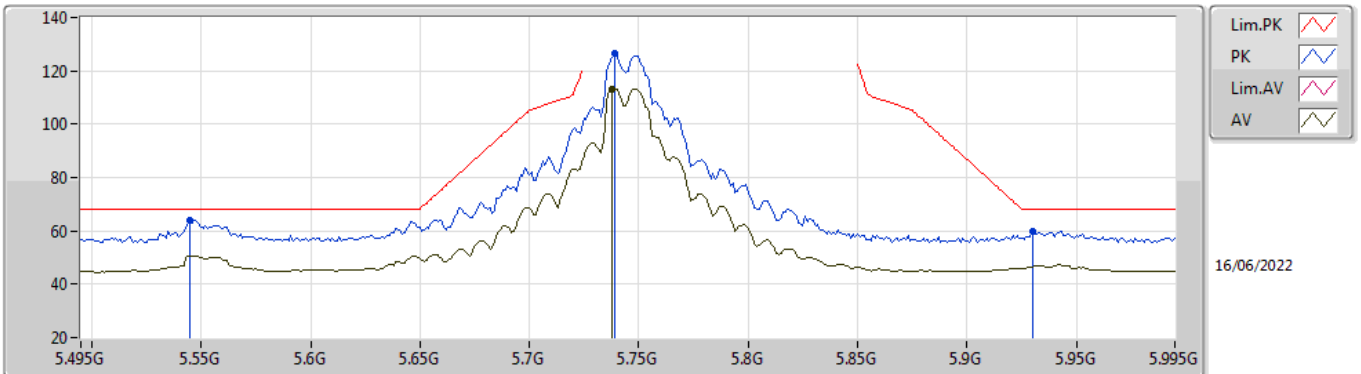


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.641G	63.41	68.20	-4.79	56.13	3	Vertical	10	1.63	-	33.82	5.60	32.14	
PK	5.751G	127.02	Inf	-Inf	119.77	3	Vertical	10	1.63	-	33.80	5.60	32.15	
AV	5.742G	113.86	Inf	-Inf	106.58	3	Vertical	10	1.63	-	33.82	5.60	32.14	
PK	5.934G	59.78	68.20	-8.42	52.04	3	Vertical	10	1.63	-	34.17	5.73	32.16	

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

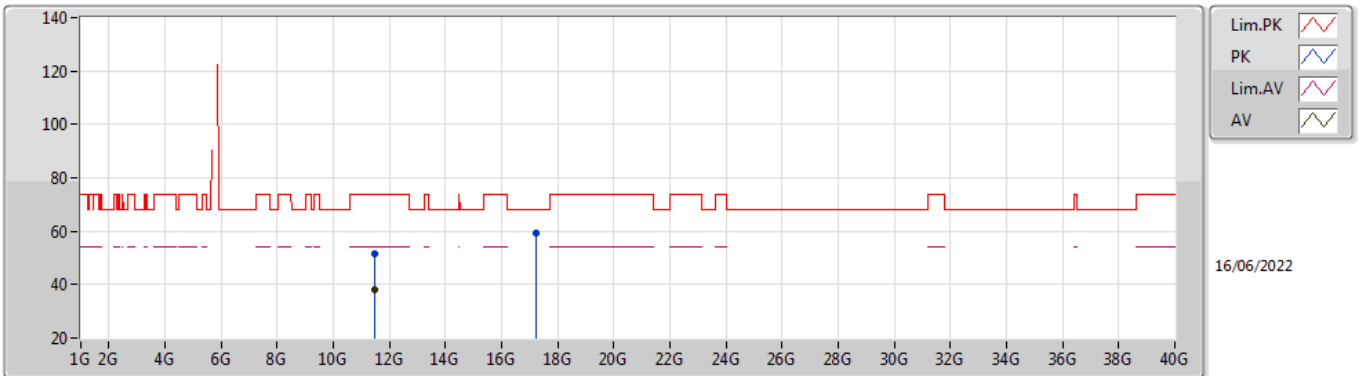


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.545G	64.00	68.20	-4.20	56.59	3	Horizontal	20	1.72	-	34.00	5.54	32.13	
PK	5.739G	126.68	Inf	-Inf	119.40	3	Horizontal	20	1.72	-	33.82	5.60	32.14	
AV	5.738G	113.34	Inf	-Inf	106.06	3	Horizontal	20	1.72	-	33.82	5.60	32.14	
PK	5.93G	59.91	68.20	-8.29	52.18	3	Horizontal	20	1.72	-	34.16	5.73	32.16	

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

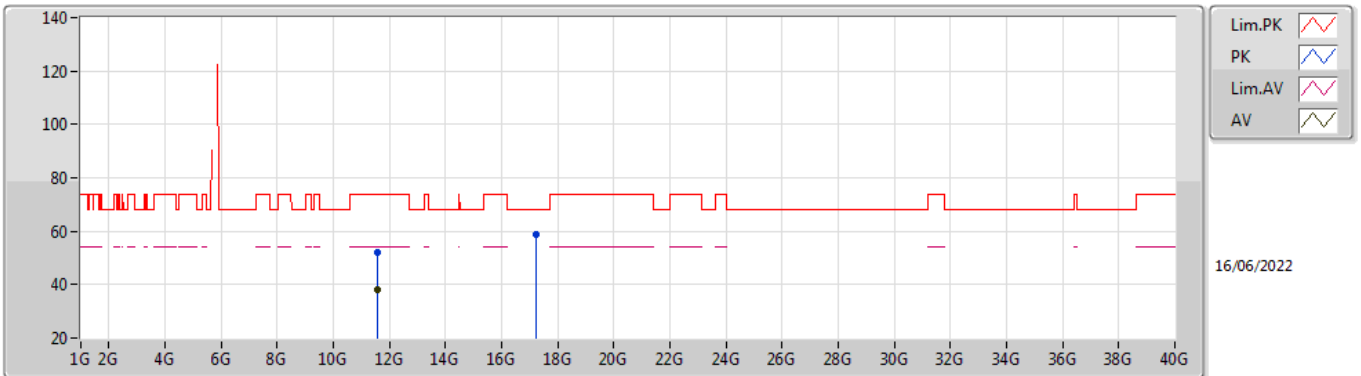


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48796G	51.67	74.00	-22.33	38.01	3	Vertical	16	1.69	-	38.98	7.90	33.22
AV	11.48526G	38.01	54.00	-15.99	24.37	3	Vertical	16	1.69	-	38.97	7.89	33.22
PK	17.24424G	59.22	68.20	-8.98	39.64	3	Vertical	255	1.06	-	42.22	10.62	33.26

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

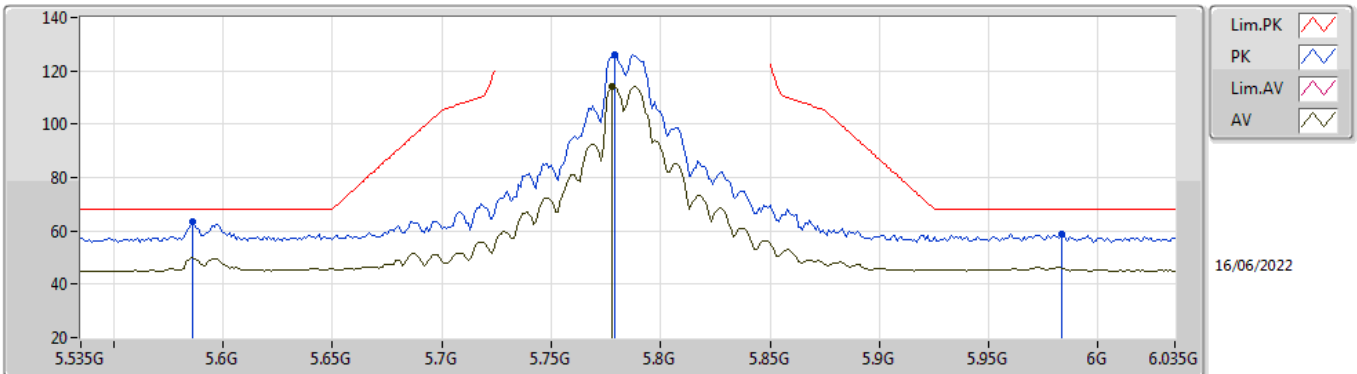


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57288G	52.17	74.00	-21.83	38.26	3	Horizontal	56	1.53	-	39.22	7.93	33.24
AV	11.56946G	38.21	54.00	-15.79	24.31	3	Horizontal	56	1.53	-	39.21	7.93	33.24
PK	17.22498G	59.00	68.20	-9.20	39.55	3	Horizontal	158	1.22	-	42.12	10.61	33.28

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

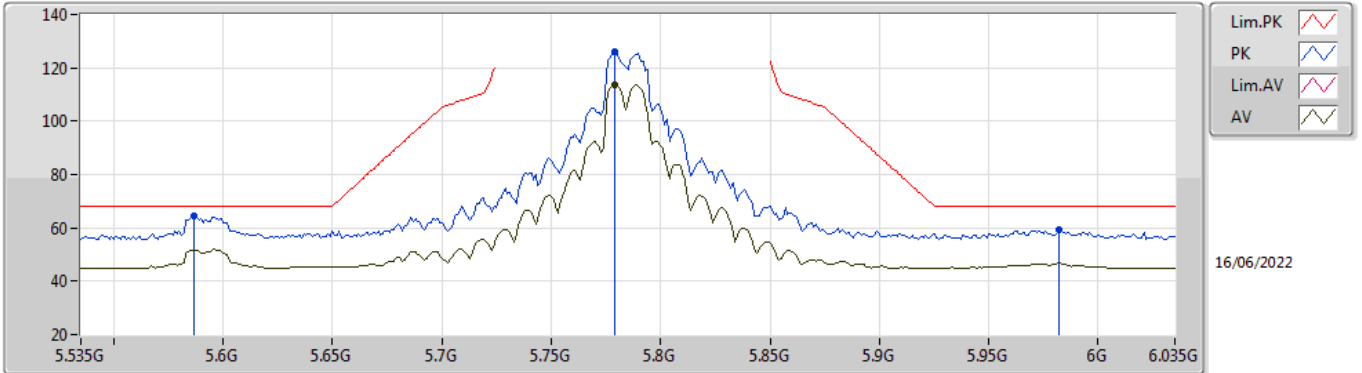


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.586G	63.32	68.20	-4.88	55.94	3	Vertical	341	1.80	-	33.93	5.59	32.14	
PK	5.779G	125.87	Inf	-Inf	118.62	3	Vertical	341	1.80	-	33.80	5.60	32.15	
AV	5.778G	114.04	Inf	-Inf	106.79	3	Vertical	341	1.80	-	33.80	5.60	32.15	
PK	5.983G	58.75	68.20	-9.45	50.93	3	Vertical	341	1.80	-	34.20	5.78	32.16	

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

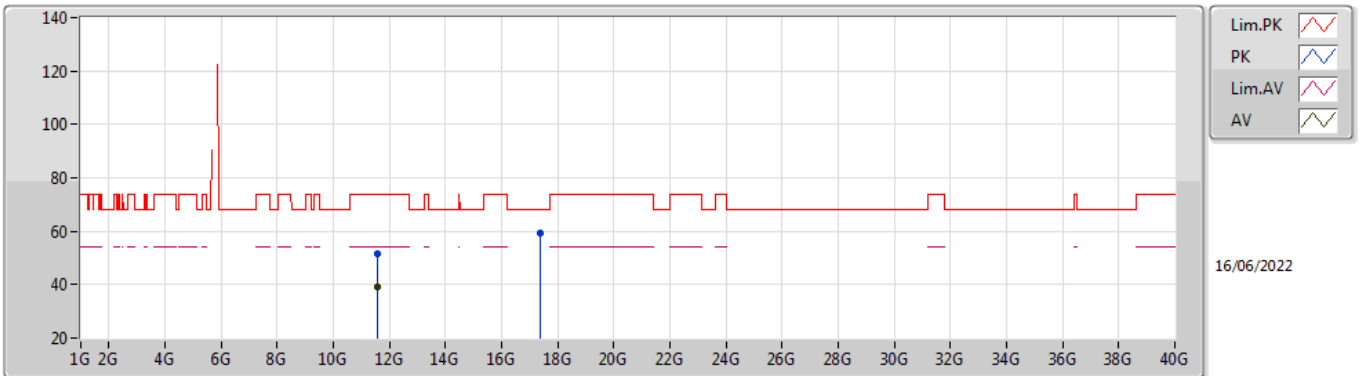


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.587G	64.65	68.20	-3.55	57.27	3	Horizontal	23	1.78	-	33.93	5.59	32.14	
PK	5.779G	125.95	Inf	-Inf	118.70	3	Horizontal	23	1.78	-	33.80	5.60	32.15	
AV	5.779G	113.48	Inf	-Inf	106.23	3	Horizontal	23	1.78	-	33.80	5.60	32.15	
PK	5.982G	59.33	68.20	-8.87	51.51	3	Horizontal	23	1.78	-	34.20	5.78	32.16	

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

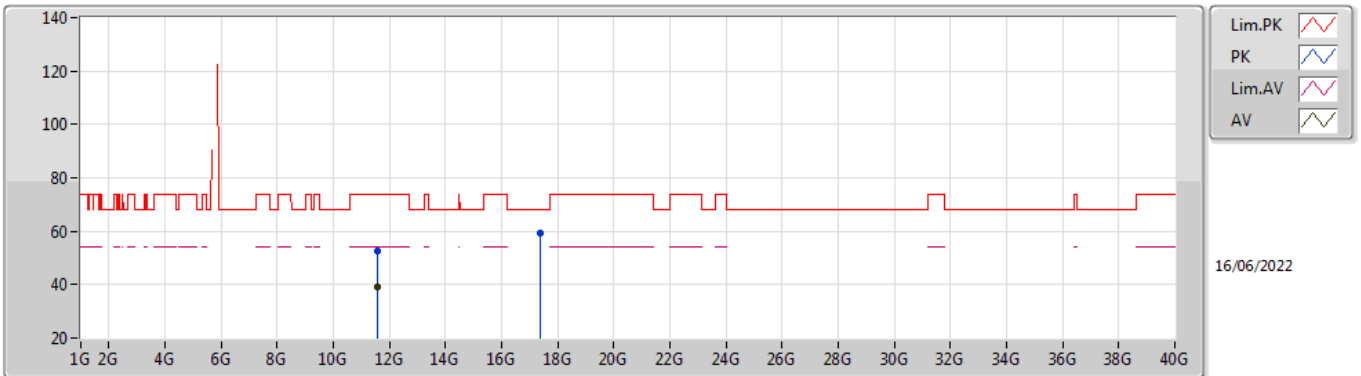


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.582G	51.62	74.00	-22.38	37.68	3	Vertical	108	2.11	-	39.25	7.93	33.24	
AV	11.57G	39.07	54.00	-14.93	25.17	3	Vertical	108	2.11	-	39.21	7.93	33.24	
PK	17.36478G	59.53	68.20	-8.67	39.08	3	Vertical	247	1.61	-	42.89	10.68	33.12	

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

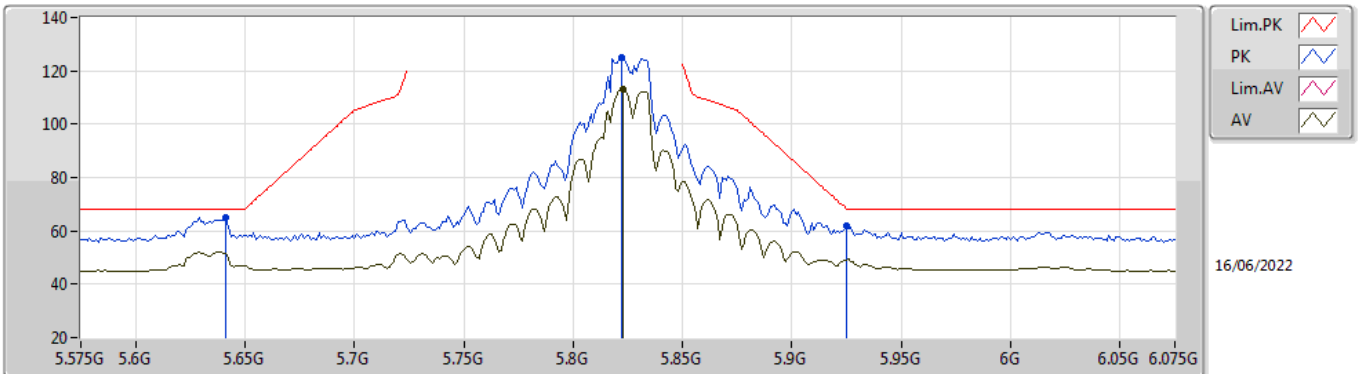


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.56166G	52.37	74.00	-21.63	38.51	3	Horizontal	181	2.83	-	39.18	7.92	33.24	
AV	11.57G	39.07	54.00	-14.93	25.17	3	Horizontal	181	2.83	-	39.21	7.93	33.24	
PK	17.36544G	59.49	68.20	-8.71	39.04	3	Horizontal	16	2.59	-	42.89	10.68	33.12	

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

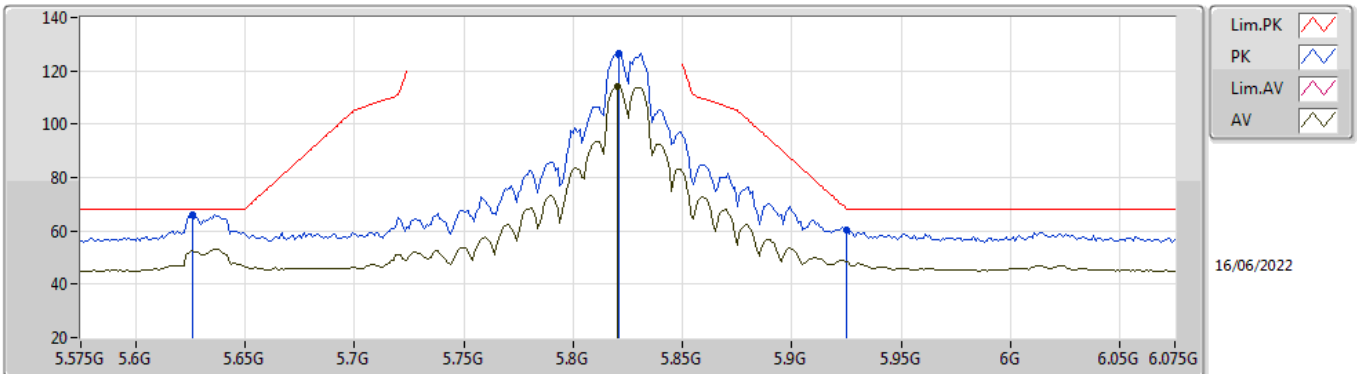


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.641G	64.89	68.20	-3.31	57.61	3	Vertical	10	1.68	-	33.82	5.60	32.14
PK	5.822G	124.92	Inf	-Inf	117.65	3	Vertical	10	1.68	-	33.80	5.62	32.15
AV	5.823G	113.24	Inf	-Inf	105.97	3	Vertical	10	1.68	-	33.80	5.62	32.15
PK	5.925G	61.73	68.20	-6.47	54.01	3	Vertical	10	1.68	-	34.15	5.73	32.16

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

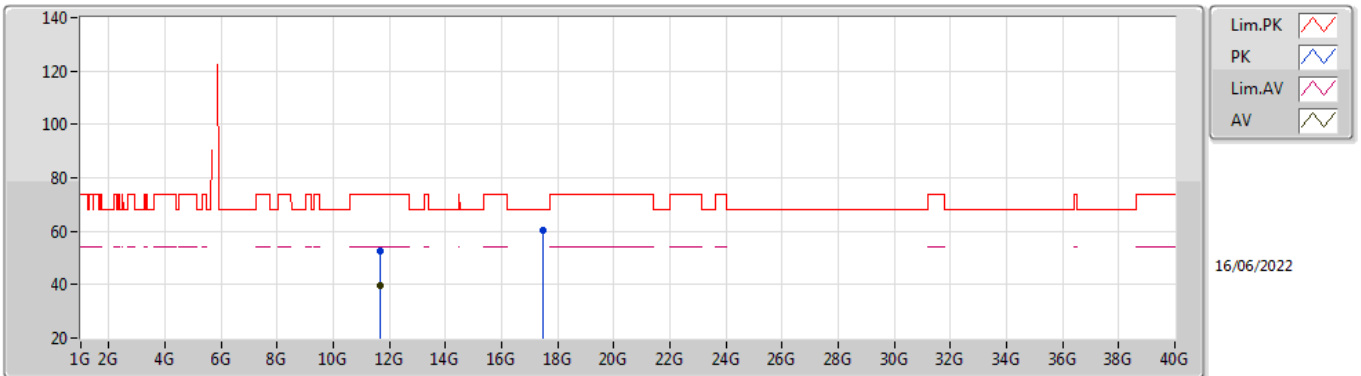


EUT V_2TX
Setting 29
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.626G	65.90	68.20	-2.30	58.59	3	Horizontal	28	1.54	-	33.85	5.60	32.14
PK	5.821G	126.70	Inf	-Inf	119.43	3	Horizontal	28	1.54	-	33.80	5.62	32.15
AV	5.82G	114.00	Inf	-Inf	106.73	3	Horizontal	28	1.54	-	33.80	5.62	32.15
PK	5.925G	60.46	68.20	-7.74	52.74	3	Horizontal	28	1.54	-	34.15	5.73	32.16

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

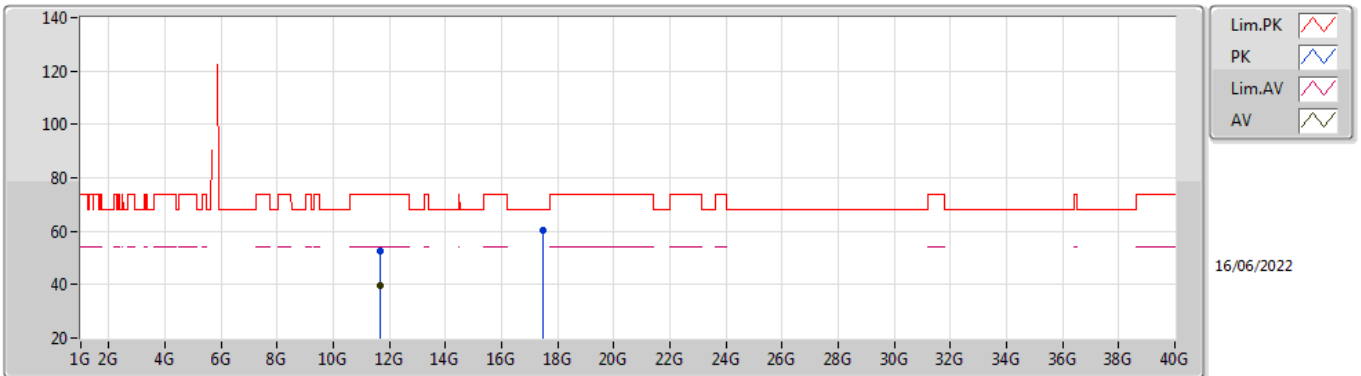


EUT V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.65012G	52.68	74.00	-21.32	38.58	3	Vertical	4	2.35	-	39.40	7.96	33.26	
AV	11.64988G	39.63	54.00	-14.37	25.53	3	Vertical	4	2.35	-	39.40	7.96	33.26	
PK	17.4876G	60.22	68.20	-7.98	38.66	3	Vertical	154	1.61	-	43.80	10.74	32.98	

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

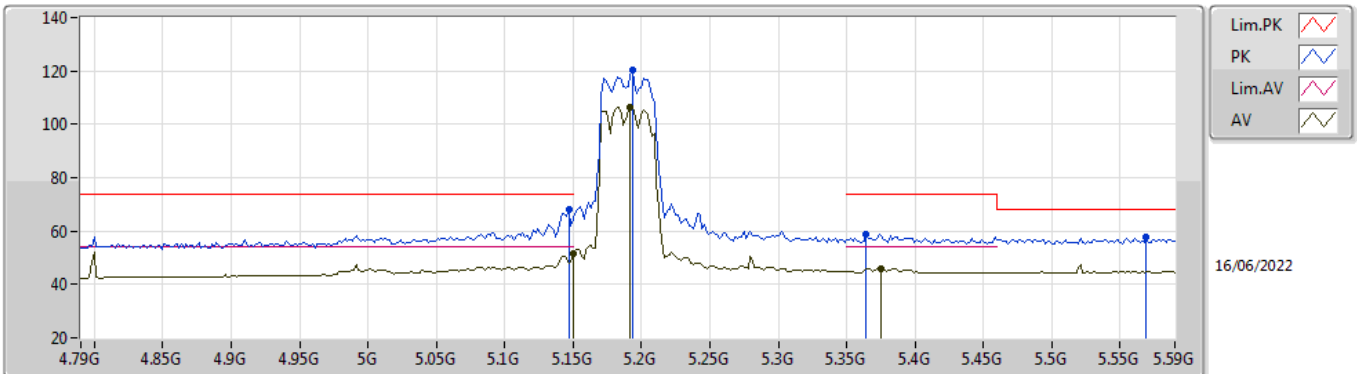


EUT_V_2TX
Setting 29
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.65648G	52.34	74.00	-21.66	38.23	3	Horizontal	96	1.14	-	39.41	7.96	33.26	
AV	11.64982G	39.53	54.00	-14.47	25.43	3	Horizontal	96	1.14	-	39.40	7.96	33.26	
PK	17.46708G	60.13	68.20	-8.07	38.77	3	Horizontal	132	2.18	-	43.64	10.73	33.01	

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

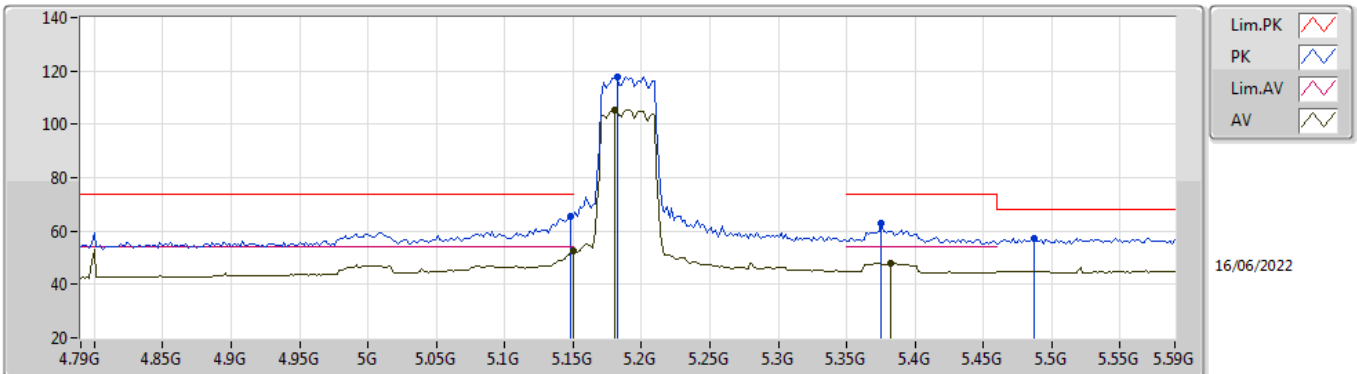


EUT_V_2TX
Setting 23
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1468G	67.90	74.00	-6.10	61.21	3	Vertical	333	1.76	-	33.59	5.25	32.15
AV	5.15G	51.35	54.00	-2.65	44.65	3	Vertical	333	1.76	-	33.60	5.25	32.15
PK	5.1932G	120.15	Inf	-Inf	113.32	3	Vertical	333	1.76	-	33.69	5.29	32.15
AV	5.1916G	106.58	Inf	-Inf	99.76	3	Vertical	333	1.76	-	33.68	5.29	32.15
PK	5.3644G	58.60	74.00	-15.40	51.43	3	Vertical	333	1.76	-	33.93	5.38	32.14
AV	5.3756G	46.09	54.00	-7.91	38.89	3	Vertical	333	1.76	-	33.95	5.39	32.14
PK	5.5692G	57.52	68.20	-10.68	50.12	3	Vertical	333	1.76	-	33.96	5.57	32.13

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

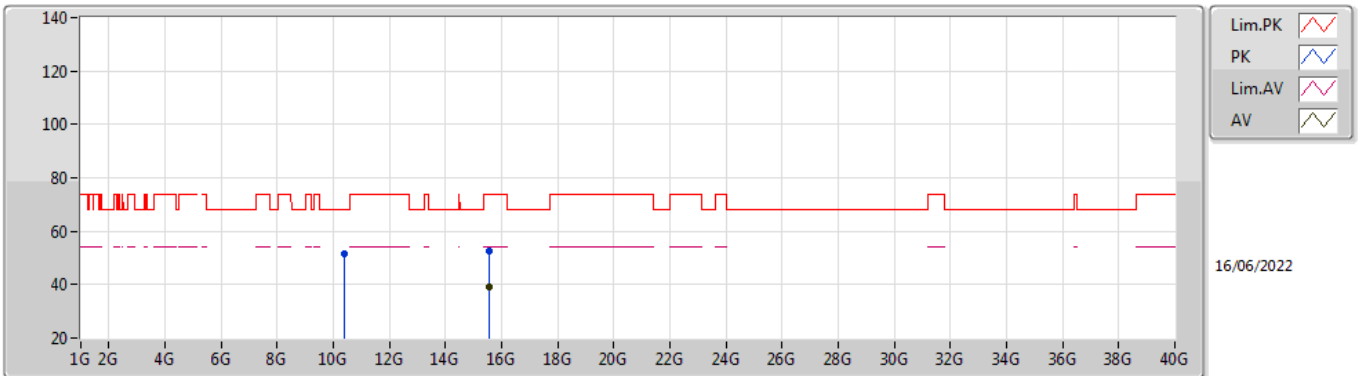


EUT_V_2TX
Setting 23
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1484G	65.67	74.00	-8.33	58.97	3	Horizontal	13	1.64	-	33.60	5.25	32.15
AV	5.15G	52.46	54.00	-1.54	45.76	3	Horizontal	13	1.64	-	33.60	5.25	32.15
PK	5.182G	117.69	Inf	-Inf	110.90	3	Horizontal	13	1.64	-	33.66	5.28	32.15
AV	5.1804G	105.52	Inf	-Inf	98.73	3	Horizontal	13	1.64	-	33.66	5.28	32.15
PK	5.3756G	62.85	74.00	-11.15	55.65	3	Horizontal	13	1.64	-	33.95	5.39	32.14
AV	5.382G	47.91	54.00	-6.09	40.70	3	Horizontal	13	1.64	-	33.96	5.39	32.14
PK	5.4876G	57.42	68.20	-10.78	50.06	3	Horizontal	13	1.64	-	34.00	5.49	32.13

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

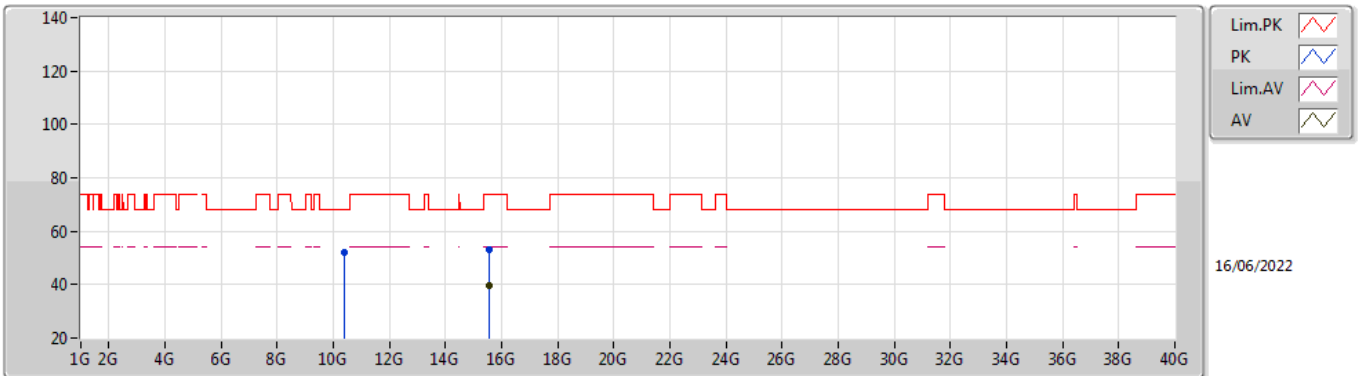


EUT_V_2TX
Setting 23
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3791G	51.40	68.20	-16.80	38.30	3	Vertical	279	1.78	-	38.62	7.45	32.97
PK	15.57066G	52.79	74.00	-21.21	38.53	3	Vertical	108	2.37	-	37.68	9.81	33.23
AV	15.57852G	39.34	54.00	-14.66	25.14	3	Vertical	108	2.37	-	37.63	9.81	33.24

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

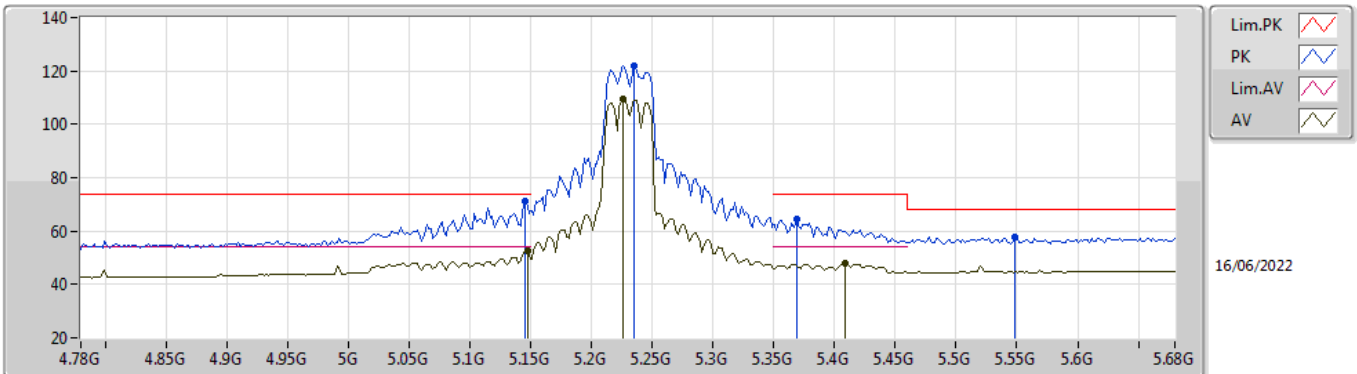


EUT V_2TX
Setting 23
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3866G	51.85	68.20	-16.35	38.77	3	Horizontal	238	1.75	-	38.61	7.45	32.98
PK	15.5637G	53.02	74.00	-20.98	38.73	3	Horizontal	138	1.84	-	37.72	9.80	33.23
AV	15.57486G	39.44	54.00	-14.56	25.22	3	Horizontal	138	1.84	-	37.65	9.81	33.24

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

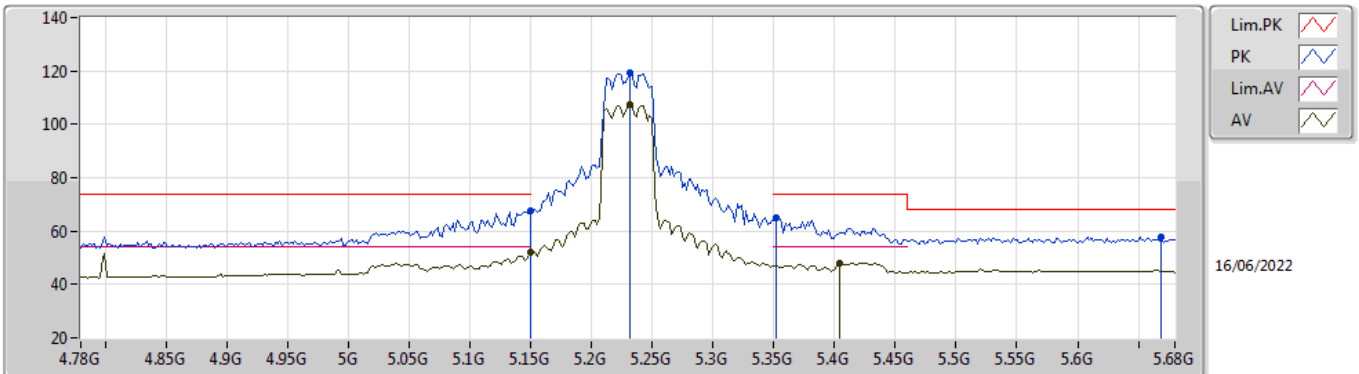


EUT V_2TX
Setting 25
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1454G	70.99	74.00	-3.01	64.30	3	Vertical	18	1.73	-	33.59	5.25	32.15
AV	5.1472G	52.37	54.00	-1.63	45.68	3	Vertical	18	1.73	-	33.59	5.25	32.15
PK	5.2354G	122.09	Inf	-Inf	115.22	3	Vertical	18	1.73	-	33.70	5.32	32.15
AV	5.2264G	109.47	Inf	-Inf	102.61	3	Vertical	18	1.73	-	33.70	5.31	32.15
PK	5.3686G	64.25	74.00	-9.75	57.07	3	Vertical	18	1.73	-	33.94	5.38	32.14
AV	5.4082G	47.73	54.00	-6.27	40.46	3	Vertical	18	1.73	-	34.00	5.41	32.14
PK	5.5486G	57.68	68.20	-10.52	50.26	3	Vertical	18	1.73	-	34.00	5.55	32.13

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

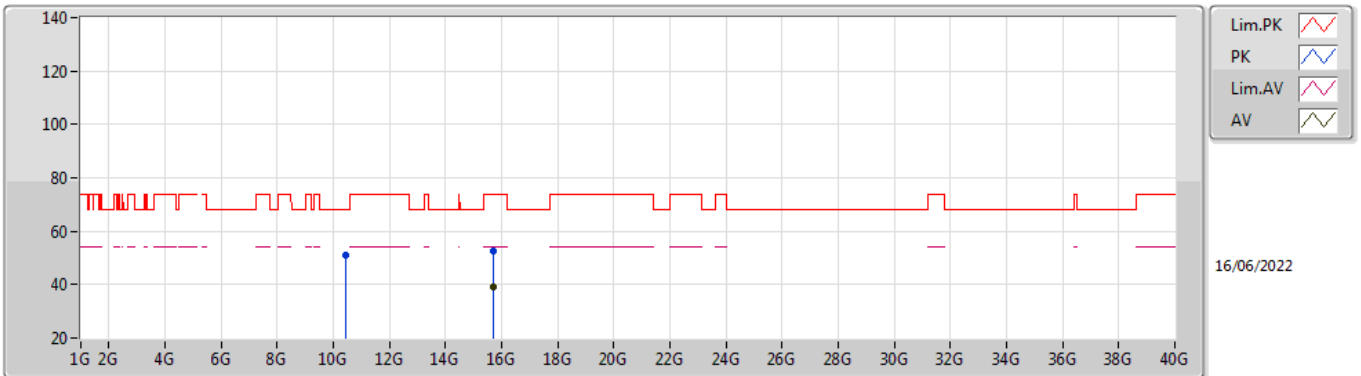


EUT_V_2TX
Setting 25
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	67.82	74.00	-6.18	61.12	3	Horizontal	22	1.80	-	33.60	5.25	32.15
AV	5.15G	52.05	54.00	-1.95	45.35	3	Horizontal	22	1.80	-	33.60	5.25	32.15
PK	5.2318G	119.41	Inf	-Inf	112.54	3	Horizontal	22	1.80	-	33.70	5.32	32.15
AV	5.2318G	107.31	Inf	-Inf	100.44	3	Horizontal	22	1.80	-	33.70	5.32	32.15
PK	5.3524G	65.24	74.00	-8.76	58.10	3	Horizontal	22	1.80	-	33.90	5.38	32.14
AV	5.4046G	48.07	54.00	-5.93	40.81	3	Horizontal	22	1.80	-	34.00	5.40	32.14
PK	5.6692G	57.85	68.20	-10.35	50.55	3	Horizontal	22	1.80	-	33.84	5.60	32.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

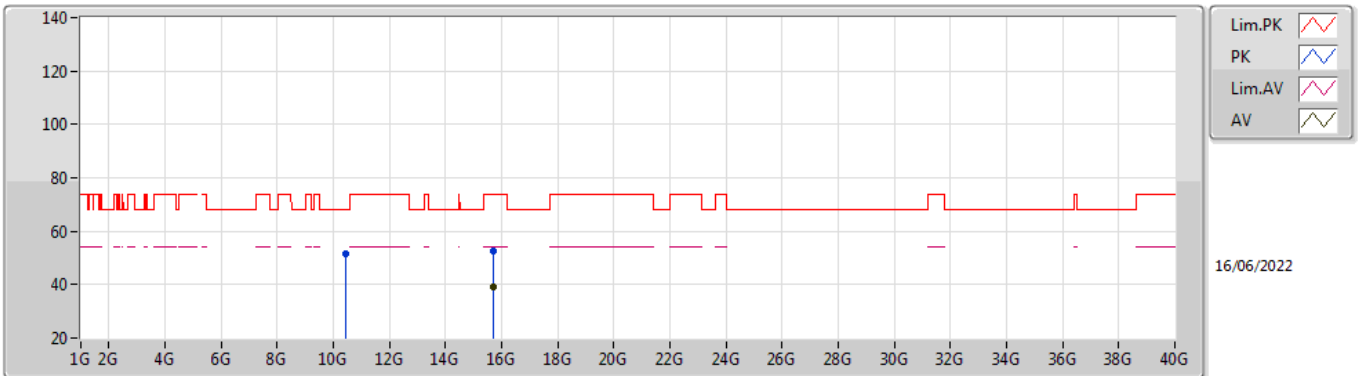


EUT V_2TX
Setting 25
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4561G	51.03	68.20	-17.17	37.97	3	Vertical	6	1.33	-	38.60	7.48	33.02
PK	15.68688G	52.81	74.00	-21.19	38.82	3	Vertical	282	1.45	-	37.50	9.86	33.37
AV	15.68304G	39.06	54.00	-14.94	25.07	3	Vertical	282	1.45	-	37.50	9.86	33.37

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

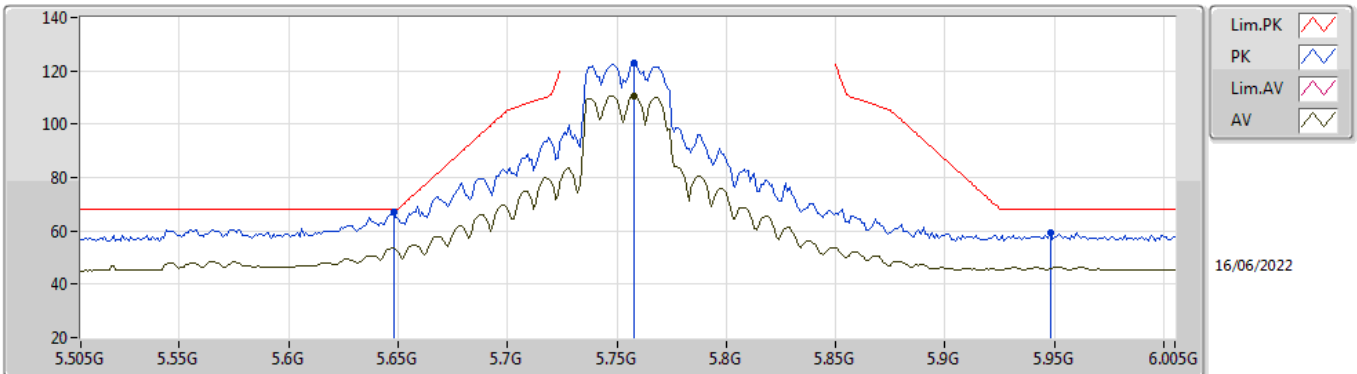


EUT_V_2TX
Setting 25
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.45472G	51.45	68.20	-16.75	38.39	3	Horizontal	286	2.23	-	38.60	7.48	33.02
PK	15.68124G	52.73	74.00	-21.27	38.73	3	Horizontal	137	1.50	-	37.50	9.86	33.36
AV	15.6837G	39.12	54.00	-14.88	25.13	3	Horizontal	137	1.50	-	37.50	9.86	33.37

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

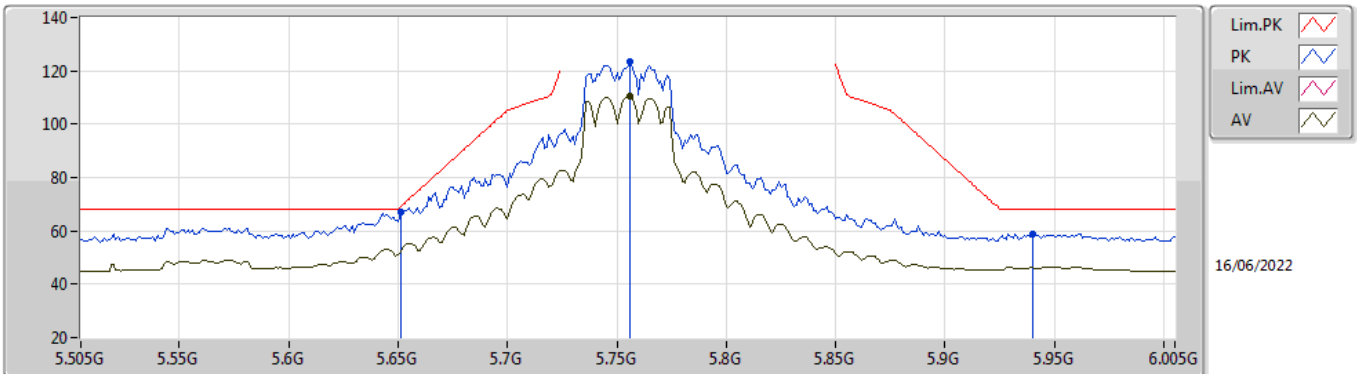


EUT V_2TX
Setting 26
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.648G	66.96	68.20	-1.24	59.70	3	Vertical	339	1.65	-	33.80	5.60	32.14	
PK	5.758G	122.70	Inf	-Inf	115.45	3	Vertical	339	1.65	-	33.80	5.60	32.15	
AV	5.758G	110.71	Inf	-Inf	103.46	3	Vertical	339	1.65	-	33.80	5.60	32.15	
PK	5.948G	59.31	68.20	-8.89	51.52	3	Vertical	339	1.65	-	34.20	5.75	32.16	

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

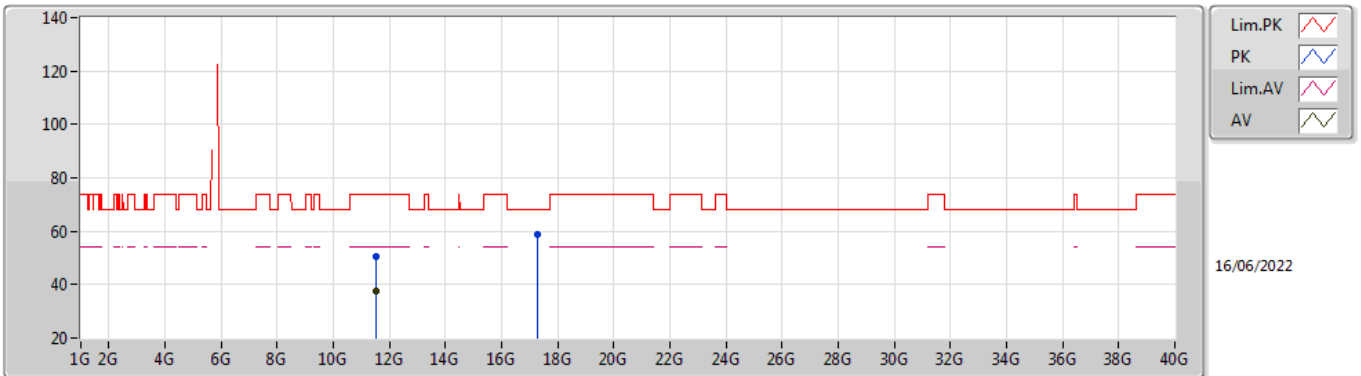


EUT V_2TX
Setting 26
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.651G	67.17	68.94	-1.77	59.91	3	Horizontal	320	1.79	-	33.80	5.60	32.14
PK	5.756G	123.42	Inf	-Inf	116.17	3	Horizontal	320	1.79	-	33.80	5.60	32.15
AV	5.756G	110.29	Inf	-Inf	103.04	3	Horizontal	320	1.79	-	33.80	5.60	32.15
PK	5.94G	58.83	68.20	-9.37	51.07	3	Horizontal	320	1.79	-	34.18	5.74	32.16

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

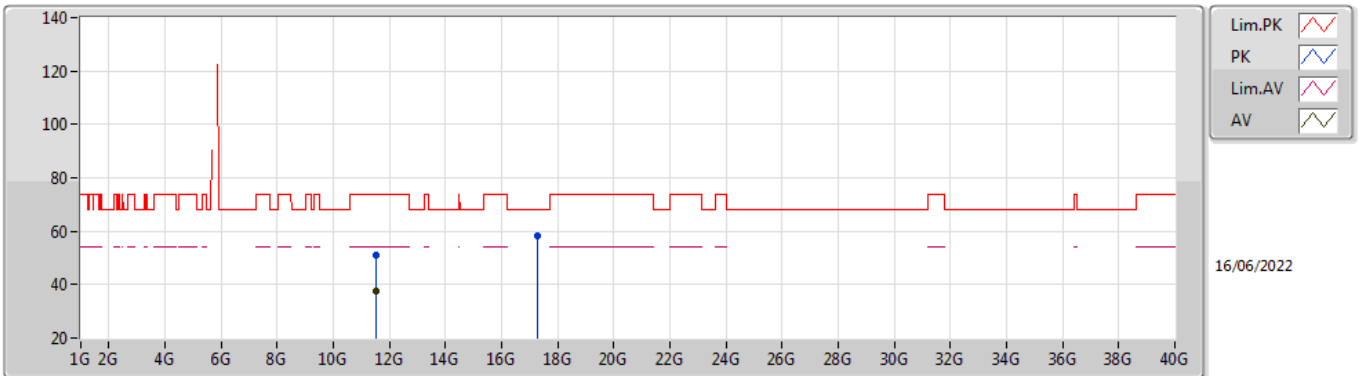


EUT_V_2TX
Setting 26
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5211G	50.71	74.00	-23.29	36.97	3	Vertical	279	2.20	-	39.06	7.91	33.23
AV	11.51528G	37.58	54.00	-16.42	23.84	3	Vertical	279	2.20	-	39.05	7.91	33.22
PK	17.26716G	58.81	68.20	-9.39	39.08	3	Vertical	341	3.00	-	42.34	10.63	33.24

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

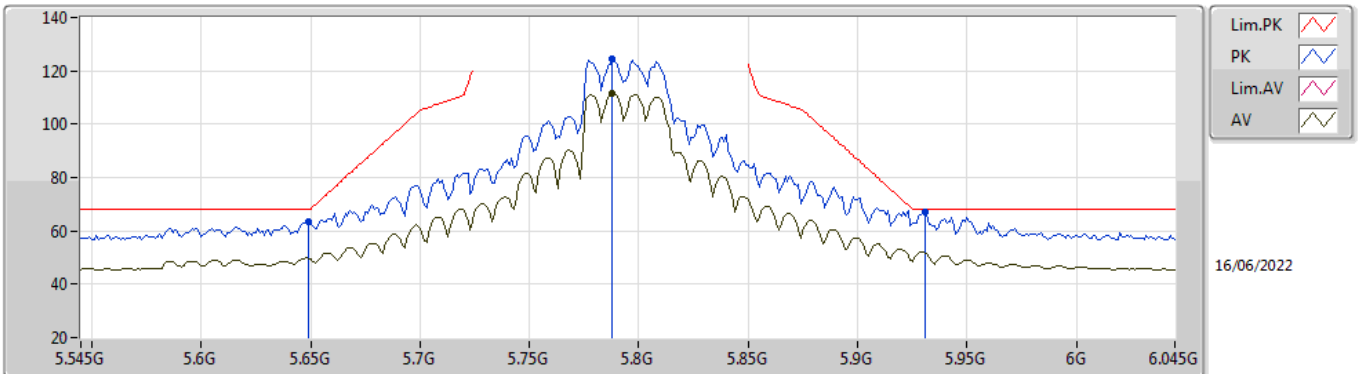


EUT_V_2TX
Setting 26
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.50016G	50.88	74.00	-23.12	37.20	3	Horizontal	328	1.33	-	39.00	7.90	33.22
AV	11.50514G	37.62	54.00	-16.38	23.92	3	Horizontal	328	1.33	-	39.02	7.90	33.22
PK	17.26308G	58.26	68.20	-9.94	38.55	3	Horizontal	260	1.47	-	42.32	10.63	33.24

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

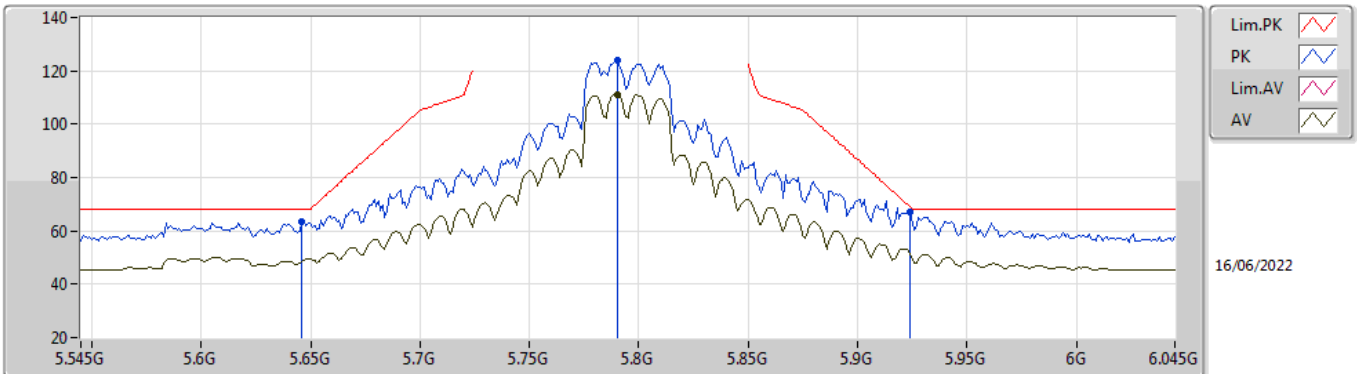


EUT V_2TX
Setting 27.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.649G	63.42	68.20	-4.78	56.16	3	Vertical	340	1.72	-	33.80	5.60	32.14	
PK	5.788G	124.42	Inf	-Inf	117.17	3	Vertical	340	1.72	-	33.80	5.60	32.15	
AV	5.788G	111.43	Inf	-Inf	104.18	3	Vertical	340	1.72	-	33.80	5.60	32.15	
PK	5.931G	67.12	68.20	-1.08	59.39	3	Vertical	340	1.72	-	34.16	5.73	32.16	

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

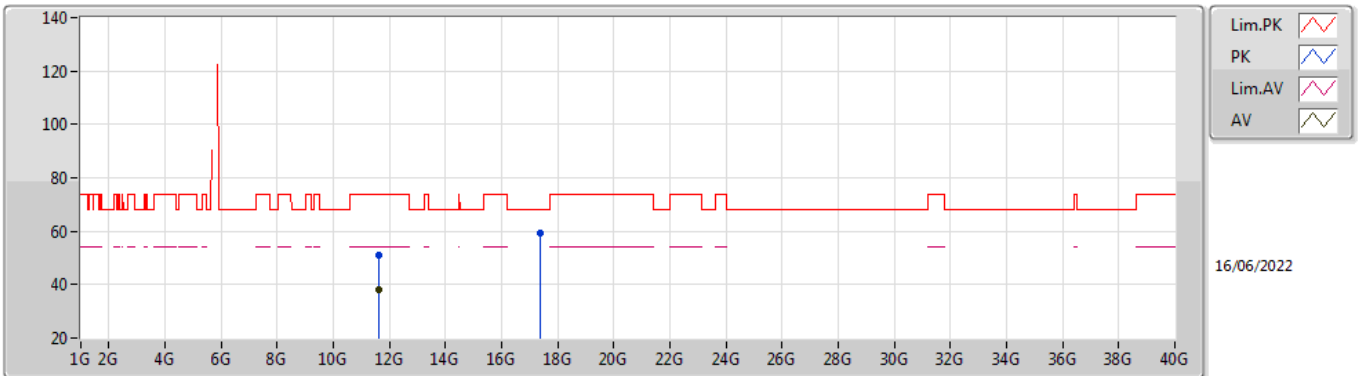


EUT V_2TX
Setting 27.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.646G	63.69	68.20	-4.51	56.42	3	Horizontal	27	1.58	-	33.81	5.60	32.14	
PK	5.79G	124.21	Inf	-Inf	116.96	3	Horizontal	27	1.58	-	33.80	5.60	32.15	
AV	5.79G	111.15	Inf	-Inf	103.90	3	Horizontal	27	1.58	-	33.80	5.60	32.15	
PK	5.924G	67.26	68.94	-1.68	59.55	3	Horizontal	27	1.58	-	34.15	5.72	32.16	

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

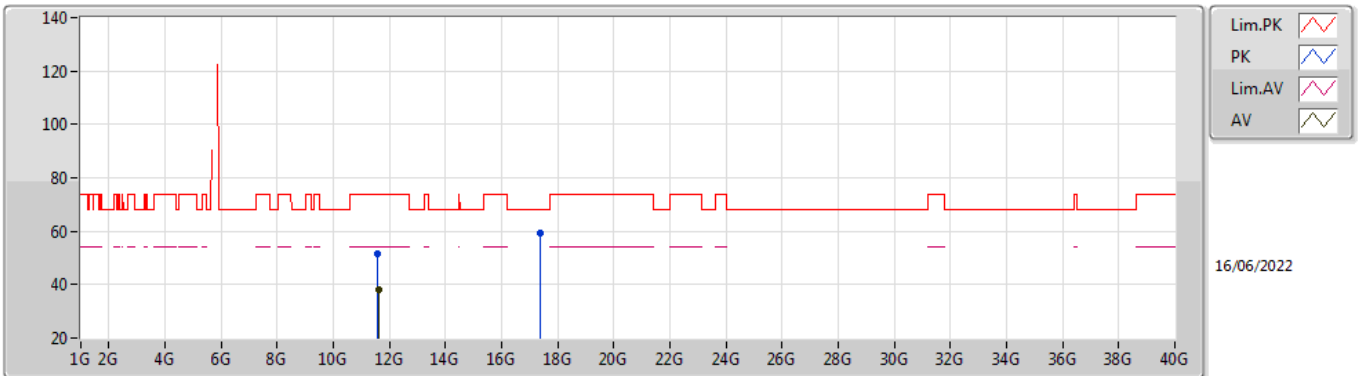


EUT V_2TX
Setting 27.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.60482G	51.04	74.00	-22.96	37.04	3	Vertical	141	2.51	-	39.31	7.94	33.25
AV	11.60116G	37.98	54.00	-16.02	23.99	3	Vertical	141	2.51	-	39.30	7.94	33.25
PK	17.39484G	59.51	68.20	-8.69	38.83	3	Vertical	178	1.70	-	43.07	10.70	33.09

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

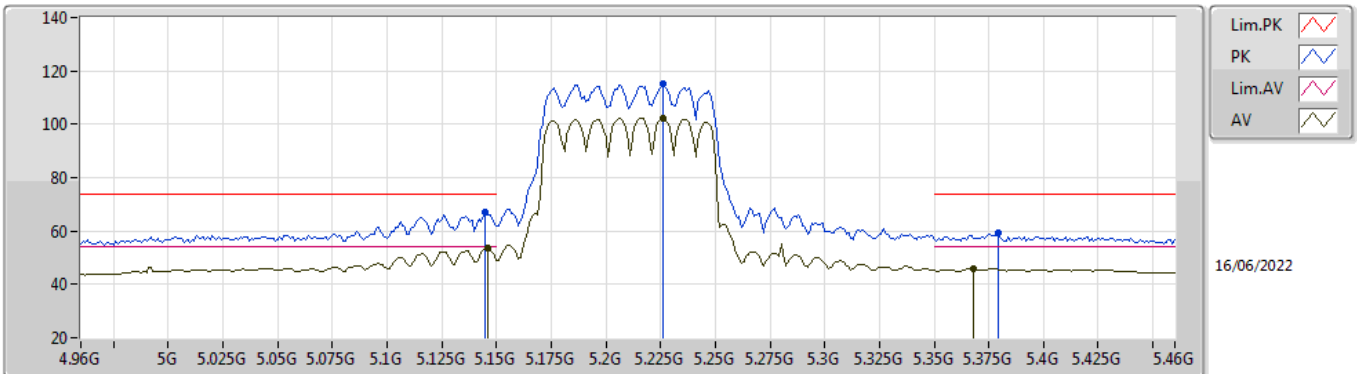


EUT_V_2TX
Setting 27.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.58394G	51.81	74.00	-22.19	37.87	3	Horizontal	45	1.39	-	39.25	7.93	33.24	
AV	11.60308G	38.04	54.00	-15.96	24.04	3	Horizontal	45	1.39	-	39.31	7.94	33.25	
PK	17.38728G	59.44	68.20	-8.76	38.83	3	Horizontal	321	2.05	-	43.02	10.69	33.10	

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

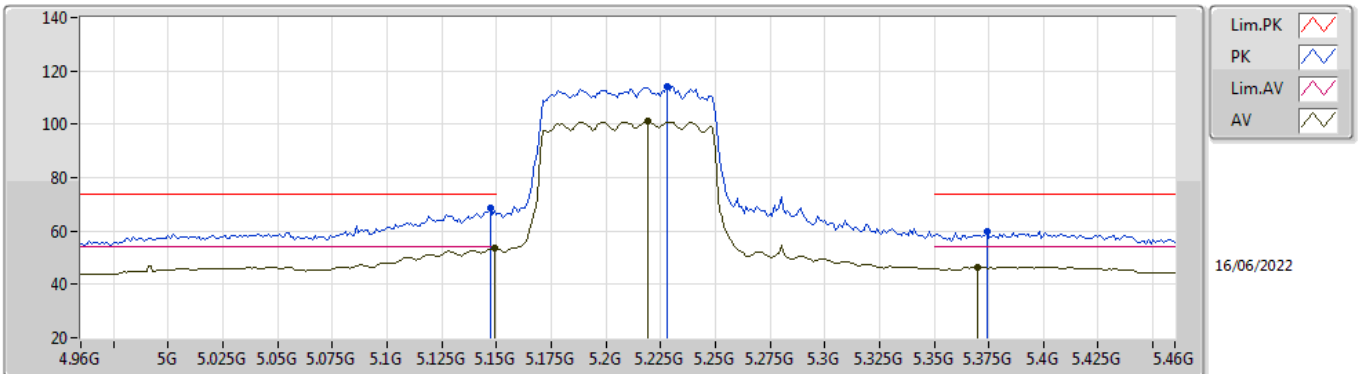


EUT V_2TX
Setting 21.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.145G	66.92	74.00	-7.08	60.23	3	Vertical	18	1.68	-	33.59	5.25	32.15
AV	5.146G	53.54	54.00	-0.46	46.85	3	Vertical	18	1.68	-	33.59	5.25	32.15
PK	5.226G	115.27	Inf	-Inf	108.41	3	Vertical	18	1.68	-	33.70	5.31	32.15
AV	5.226G	102.15	Inf	-Inf	95.29	3	Vertical	18	1.68	-	33.70	5.31	32.15
PK	5.379G	59.28	74.00	-14.72	52.07	3	Vertical	18	1.68	-	33.96	5.39	32.14
AV	5.368G	46.04	54.00	-7.96	38.86	3	Vertical	18	1.68	-	33.94	5.38	32.14

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

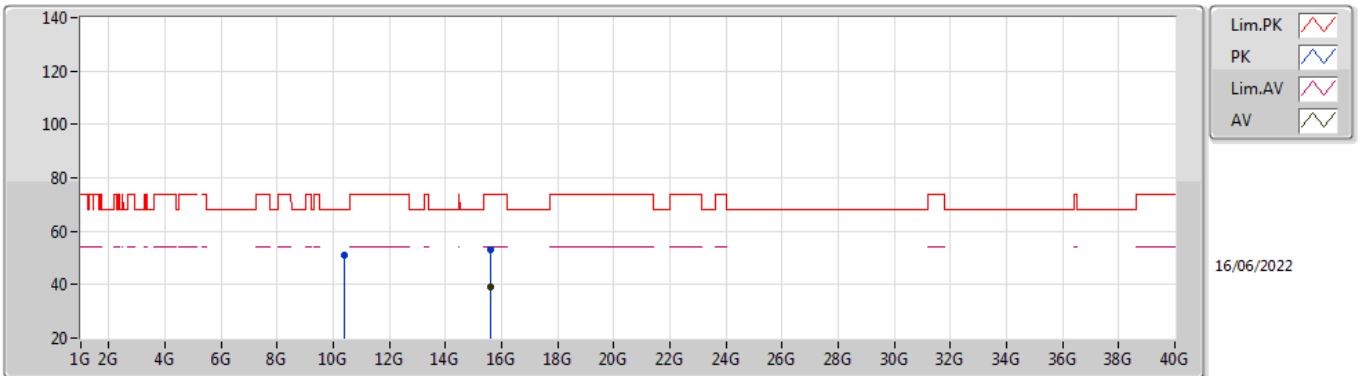


EUT V_2TX
Setting 21.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.147G	68.38	74.00	-5.62	61.69	3	Horizontal	10	1.64	-	33.59	5.25	32.15
AV	5.149G	53.41	54.00	-0.59	46.71	3	Horizontal	10	1.64	-	33.60	5.25	32.15
PK	5.228G	114.00	Inf	-Inf	107.14	3	Horizontal	10	1.64	-	33.70	5.31	32.15
AV	5.219G	100.97	Inf	-Inf	94.11	3	Horizontal	10	1.64	-	33.70	5.31	32.15
PK	5.374G	59.84	74.00	-14.16	52.64	3	Horizontal	10	1.64	-	33.95	5.39	32.14
AV	5.37G	46.50	54.00	-7.50	39.31	3	Horizontal	10	1.64	-	33.94	5.39	32.14

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

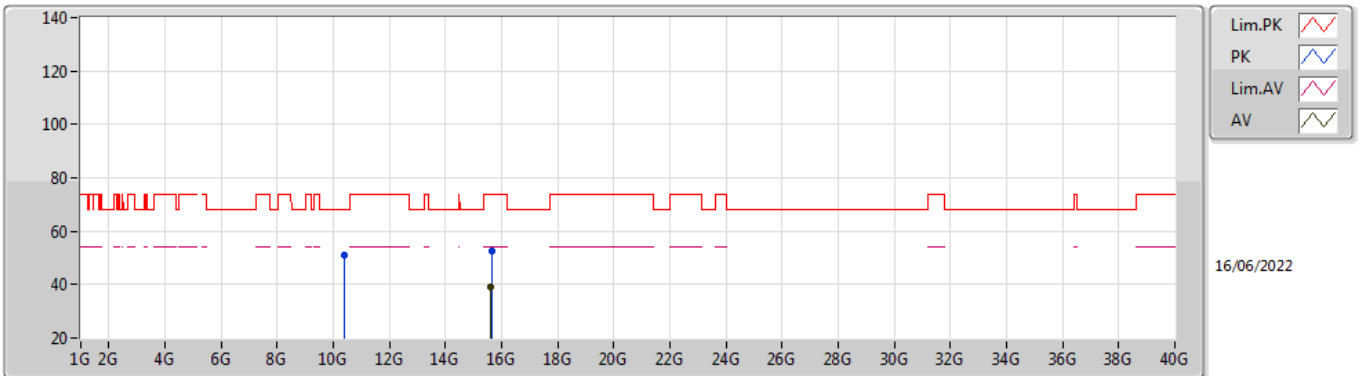


EUT V_2TX
Setting 21.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4071G	51.23	68.20	-16.97	38.16	3	Vertical	194	1.26	-	38.60	7.46	32.99
PK	15.62562G	53.05	74.00	-20.95	39.02	3	Vertical	30	1.81	-	37.50	9.83	33.30
AV	15.62238G	38.99	54.00	-15.01	24.95	3	Vertical	30	1.81	-	37.50	9.83	33.29

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

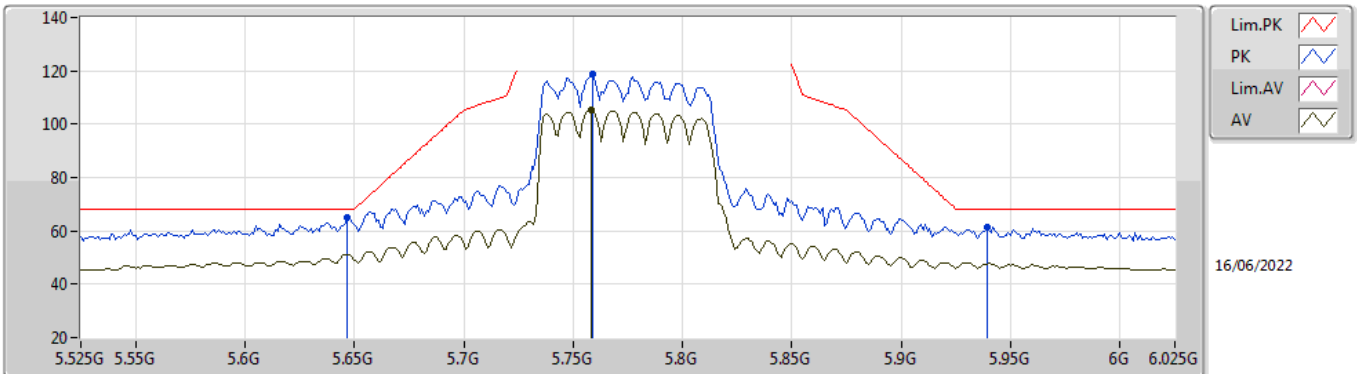


EUT_V_2TX
Setting 21.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.41214G	51.29	68.20	-16.91	38.22	3	Horizontal	152	2.17	-	38.60	7.46	32.99
PK	15.63222G	52.68	74.00	-21.32	38.66	3	Horizontal	44	2.08	-	37.50	9.83	33.31
AV	15.62772G	39.11	54.00	-14.89	25.08	3	Horizontal	44	2.08	-	37.50	9.83	33.30

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

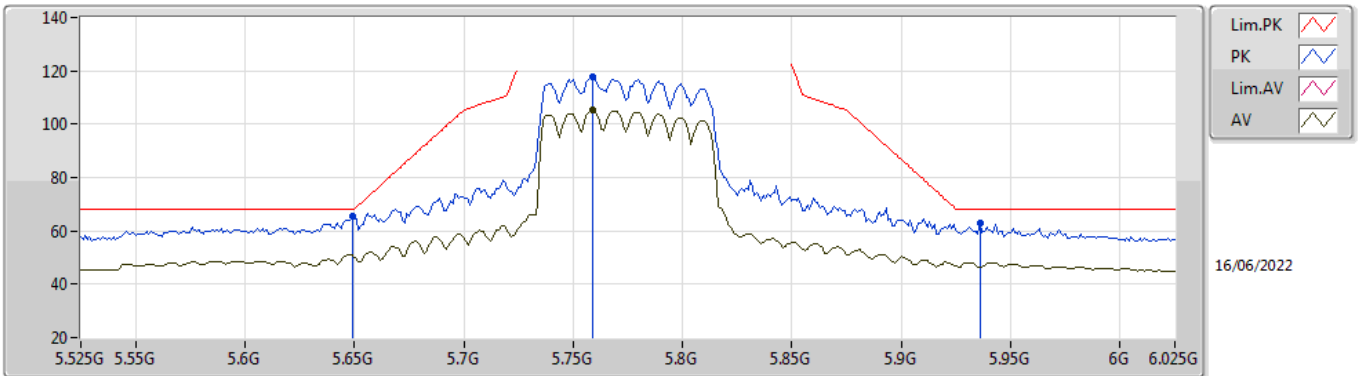


EUT V_2TX
Setting 23.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.647G	64.86	68.20	-3.34	57.59	3	Vertical	340	1.80	-	33.81	5.60	32.14	
PK	5.759G	118.73	Inf	-Inf	111.48	3	Vertical	340	1.80	-	33.80	5.60	32.15	
AV	5.758G	105.21	Inf	-Inf	97.96	3	Vertical	340	1.80	-	33.80	5.60	32.15	
PK	5.939G	61.45	68.20	-6.75	53.69	3	Vertical	340	1.80	-	34.18	5.74	32.16	

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

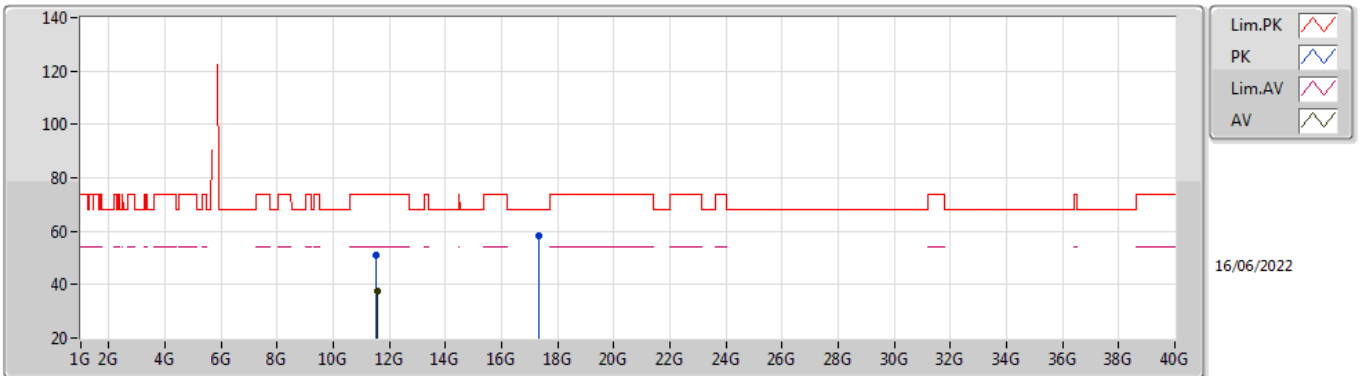


EUT V_2TX
Setting 23.5
02-B-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.649G	65.42	68.20	-2.78	58.16	3	Horizontal	25	1.80	-	33.80	5.60	32.14	
PK	5.759G	117.71	Inf	-Inf	110.46	3	Horizontal	25	1.80	-	33.80	5.60	32.15	
AV	5.759G	105.14	Inf	-Inf	97.89	3	Horizontal	25	1.80	-	33.80	5.60	32.15	
PK	5.936G	62.87	68.20	-5.33	55.12	3	Horizontal	25	1.80	-	34.17	5.74	32.16	

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

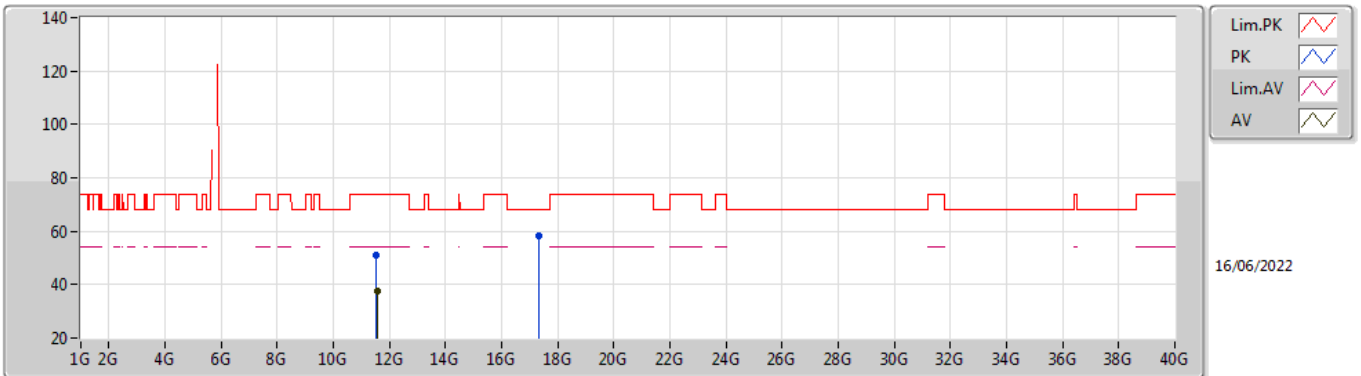


EUT V_2TX
Setting 23.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5422G	50.96	74.00	-23.04	37.14	3	Vertical	105	1.65	-	39.13	7.92	33.23
AV	11.56422G	37.75	54.00	-16.25	23.87	3	Vertical	105	1.65	-	39.19	7.93	33.24
PK	17.31978G	58.53	68.20	-9.67	38.43	3	Vertical	34	2.02	-	42.62	10.66	33.18

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom



EUT V_2TX
Setting 23.5
02-B-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.54286G	50.98	74.00	-23.02	37.16	3	Horizontal	344	1.67	-	39.13	7.92	33.23
AV	11.565G	37.63	54.00	-16.37	23.74	3	Horizontal	344	1.67	-	39.20	7.93	33.24
PK	17.33394G	58.45	68.20	-9.75	38.24	3	Horizontal	234	2.43	-	42.70	10.67	33.16