Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	VW3FAST5380V2
Equipment	:	Copper Wireless Router
Brand Name	:	SAGEMCOM
Model Name	:	FAST 5380
Applicant	:	SAGEMCOM BROADBAND SAS 250 Route de l'Empereur - 92848 RUEIL MALMAISON CEDEX- FRANCE
Manufacturer	:	SAGEMCOM BROADBAND SAS 250 Route de l'Empereur - 92848 RUEIL MALMAISON CEDEX- FRANCE
Standard	:	47 CFR FCC Part 15.407

The product was received on Oct. 19, 2021, and testing was started from Feb. 11, 2022 and completed on Mar. 11, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR160328-02AB	01	Initial issue of report	Mar. 15, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	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: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
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	4
5.15-5.25GHz	802.11n HT20	20	4
5.15-5.25GHz	802.11n HT20-BF	20	4
5.15-5.25GHz	802.11ac VHT20	20	4
5.15-5.25GHz	802.11ac VHT20-BF	20	4
5.15-5.25GHz	802.11ax HEW20	20	4
5.15-5.25GHz	802.11ax HEW20-BF	20	4
5.15-5.25GHz	802.11n HT40	40	4
5.15-5.25GHz	802.11n HT40-BF	40	4
5.15-5.25GHz	802.11ac VHT40	40	4
5.15-5.25GHz	802.11ac VHT40-BF	40	4
5.15-5.25GHz	802.11ax HEW40	40	4
5.15-5.25GHz	802.11ax HEW40-BF	40	4
5.15-5.25GHz	802.11ac VHT80	40	4
5.15-5.25GHz	802.11ac VHT80-BF	40	4
5.15-5.25GHz	802.11ax HEW80	40	4
5.15-5.25GHz	802.11ax HEW80-BF	40	4
5.725-5.85GHz	802.11a	20	4
5.725-5.85GHz	802.11n HT20	20	4
5.725-5.85GHz	802.11n HT20-BF	20	4
5.725-5.85GHz	802.11ac VHT20	20	4
5.725-5.85GHz	802.11ac VHT20-BF	20	4

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ax HEW20	20	4
5.725-5.85GHz	802.11ax HEW20-BF	20	4
5.725-5.85GHz	802.11n HT40	40	4
5.725-5.85GHz	802.11n HT40-BF	40	4
5.725-5.85GHz	802.11ac VHT40	40	4
5.725-5.85GHz	802.11ac VHT40-BF	40	4
5.725-5.85GHz	802.11ax HEW40	40	4
5.725-5.85GHz	802.11ax HEW40-BF	40	4
5.725-5.85GHz	802.11ac VHT80	40	4
5.725-5.85GHz	802.11ac VHT80-BF	40	4
5.725-5.85GHz	802.11ax HEW80	40	4
5.725-5.85GHz	802.11ax HEW80-BF	40	4

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, 1024QAM 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.	2.4GHz	5GHz	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	2	Galtronics	02102140-07252C1 DB1	PCB Antenna	I-PEX	Note 1
2	2	3	Galtronics	02102140-07252C2 DB2	PCB Antenna	I-PEX	
3	3	4	Galtronics	02102140-07252c3 DB3	PCB Antenna	I-PEX	
4	-	1	Galtronics	02102142-07252CX 5G	PCB Antenna	I-PEX	

Note 1:

Ant.	Gain (dBi)				
	2.GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3
1	4.72	3.53	3.91	2.86	2.92
2	4.89	3.61	3.75	2.69	2.74
3	3.98	4.08	4.34	2.7	3.34
4	-	4.84	4.88	4.09	4.68

Ant.	Directional Gain (dBi)												
	2.GHz		5GHz UNII 1			5GHz UNII 2A			5GHz UNII 2C			5GHz UNII 3	
	3T1S	3T3S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
1	5.05	1.05	5.06	2.06	-0.33	5.88	2.88	0.21	4.5	1.5	-0.76	5.09	2.09	-0.11
2														
3														
4	-	-												

Note 2: The EUT has four antennas for 2.4GHz/5GHz.

Note 3: The above information was declared by manufacturer.

Note 4: Maximum Directional Gain following KDB662911 D03.

The antenna report is provided in the operational description for this application.

For 2.4GHz:

For IEEE 802.11b/g/n/VHT/ax mode (3TX/3RX):

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

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

For 5GHz UNII 1~3:

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

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

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.948	0.23	2.066m	1k
802.11ax HEW20	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.965	0.15	780.625u	3k
802.11ax HEW80	0.929	0.32	413.25u	3k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 11n/VHT/11ax in 2.4GHz and 11n/11ac/11ax in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Mtool V3.2.1.3			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

- FCC KDB 662911 D03 v01
- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

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	TH01-CB	Owen Hsu	21.5~22.3 / 60~64	Feb. 17, 2022 ~ Feb. 18, 2022
Radiated below 1GHz & Radiated above 1GHz (For co-loction)	03CH03-CB	KJ Chang	23.5~24.6 / 55~59	Feb. 11, 2022 ~ Mar. 11, 2022
Radiated above 1GHz (For other test modes)	03CH04-CB	KJ Chang	23.7~24.6 / 55~58	Feb. 11, 2022 ~ Mar. 11, 2022
AC Conduction	CO01-CB	Peter Wu	18~19 / 51~53	Feb. 21, 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)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For non beamforming mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	79
5200MHz	98
5240MHz	91
5745MHz	84
5785MHz	84
5825MHz	83
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	76
5200MHz	96
5240MHz	93
5745MHz	84
5785MHz	84
5825MHz	85
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	69
5230MHz	88
5755MHz	92
5795MHz	93
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	69
5775MHz	79

For beamforming mode

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	76
5200MHz	96
5240MHz	93
5745MHz	84
5785MHz	84
5825MHz	85
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	69
5230MHz	88
5755MHz	92
5795MHz	93
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	69
5775MHz	79

Note:
- Evaluated HEW20/HEW40/HEW80 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80
- 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 + Adapter 1 + ADSL RJ-11_Cable 1 + ADSL
2	EUT + Adapter 1 + ADSL RJ-11_Cable 2 + ADSL
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~4 will follow this same test mode.	
3	EUT + Adapter 2 + ADSL RJ-11_Cable 2 + ADSL
4	EUT + Adapter 3 + ADSL RJ-11_Cable 2 + ADSL
Mode 3 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	
5	EUT + Adapter 2 + VDSL
For operating Mode 3 are the worst case and they were record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	For 2.4GHz The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration. For 5GHz The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at X axis. So the measurement will follow this same test configuration.
1	EUT in Y axis_2.4GHz + adapter 1
2	EUT in Y axis_2.4GHz + adapter 2
3	EUT in Y axis_2.4GHz + adapter 3
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT in X axis_5GHz + adapter 1
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 X axis. So the measurement will follow this same test configuration.
1	EUT in X axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at X axis. So the measurement will follow this same test configuration.
1	EUT in X axis_WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA160328-02 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter 1	SAGEMCOM	ADS-42FKJ-12 12042EPCU-L	INPUT: 100-120V~50/60Hz, Max.1.2A OUTPUT: 12V, 3.5A
Adapter 2	SAGEMCOM	MSG-V3500AR120-042A0-US	Input: 100-120V~50/60Hz, 1.2A Max. Output: 12V, 3.5A
Adapter 3	SAGEMCOM	NBS42E120350VU	INPUT: 100-120V~50/60Hz, 1.0A OUTPUT: 12.0V, 3.5A
Others			
RJ-11 cable*1(two by one): Non-Shielded, 2m			
ADSL RJ-11 cable*1(two by one): Non-Shielded, 2m			
RJ-45 cable*1: Shielded, 1.8m			

2.5 Support Equipment

For AC Conduction:

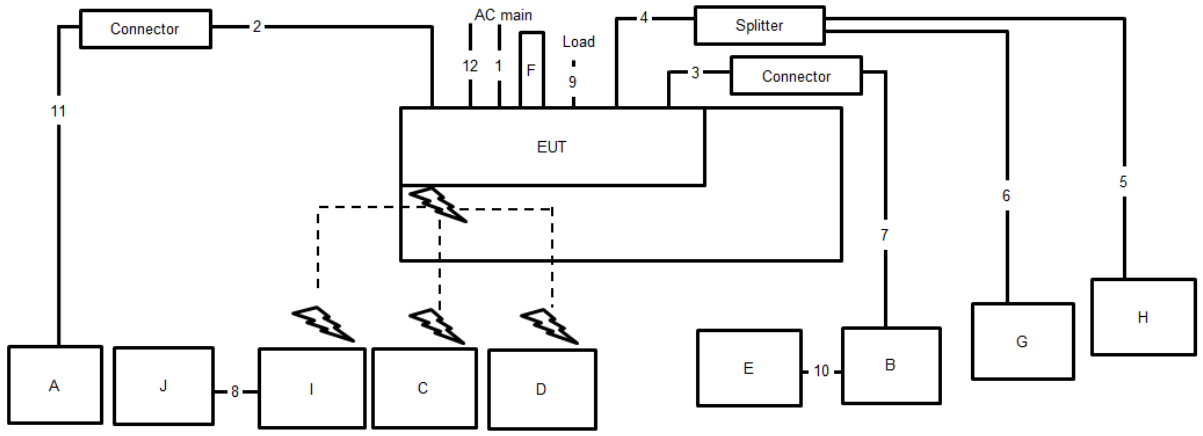
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	CO	ZyXEL	VES1724-56	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	CO NB	DELL	E6430	N/A
F	Flash disk3.0	Transcend	JetFlash-700	N/A
G	Phone1	SAMPO	HT-B 907WL	N/A
H	Phone2	SAMPO	HT-B 907WL	N/A
I	Device	Sagemcom	F5380	N/A
J	Device NB	DELL	E6430	N/A

For Radiated and RF Conducted:

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

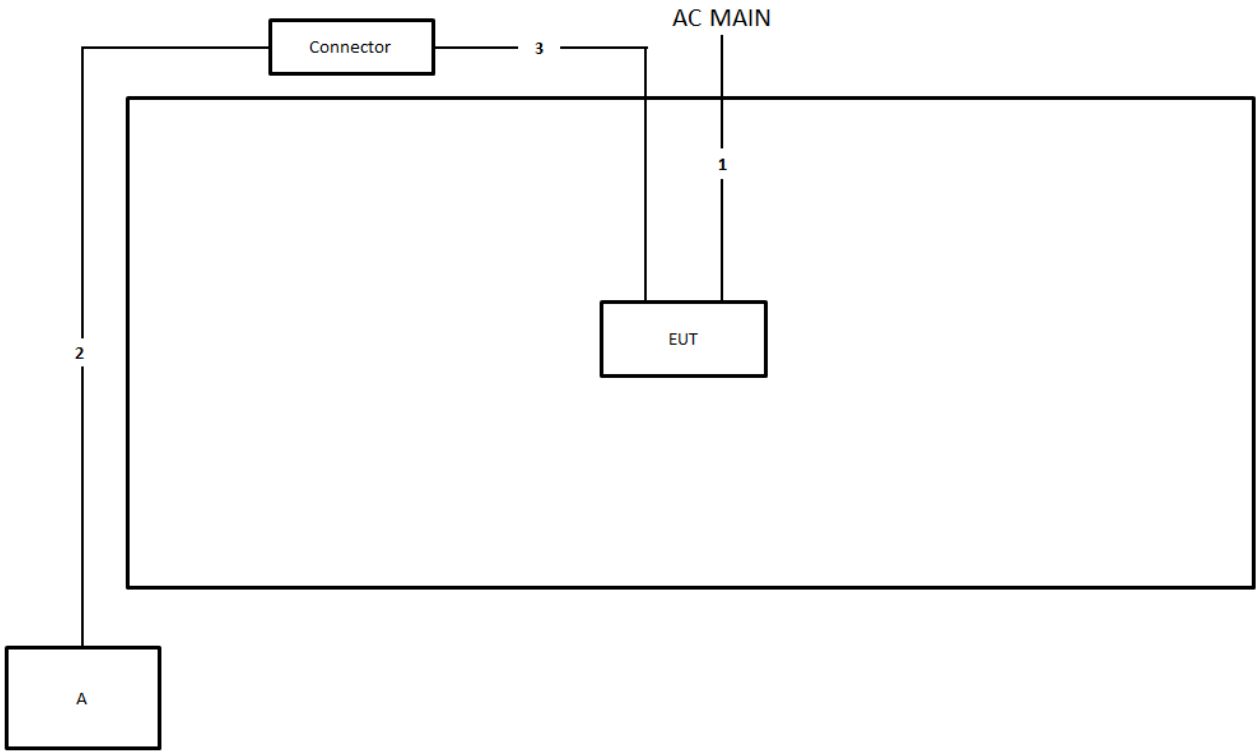
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



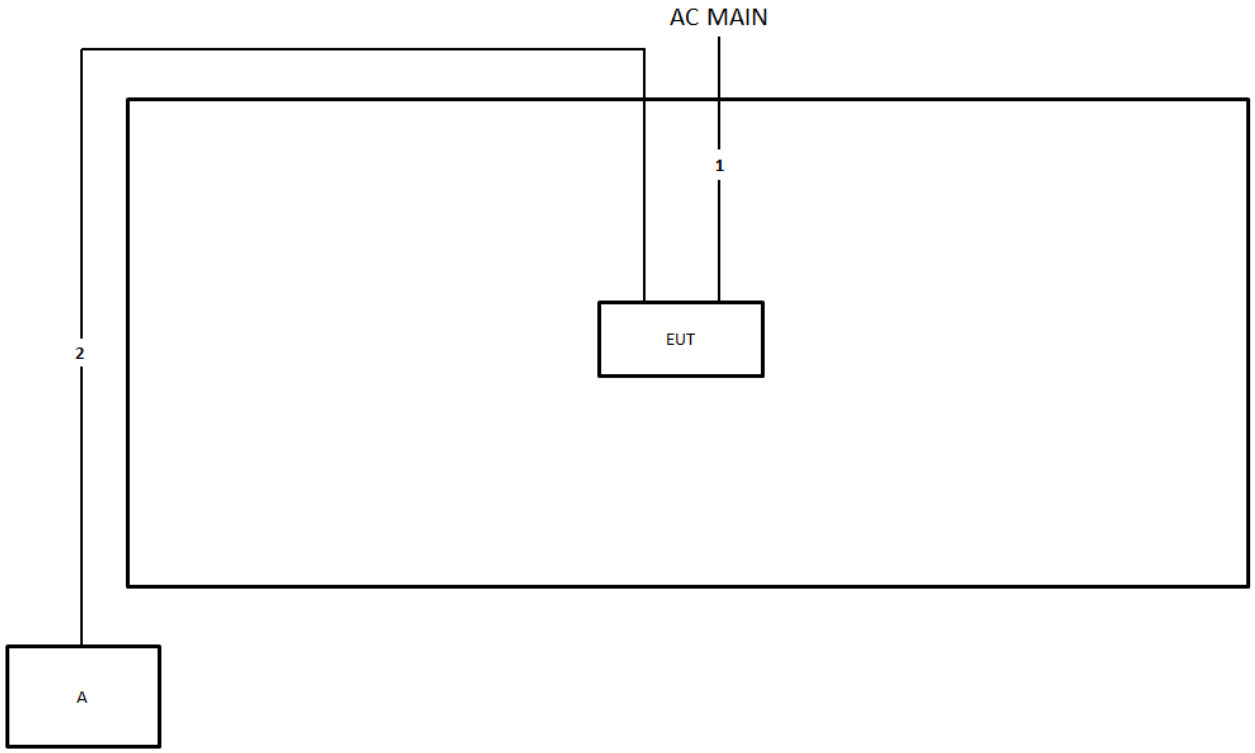
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	Yes	1.8m
3	RJ-11 cable	No	2m
4	RJ-11 cable	No	2m
5	RJ-11 cable	No	10m
6	RJ-11 cable	No	10m
7	RJ-11 cable*2	No	10m
8	RJ-45 cable	No	3m
9	RJ-45 cable	No	1.5m
10	RJ-45 cable	No	3m
11	RJ-45 cable	Yes	10m
12	EEBU cable	No	0.3m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	Yes	1.8m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
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

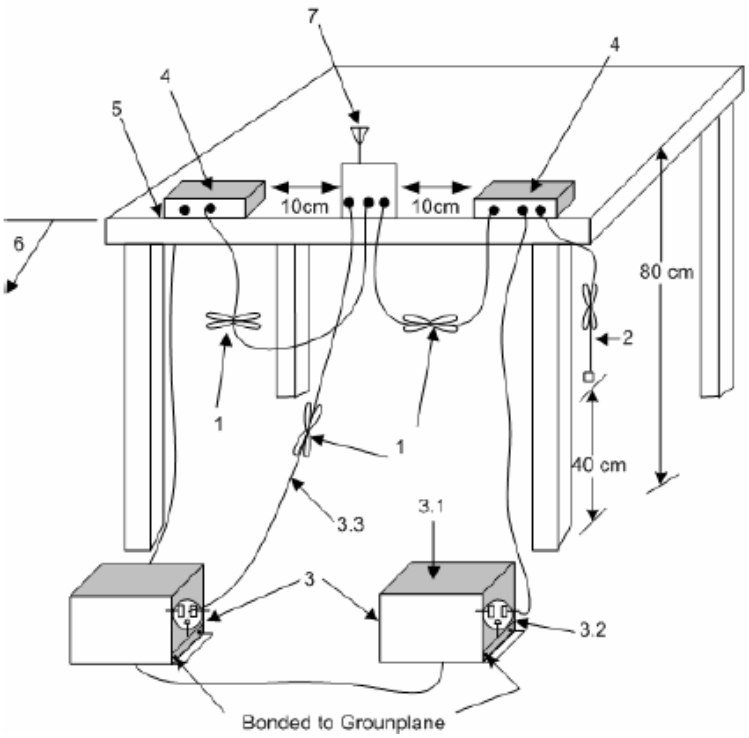
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
☐	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

3.2.2 Measuring Instruments

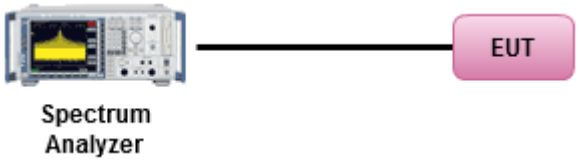
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

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

Emission Bandwidth



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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (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

Conducted Measurement (Power Meter)


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° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	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

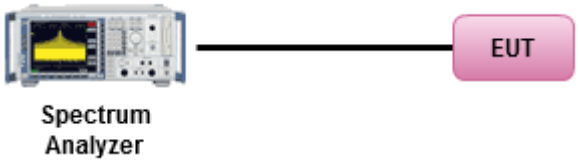
Refer a test equipment and calibration data table in this test report.

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: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$
☐	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.

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

3.4.4 Test Setup

Conducted Measurement


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

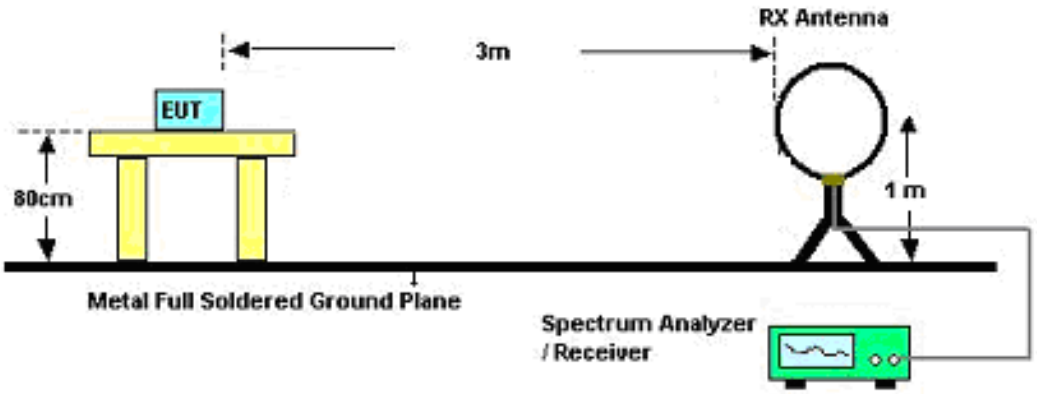
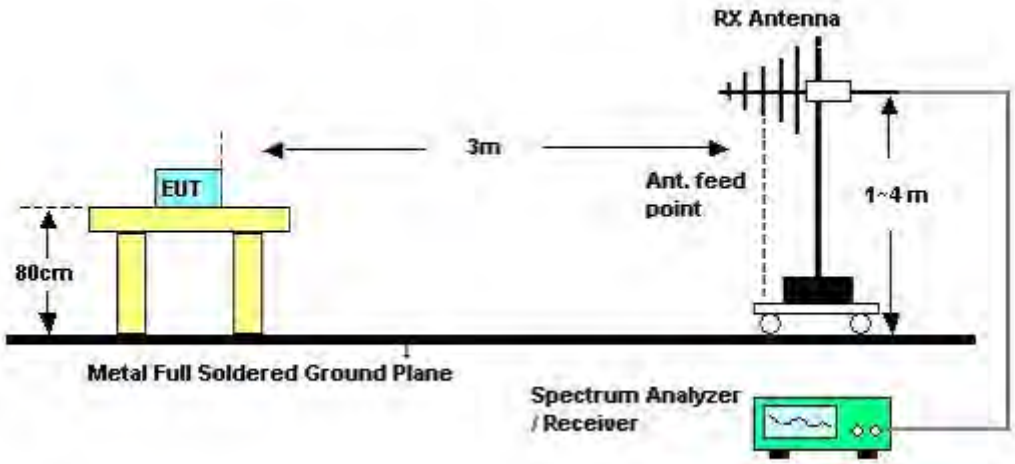
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

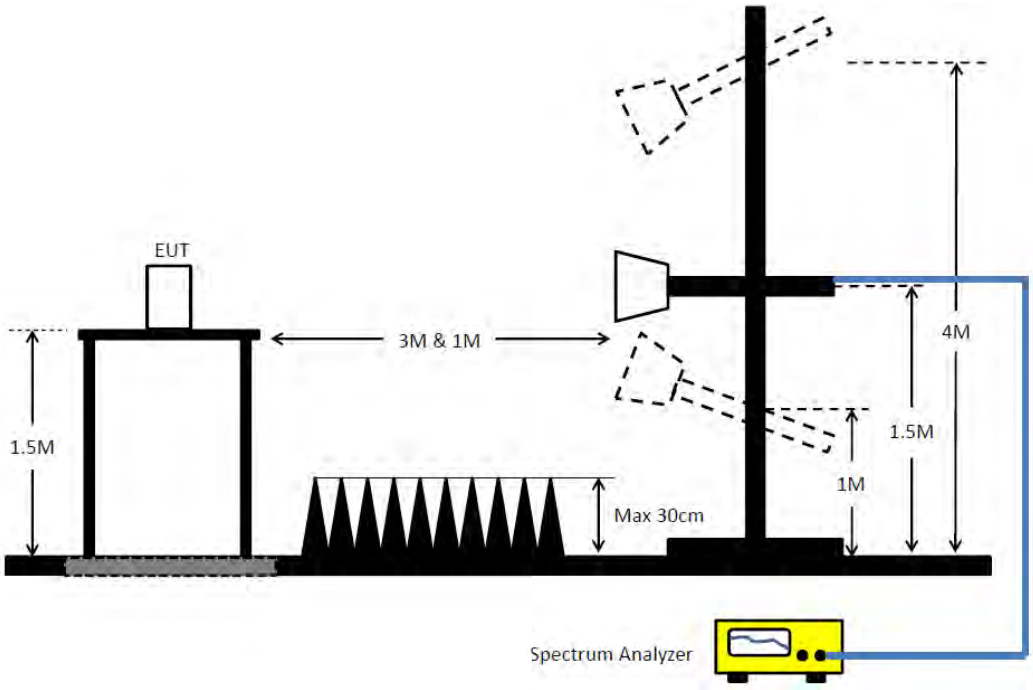
Test Method			
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies 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 ≥ 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 ≥ 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.			

Test Method
▪ 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

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz~100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	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 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 06, 2021	May 05, 2022	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 22, 2021	Feb. 21, 2022	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 04, 2021	Jun. 03, 2022	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 25, 2021	Feb. 24, 2022	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz~26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Feb. 19, 2021	Feb. 18, 2022	Radiation (03CH04-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 15, 2021	Apr. 14, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

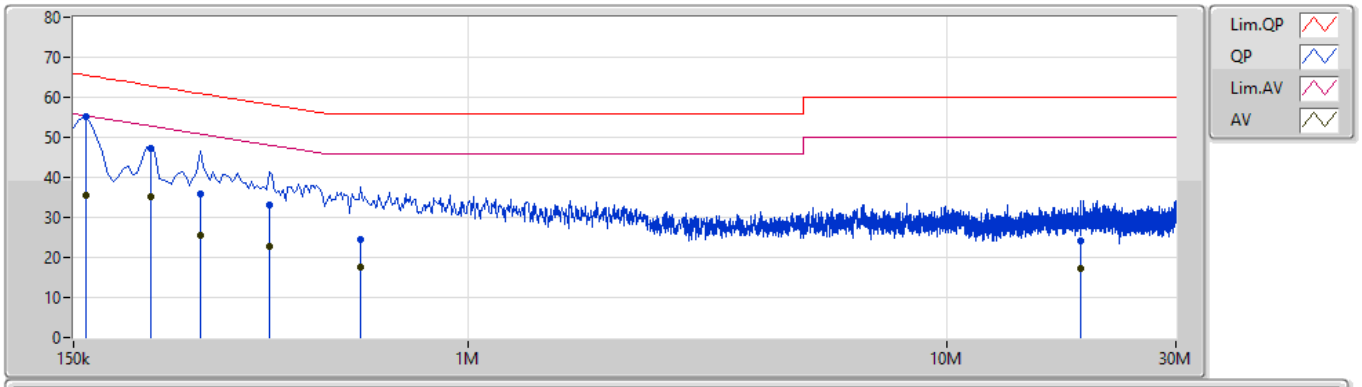
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	QP	159k	55.07	65.52	-10.45	Line

Mode 3

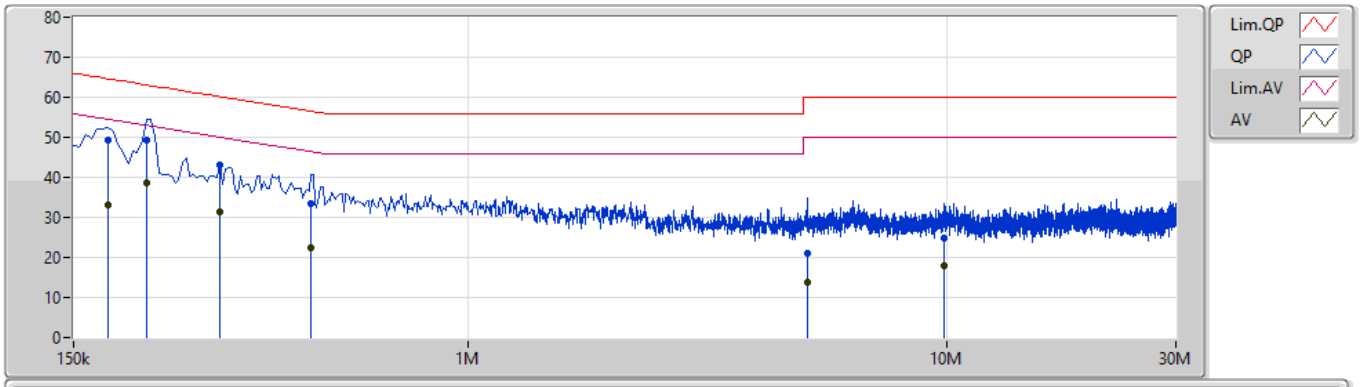
21/02/2022



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	55.07	65.52	-10.45	10.23	Line	"Worst"	44.84	0.04	0.04	10.15
AV	159k	35.54	55.52	-19.98	10.23	Line	-	25.31	0.04	0.04	10.15
QP	217.5k	47.37	62.92	-15.55	10.23	Line	-	37.14	0.04	0.04	10.15
AV	217.5k	35.08	52.92	-17.84	10.23	Line	-	24.85	0.04	0.04	10.15
QP	276k	35.86	60.93	-25.07	10.22	Line	-	25.64	0.04	0.04	10.14
AV	276k	25.52	50.93	-25.41	10.22	Line	-	15.30	0.04	0.04	10.14
QP	384k	33.07	58.20	-25.13	10.19	Line	-	22.88	0.04	0.04	10.11
AV	384k	22.75	48.20	-25.45	10.19	Line	-	12.56	0.04	0.04	10.11
QP	595.5k	24.65	56.00	-31.35	10.20	Line	-	14.45	0.05	0.04	10.11
AV	595.5k	17.49	46.00	-28.51	10.20	Line	-	7.29	0.05	0.04	10.11
QP	18.933M	24.08	60.00	-35.92	10.71	Line	-	13.37	0.31	0.21	10.19
AV	18.933M	17.31	50.00	-32.69	10.71	Line	-	6.60	0.31	0.21	10.19

Mode 3

21/02/2022



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	177k	49.14	64.62	-15.48	10.23	Neutral	-	38.91	0.03	0.04	10.16
AV	177k	33.13	54.62	-21.49	10.23	Neutral	-	22.90	0.03	0.04	10.16
QP	213k	49.26	63.09	-13.83	10.23	Neutral	"Worst"	39.03	0.03	0.04	10.16
AV	213k	38.53	53.09	-14.56	10.23	Neutral	-	28.30	0.03	0.04	10.16
QP	303k	43.17	60.17	-17.00	10.20	Neutral	-	32.97	0.03	0.04	10.13
AV	303k	31.35	50.17	-18.82	10.20	Neutral	-	21.15	0.03	0.04	10.13
QP	469.5k	33.33	56.52	-23.19	10.18	Neutral	-	23.15	0.03	0.04	10.11
AV	469.5k	22.47	46.52	-24.05	10.18	Neutral	-	12.29	0.03	0.04	10.11
QP	5.091M	21.05	60.00	-38.95	10.37	Neutral	-	10.68	0.13	0.13	10.11
AV	5.091M	13.68	50.00	-36.32	10.37	Neutral	-	3.31	0.13	0.13	10.11
QP	9.825M	24.90	60.00	-35.10	10.48	Neutral	-	14.42	0.20	0.16	10.12
AV	9.825M	17.89	50.00	-32.11	10.48	Neutral	-	7.41	0.20	0.16	10.12

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)_4TX	42.24M	22.519M	22M5D1D	21.48M	16.972M
802.11ax HEW20_Nss1,(MCS0)_4TX	48.18M	21.379M	21M4D1D	21.42M	19.07M
802.11ax HEW40_Nss1,(MCS0)_4TX	70.62M	38.741M	38M7D1D	40.26M	37.901M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.2M	77.601M	77M6D1D	81.72M	77.481M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.38M	17.481M	17M5D1D	16.32M	17.121M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.99M	19.31M	19M3D1D	18.87M	19.16M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.92M	41.379M	41M4D1D	37.56M	38.501M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.4M	77.961M	78M0D1D	77.16M	77.721M

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

Result

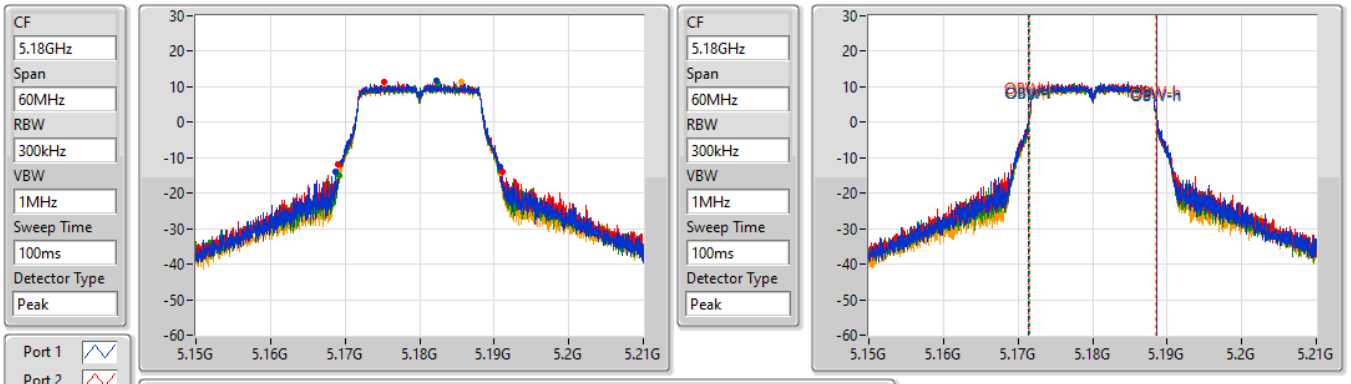
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.05M	17.181M	21.96M	17.121M	21.63M	17.031M	21.48M	16.972M
5200MHz	Pass	Inf	35.97M	19.13M	42.24M	22.519M	39.75M	20.75M	39.36M	19.61M
5240MHz	Pass	Inf	30.12M	17.601M	38.04M	18.651M	36.57M	18.021M	37.89M	18.381M
5745MHz	Pass	500k	16.35M	17.301M	16.32M	17.451M	16.35M	17.241M	16.35M	17.241M
5785MHz	Pass	500k	16.35M	17.301M	16.35M	17.481M	16.35M	17.211M	16.38M	17.151M
5825MHz	Pass	500k	16.32M	17.241M	16.35M	17.391M	16.32M	17.181M	16.35M	17.121M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.11M	19.13M	21.6M	19.07M	21.78M	19.13M	21.42M	19.07M
5200MHz	Pass	Inf	40.74M	19.64M	48.18M	21.379M	43.74M	20.03M	39.3M	19.67M
5240MHz	Pass	Inf	41.7M	19.37M	42.45M	20.15M	39.24M	19.67M	39.78M	19.82M
5745MHz	Pass	500k	18.93M	19.19M	18.9M	19.25M	18.96M	19.22M	18.9M	19.22M
5785MHz	Pass	500k	18.9M	19.16M	18.9M	19.22M	18.96M	19.25M	18.93M	19.22M
5825MHz	Pass	500k	18.99M	19.19M	18.87M	19.31M	18.96M	19.28M	18.93M	19.22M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.62M	37.901M	40.44M	37.961M	40.26M	37.901M	40.62M	37.961M
5230MHz	Pass	Inf	45.6M	38.201M	70.62M	38.741M	64.08M	38.501M	57.42M	38.441M
5755MHz	Pass	500k	37.92M	38.621M	37.8M	41.379M	37.62M	39.04M	37.68M	39.76M
5795MHz	Pass	500k	37.74M	38.501M	37.68M	41.259M	37.62M	39.22M	37.56M	38.801M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.2M	77.601M	81.72M	77.481M	81.84M	77.601M	81.84M	77.481M
5775MHz	Pass	500k	77.4M	77.721M	77.16M	77.841M	77.16M	77.961M	77.28M	77.841M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

17/02/2022

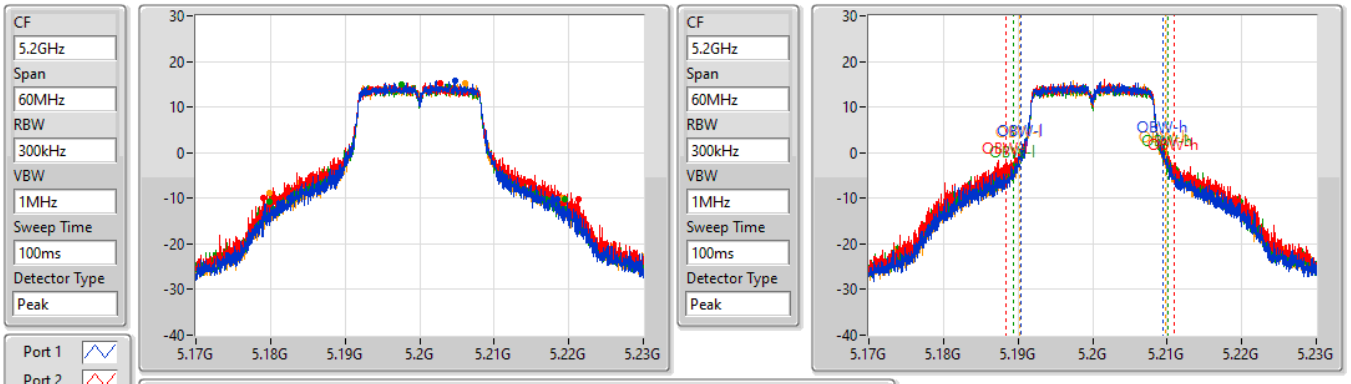


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.05M	5.16866G	5.19071G	17.181M	5.171424G	5.188606G	Inf	1
21.96M	5.16908G	5.19104G	17.121M	5.171454G	5.188576G	Inf	2
21.63M	5.16917G	5.1908G	17.031M	5.171514G	5.188546G	Inf	3
21.48M	5.16926G	5.19074G	16.972M	5.171544G	5.188516G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

18/02/2022

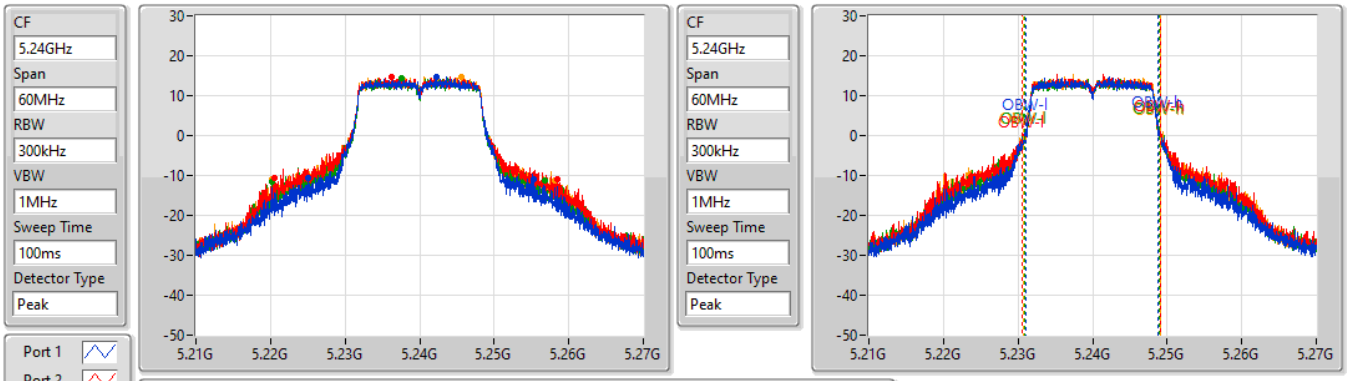


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.97M	5.18257G	5.21854G	19.13M	5.190375G	5.209505G	Inf	1
42.24M	5.17906G	5.2213G	22.519M	5.188426G	5.210945G	Inf	2
39.75M	5.17978G	5.21953G	20.75M	5.189385G	5.210135G	Inf	3
39.36M	5.17978G	5.21914G	19.61M	5.190165G	5.209775G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

18/02/2022

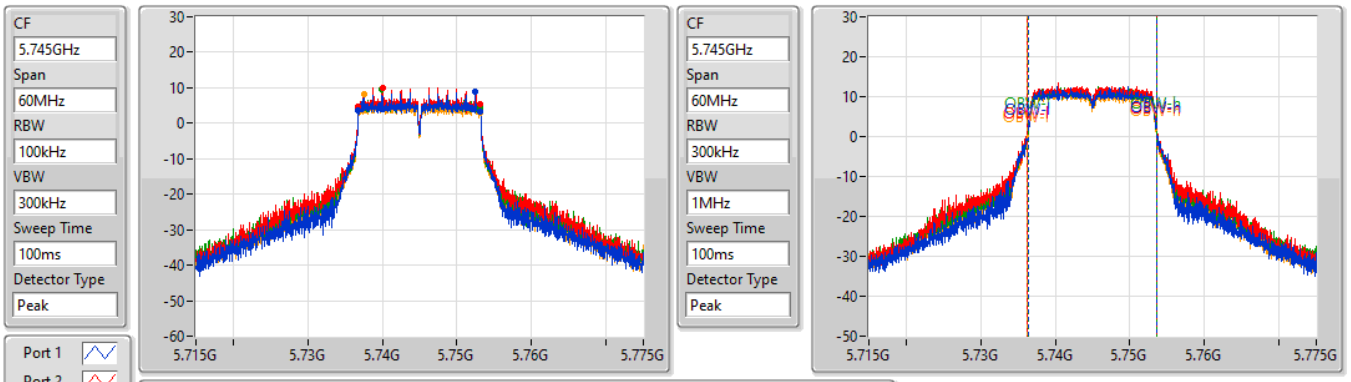


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.12M	5.22512G	5.25524G	17.601M	5.231124G	5.248726G	Inf	1
38.04M	5.22047G	5.25851G	18.651M	5.230525G	5.249175G	Inf	2
36.57M	5.22026G	5.25683G	18.021M	5.230885G	5.248906G	Inf	3
37.89M	5.22017G	5.25806G	18.381M	5.230705G	5.249085G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

18/02/2022

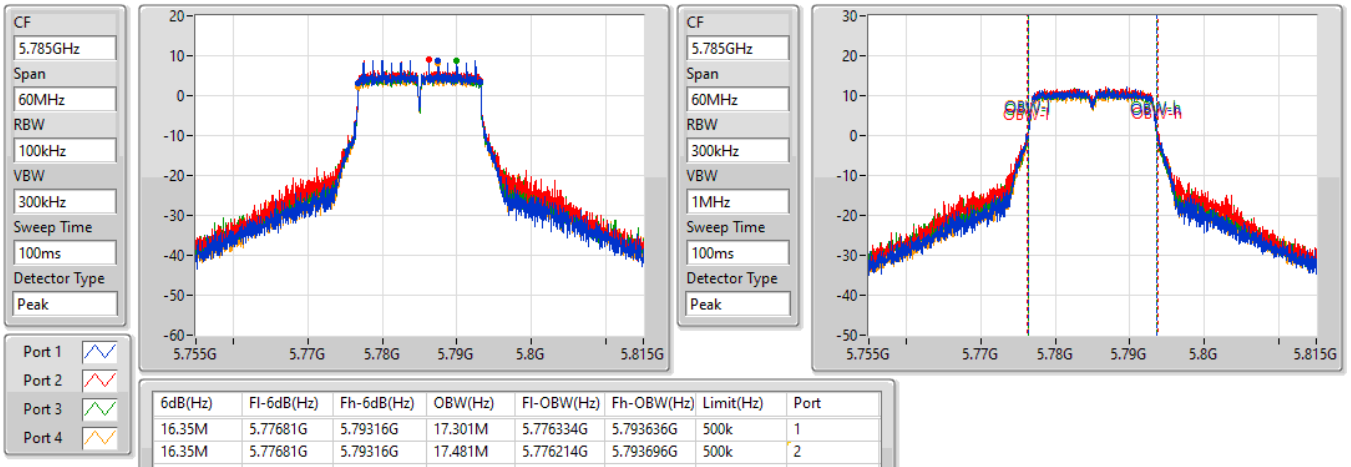


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73681G	5.75316G	17.301M	5.736334G	5.753636G	500k	1
16.32M	5.73681G	5.75313G	17.451M	5.736214G	5.753666G	500k	2
16.35M	5.73681G	5.75316G	17.241M	5.736364G	5.753606G	500k	3
16.35M	5.73681G	5.75316G	17.241M	5.736304G	5.753546G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

18/02/2022

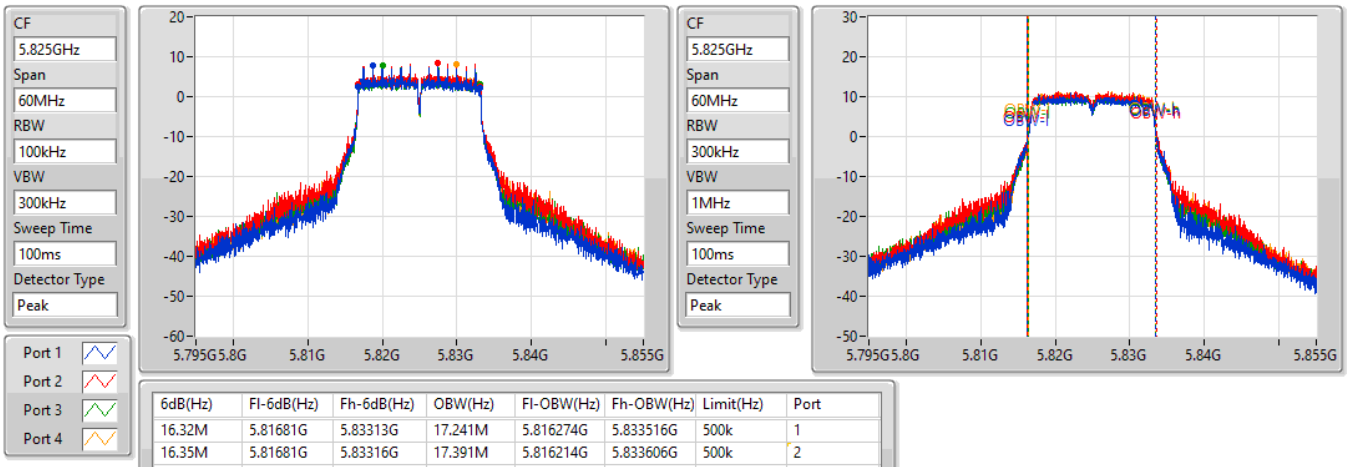


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.77681G	5.79316G	17.301M	5.776334G	5.793636G	500k	1
16.35M	5.77681G	5.79316G	17.481M	5.776214G	5.793696G	500k	2
16.35M	5.77681G	5.79316G	17.211M	5.776364G	5.793576G	500k	3
16.38M	5.77678G	5.79316G	17.151M	5.776424G	5.793576G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

18/02/2022

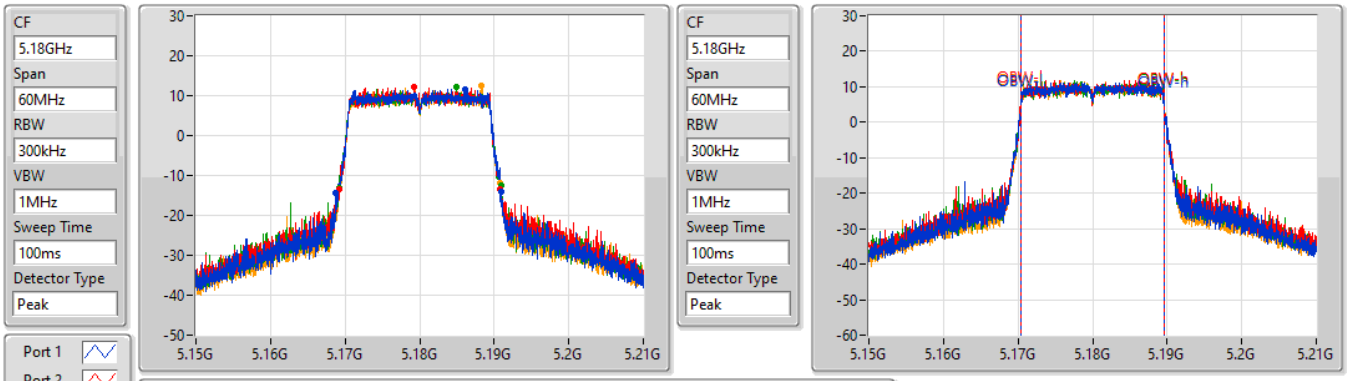


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.81681G	5.83313G	17.241M	5.816274G	5.833516G	500k	1
16.35M	5.81681G	5.83316G	17.391M	5.816214G	5.833606G	500k	2
16.32M	5.81681G	5.83313G	17.181M	5.816334G	5.833516G	500k	3
16.35M	5.81681G	5.83316G	17.121M	5.816394G	5.833516G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5180MHz

18/02/2022

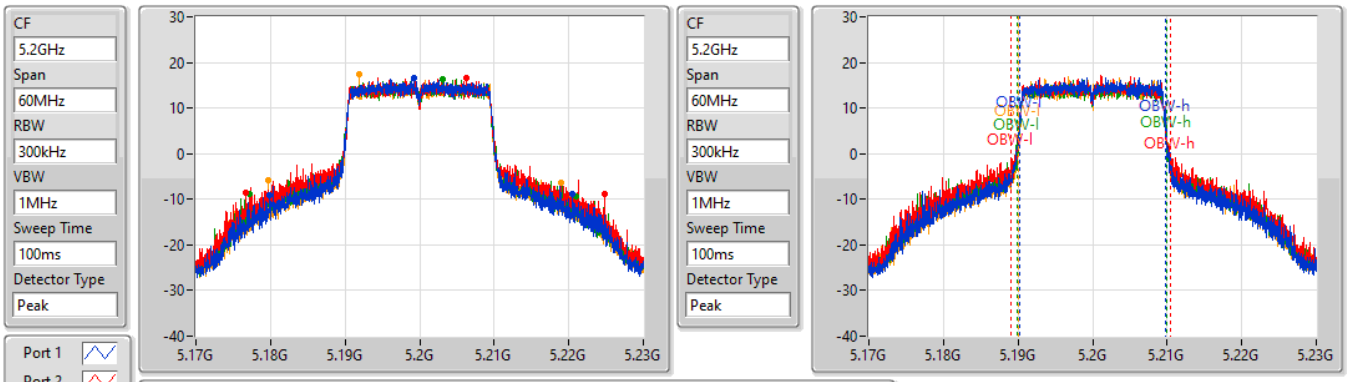


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.11M	5.16878G	5.19089G	19.13M	5.170435G	5.189565G	Inf	1
21.6M	5.16926G	5.19086G	19.07M	5.170465G	5.189535G	Inf	2
21.78M	5.16917G	5.19095G	19.13M	5.170435G	5.189565G	Inf	3
21.42M	5.16929G	5.19071G	19.07M	5.170465G	5.189535G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5200MHz

18/02/2022



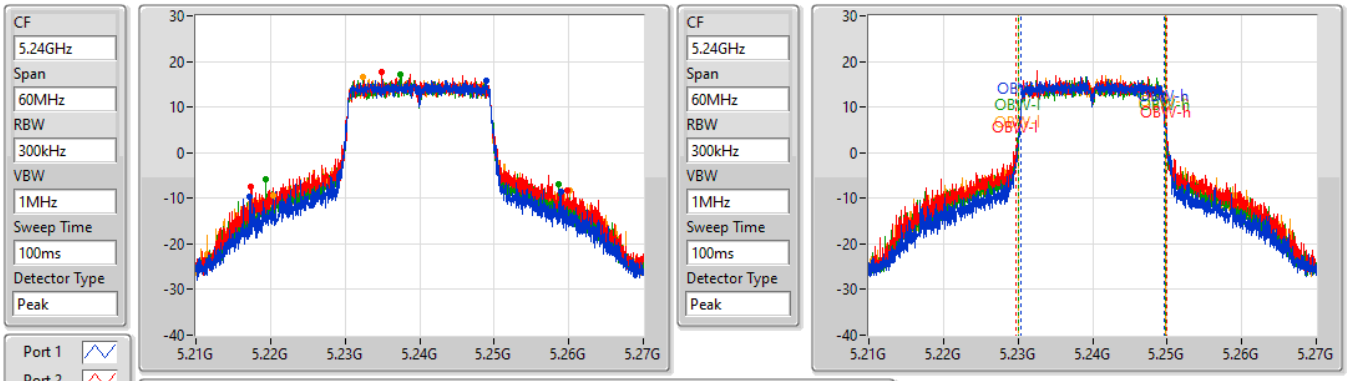
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.17981G	5.22055G	19.64M	5.190165G	5.209805G	Inf	1
48.18M	5.17672G	5.2249G	21.379M	5.189115G	5.210495G	Inf	2
43.74M	5.17723G	5.22097G	20.03M	5.189895G	5.209925G	Inf	3
39.3M	5.17963G	5.21893G	19.67M	5.190135G	5.209805G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5240MHz

18/02/2022



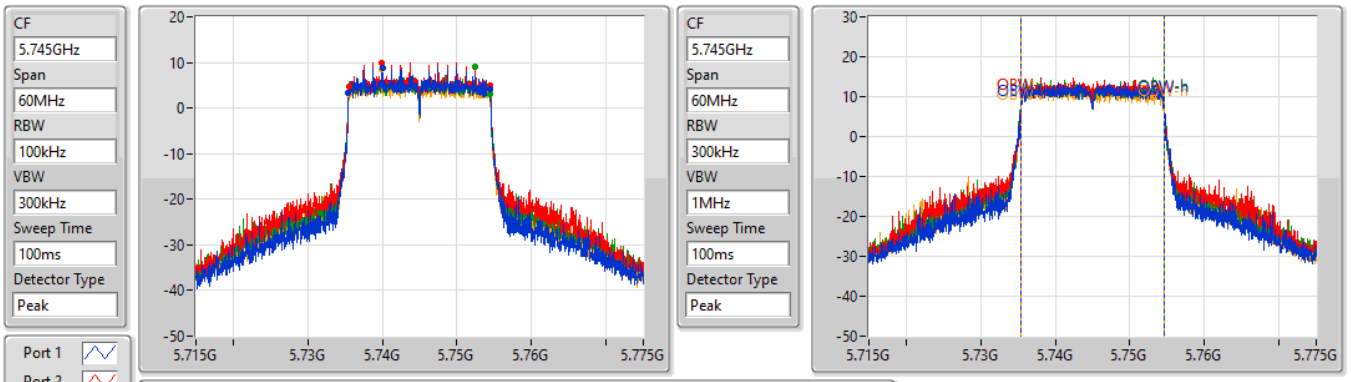
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.7M	5.21726G	5.25896G	19.37M	5.230315G	5.249685G	Inf	1
42.45M	5.21732G	5.25977G	20.15M	5.229775G	5.249925G	Inf	2
39.24M	5.21942G	5.25866G	19.67M	5.230105G	5.249775G	Inf	3
39.78M	5.22032G	5.2601G	19.82M	5.230015G	5.249835G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

18/02/2022

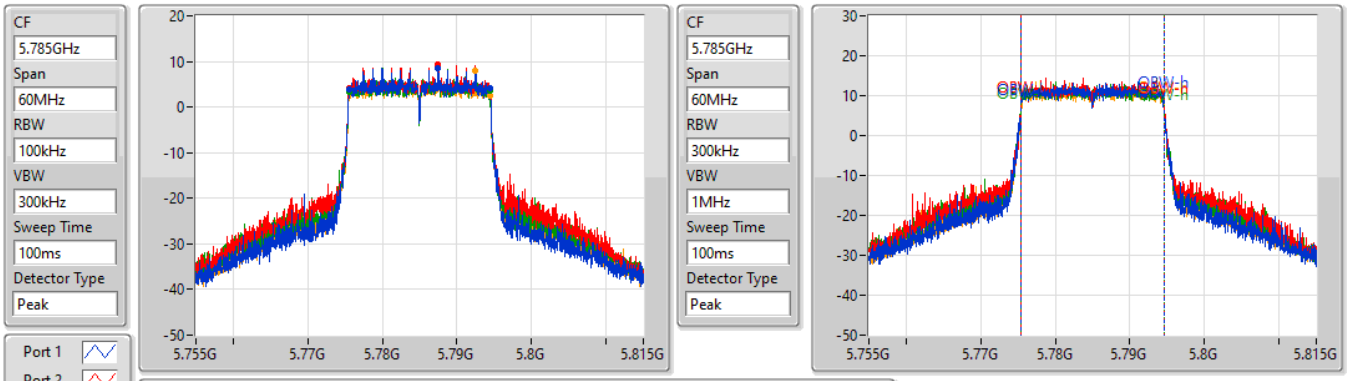


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.93M	5.73546G	5.75439G	19.19M	5.735375G	5.754565G	500k	1
18.9M	5.73555G	5.75445G	19.25M	5.735345G	5.754595G	500k	2
18.96M	5.73552G	5.75448G	19.22M	5.735375G	5.754595G	500k	3
18.9M	5.73552G	5.75442G	19.22M	5.735375G	5.754595G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5785MHz

18/02/2022

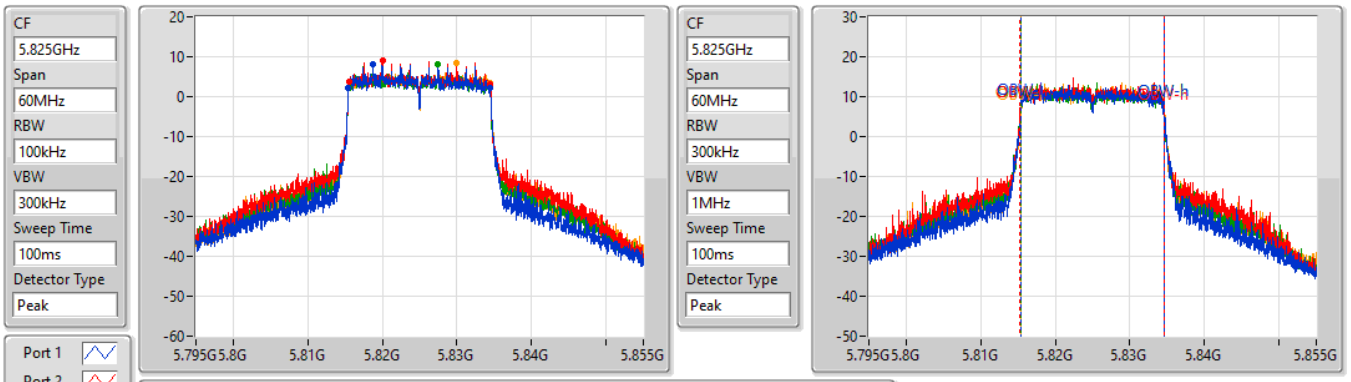


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	5.77552G	5.79442G	19.16M	5.775405G	5.794565G	500k	1
18.9M	5.77555G	5.79445G	19.22M	5.775375G	5.794595G	500k	2
18.96M	5.775549G	5.79445G	19.25M	5.7753345G	5.794595G	500k	3
18.93M	5.77552G	5.79445G	19.22M	5.775405G	5.794625G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5825MHz

18/02/2022

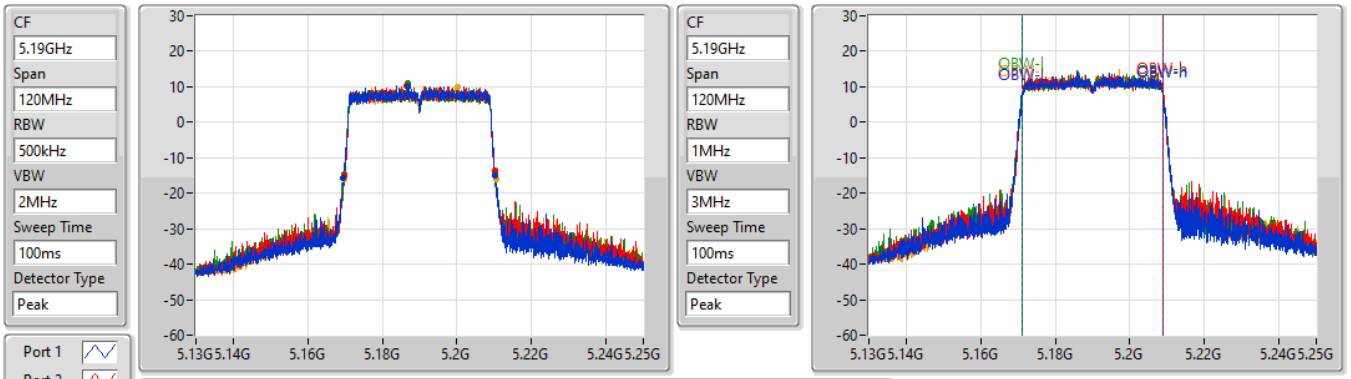


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.99M	5.81546G	5.83445G	19.19M	5.815375G	5.834565G	500k	1
18.87M	5.81552G	5.83439G	19.31M	5.815285G	5.834595G	500k	2
18.96M	5.81549G	5.83445G	19.28M	5.815315G	5.834595G	500k	3
18.93M	5.81552G	5.83445G	19.22M	5.815375G	5.834595G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5190MHz

18/02/2022

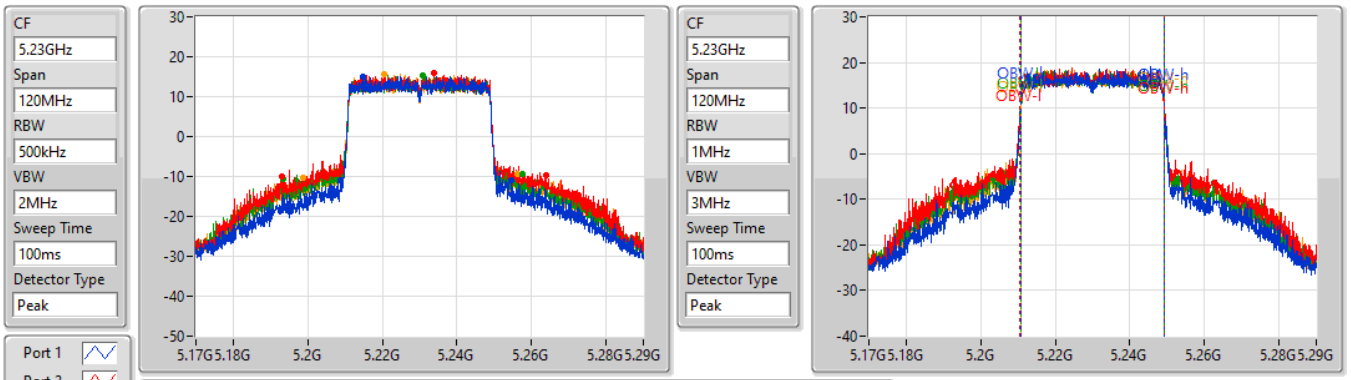


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	5.1696G	5.21022G	37.901M	5.171049G	5.208951G	Inf	1
40.44M	5.16978G	5.21022G	37.961M	5.171049G	5.20901G	Inf	2
40.26M	5.16984G	5.2101G	37.901M	5.171049G	5.208951G	Inf	3
40.62M	5.16978G	5.2104G	37.961M	5.171049G	5.20901G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5230MHz

18/02/2022

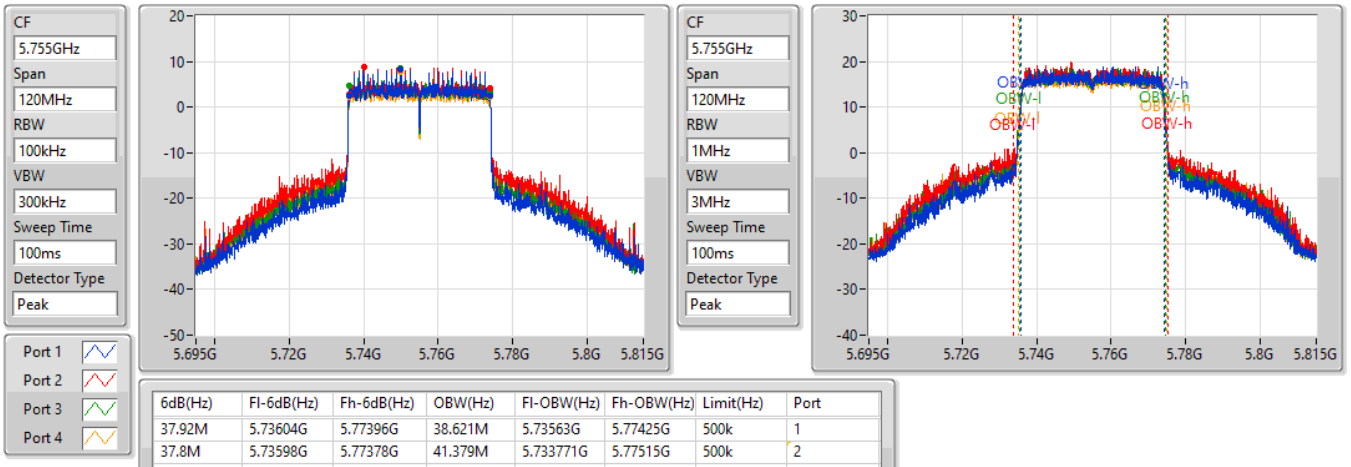


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.6M	5.20894G	5.25454G	38.201M	5.21087G	5.24907G	Inf	1
70.62M	5.19316G	5.26378G	38.741M	5.21057G	5.24931G	Inf	2
64.08M	5.1934G	5.25748G	38.501M	5.21069G	5.24919G	Inf	3
57.42M	5.19886G	5.25628G	38.441M	5.21075G	5.24919G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5755MHz

18/02/2022

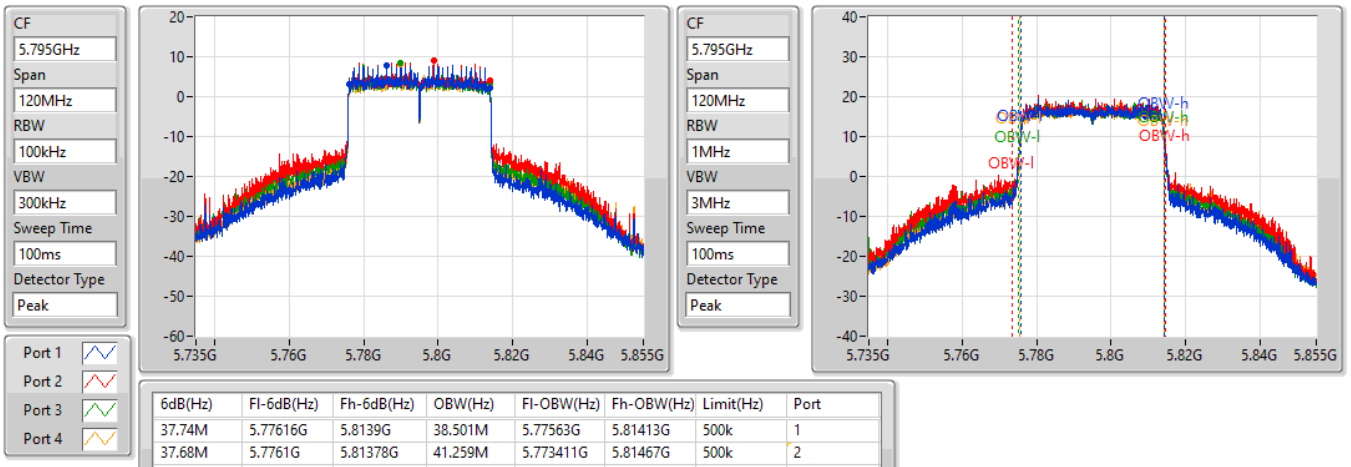


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.92M	5.73604G	5.77396G	38.621M	5.73563G	5.77425G	500k	1
37.8M	5.73598G	5.77378G	41.379M	5.733771G	5.77515G	500k	2
37.62M	5.73622G	5.77384G	39.04M	5.73545G	5.77449G	500k	3
37.68M	5.7361G	5.77378G	39.76M	5.73503G	5.77479G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5795MHz

18/02/2022

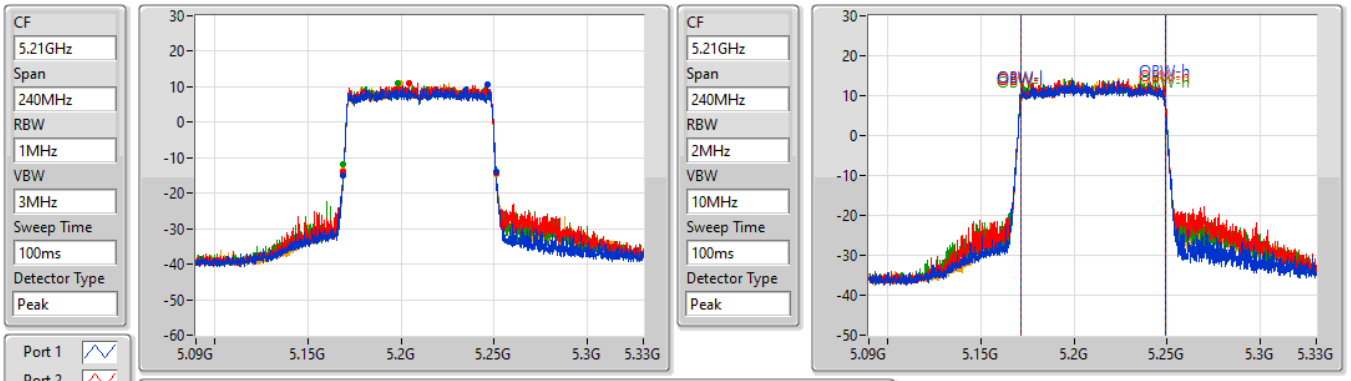


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.74M	5.77616G	5.8139G	38.501M	5.77563G	5.81413G	500k	1
37.68M	5.7761G	5.81378G	41.259M	5.773411G	5.81467G	500k	2
37.62M	5.77616G	5.81378G	39.22M	5.77509G	5.81431G	500k	3
37.56M	5.77616G	5.81372G	38.801M	5.77557G	5.81437G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5210MHz

18/02/2022

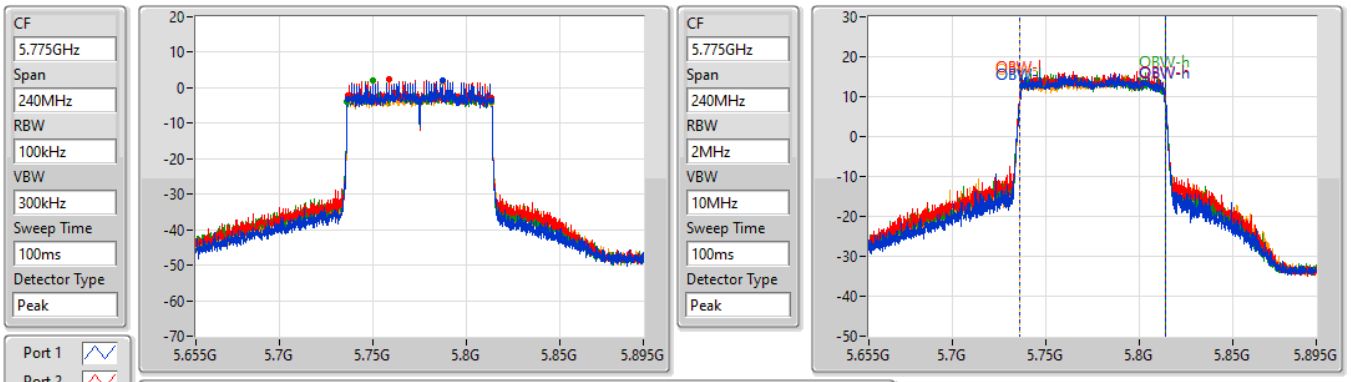


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.16884G	5.25104G	77.601M	5.171259G	5.248861G	Inf	1
81.72M	5.1692G	5.25092G	77.481M	5.171379G	5.248861G	Inf	2
81.84M	5.16896G	5.2508G	77.601M	5.171259G	5.248861G	Inf	3
81.84M	5.16908G	5.25092G	77.481M	5.171379G	5.248861G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5775MHz

18/02/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.4M	5.73636G	5.81376G	77.721M	5.736139G	5.813861G	500k	1
77.16M	5.73624G	5.8134G	77.841M	5.736019G	5.813861G	500k	2
77.16M	5.73612G	5.81328G	77.961M	5.7359G	5.813861G	500k	3
77.28M	5.73624G	5.81352G	77.841M	5.736139G	5.813981G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.69	0.93111
802.11ax HEW20_Nss1,(MCS0)_4TX	29.55	0.90157
802.11ax HEW40_Nss1,(MCS0)_4TX	28.36	0.68549
802.11ax HEW80_Nss1,(MCS0)_4TX	23.18	0.20797
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	26.78	0.47643
802.11ax HEW20_Nss1,(MCS0)_4TX	26.91	0.49091
802.11ax HEW40_Nss1,(MCS0)_4TX	28.65	0.73282
802.11ax HEW80_Nss1,(MCS0)_4TX	25.31	0.33963

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.84	19.32	19.64	19.27	19.13	25.36	30.00
5200MHz	Pass	4.84	23.75	23.88	23.54	23.48	29.69	30.00
5240MHz	Pass	4.84	22.88	23.14	22.77	22.91	28.95	30.00
5745MHz	Pass	4.68	20.51	21.38	20.94	20.12	26.78	30.00
5785MHz	Pass	4.68	20.34	20.75	20.23	19.78	26.31	30.00
5825MHz	Pass	4.68	19.26	19.93	19.35	19.57	25.56	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.84	18.78	18.95	18.76	18.53	24.78	30.00
5200MHz	Pass	4.84	23.57	23.69	23.45	23.41	29.55	30.00
5240MHz	Pass	4.84	23.56	23.67	23.24	23.58	29.54	30.00
5745MHz	Pass	4.68	20.71	21.46	21.04	20.25	26.91	30.00
5785MHz	Pass	4.68	20.42	20.96	20.36	20.11	26.49	30.00
5825MHz	Pass	4.68	19.89	20.42	19.95	20.19	26.14	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.84	17.07	17.37	17.03	16.95	23.13	30.00
5230MHz	Pass	4.84	22.23	22.53	22.32	22.26	28.36	30.00
5755MHz	Pass	4.68	22.57	23.11	22.68	22.08	28.65	30.00
5795MHz	Pass	4.68	22.46	22.84	22.35	22.25	28.50	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.84	16.95	17.33	17.14	17.22	23.18	30.00
5775MHz	Pass	4.68	19.16	19.66	19.27	19.04	25.31	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.64
802.11ax HEW20_Nss1,(MCS0)_4TX	15.86
802.11ax HEW40_Nss1,(MCS0)_4TX	11.87
802.11ax HEW80_Nss1,(MCS0)_4TX	4.10
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	12.19
802.11ax HEW20_Nss1,(MCS0)_4TX	11.63
802.11ax HEW40_Nss1,(MCS0)_4TX	10.55
802.11ax HEW80_Nss1,(MCS0)_4TX	4.51

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

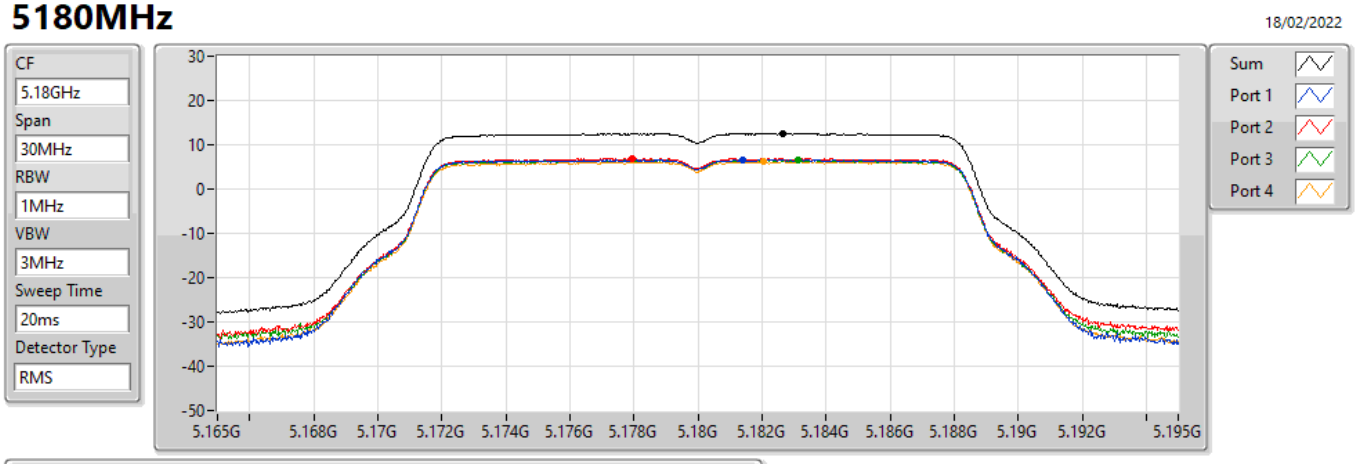
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.06	6.59	6.90	6.61	6.28	12.50	17.00
5200MHz	Pass	5.06	10.89	10.87	10.58	10.65	16.64	17.00
5240MHz	Pass	5.06	9.94	10.29	9.83	10.01	15.96	17.00
5745MHz	Pass	5.09	6.04	6.99	6.52	5.55	12.19	30.00
5785MHz	Pass	5.09	5.85	6.24	5.71	5.26	11.71	30.00
5825MHz	Pass	5.09	4.71	5.39	4.67	5.03	10.87	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.06	5.13	5.43	5.09	4.89	11.09	17.00
5200MHz	Pass	5.06	10.00	10.05	9.74	9.72	15.86	17.00
5240MHz	Pass	5.06	9.83	10.13	9.74	9.96	15.86	17.00
5745MHz	Pass	5.09	5.50	6.35	5.90	5.04	11.63	30.00
5785MHz	Pass	5.09	5.29	5.69	5.17	4.90	11.19	30.00
5825MHz	Pass	5.09	4.60	5.31	4.77	4.99	10.84	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.06	0.72	0.83	0.73	0.56	6.63	17.00
5230MHz	Pass	5.06	5.75	6.26	5.94	5.75	11.87	17.00
5755MHz	Pass	5.09	4.52	5.18	4.68	3.84	10.49	30.00
5795MHz	Pass	5.09	4.50	5.01	4.52	4.42	10.55	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.06	-2.11	-1.60	-1.86	-1.81	4.10	17.00
5775MHz	Pass	5.09	-1.54	-1.01	-1.45	-1.54	4.51	30.00

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

802.11a_Nss1,(6Mbps)_4TX PSD

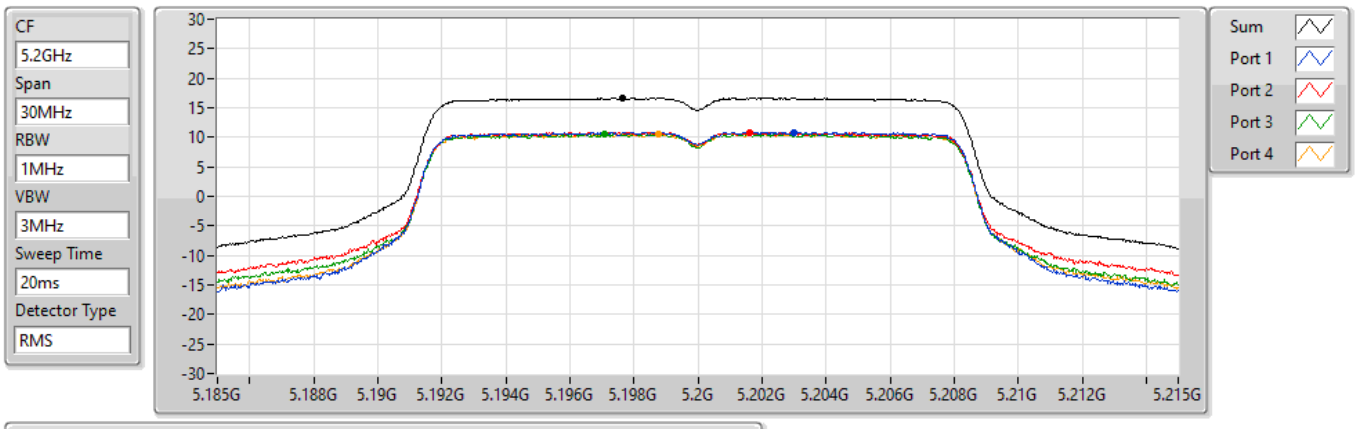
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.50	12.50	6.59	6.90	6.61	6.28

802.11a_Nss1,(6Mbps)_4TX PSD

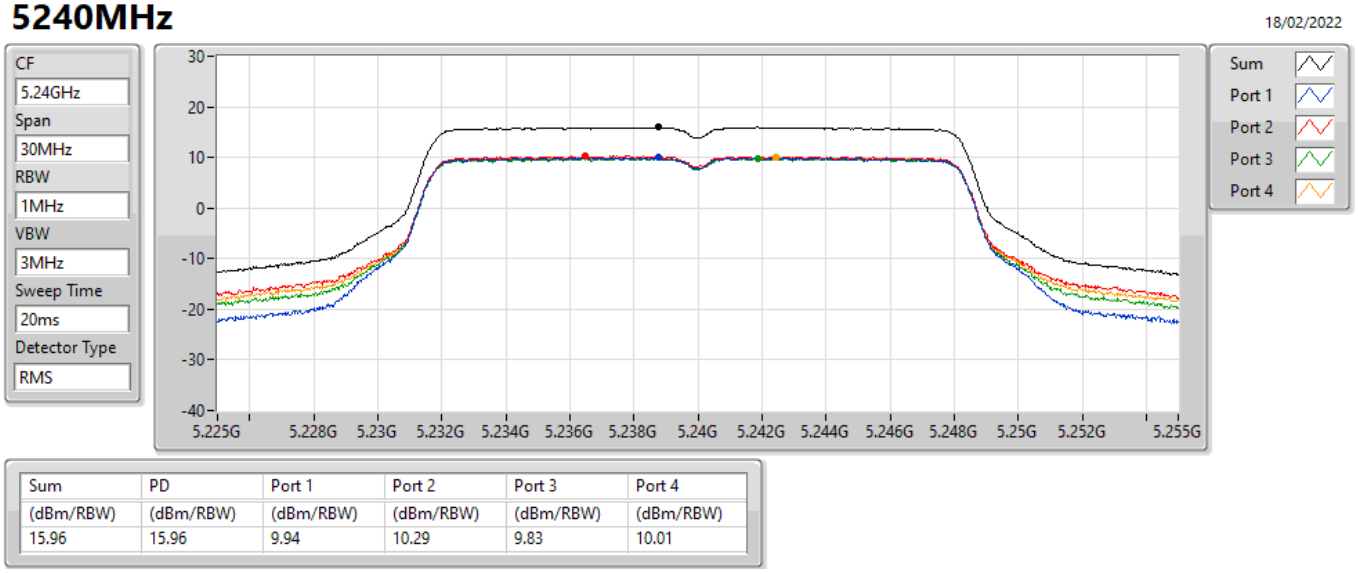
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.64	16.64	10.89	10.87	10.58	10.65

802.11a_Nss1,(6Mbps)_4TX PSD

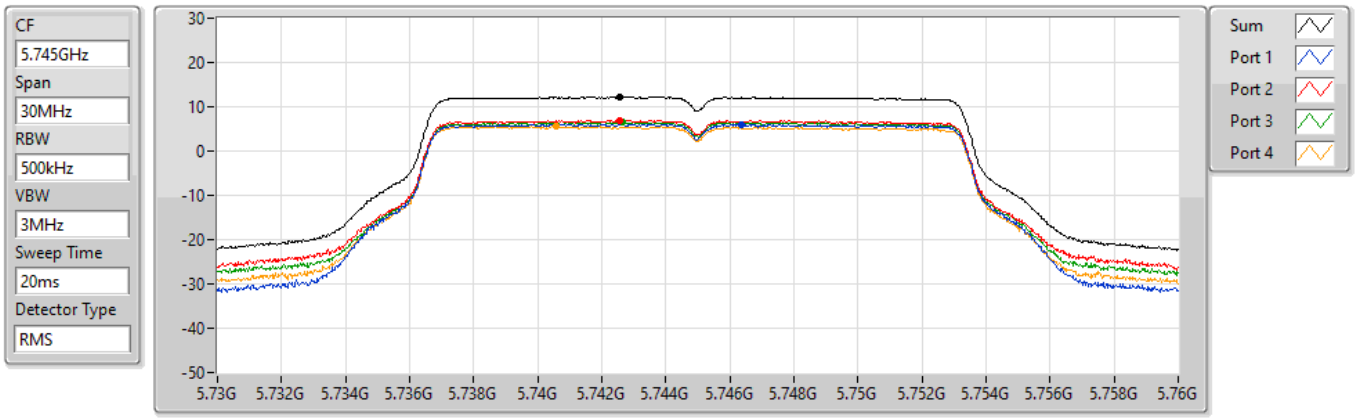
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.96	15.96	9.94	10.29	9.83	10.01

802.11a_Nss1,(6Mbps)_4TX PSD

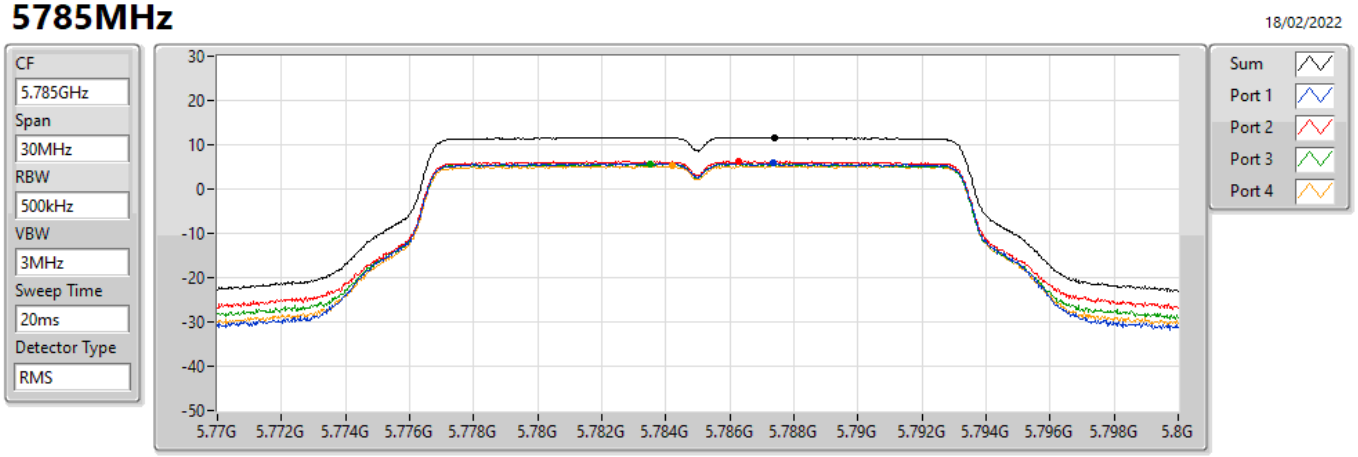
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.19	12.19	6.04	6.99	6.52	5.55

802.11a_Nss1,(6Mbps)_4TX PSD

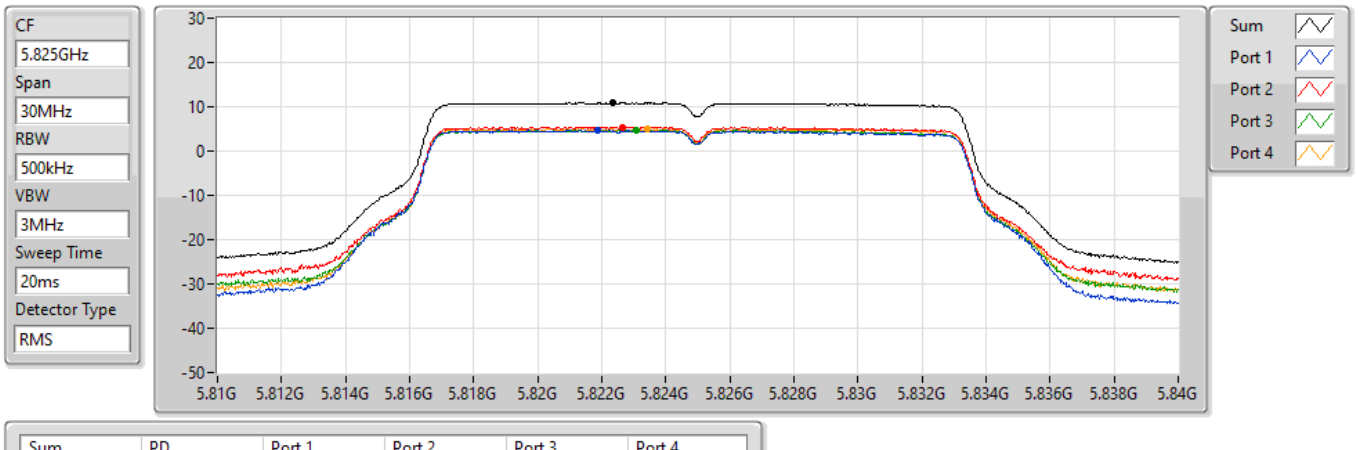
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.71	11.71	5.85	6.24	5.71	5.26

802.11a_Nss1,(6Mbps)_4TX PSD

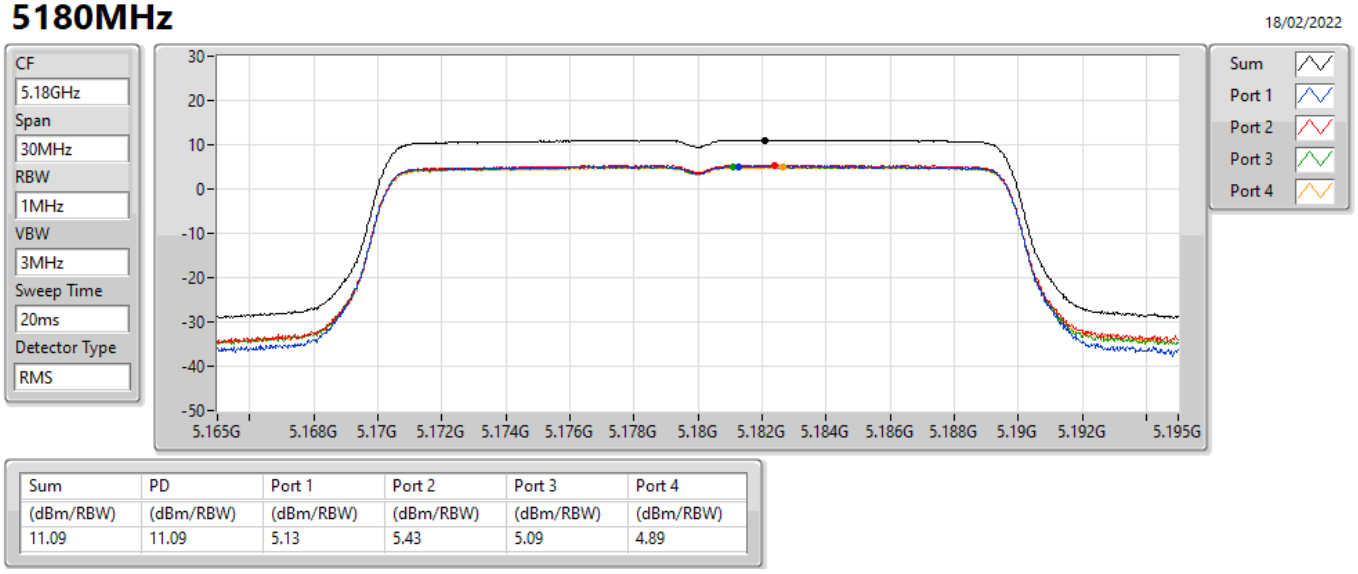
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.87	10.87	4.71	5.39	4.67	5.03

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

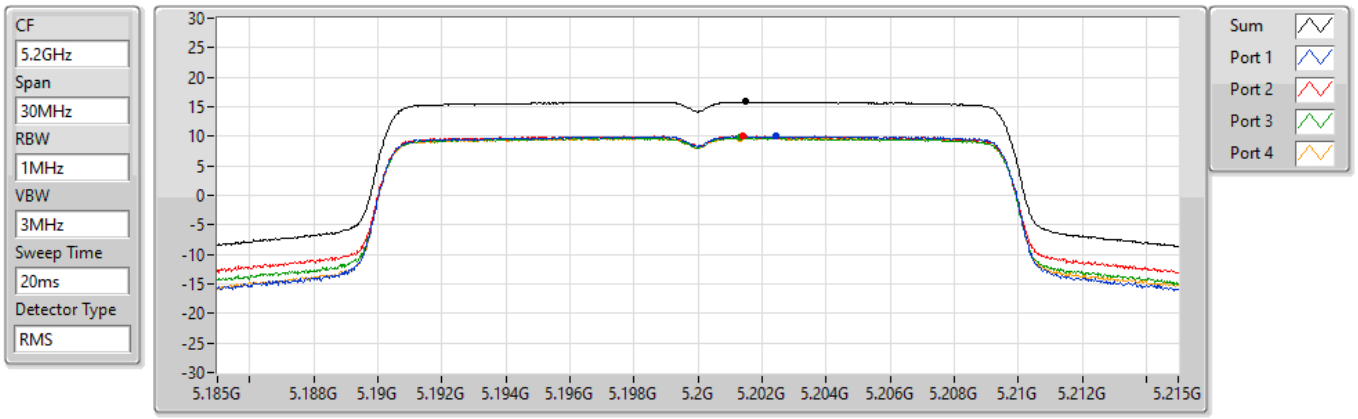
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.09	11.09	5.13	5.43	5.09	4.89

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

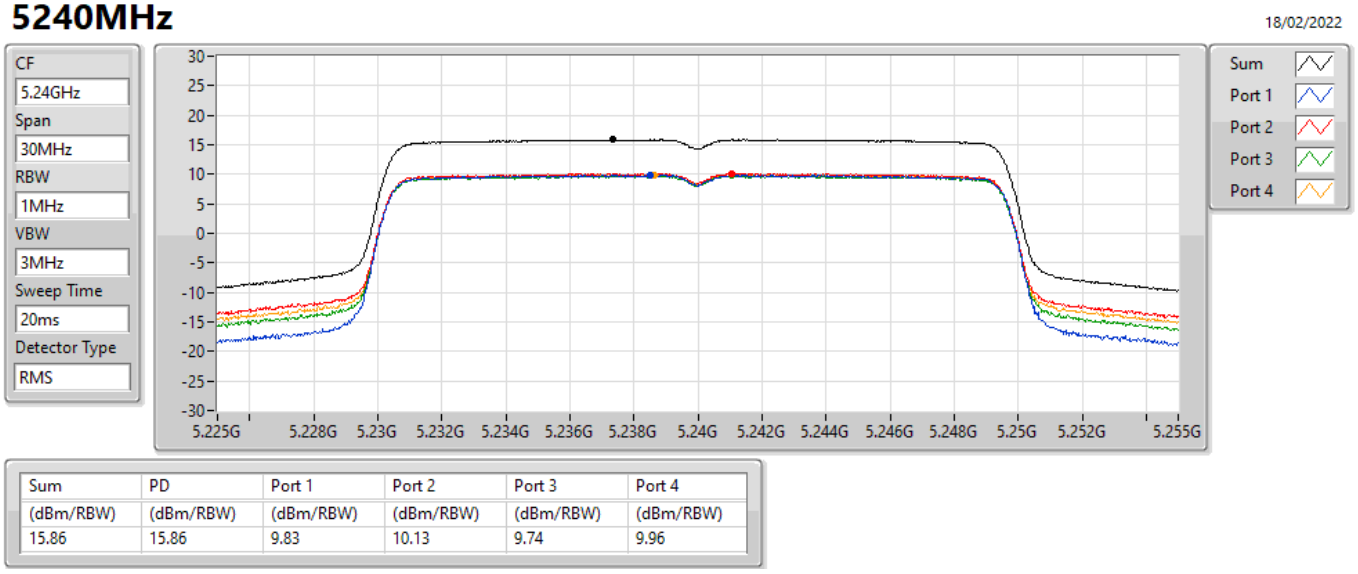
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.86	15.86	10.00	10.05	9.74	9.72

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

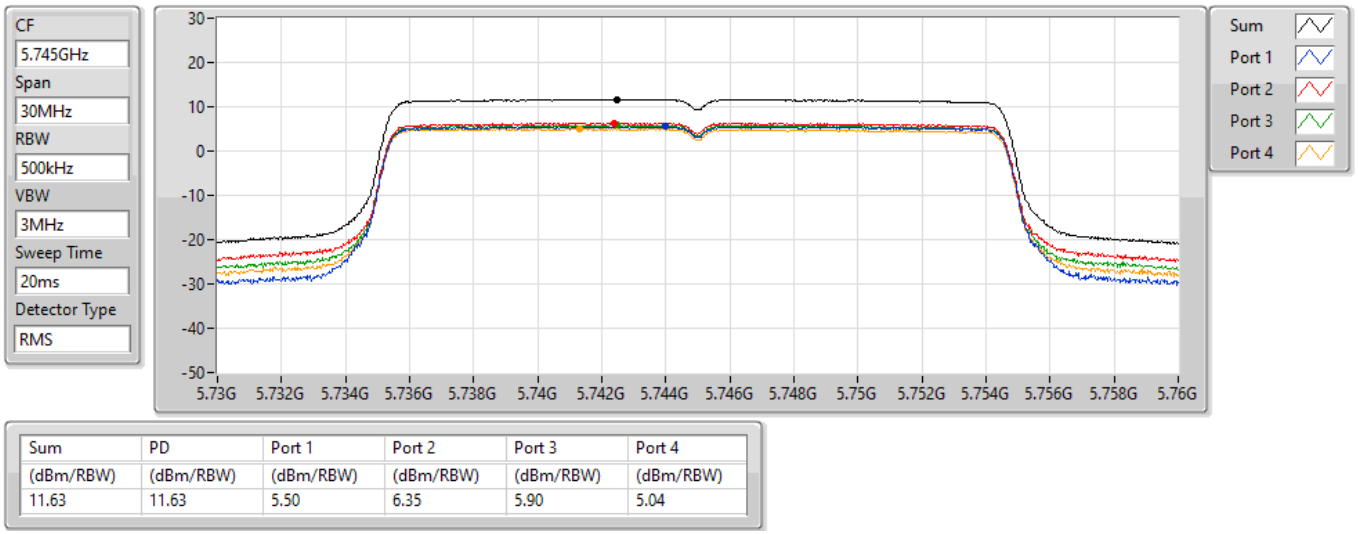
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.86	15.86	9.83	10.13	9.74	9.96

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

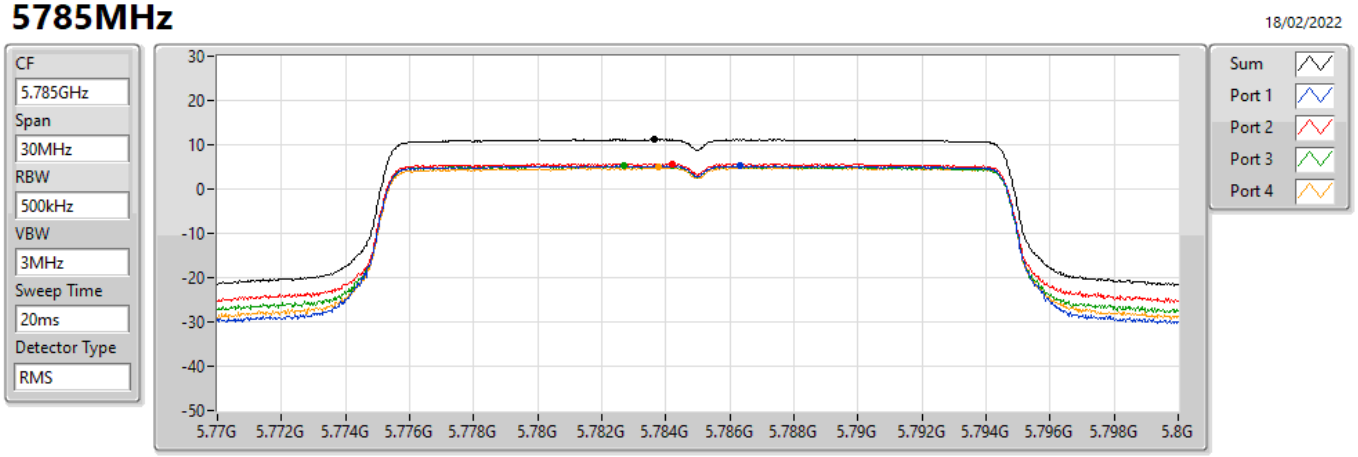
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.63	11.63	5.50	6.35	5.90	5.04

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

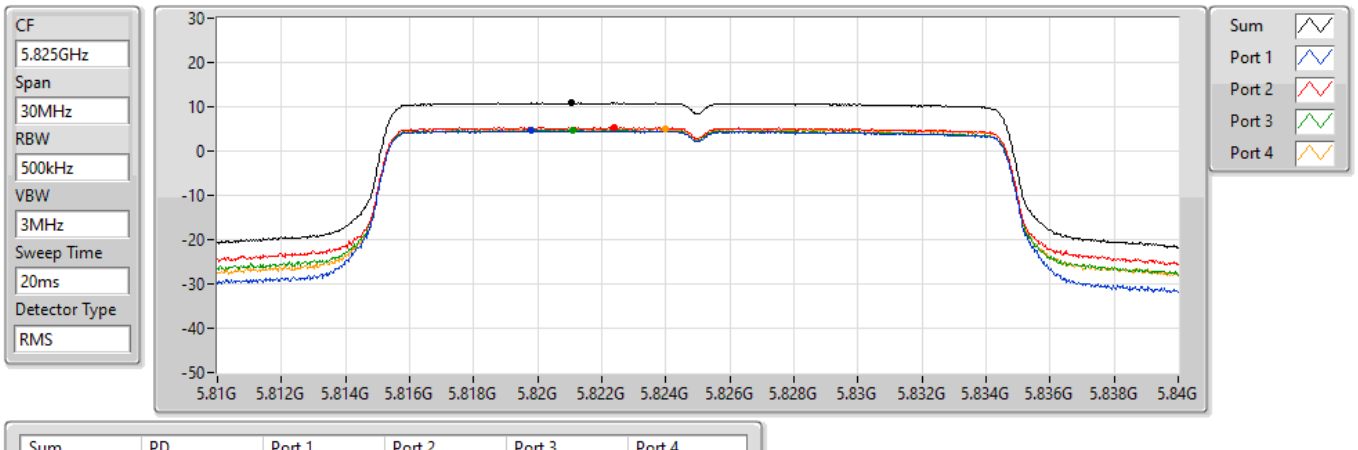
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.19	11.19	5.29	5.69	5.17	4.90

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

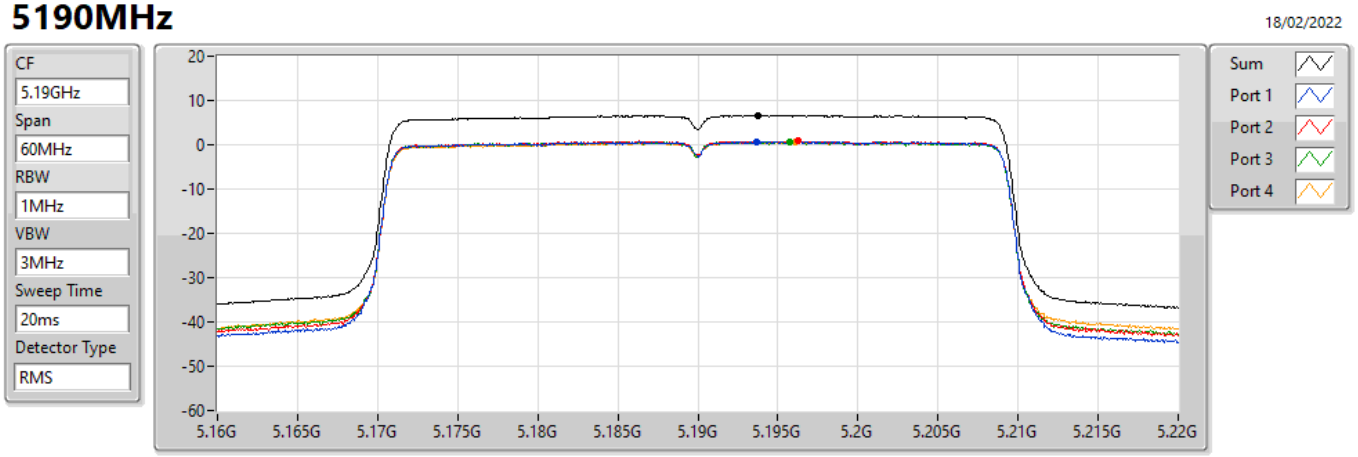
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.84	10.84	4.60	5.31	4.77	4.99

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

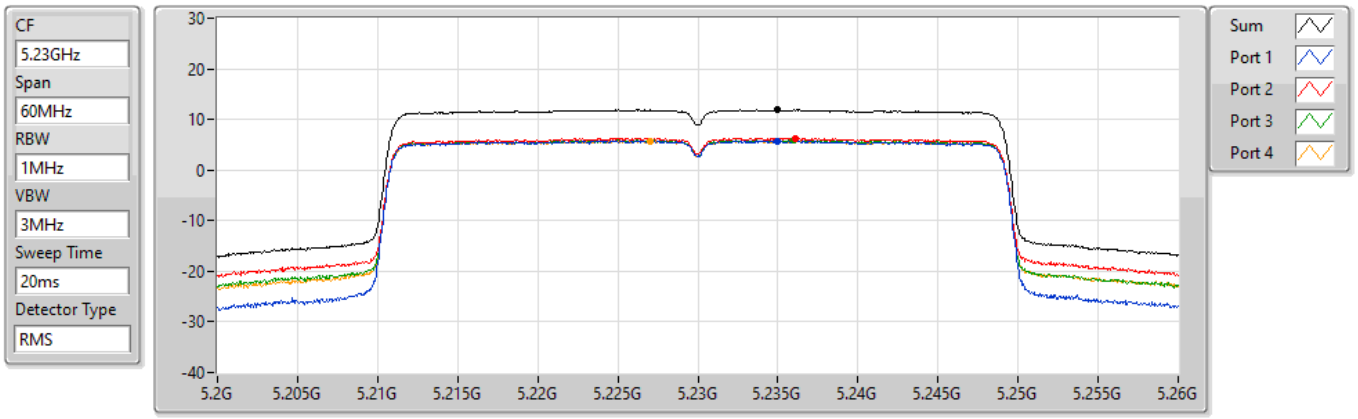
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.63	6.63	0.72	0.83	0.73	0.56

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

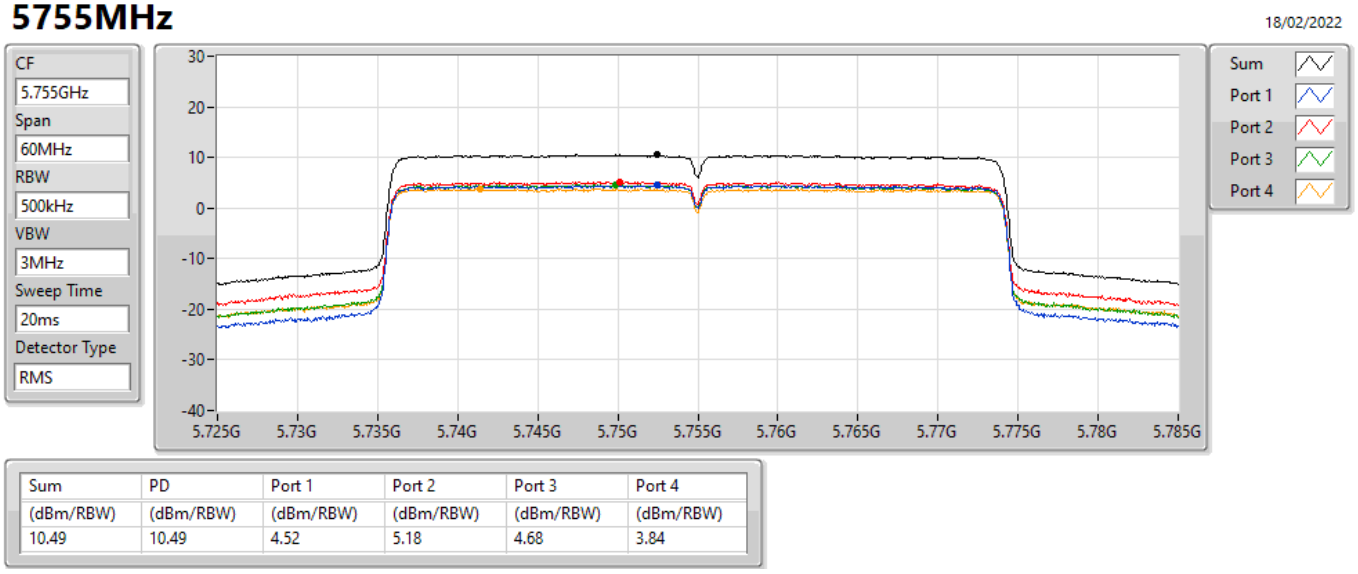
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.87	11.87	5.75	6.26	5.94	5.75

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

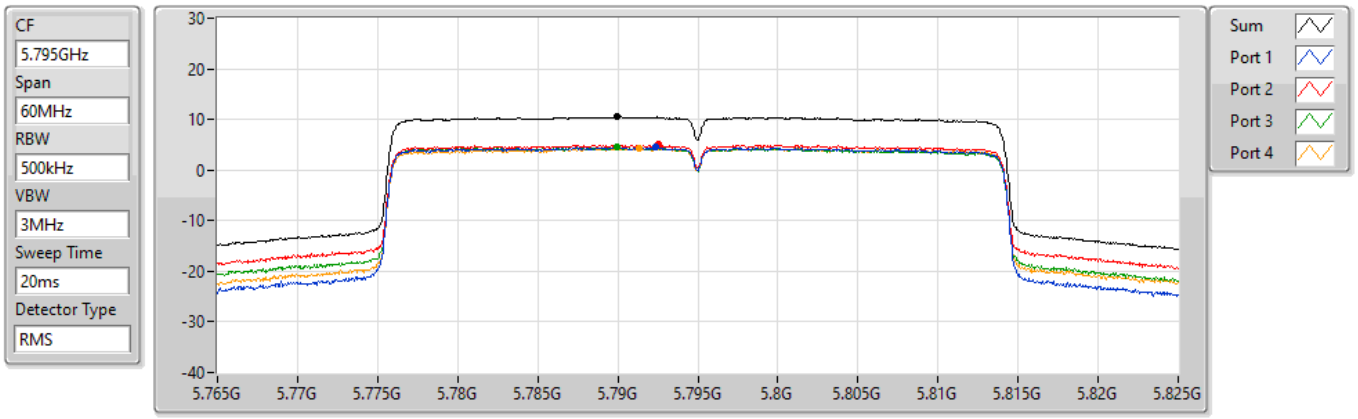
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.49	10.49	4.52	5.18	4.68	3.84

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

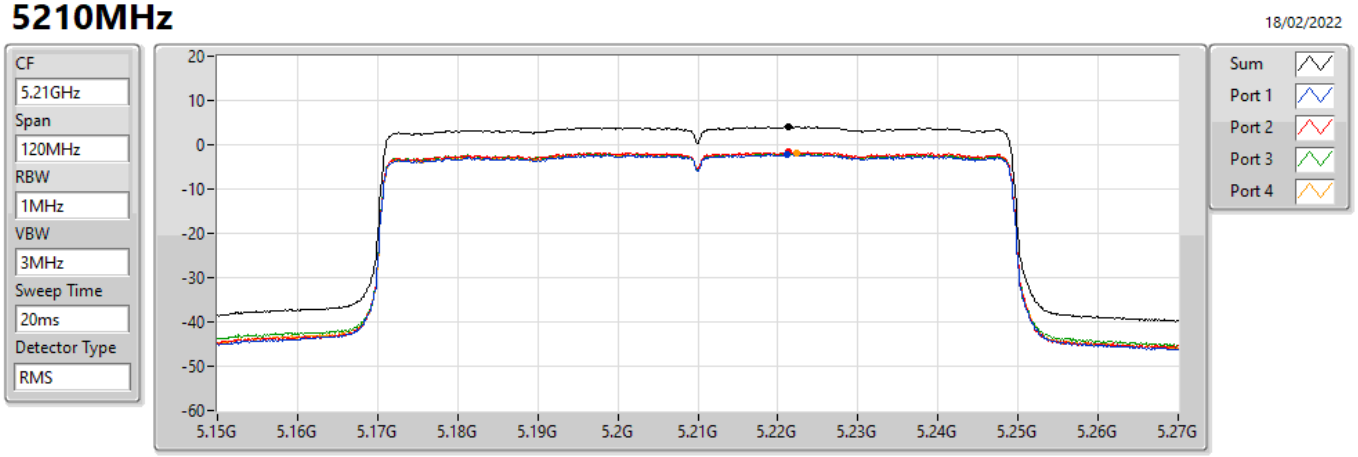
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.55	10.55	4.50	5.01	4.52	4.42

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

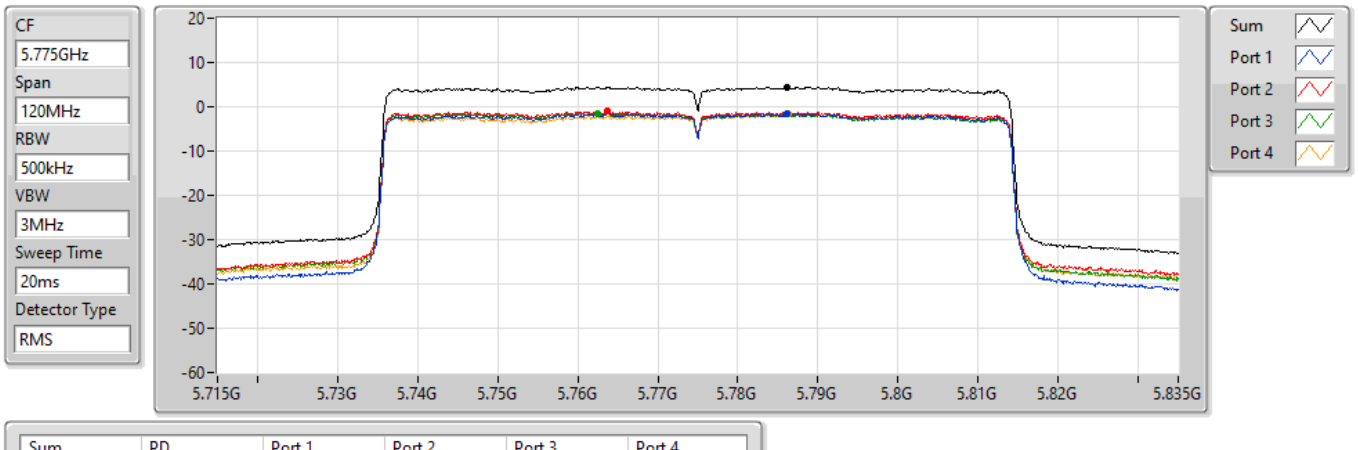
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.10	4.10	-2.11	-1.60	-1.86	-1.81

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5775MHz

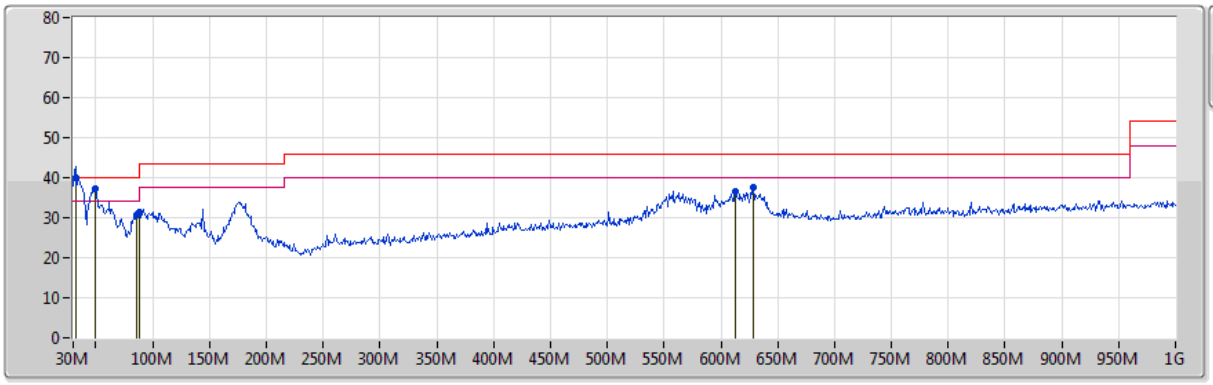


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.51	4.51	-1.54	-1.01	-1.45	-1.54

Summary

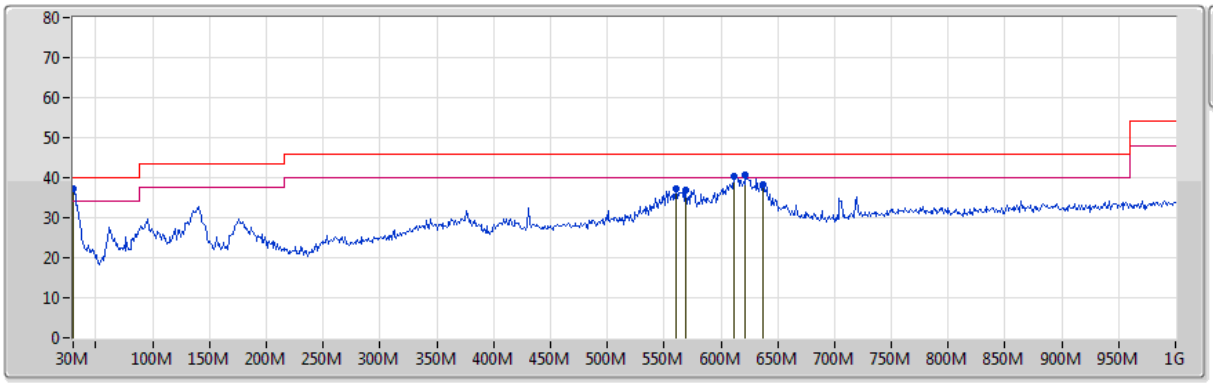
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	31.94M	39.84	40.00	-0.16	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	31.94M	39.84	40.00	-0.16	-3.46	3	Vertical	242	2.00	"Worst"	43.30	23.77	1.24	28.47
PK	49.4M	37.19	40.00	-2.81	-12.65	3	Vertical	222	2.00	-	49.84	14.52	1.31	28.48
PK	86.26M	30.59	40.00	-9.41	-13.01	3	Vertical	155	1.25	-	43.60	14.01	1.50	28.52
PK	88M	31.50	43.50	-12.00	-12.80	3	Vertical	88	1.25	-	44.30	14.21	1.50	28.51
PK	612.97M	36.54	46.00	-9.46	-1.24	3	Vertical	146	1.00	-	37.78	24.73	3.25	29.22
PK	628.49M	37.47	46.00	-8.53	-0.84	3	Vertical	185	1.00	-	38.31	25.08	3.31	29.23

Mode 1



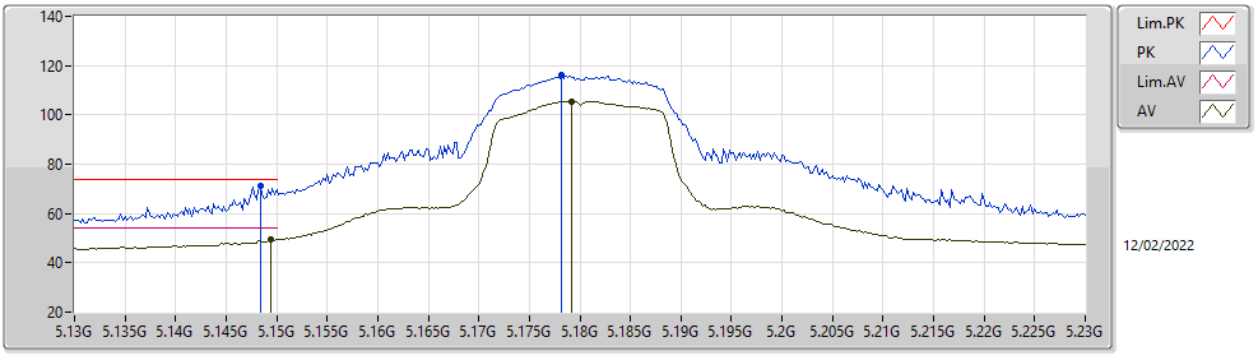
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	30M	37.39	40.00	-2.61	-2.07	3	Horizontal	28	1.50	"Worst"	39.46	25.20	1.20	28.47
PK	560.59M	37.38	46.00	-8.62	-1.31	3	Horizontal	204	2.00	-	38.69	24.78	3.20	29.29
PK	569.32M	36.82	46.00	-9.18	-1.42	3	Horizontal	204	2.00	-	38.24	24.65	3.20	29.27
PK	612M	40.38	46.00	-5.62	-1.25	3	Horizontal	205	1.50	-	41.63	24.71	3.25	29.21
PK	621.7M	40.68	46.00	-5.32	-0.99	3	Horizontal	196	1.50	-	41.67	24.95	3.29	29.23
PK	637.22M	38.23	46.00	-7.77	-0.79	3	Horizontal	10	1.50	-	39.02	25.10	3.35	29.24

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	PK	17.3461G	68.16	68.20	-0.04	3	Horizontal	128	1.80	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

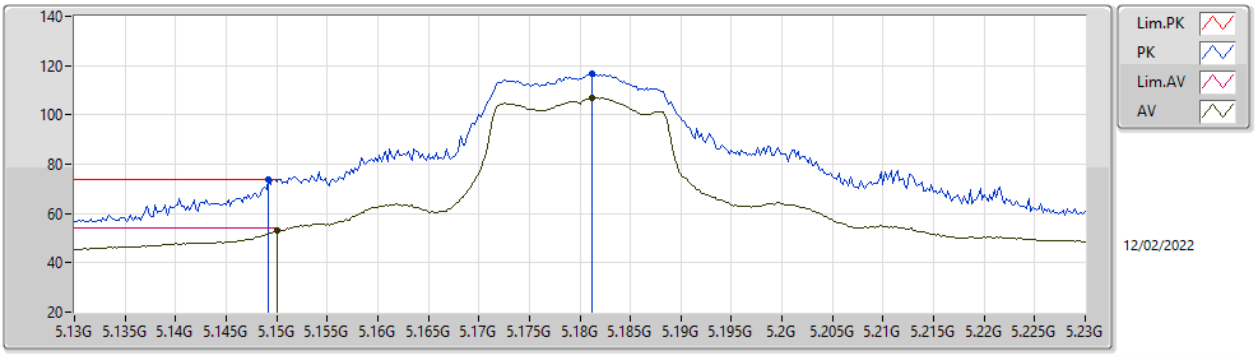


EUT X_4TX
Setting 79
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1484G	71.29	74.00	-2.71	66.50	3	Vertical	61	2.10	-	32.91	5.05	33.17
AV	5.1494G	49.34	54.00	-4.66	44.56	3	Vertical	61	2.10	-	32.90	5.05	33.17
PK	5.1782G	116.44	Inf	-Inf	111.57	3	Vertical	61	2.10	-	32.96	5.08	33.17
AV	5.1792G	105.57	Inf	-Inf	100.70	3	Vertical	61	2.10	-	32.96	5.08	33.17

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

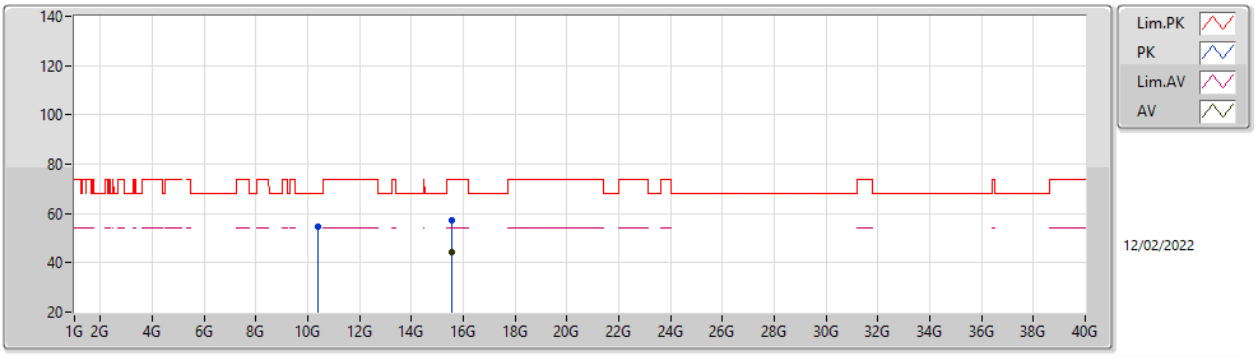


EUT X_4TX
Setting 79
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	73.66	74.00	-0.34	68.88	3	Horizontal	360	1.14	-	32.90	5.05	33.17
AV	5.15G	53.10	54.00	-0.90	48.32	3	Horizontal	360	1.14	-	32.90	5.05	33.17
PK	5.1812G	116.73	Inf	-Inf	111.86	3	Horizontal	360	1.14	-	32.96	5.08	33.17
AV	5.1812G	106.69	Inf	-Inf	101.82	3	Horizontal	360	1.14	-	32.96	5.08	33.17

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

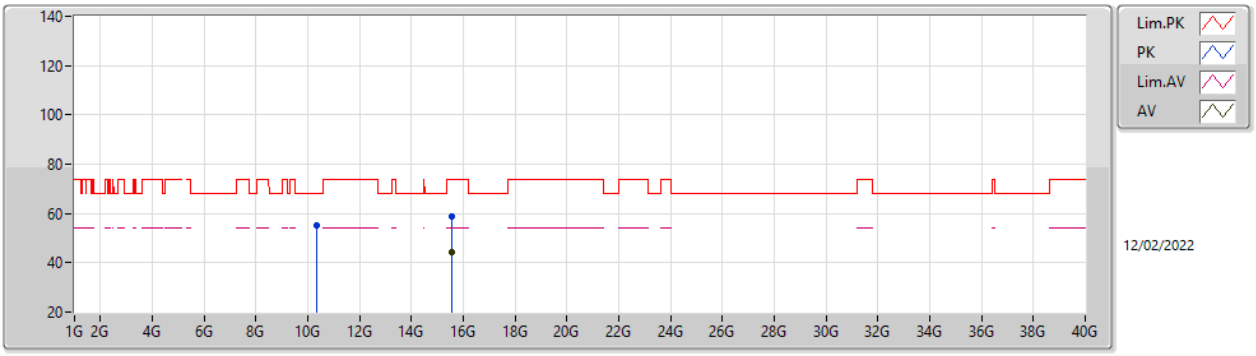


EUT X_4TX
Setting 79
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.3727G	54.72	68.20	-13.48	41.89	3	Vertical	197	2.97	-	38.97	7.86	34.00
PK	15.541G	57.39	74.00	-16.61	44.69	3	Vertical	189	1.67	-	38.84	8.99	35.13
AV	15.542G	44.45	54.00	-9.55	31.76	3	Vertical	189	1.67	-	38.83	8.99	35.13

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

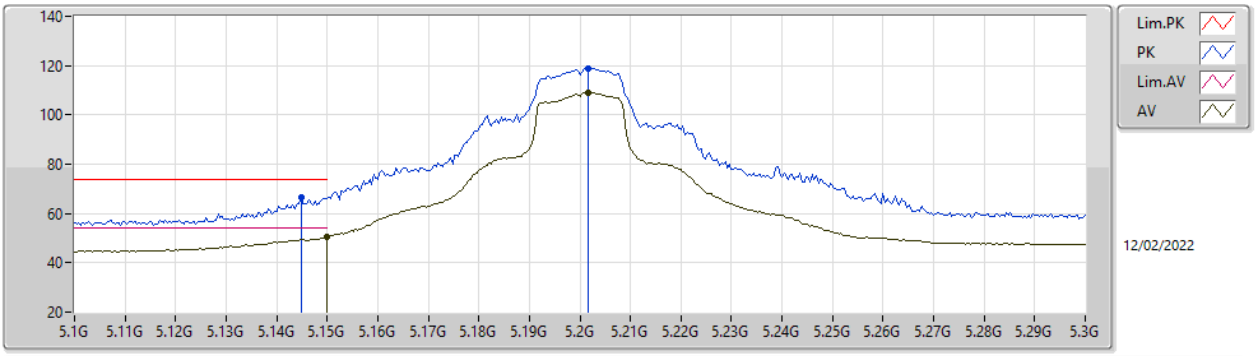


EUT X_4TX
Setting 79
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.36018G	55.33	68.20	-12.87	42.50	3	Horizontal	330	3.00	-	38.96	7.85	33.98
PK	15.53746G	58.60	74.00	-15.40	45.90	3	Horizontal	240	1.80	-	38.85	8.98	35.13
AV	15.54122G	44.54	54.00	-9.46	31.84	3	Horizontal	240	1.80	-	38.84	8.99	35.13

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

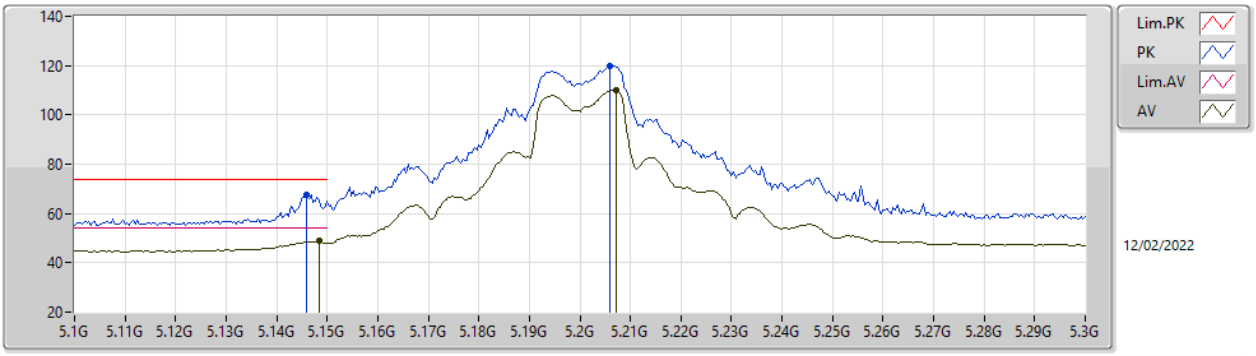


EUT X_4TX
Setting 98
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1448G	66.65	74.00	-7.35	61.86	3	Vertical	40	2.00	-	32.92	5.04	33.17
AV	5.15G	50.69	54.00	-3.31	45.91	3	Vertical	40	2.00	-	32.90	5.05	33.17
PK	5.2016G	119.00	Inf	-Inf	114.07	3	Vertical	40	2.00	-	33.00	5.10	33.17
AV	5.2016G	109.11	Inf	-Inf	104.18	3	Vertical	40	2.00	-	33.00	5.10	33.17

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

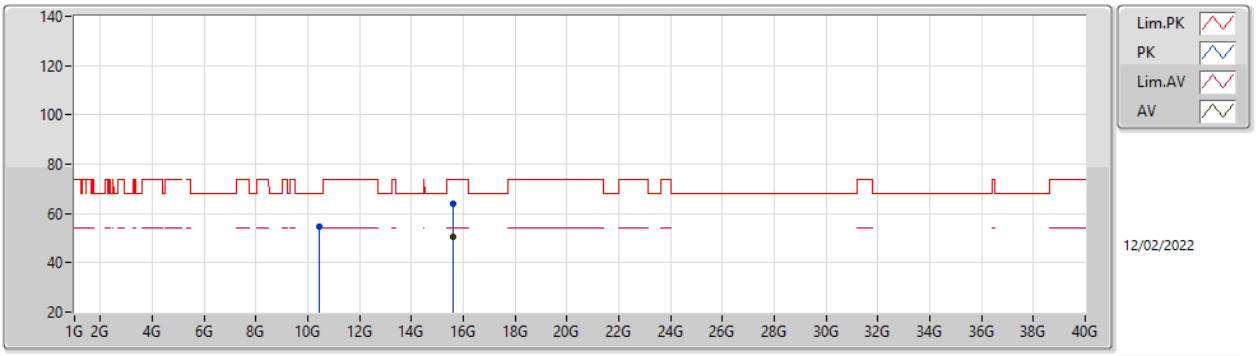


EUT X_4TX
Setting 98
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.146G	67.83	74.00	-6.17	63.03	3	Horizontal	166	2.58	-	32.92	5.05	33.17
AV	5.1484G	48.87	54.00	-5.13	44.08	3	Horizontal	166	2.58	-	32.91	5.05	33.17
PK	5.206G	120.00	Inf	-Inf	115.07	3	Horizontal	166	2.58	-	33.00	5.10	33.17
AV	5.2072G	109.86	Inf	-Inf	104.93	3	Horizontal	166	2.58	-	33.00	5.10	33.17

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

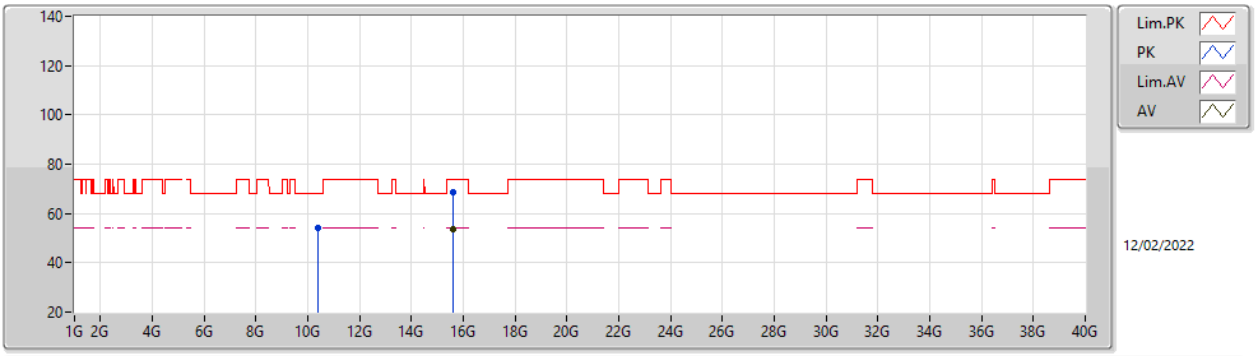


EUT X_4TX
Setting 98
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.425G	54.75	68.20	-13.45	41.85	3	Vertical	169	1.75	-	39.05	7.90	34.05
PK	15.6046G	63.98	74.00	-10.02	51.53	3	Vertical	192	2.46	-	38.59	9.00	35.14
AV	15.604G	50.27	54.00	-3.73	37.82	3	Vertical	192	2.46	-	38.59	9.00	35.14

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

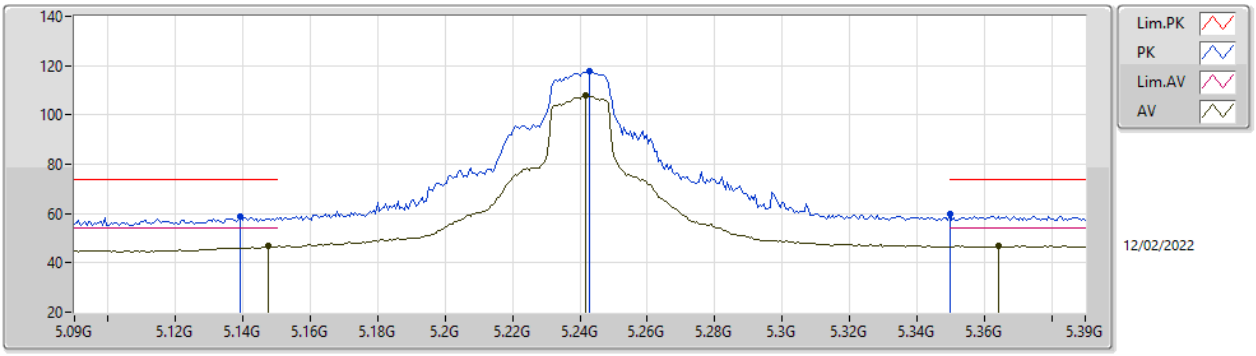


EUT X_4TX
Setting 98
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4019G	54.24	68.20	-13.96	41.38	3	Horizontal	164	2.59	-	39.00	7.88	34.02
PK	15.592G	68.51	74.00	-5.49	56.02	3	Horizontal	126.6	2.22	-	38.63	9.00	35.14
AV	15.5932G	53.80	54.00	-0.20	41.31	3	Horizontal	126.6	2.22	-	38.63	9.00	35.14

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

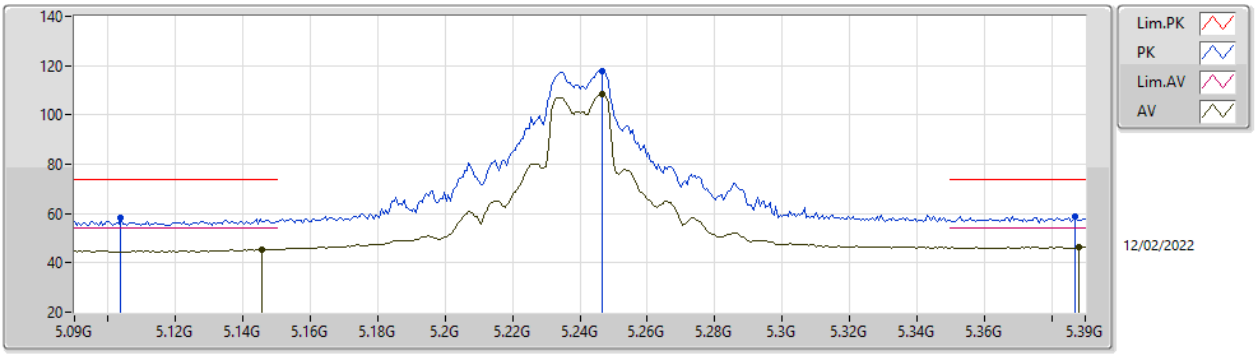


EUT X_4TX
Setting 91
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1392G	58.69	74.00	-15.31	53.88	3	Vertical	40	1.99	-	32.94	5.04	33.17
AV	5.1476G	46.66	54.00	-7.34	41.87	3	Vertical	40	1.99	-	32.91	5.05	33.17
PK	5.243G	117.58	Inf	-Inf	112.65	3	Vertical	40	1.99	-	33.00	5.10	33.17
AV	5.2418G	107.81	Inf	-Inf	102.88	3	Vertical	40	1.99	-	33.00	5.10	33.17
PK	5.35G	59.58	74.00	-14.42	54.55	3	Vertical	40	1.99	-	33.10	5.10	33.17
AV	5.3642G	46.86	54.00	-7.14	41.74	3	Vertical	40	1.99	-	33.19	5.10	33.17

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

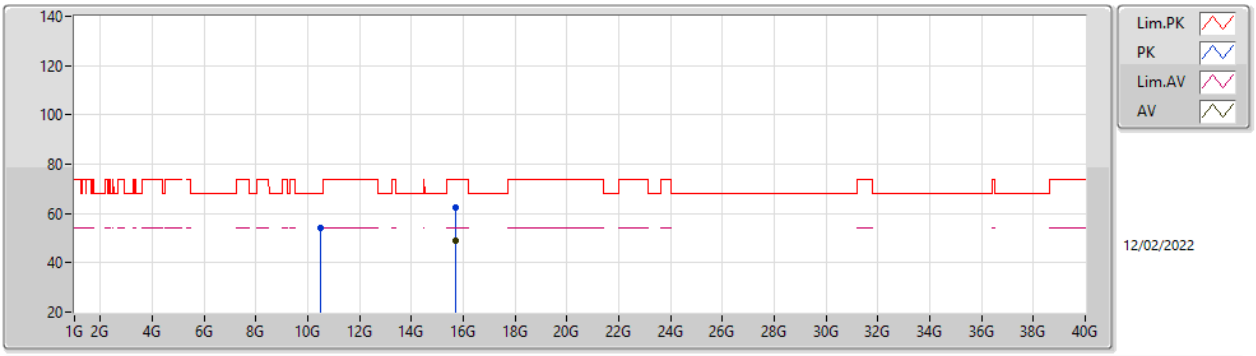


EUT X_4TX
Setting 91
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1038G	58.09	74.00	-15.91	53.17	3	Horizontal	165	2.56	-	33.08	5.00	33.16
AV	5.1458G	45.59	54.00	-8.41	40.79	3	Horizontal	165	2.56	-	32.92	5.05	33.17
PK	5.2466G	117.95	Inf	-Inf	113.02	3	Horizontal	165	2.56	-	33.00	5.10	33.17
AV	5.2466G	108.42	Inf	-Inf	103.49	3	Horizontal	165	2.56	-	33.00	5.10	33.17
PK	5.387G	59.04	74.00	-14.96	53.80	3	Horizontal	165	2.56	-	33.32	5.10	33.18
AV	5.3882G	46.37	54.00	-7.63	41.12	3	Horizontal	165	2.56	-	33.33	5.10	33.18

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

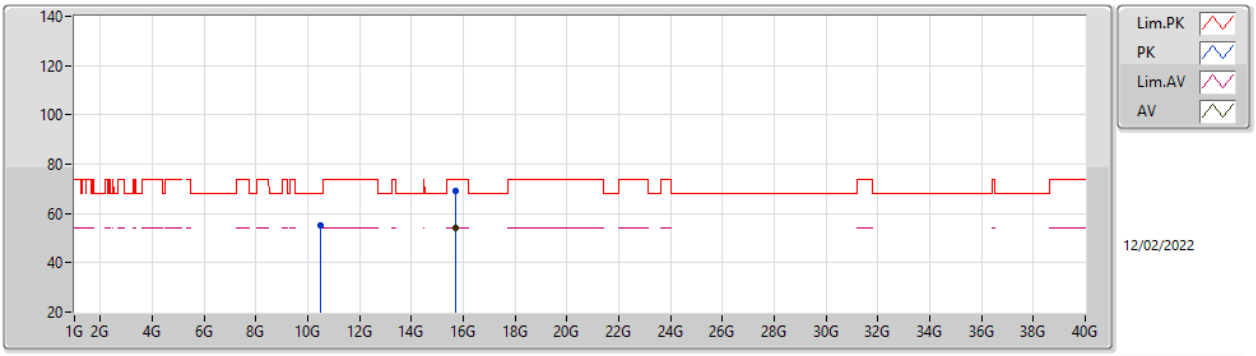


EUT X_4TX
Setting 91
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4675G	54.32	68.20	-13.88	41.34	3	Vertical	63	1.80	-	39.14	7.93	34.09
PK	15.7176G	62.61	74.00	-11.39	50.35	3	Vertical	179	2.49	-	38.37	9.03	35.14
AV	15.7224G	48.95	54.00	-5.05	36.67	3	Vertical	179	2.49	-	38.39	9.03	35.14

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

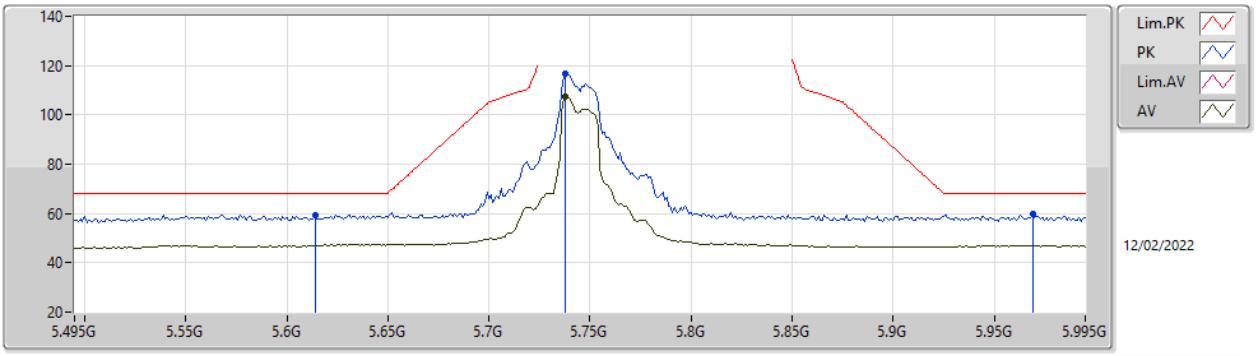


EUT X_4TX
Setting 91
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4687G	55.00	68.20	-13.20	42.02	3	Horizontal	285	1.80	-	39.14	7.93	34.09
PK	15.7223G	69.35	74.00	-4.65	57.07	3	Horizontal	130	2.04	-	38.39	9.03	35.14
AV	15.7226G	53.90	54.00	-0.10	41.62	3	Horizontal	130	2.04	-	38.39	9.03	35.14

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

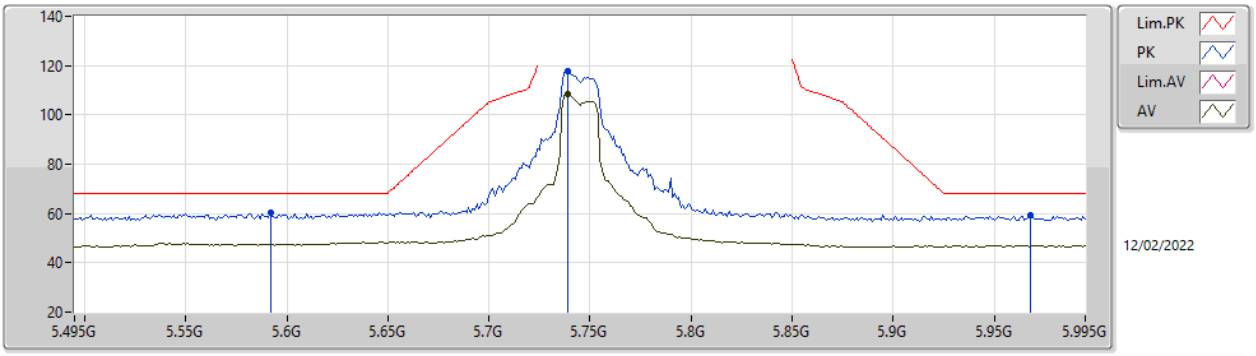


EUT X_4TX
Setting 84
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.614G	59.23	68.20	-8.97	53.08	3	Vertical	87	1.89	-	34.08	5.30	33.23
PK	5.738G	116.60	Inf	-Inf	110.23	3	Vertical	87	1.89	-	34.35	5.30	33.28
AV	5.738G	107.48	Inf	-Inf	101.11	3	Vertical	87	1.89	-	34.35	5.30	33.28
PK	5.969G	59.71	68.20	-8.49	52.42	3	Vertical	87	1.89	-	35.28	5.38	33.37

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

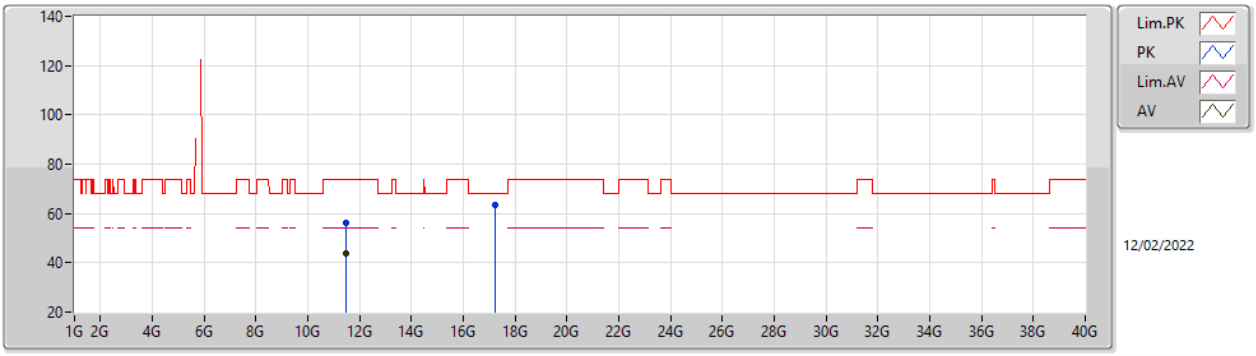


EUT X_4TX
Setting 84
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.592G	60.18	68.20	-8.02	54.09	3	Horizontal	11	1.09	-	34.02	5.29	33.22
PK	5.739G	117.77	Inf	-Inf	111.39	3	Horizontal	11	1.09	-	34.36	5.30	33.28
AV	5.739G	108.57	Inf	-Inf	102.19	3	Horizontal	11	1.09	-	34.36	5.30	33.28
PK	5.968G	59.50	68.20	-8.70	52.22	3	Horizontal	11	1.09	-	35.27	5.38	33.37

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

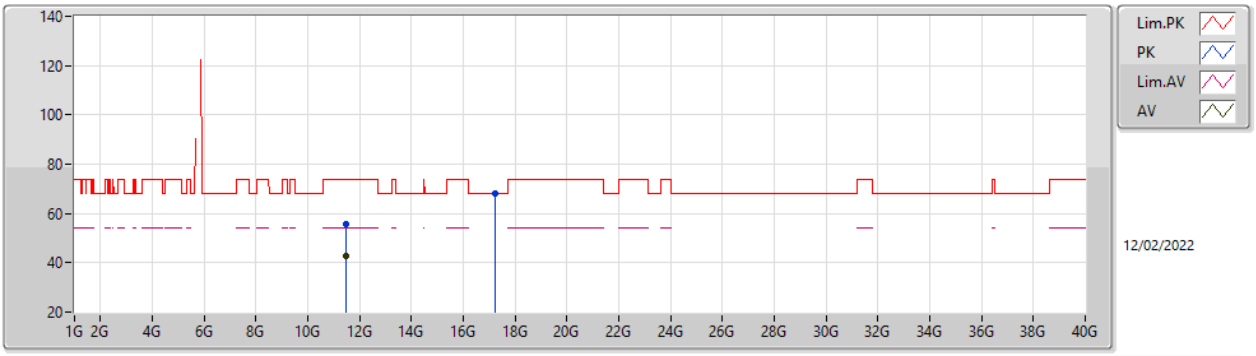


EUT X_4TX
Setting 84
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4837G	55.98	74.00	-18.02	42.77	3	Vertical	-0	2.97	-	39.32	8.64	34.75
AV	11.4901G	43.86	54.00	-10.14	30.67	3	Vertical	-0	2.97	-	39.31	8.64	34.76
PK	17.2293G	63.35	68.20	-4.85	47.15	3	Vertical	149	1.90	-	41.35	9.53	34.68

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

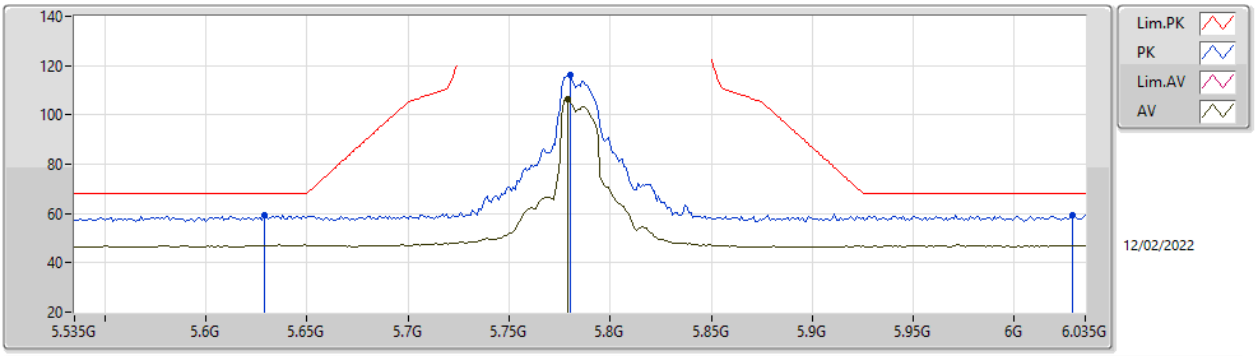


EUT X_4TX
Setting 84
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4924G	55.48	74.00	-18.52	42.29	3	Horizontal	299	2.52	-	39.31	8.64	34.76
AV	11.49G	42.96	54.00	-11.04	29.76	3	Horizontal	299	2.52	-	39.31	8.64	34.75
PK	17.2295G	68.03	68.20	-0.17	51.83	3	Horizontal	127	1.80	-	41.35	9.53	34.68

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

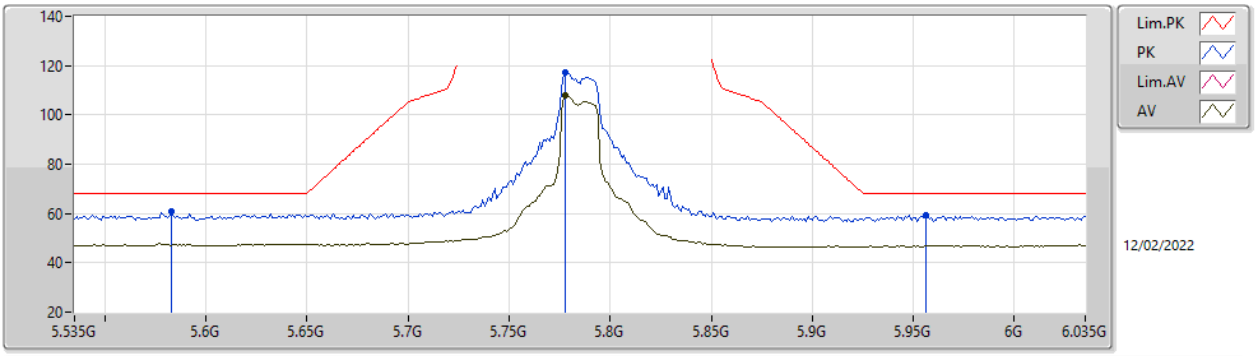


EUT X_4TX
Setting 84
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.629G	59.22	68.20	-8.98	52.98	3	Vertical	90	1.84	-	34.17	5.30	33.23
PK	5.78G	116.00	Inf	-Inf	109.53	3	Vertical	90	1.84	-	34.46	5.30	33.29
AV	5.779G	106.30	Inf	-Inf	99.83	3	Vertical	90	1.84	-	34.46	5.30	33.29
PK	6.029G	59.41	68.20	-8.79	51.94	3	Vertical	90	1.84	-	35.40	5.43	33.36

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

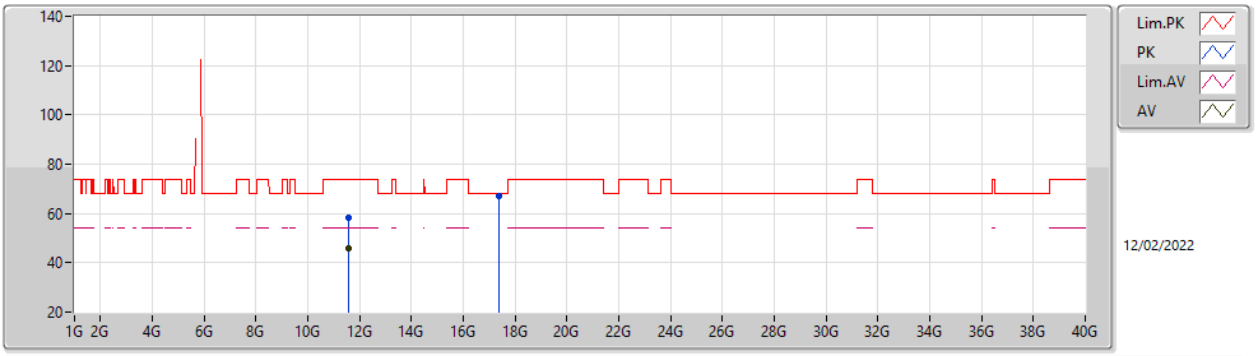


EUT X_4TX
Setting 84
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.583G	61.06	68.20	-7.14	54.96	3	Horizontal	10	1.15	-	34.03	5.28	33.21
PK	5.778G	117.38	Inf	-Inf	110.91	3	Horizontal	10	1.15	-	34.46	5.30	33.29
AV	5.778G	107.94	Inf	-Inf	101.47	3	Horizontal	10	1.15	-	34.46	5.30	33.29
PK	5.956G	59.27	68.20	-8.93	52.03	3	Horizontal	10	1.15	-	35.22	5.38	33.36

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

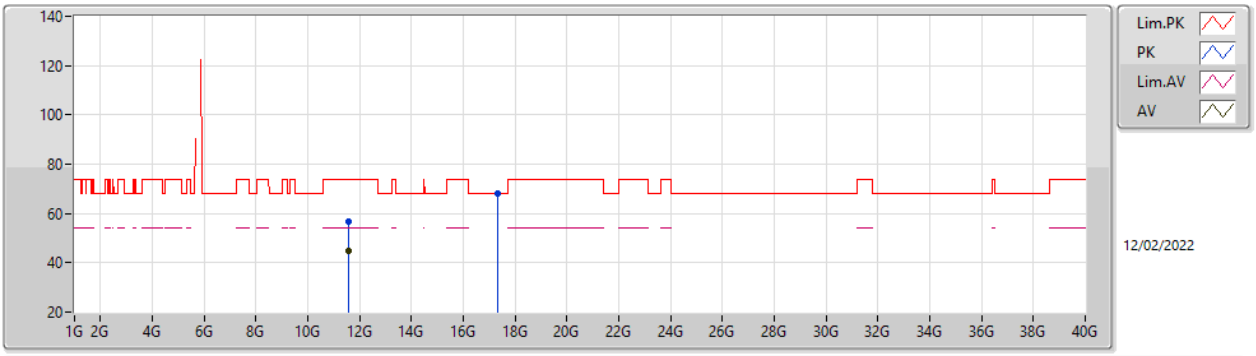


EUT X_4TX
Setting 84
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5707G	58.21	74.00	-15.79	45.00	3	Vertical	11	2.77	-	39.30	8.70	34.79
AV	11.57G	45.88	54.00	-8.12	32.67	3	Vertical	11	2.77	-	39.30	8.70	34.79
PK	17.3543G	67.29	68.20	-0.91	50.45	3	Vertical	21	2.03	-	41.86	9.57	34.59

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

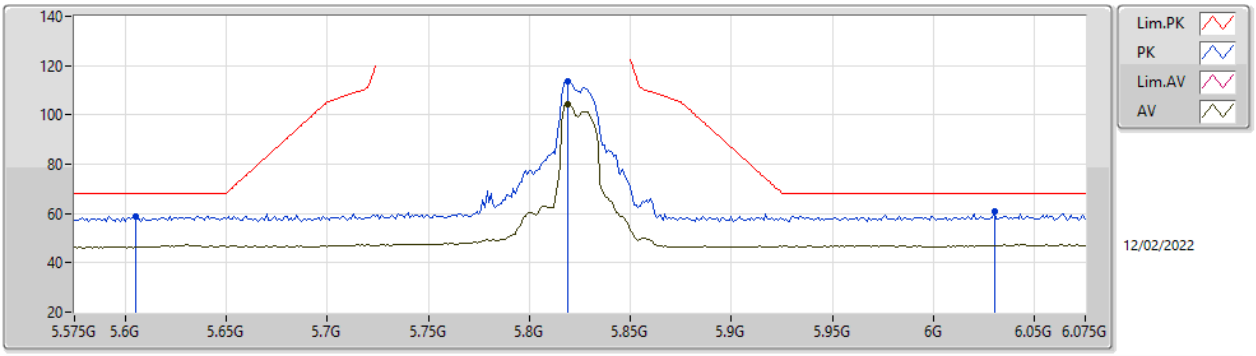


EUT X_4TX
Setting 84
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5702G	56.86	74.00	-17.14	43.65	3	Horizontal	299	2.48	-	39.30	8.70	34.79
AV	11.5701G	44.66	54.00	-9.34	31.45	3	Horizontal	299	2.48	-	39.30	8.70	34.79
PK	17.3488G	68.10	68.20	-0.10	51.27	3	Horizontal	130	1.80	-	41.85	9.57	34.59

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

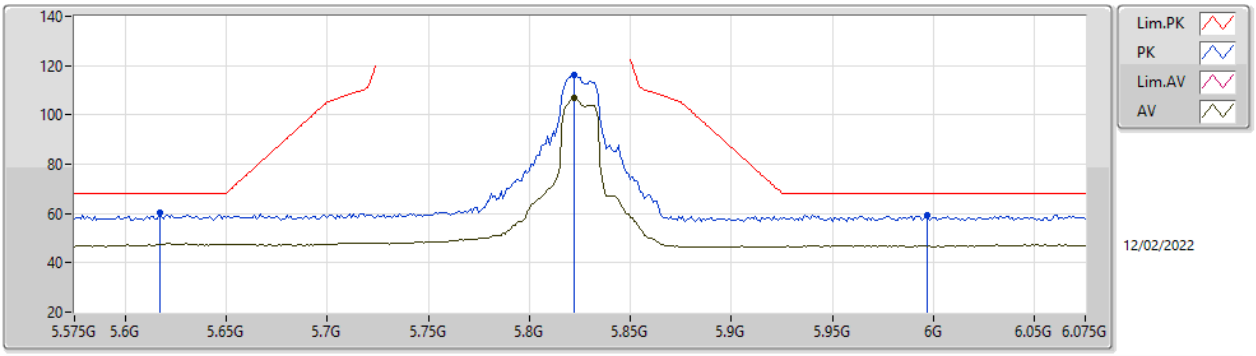


EUT X_4TX
Setting 83
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.605G	58.98	68.20	-9.22	52.87	3	Vertical	104	1.83	-	34.03	5.30	33.22
PK	5.819G	113.79	Inf	-Inf	107.18	3	Vertical	104	1.83	-	34.61	5.31	33.31
AV	5.819G	104.50	Inf	-Inf	97.89	3	Vertical	104	1.83	-	34.61	5.31	33.31
PK	6.03G	60.81	68.20	-7.39	53.34	3	Vertical	104	1.83	-	35.40	5.43	33.36

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

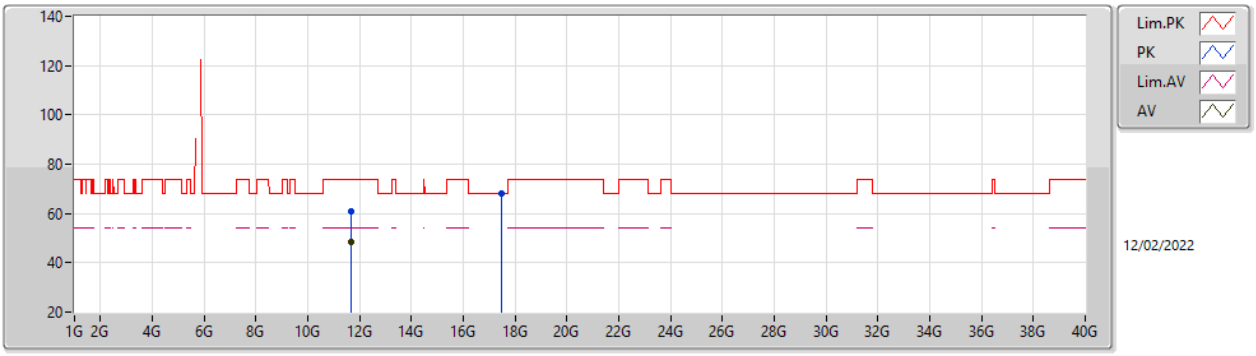


EUT X_4TX
Setting 83
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.617G	60.42	68.20	-7.78	54.25	3	Horizontal	-0	1.04	-	34.10	5.30	33.23
PK	5.822G	116.18	Inf	-Inf	109.55	3	Horizontal	-0	1.04	-	34.63	5.31	33.31
AV	5.822G	106.91	Inf	-Inf	100.28	3	Horizontal	-0	1.04	-	34.63	5.31	33.31
PK	5.997G	59.45	68.20	-8.75	52.04	3	Horizontal	-0	1.04	-	35.39	5.40	33.38

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

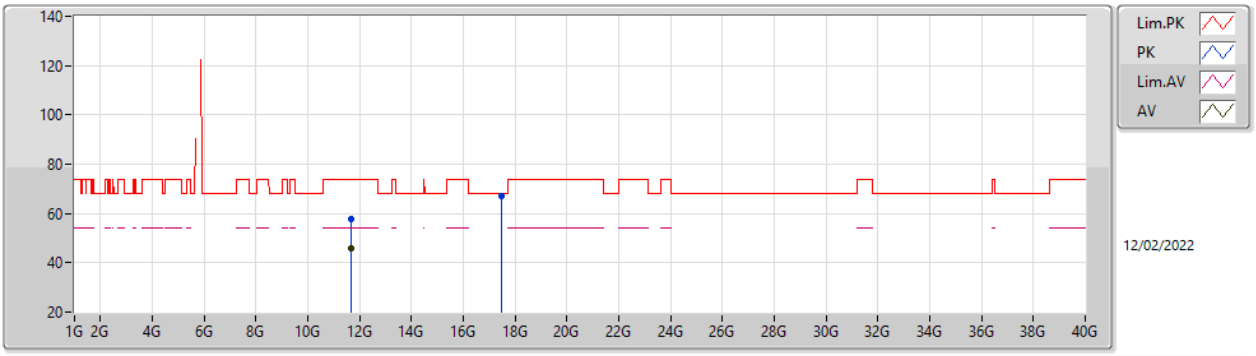


EUT X_4TX
Setting 83
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6513G	61.03	74.00	-12.97	47.84	3	Vertical	7	2.42	-	39.25	8.76	34.82
AV	11.6511G	48.19	54.00	-5.81	35.00	3	Vertical	7	2.42	-	39.25	8.76	34.82
PK	17.4776G	67.97	68.20	-0.23	50.77	3	Vertical	23	2.01	-	42.08	9.62	34.50

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

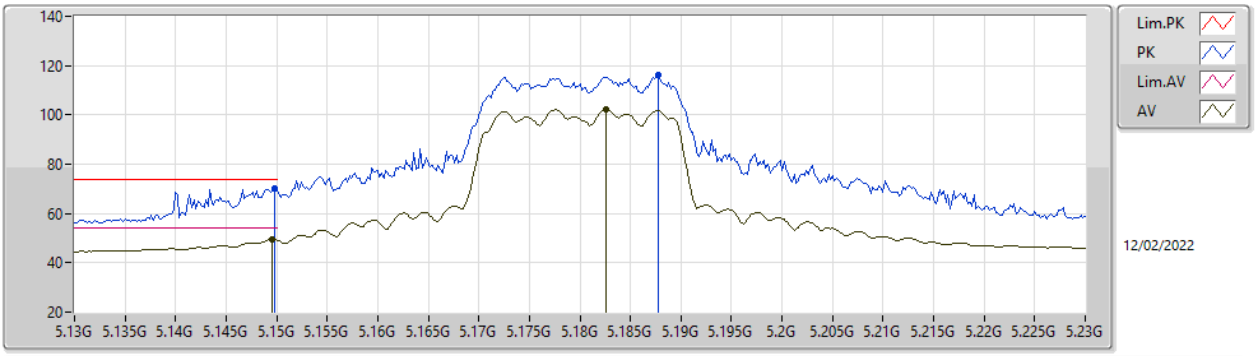


EUT X_4TX
Setting 83
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6531G	57.74	74.00	-16.26	44.55	3	Horizontal	294	3.00	-	39.25	8.76	34.82
AV	11.6502G	46.00	54.00	-8.00	32.81	3	Horizontal	294	3.00	-	39.25	8.76	34.82
PK	17.4885G	67.07	68.20	-1.13	49.85	3	Horizontal	123	1.80	-	42.09	9.62	34.49

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

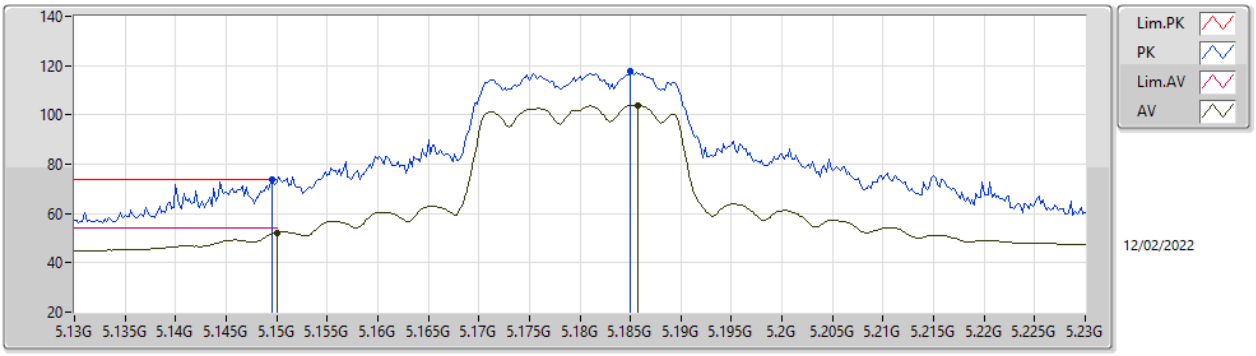


EUT X_4TX
Setting 76
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1498G	70.13	74.00	-3.87	65.35	3	Vertical	81	2.23	-	32.90	5.05	33.17
AV	5.1496G	49.63	54.00	-4.37	44.85	3	Vertical	81	2.23	-	32.90	5.05	33.17
PK	5.1878G	115.95	Inf	-Inf	111.05	3	Vertical	81	2.23	-	32.98	5.09	33.17
AV	5.1826G	102.14	Inf	-Inf	97.26	3	Vertical	81	2.23	-	32.97	5.08	33.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

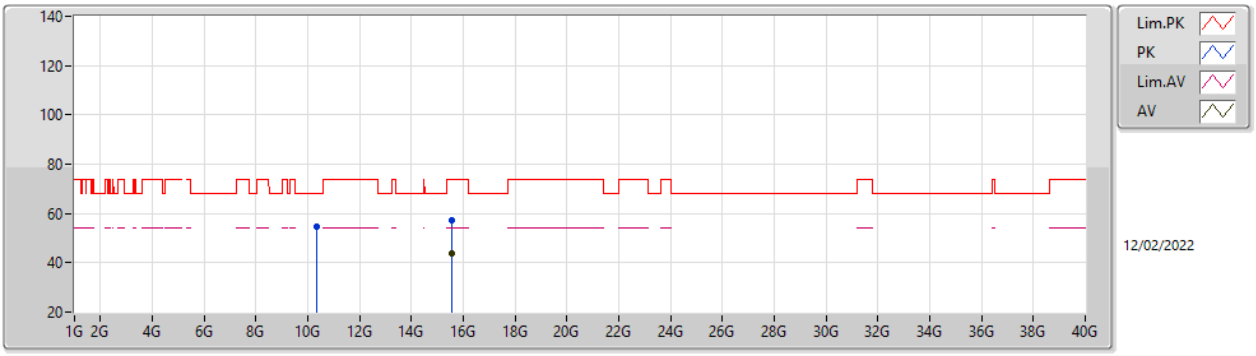


EUT X_4TX
Setting 76
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	73.69	74.00	-0.31	68.91	3	Horizontal	-0	1.14	-	32.90	5.05	33.17
AV	5.15G	52.15	54.00	-1.85	47.37	3	Horizontal	-0	1.14	-	32.90	5.05	33.17
PK	5.185G	117.61	Inf	-Inf	112.73	3	Horizontal	-0	1.14	-	32.97	5.08	33.17
AV	5.1858G	103.85	Inf	-Inf	98.96	3	Horizontal	-0	1.14	-	32.97	5.09	33.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

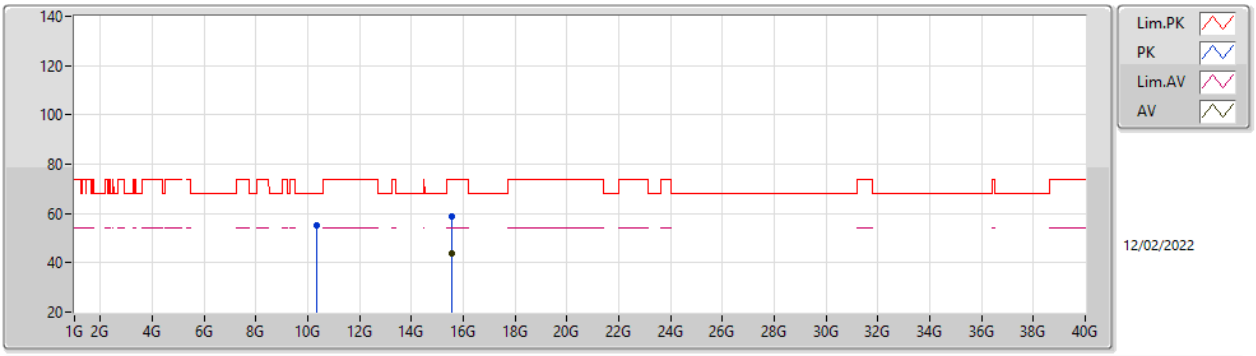


EUT X_4TX
Setting 76
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.35904G	54.68	68.20	-13.52	41.85	3	Vertical	184	1.80	-	38.96	7.85	33.98
PK	15.5582G	57.33	74.00	-16.67	44.70	3	Vertical	222	1.82	-	38.77	8.99	35.13
AV	15.5436G	43.73	54.00	-10.27	31.04	3	Vertical	222	1.82	-	38.83	8.99	35.13

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

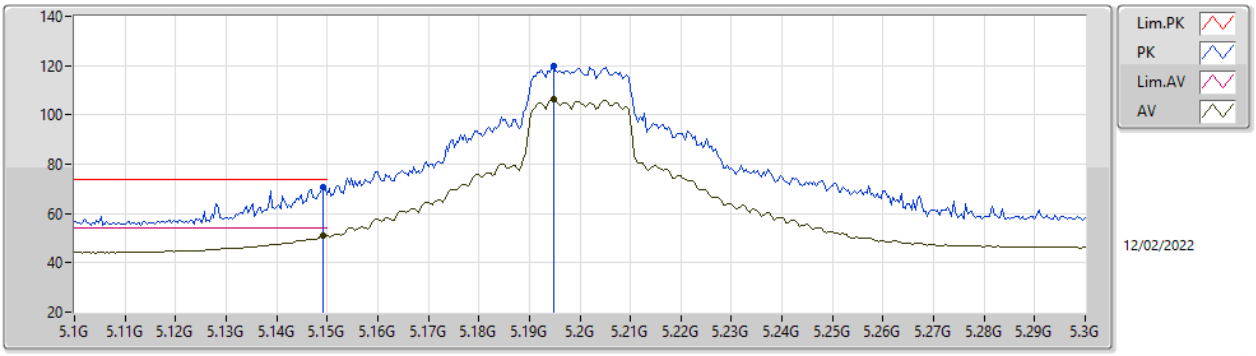


EUT X_4TX
Setting 76
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.35804G	55.37	68.20	-12.83	42.54	3	Horizontal	312	2.35	-	38.96	7.85	33.98
PK	15.5371G	58.63	74.00	-15.37	45.93	3	Horizontal	131	2.05	-	38.85	8.98	35.13
AV	15.5423G	44.02	54.00	-9.98	31.33	3	Horizontal	131	2.05	-	38.83	8.99	35.13

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

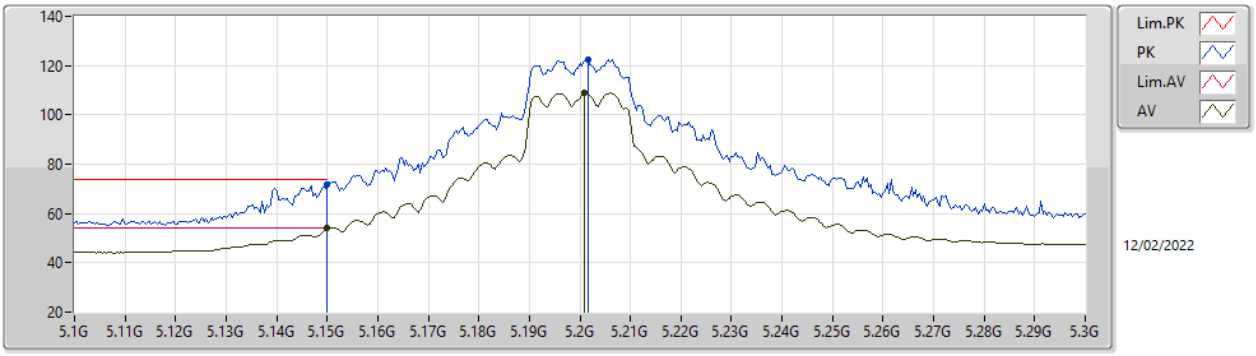


EUT X_4TX
Setting 96
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	70.65	74.00	-3.35	65.87	3	Vertical	55	2.34	-	32.90	5.05	33.17
AV	5.1492G	51.25	54.00	-2.75	46.47	3	Vertical	55	2.34	-	32.90	5.05	33.17
PK	5.1948G	119.68	Inf	-Inf	114.77	3	Vertical	55	2.34	-	32.99	5.09	33.17
AV	5.1948G	106.52	Inf	-Inf	101.61	3	Vertical	55	2.34	-	32.99	5.09	33.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

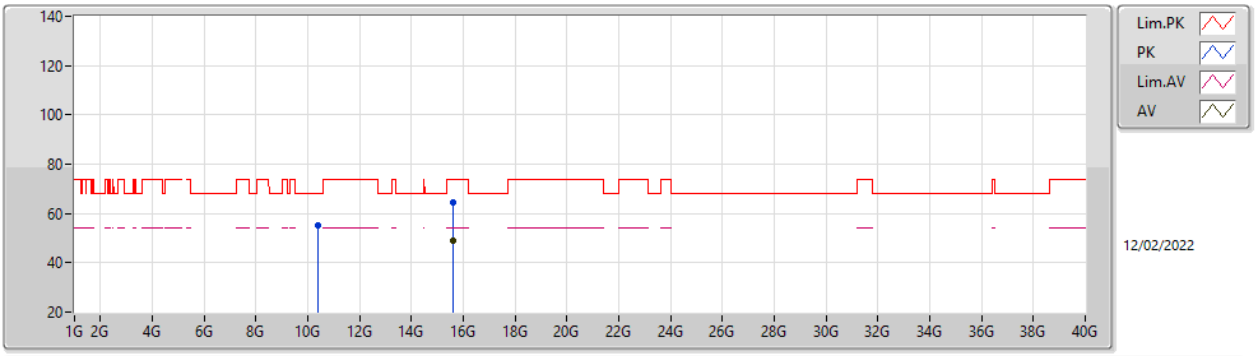


EUT X_4TX
Setting 96
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	71.92	74.00	-2.08	67.14	3	Horizontal	360	1.08	-	32.90	5.05	33.17
AV	5.15G	53.91	54.00	-0.09	49.13	3	Horizontal	360	1.08	-	32.90	5.05	33.17
PK	5.2016G	122.29	Inf	-Inf	117.36	3	Horizontal	360	1.08	-	33.00	5.10	33.17
AV	5.2008G	108.99	Inf	-Inf	104.06	3	Horizontal	360	1.08	-	33.00	5.10	33.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

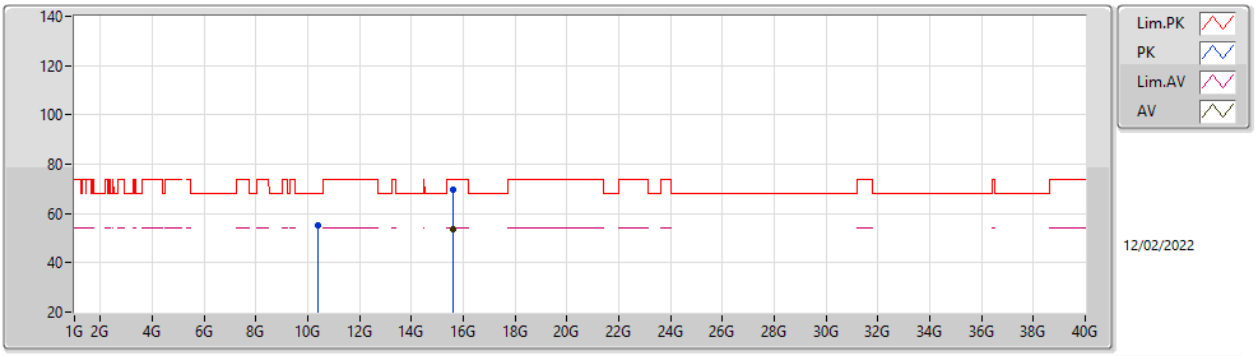


EUT X_4TX
Setting 96
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.39612G	55.28	68.20	-12.92	42.42	3	Vertical	360	2.84	-	39.00	7.88	34.02
PK	15.5978G	64.51	74.00	-9.49	52.04	3	Vertical	174	2.52	-	38.61	9.00	35.14
AV	15.5975G	48.76	54.00	-5.24	36.29	3	Vertical	174	2.52	-	38.61	9.00	35.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

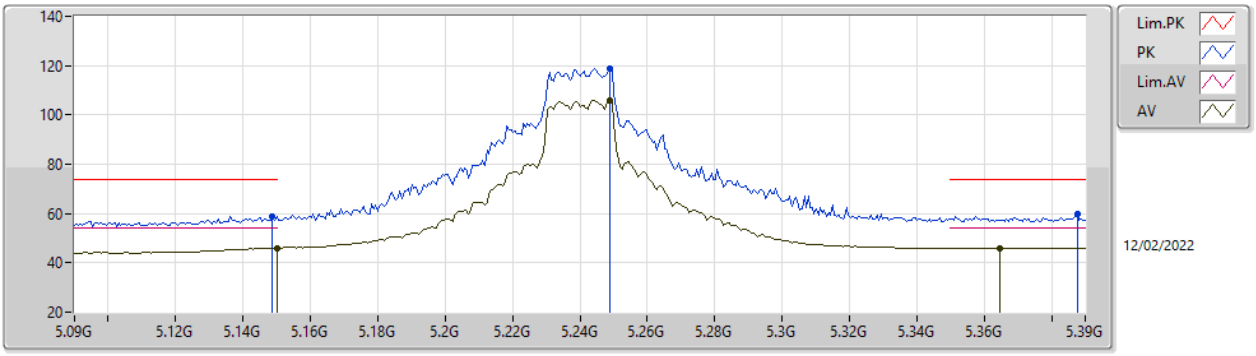


EUT X_4TX
Setting 96
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.39975G	55.11	68.20	-13.09	42.25	3	Horizontal	123	2.83	-	39.00	7.88	34.02
PK	15.6121G	69.46	74.00	-4.54	57.04	3	Horizontal	131	2.06	-	38.56	9.00	35.14
AV	15.6023G	53.61	54.00	-0.39	41.16	3	Horizontal	131	2.06	-	38.59	9.00	35.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

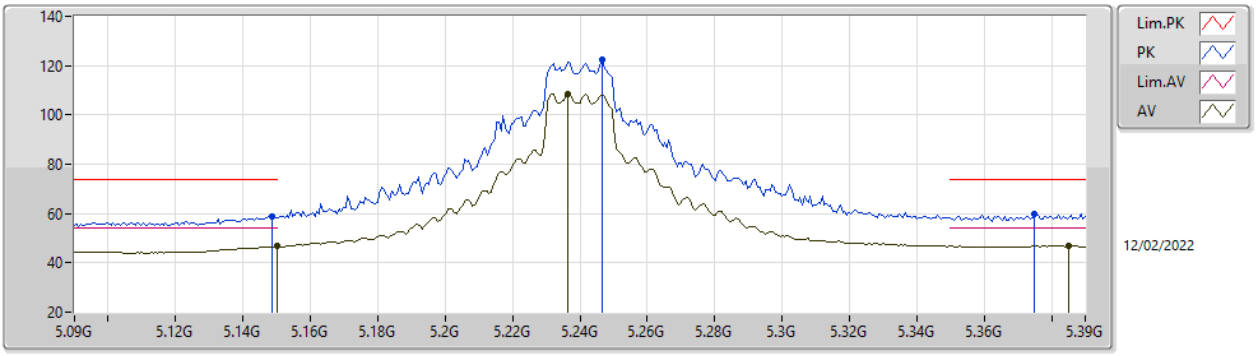


EUT X_4TX
Setting 93
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	58.70	74.00	-15.30	53.92	3	Vertical	76	1.80	-	32.90	5.05	33.17
AV	5.15G	46.09	54.00	-7.91	41.31	3	Vertical	76	1.80	-	32.90	5.05	33.17
PK	5.249G	118.79	Inf	-Inf	113.86	3	Vertical	76	1.80	-	33.00	5.10	33.17
AV	5.249G	105.90	Inf	-Inf	100.97	3	Vertical	76	1.80	-	33.00	5.10	33.17
PK	5.3876G	59.74	74.00	-14.26	54.49	3	Vertical	76	1.80	-	33.33	5.10	33.18
AV	5.3648G	45.97	54.00	-8.03	40.85	3	Vertical	76	1.80	-	33.19	5.10	33.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

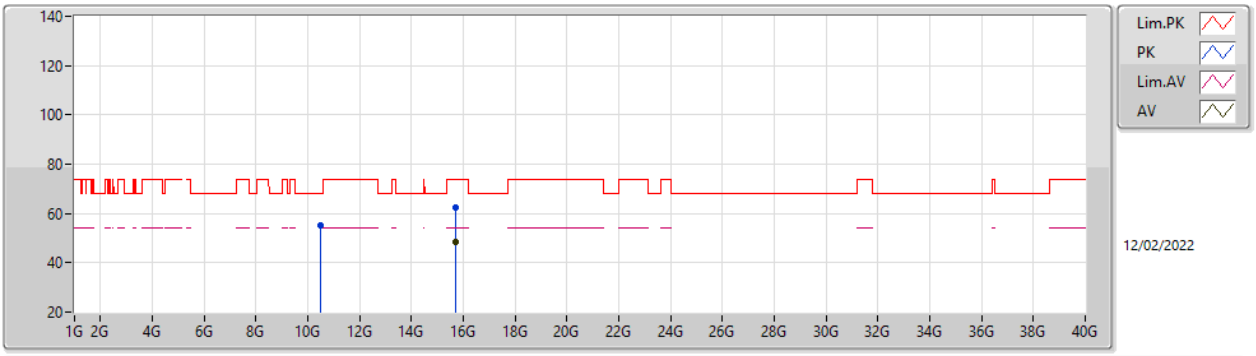


EUT X_4TX
Setting 93
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	58.91	74.00	-15.09	54.13	3	Horizontal	2	1.00	-	32.90	5.05	33.17
AV	5.15G	46.70	54.00	-7.30	41.92	3	Horizontal	2	1.00	-	32.90	5.05	33.17
PK	5.2466G	122.25	Inf	-Inf	117.32	3	Horizontal	2	1.00	-	33.00	5.10	33.17
AV	5.2364G	108.41	Inf	-Inf	103.48	3	Horizontal	2	1.00	-	33.00	5.10	33.17
PK	5.375G	59.68	74.00	-14.32	54.50	3	Horizontal	2	1.00	-	33.25	5.10	33.17
AV	5.3852G	46.88	54.00	-7.12	41.65	3	Horizontal	2	1.00	-	33.31	5.10	33.18

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

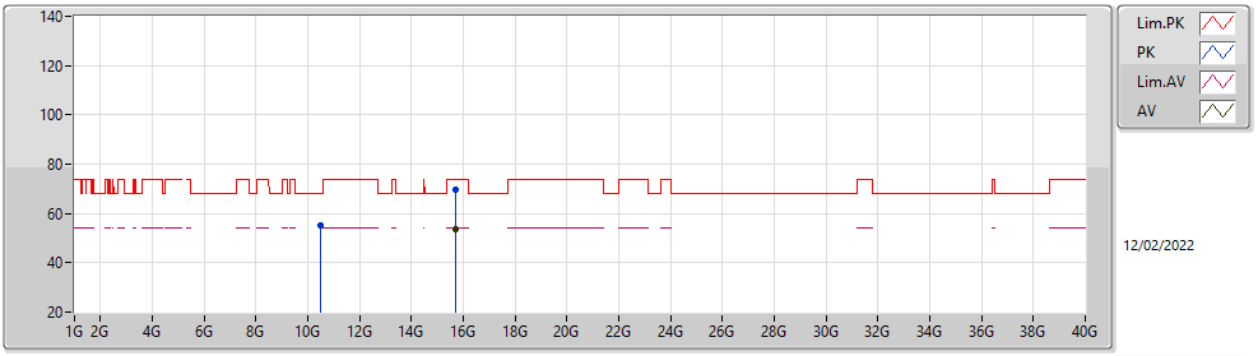


EUT X_4TX
Setting 93
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.48284G	55.20	68.20	-13.00	42.19	3	Vertical	34	1.80	-	39.17	7.94	34.10
PK	15.728G	62.57	74.00	-11.43	50.27	3	Vertical	194	2.46	-	38.41	9.03	35.14
AV	15.7226G	48.35	54.00	-5.65	36.07	3	Vertical	194	2.46	-	38.39	9.03	35.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

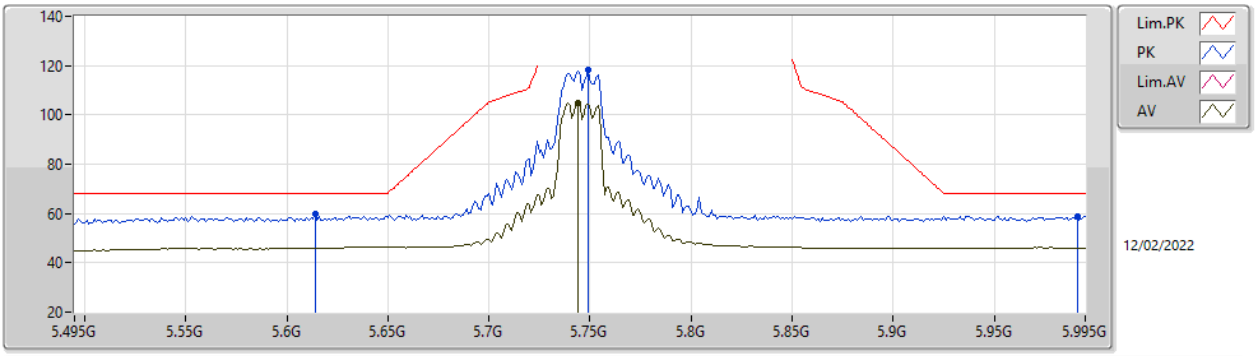


EUT X_4TX
Setting 93
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.46824G	55.35	68.20	-12.85	42.37	3	Horizontal	344	1.80	-	39.14	7.93	34.09
PK	15.7274G	69.44	74.00	-4.56	57.14	3	Horizontal	132	2.03	-	38.41	9.03	35.14
AV	15.7223G	53.76	54.00	-0.24	41.48	3	Horizontal	132	2.03	-	38.39	9.03	35.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

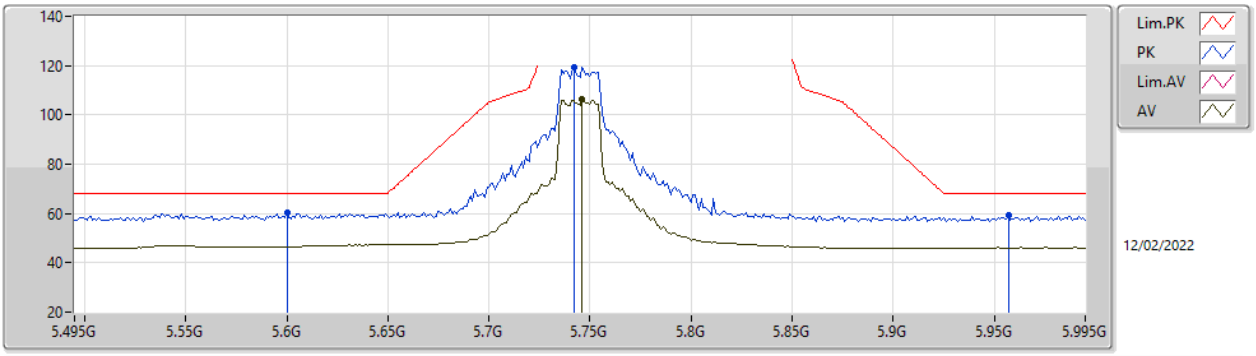


EUT X_4TX
Setting 84
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.614G	59.84	68.20	-8.36	53.69	3	Vertical	88	1.00	-	34.08	5.30	33.23
PK	5.749G	118.21	Inf	-Inf	111.79	3	Vertical	88	1.00	-	34.40	5.30	33.28
AV	5.744G	104.95	Inf	-Inf	98.55	3	Vertical	88	1.00	-	34.38	5.30	33.28
PK	5.991G	59.00	68.20	-9.20	51.62	3	Vertical	88	1.00	-	35.36	5.40	33.38

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

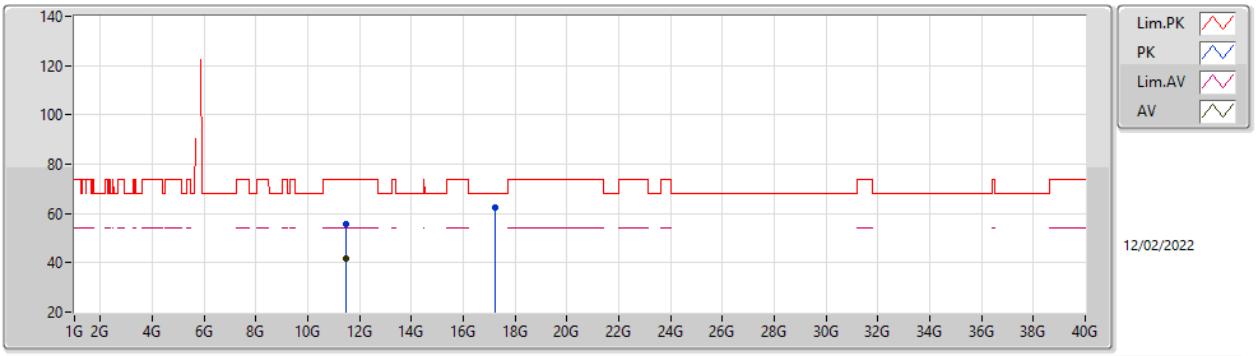


EUT X_4TX
Setting 84
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.6G	60.31	68.20	-7.89	54.23	3	Horizontal	17	1.00	-	34.00	5.30	33.22
PK	5.742G	119.16	Inf	-Inf	112.77	3	Horizontal	17	1.00	-	34.37	5.30	33.28
AV	5.746G	106.25	Inf	-Inf	99.85	3	Horizontal	17	1.00	-	34.38	5.30	33.28
PK	5.957G	59.19	68.20	-9.01	51.94	3	Horizontal	17	1.00	-	35.23	5.38	33.36

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

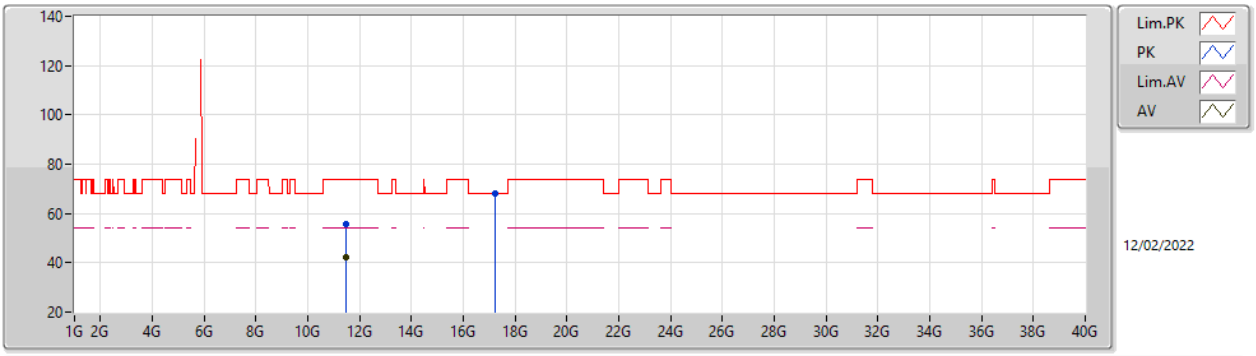


EUT X_4TX
Setting 84
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.483G	55.45	74.00	-18.55	42.24	3	Vertical	43	2.65	-	39.32	8.64	34.75
AV	11.4946G	41.87	54.00	-12.13	28.67	3	Vertical	43	2.65	-	39.31	8.65	34.76
PK	17.2262G	62.56	68.20	-5.64	46.38	3	Vertical	156	1.80	-	41.33	9.53	34.68

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

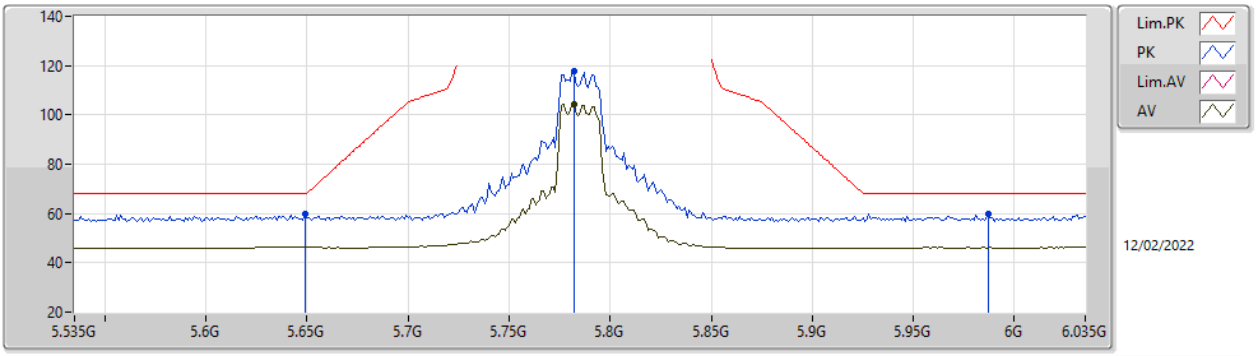


EUT X_4TX
Setting 84
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4939G	55.82	74.00	-18.18	42.62	3	Horizontal	140	1.86	-	39.31	8.65	34.76
AV	11.4891G	42.48	54.00	-11.52	29.28	3	Horizontal	140	1.86	-	39.31	8.64	34.75
PK	17.2264G	68.01	68.20	-0.19	51.83	3	Horizontal	128	1.90	-	41.33	9.53	34.68

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

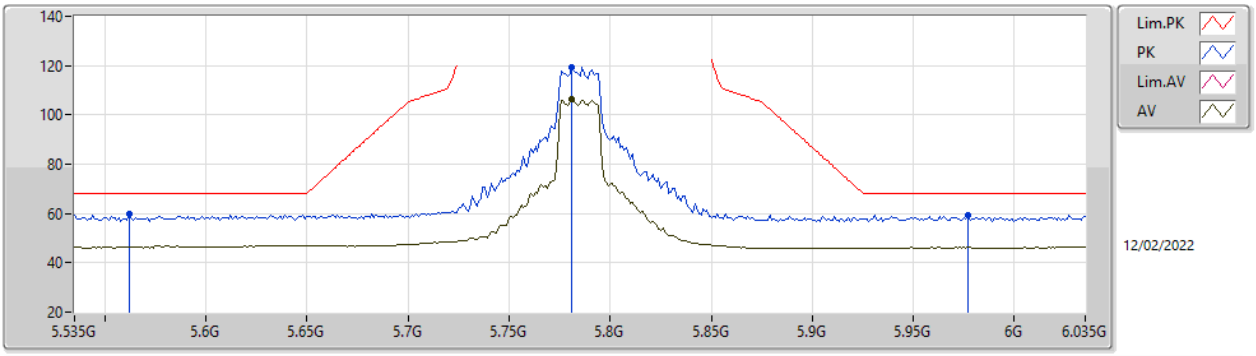


EUT X_4TX
Setting 84
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.649G	59.78	68.20	-8.42	53.43	3	Vertical	88	1.86	-	34.29	5.30	33.24
PK	5.782G	117.71	Inf	-Inf	111.24	3	Vertical	88	1.86	-	34.46	5.30	33.29
AV	5.782G	104.56	Inf	-Inf	98.09	3	Vertical	88	1.86	-	34.46	5.30	33.29
PK	5.987G	59.63	68.20	-8.57	52.26	3	Vertical	88	1.86	-	35.35	5.39	33.37

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

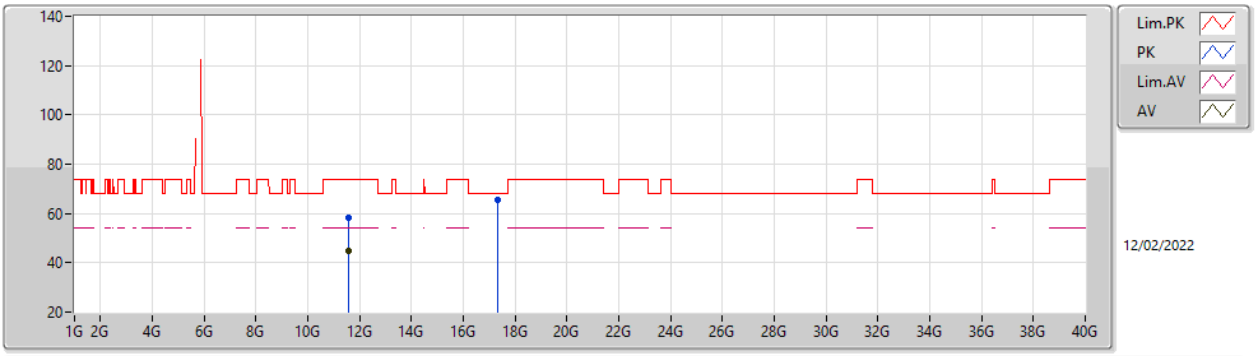


EUT X_4TX
Setting 84
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.562G	59.67	68.20	-8.53	53.53	3	Horizontal	20	1.00	-	34.08	5.26	33.20
PK	5.781G	119.47	Inf	-Inf	113.00	3	Horizontal	20	1.00	-	34.46	5.30	33.29
AV	5.781G	106.48	Inf	-Inf	100.01	3	Horizontal	20	1.00	-	34.46	5.30	33.29
PK	5.977G	59.15	68.20	-9.05	51.82	3	Horizontal	20	1.00	-	35.31	5.39	33.37

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

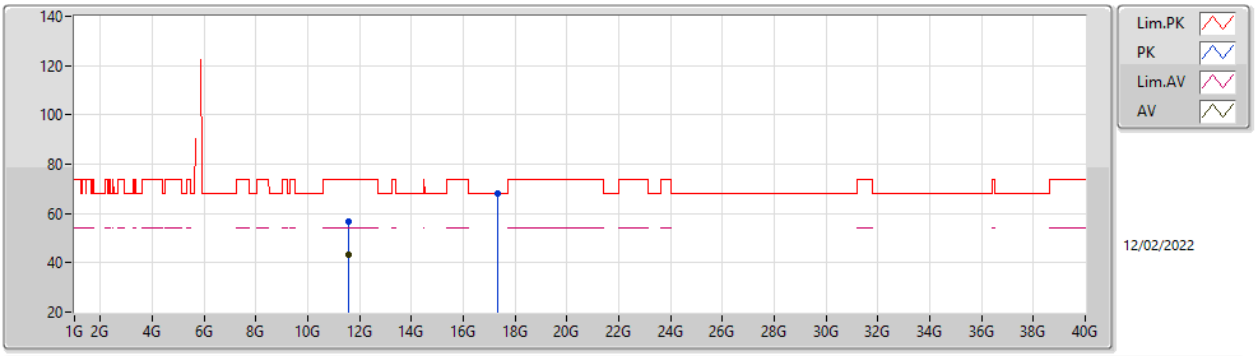


EUT X_4TX
Setting 84
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57322G	58.20	74.00	-15.80	44.99	3	Vertical	11	2.71	-	39.30	8.70	34.79
AV	11.57018G	45.05	54.00	-8.95	31.84	3	Vertical	11	2.71	-	39.30	8.70	34.79
PK	17.3477G	65.62	68.20	-2.58	48.80	3	Vertical	22	2.00	-	41.84	9.57	34.59

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

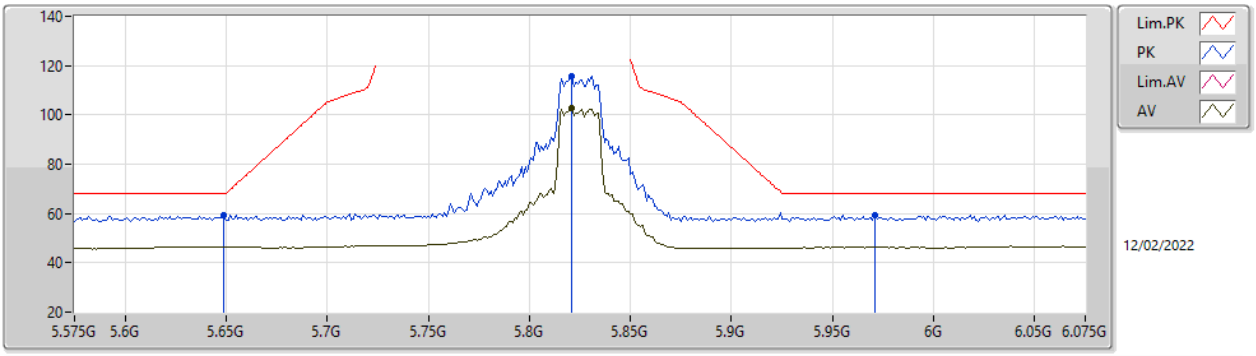


EUT X_4TX
Setting 84
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.56922G	56.77	74.00	-17.23	43.56	3	Horizontal	302	2.13	-	39.30	8.70	34.79
AV	11.56998G	43.27	54.00	-10.73	30.06	3	Horizontal	302	2.13	-	39.30	8.70	34.79
PK	17.3461G	68.16	68.20	-0.04	51.34	3	Horizontal	128	1.80	-	41.84	9.57	34.59

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

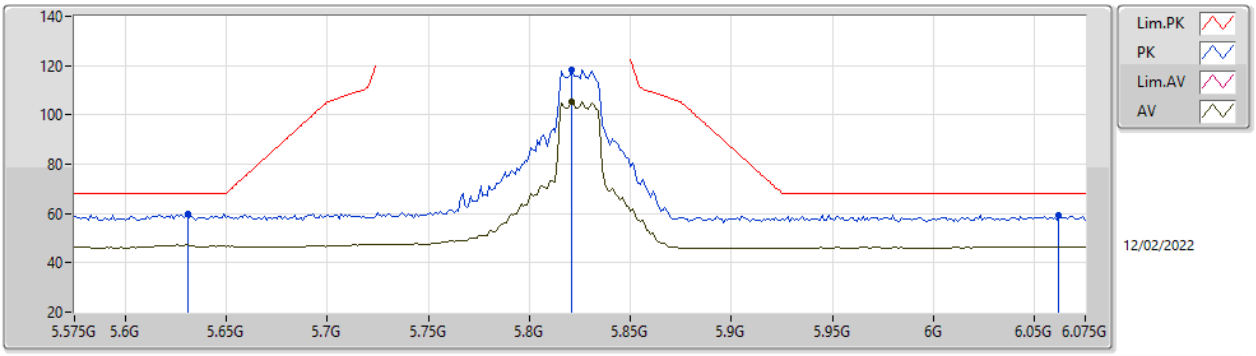


EUT X_4TX
Setting 85
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.649G	59.21	68.20	-8.99	52.86	3	Vertical	88	2.26	-	34.29	5.30	33.24
PK	5.821G	115.83	Inf	-Inf	109.20	3	Vertical	88	2.26	-	34.63	5.31	33.31
AV	5.821G	102.82	Inf	-Inf	96.19	3	Vertical	88	2.26	-	34.63	5.31	33.31
PK	5.971G	59.51	68.20	-8.69	52.21	3	Vertical	88	2.26	-	35.28	5.39	33.37

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

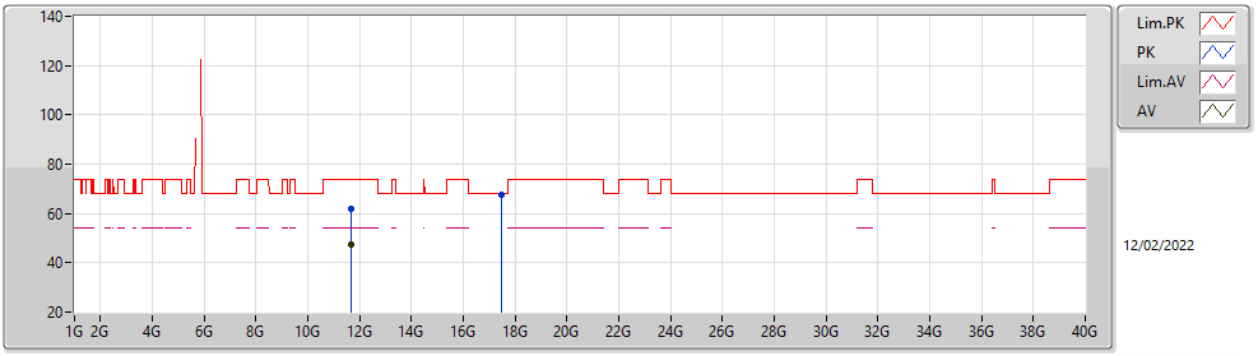


EUT X_4TX
Setting 85
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.631G	59.71	68.20	-8.49	53.45	3	Horizontal	19	1.13	-	34.19	5.30	33.23
PK	5.821G	118.41	Inf	-Inf	111.78	3	Horizontal	19	1.13	-	34.63	5.31	33.31
AV	5.821G	105.33	Inf	-Inf	98.70	3	Horizontal	19	1.13	-	34.63	5.31	33.31
PK	6.062G	59.45	68.20	-8.75	51.91	3	Horizontal	19	1.13	-	35.42	5.46	33.34

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

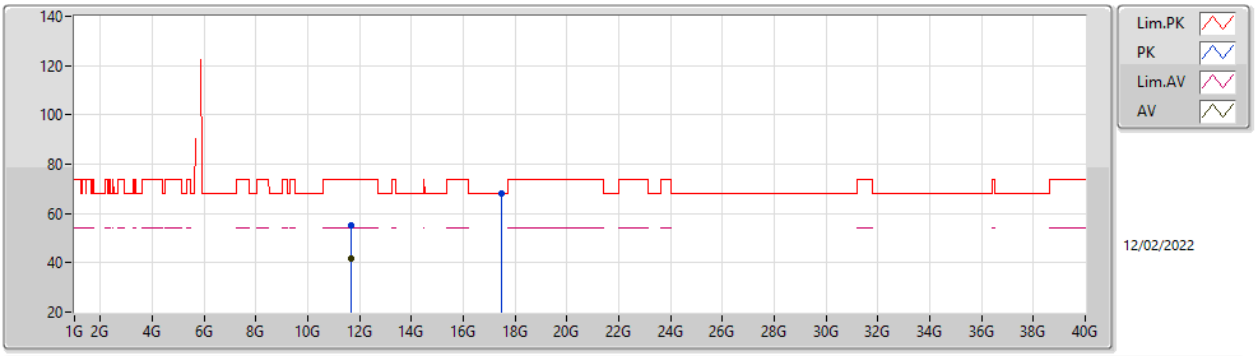


EUT X_4TX
Setting 85
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.65232G	61.85	74.00	-12.15	48.66	3	Vertical	10	2.30	-	39.25	8.76	34.82
AV	11.6502G	47.17	54.00	-6.83	33.98	3	Vertical	10	2.30	-	39.25	8.76	34.82
PK	17.4819G	67.47	68.20	-0.73	50.26	3	Vertical	36	2.04	-	42.08	9.62	34.49

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

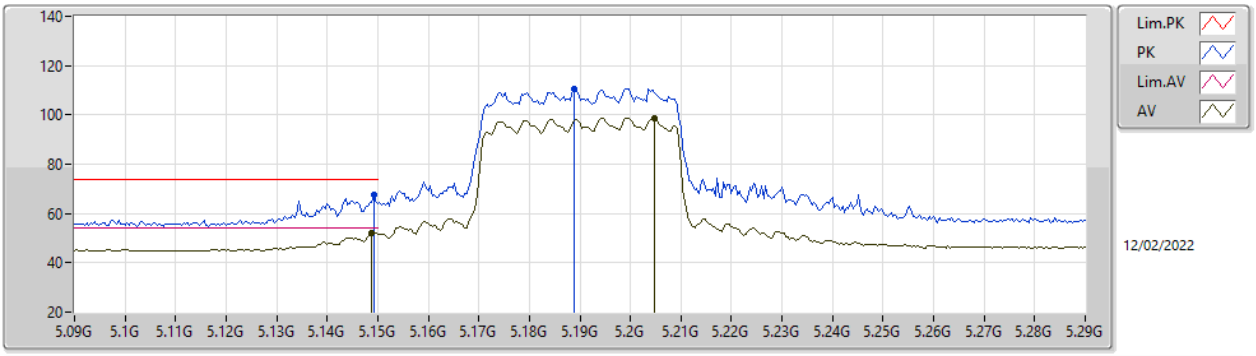


EUT X_4TX
Setting 85
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.65402G	55.12	74.00	-18.88	41.93	3	Horizontal	145	2.75	-	39.25	8.76	34.82
AV	11.65044G	41.87	54.00	-12.13	28.68	3	Horizontal	145	2.75	-	39.25	8.76	34.82
PK	17.4664G	68.14	68.20	-0.06	50.96	3	Horizontal	230	1.88	-	42.07	9.61	34.50

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

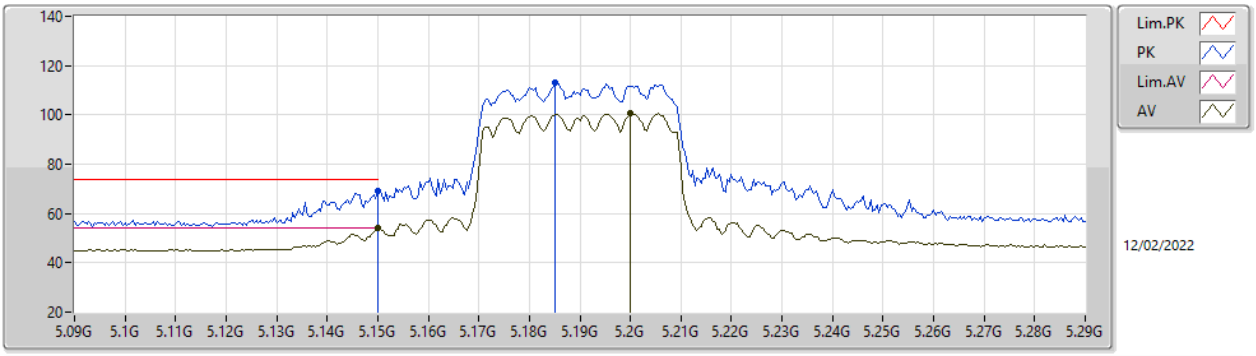


EUT X_4TX
Setting 69
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	67.53	74.00	-6.47	62.75	3	Vertical	73	1.61	-	32.90	5.05	33.17
AV	5.1488G	52.20	54.00	-1.80	47.42	3	Vertical	73	1.61	-	32.90	5.05	33.17
PK	5.1888G	110.51	Inf	-Inf	105.61	3	Vertical	73	1.61	-	32.98	5.09	33.17
AV	5.2048G	98.70	Inf	-Inf	93.77	3	Vertical	73	1.61	-	33.00	5.10	33.17

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

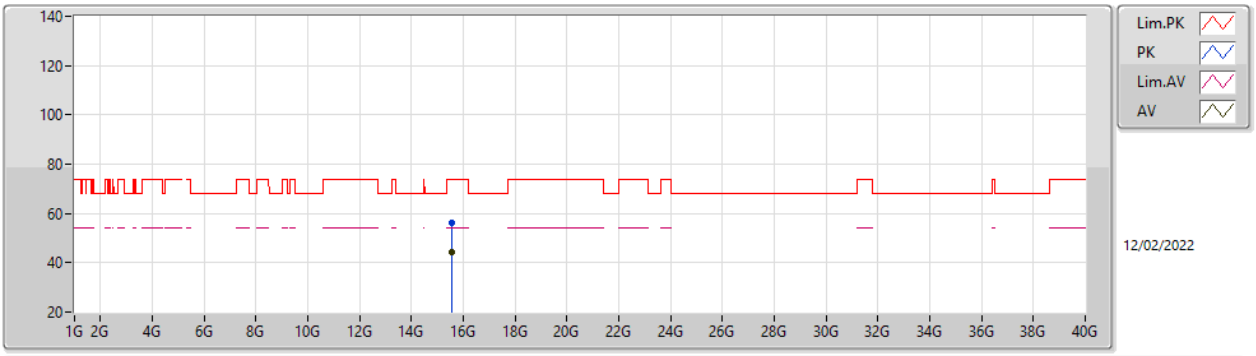


EUT X_4TX
Setting 69
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	69.08	74.00	-4.92	64.30	3	Horizontal	358	1.20	-	32.90	5.05	33.17
AV	5.15G	53.89	54.00	-0.11	49.11	3	Horizontal	358	1.20	-	32.90	5.05	33.17
PK	5.1852G	113.29	Inf	-Inf	108.40	3	Horizontal	358	1.20	-	32.97	5.09	33.17
AV	5.2G	100.71	Inf	-Inf	95.78	3	Horizontal	358	1.20	-	33.00	5.10	33.17

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

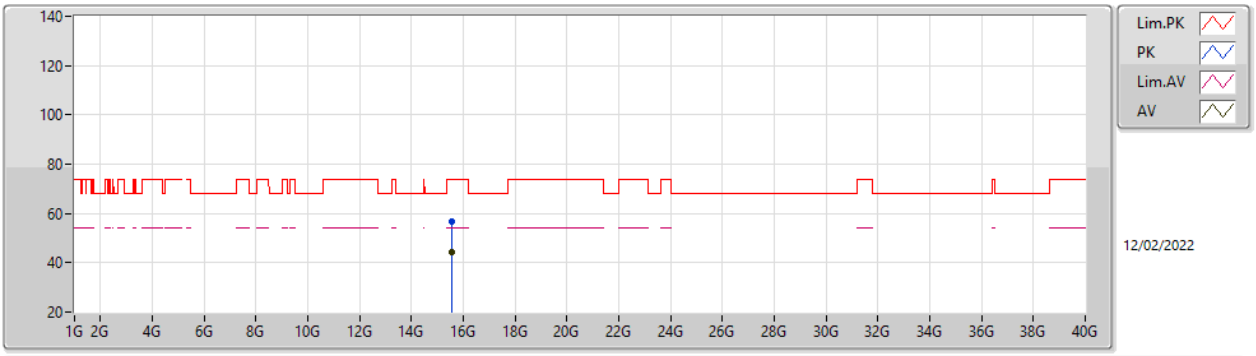


EUT X_4TX
Setting 69
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.56642G	56.39	74.00	-17.61	43.80	3	Vertical	16	2.66	-	38.73	8.99	35.13
AV	15.56875G	44.28	54.00	-9.72	31.70	3	Vertical	16	2.66	-	38.72	8.99	35.13

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

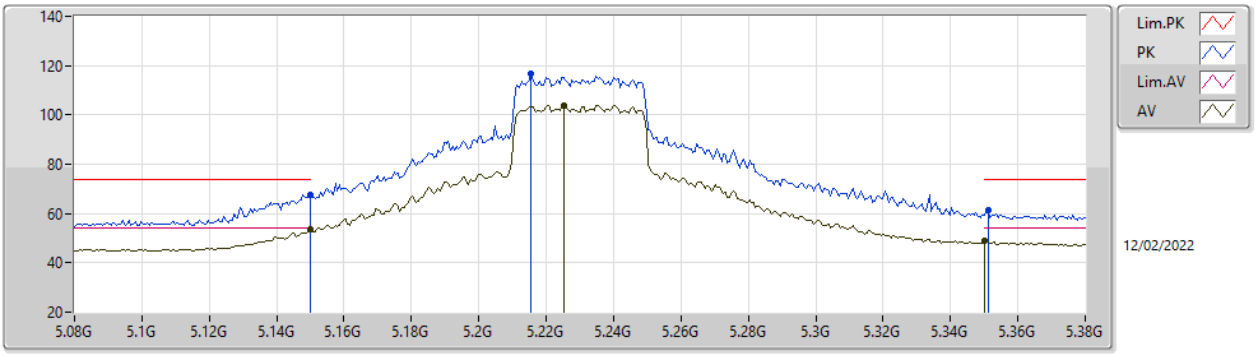


EUT X_4TX
Setting 69
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.57019G	56.55	74.00	-17.45	43.97	3	Horizontal	210	1.51	-	38.72	8.99	35.13
AV	15.56722G	44.17	54.00	-9.83	31.58	3	Horizontal	210	1.51	-	38.73	8.99	35.13

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

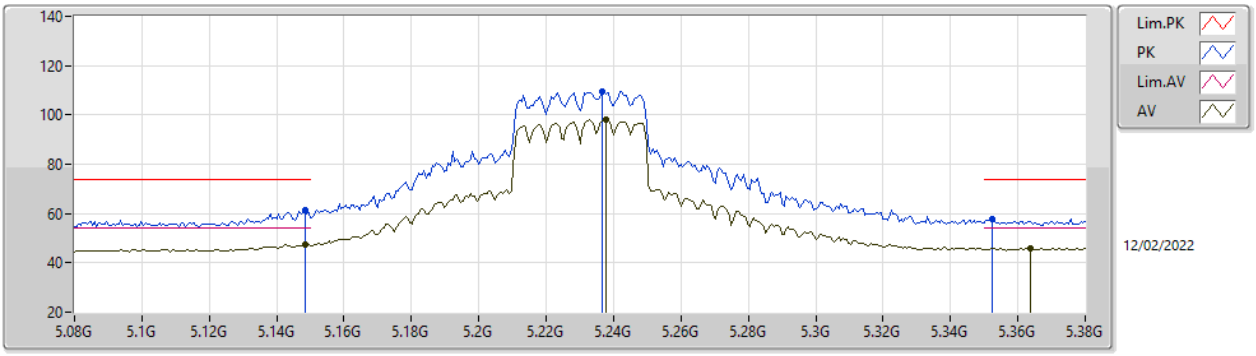


EUT X_4TX
Setting 88
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	67.65	74.00	-6.35	62.87	3	Vertical	64	2.06	-	32.90	5.05	33.17
AV	5.15G	53.86	54.00	-0.14	49.08	3	Vertical	64	2.06	-	32.90	5.05	33.17
PK	5.2156G	116.97	Inf	-Inf	112.04	3	Vertical	64	2.06	-	33.00	5.10	33.17
AV	5.2252G	104.03	Inf	-Inf	99.10	3	Vertical	64	2.06	-	33.00	5.10	33.17
PK	5.3512G	61.16	74.00	-12.84	56.12	3	Vertical	64	2.06	-	33.11	5.10	33.17
AV	5.35G	48.71	54.00	-5.29	43.68	3	Vertical	64	2.06	-	33.10	5.10	33.17

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

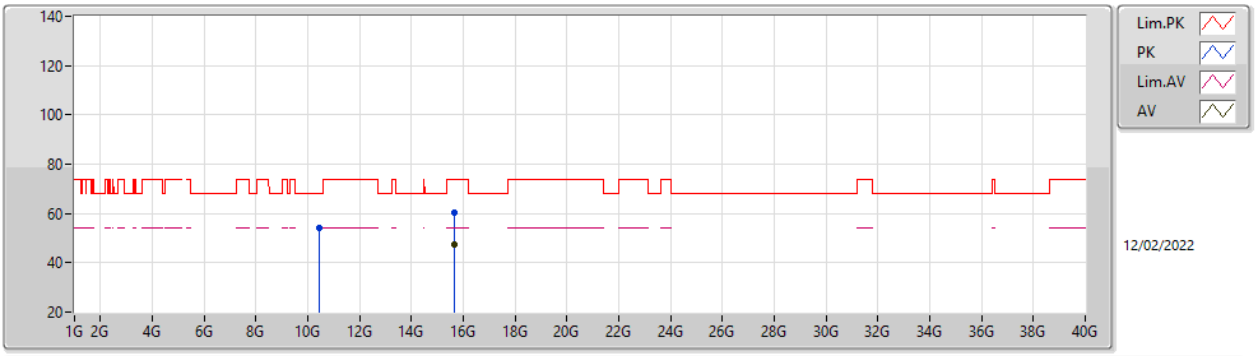


EUT X_4TX
Setting 88
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1484G	61.27	74.00	-12.73	56.48	3	Horizontal	167	2.41	-	32.91	5.05	33.17
AV	5.1484G	47.39	54.00	-6.61	42.60	3	Horizontal	167	2.41	-	32.91	5.05	33.17
PK	5.2366G	109.43	Inf	-Inf	104.50	3	Horizontal	167	2.41	-	33.00	5.10	33.17
AV	5.2378G	97.90	Inf	-Inf	92.97	3	Horizontal	167	2.41	-	33.00	5.10	33.17
PK	5.3524G	57.90	74.00	-16.10	52.86	3	Horizontal	167	2.41	-	33.11	5.10	33.17
AV	5.3638G	46.09	54.00	-7.91	40.98	3	Horizontal	167	2.41	-	33.18	5.10	33.17

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

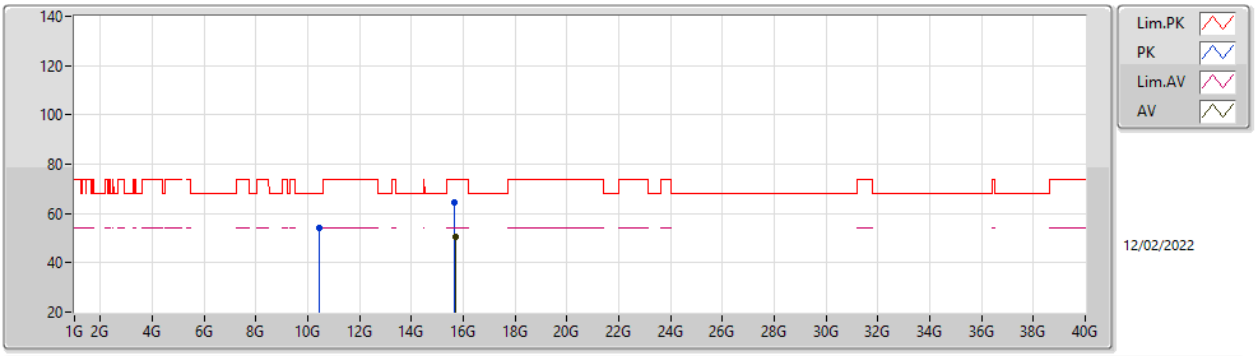


EUT X_4TX
Setting 88
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.45704G	54.28	68.20	-13.92	41.33	3	Vertical	142	2.11	-	39.11	7.92	34.08
PK	15.6767G	60.22	74.00	-13.78	47.97	3	Vertical	192	2.45	-	38.37	9.02	35.14
AV	15.6776G	47.51	54.00	-6.49	35.26	3	Vertical	192	2.45	-	38.37	9.02	35.14

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

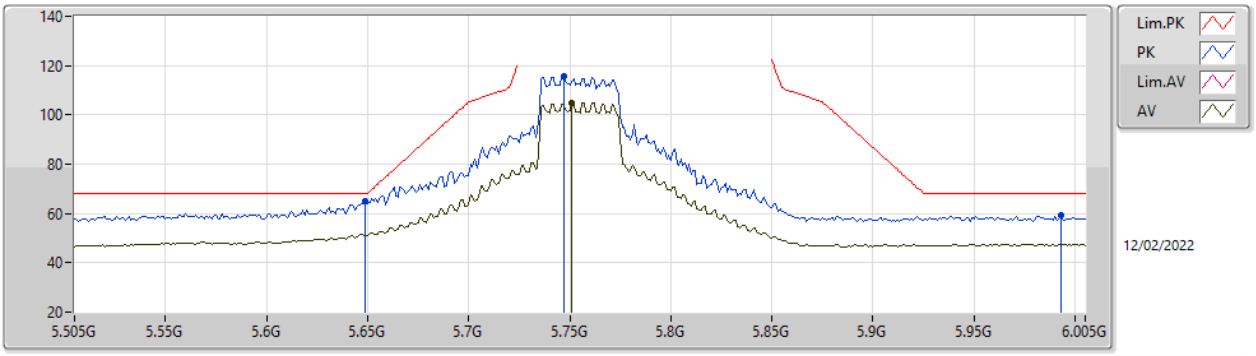


EUT X_4TX
Setting 88
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.46173G	54.01	68.20	-14.19	41.05	3	Horizontal	337	1.74	-	39.12	7.92	34.08
PK	15.67736G	64.35	74.00	-9.65	52.10	3	Horizontal	132	2.03	-	38.37	9.02	35.14
AV	15.68216G	50.58	54.00	-3.42	38.35	3	Horizontal	132	2.03	-	38.35	9.02	35.14

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

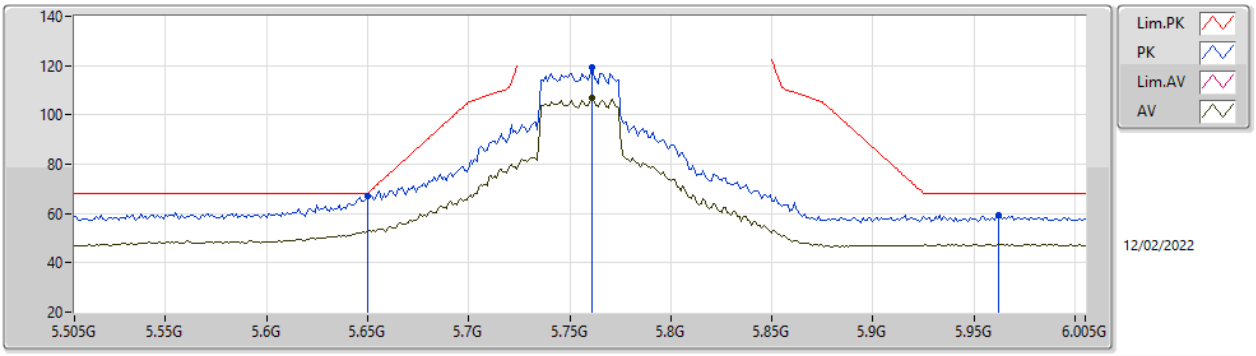


EUT X_4TX
Setting 92
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.649G	64.82	68.20	-3.38	58.47	3	Vertical	87	1.99	-	34.29	5.30	33.24
PK	5.747G	115.46	Inf	-Inf	109.05	3	Vertical	87	1.99	-	34.39	5.30	33.28
AV	5.751G	104.72	Inf	-Inf	98.30	3	Vertical	87	1.99	-	34.40	5.30	33.28
PK	5.993G	59.07	68.20	-9.13	51.68	3	Vertical	87	1.99	-	35.37	5.40	33.38

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

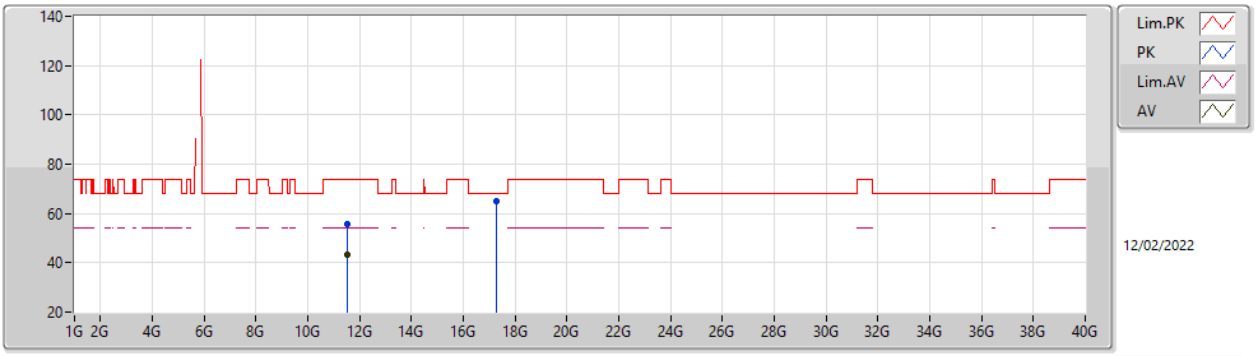


EUT X_4TX
Setting 92
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.65G	66.94	68.20	-1.26	60.58	3	Horizontal	21	1.10	-	34.30	5.30	33.24
PK	5.761G	119.12	Inf	-Inf	112.68	3	Horizontal	21	1.10	-	34.42	5.30	33.28
AV	5.761G	106.66	Inf	-Inf	100.22	3	Horizontal	21	1.10	-	34.42	5.30	33.28
PK	5.962G	59.06	68.20	-9.14	51.79	3	Horizontal	21	1.10	-	35.25	5.38	33.36

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

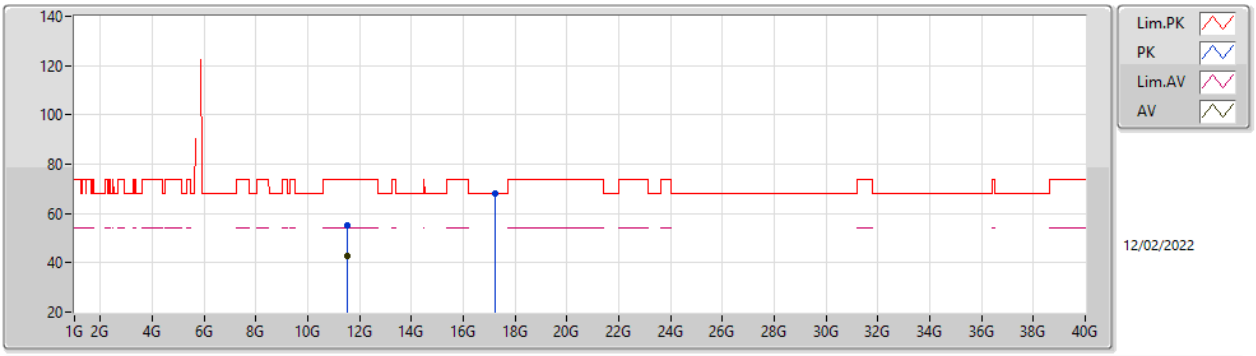


EUT X_4TX
Setting 92
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50903G	55.44	74.00	-18.56	42.24	3	Vertical	117	2.65	-	39.30	8.66	34.76
AV	11.51221G	43.05	54.00	-10.95	29.85	3	Vertical	117	2.65	-	39.30	8.66	34.76
PK	17.26086G	64.78	68.20	-3.42	48.40	3	Vertical	32	2.01	-	41.50	9.54	34.66

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

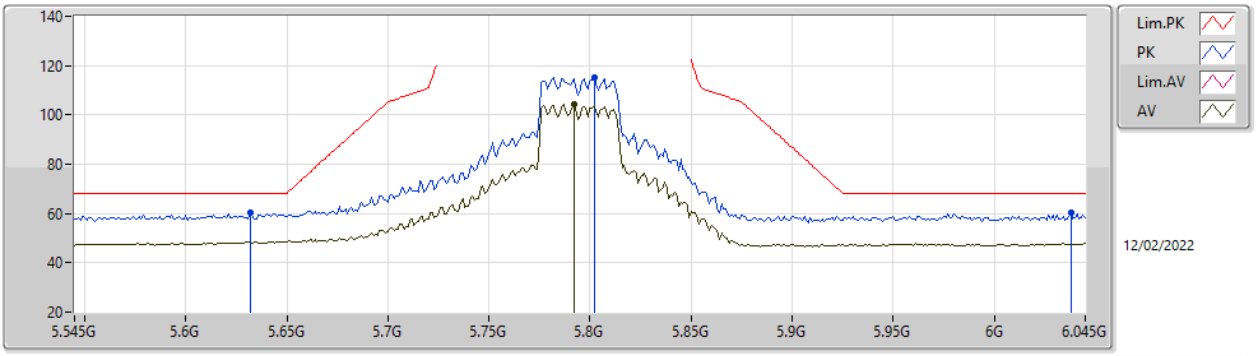


EUT X_4TX
Setting 92
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50854G	54.92	74.00	-19.08	41.72	3	Horizontal	325	1.33	-	39.30	8.66	34.76
AV	11.51398G	42.96	54.00	-11.04	29.77	3	Horizontal	325	1.33	-	39.30	8.66	34.77
PK	17.25204G	68.02	68.20	-0.18	51.68	3	Horizontal	130	1.88	-	41.46	9.54	34.66

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

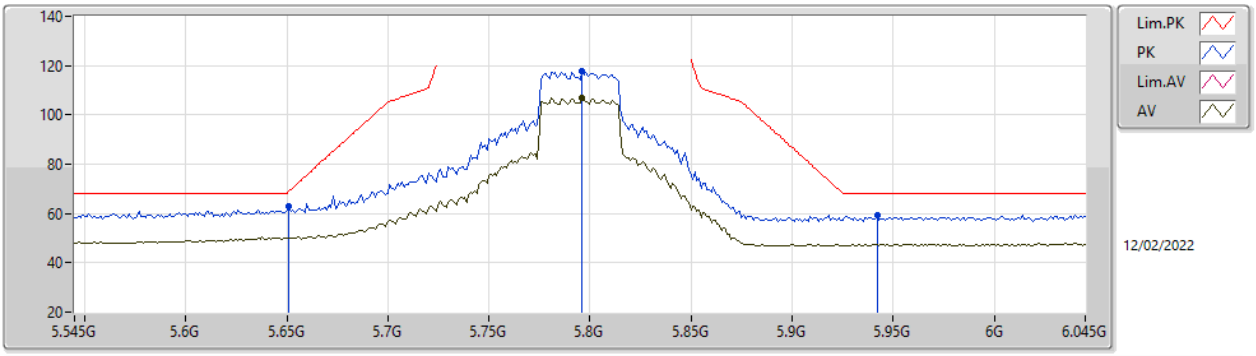


EUT X_4TX
Setting 93
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.632G	60.19	68.20	-8.01	53.93	3	Vertical	88	1.77	-	34.19	5.30	33.23
PK	5.802G	115.26	Inf	-Inf	108.75	3	Vertical	88	1.77	-	34.51	5.30	33.30
AV	5.792G	104.14	Inf	-Inf	97.66	3	Vertical	88	1.77	-	34.48	5.30	33.30
PK	6.038G	60.44	68.20	-7.76	52.95	3	Vertical	88	1.77	-	35.40	5.44	33.35

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

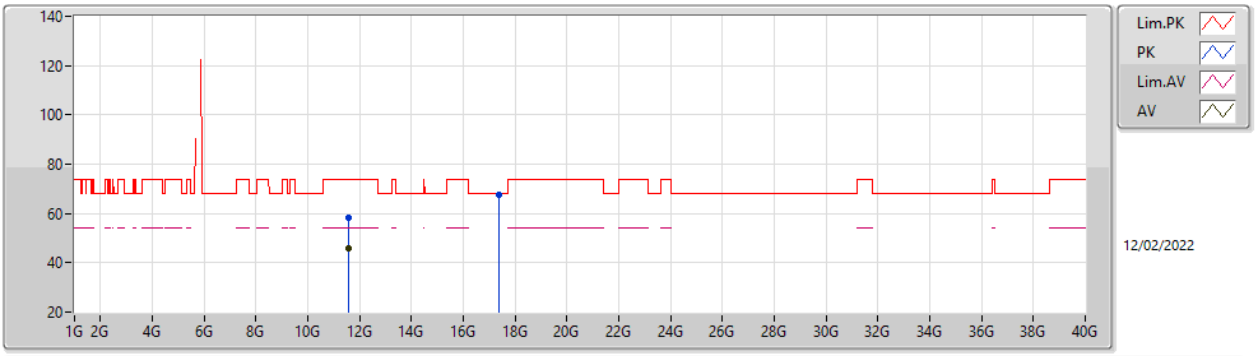


EUT X_4TX
Setting 93
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.651G	62.92	68.94	-6.02	56.56	3	Horizontal	20	1.01	-	34.30	5.30	33.24
PK	5.796G	117.73	Inf	-Inf	111.24	3	Horizontal	20	1.01	-	34.49	5.30	33.30
AV	5.796G	106.74	Inf	-Inf	100.25	3	Horizontal	20	1.01	-	34.49	5.30	33.30
PK	5.942G	59.42	68.20	-8.78	52.26	3	Horizontal	20	1.01	-	35.15	5.37	33.36

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

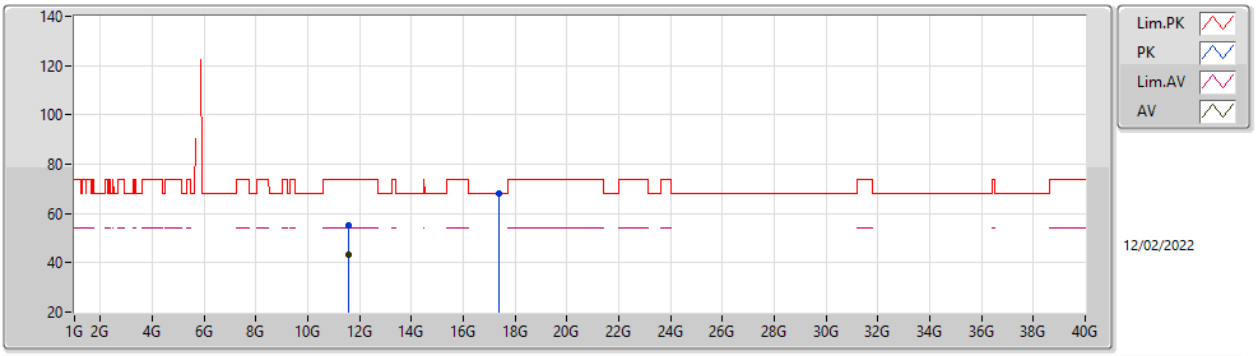


EUT X_4TX
Setting 93
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5903G	58.09	74.00	-15.91	44.87	3	Vertical	11	2.84	-	39.30	8.71	34.79
AV	11.5901G	45.80	54.00	-8.20	32.58	3	Vertical	11	2.84	-	39.30	8.71	34.79
PK	17.38044G	67.35	68.20	-0.85	50.40	3	Vertical	20	2.01	-	41.94	9.58	34.57

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

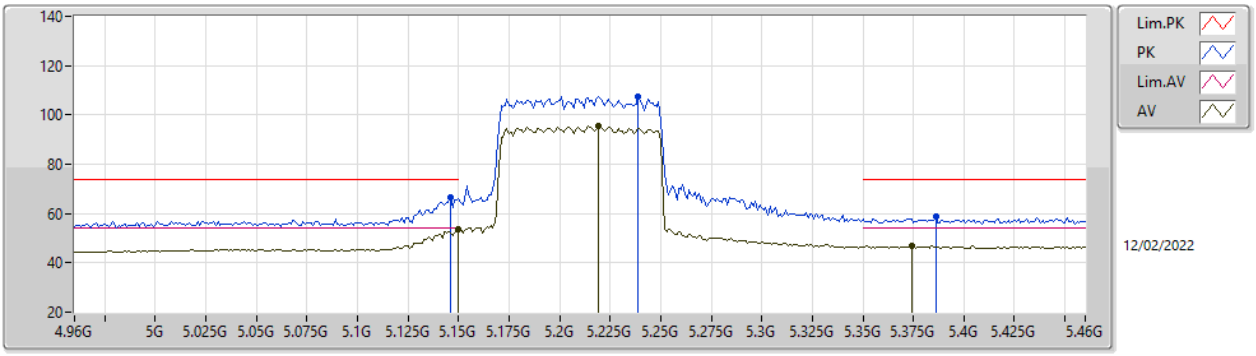


EUT X_4TX
Setting 93
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.58818G	55.40	74.00	-18.60	42.18	3	Horizontal	6	1.23	-	39.30	8.71	34.79
AV	11.59284G	43.22	54.00	-10.78	30.01	3	Horizontal	6	1.23	-	39.30	8.71	34.80
PK	17.38116G	67.97	68.20	-0.23	51.02	3	Horizontal	129	1.80	-	41.94	9.58	34.57

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

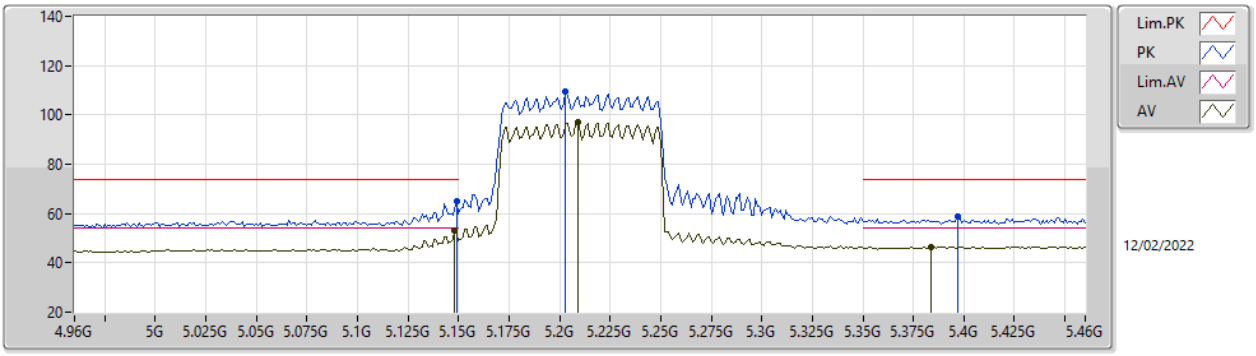


EUT X_4TX
Setting 69
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.146G	66.46	74.00	-7.54	61.66	3	Vertical	75	1.80	-	32.92	5.05	33.17
AV	5.15G	53.79	54.00	-0.21	49.01	3	Vertical	75	1.80	-	32.90	5.05	33.17
PK	5.239G	107.40	Inf	-Inf	102.47	3	Vertical	75	1.80	-	33.00	5.10	33.17
AV	5.219G	95.77	Inf	-Inf	90.84	3	Vertical	75	1.80	-	33.00	5.10	33.17
PK	5.386G	58.60	74.00	-15.40	53.36	3	Vertical	75	1.80	-	33.32	5.10	33.18
AV	5.374G	46.76	54.00	-7.24	41.59	3	Vertical	75	1.80	-	33.24	5.10	33.17

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

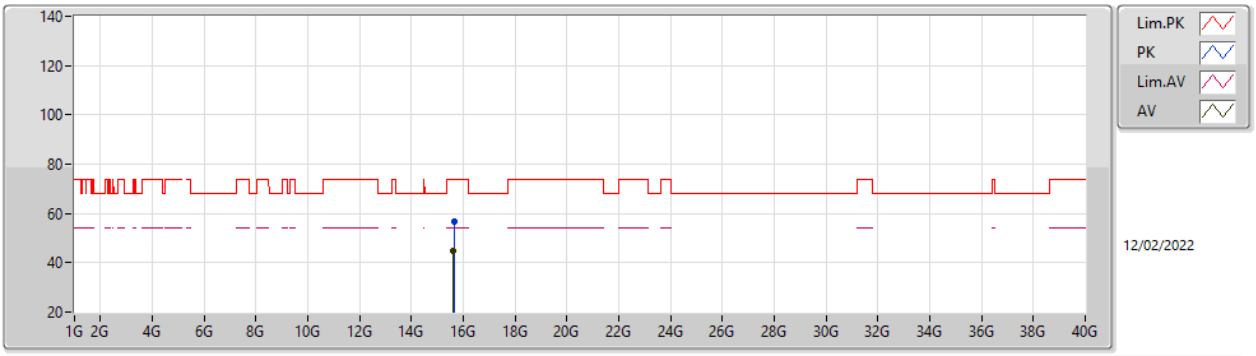


EUT X_4TX
Setting 69
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.149G	64.84	74.00	-9.16	60.06	3	Horizontal	167	2.53	-	32.90	5.05	33.17
AV	5.148G	52.85	54.00	-1.15	48.06	3	Horizontal	167	2.53	-	32.91	5.05	33.17
PK	5.203G	109.33	Inf	-Inf	104.40	3	Horizontal	167	2.53	-	33.00	5.10	33.17
AV	5.209G	96.91	Inf	-Inf	91.98	3	Horizontal	167	2.53	-	33.00	5.10	33.17
PK	5.397G	58.62	74.00	-15.38	53.32	3	Horizontal	167	2.53	-	33.38	5.10	33.18
AV	5.384G	46.47	54.00	-7.53	41.25	3	Horizontal	167	2.53	-	33.30	5.10	33.18

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

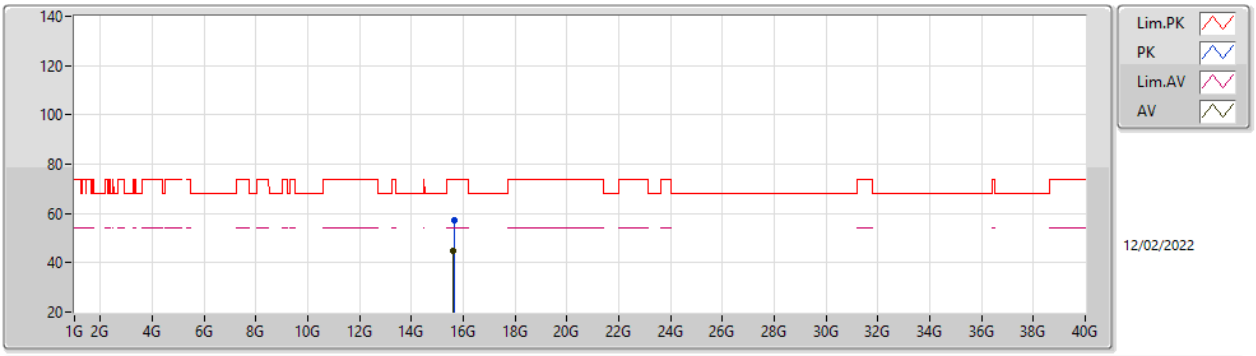


EUT X_4TX
Setting 69
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.63294G	56.79	74.00	-17.21	44.42	3	Vertical	210	2.98	-	38.50	9.01	35.14
AV	15.6297G	44.73	54.00	-9.27	32.35	3	Vertical	210	2.98	-	38.51	9.01	35.14

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

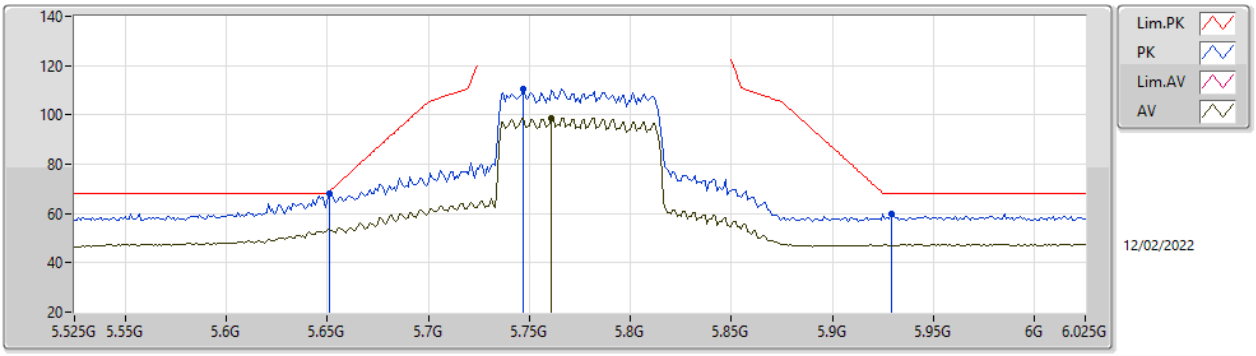


EUT X_4TX
Setting 69
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.63318G	57.16	74.00	-16.84	44.79	3	Horizontal	360	2.71	-	38.50	9.01	35.14
AV	15.62616G	44.64	54.00	-9.36	32.25	3	Horizontal	360	2.71	-	38.52	9.01	35.14

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

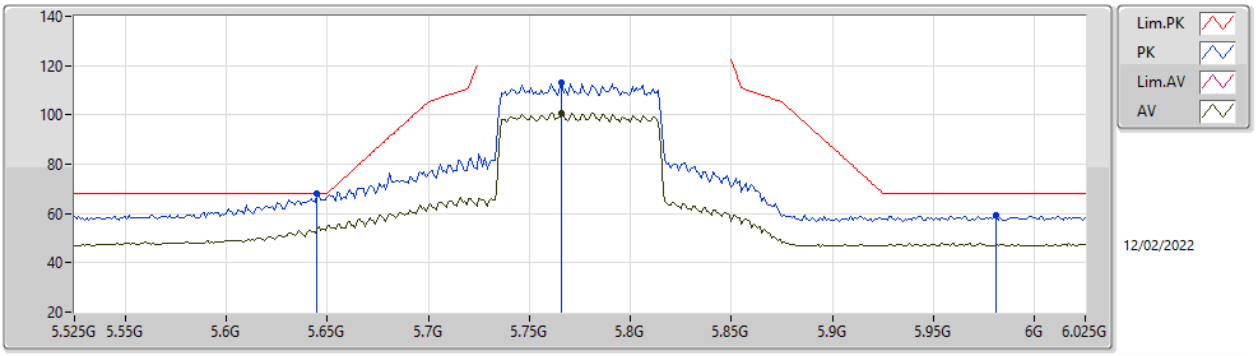


EUT X_4TX
Setting 79
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.651G	67.92	68.94	-1.02	61.56	3	Vertical	88	2.05	-	34.30	5.30	33.24
PK	5.747G	110.40	Inf	-Inf	103.99	3	Vertical	88	2.05	-	34.39	5.30	33.28
AV	5.761G	98.82	Inf	-Inf	92.38	3	Vertical	88	2.05	-	34.42	5.30	33.28
PK	5.929G	59.73	68.20	-8.47	52.65	3	Vertical	88	2.05	-	35.07	5.36	33.35

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

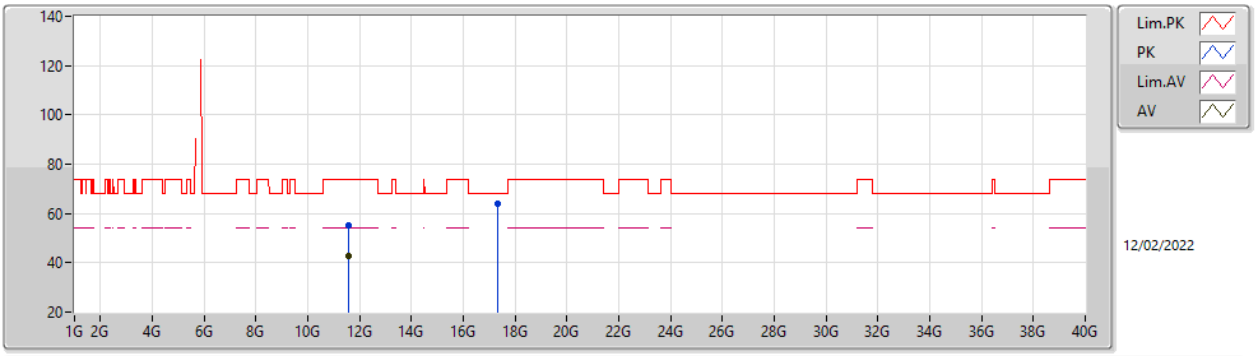


EUT X_4TX
Setting 79
04-D-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.645G	67.90	68.20	-0.30	61.57	3	Horizontal	19	1.03	-	34.27	5.30	33.24
PK	5.766G	112.91	Inf	-Inf	106.47	3	Horizontal	19	1.03	-	34.43	5.30	33.29
AV	5.766G	100.91	Inf	-Inf	94.47	3	Horizontal	19	1.03	-	34.43	5.30	33.29
PK	5.981G	59.36	68.20	-8.84	52.02	3	Horizontal	19	1.03	-	35.32	5.39	33.37

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

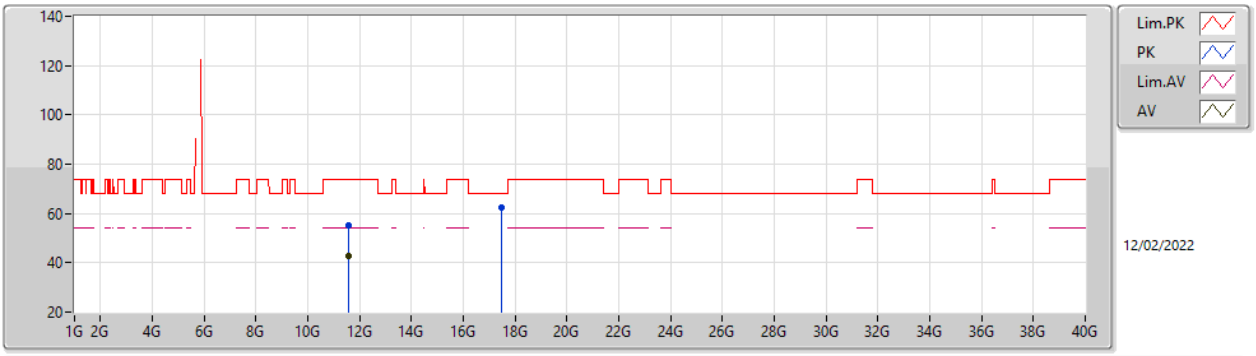


EUT X_4TX
Setting 79
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5504G	55.15	74.00	-18.85	41.94	3	Vertical	148	1.73	-	39.30	8.69	34.78
AV	11.55648G	42.84	54.00	-11.16	29.63	3	Vertical	148	1.73	-	39.30	8.69	34.78
PK	17.34804G	63.74	68.20	-4.46	46.92	3	Vertical	239	1.80	-	41.84	9.57	34.59

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom



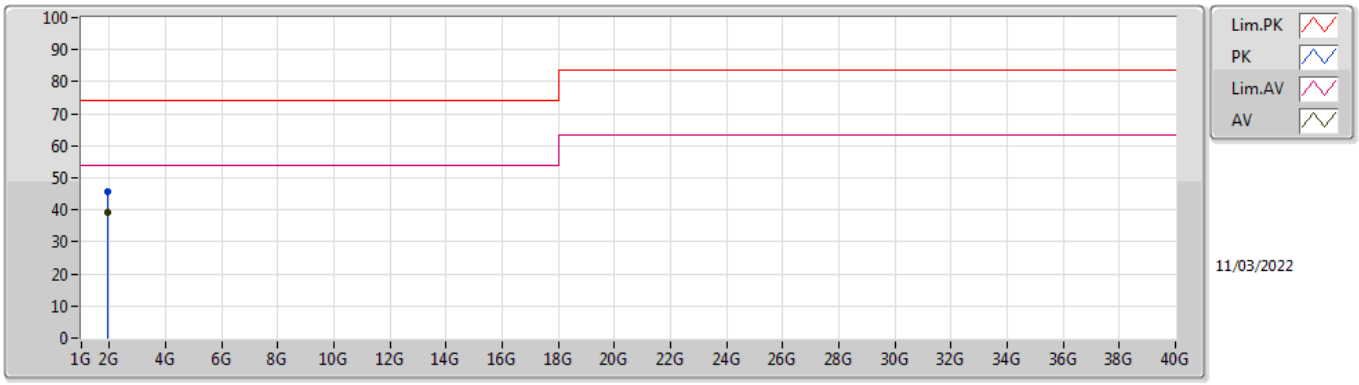
EUT X_4TX
Setting 79
04-D-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.55008G	55.17	74.00	-18.83	41.96	3	Horizontal	153	2.75	-	39.30	8.69	34.78
AV	11.54989G	42.94	54.00	-11.06	29.74	3	Horizontal	153	2.75	-	39.30	8.68	34.78
PK	17.463G	62.66	68.20	-5.54	45.50	3	Horizontal	128	1.80	-	42.06	9.61	34.51

Summary

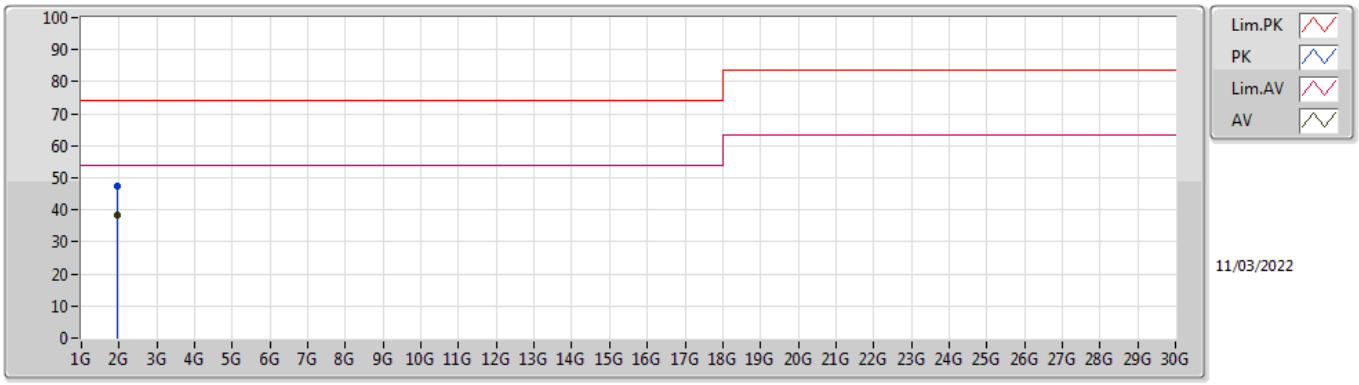
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.94095G	39.26	54.00	-14.74	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.94115G	45.53	74.00	-28.47	-3.51	3	Vertical	240	2.51	-	49.04	27.34	4.54	35.39
AV	1.94095G	39.26	54.00	-14.74	-3.51	3	Vertical	240	2.51	"Worst"	42.77	27.34	4.54	35.39

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.95405G	47.38	74.00	-26.62	-3.55	3	Horizontal	360	1.34	-	50.93	27.29	4.55	35.39
AV	1.9534G	38.27	54.00	-15.73	-3.55	3	Horizontal	360	1.34	"Worst"	41.82	27.29	4.55	35.39