



RADIO TEST REPORT

FCC ID : NKR-ATTGW450
Equipment : 5G Residential Gateway
Brand Name : WNC
Model Name : CGW450-400
Applicant : Wistron NeWeb Corp.
20 Park Avenue II, Hsinchu Science Park, Hsinchu 308,
Taiwan, R.O.C
Manufacturer : NEWEB VIET NAM CO., LTD.
Land Lot CN01, Dong Van III Industrial zone, Dong Van
Ward, Duy Tien Town, Ha Nam Province, VietNam
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 01, 2022, and testing was started from Aug. 03, 2022 and completed on Aug. 15, 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
FR280117AB	01	Initial issue of report	Aug. 12, 2022
FR280117AB	02	Changing the Adapter	Aug. 17, 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: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX

Note:

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



1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Modes of Operation
	WLAN 2.4GHz	WLAN 5GHz					
1	1	1	WNC	48XKAC42	Dipole	I-PEX	WLAN 2.4GHz, 5GHz UNII 1, 3
2	2	2	WNC	48XKAC3F	Dipole	I-PEX	
3	3	3	WNC	48XKAC45	Dipole	I-PEX	
4	4	4	WNC	48XKAC46	Dipole	I-PEX	
5	-	-	WNC	48XKAC3G	Dipole	I-PEX	WLAN 6GHz
6	-	-	WNC	48XKAC3G	Dipole	I-PEX	
7	-	-	WNC	48XKAC3G	Dipole	I-PEX	
8	-	-	WNC	48XKAC3N	Dipole	I-PEX	
9	5	-	WNC	48XKAC3H	Dipole	I-PEX	WLAN 5GHz UNII 2C
10	-	-	WNC	48XKAC3L	Dipole	I-PEX	WWAN full band
11	-	-	WNC	48XKAC3P	Dipole	I-PEX	
12	-	-	WNC	48XKAC3R	Dipole	I-PEX	WWAN dual band
13	-	-	WNC	48XKAC3X	Dipole	I-PEX	
14	-	-	WNC	48XKAC3J	Dipole	I-PEX	
15	-	-	WNC	48XKAC3K	Dipole	I-PEX	WWAN single band
16	-	-	WNC	48XKAC3Y	Dipole	I-PEX	
17	-	-	WNC	48XKAC3Z	Dipole	I-PEX	



Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz			WLAN 5GHz UNII 1			WLAN 5GHz UNII 3		
1	6.15			4.38			5.49		
2	5.22			3.21			5.48		
3	4.46			4.16			4.07		
4	4.87			4.01			5.91		
Freq.	700 MHz	780 MHz	850 MHz	1800 MHz	2100 MHz	2300 MHz	3300 MHz	4200 MHz	
10	1.7	2.1	3.8	2.8	2.6	5.6	5.0	2.2	
11	2.2	2.8	0.9	3.9	2.4	3.9	4.5	3.4	
Freq.	1800 MHz		2100 MHz	2300 MHz		3300 MHz		4200 MHz	
12	4.1		3.2	3.3		2.8		3.1	
13	3.3		4.1	4.2		3.6		3.5	
14	2.8		3.6	2.7		5.2		4.5	
Freq.	3300 MHz					4200 MHz			
15	4.2					3.6			
16	4.2					3.7			
17	3.0					3.0			

Note1: The above information was declared by manufacturer.

Note2: The antenna 5~9 don't function in this application.

Note3: **For WLAN 2.4GHz function:**

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

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

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

For WLAN 5GHz function:

For IEEE 802.11a/n/ac/ax (4TX/5RX that it includes 1RX for UNII 2A):

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

Port 1, Port 2, Port 3, Port 4 and Port 5 could transmit/receive simultaneously.

Note4: The EUT doesn't enable the DFS band at this time.



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.968	0.14	781.25u	3k
802.11ax HEW80	0.941	0.26	415u	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	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Function	<input type="checkbox"/>	Outdoor P2M	<input checked="" type="checkbox"/>	Indoor P2M
	<input type="checkbox"/>	Fixed P2P	<input type="checkbox"/>	Client
	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Test Software Version	Mtool_3.2.1.4			

Note: The above information was declared by manufacturer.

1.1.5 Table for Certified WWAN Module Information

Brand Name	Model Name	FCC ID	Bands
WNC	IMQC	NKRIMQC	4G Band (LTE): B2/B5/B12/B14/B30/B66 5G Band (NR): n2/n5/n12/n30/n66/n77(3450~3550MHz)/n77(3700~3980MHz)

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 D01 v02r01
- ◆ FCC KDB 412172 D01 v01r01
- ◆ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Jay Lo	23.5-23.8 / 52-58	Aug. 04, 2022
Radiated <Below 1GHz>	03CH06-CB	Gordon Huang	23.8~25.2 / 63~69	Aug. 15, 2022
Radiated <Above 1GHz>	03CH02-CB	Gordon Huang	23.8~25 / 65~67	Aug. 03, 2022~ Aug. 05, 2022
Radiated <Co-location>	03CH03-CB	Gordon Huang	24.7~26.1 / 65~65	Aug. 03, 2022~ Aug. 05, 2022
AC Conduction	CO02-CB	Ryan Huang	22~24 / 55~56	Aug. 15, 2022



1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	84
5200MHz	82
5240MHz	80
5745MHz	96
5785MHz	98
5825MHz	99
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	86
5200MHz	84
5240MHz	83
5745MHz	98
5785MHz	98
5825MHz	99
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	71
5230MHz	92
5755MHz	97
5795MHz	97
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	71
5775MHz	89

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



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	EUT_WLAN 2.4GHz
2	EUT_WLAN 5GHz
For operating mode 2 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement<Above 1GHz>, and the worst case was found at X axis position for 2.4GHz and Y axis position for 5GHz.	
1	EUT in X axis_WLAN 2.4GHz
2	EUT in Y axis_WLAN 5GHz
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT was performed at X axis, Y axis and Z axis position. EUT Y axis has been evaluated to be the worst case at Radiated measurement <Above 1GHz> ; thus, the measurement will follow this same test configuration	
1	EUT in Y 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 + WWAN
Refer to Sporton Test Report No.: FA280117 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
AC Adapter	AT&T	EPS72R0-16	INPUT: 120V~1.8A, 60Hz OUTPUT: 12V, 6A, 72W

2.5 Support Equipment

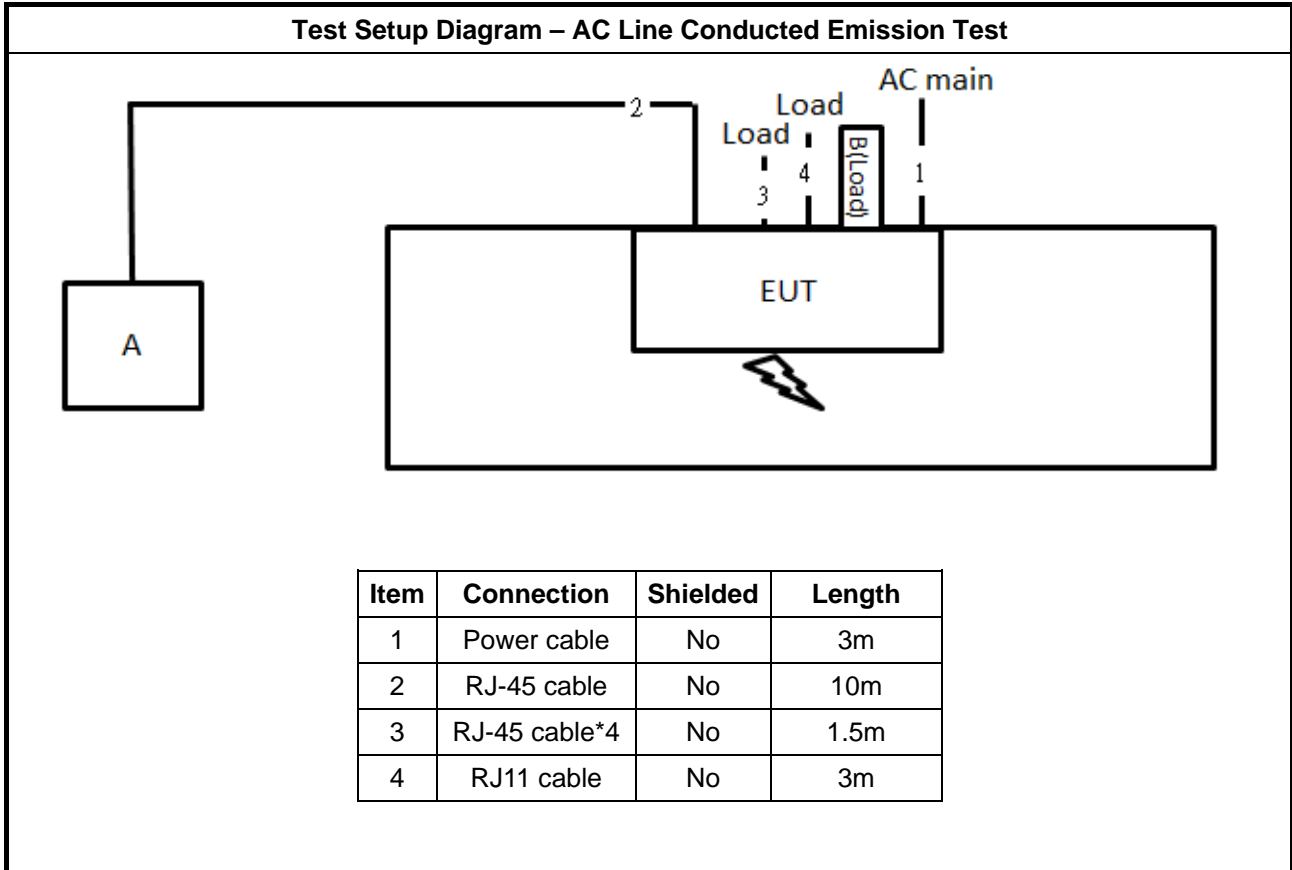
For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-700	N/A

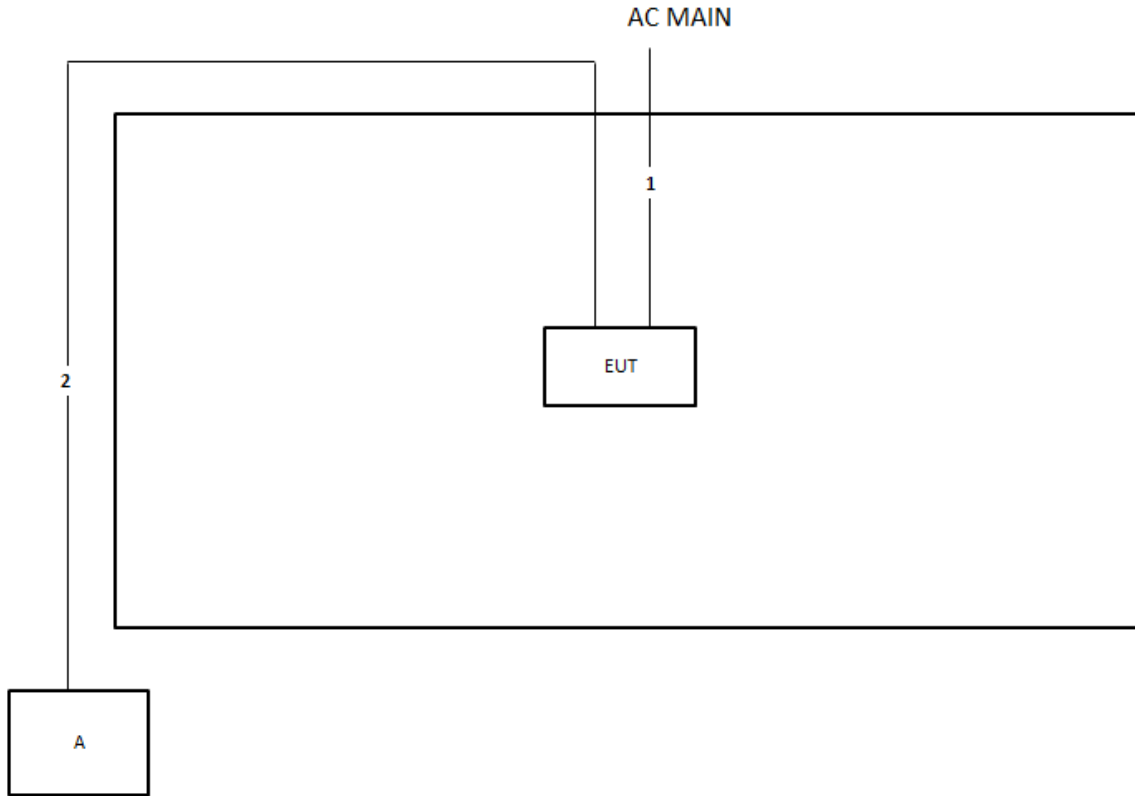
For Radiated and RF Conducted:

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

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	Power cable	No	3m
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.

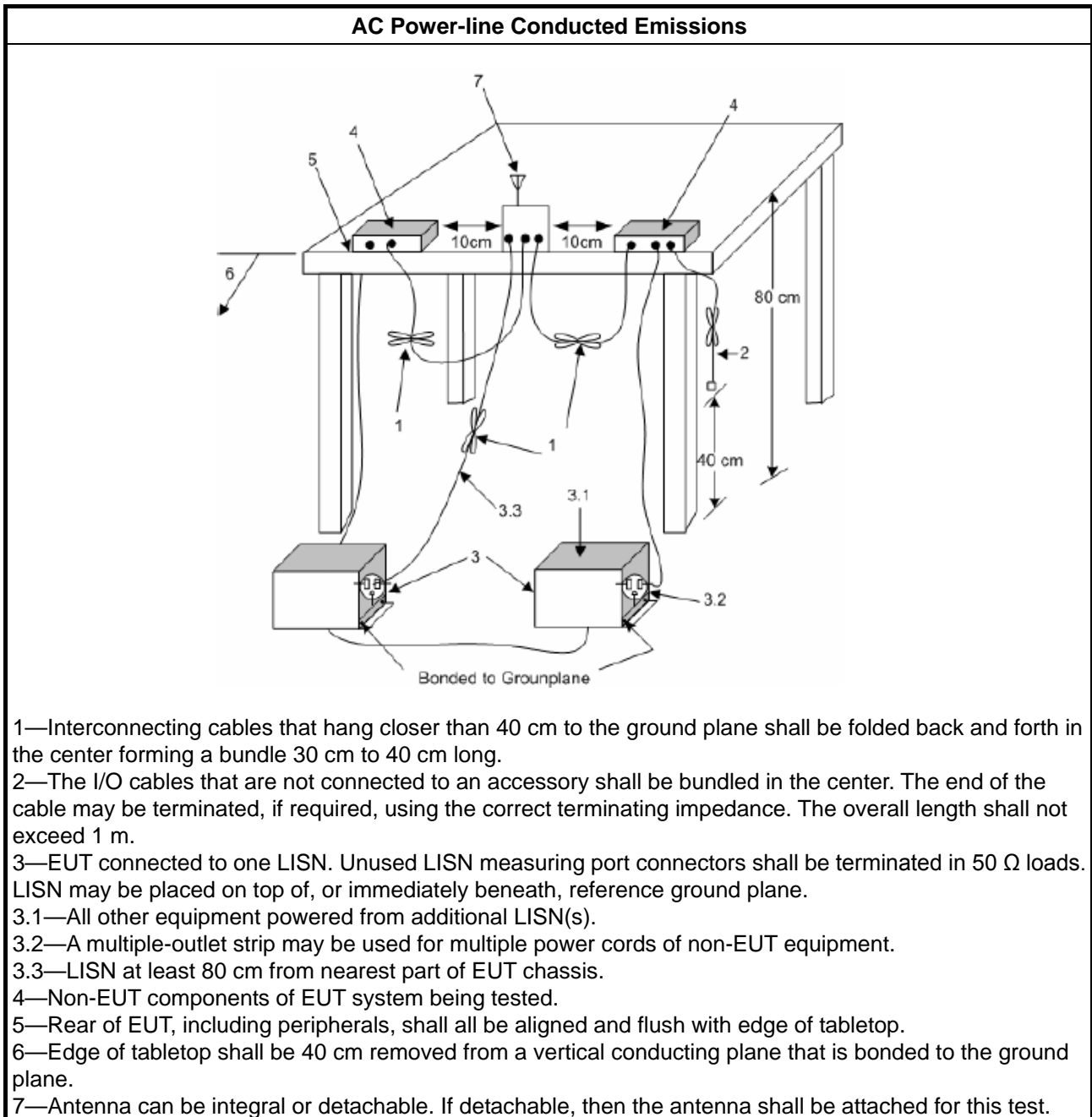
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A



3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input type="checkbox"/>	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.
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
<input type="checkbox"/>	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
<input type="checkbox"/>	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.
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

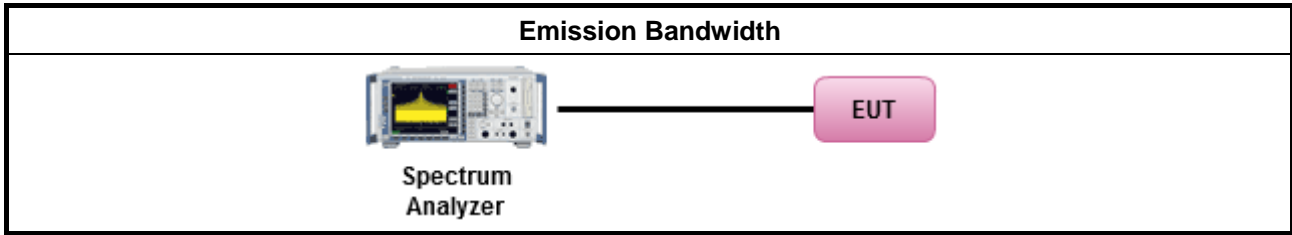
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method							
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px;"><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.</td> </tr> </table> 		<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.	<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.						
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.						
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.						

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

Maximum Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input type="checkbox"/> 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 $P_{Out} = 24 - (G_{TX} - 6)$.	
<input type="checkbox"/> 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 $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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	
<input type="checkbox"/> For the 5.85-5.895 GHz band:	
	<ul style="list-style-type: none"> ▪ Indoor AP & subordinate device < 36 dBm ▪ Client device < 30 dBm
LE-LAN Devices	
<input type="checkbox"/> 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.	
<input type="checkbox"/> 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	
<input type="checkbox"/> 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	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.

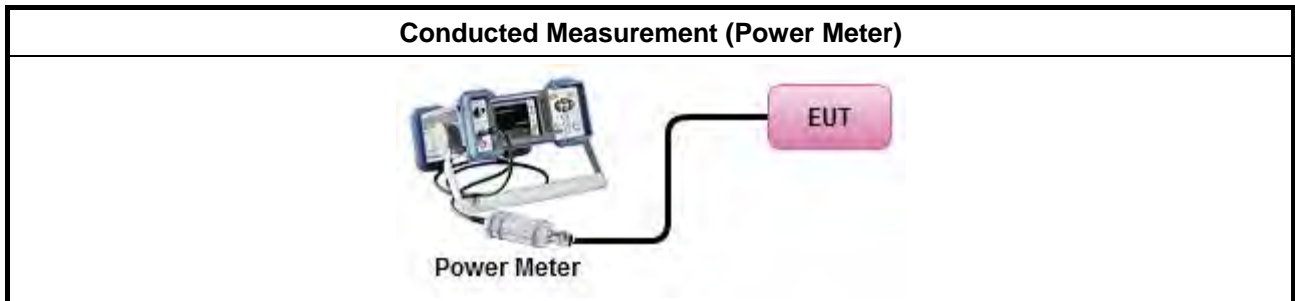
3.3.2 Measuring Instruments

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
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $PPSD = 11 - (G_{TX} - 6)$.
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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	
<input type="checkbox"/> For the 5.85-5.895 GHz band:	
	<ul style="list-style-type: none"> ▪ Indoor AP & subordinate device < 20dBm/MHz ▪ Client device < 14dBm/MHz
LE-LAN Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	<ul style="list-style-type: none"> ▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 ($\theta-8$) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 ($\theta-40$) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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

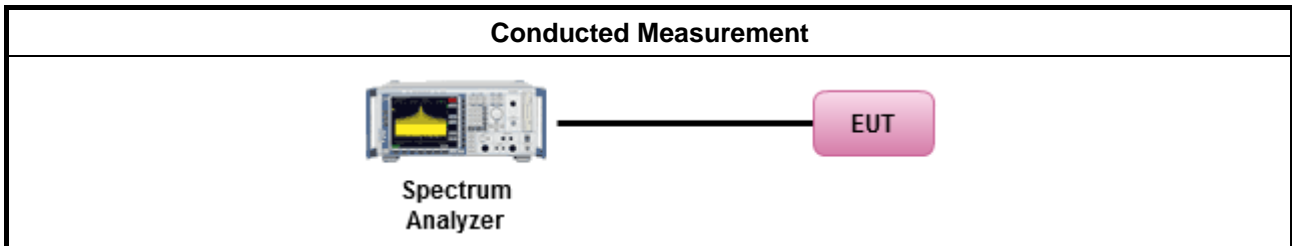
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> ▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
	[duty cycle ≥ 98% or external video / power trigger]
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below:
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm])

Test Method	
	$EIRP_{total} = PPSD_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	<ul style="list-style-type: none"> Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.



Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
<input checked="" type="checkbox"/> 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input type="checkbox"/> 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input type="checkbox"/> 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 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.
<input type="checkbox"/> 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
<p>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).</p>	

3.5.2 Measuring Instruments

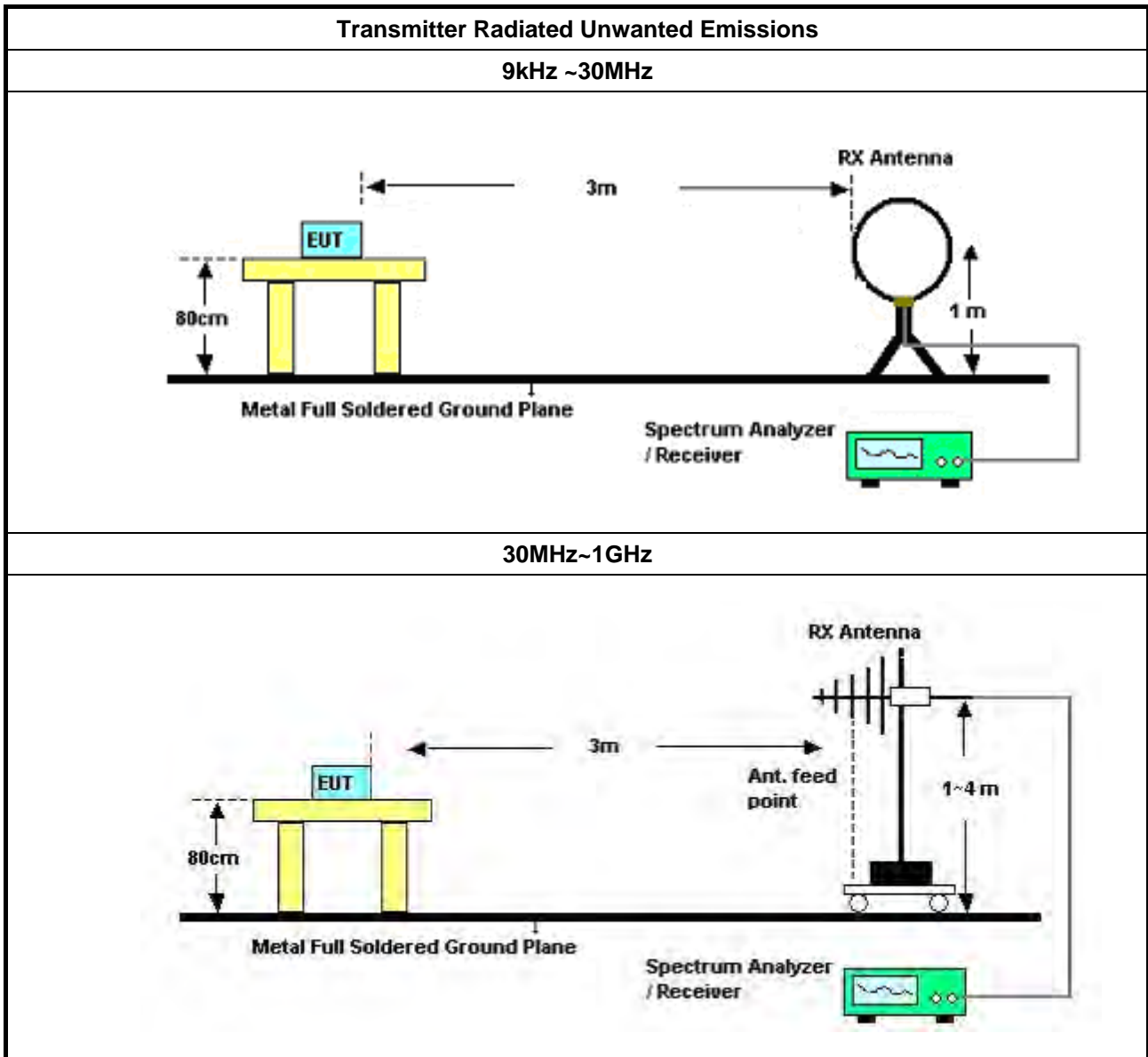
Refer a test equipment and calibration data table in this test report.

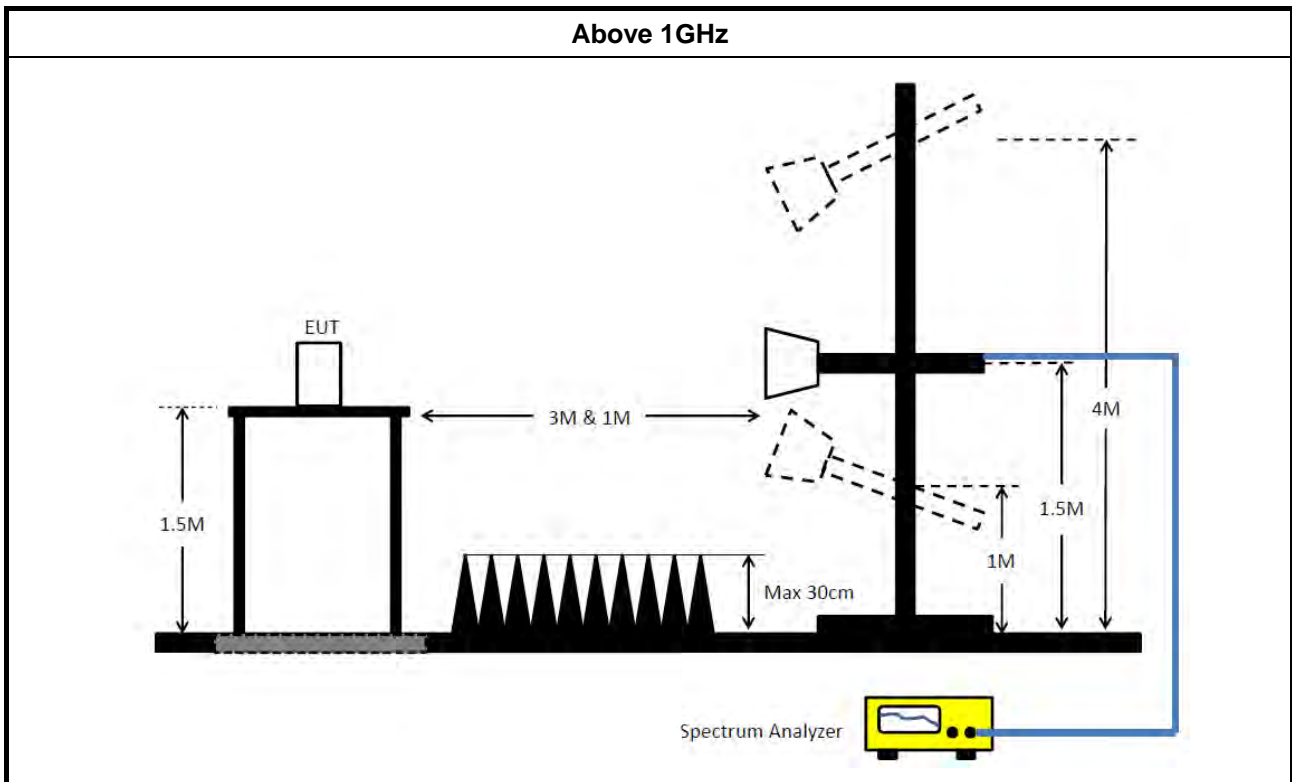


3.5.3 Test Procedures

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

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Jan. 07, 2022	Jan. 06, 2023	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 22, 2021	Dec. 21, 2022	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 06, 2022	May 05, 2023	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2022	Mar. 17, 2023	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 19, 2021	Oct. 18, 2022	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 25, 2022	Jan. 24, 2023	Radiation (03CH06-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH06-CB)
Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH06-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-16+17	30 MHz ~ 1 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 05, 2022	Jul. 04, 2023	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)



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 (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 05, 2022	May 04, 2023	Radiation (03CH03-CB)
Horn Antenna	ETS · Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 05, 2022	Jul. 04, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 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)
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)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2022	Apr. 25, 2023	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-03-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-03-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-03-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-03-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-03-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

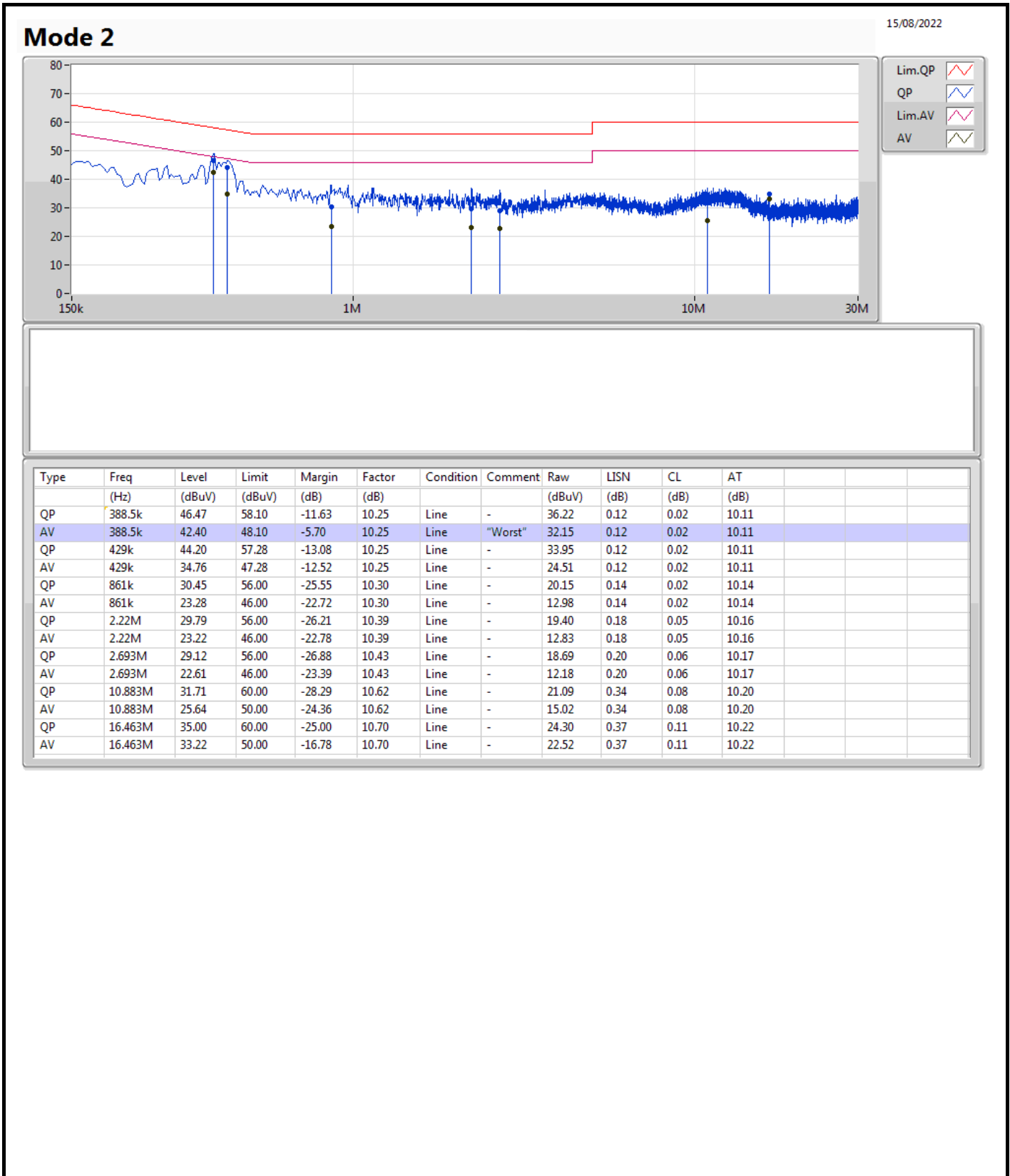
Note: Calibration Interval of instruments listed above is one year.

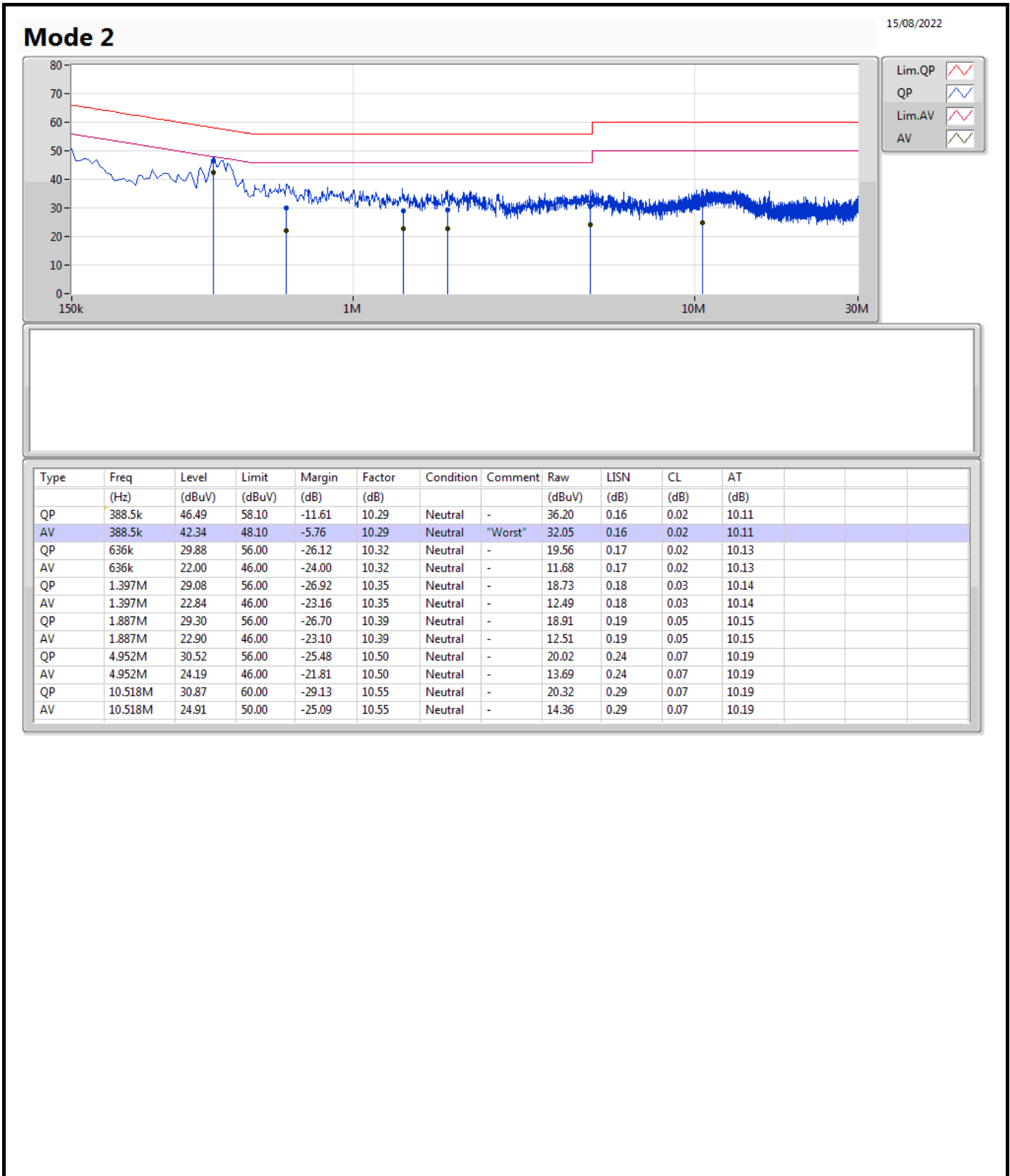
NCR means Non-Calibration required.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	388.5k	42.40	48.10	-5.70	Line





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	25.5M	17.481M	17M5D1D	21.99M	17.181M
802.11ax HEW20_Nss1,(MCS0)_4TX	26.64M	19.25M	19M2D1D	21.84M	19.19M
802.11ax HEW40_Nss1,(MCS0)_4TX	50.94M	38.321M	38M3D1D	42.12M	38.141M
802.11ax HEW80_Nss1,(MCS0)_4TX	89.52M	78.081M	78M1D1D	84.36M	77.841M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	26.477M	26M5D1D	16.32M	17.241M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.14M	19.64M	19M6D1D	18.54M	19.22M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.8M	40.66M	40M7D1D	37.44M	38.261M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.4M	77.961M	78MOD1D	76.8M	77.841M

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	24.93M	17.331M	25.5M	17.481M	22.92M	17.271M	23.94M	17.271M
5200MHz	Pass	Inf	21.99M	17.421M	22.83M	17.331M	24.9M	17.241M	22.44M	17.181M
5240MHz	Pass	Inf	22.44M	17.361M	24.63M	17.391M	23.07M	17.241M	25.26M	17.271M
5745MHz	Pass	500k	16.32M	17.481M	16.32M	17.721M	16.35M	17.901M	16.32M	17.241M
5785MHz	Pass	500k	16.35M	17.571M	16.32M	18.471M	16.32M	18.411M	16.35M	17.481M
5825MHz	Pass	500k	16.32M	17.631M	16.32M	18.201M	16.32M	26.477M	16.32M	17.361M
802.11ax HEW20_Nss1,(MCSO)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	25.29M	19.22M	24.12M	19.22M	22.68M	19.22M	26.16M	19.25M
5200MHz	Pass	Inf	23.1M	19.25M	22.29M	19.22M	22.2M	19.22M	26.64M	19.25M
5240MHz	Pass	Inf	24.36M	19.22M	23.52M	19.22M	25.83M	19.22M	21.84M	19.19M
5745MHz	Pass	500k	18.99M	19.28M	18.9M	19.58M	18.54M	19.64M	18.81M	19.25M
5785MHz	Pass	500k	18.96M	19.25M	18.78M	19.55M	18.87M	19.49M	18.87M	19.28M
5825MHz	Pass	500k	19.14M	19.22M	18.93M	19.43M	18.96M	19.55M	18.87M	19.28M
802.11ax HEW40_Nss1,(MCSO)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	45M	38.141M	42.12M	38.141M	45.48M	38.141M	43.56M	38.201M
5230MHz	Pass	Inf	49.26M	38.261M	42.36M	38.261M	50.94M	38.321M	46.38M	38.201M
5755MHz	Pass	500k	37.56M	38.261M	37.62M	38.561M	37.68M	39.16M	37.44M	38.321M
5795MHz	Pass	500k	37.62M	38.381M	37.56M	38.981M	37.8M	40.66M	37.8M	38.441M
802.11ax HEW80_Nss1,(MCSO)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	84.72M	77.841M	84.36M	78.081M	89.28M	77.961M	89.52M	77.961M
5775MHz	Pass	500k	77.4M	77.961M	77.16M	77.961M	77.4M	77.841M	76.8M	77.961M

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

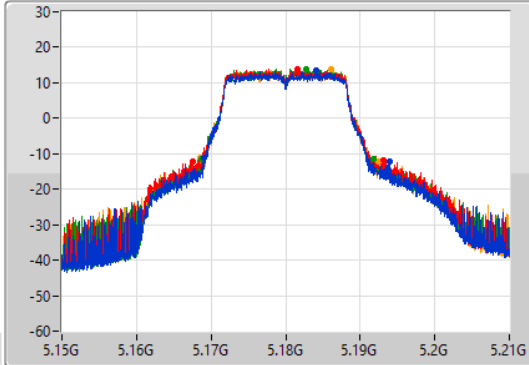
802.11a_Nss1,(6Mbps)_4TX

EBW

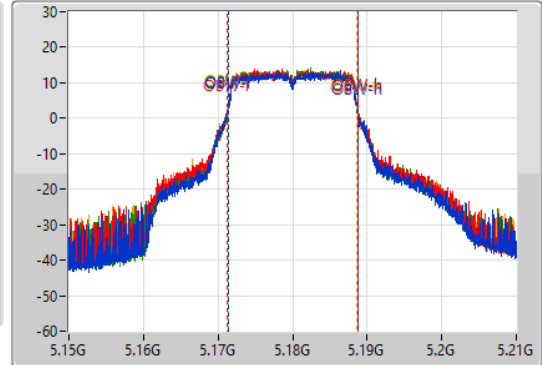
5180MHz

04/08/2022

CF
5.18GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.18GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.93M	5.16899G	5.19392G	17.331M	5.171364G	5.188696G	Inf	1
25.5M	5.16761G	5.19311G	17.481M	5.171304G	5.188786G	Inf	2
22.92M	5.16878G	5.1917G	17.271M	5.171424G	5.188696G	Inf	3
23.94M	5.16851G	5.19245G	17.271M	5.171394G	5.188666G	Inf	4

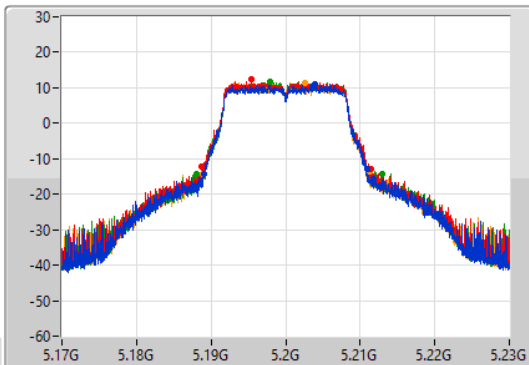
802.11a_Nss1,(6Mbps)_4TX

EBW

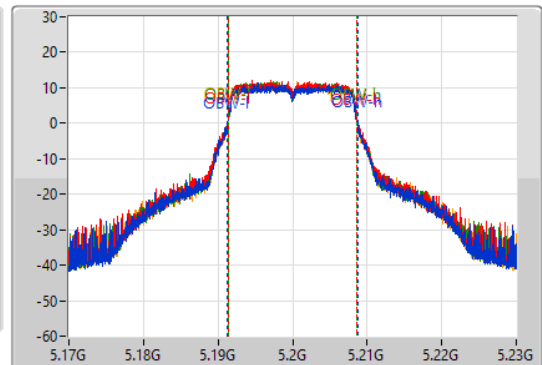
5200MHz

04/08/2022

CF
5.2GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.2GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.99M	5.18902G	5.21101G	17.421M	5.191274G	5.208696G	Inf	1
22.83M	5.18869G	5.21152G	17.331M	5.191334G	5.208666G	Inf	2
24.9M	5.18806G	5.21296G	17.241M	5.191394G	5.208636G	Inf	3
22.44M	5.18881G	5.21125G	17.181M	5.191394G	5.208576G	Inf	4

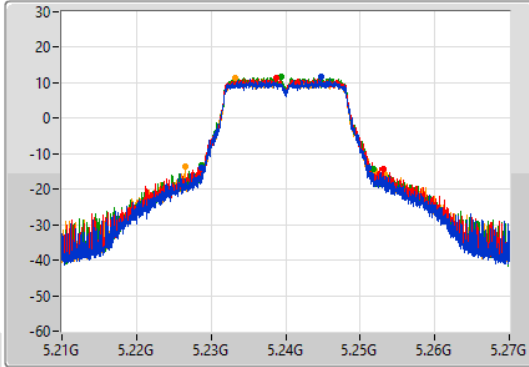
802.11a_Nss1,(6Mbps)_4TX

EBW

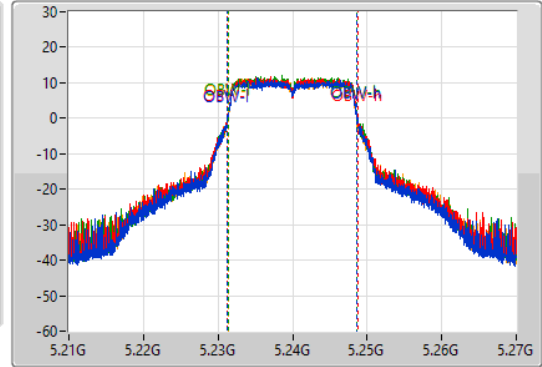
5240MHz

04/08/2022

CF: 5.24GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.24GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1
 Port 2
 Port 3
 Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.44M	5.22875G	5.25119G	17.361M	5.231304G	5.248666G	Inf	1
24.63M	5.22848G	5.25311G	17.391M	5.231304G	5.248696G	Inf	2
23.07M	5.22878G	5.25185G	17.241M	5.231394G	5.248636G	Inf	3
25.26M	5.22662G	5.25188G	17.271M	5.231334G	5.248606G	Inf	4

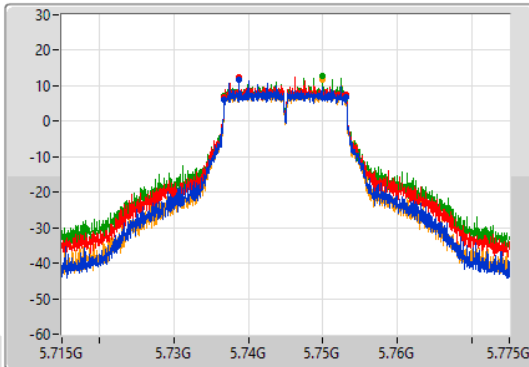
802.11a_Nss1,(6Mbps)_4TX

EBW

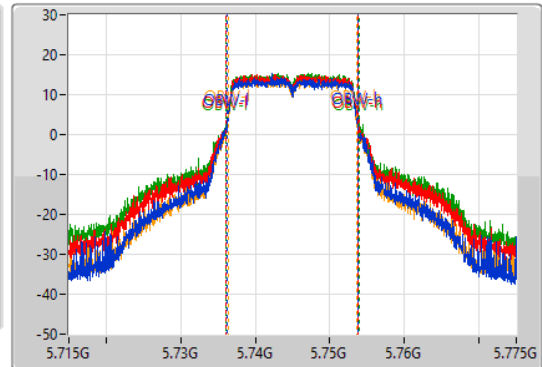
5745MHz

04/08/2022

CF: 5.745GHz
 Span: 60MHz
 RBW: 100kHz
 VBW: 300kHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.745GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1
 Port 2
 Port 3
 Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.73681G	5.75313G	17.481M	5.736214G	5.753696G	500k	1
16.32M	5.73681G	5.75313G	17.721M	5.736124G	5.753846G	500k	2
16.35M	5.73681G	5.75316G	17.901M	5.736034G	5.753936G	500k	3
16.32M	5.73681G	5.75313G	17.241M	5.736334G	5.753576G	500k	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

04/08/2022

CF
5.745GHz

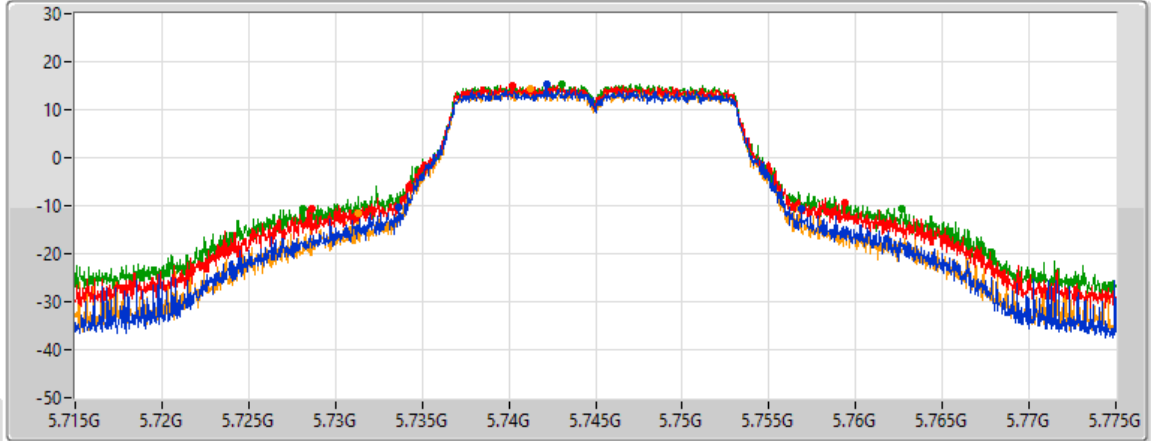
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
23.19M	5.73369G	5.75688G	Inf	1
30.69M	5.72865G	5.75934G	Inf	2
34.53M	5.72814G	5.76267G	Inf	3
25.47M	5.73129G	5.75676G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

04/08/2022

CF
5.785GHz

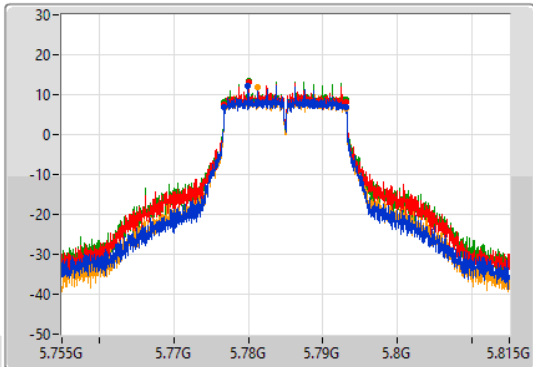
Span
60MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak



CF
5.785GHz

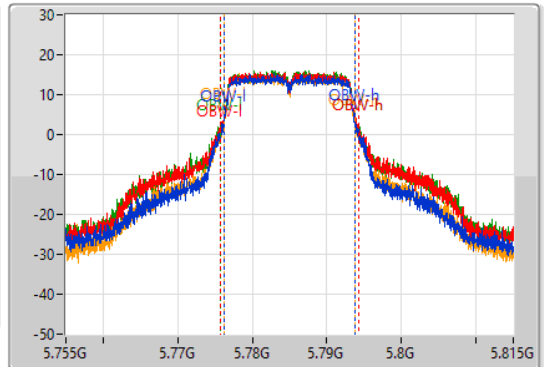
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

Port 3

Port 4

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	17.571M	5.776184G	5.793756G	500k	1
16.32M	5.77681G	5.79313G	18.471M	5.775765G	5.794235G	500k	2
16.32M	5.77681G	5.79313G	18.411M	5.775795G	5.794205G	500k	3
16.35M	5.77681G	5.79316G	17.481M	5.776214G	5.793696G	500k	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

04/08/2022

CF
5.785GHz

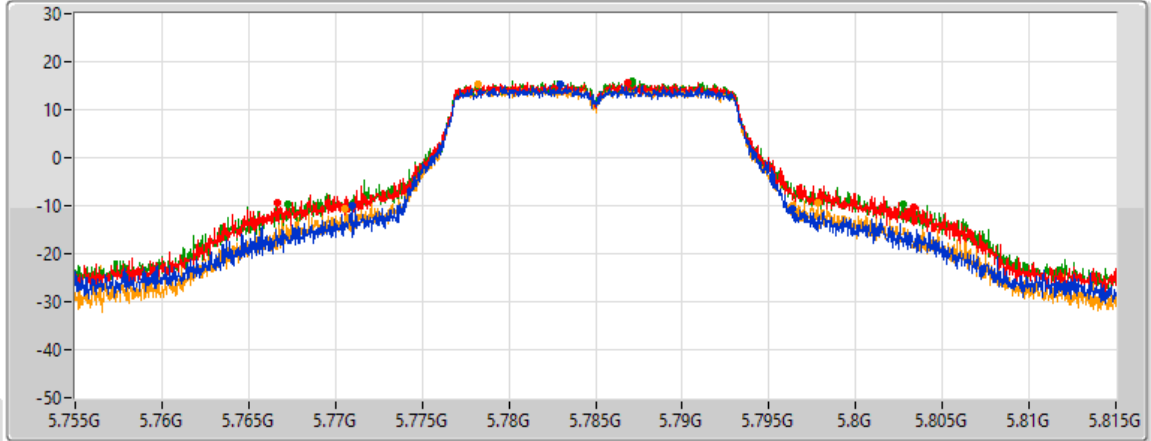
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
25.35M	5.77096G	5.79631G	Inf	1
36.72M	5.76664G	5.80336G	Inf	2
35.49M	5.76724G	5.80273G	Inf	3
27.21M	5.77057G	5.79778G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

04/08/2022

CF
5.825GHz

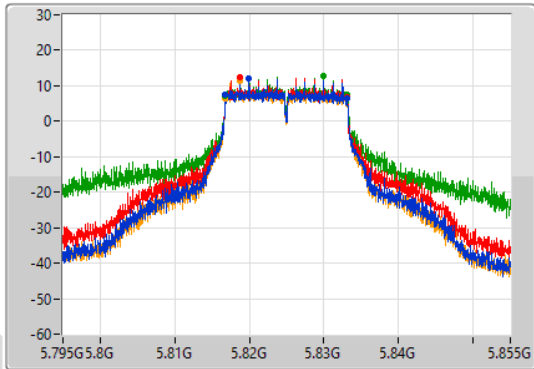
Span
60MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak



CF
5.825GHz

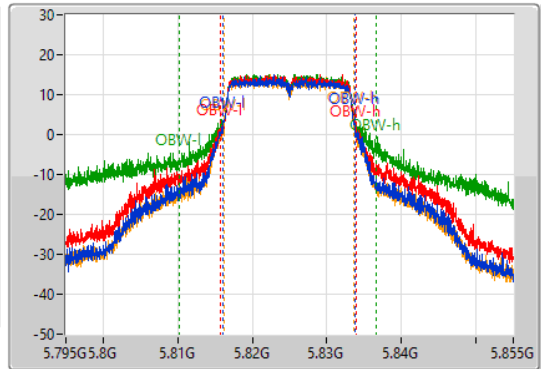
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

Port 3

Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.81681G	5.83313G	17.631M	5.816064G	5.833696G	500k	1
16.32M	5.81681G	5.83313G	18.201M	5.815765G	5.833966G	500k	2
16.32M	5.81681G	5.83313G	26.477M	5.810217G	5.836694G	500k	3
16.32M	5.81681G	5.83313G	17.361M	5.816214G	5.833576G	500k	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

04/08/2022

CF
5.825GHz

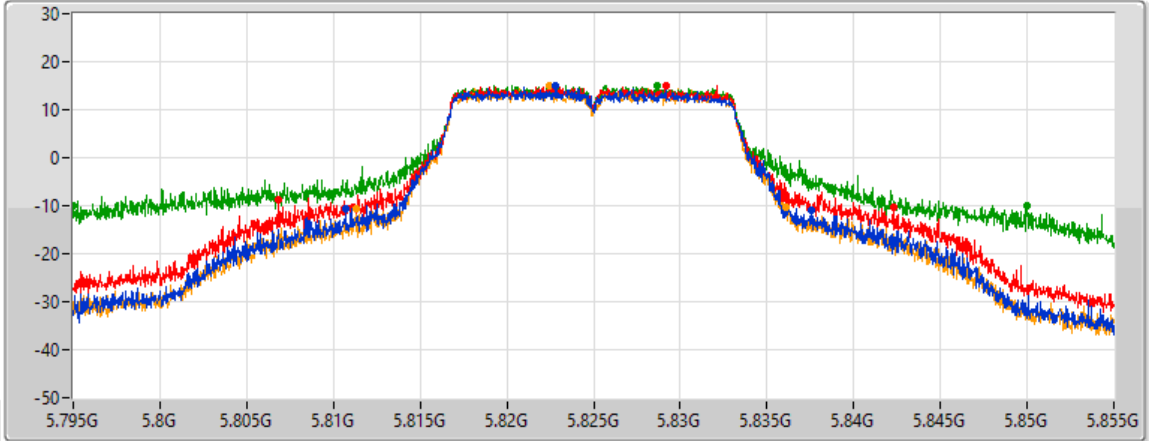
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
26.88M	5.81072G	5.8376G	Inf	1
35.43M	5.80685G	5.84228G	Inf	2
54.96M	5.79503G	5.84999G	Inf	3
24.78M	5.81129G	5.83607G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5180MHz

04/08/2022

CF
5.18GHz

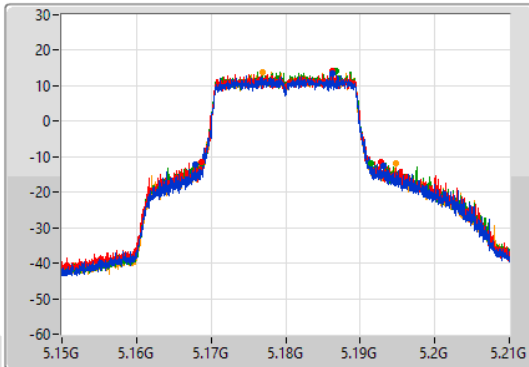
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



CF
5.18GHz

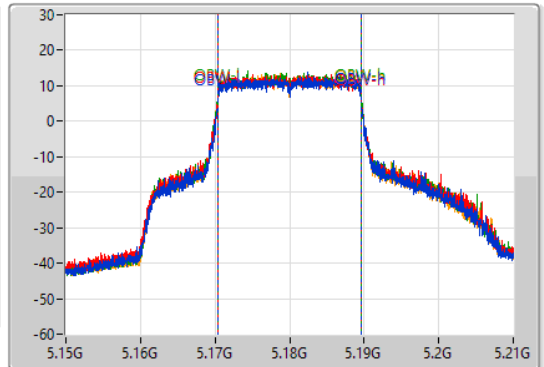
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.29M	5.16791G	5.1932G	19.22M	5.170405G	5.189625G	Inf	1
24.12M	5.16872G	5.19284G	19.22M	5.170405G	5.189625G	Inf	2
22.68M	5.16875G	5.19143G	19.22M	5.170405G	5.189625G	Inf	3
26.16M	5.1686G	5.19476G	19.25M	5.170405G	5.189655G	Inf	4

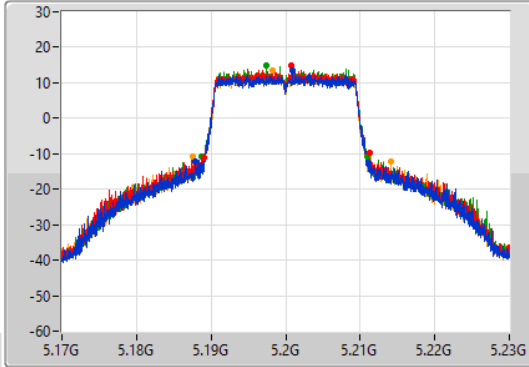
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

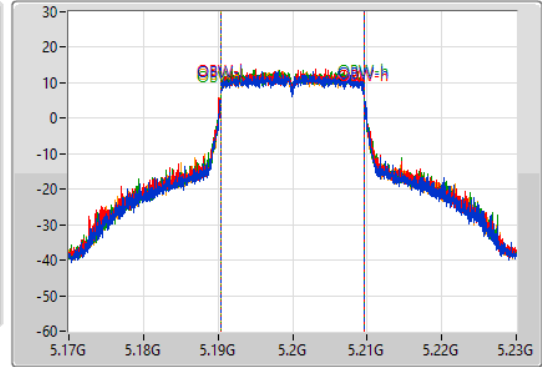
5200MHz

04/08/2022

CF
5.2GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.2GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.1M	5.18794G	5.21104G	19.25M	5.190375G	5.209625G	Inf	1
22.29M	5.18899G	5.21128G	19.22M	5.190375G	5.209595G	Inf	2
22.2M	5.18875G	5.21095G	19.22M	5.190375G	5.209595G	Inf	3
26.64M	5.18752G	5.21416G	19.25M	5.190345G	5.209595G	Inf	4

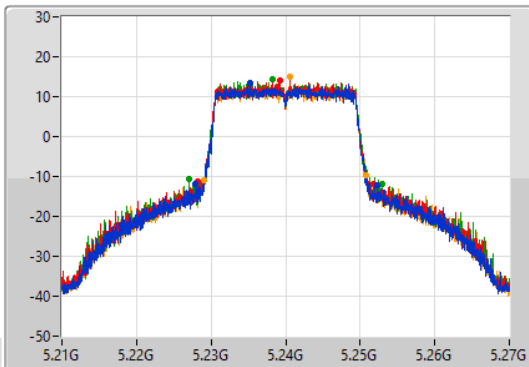
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

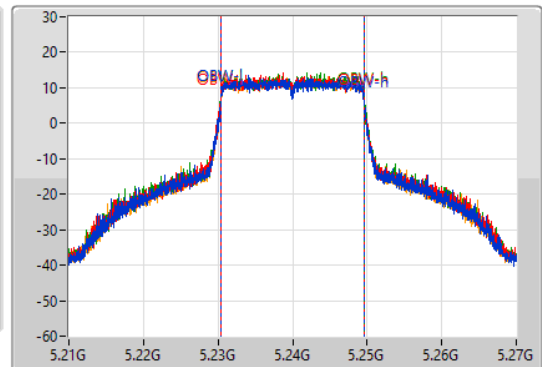
5240MHz

04/08/2022

CF
5.24GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.24GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

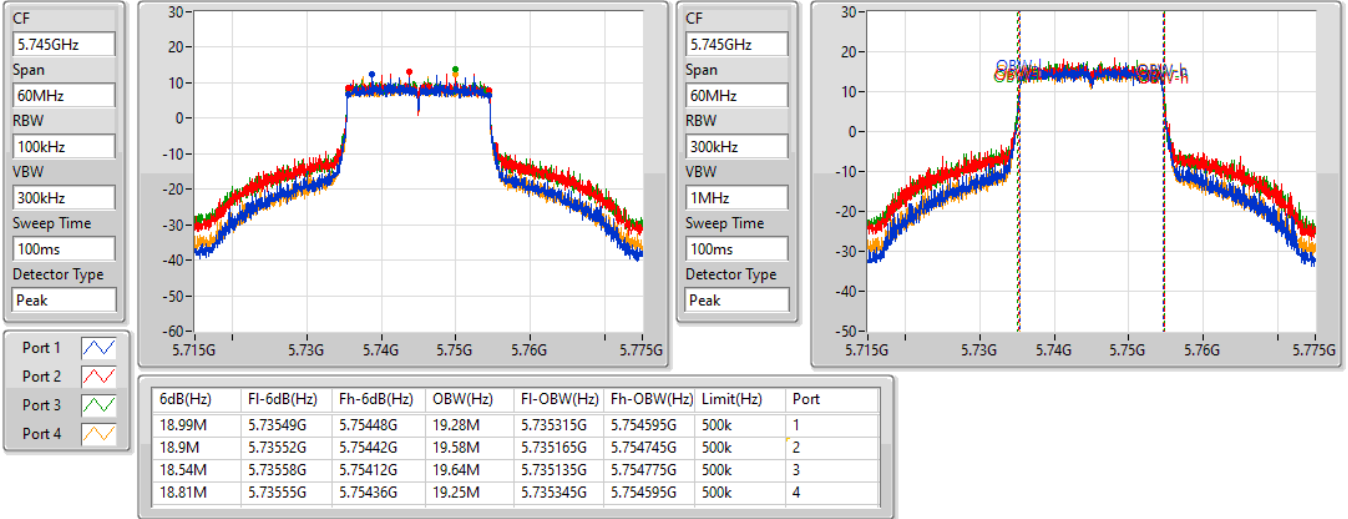
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.36M	5.22785G	5.25221G	19.22M	5.230375G	5.249595G	Inf	1
23.52M	5.22824G	5.25176G	19.22M	5.230345G	5.249565G	Inf	2
25.83M	5.22704G	5.25287G	19.22M	5.230375G	5.249595G	Inf	3
21.84M	5.22902G	5.25086G	19.19M	5.230405G	5.249595G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

04/08/2022

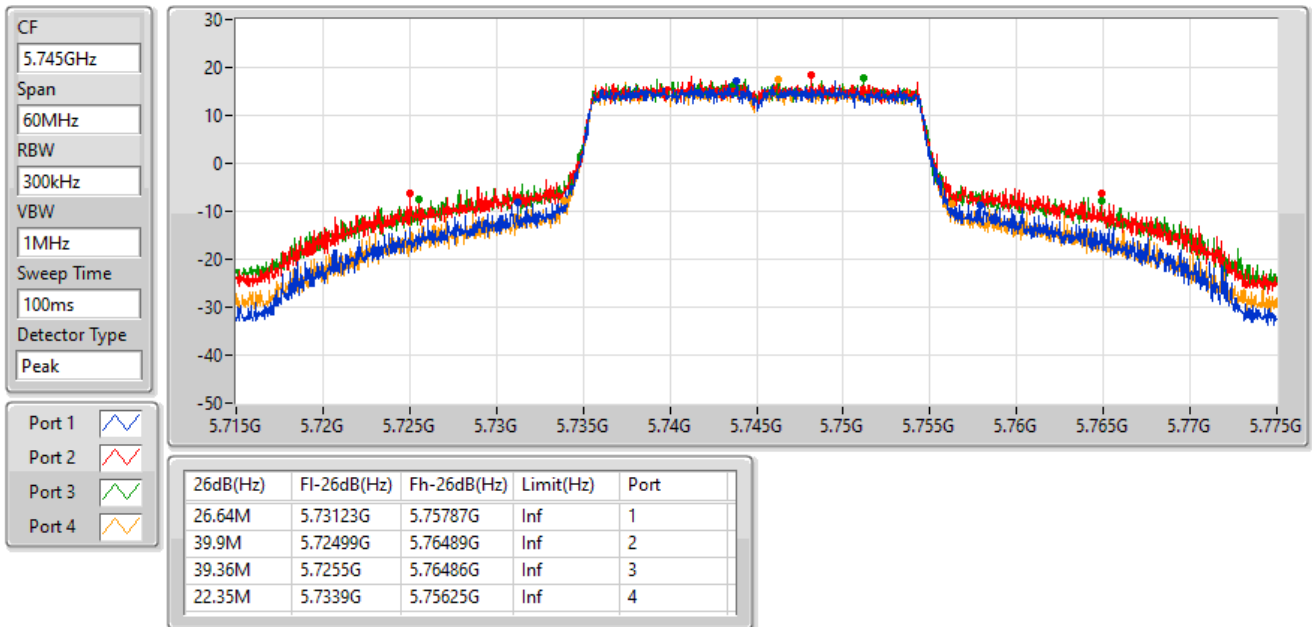


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

04/08/2022



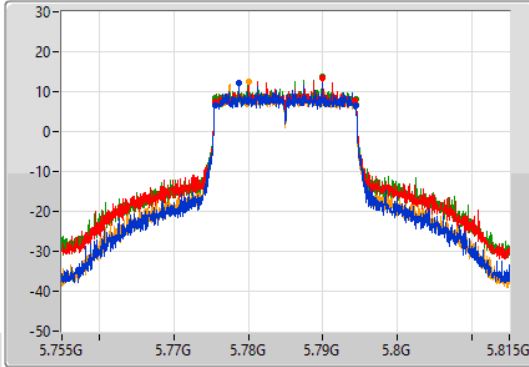
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

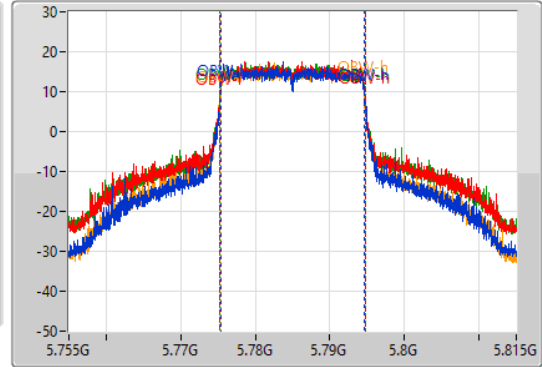
5785MHz

04/08/2022

CF
5.785GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.785GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.96M	5.77549G	5.79445G	19.25M	5.775375G	5.794625G	500k	1
18.78M	5.77555G	5.79433G	19.55M	5.775195G	5.794745G	500k	2
18.87M	5.77555G	5.79442G	19.49M	5.775225G	5.794715G	500k	3
18.87M	5.77558G	5.79445G	19.28M	5.775315G	5.794595G	500k	4

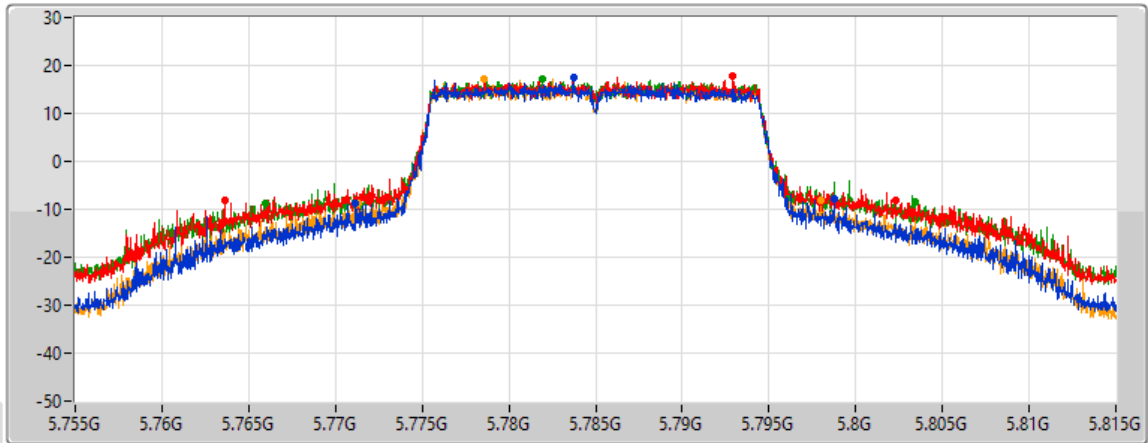
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5785MHz

04/08/2022

CF
5.785GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

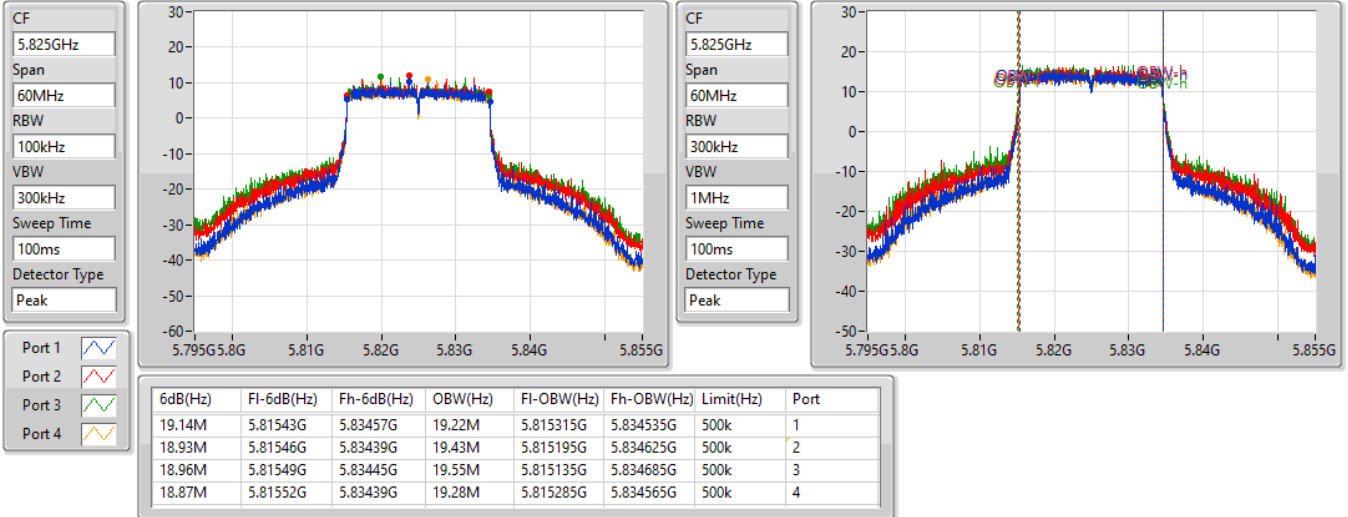
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
27.6M	5.77117G	5.79877G	Inf	1
38.7M	5.76361G	5.80231G	Inf	2
37.47M	5.76598G	5.80345G	Inf	3
26.67M	5.77129G	5.79796G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

04/08/2022

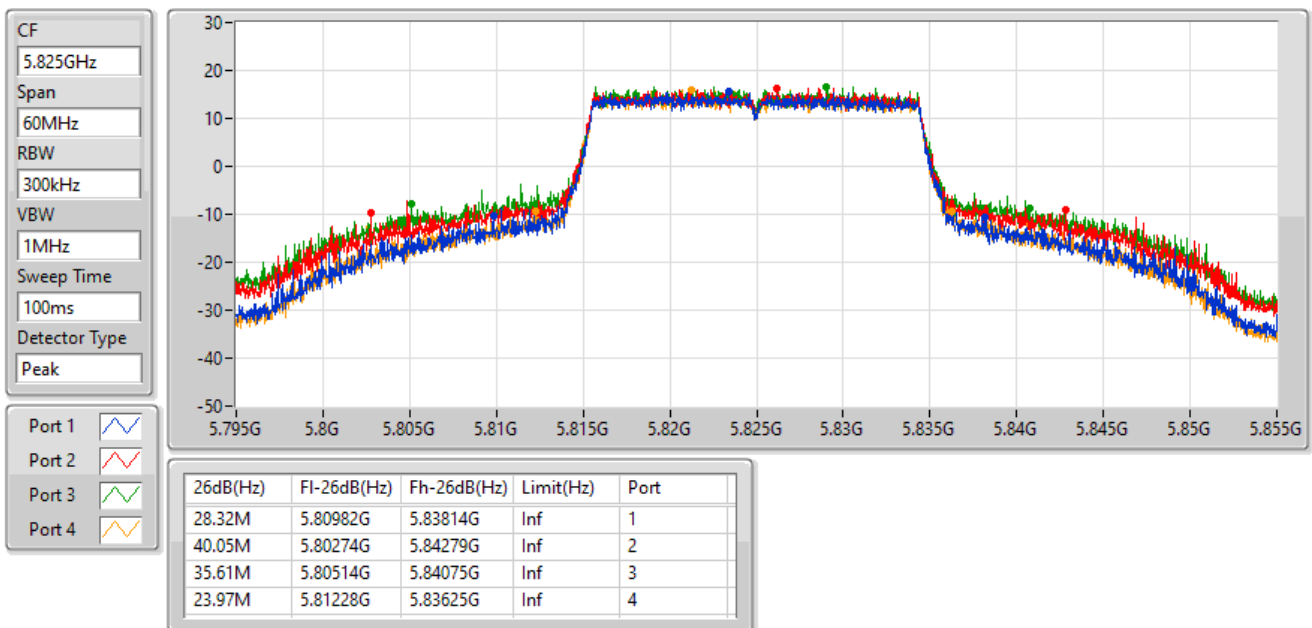


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

04/08/2022



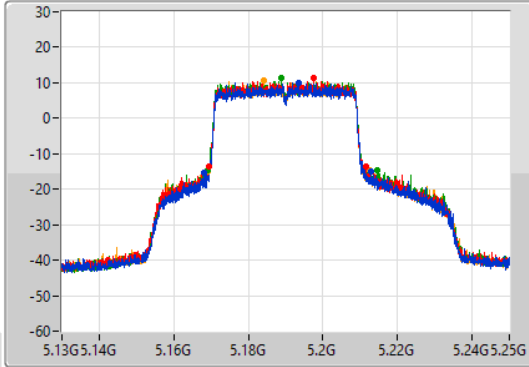
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

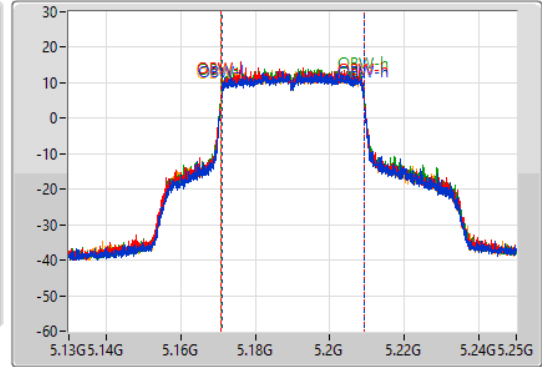
5190MHz

04/08/2022

CF
5.19GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.19GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45M	5.16804G	5.21304G	38.141M	5.17099G	5.20913G	Inf	1
42.12M	5.1693G	5.21142G	38.141M	5.17093G	5.20907G	Inf	2
45.48M	5.16906G	5.21454G	38.141M	5.17093G	5.20907G	Inf	3
43.56M	5.16912G	5.21268G	38.201M	5.17093G	5.20913G	Inf	4

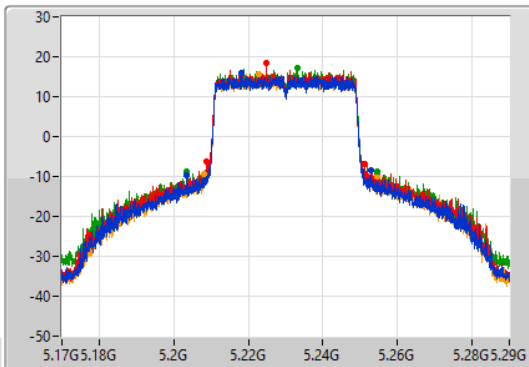
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

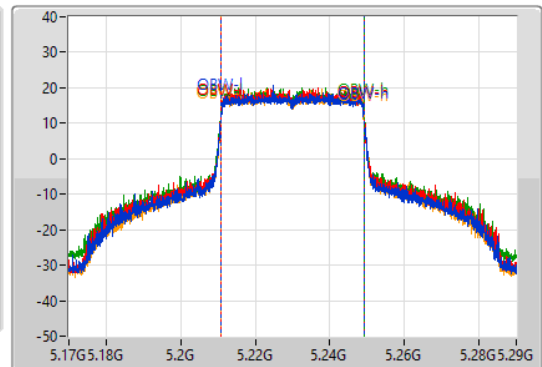
5230MHz

04/08/2022

CF
5.23GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.23GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
49.26M	5.20348G	5.25274G	38.261M	5.21087G	5.24913G	Inf	1
42.36M	5.2087G	5.25106G	38.261M	5.21087G	5.24913G	Inf	2
50.94M	5.20348G	5.25442G	38.321M	5.21087G	5.24919G	Inf	3
46.38M	5.2081G	5.25448G	38.201M	5.21087G	5.24907G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

04/08/2022

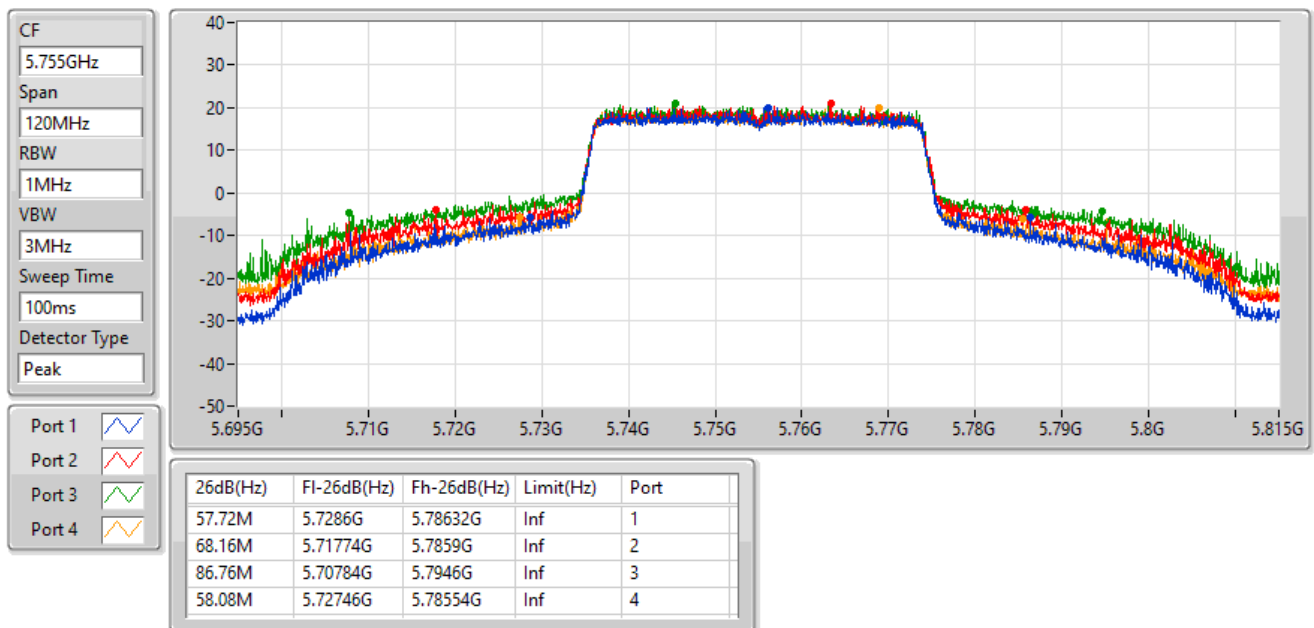


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

04/08/2022



802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5795MHz

04/08/2022

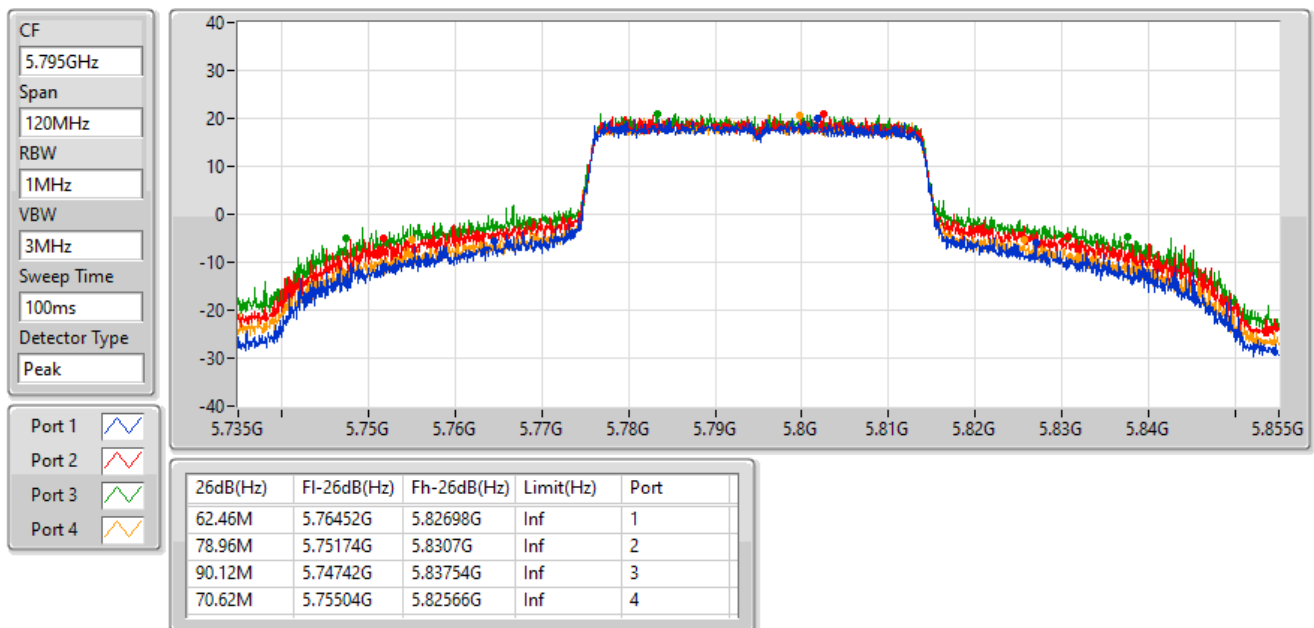


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5795MHz

04/08/2022

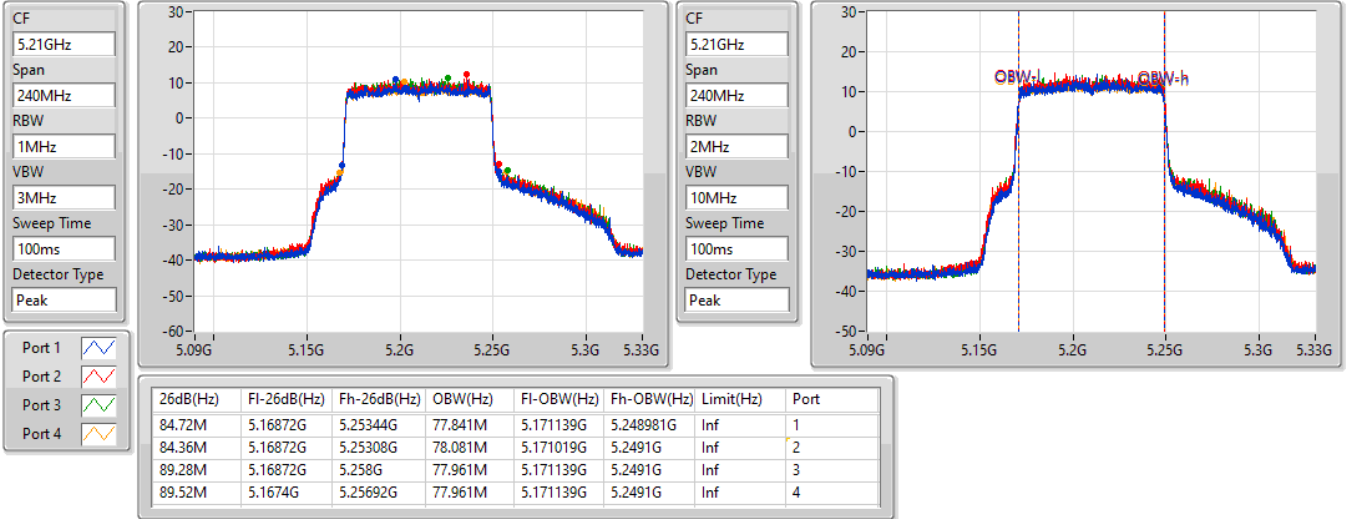


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5210MHz

04/08/2022

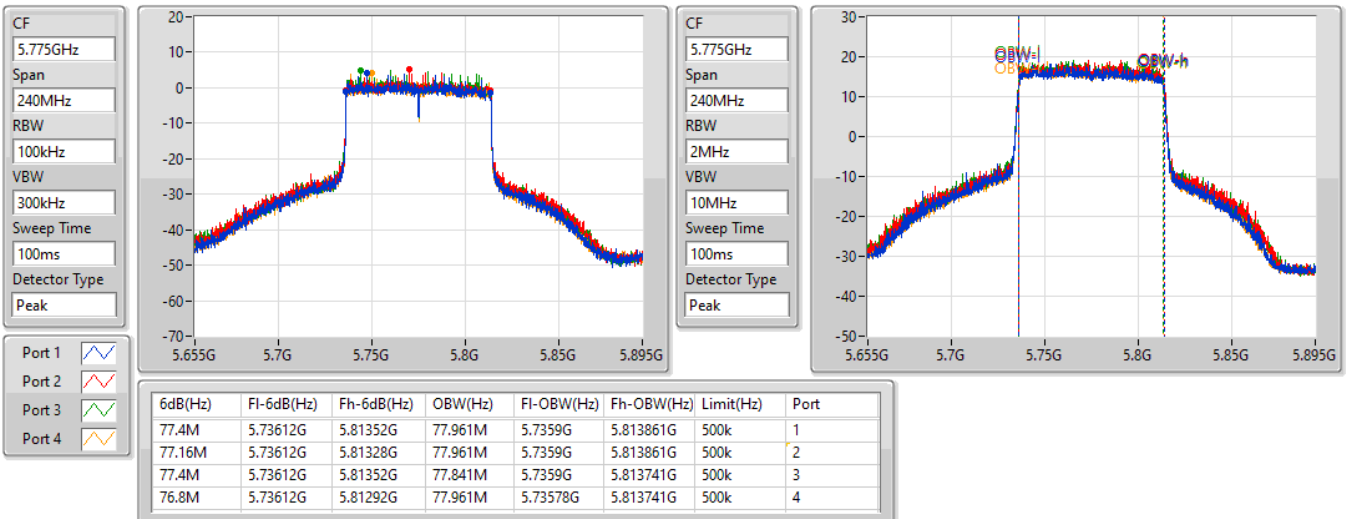


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz

04/08/2022



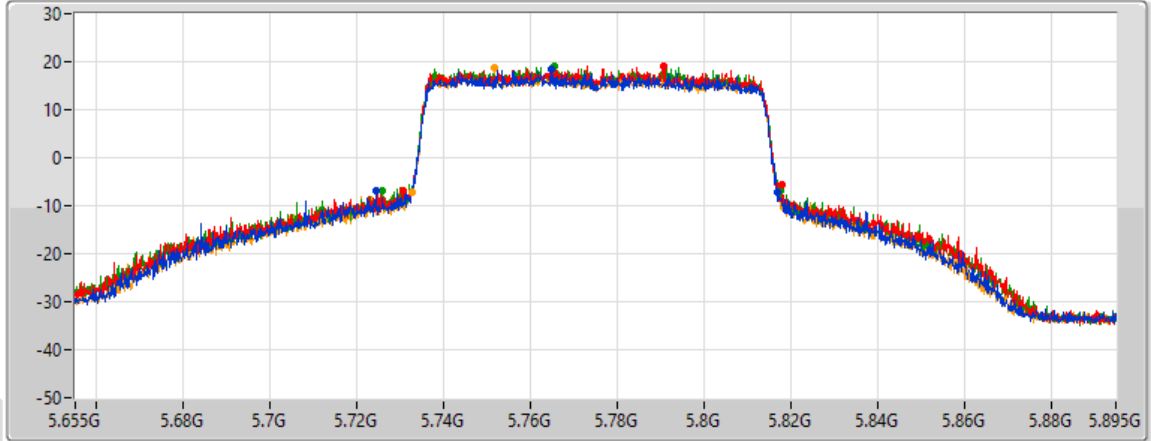
802.11ax HEW80_Nss1,(MCS0)_4TX





EBW

5775MHz

04/08/2022

CF
 5.775GHz
 Span
 240MHz
 RBW
 2MHz
 VBW
 10MHz
 Sweep Time
 100ms
 Detector Type
 Peak



Port 1 
 Port 2 
 Port 3 
 Port 4 

26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
92.88M	5.72424G	5.81712G	Inf	1
87.48M	5.73048G	5.81796G	Inf	2
91.92M	5.72568G	5.8176G	Inf	3
84.36M	5.73276G	5.81712G	Inf	4



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	25.77	0.37757
802.11ax HEW20_Nss1,(MCS0)_4TX	26.51	0.44771
802.11ax HEW40_Nss1,(MCS0)_4TX	29.19	0.82985
802.11ax HEW80_Nss1,(MCS0)_4TX	23.15	0.20654
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.83	0.96161
802.11ax HEW20_Nss1,(MCS0)_4TX	29.93	0.98401
802.11ax HEW40_Nss1,(MCS0)_4TX	29.91	0.97949
802.11ax HEW80_Nss1,(MCS0)_4TX	27.84	0.60814



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	4.38	19.35	20.21	19.35	19.86	25.73	30.00
5200MHz	Pass	4.38	19.30	20.14	19.96	19.56	25.77	30.00
5240MHz	Pass	4.38	19.38	19.81	20.11	19.59	25.75	30.00
5745MHz	Pass	5.91	22.73	23.59	23.90	22.67	29.28	30.00
5785MHz	Pass	5.91	23.28	24.01	24.32	23.55	29.83	30.00
5825MHz	Pass	5.91	22.66	23.14	23.21	22.35	28.87	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.38	20.02	20.63	20.67	20.34	26.44	30.00
5200MHz	Pass	4.38	19.75	20.26	20.55	20.39	26.27	30.00
5240MHz	Pass	4.38	20.11	20.77	20.84	20.19	26.51	30.00
5745MHz	Pass	5.91	23.53	24.18	24.35	23.51	29.93	30.00
5785MHz	Pass	5.91	23.31	24.18	24.34	23.46	29.87	30.00
5825MHz	Pass	5.91	22.95	23.32	23.09	22.81	29.07	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.38	16.84	17.45	17.68	17.09	23.30	30.00
5230MHz	Pass	4.38	22.76	23.50	23.60	22.73	29.19	30.00
5755MHz	Pass	5.91	23.57	24.02	24.30	23.61	29.91	30.00
5795MHz	Pass	5.91	23.29	23.89	24.37	23.49	29.80	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.38	16.84	17.47	17.40	16.74	23.15	30.00
5775MHz	Pass	5.91	21.33	22.22	22.25	21.39	27.84	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	12.96
802.11ax HEW20_Nss1,(MCS0)_4TX	13.02
802.11ax HEW40_Nss1,(MCS0)_4TX	12.78
802.11ax HEW80_Nss1,(MCS0)_4TX	4.16
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.31
802.11ax HEW20_Nss1,(MCS0)_4TX	14.82
802.11ax HEW40_Nss1,(MCS0)_4TX	12.01
802.11ax HEW80_Nss1,(MCS0)_4TX	7.31

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	9.97	6.62	7.21	7.31	6.97	12.91	13.03
5200MHz	Pass	9.97	6.61	7.32	7.37	6.79	12.96	13.03
5240MHz	Pass	9.97	6.55	6.86	7.38	6.64	12.81	13.03
5745MHz	Pass	11.29	8.36	9.20	9.43	8.28	14.75	24.71
5785MHz	Pass	11.29	8.83	9.73	9.92	9.00	15.31	24.71
5825MHz	Pass	11.29	8.27	8.90	8.72	8.20	14.44	24.71
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.97	6.61	7.06	7.35	6.99	12.91	13.03
5200MHz	Pass	9.97	6.38	7.08	7.27	6.79	12.80	13.03
5240MHz	Pass	9.97	6.76	7.26	7.47	6.83	13.02	13.03
5745MHz	Pass	11.29	8.50	9.25	9.27	8.49	14.82	24.71
5785MHz	Pass	11.29	8.45	9.14	9.20	8.39	14.70	24.71
5825MHz	Pass	11.29	7.87	8.41	8.69	7.83	14.08	24.71
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.97	0.66	1.09	1.47	0.99	6.99	13.03
5230MHz	Pass	9.97	6.51	7.01	7.38	6.53	12.78	13.03
5755MHz	Pass	11.29	5.76	6.17	6.67	5.72	12.01	24.71
5795MHz	Pass	11.29	5.54	6.12	6.64	5.67	11.92	24.71
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.97	-1.91	-1.56	-1.43	-2.08	4.16	13.03
5775MHz	Pass	11.29	1.04	1.69	1.82	0.94	7.31	24.71

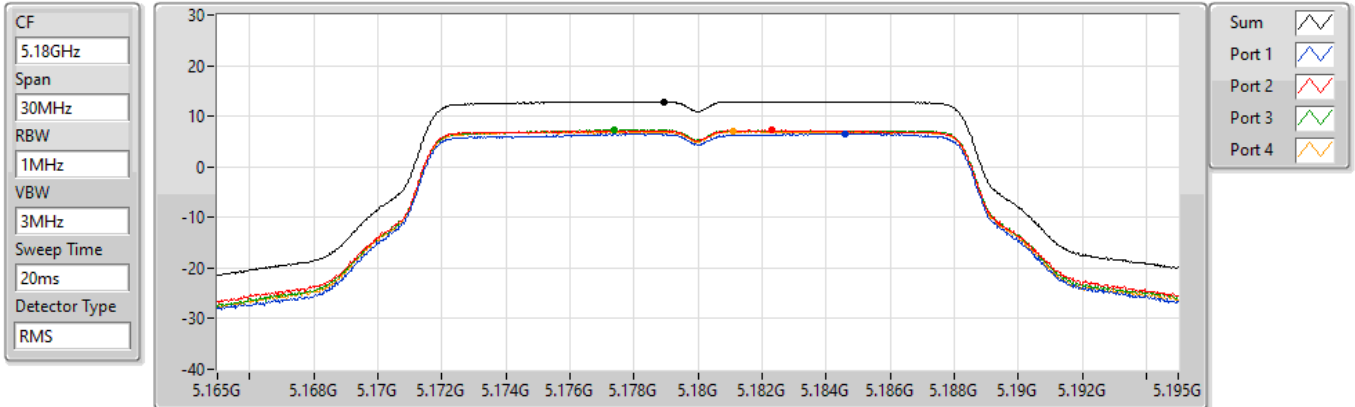
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

04/08/2022



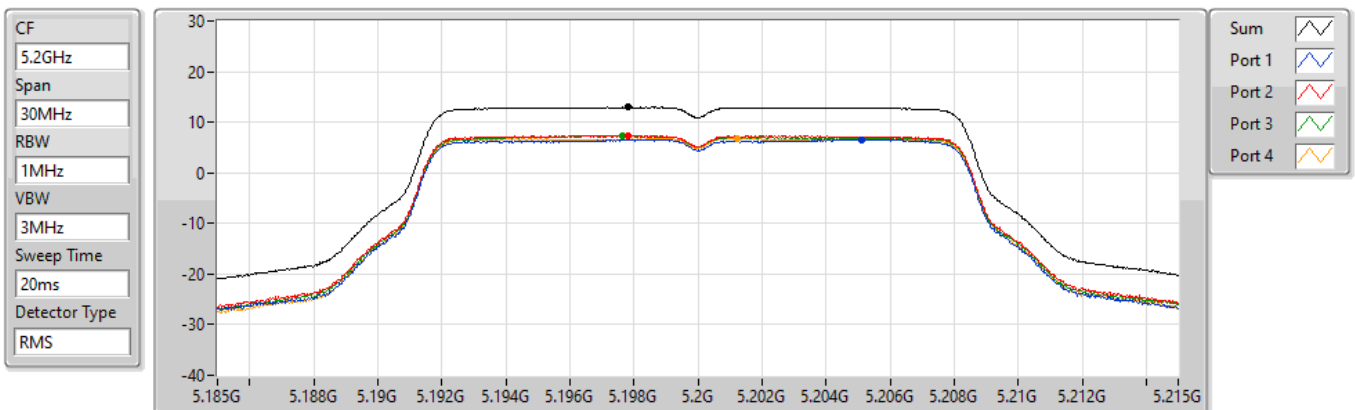
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.91	12.91	6.62	7.21	7.31	6.97

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

04/08/2022



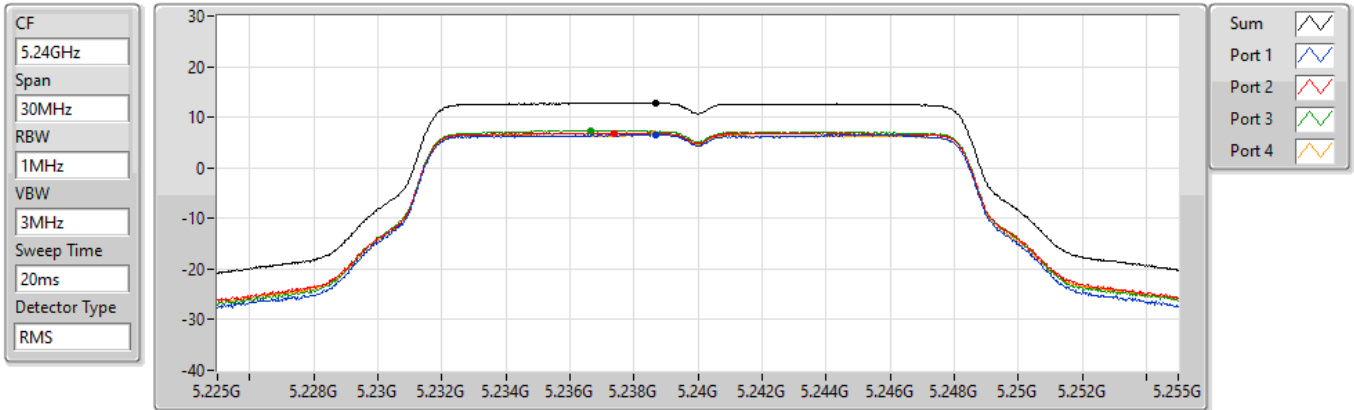
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.96	12.96	6.61	7.32	7.37	6.79

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

04/08/2022



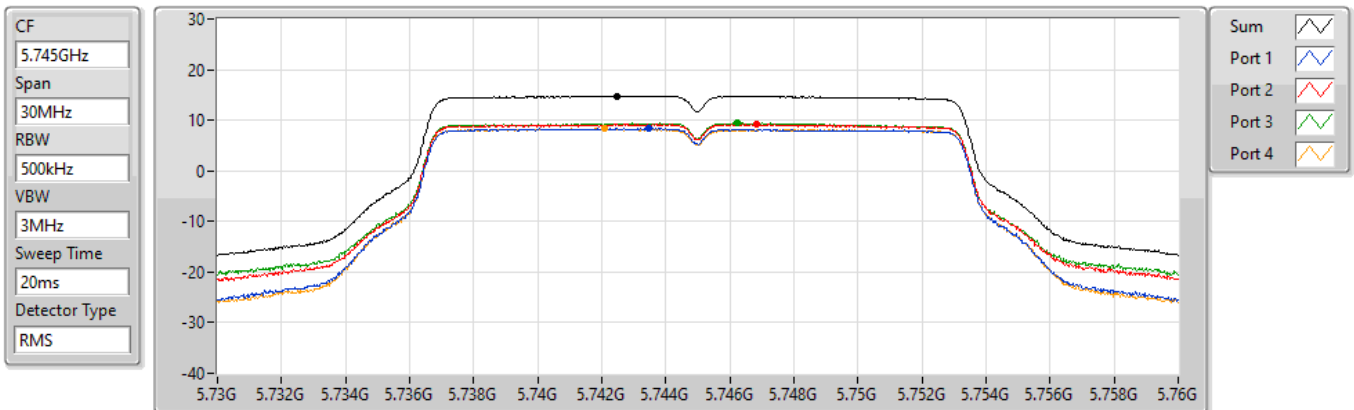
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.81	12.81	6.55	6.86	7.38	6.64

802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

04/08/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.75	14.75	8.36	9.20	9.43	8.28

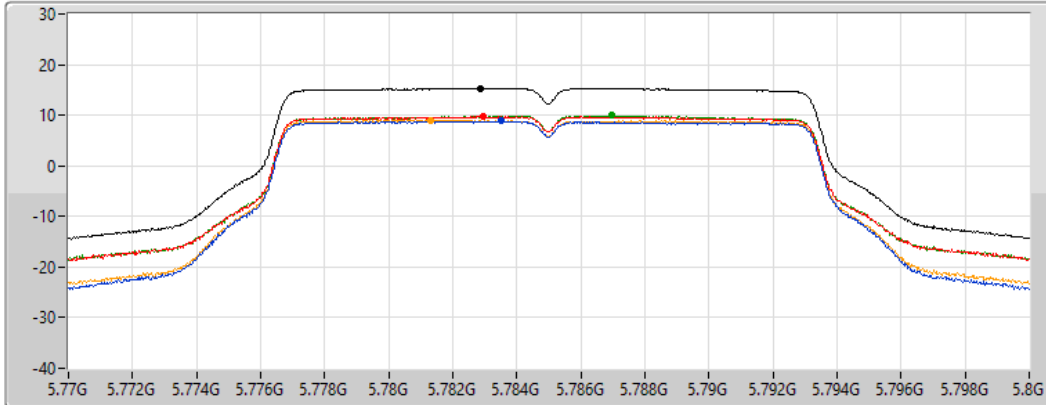
802.11a_Nss1,(6Mbps)_4TX






PSD

5785MHz

04/08/2022

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 
Port 3 
Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.31	15.31	8.83	9.73	9.92	9.00

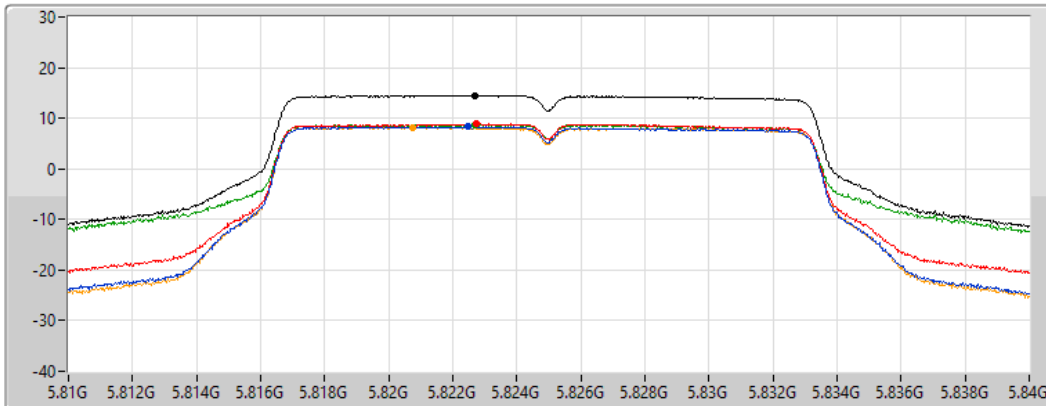
802.11a_Nss1,(6Mbps)_4TX






PSD

5825MHz

04/08/2022

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 
Port 3 
Port 4 

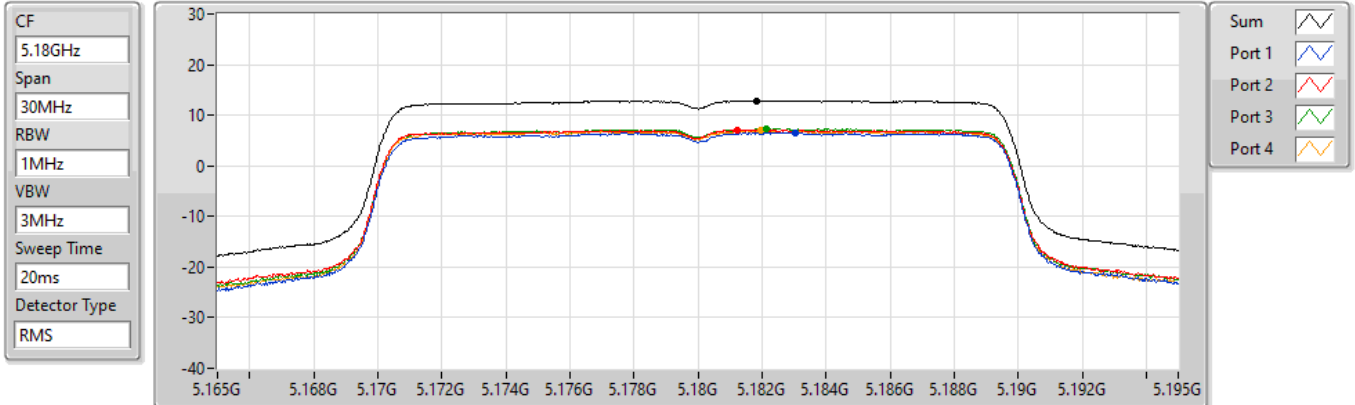
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.44	14.44	8.27	8.90	8.72	8.20

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

04/08/2022



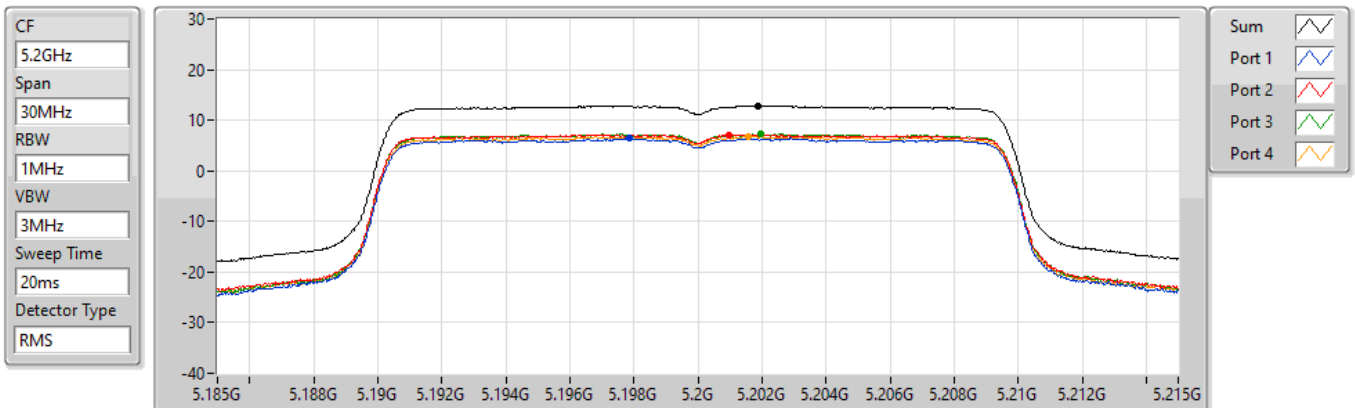
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.91	12.91	6.61	7.06	7.35	6.99

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

04/08/2022



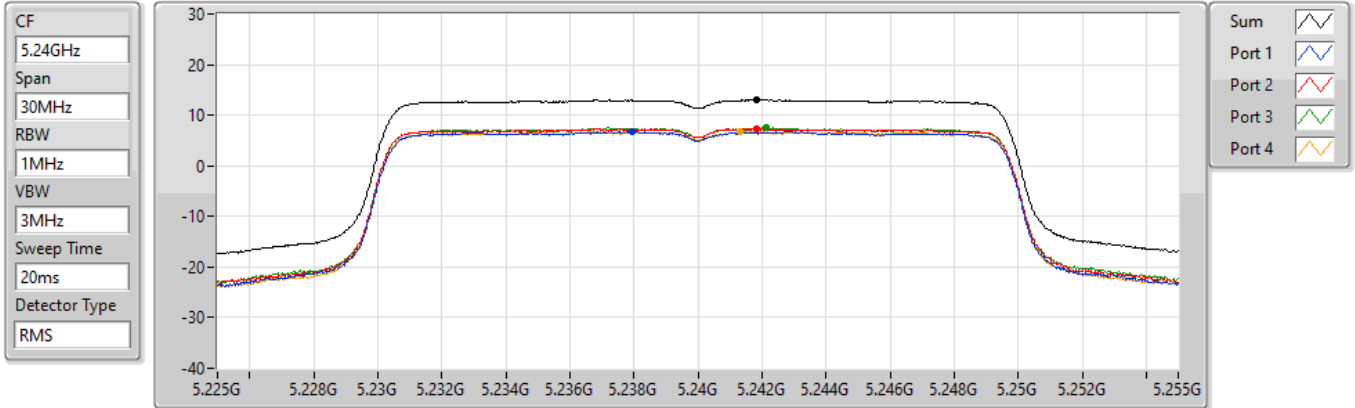
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.80	12.80	6.38	7.08	7.27	6.79

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

04/08/2022



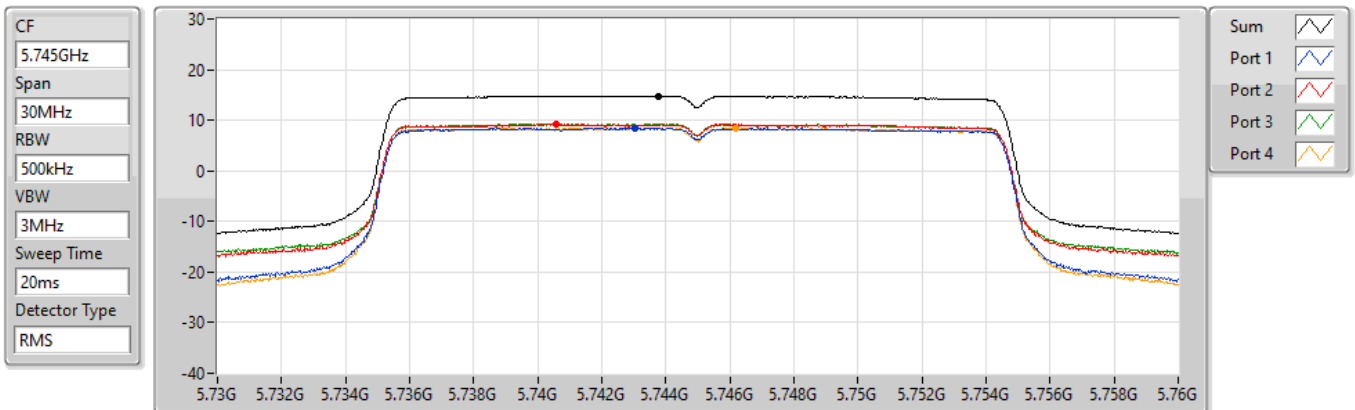
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.02	13.02	6.76	7.26	7.47	6.83

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

04/08/2022



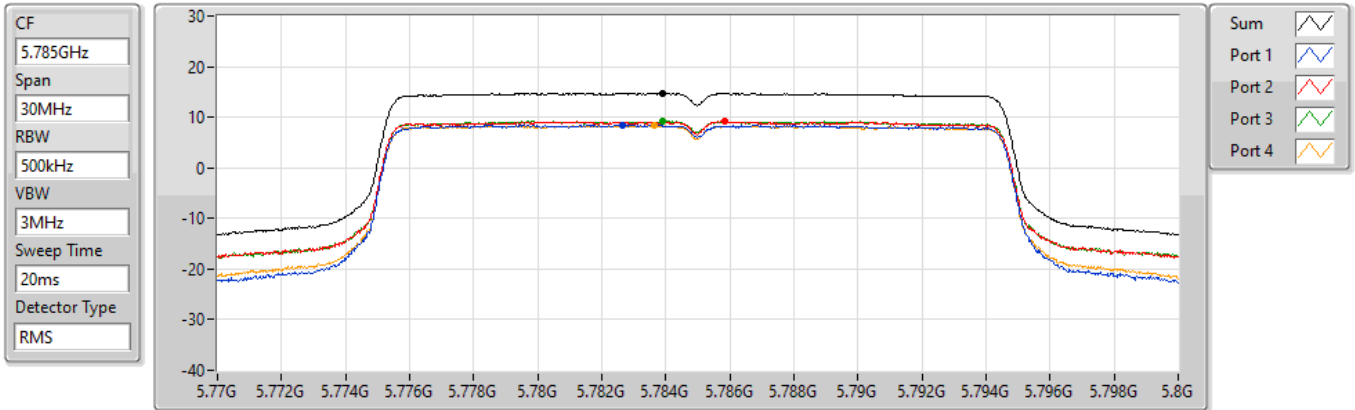
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.82	14.82	8.50	9.25	9.27	8.49

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

04/08/2022



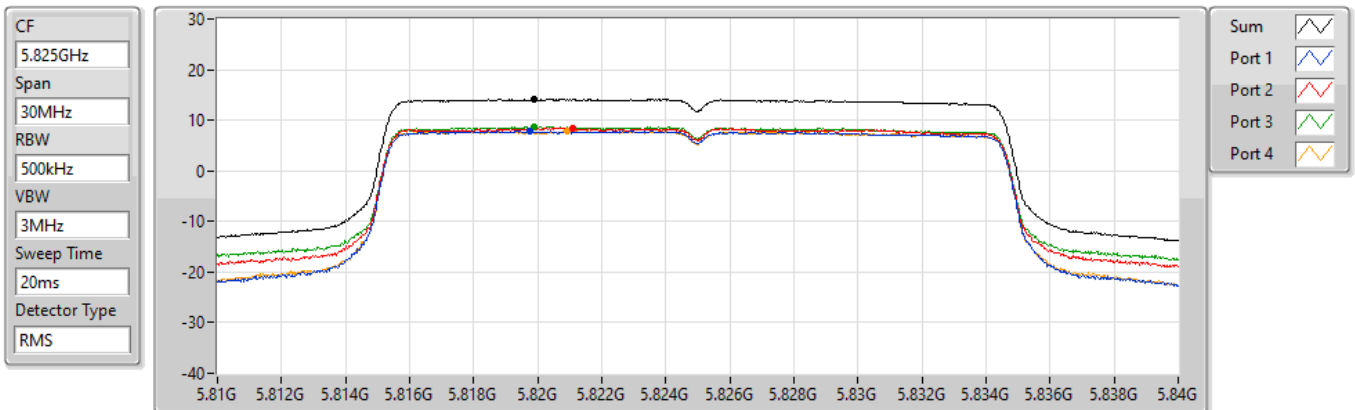
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.70	14.70	8.45	9.14	9.20	8.39

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

04/08/2022



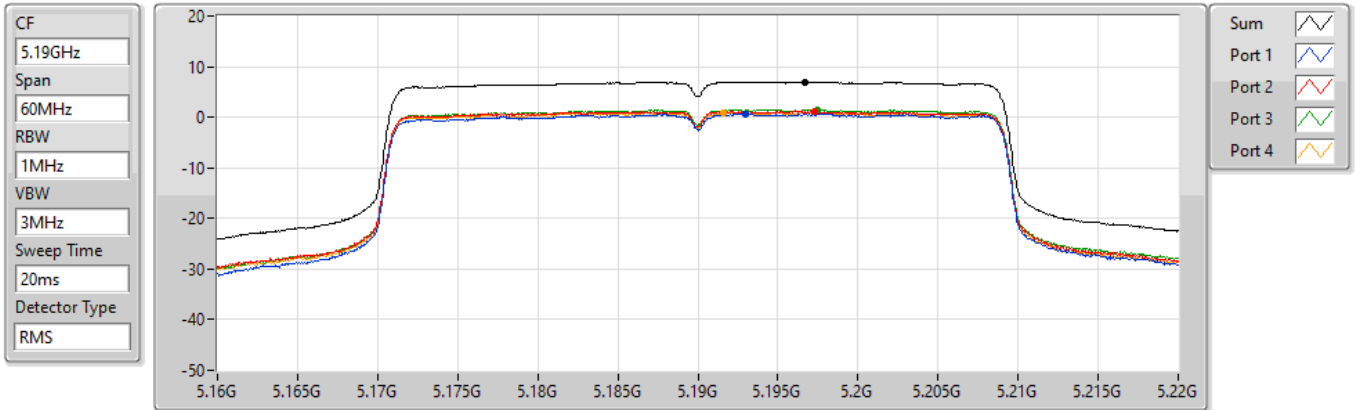
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.08	14.08	7.87	8.41	8.69	7.83

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

04/08/2022



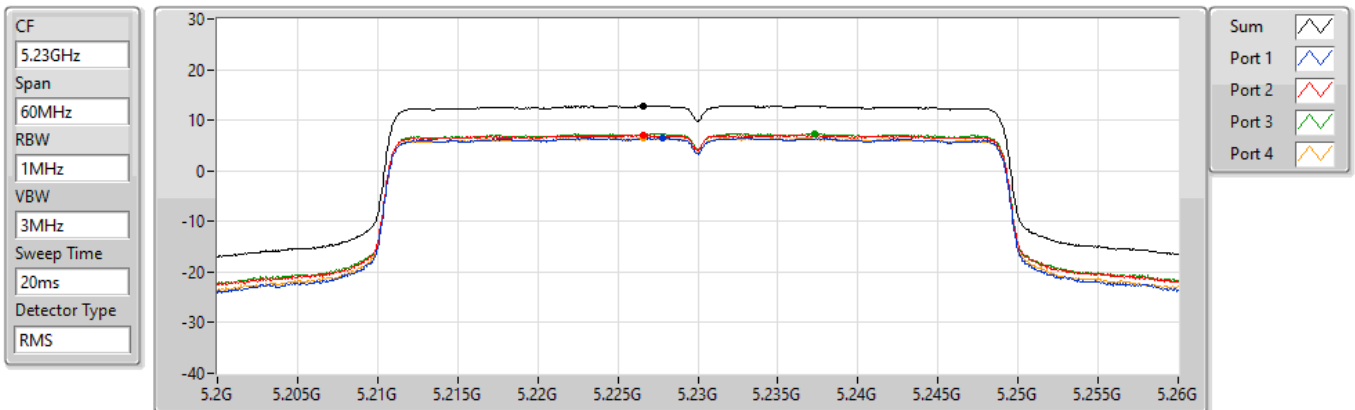
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.99	6.99	0.66	1.09	1.47	0.99

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

04/08/2022



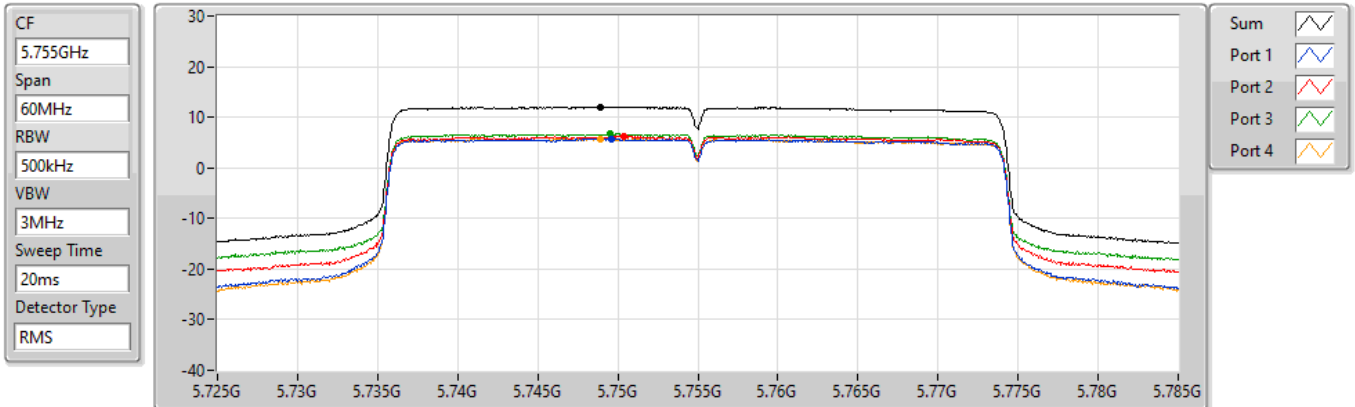
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.78	12.78	6.51	7.01	7.38	6.53

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

04/08/2022

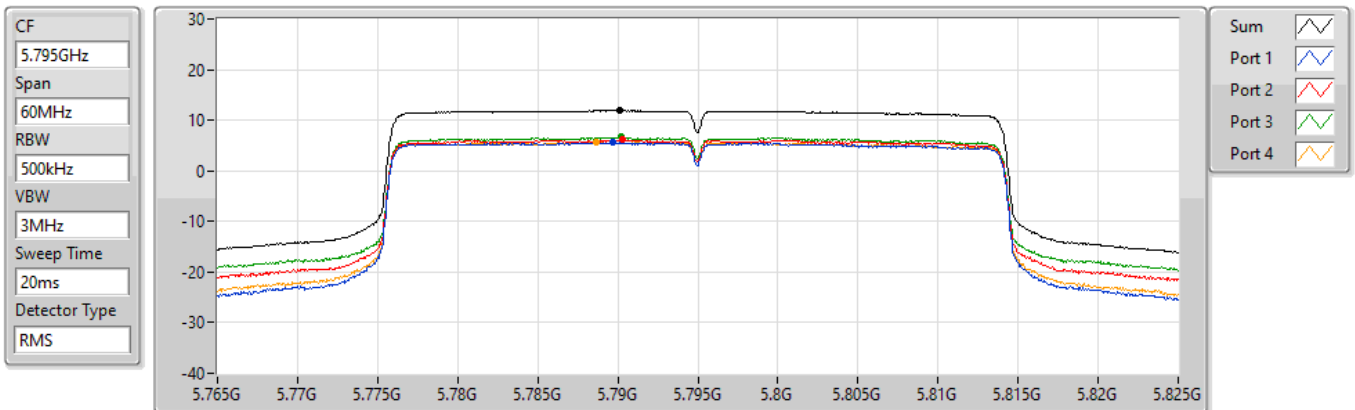


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

04/08/2022

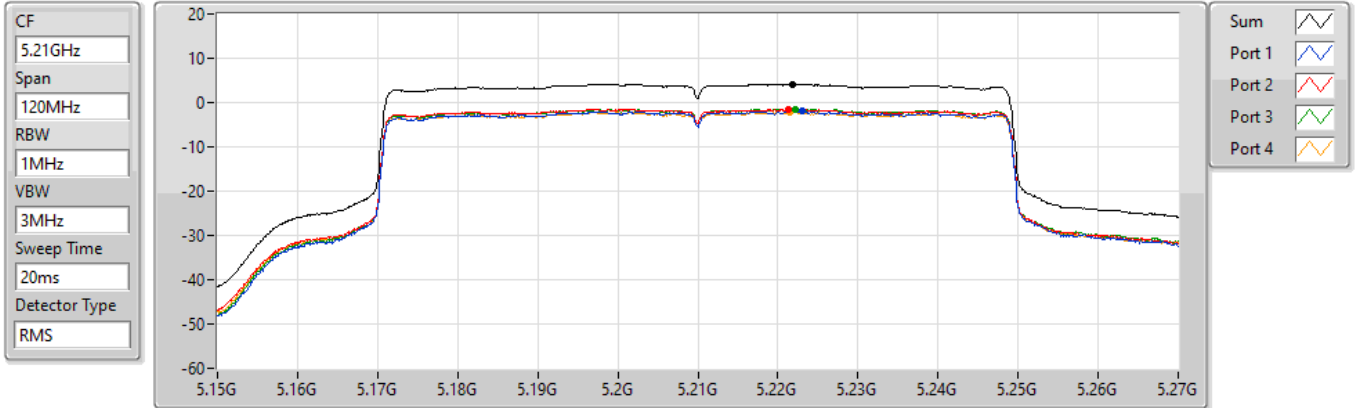


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

04/08/2022



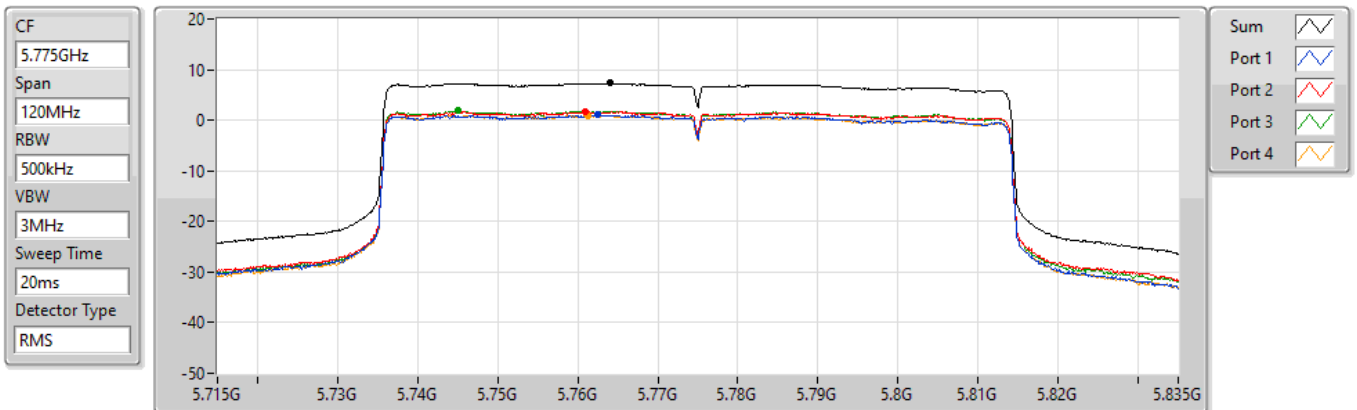
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.16	4.16	-1.91	-1.56	-1.43	-2.08

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

04/08/2022



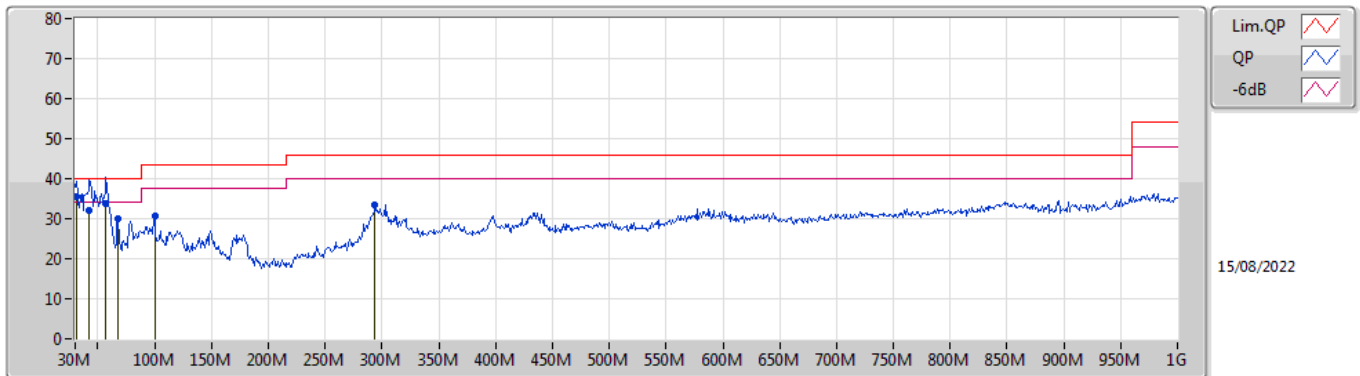
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.31	7.31	1.04	1.69	1.82	0.94



Summary

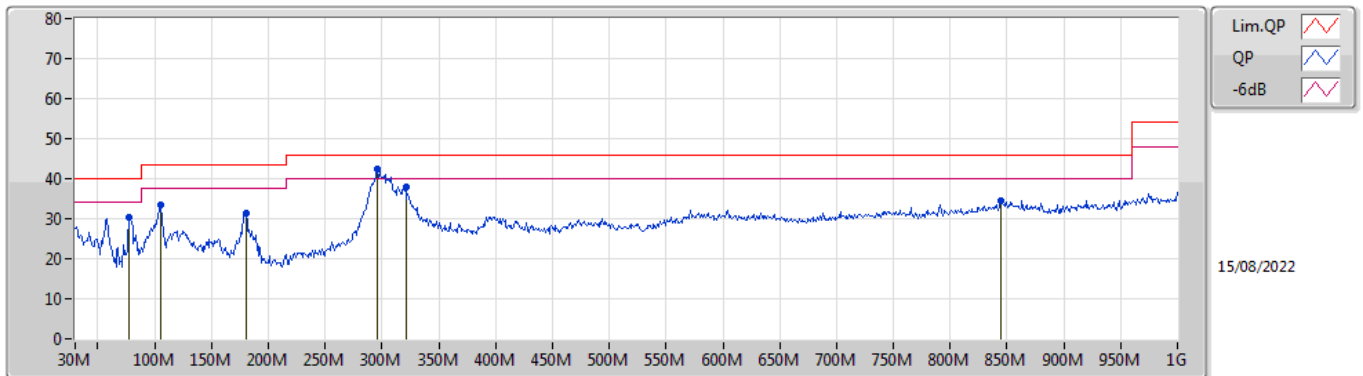
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	295.78M	42.40	46.00	-3.60	Horizontal

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	30.97M	35.47	40.00	-4.53	-7.41	3	Vertical	87	1.00	"Worst"	42.88	24.02	1.00	32.43
QP	42.61M	32.07	40.00	-7.93	-13.58	3	Vertical	339	1.00	-	45.65	17.74	1.15	32.47
QP	57.16M	33.74	40.00	-6.26	-18.48	3	Vertical	272	1.00	-	52.22	12.65	1.34	32.47
PK	67.83M	30.16	40.00	-9.84	-18.62	3	Vertical	125	2.00	-	48.78	12.35	1.46	32.43
PK	99.84M	30.77	43.50	-12.73	-13.92	3	Vertical	222	1.00	-	44.69	16.62	1.80	32.34
PK	293.84M	33.61	46.00	-12.39	-10.24	3	Vertical	154	1.25	-	43.85	18.96	3.16	32.36

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	77.53M	30.26	40.00	-9.74	-18.09	3	Horizontal	61	2.00	-	48.35	12.76	1.55	32.40
PK	105.66M	33.45	43.50	-10.05	-13.20	3	Horizontal	275	3.00	-	46.65	17.30	1.86	32.36
PK	180.35M	31.51	43.50	-11.99	-14.57	3	Horizontal	20	1.25	-	46.08	15.18	2.50	32.25
PK	295.78M	42.40	46.00	-3.60	-10.20	3	Horizontal	211	1.00	"Worst"	52.60	18.99	3.17	32.36
PK	321M	37.96	46.00	-8.04	-9.49	3	Horizontal	359	1.00	-	47.45	19.46	3.33	32.28
PK	844.8M	34.48	46.00	-11.52	0.17	3	Horizontal	319	1.25	-	34.31	26.12	5.68	31.63

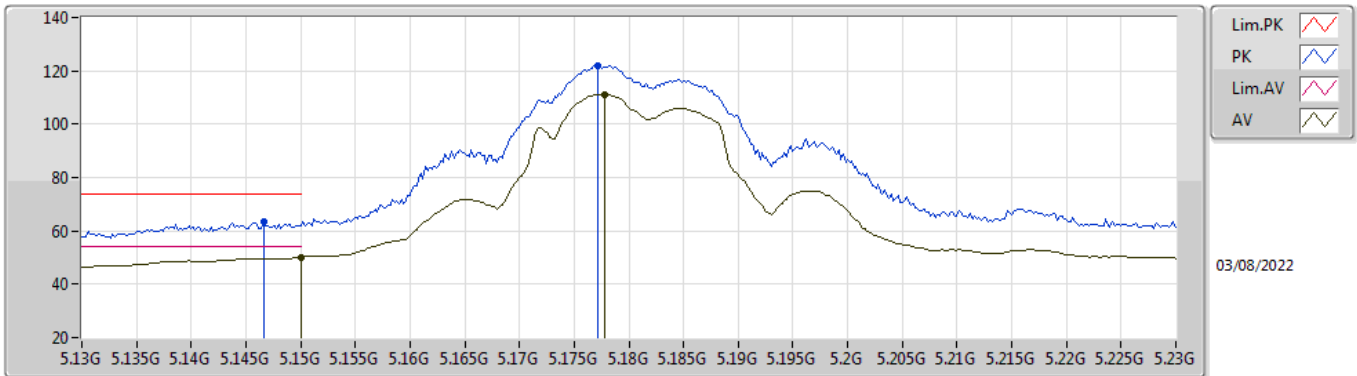


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	AV	5.1492G	53.89	54.00	-0.11	3	Vertical	349	2.24	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

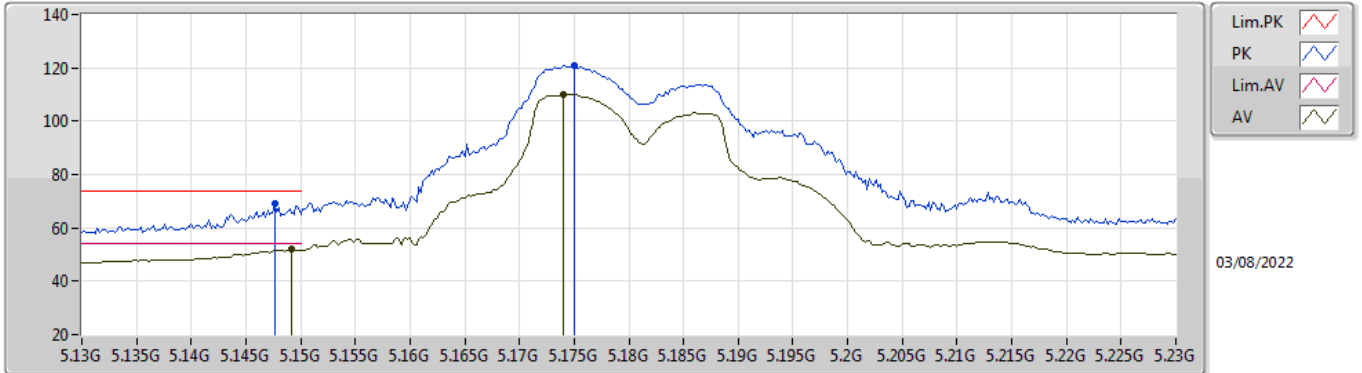


EUT Y_4TX
Setting 92
02-F-G-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1466G	63.61	74.00	-10.39	55.50	3	Vertical	38	2.15	-	33.59	5.25	30.73
AV	5.15G	50.23	54.00	-3.77	42.11	3	Vertical	38	2.15	-	33.60	5.25	30.73
PK	5.1772G	122.05	Inf	-Inf	113.85	3	Vertical	38	2.15	-	33.65	5.28	30.73
AV	5.1778G	111.20	Inf	-Inf	102.99	3	Vertical	38	2.15	-	33.66	5.28	30.73

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

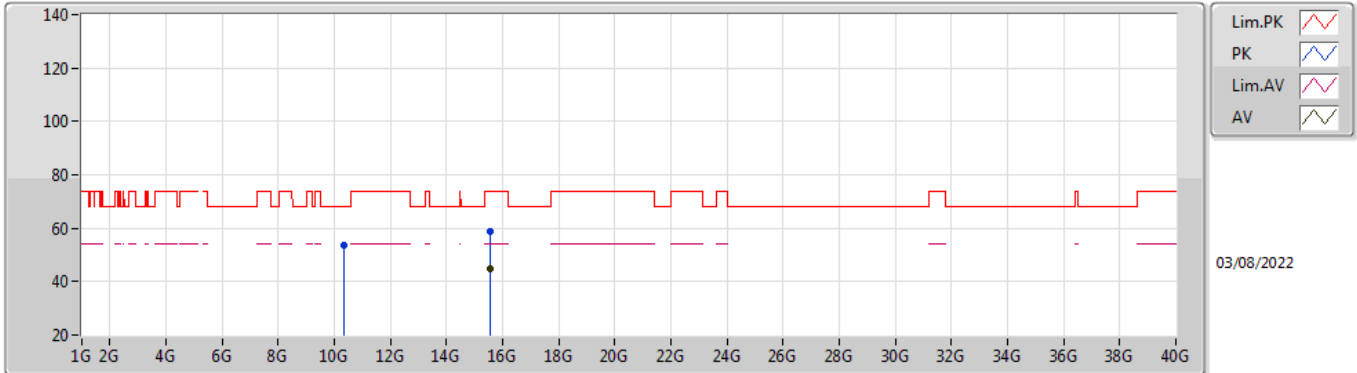


EUT Y_4TX
Setting 92
02-F-G-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1476G	69.28	74.00	-4.72	61.16	3	Horizontal	11	1.80	-	33.60	5.25	30.73
AV	5.1492G	52.01	54.00	-1.99	43.89	3	Horizontal	11	1.80	-	33.60	5.25	30.73
PK	5.175G	120.69	Inf	-Inf	112.50	3	Horizontal	11	1.80	-	33.65	5.27	30.73
AV	5.174G	109.96	Inf	-Inf	101.77	3	Horizontal	11	1.80	-	33.65	5.27	30.73

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

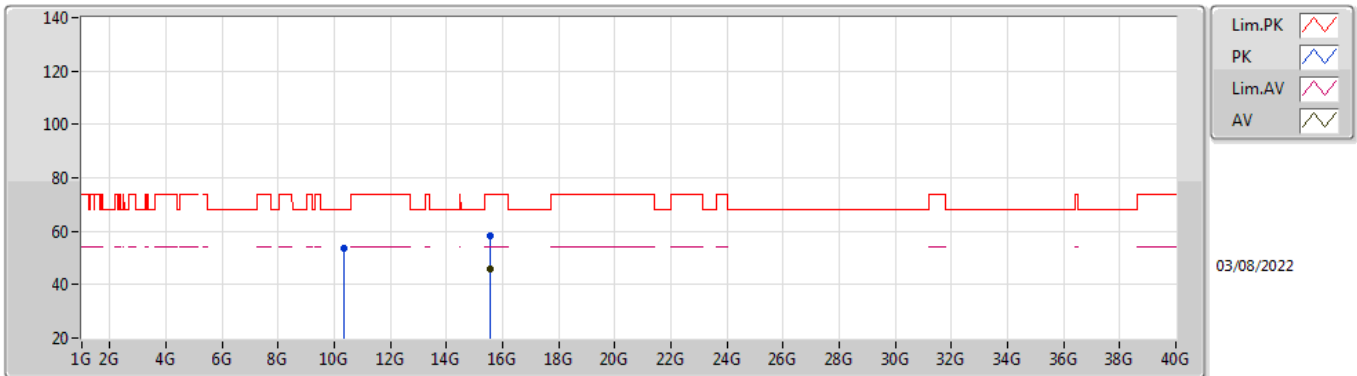


EUT Y_4TX
Setting 92
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.35048G	53.76	68.20	-14.44	39.50	3	Vertical	2	1.97	-	38.65	7.44	31.83
PK	15.54816G	58.67	74.00	-15.33	42.42	3	Vertical	359	2.94	-	37.81	9.80	31.36
AV	15.53336G	45.02	54.00	-8.98	28.68	3	Vertical	359	2.94	-	37.90	9.79	31.35

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

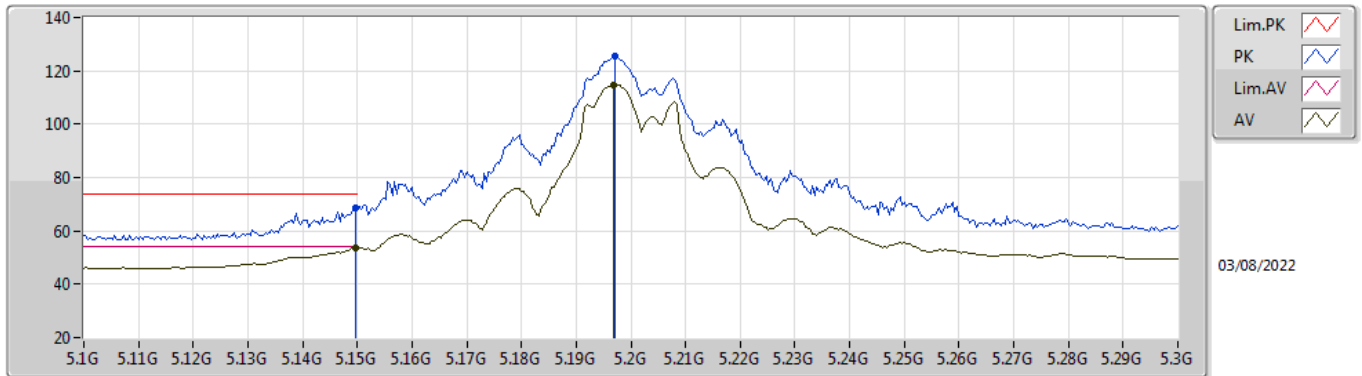


EUT Y_4TX
Setting 92
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.35256G	53.47	68.20	-14.73	39.21	3	Horizontal	28	1.54	-	38.65	7.44	31.83
PK	15.54832G	58.38	74.00	-15.62	42.13	3	Horizontal	211	2.06	-	37.81	9.80	31.36
AV	15.54336G	45.66	54.00	-8.34	29.38	3	Horizontal	211	2.06	-	37.84	9.79	31.35

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

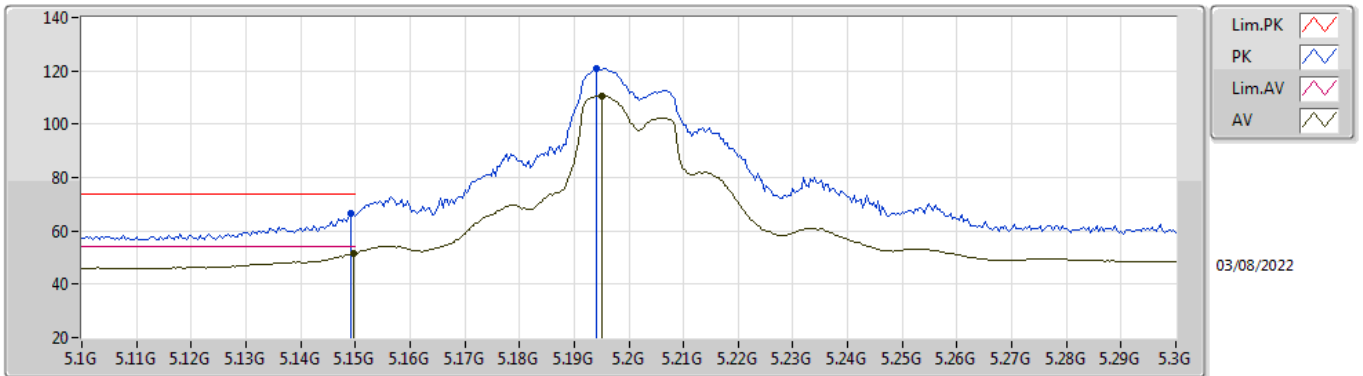


EUT Y_4TX
Setting 98
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	68.76	74.00	-5.24	60.64	3	Vertical	347	2.22	-	33.60	5.25	30.73
AV	5.1496G	53.76	54.00	-0.24	45.64	3	Vertical	347	2.22	-	33.60	5.25	30.73
PK	5.1972G	125.27	Inf	-Inf	117.01	3	Vertical	347	2.22	-	33.69	5.30	30.73
AV	5.1968G	114.79	Inf	-Inf	106.53	3	Vertical	347	2.22	-	33.69	5.30	30.73

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

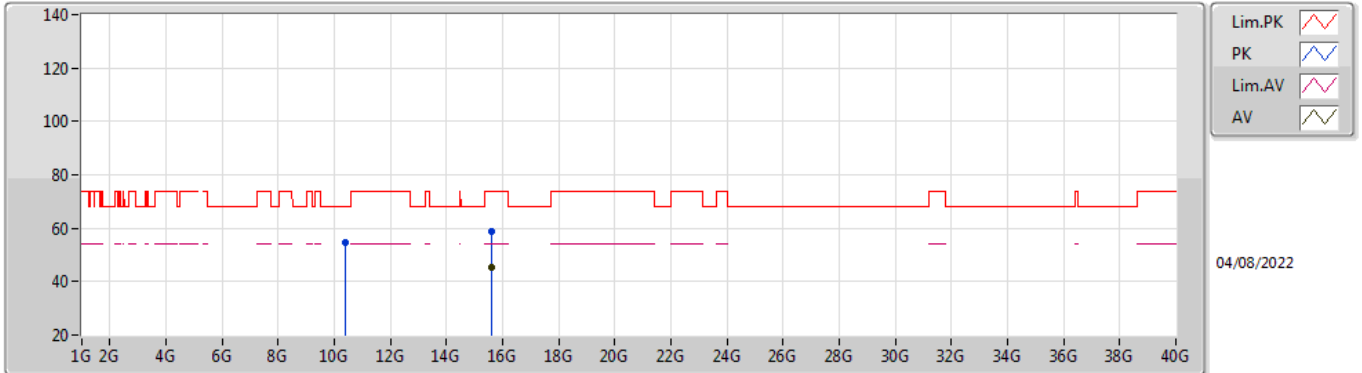


EUT Y_4TX
Setting 98
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1492G	66.65	74.00	-7.35	58.53	3	Horizontal	14	2.02	-	33.60	5.25	30.73
AV	5.1496G	51.50	54.00	-2.50	43.38	3	Horizontal	14	2.02	-	33.60	5.25	30.73
PK	5.194G	120.77	Inf	-Inf	112.52	3	Horizontal	14	2.02	-	33.69	5.29	30.73
AV	5.1952G	110.61	Inf	-Inf	102.35	3	Horizontal	14	2.02	-	33.69	5.30	30.73

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

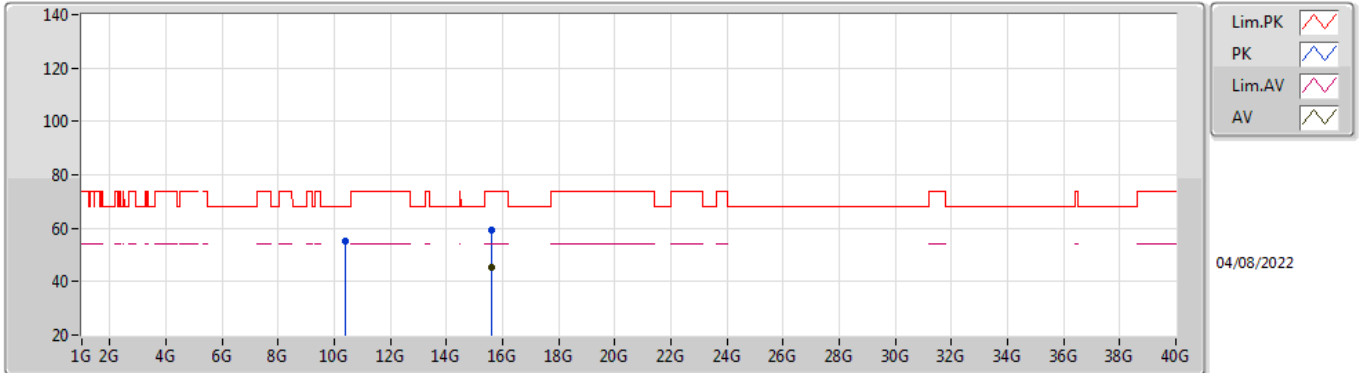


EUT Y_4TX
Setting 98
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40152G	54.68	68.20	-13.52	40.45	3	Vertical	98	2.69	-	38.60	7.46	31.83
PK	15.60312G	59.05	74.00	-14.95	43.11	3	Vertical	41	2.02	-	37.50	9.82	31.38
AV	15.60152G	45.31	54.00	-8.69	29.37	3	Vertical	41	2.02	-	37.50	9.82	31.38

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

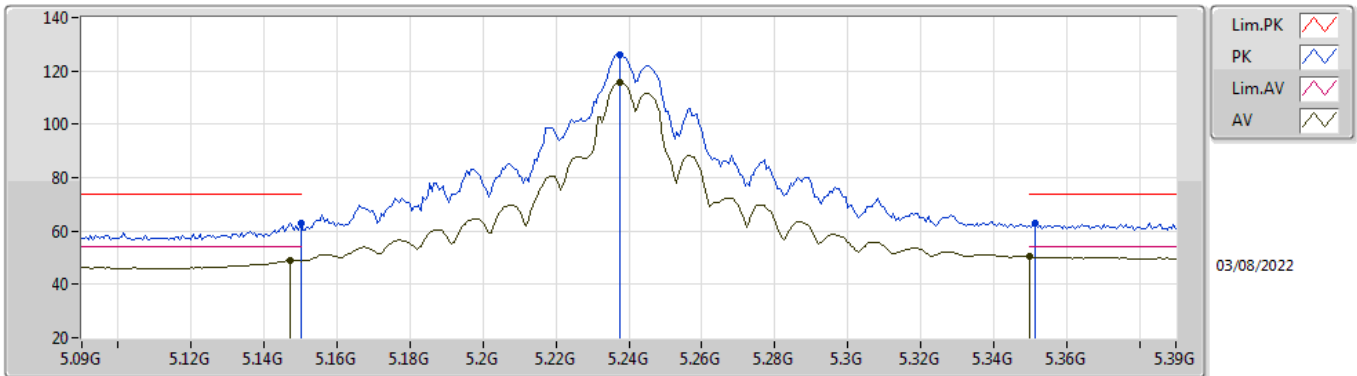


EUT Y_4TX
Setting 98
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.39976G	54.99	68.20	-13.21	40.76	3	Horizontal	205	2.84	-	38.60	7.46	31.83
PK	15.60428G	59.14	74.00	-14.86	43.20	3	Horizontal	235	2.51	-	37.50	9.82	31.38
AV	15.60616G	45.37	54.00	-8.63	29.44	3	Horizontal	235	2.51	-	37.50	9.82	31.39

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

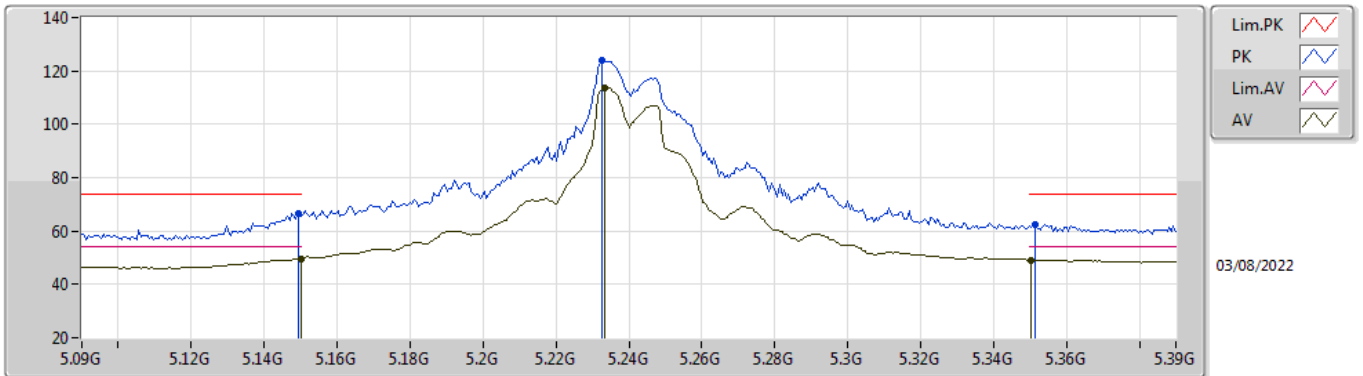


EUT_V_4TX
Setting 105
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	62.94	74.00	-11.06	54.82	3	Vertical	40	1.68	-	33.60	5.25	30.73
AV	5.147G	48.94	54.00	-5.06	40.83	3	Vertical	40	1.68	-	33.59	5.25	30.73
PK	5.2376G	126.06	Inf	-Inf	117.77	3	Vertical	40	1.68	-	33.70	5.32	30.73
AV	5.2376G	115.82	Inf	-Inf	107.53	3	Vertical	40	1.68	-	33.70	5.32	30.73
PK	5.3516G	63.03	74.00	-10.97	54.47	3	Vertical	40	1.68	-	33.90	5.38	30.72
AV	5.35G	50.30	54.00	-3.70	41.74	3	Vertical	40	1.68	-	33.90	5.38	30.72

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

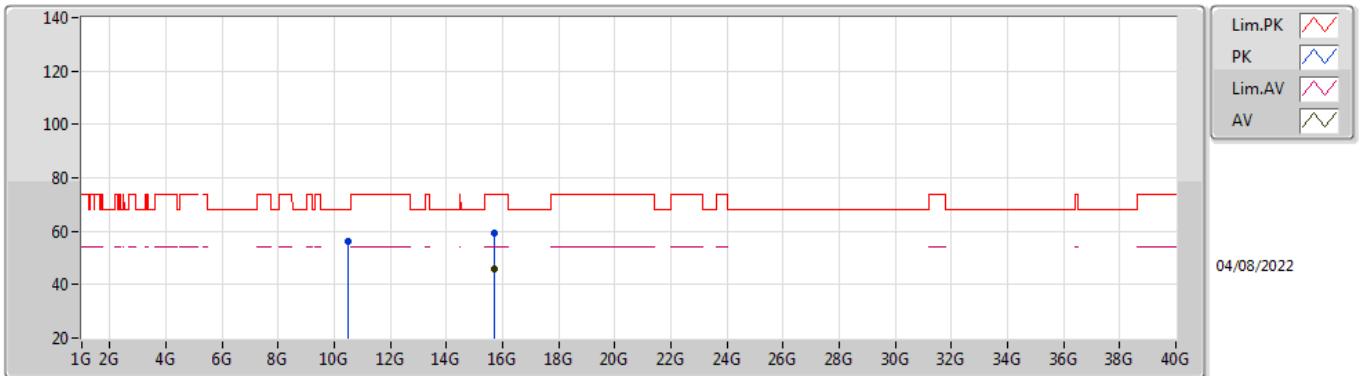


EUT_V_4TX
Setting 105
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1494G	66.59	74.00	-7.41	58.47	3	Horizontal	13	1.61	-	33.60	5.25	30.73
AV	5.15G	49.74	54.00	-4.26	41.62	3	Horizontal	13	1.61	-	33.60	5.25	30.73
PK	5.2328G	123.83	Inf	-Inf	115.54	3	Horizontal	13	1.61	-	33.70	5.32	30.73
AV	5.2334G	113.62	Inf	-Inf	105.33	3	Horizontal	13	1.61	-	33.70	5.32	30.73
PK	5.3516G	62.38	74.00	-11.62	53.82	3	Horizontal	13	1.61	-	33.90	5.38	30.72
AV	5.3504G	49.19	54.00	-4.81	40.63	3	Horizontal	13	1.61	-	33.90	5.38	30.72

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

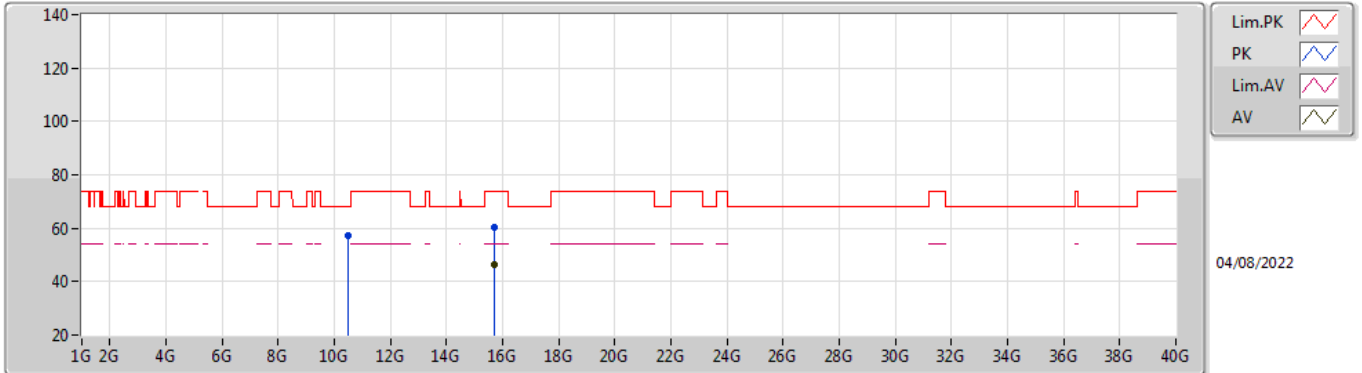


EUT Y_4TX
Setting 105
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.47808G	55.98	68.20	-12.22	41.74	3	Vertical	335	1.80	-	38.60	7.49	31.85
PK	15.71994G	59.55	74.00	-14.45	43.62	3	Vertical	355	1.79	-	37.50	9.87	31.44
AV	15.71436G	45.75	54.00	-8.25	29.82	3	Vertical	355	1.79	-	37.50	9.87	31.44

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

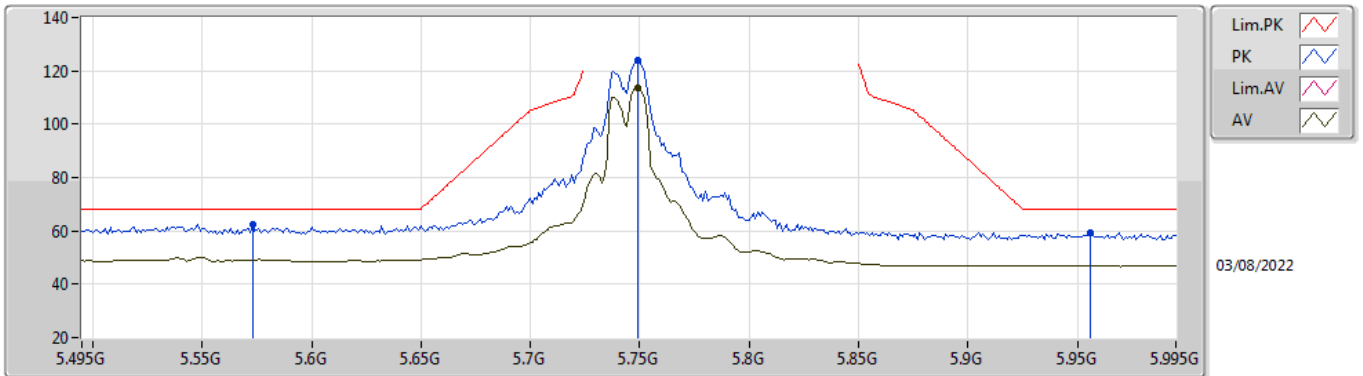


EUT Y_4TX
Setting 105
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.48096G	57.20	68.20	-11.00	42.96	3	Horizontal	319	2.42	-	38.60	7.49	31.85
PK	15.71634G	60.24	74.00	-13.76	44.31	3	Horizontal	360	1.80	-	37.50	9.87	31.44
AV	15.71676G	46.51	54.00	-7.49	30.58	3	Horizontal	360	1.80	-	37.50	9.87	31.44

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

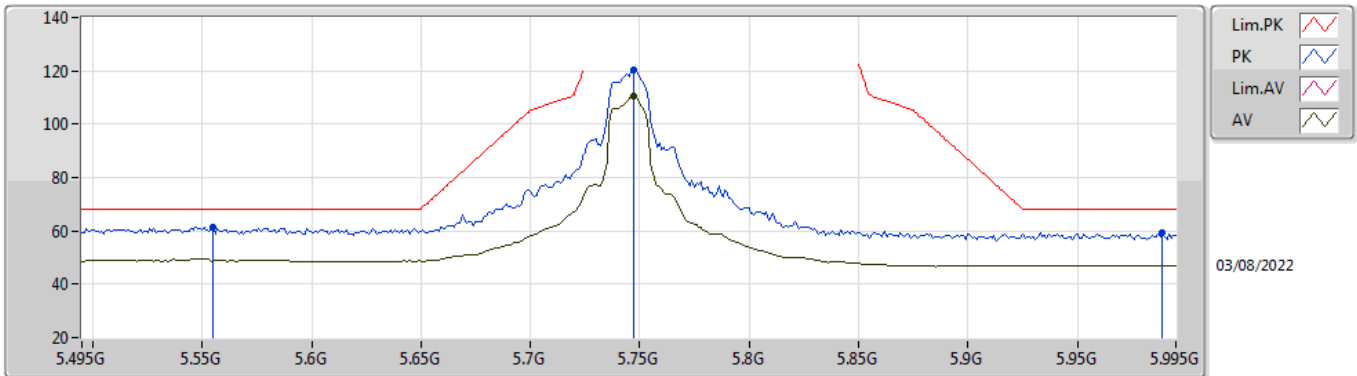


EUT Y_4TX
Setting 96
02-F-G-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.573G	62.27	68.20	-5.93	53.53	3	Vertical	360	1.80	-	33.95	5.57	30.78
PK	5.749G	124.16	Inf	-Inf	115.67	3	Vertical	360	1.80	-	33.80	5.60	30.91
AV	5.749G	113.79	Inf	-Inf	105.30	3	Vertical	360	1.80	-	33.80	5.60	30.91
PK	5.956G	59.34	68.20	-8.86	50.45	3	Vertical	360	1.80	-	34.20	5.76	31.07

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

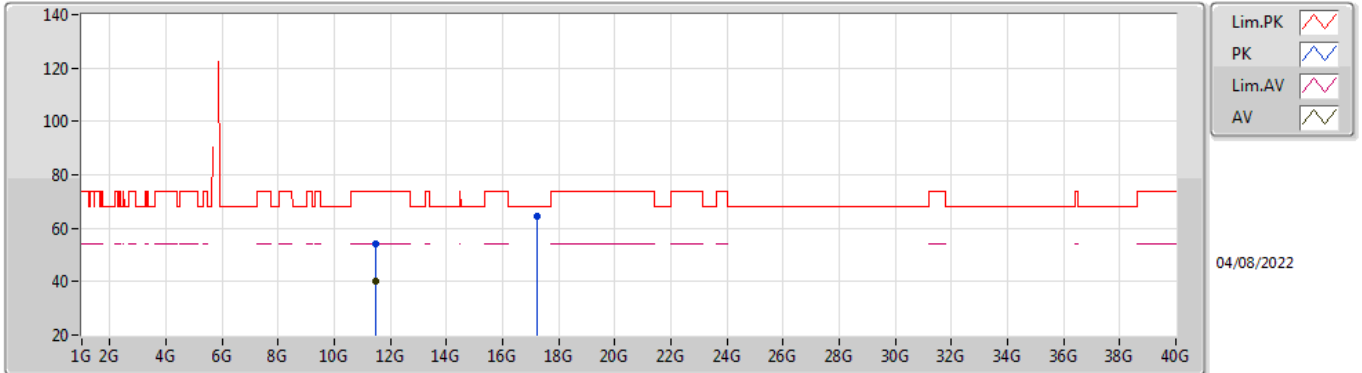


EUT Y_4TX
Setting 96
02-F-G-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.555G	61.44	68.20	-6.76	52.66	3	Horizontal	-0	2.40	-	33.99	5.55	30.76
PK	5.747G	120.37	Inf	-Inf	111.87	3	Horizontal	-0	2.40	-	33.81	5.60	30.91
AV	5.747G	110.47	Inf	-Inf	101.97	3	Horizontal	-0	2.40	-	33.81	5.60	30.91
PK	5.989G	59.31	68.20	-8.89	50.41	3	Horizontal	-0	2.40	-	34.20	5.79	31.09

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

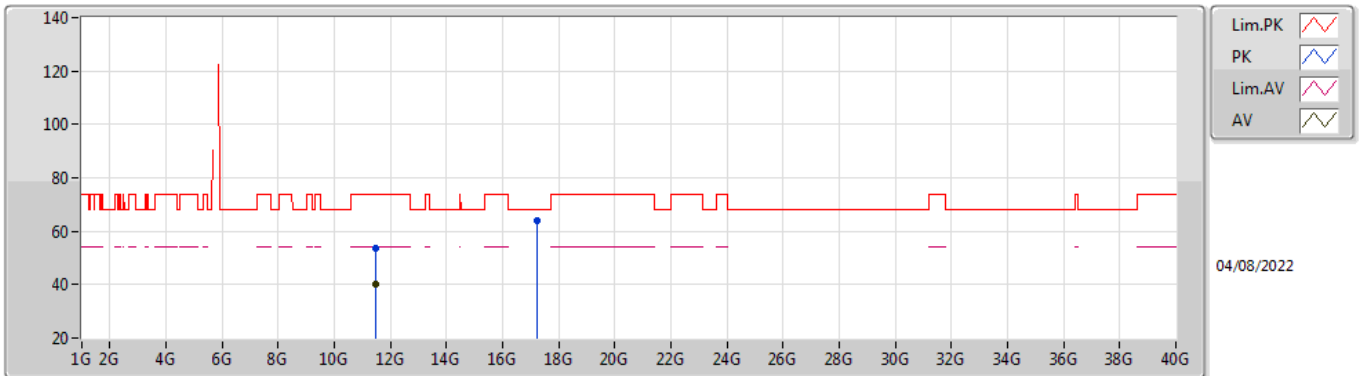


EUT Y_4TX
Setting 96
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.49312G	53.94	74.00	-20.06	39.17	3	Vertical	321	2.57	-	38.99	7.90	32.12
AV	11.494G	40.10	54.00	-13.90	25.33	3	Vertical	321	2.57	-	38.99	7.90	32.12
PK	17.22752G	64.44	68.20	-3.76	41.93	3	Vertical	327	1.16	-	42.14	10.61	30.24

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

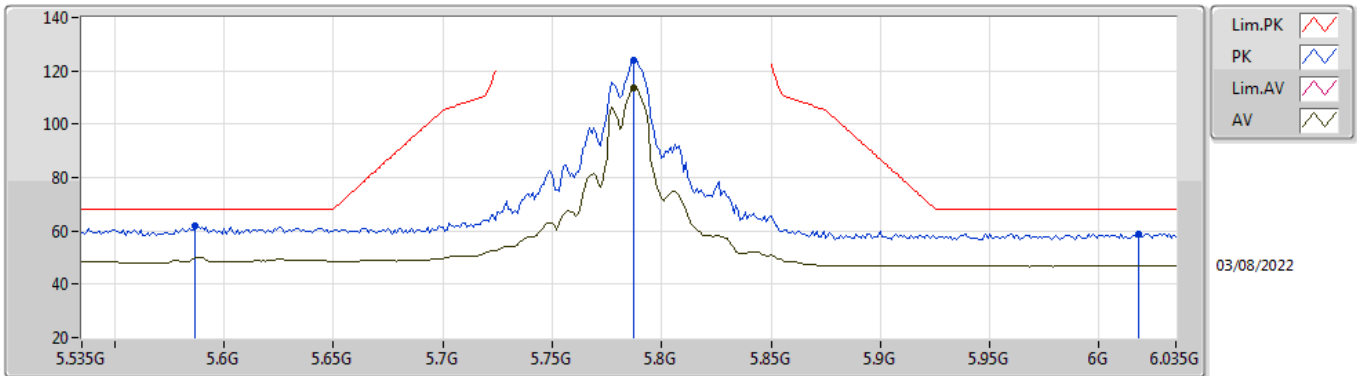


EUT Y_4TX
Setting 96
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48676G	53.75	74.00	-20.25	39.00	3	Horizontal	153	1.69	-	38.97	7.89	32.11
AV	11.49148G	40.13	54.00	-13.87	25.37	3	Horizontal	153	1.69	-	38.98	7.90	32.12
PK	17.23544G	64.14	68.20	-4.06	41.58	3	Horizontal	154	2.48	-	42.18	10.62	30.24

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

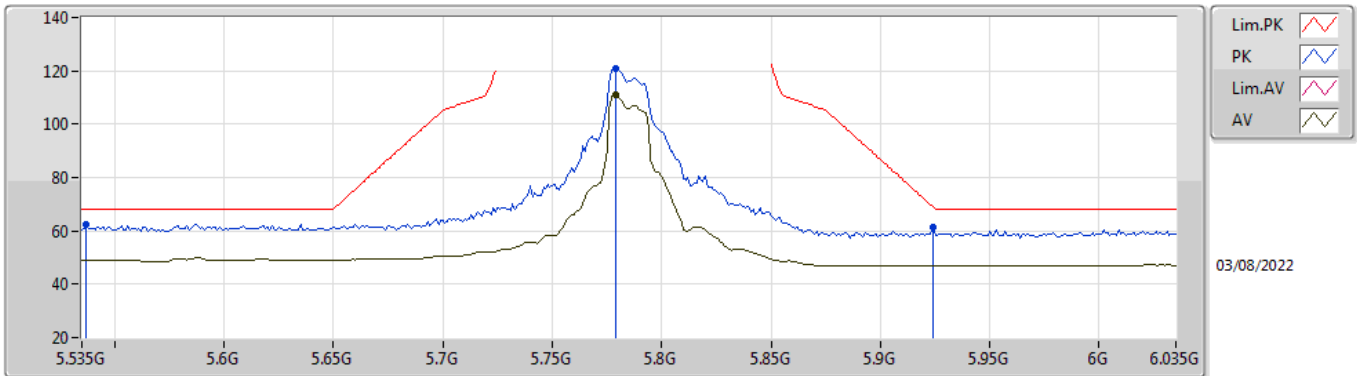


EUT Y_4TX
Setting 99
02-F-G-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.587G	61.94	68.20	-6.26	53.21	3	Vertical	360	2.93	-	33.93	5.59	30.79
PK	5.787G	123.78	Inf	-Inf	115.32	3	Vertical	360	2.93	-	33.80	5.60	30.94
AV	5.787G	113.41	Inf	-Inf	104.95	3	Vertical	360	2.93	-	33.80	5.60	30.94
PK	6.018G	58.90	68.20	-9.30	49.97	3	Vertical	360	2.93	-	34.24	5.80	31.11

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

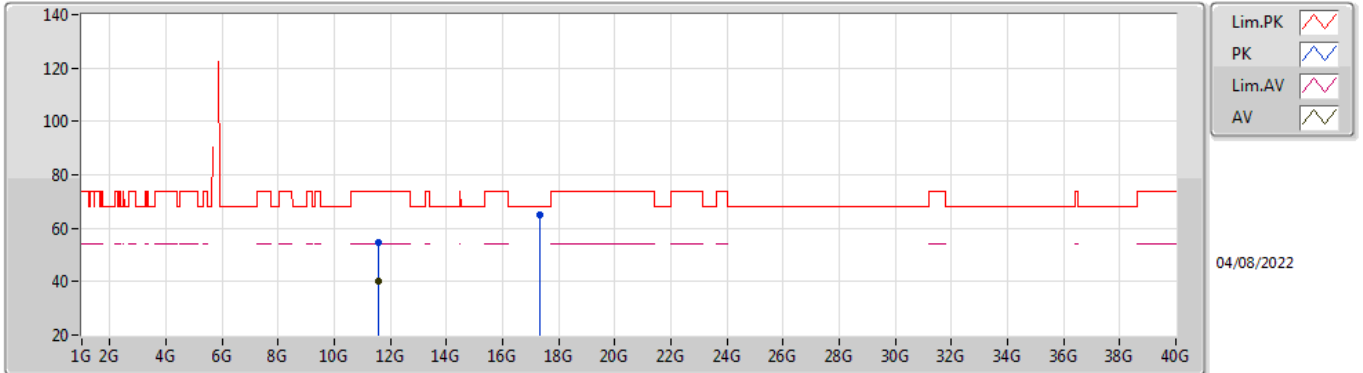


EUT Y_4TX
Setting 99
02-F-G-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.537G	62.40	68.20	-5.80	53.61	3	Horizontal	353	2.68	-	34.00	5.54	30.75
PK	5.779G	121.10	Inf	-Inf	112.63	3	Horizontal	353	2.68	-	33.80	5.60	30.93
AV	5.779G	110.84	Inf	-Inf	102.37	3	Horizontal	353	2.68	-	33.80	5.60	30.93
PK	5.924G	61.39	68.94	-7.55	52.56	3	Horizontal	353	2.68	-	34.15	5.72	31.04

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

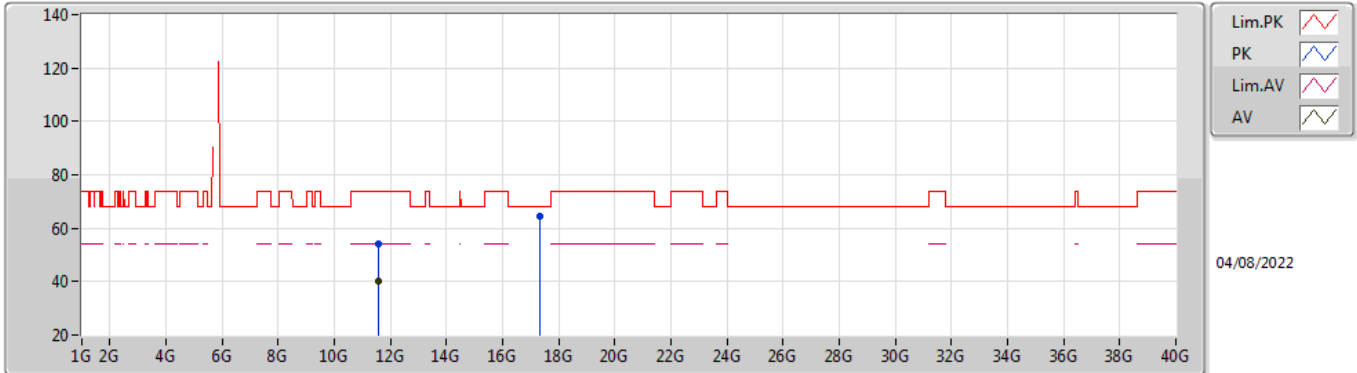


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5742G	54.75	74.00	-19.25	39.76	3	Vertical	292	2.02	-	39.22	7.93	32.16
AV	11.56228G	40.31	54.00	-13.69	25.36	3	Vertical	292	2.02	-	39.19	7.92	32.16
PK	17.35028G	64.92	68.20	-3.28	41.66	3	Vertical	302	2.25	-	42.80	10.68	30.22

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

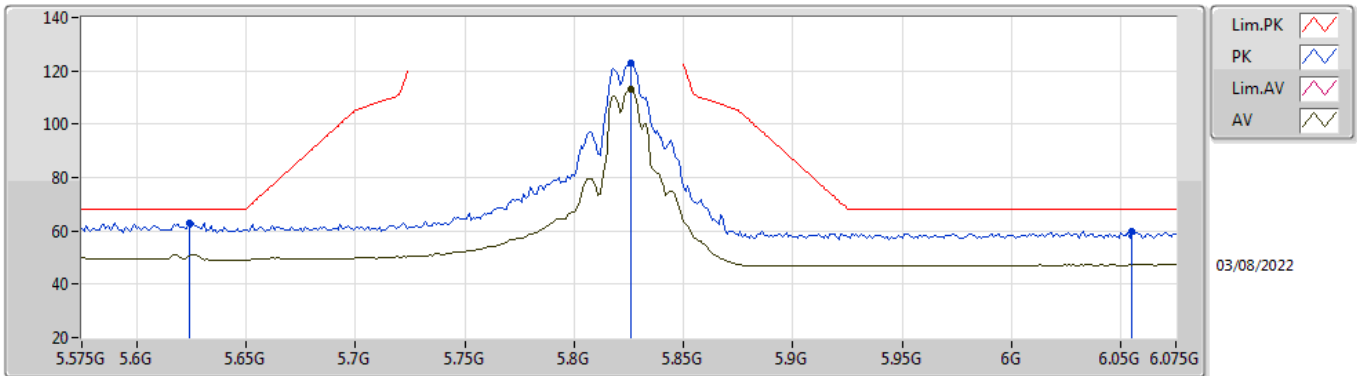


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.56168G	54.13	74.00	-19.87	39.18	3	Horizontal	57	2.50	-	39.19	7.92	32.16
AV	11.563G	40.25	54.00	-13.75	25.29	3	Horizontal	57	2.50	-	39.19	7.93	32.16
PK	17.34756G	64.65	68.20	-3.55	41.42	3	Horizontal	216	1.18	-	42.79	10.67	30.23

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

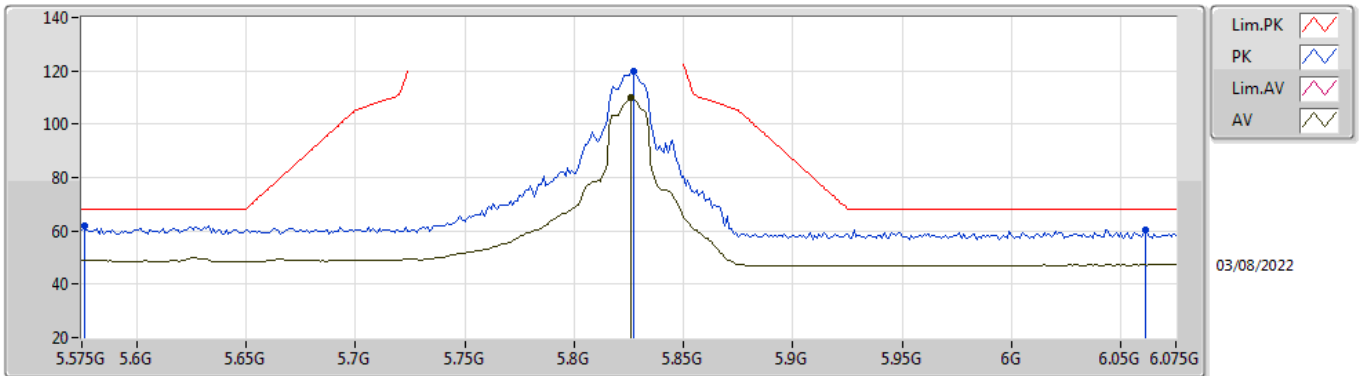


EUT_V_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.624G	63.02	68.20	-5.18	54.38	3	Vertical	18	1.93	-	33.85	5.60	30.81
PK	5.826G	122.97	Inf	-Inf	114.51	3	Vertical	18	1.93	-	33.80	5.63	30.97
AV	5.826G	112.94	Inf	-Inf	104.48	3	Vertical	18	1.93	-	33.80	5.63	30.97
PK	6.055G	59.66	68.20	-8.54	50.67	3	Vertical	18	1.93	-	34.31	5.80	31.12

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

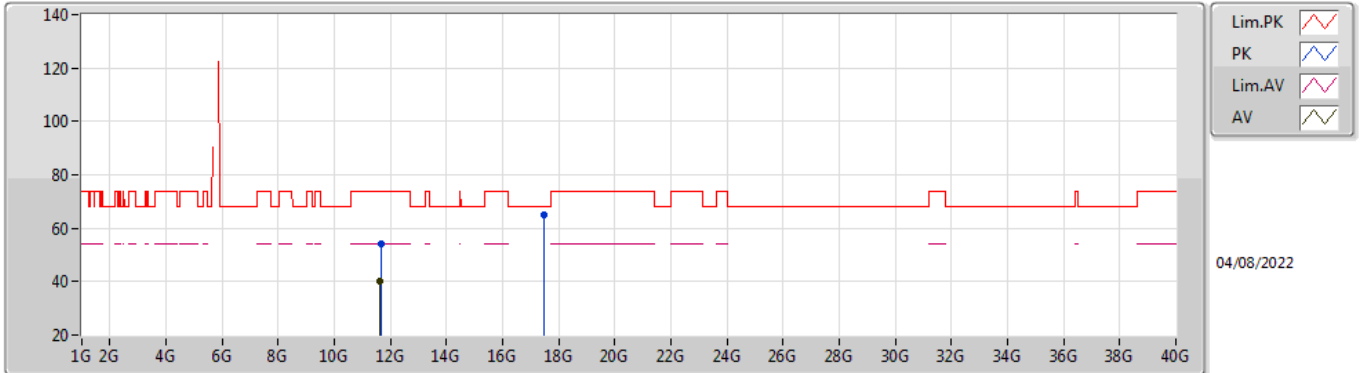


EUT Y_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.576G	62.10	68.20	-6.10	53.35	3	Horizontal	357	1.97	-	33.95	5.58	30.78
PK	5.827G	119.78	Inf	-Inf	111.32	3	Horizontal	357	1.97	-	33.80	5.63	30.97
AV	5.826G	109.99	Inf	-Inf	101.53	3	Horizontal	357	1.97	-	33.80	5.63	30.97
PK	6.061G	60.31	68.20	-7.89	51.31	3	Horizontal	357	1.97	-	34.32	5.80	31.12

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

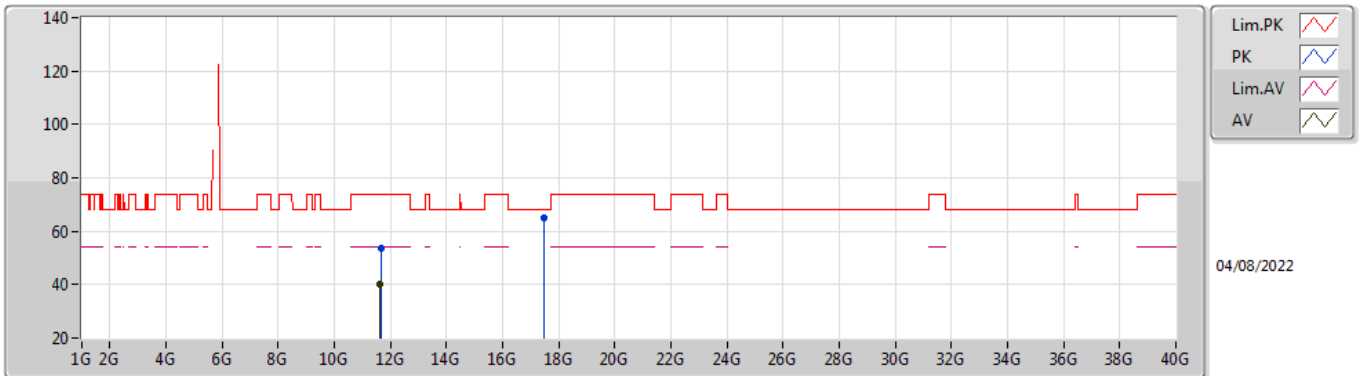


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.65128G	54.07	74.00	-19.93	38.92	3	Vertical	217	1.18	-	39.40	7.96	32.21
AV	11.64088G	40.37	54.00	-13.63	25.23	3	Vertical	217	1.18	-	39.38	7.96	32.20
PK	17.46656G	65.07	68.20	-3.13	40.92	3	Vertical	79	2.47	-	43.63	10.73	30.21

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

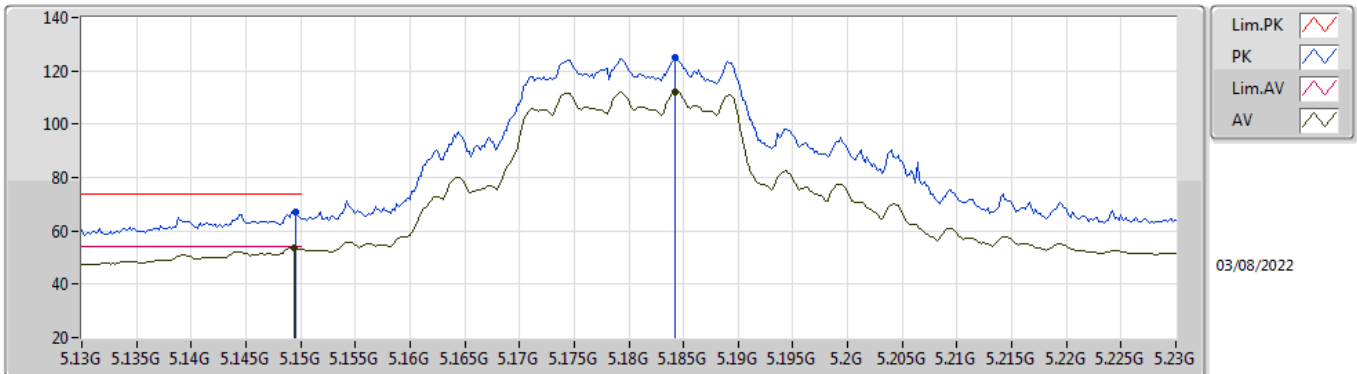


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6574G	53.64	74.00	-20.36	38.48	3	Horizontal	231	2.10	-	39.41	7.96	32.21
AV	11.64136G	40.43	54.00	-13.57	25.29	3	Horizontal	231	2.10	-	39.38	7.96	32.20
PK	17.48156G	64.87	68.20	-3.33	40.59	3	Horizontal	226	2.60	-	43.75	10.74	30.21

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

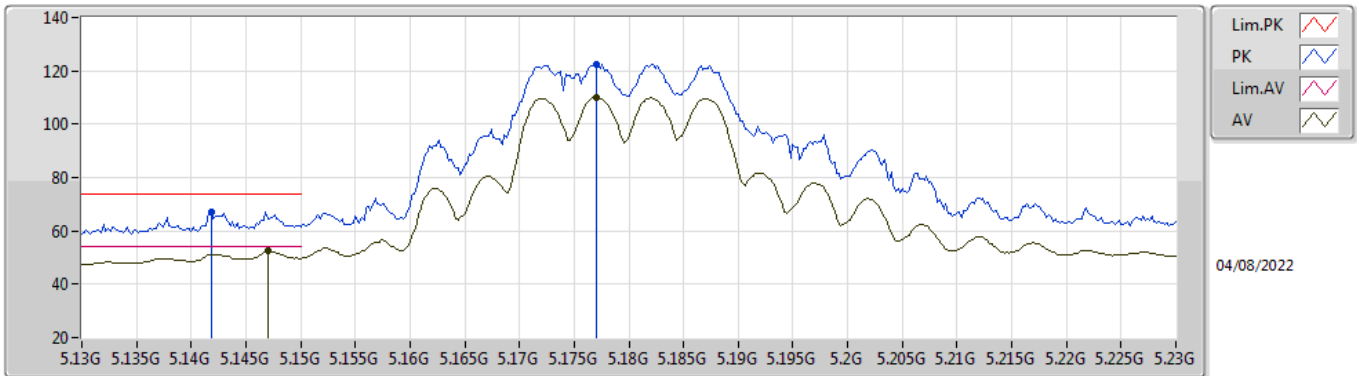


EUT Y_4TX
Setting 90
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	66.98	74.00	-7.02	58.86	3	Vertical	349	2.24	-	33.60	5.25	30.73
AV	5.1494G	53.64	54.00	-0.36	45.52	3	Vertical	349	2.24	-	33.60	5.25	30.73
PK	5.1842G	124.81	Inf	-Inf	116.59	3	Vertical	349	2.24	-	33.67	5.28	30.73
AV	5.1842G	112.08	Inf	-Inf	103.86	3	Vertical	349	2.24	-	33.67	5.28	30.73

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

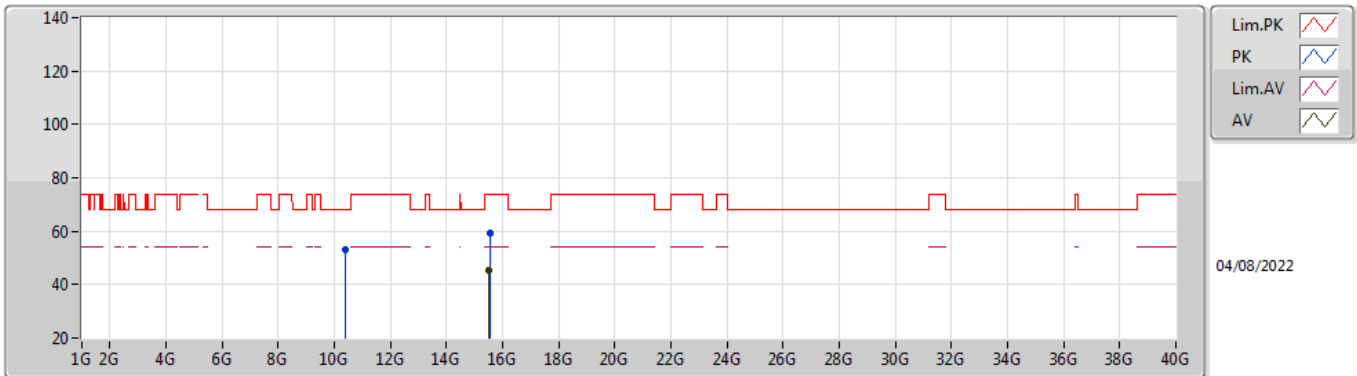


EUT Y_4TX
Setting 90
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1418G	67.16	74.00	-6.84	59.07	3	Horizontal	13	1.71	-	33.58	5.24	30.73
AV	5.147G	52.81	54.00	-1.19	44.70	3	Horizontal	13	1.71	-	33.59	5.25	30.73
PK	5.177G	122.61	Inf	-Inf	114.41	3	Horizontal	13	1.71	-	33.65	5.28	30.73
AV	5.177G	110.10	Inf	-Inf	101.90	3	Horizontal	13	1.71	-	33.65	5.28	30.73

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

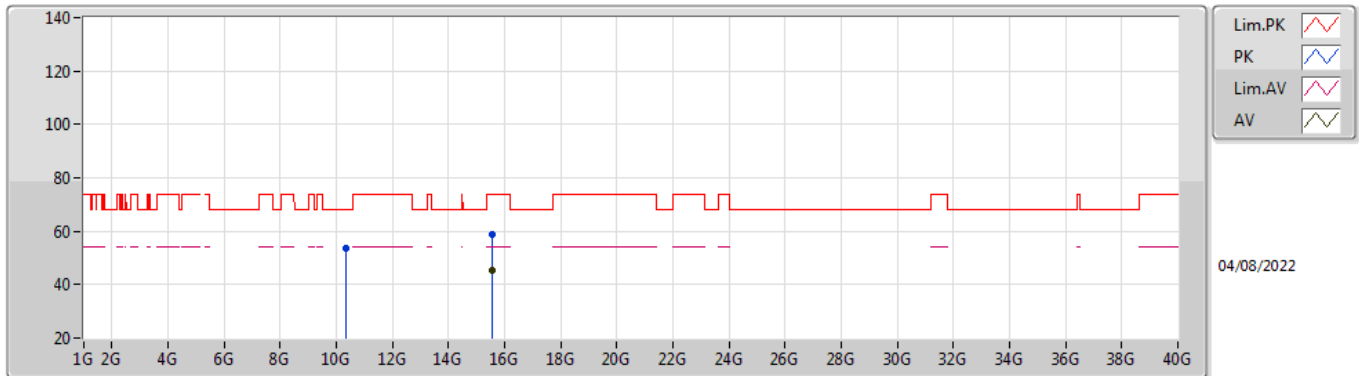


EUT Y_4TX
Setting 90
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.36984G	53.07	68.20	-15.13	38.82	3	Vertical	299	1.62	-	38.63	7.45	31.83
PK	15.54476G	59.17	74.00	-14.83	42.89	3	Vertical	332	1.08	-	37.83	9.80	31.35
AV	15.5302G	45.15	54.00	-8.85	28.79	3	Vertical	332	1.08	-	37.92	9.79	31.35

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

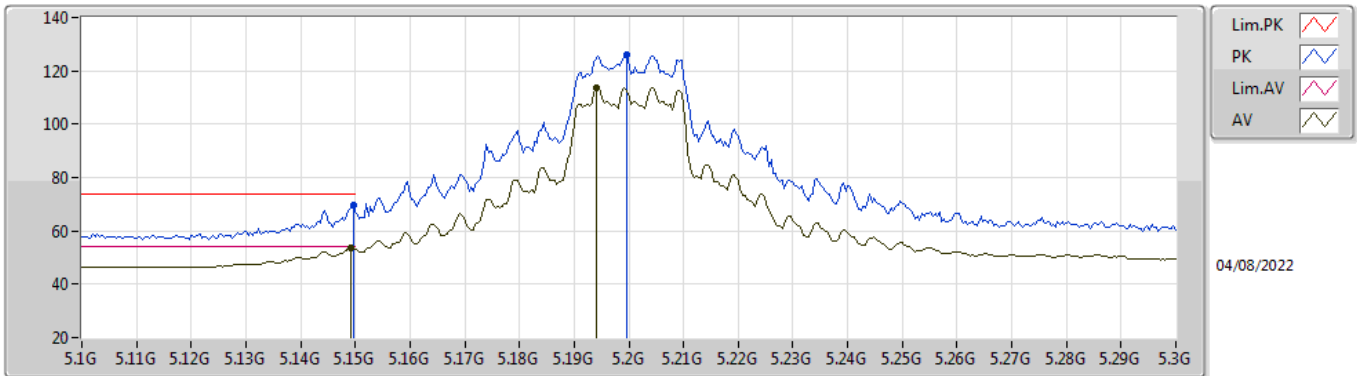


EUT Y_4TX
Setting 90
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.35292G	53.74	68.20	-14.46	39.48	3	Horizontal	1	1.64	-	38.65	7.44	31.83
PK	15.53564G	59.03	74.00	-14.97	42.70	3	Horizontal	77	2.00	-	37.89	9.79	31.35
AV	15.5328G	45.10	54.00	-8.90	28.76	3	Horizontal	77	2.00	-	37.90	9.79	31.35

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

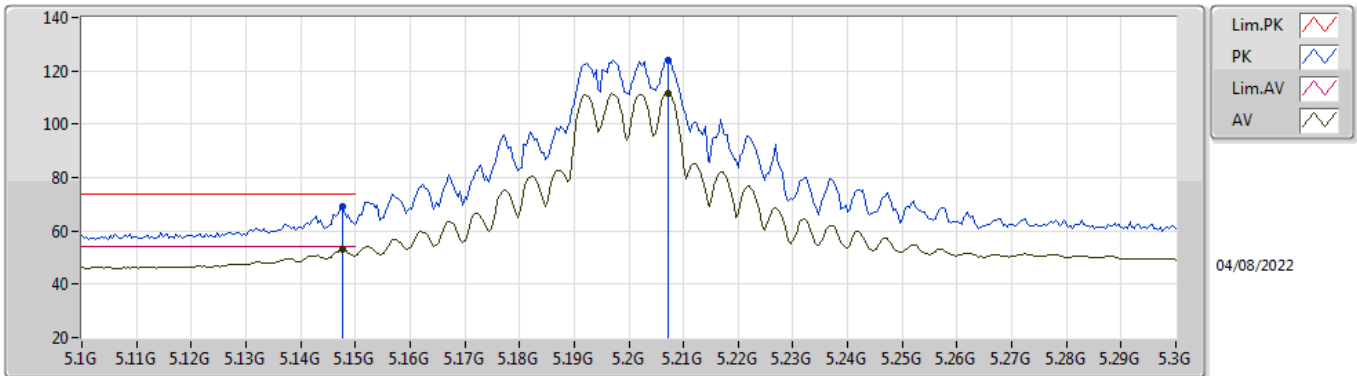


EUT Y_4TX
Setting 96
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	69.63	74.00	-4.37	61.51	3	Vertical	349	2.23	-	33.60	5.25	30.73
AV	5.1492G	53.83	54.00	-0.17	45.71	3	Vertical	349	2.23	-	33.60	5.25	30.73
PK	5.1996G	125.79	Inf	-Inf	117.52	3	Vertical	349	2.23	-	33.70	5.30	30.73
AV	5.194G	113.56	Inf	-Inf	105.31	3	Vertical	349	2.23	-	33.69	5.29	30.73

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

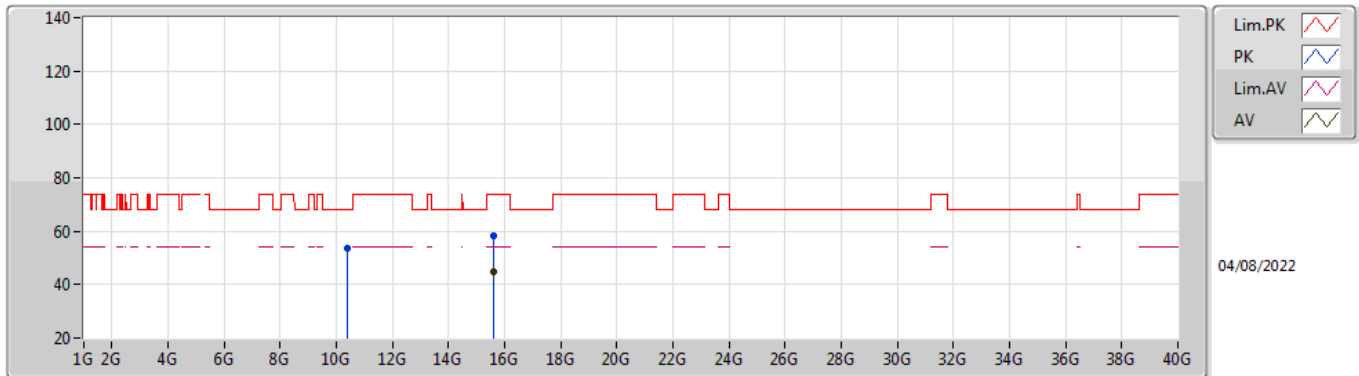


EUT Y_4TX
Setting 96
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1476G	69.10	74.00	-4.90	60.98	3	Horizontal	16	1.54	-	33.60	5.25	30.73
AV	5.1476G	53.04	54.00	-0.96	44.92	3	Horizontal	16	1.54	-	33.60	5.25	30.73
PK	5.2072G	124.06	Inf	-Inf	115.79	3	Horizontal	16	1.54	-	33.70	5.30	30.73
AV	5.2072G	111.69	Inf	-Inf	103.42	3	Horizontal	16	1.54	-	33.70	5.30	30.73

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

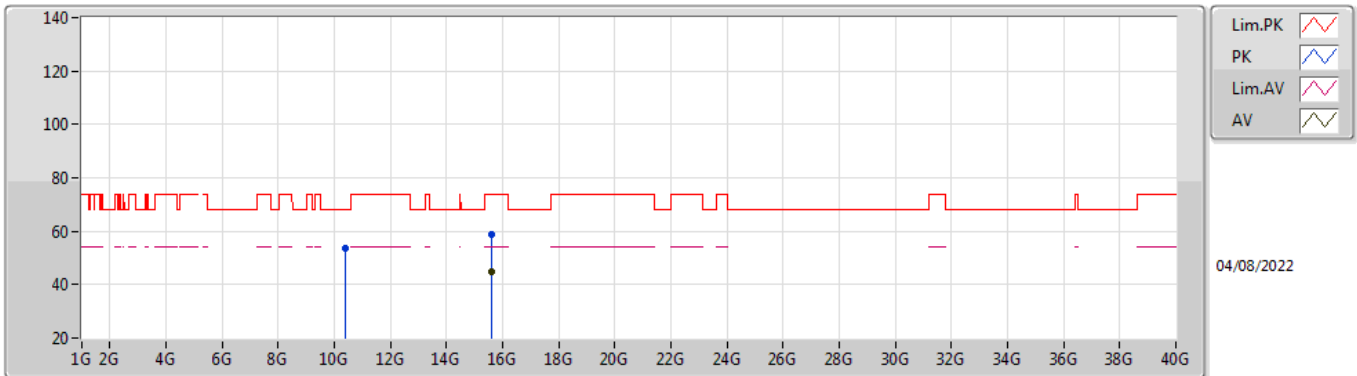


EUT Y_4TX
Setting 96
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40212G	53.65	68.20	-14.55	39.42	3	Vertical	28	1.96	-	38.60	7.46	31.83
AV	15.59208G	44.62	54.00	-9.38	28.63	3	Vertical	0	1.80	-	37.55	9.82	31.38
PK	15.6074G	58.17	74.00	-15.83	42.24	3	Vertical	232	2.31	-	37.50	9.82	31.39

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

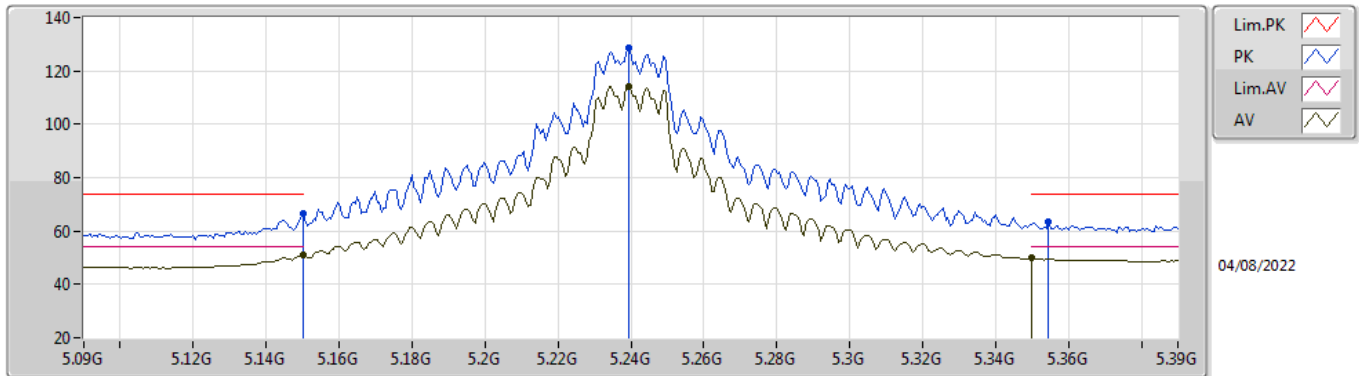


EUT Y_4TX
Setting 96
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3976G	53.69	68.20	-14.51	39.46	3	Horizontal	280	1.12	-	38.60	7.46	31.83
AV	15.59466G	45.08	54.00	-8.92	29.11	3	Horizontal	259	1.84	-	37.53	9.82	31.38
PK	15.6024G	59.02	74.00	-14.98	43.08	3	Horizontal	0	1.80	-	37.50	9.82	31.38

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

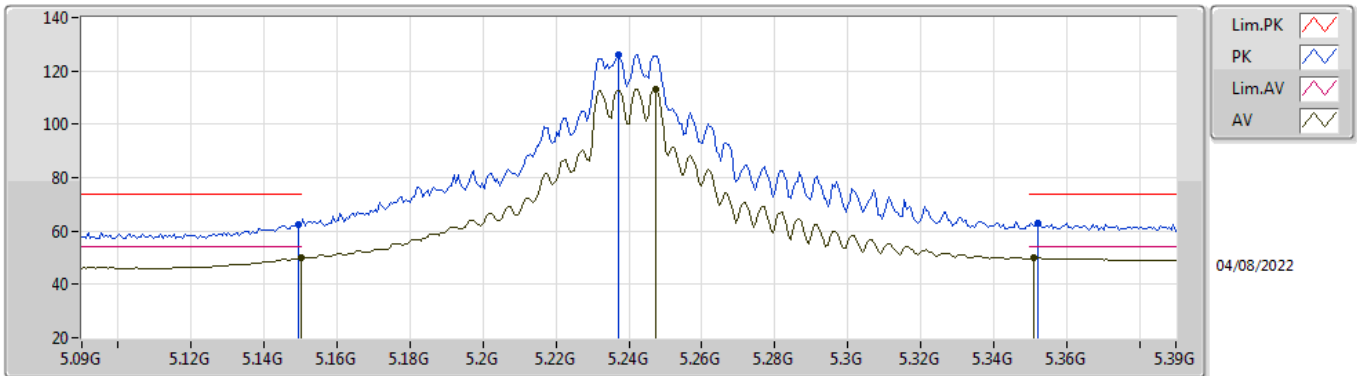


EUT_V_4TX
Setting 105
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	66.40	74.00	-7.60	58.28	3	Vertical	351	1.79	-	33.60	5.25	30.73
AV	5.15G	50.86	54.00	-3.14	42.74	3	Vertical	351	1.79	-	33.60	5.25	30.73
PK	5.2394G	128.45	Inf	-Inf	120.16	3	Vertical	351	1.79	-	33.70	5.32	30.73
AV	5.2394G	114.38	Inf	-Inf	106.09	3	Vertical	351	1.79	-	33.70	5.32	30.73
PK	5.3546G	63.24	74.00	-10.76	54.67	3	Vertical	351	1.79	-	33.91	5.38	30.72
AV	5.35G	49.82	54.00	-4.18	41.26	3	Vertical	351	1.79	-	33.90	5.38	30.72

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

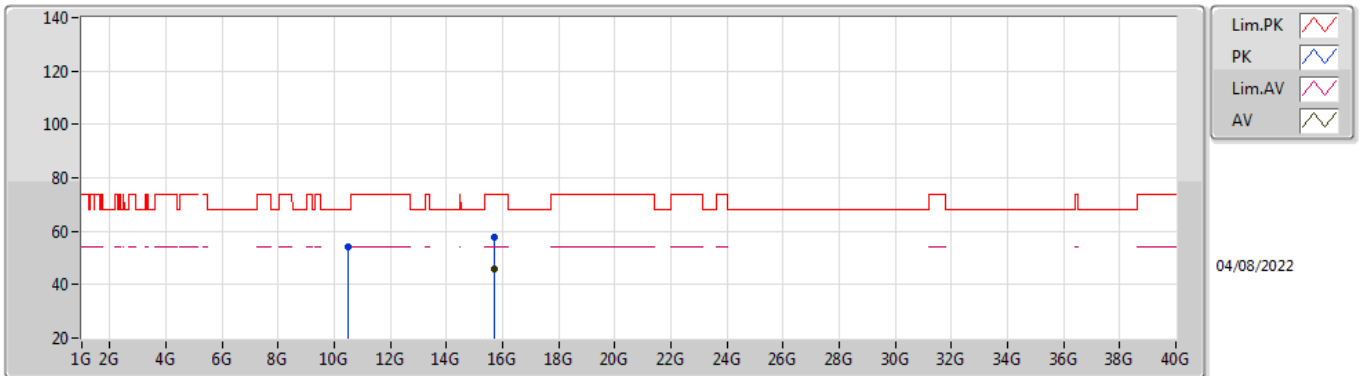


EUT_V_4TX
Setting 105
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1494G	62.53	74.00	-11.47	54.41	3	Horizontal	12	1.37	-	33.60	5.25	30.73
AV	5.15G	50.01	54.00	-3.99	41.89	3	Horizontal	12	1.37	-	33.60	5.25	30.73
PK	5.237G	126.14	Inf	-Inf	117.85	3	Horizontal	12	1.37	-	33.70	5.32	30.73
AV	5.2472G	113.08	Inf	-Inf	104.79	3	Horizontal	12	1.37	-	33.70	5.32	30.73
PK	5.3522G	62.88	74.00	-11.12	54.32	3	Horizontal	12	1.37	-	33.90	5.38	30.72
AV	5.351G	49.91	54.00	-4.09	41.35	3	Horizontal	12	1.37	-	33.90	5.38	30.72

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

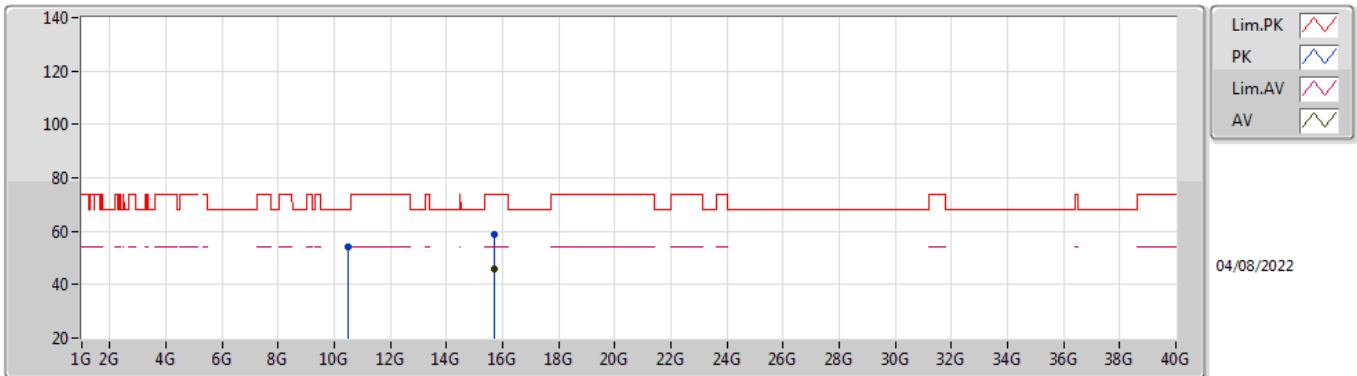


EUT Y_4TX
Setting 105
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.47764G	54.31	68.20	-13.89	40.07	3	Vertical	225	1.35	-	38.60	7.49	31.85
PK	15.71928G	57.75	74.00	-16.25	41.82	3	Vertical	69	1.31	-	37.50	9.87	31.44
AV	15.71904G	45.93	54.00	-8.07	30.00	3	Vertical	69	1.31	-	37.50	9.87	31.44

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

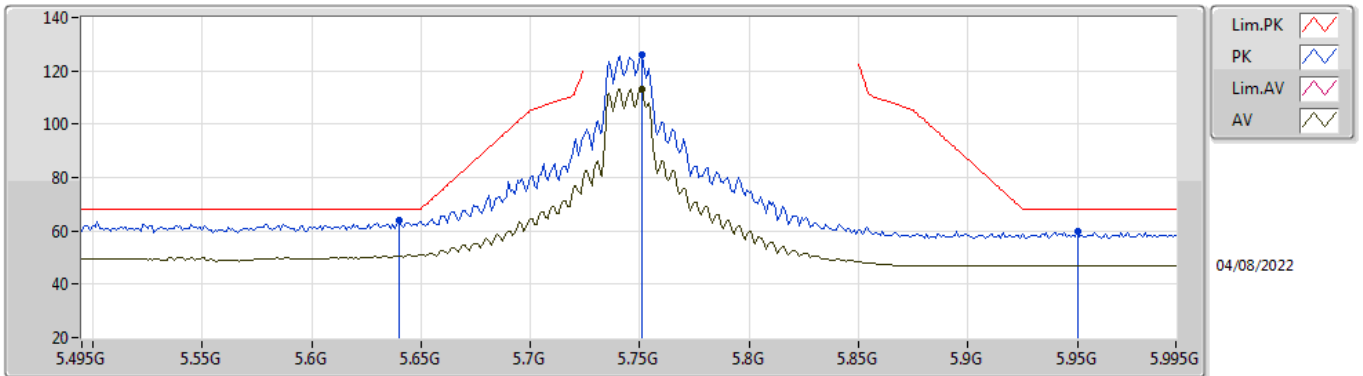


EUT Y_4TX
Setting 105
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.48048G	53.90	68.20	-14.30	39.66	3	Horizontal	271	2.37	-	38.60	7.49	31.85
PK	15.71904G	58.74	74.00	-15.26	42.81	3	Horizontal	360	1.80	-	37.50	9.87	31.44
AV	15.71898G	45.96	54.00	-8.04	30.03	3	Horizontal	360	1.80	-	37.50	9.87	31.44

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

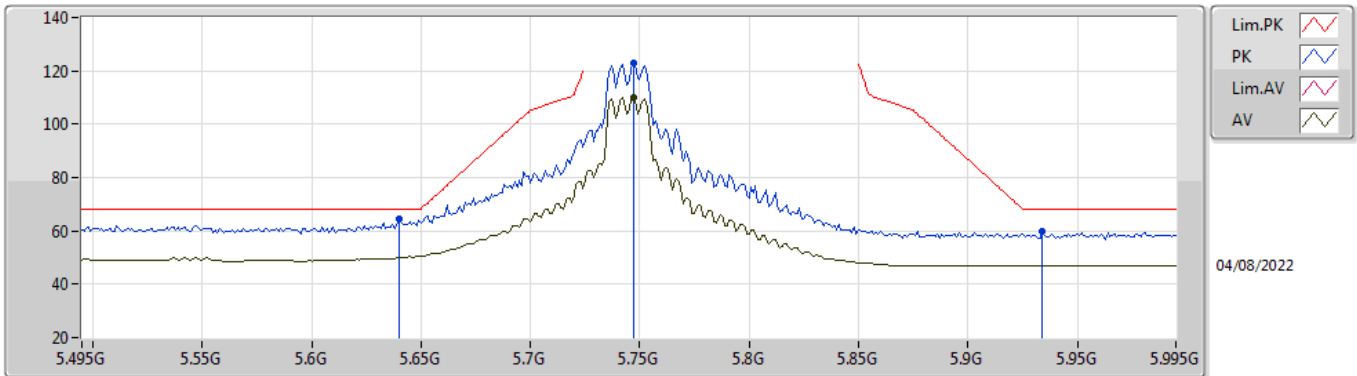


EUT Y_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64G	63.79	68.20	-4.41	55.20	3	Vertical	354	2.94	-	33.82	5.60	30.83
PK	5.751G	125.84	Inf	-Inf	117.35	3	Vertical	354	2.94	-	33.80	5.60	30.91
AV	5.751G	113.30	Inf	-Inf	104.81	3	Vertical	354	2.94	-	33.80	5.60	30.91
PK	5.95G	59.70	68.20	-8.50	50.81	3	Vertical	354	2.94	-	34.20	5.75	31.06

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

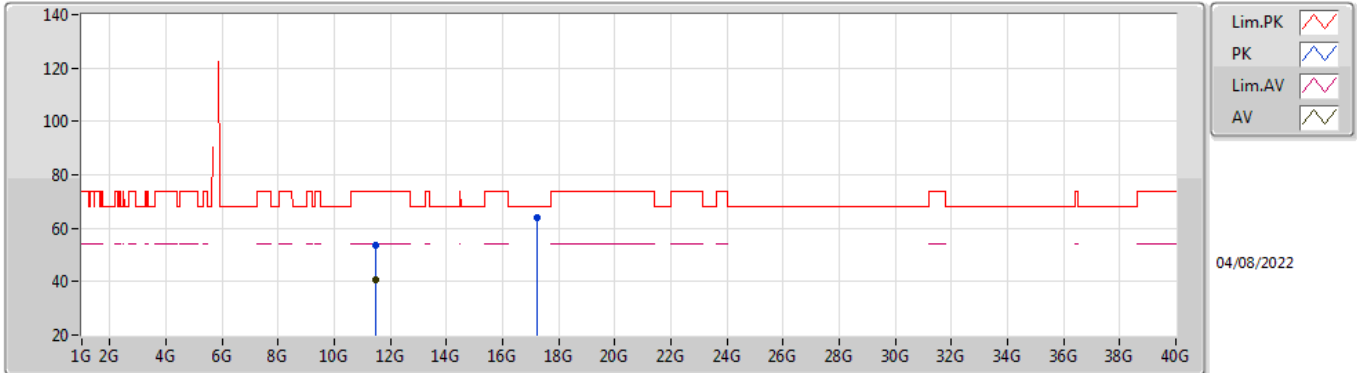


EUT Y_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64G	64.27	68.20	-3.93	55.68	3	Horizontal	353	2.92	-	33.82	5.60	30.83
PK	5.747G	122.88	Inf	-Inf	114.38	3	Horizontal	353	2.92	-	33.81	5.60	30.91
AV	5.747G	110.18	Inf	-Inf	101.68	3	Horizontal	353	2.92	-	33.81	5.60	30.91
PK	5.934G	59.64	68.20	-8.56	50.79	3	Horizontal	353	2.92	-	34.17	5.73	31.05

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

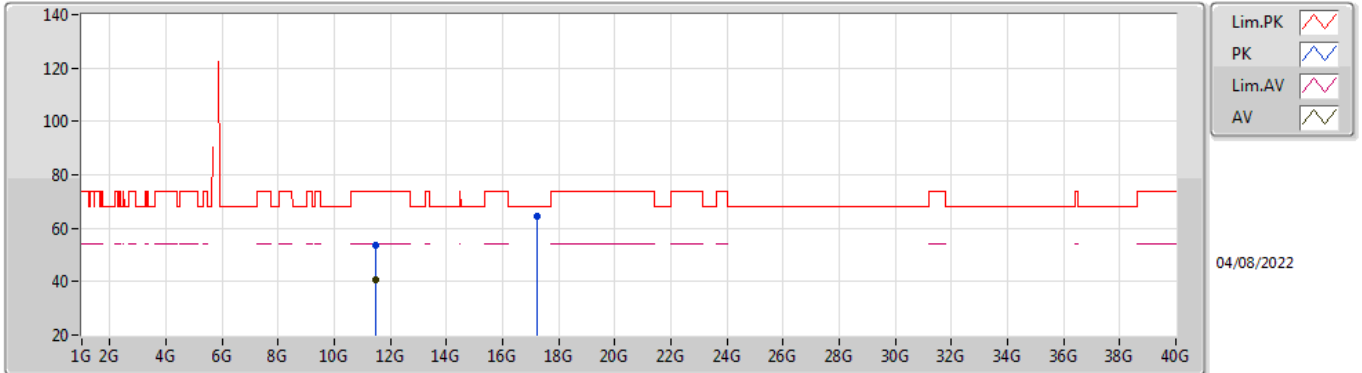


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.49056G	53.86	74.00	-20.14	39.10	3	Vertical	96	2.49	-	38.98	7.90	32.12
AV	11.4906G	40.64	54.00	-13.36	25.88	3	Vertical	96	2.49	-	38.98	7.90	32.12
PK	17.23824G	63.76	68.20	-4.44	41.19	3	Vertical	254	1.74	-	42.19	10.62	30.24

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

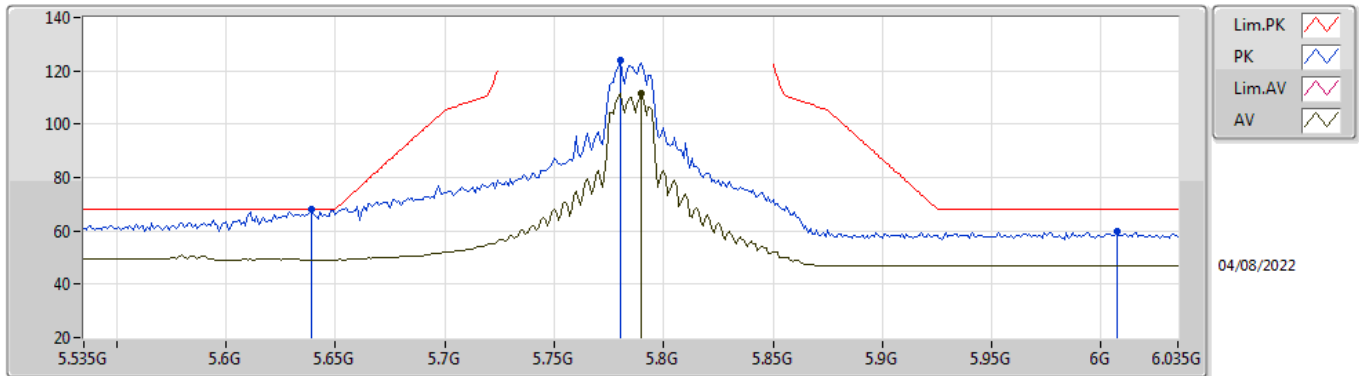


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4858G	53.70	74.00	-20.30	38.95	3	Horizontal	299	2.23	-	38.97	7.89	32.11
AV	11.49072G	40.65	54.00	-13.35	25.89	3	Horizontal	299	2.23	-	38.98	7.90	32.12
PK	17.2396G	64.26	68.20	-3.94	41.68	3	Horizontal	36	1.54	-	42.20	10.62	30.24

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

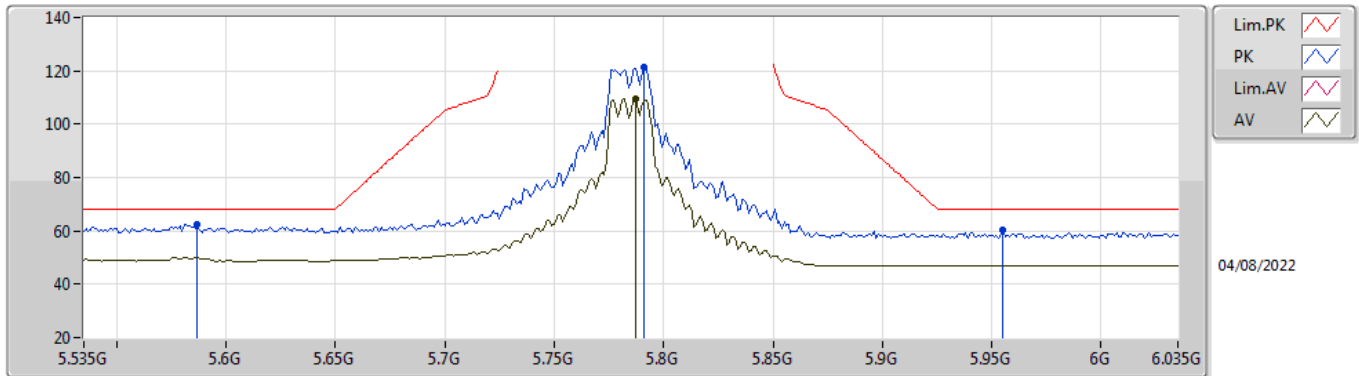


EUT Y_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.639G	68.04	68.20	-0.16	59.45	3	Vertical	12	1.60	-	33.82	5.60	30.83
PK	5.78G	123.93	Inf	-Inf	115.46	3	Vertical	12	1.60	-	33.80	5.60	30.93
AV	5.79G	111.51	Inf	-Inf	103.05	3	Vertical	12	1.60	-	33.80	5.60	30.94
PK	6.007G	59.57	68.20	-8.63	50.66	3	Vertical	12	1.60	-	34.21	5.80	31.10

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

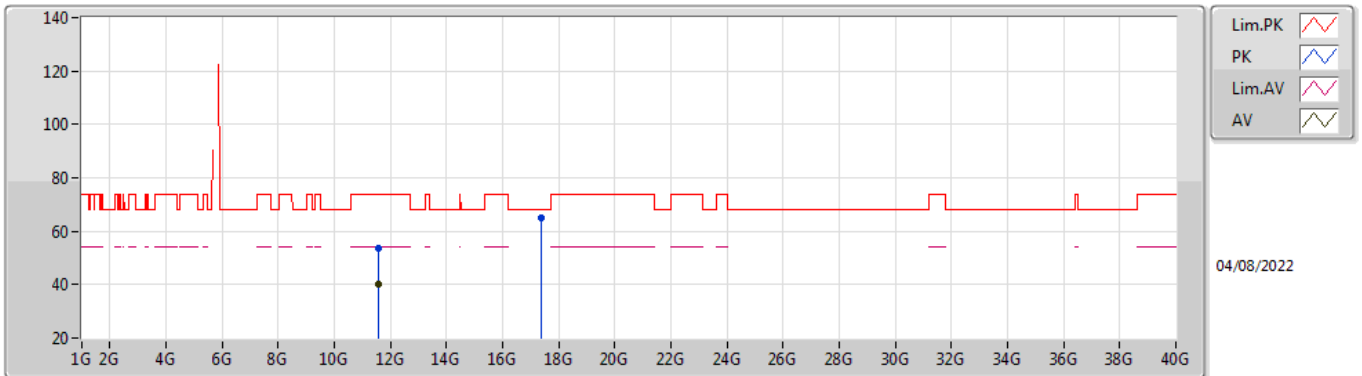


EUT Y_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.587G	62.38	68.20	-5.82	53.65	3	Horizontal	353	2.75	-	33.93	5.59	30.79
PK	5.791G	121.26	Inf	-Inf	112.80	3	Horizontal	353	2.75	-	33.80	5.60	30.94
AV	5.787G	109.56	Inf	-Inf	101.10	3	Horizontal	353	2.75	-	33.80	5.60	30.94
PK	5.955G	60.15	68.20	-8.05	51.27	3	Horizontal	353	2.75	-	34.20	5.75	31.07

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

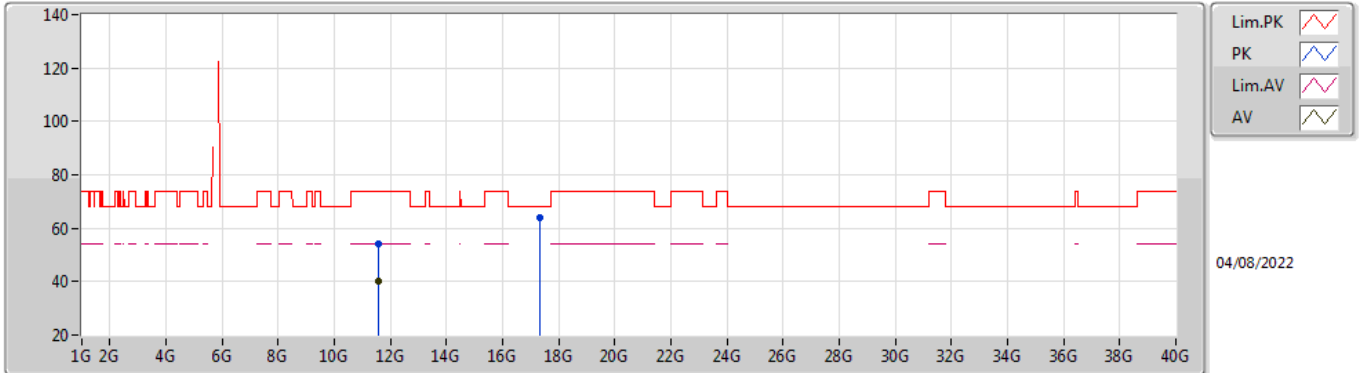


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57664G	53.77	74.00	-20.23	38.77	3	Vertical	256	2.39	-	39.23	7.93	32.16
AV	11.57152G	40.41	54.00	-13.59	25.43	3	Vertical	256	2.39	-	39.21	7.93	32.16
PK	17.36416G	64.81	68.20	-3.39	41.47	3	Vertical	224	2.73	-	42.88	10.68	30.22

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

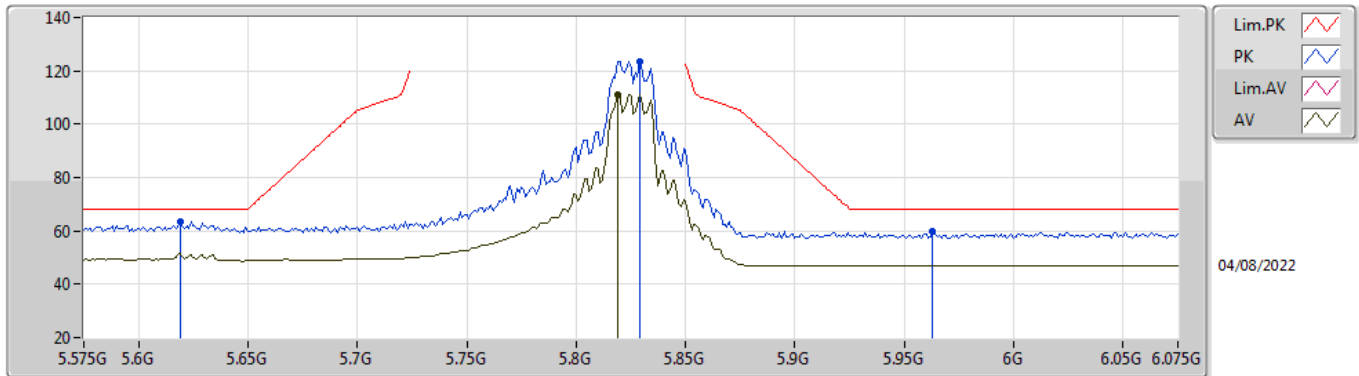


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57604G	54.06	74.00	-19.94	39.06	3	Horizontal	249	1.98	-	39.23	7.93	32.16
AV	11.57136G	40.41	54.00	-13.59	25.43	3	Horizontal	249	1.98	-	39.21	7.93	32.16
PK	17.34868G	64.05	68.20	-4.15	40.82	3	Horizontal	138	1.90	-	42.79	10.67	30.23

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

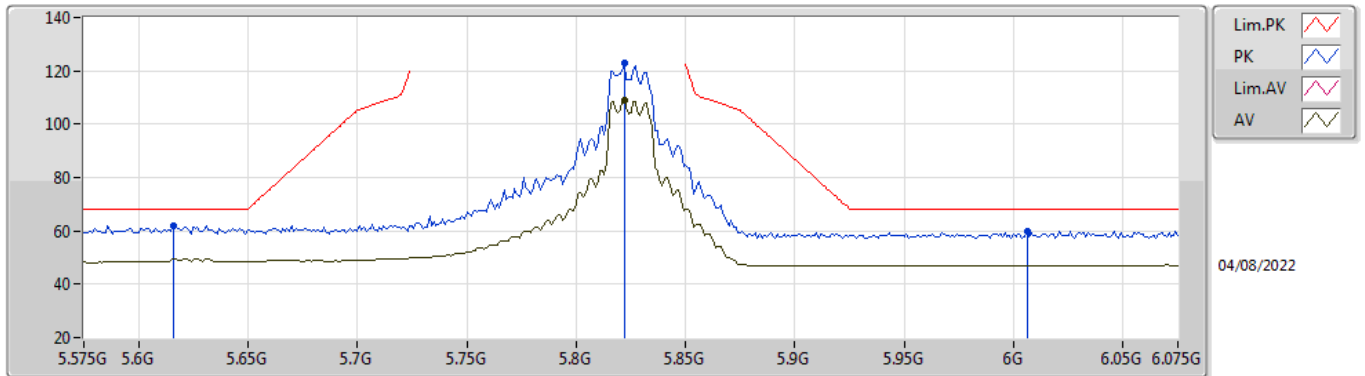


EUT Y_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.619G	63.51	68.20	-4.69	54.86	3	Vertical	36	1.99	-	33.86	5.60	30.81
PK	5.829G	123.57	Inf	-Inf	115.11	3	Vertical	36	1.99	-	33.80	5.63	30.97
AV	5.819G	111.01	Inf	-Inf	102.55	3	Vertical	36	1.99	-	33.80	5.62	30.96
PK	5.963G	60.04	68.20	-8.16	51.15	3	Vertical	36	1.99	-	34.20	5.76	31.07

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

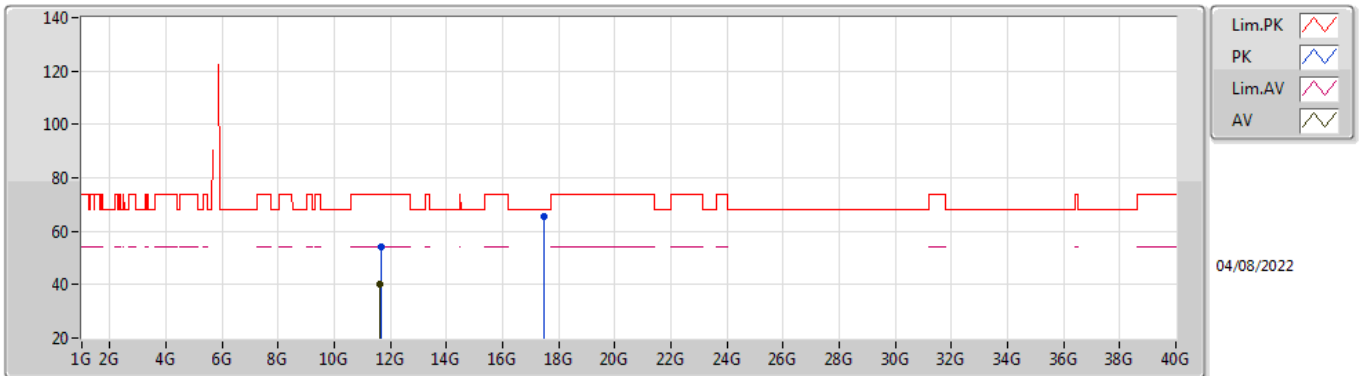


EUT Y_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.616G	61.99	68.20	-6.21	53.33	3	Horizontal	353	2.65	-	33.87	5.60	30.81
PK	5.822G	123.12	Inf	-Inf	114.66	3	Horizontal	353	2.65	-	33.80	5.62	30.96
AV	5.822G	108.94	Inf	-Inf	100.48	3	Horizontal	353	2.65	-	33.80	5.62	30.96
PK	6.006G	60.05	68.20	-8.15	51.14	3	Horizontal	353	2.65	-	34.21	5.80	31.10

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

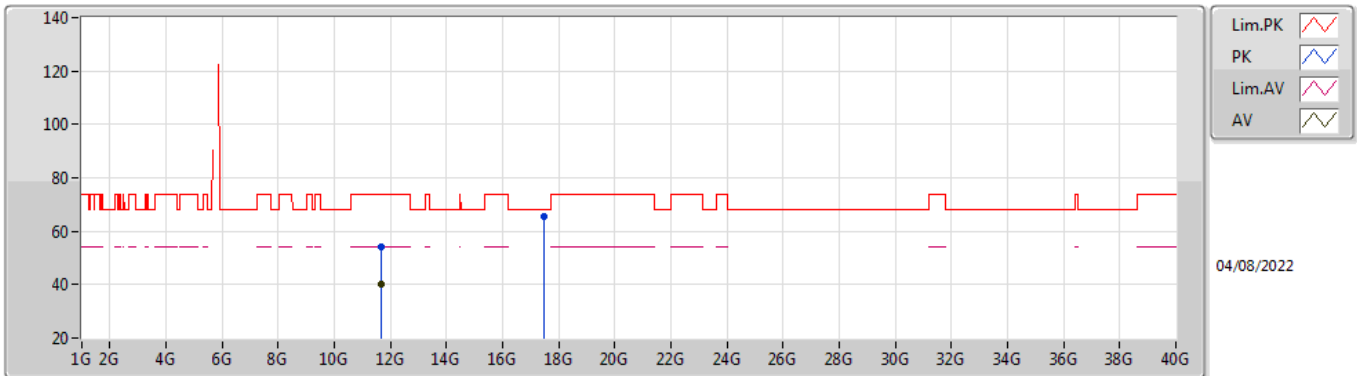


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.65884G	54.20	74.00	-19.80	39.03	3	Vertical	42	1.89	-	39.42	7.96	32.21
AV	11.64624G	40.39	54.00	-13.61	25.24	3	Vertical	42	1.89	-	39.39	7.96	32.20
PK	17.48228G	65.40	68.20	-2.80	41.11	3	Vertical	176	2.56	-	43.76	10.74	30.21

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

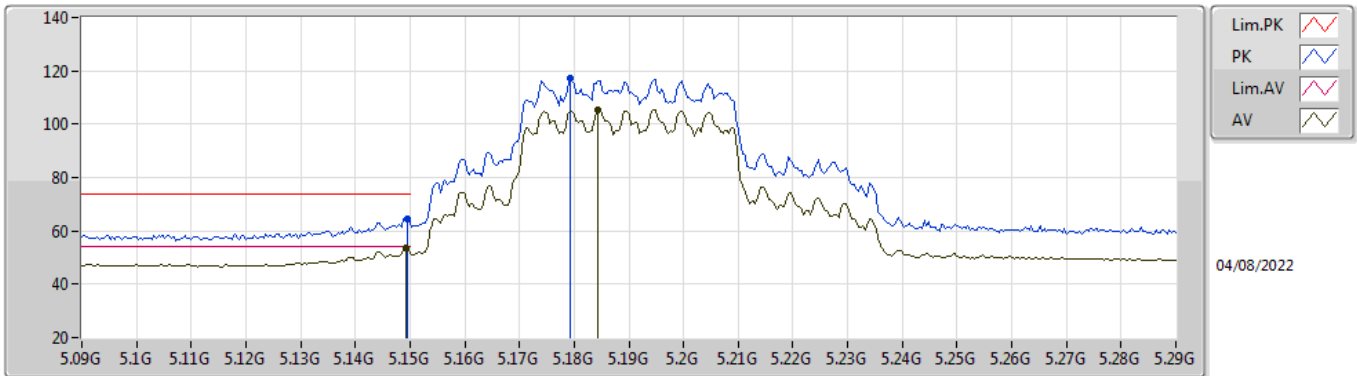


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.64916G	54.03	74.00	-19.97	38.88	3	Horizontal	255	2.68	-	39.40	7.96	32.21
AV	11.6512G	40.39	54.00	-13.61	25.24	3	Horizontal	255	2.68	-	39.40	7.96	32.21
PK	17.46792G	65.67	68.20	-2.53	41.51	3	Horizontal	132	1.45	-	43.64	10.73	30.21

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

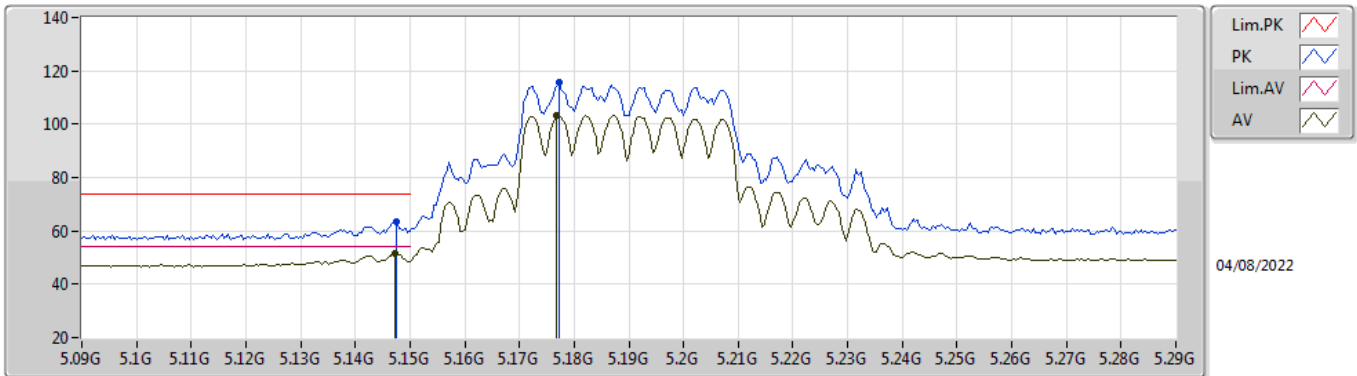


EUT Y_4TX
Setting 71
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	64.56	74.00	-9.44	56.44	3	Vertical	350	2.39	-	33.60	5.25	30.73
AV	5.1492G	53.45	54.00	-0.55	45.33	3	Vertical	350	2.39	-	33.60	5.25	30.73
PK	5.1792G	117.11	Inf	-Inf	108.90	3	Vertical	350	2.39	-	33.66	5.28	30.73
AV	5.1844G	105.47	Inf	-Inf	97.25	3	Vertical	350	2.39	-	33.67	5.28	30.73

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

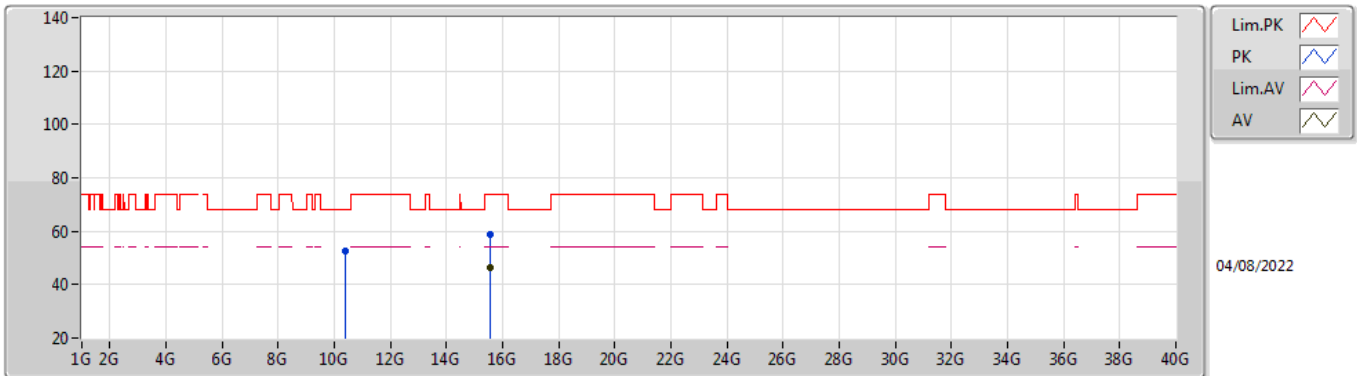


EUT Y_4TX
Setting 71
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1476G	63.21	74.00	-10.79	55.09	3	Horizontal	12	1.73	-	33.60	5.25	30.73
AV	5.1472G	51.77	54.00	-2.23	43.66	3	Horizontal	12	1.73	-	33.59	5.25	30.73
PK	5.1772G	115.53	Inf	-Inf	107.33	3	Horizontal	12	1.73	-	33.65	5.28	30.73
AV	5.1768G	103.43	Inf	-Inf	95.23	3	Horizontal	12	1.73	-	33.65	5.28	30.73

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

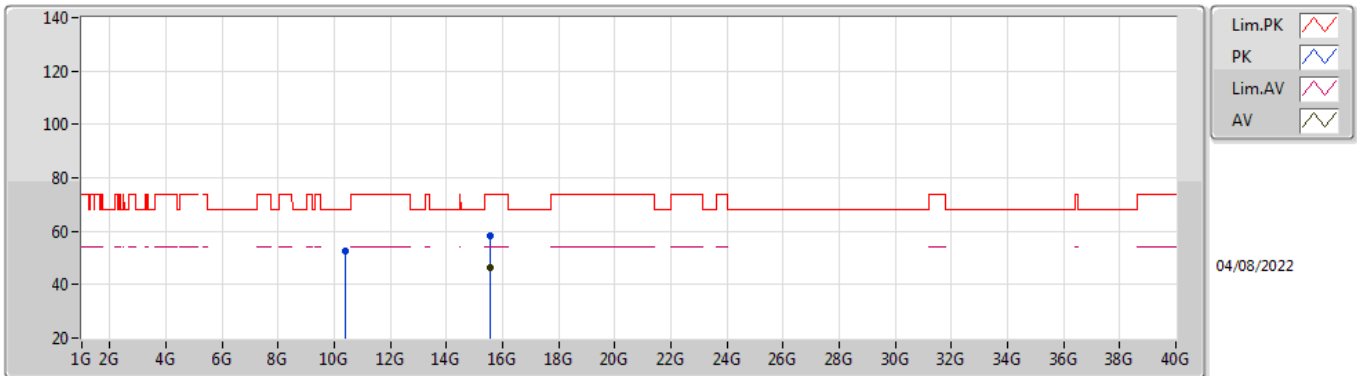


EUT Y_4TX
Setting 71
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.37624G	52.69	68.20	-15.51	38.45	3	Vertical	208	3.00	-	38.62	7.45	31.83
PK	15.5732G	58.71	74.00	-15.29	42.61	3	Vertical	164	1.02	-	37.66	9.81	31.37
AV	15.56732G	46.30	54.00	-7.70	30.16	3	Vertical	164	1.02	-	37.70	9.81	31.37

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

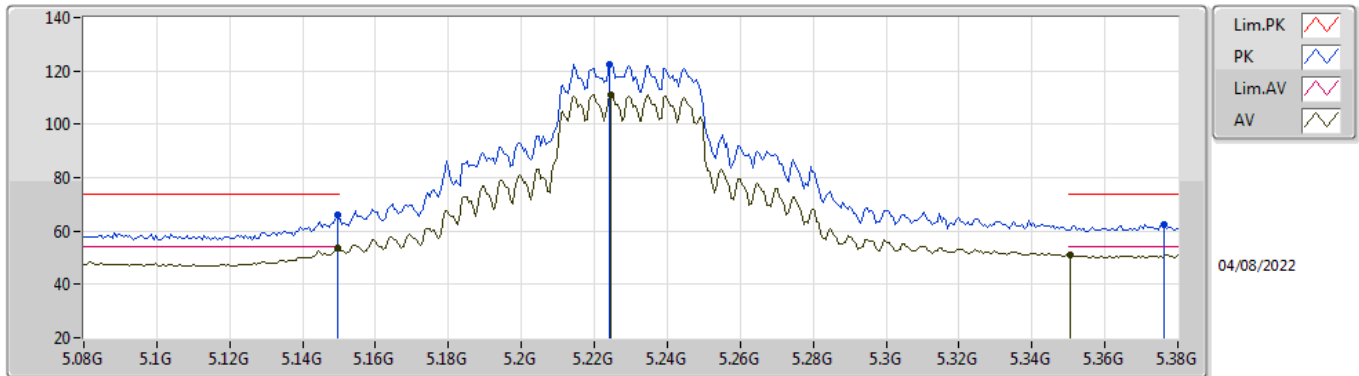


EUT Y_4TX
Setting 71
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.37104G	52.79	68.20	-15.41	38.54	3	Horizontal	340	2.04	-	38.63	7.45	31.83
PK	15.57108G	58.03	74.00	-15.97	41.92	3	Horizontal	48	2.70	-	37.67	9.81	31.37
AV	15.56432G	46.34	54.00	-7.66	30.19	3	Horizontal	48	2.70	-	37.71	9.80	31.36

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

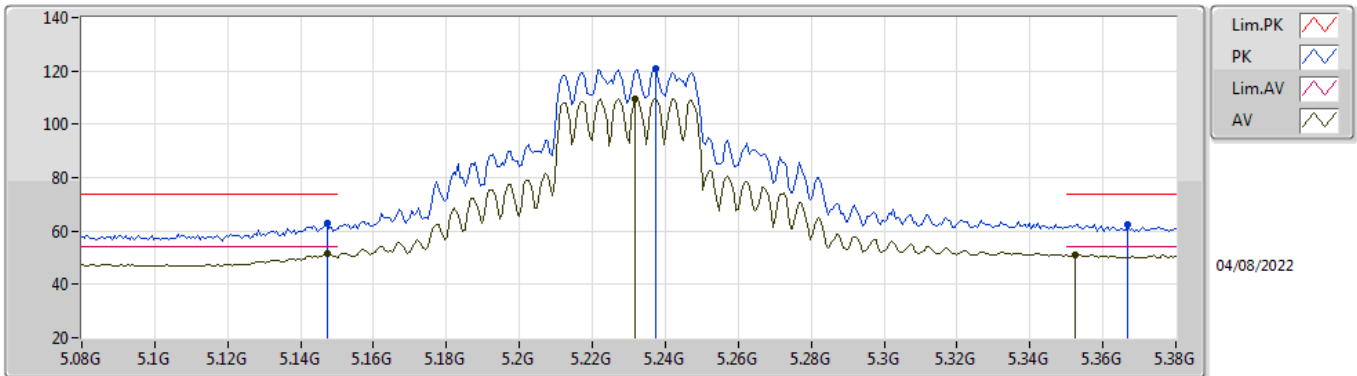


EUT V_4TX
Setting 92
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	65.92	74.00	-8.08	57.80	3	Vertical	352	2.33	-	33.60	5.25	30.73
AV	5.1496G	53.78	54.00	-0.22	45.66	3	Vertical	352	2.33	-	33.60	5.25	30.73
PK	5.224G	122.58	Inf	-Inf	114.30	3	Vertical	352	2.33	-	33.70	5.31	30.73
AV	5.2246G	111.15	Inf	-Inf	102.87	3	Vertical	352	2.33	-	33.70	5.31	30.73
PK	5.3764G	62.52	74.00	-11.48	53.90	3	Vertical	352	2.33	-	33.95	5.39	30.72
AV	5.3506G	51.16	54.00	-2.84	42.60	3	Vertical	352	2.33	-	33.90	5.38	30.72

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

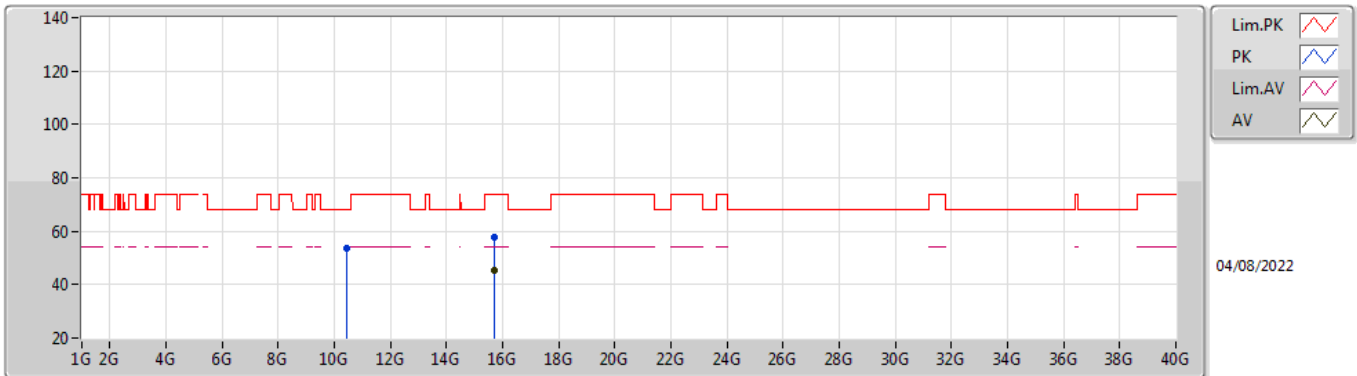


EUT V_4TX
Setting 92
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1472G	62.91	74.00	-11.09	54.80	3	Horizontal	16	1.51	-	33.59	5.25	30.73
AV	5.1472G	51.64	54.00	-2.36	43.53	3	Horizontal	16	1.51	-	33.59	5.25	30.73
PK	5.2372G	121.00	Inf	-Inf	112.71	3	Horizontal	16	1.51	-	33.70	5.32	30.73
AV	5.2318G	109.57	Inf	-Inf	101.28	3	Horizontal	16	1.51	-	33.70	5.32	30.73
PK	5.3668G	62.66	74.00	-11.34	54.07	3	Horizontal	16	1.51	-	33.93	5.38	30.72
AV	5.3524G	51.19	54.00	-2.81	42.63	3	Horizontal	16	1.51	-	33.90	5.38	30.72

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

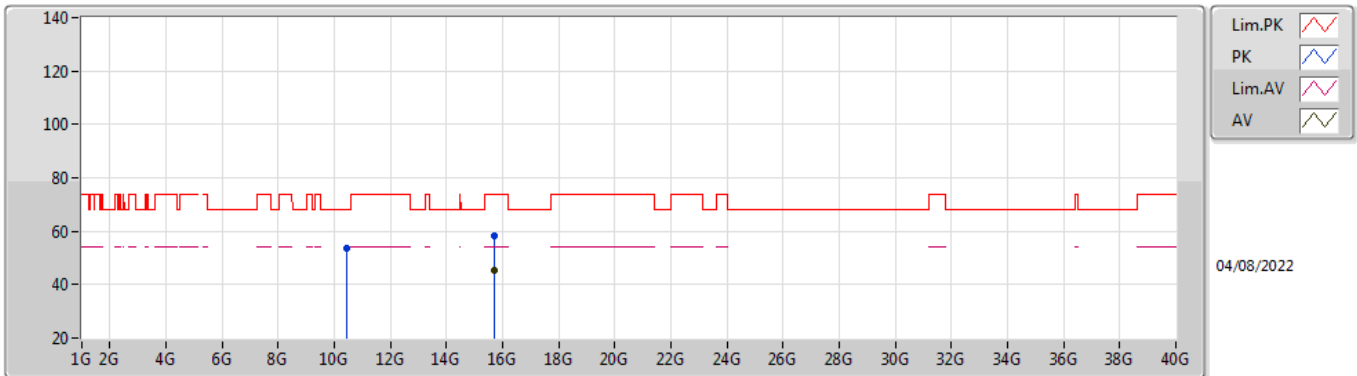


EUT Y_4TX
Setting 92
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.46572G	53.56	68.20	-14.64	39.31	3	Vertical	255	1.44	-	38.60	7.49	31.84
PK	15.68564G	57.95	74.00	-16.05	42.02	3	Vertical	79	1.23	-	37.50	9.86	31.43
AV	15.68048G	45.50	54.00	-8.50	29.56	3	Vertical	79	1.23	-	37.50	9.86	31.42

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

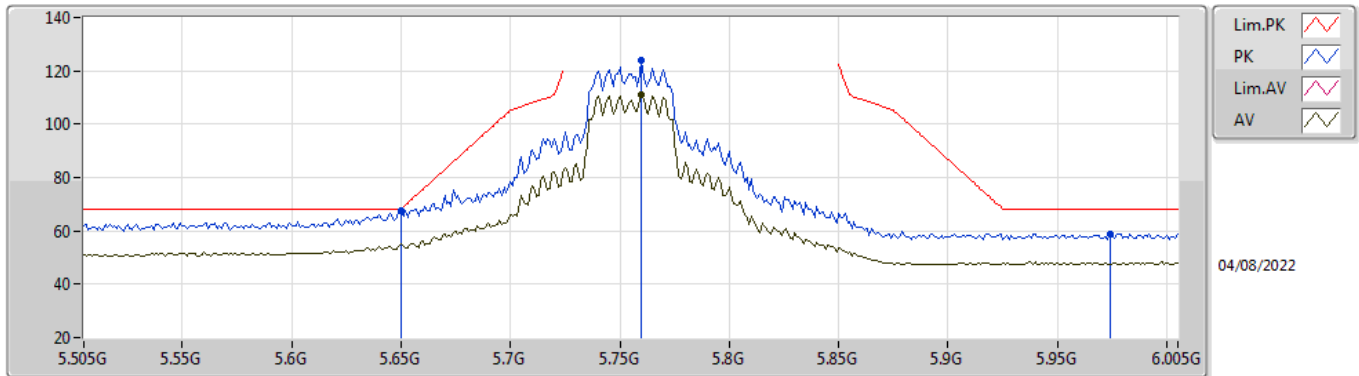


EUT Y_4TX
Setting 92
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4556G	53.76	68.20	-14.44	39.52	3	Horizontal	326	2.63	-	38.60	7.48	31.84
PK	15.68776G	58.06	74.00	-15.94	42.13	3	Horizontal	318	2.26	-	37.50	9.86	31.43
AV	15.68128G	45.54	54.00	-8.46	29.60	3	Horizontal	318	2.26	-	37.50	9.86	31.42

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

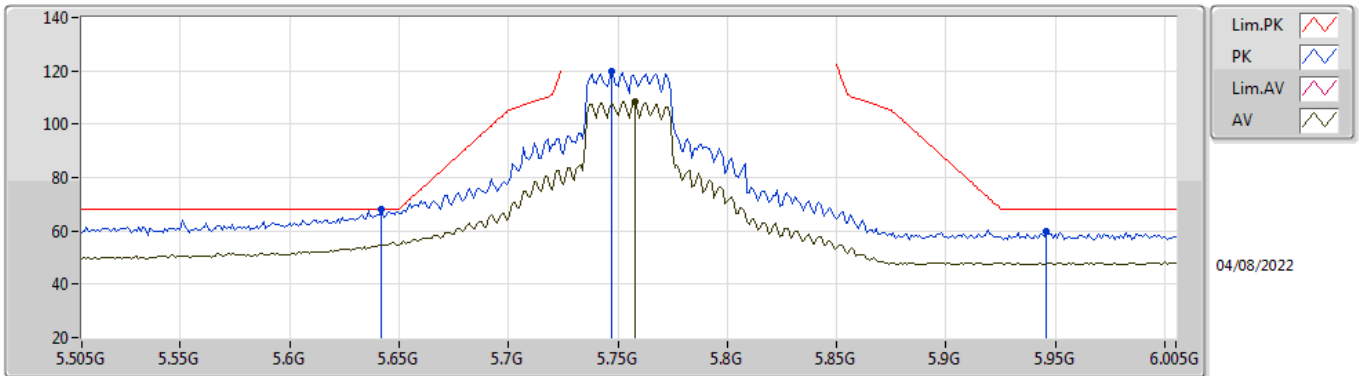


EUT Y_4TX
Setting 97
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	67.83	68.20	-0.37	59.26	3	Vertical	13	1.80	-	33.80	5.60	30.83
PK	5.76G	124.02	Inf	-Inf	115.54	3	Vertical	13	1.80	-	33.80	5.60	30.92
AV	5.76G	111.13	Inf	-Inf	102.65	3	Vertical	13	1.80	-	33.80	5.60	30.92
PK	5.974G	58.96	68.20	-9.24	50.07	3	Vertical	13	1.80	-	34.20	5.77	31.08

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

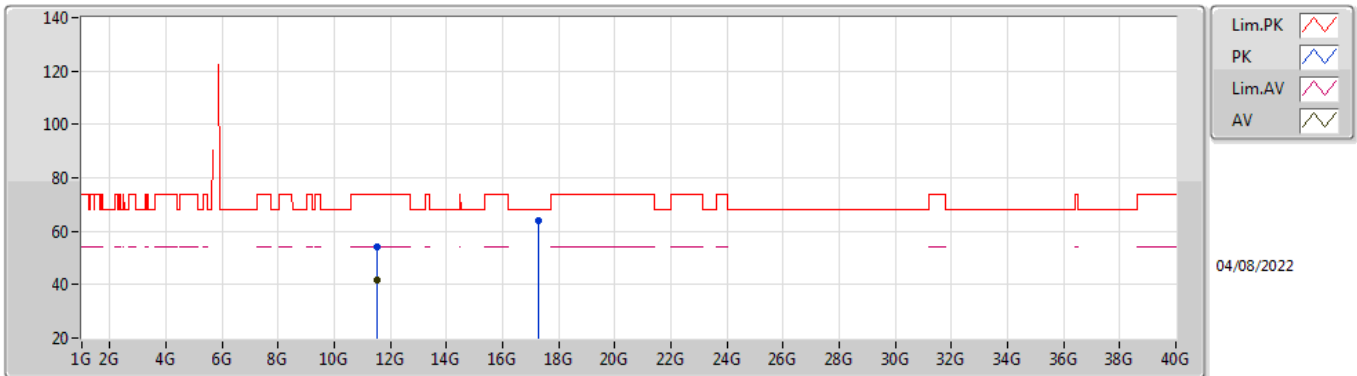


EUT Y_4TX
Setting 97
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.642G	67.89	68.20	-0.31	59.30	3	Horizontal	356	2.97	-	33.82	5.60	30.83
PK	5.747G	119.79	Inf	-Inf	111.29	3	Horizontal	356	2.97	-	33.81	5.60	30.91
AV	5.758G	108.49	Inf	-Inf	100.01	3	Horizontal	356	2.97	-	33.80	5.60	30.92
PK	5.946G	59.57	68.20	-8.63	50.69	3	Horizontal	356	2.97	-	34.19	5.75	31.06

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

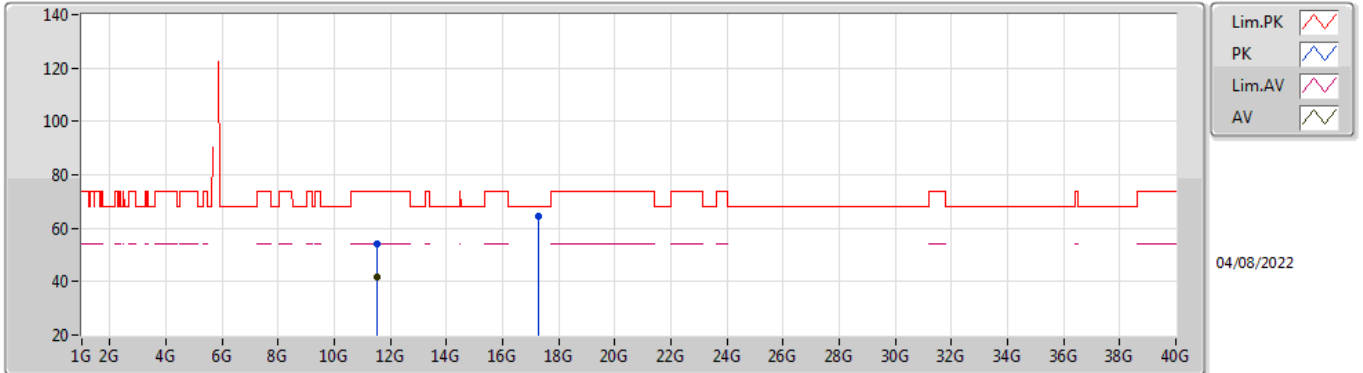


EUT Y_4TX
Setting 97
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.51828G	54.20	74.00	-19.80	39.37	3	Vertical	89	2.50	-	39.05	7.91	32.13
AV	11.51776G	41.88	54.00	-12.12	27.05	3	Vertical	89	2.50	-	39.05	7.91	32.13
PK	17.26444G	64.06	68.20	-4.14	41.34	3	Vertical	107	1.68	-	42.32	10.63	30.23

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

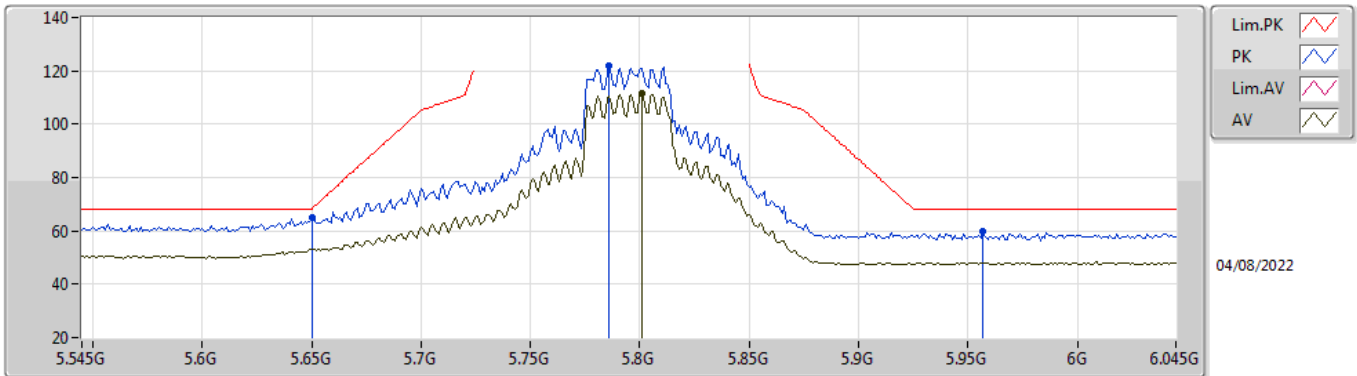


EUT Y_4TX
Setting 97
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.50804G	54.14	74.00	-19.86	39.34	3	Horizontal	334	2.90	-	39.02	7.90	32.12
AV	11.51592G	41.82	54.00	-12.18	26.99	3	Horizontal	334	2.90	-	39.05	7.91	32.13
PK	17.2614G	64.40	68.20	-3.80	41.69	3	Horizontal	314	2.06	-	42.31	10.63	30.23

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

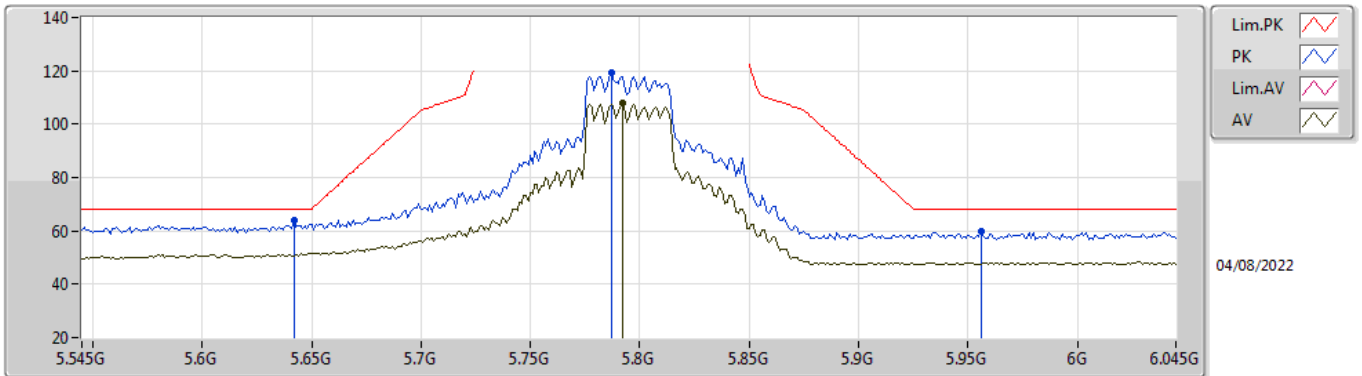


EUT Y_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	64.97	68.20	-3.23	56.40	3	Vertical	358	2.89	-	33.80	5.60	30.83
PK	5.786G	122.14	Inf	-Inf	113.68	3	Vertical	358	2.89	-	33.80	5.60	30.94
AV	5.801G	111.56	Inf	-Inf	103.11	3	Vertical	358	2.89	-	33.80	5.60	30.95
PK	5.957G	60.00	68.20	-8.20	51.11	3	Vertical	358	2.89	-	34.20	5.76	31.07

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom



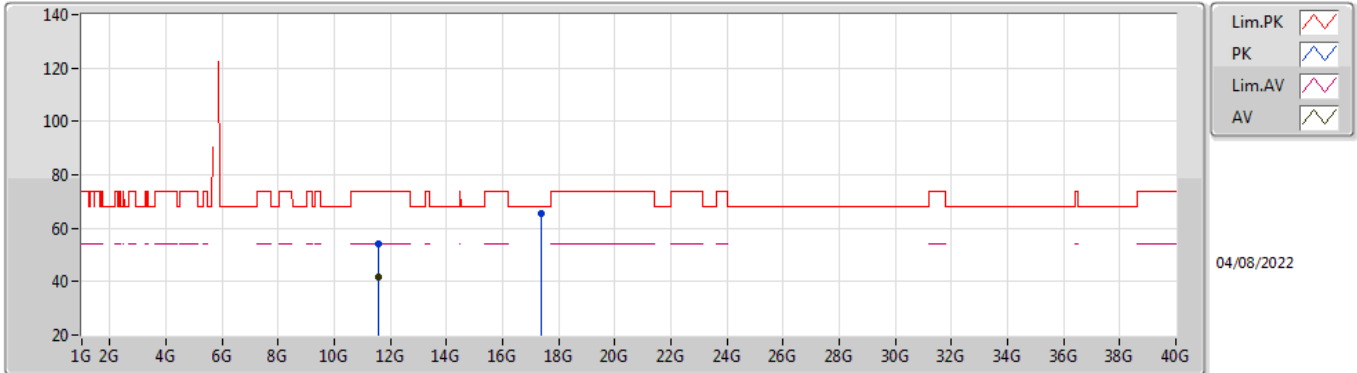
04/08/2022

EUT Y_4TX
Setting 99
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.642G	64.05	68.20	-4.15	55.46	3	Horizontal	357	2.76	-	33.82	5.60	30.83
PK	5.787G	119.31	Inf	-Inf	110.85	3	Horizontal	357	2.76	-	33.80	5.60	30.94
AV	5.792G	107.68	Inf	-Inf	99.22	3	Horizontal	357	2.76	-	33.80	5.60	30.94
PK	5.956G	60.07	68.20	-8.13	51.18	3	Horizontal	357	2.76	-	34.20	5.76	31.07

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

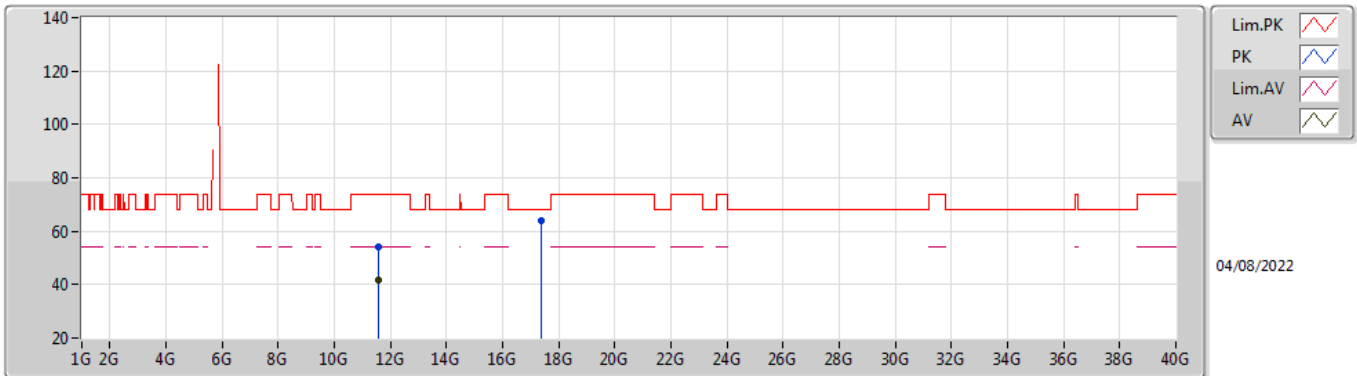


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.58304G	54.00	74.00	-20.00	38.99	3	Vertical	48	2.39	-	39.25	7.93	32.17
AV	11.58612G	41.67	54.00	-12.33	26.65	3	Vertical	48	2.39	-	39.26	7.93	32.17
PK	17.39388G	65.60	68.20	-2.60	42.06	3	Vertical	293	2.37	-	43.06	10.70	30.22

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

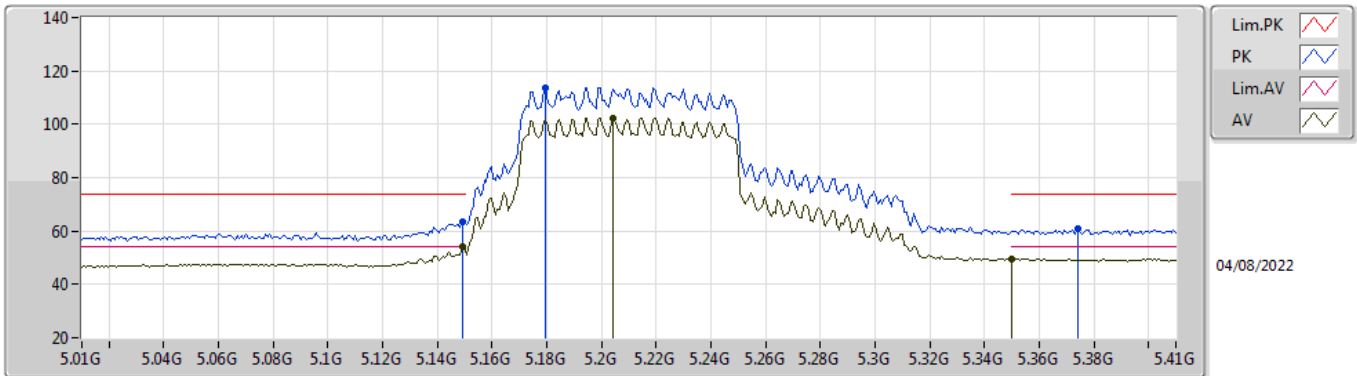


EUT Y_4TX
Setting 99
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.58148G	54.15	74.00	-19.85	39.15	3	Horizontal	18	2.53	-	39.24	7.93	32.17
AV	11.58844G	41.61	54.00	-12.39	26.57	3	Horizontal	18	2.53	-	39.27	7.94	32.17
PK	17.3762G	64.18	68.20	-4.02	40.75	3	Horizontal	271	1.53	-	42.96	10.69	30.22

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

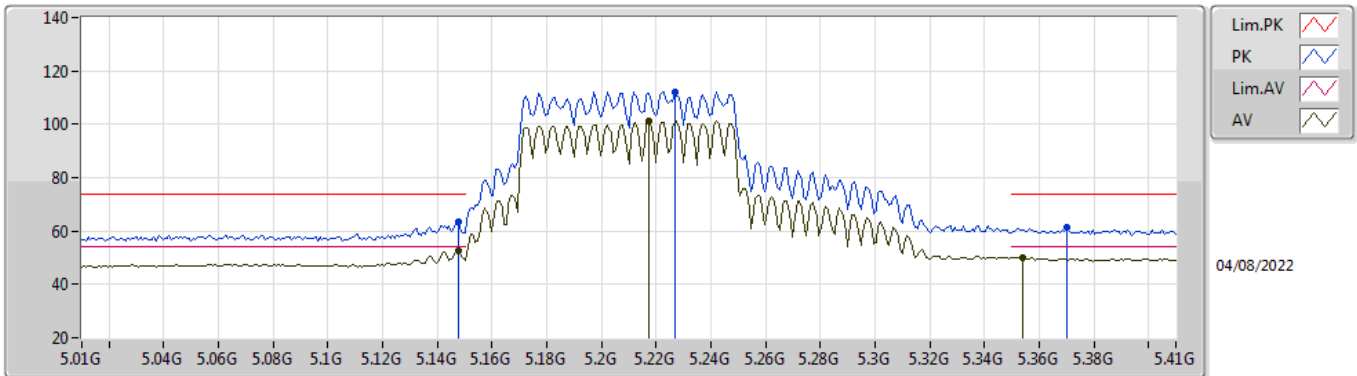


EUT V_4TX
Setting 71
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1492G	63.41	74.00	-10.59	55.29	3	Vertical	349	2.24	-	33.60	5.25	30.73
AV	5.1492G	53.89	54.00	-0.11	45.77	3	Vertical	349	2.24	-	33.60	5.25	30.73
PK	5.1796G	113.85	Inf	-Inf	105.64	3	Vertical	349	2.24	-	33.66	5.28	30.73
AV	5.2044G	102.35	Inf	-Inf	94.08	3	Vertical	349	2.24	-	33.70	5.30	30.73
PK	5.374G	60.72	74.00	-13.28	52.10	3	Vertical	349	2.24	-	33.95	5.39	30.72
AV	5.35G	49.71	54.00	-4.29	41.15	3	Vertical	349	2.24	-	33.90	5.38	30.72

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

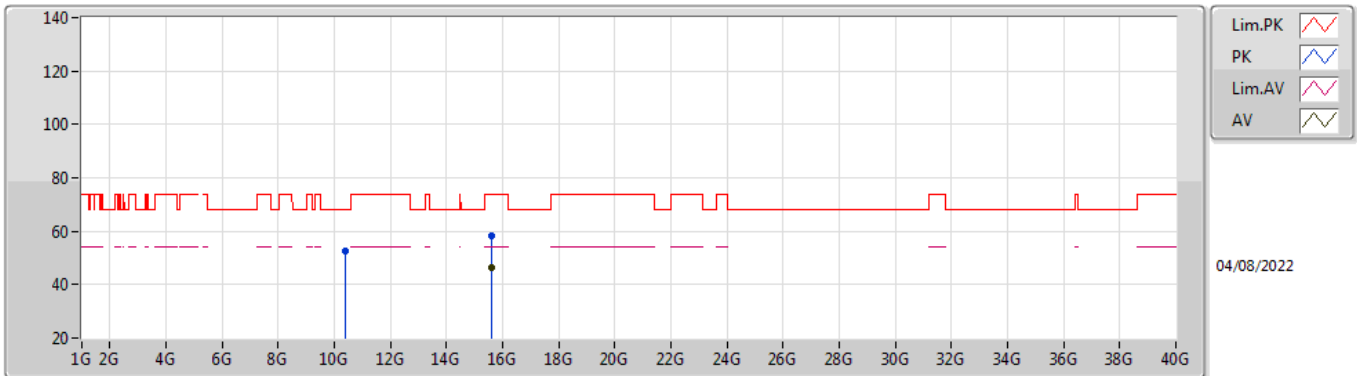


EUT_V_4TX
Setting 71
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1476G	63.65	74.00	-10.35	55.53	3	Horizontal	11	1.58	-	33.60	5.25	30.73
AV	5.1476G	52.39	54.00	-1.61	44.27	3	Horizontal	11	1.58	-	33.60	5.25	30.73
PK	5.2268G	112.25	Inf	-Inf	103.97	3	Horizontal	11	1.58	-	33.70	5.31	30.73
AV	5.2172G	101.30	Inf	-Inf	93.02	3	Horizontal	11	1.58	-	33.70	5.31	30.73
PK	5.37G	61.18	74.00	-12.82	52.57	3	Horizontal	11	1.58	-	33.94	5.39	30.72
AV	5.354G	50.11	54.00	-3.89	41.54	3	Horizontal	11	1.58	-	33.91	5.38	30.72

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

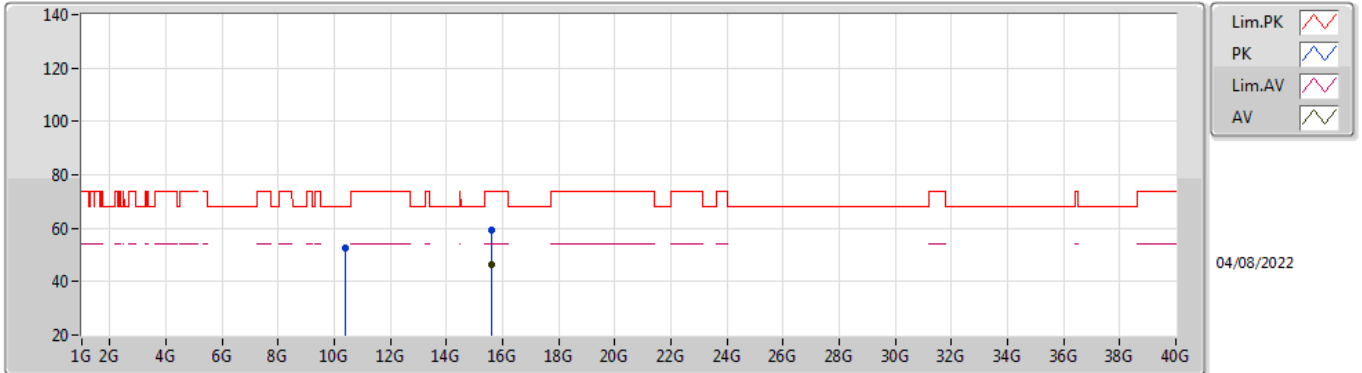


EUT Y_4TX
Setting 71
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.41484G	52.84	68.20	-15.36	38.61	3	Vertical	155	1.06	-	38.60	7.47	31.84
PK	15.623G	58.12	74.00	-15.88	42.18	3	Vertical	274	1.68	-	37.50	9.83	31.39
AV	15.62068G	46.28	54.00	-7.72	30.34	3	Vertical	274	1.68	-	37.50	9.83	31.39

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

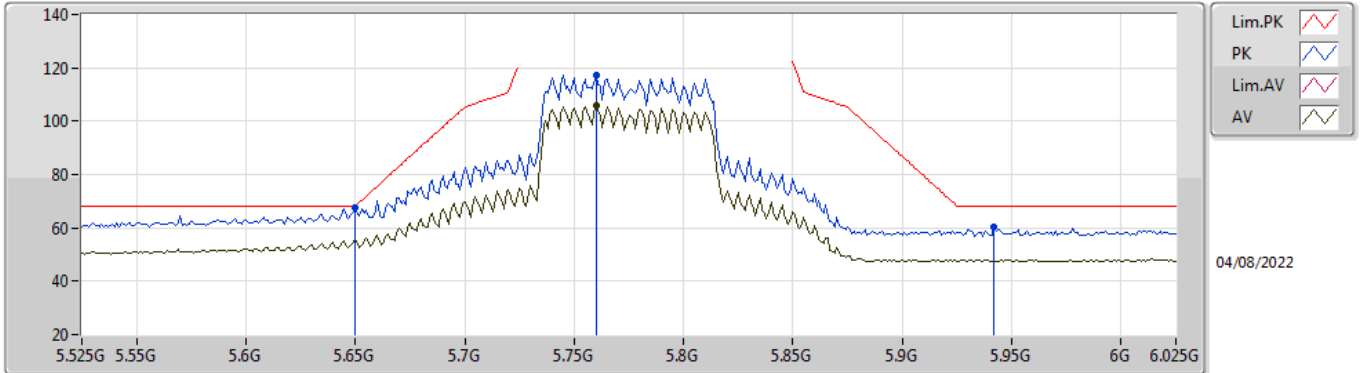


EUT Y_4TX
Setting 71
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.41168G	52.44	68.20	-15.76	38.22	3	Horizontal	29	3.00	-	38.60	7.46	31.84
PK	15.63036G	59.36	74.00	-14.64	43.43	3	Horizontal	87	1.77	-	37.50	9.83	31.40
AV	15.6256G	46.19	54.00	-7.81	30.26	3	Horizontal	87	1.77	-	37.50	9.83	31.40

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

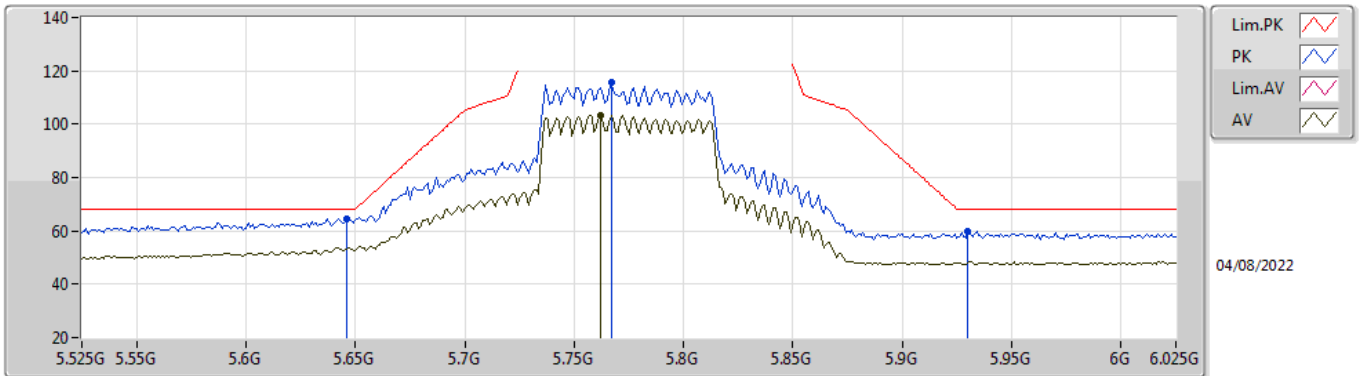


EUT Y_4TX
Setting 89
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	67.52	68.20	-0.68	58.95	3	Vertical	15	1.83	-	33.80	5.60	30.83
PK	5.76G	117.27	Inf	-Inf	108.79	3	Vertical	15	1.83	-	33.80	5.60	30.92
AV	5.76G	105.80	Inf	-Inf	97.32	3	Vertical	15	1.83	-	33.80	5.60	30.92
PK	5.942G	60.17	68.20	-8.03	51.31	3	Vertical	15	1.83	-	34.18	5.74	31.06

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

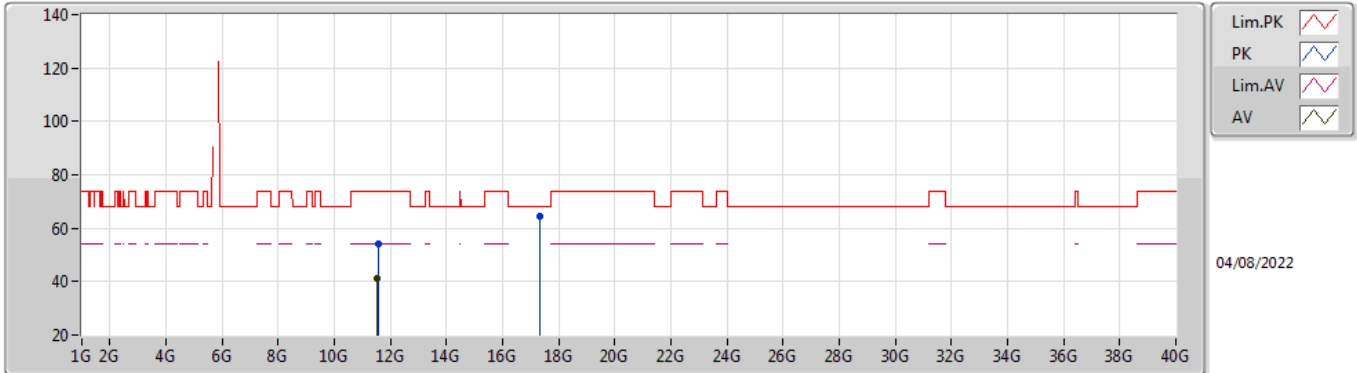


EUT Y_4TX
Setting 89
02-F-K-3-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.646G	64.44	68.20	-3.76	55.86	3	Horizontal	354	2.80	-	33.81	5.60	30.83
PK	5.767G	115.51	Inf	-Inf	107.03	3	Horizontal	354	2.80	-	33.80	5.60	30.92
AV	5.762G	103.38	Inf	-Inf	94.90	3	Horizontal	354	2.80	-	33.80	5.60	30.92
PK	5.93G	59.95	68.20	-8.25	51.11	3	Horizontal	354	2.80	-	34.16	5.73	31.05

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

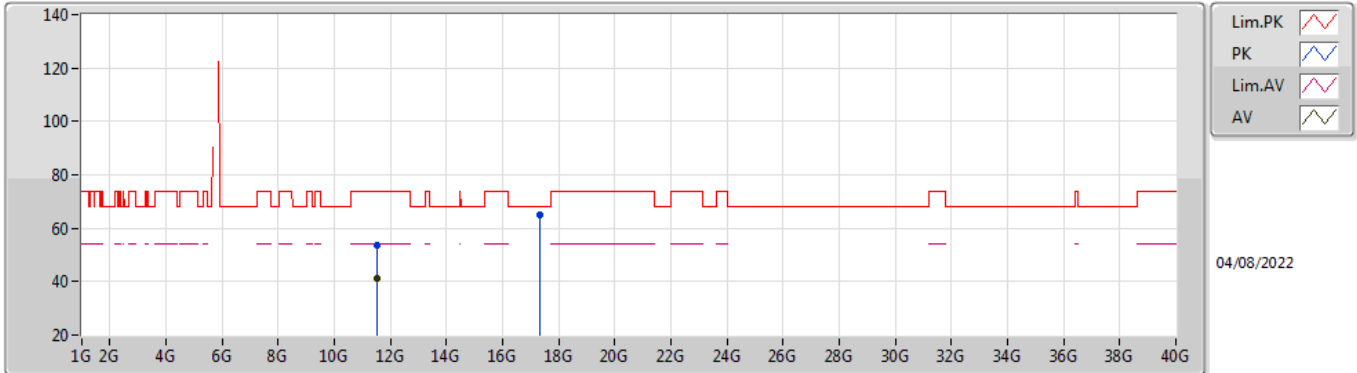


EUT Y_4TX
Setting 89
02-F-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.55168G	54.21	74.00	-19.79	39.28	3	Vertical	75	2.20	-	39.16	7.92	32.15
AV	11.54604G	41.31	54.00	-12.69	26.40	3	Vertical	75	2.20	-	39.14	7.92	32.15
PK	17.32436G	64.29	68.20	-3.91	41.21	3	Vertical	196	2.65	-	42.65	10.66	30.23

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom



EUT Y_4TX
Setting 89
02-F-G-4

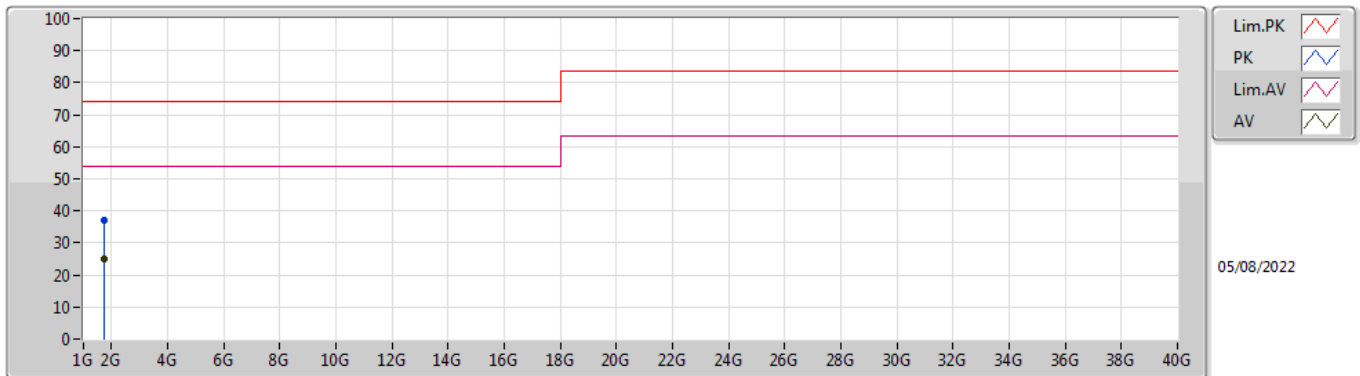
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.54048G	53.44	74.00	-20.56	38.54	3	Horizontal	100	2.11	-	39.12	7.92	32.14
AV	11.54888G	41.42	54.00	-12.58	26.50	3	Horizontal	100	2.11	-	39.15	7.92	32.15
PK	17.32488G	65.09	68.20	-3.11	42.01	3	Horizontal	32	2.71	-	42.65	10.66	30.23



Summary

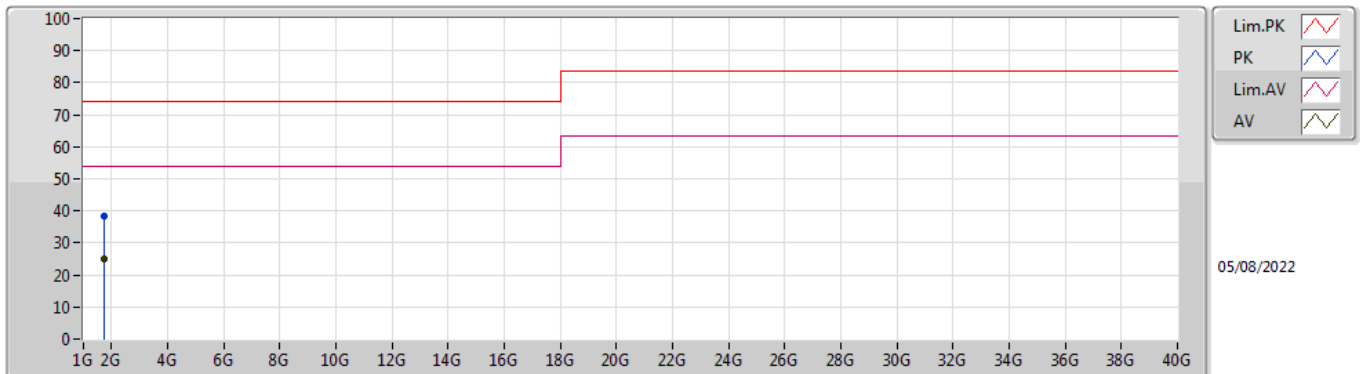
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.74456G	25.13	54.00	-28.87	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.74276G	37.17	74.00	-36.83	-4.45	3	Vertical	111	1.50	-	41.62	26.46	4.40	35.31
AV	1.74456G	25.13	54.00	-28.87	-4.44	3	Vertical	111	1.50	"Worst"	29.57	26.47	4.40	35.31

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.73022G	38.52	74.00	-35.48	-4.53	3	Horizontal	221	1.50	-	43.05	26.38	4.40	35.31
AV	1.74418G	25.00	54.00	-29.00	-4.44	3	Horizontal	221	1.50	"Worst"	29.44	26.47	4.40	35.31