



RADIO TEST REPORT

FCC ID : UIDTG6452

Equipment : Cable Modem

Brand Name : ARRIS

Model Name : TG6452, DG6450

Applicant : ARRIS
3871 Lakefield Drive Suite 300 SUWANEE Georgia
United States 30024

Manufacturer : ARRIS
3871 Lakefield Drive Suite 300 SUWANEE Georgia
United States 30024

Standard : 47 CFR FCC Part 15.407

The product was received on Mar. 22, 2022, and testing was started from Apr. 09, 2022 and completed on May 31, 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.)



Table of Contents

History of this test report.....3

Summary of Test Result.....4

1 General Description5

1.1 Information.....5

1.2 Applicable Standards9

1.3 Testing Location Information.....9

1.4 Measurement Uncertainty10

2 Test Configuration of EUT11

2.1 Test Channel Mode11

2.2 The Worst Case Measurement Configuration.....13

2.3 EUT Operation during Test14

2.4 Accessories14

2.5 Support Equipment.....15

2.6 Test Setup Diagram17

3 Transmitter Test Result22

3.1 AC Power-line Conducted Emissions22

3.2 Emission Bandwidth.....24

3.3 Maximum Output Power.....26

3.4 Power Spectral Density28

3.5 Unwanted Emissions.....32

4 Test Equipment and Calibration Data37

Appendix A. Test Results of AC Power-line Conducted Emissions

Appendix B. Test Results of Emission Bandwidth

Appendix C. Test Results of Maximum Output Power

Appendix D. Test Results of Power Spectral Density

Appendix E. Test Results of Unwanted Emissions

Appendix F. Test Results of Radiated Emission Co-location

Appendix G. Test Photos

Photographs of EUT v01



History of this test report

Report No.	Version	Description	Issued Date
FR232223AB	01	Initial issue of report	Jul. 20, 2022



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: **Sam Chen**

Report Producer: **Viola Huang**



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20-BF	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11n HT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	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, 1024QAM modulation.
- ♦ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	RF Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	Wanshih	BBGWIFI0038A	PCB Antenna	I-PEX	Note 1
2	2	Wanshih	BBGWIFI0038A	PCB Antenna	I-PEX	
3	3	Wanshih	BBGWIFI0038A	PCB Antenna	I-PEX	
4	4	Wanshih	BBGWIFI0038A	PCB Antenna	I-PEX	
5	-	Wanshih	WPB720	PCB Antenna	I-PEX	

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
1	3.21	2.34	2.39	3.23	3.3
2	3.33	3.53	2.83	2.83	3.93
3	4.48	2.9	3.39	2.64	2.86
4	4.51	3.93	4.55	3.74	4.25
Item	Directional Gain (dBi)				
4T1S	5.71	4.85	4.66	4.57	5.24
4T2S	4.51	3.93	4.55	3.74	4.25
4T4S	4.51	3.93	4.55	3.74	4.25

Note 2: The above information was declared by manufacturer.

Note 3: The EUT has five antennas

Note 4: The brand/model/antenna type information was declared by manufacturer.

Note 5: Maximum Directional Gain following KDB662911 D03.

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

Note 6: There is no function for antenna 5. The DFS band was not enabled.

<WLAN 2.4GHz Function>

For IEEE 802.11b (1TX/4RX):

The EUT supports the Port 1~Port 4 with TX diversity function.

Port 1 generated the worst case than others, so it is tested and recorded in the report.

Port 1~Port 4 can be used as receiving antennas.

Port 1~Port 4 could receive simultaneously.

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

Port 1~Port 4 can be used as transmitting/receiving antenna.

Port 1~Port 4 could transmit/receive simultaneously.

<WLAN 5GHz Function>

For IEEE 802.11a (1TX/4RX):

The EUT supports the Port 1~Port 4 with TX diversity function.

Port 4 generated the worst case than others, so it is tested and recorded in the report.

Port 1~Port 4 can be used as receiving antennas.



Port 1~Port 4 could receive simultaneously.

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

Port 1~Port 4 can be used as transmitting/receiving antenna.

Port 1~Port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.994	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.994	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW80	0.978	0.1	960u	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 checked="" type="checkbox"/> With beamforming	<input type="checkbox"/> Without beamforming		
	The product has beamforming function for 11ax in 2.4GHz, 11n/11ac/11ax in 5GHz.			
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	intel DUT GUI Version 610.36			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Model Name	EUT No.	Voice function
TG6452	EUT 1	V
DG6450	EUT 2	X

Note 1: From the above models, EUT 1 was selected for all test and recorded in this report, EUT 2 was selected for AC Power-line Conducted Emissions and Unwanted Emissions 1GHz test and recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	EUT No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	EUT 1	Jay Lo	24.1~24.6 / 63~65	Apr. 15, 2022~May 31, 2022
Radiated Below 1GHz	03CH05-CB	EUT 1	Kevin Huang	24.2~26.1 / 55~58	Apr. 18, 2022~Apr. 19, 2022
		EUT 2	Kevin Huang	23.8~24.9 / 55~58	Apr. 18, 2022~Apr. 19, 2022
Radiated above 1GHz (For other tests)	03CH04-CB	EUT 1	Gino Huang	23.1~24.2 / 55~58	Apr. 09, 2022~May 27, 2022
Radiated above 1GHz (For co-location test)	03CH05-CB	EUT 1	Gino Huang	24.2~26.1 / 55~58	Apr. 09, 2022~May 27, 2022
AC Conduction	CO01-CB	EUT 1~EUT 2	Joe Chu	20~22 / 60~62	Apr. 27, 2022



1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	23.5
5200MHz	28
5240MHz	26
5745MHz	29
5785MHz	29
5825MHz	29
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	22
5200MHz	24.5
5240MHz	24.5
5745MHz	25
5785MHz	24.5
5825MHz	24.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	20.5
5230MHz	24
5755MHz	25
5795MHz	25
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	18.5
5775MHz	21
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	22
5200MHz	24.5
5240MHz	24.5
5745MHz	25
5785MHz	24.5
5825MHz	24.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	20.5
5230MHz	24
5755MHz	25
5795MHz	25
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	18.5



Mode	Power Setting
5775MHz	21

Note:

- ♦ Evaluated HEW20/HEW40/HEW80 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.
- ♦ The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT 1 with adapter
2	EUT 2 with adapter

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
1	EUT 1 with adapter

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT 1 in X axis with Adapter
2	EUT 1 in Y axis with Adapter
3	EUT 1 in Z axis with Adapter
4	EUT 2 in X axis with Adapter
5	EUT 2 in Y axis with Adapter
6	EUT 2 in Z axis with Adapter
For operating mode 3 and mode 5 is the worst case and they were 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 as below. So the measurement will follow this same test configuration.
1	EUT 1 in Y axis_For 1TX
2	EUT 1 in Y axis_For 4TX



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	The EUT was performed at X axis, Y axis and Z axis position for Unwanted Emissions above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT 1 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
Refer to Sporton Test Report No.: FA232223 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	NetBit	NBS42D120350VU	INPUT: 100-240V~, 50/60Hz, 1.0A OUTPUT: 12.0V, 3.5A
Others			
RJ-45 cable: Non-shielded, 1.5m			



2.5 Support Equipment

For AC Conduction:

For EUT 1

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	2.5G LAN PC	DELL	E6430	N/A
B	1G LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	CO NB	DELL	E6430	N/A
F	Phone	SAMPO	HT-B 907WL	N/A
G	Phone	SAMPO	HT-B 907WL	N/A
H	CO	CASA SYSTEMS	C2200	N/A

For EUT 2

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	2.5G LAN PC	DELL	E6430	N/A
B	1G LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	CO	CASA SYSTEMS	C2200	N/A
F	CO NB	DELL	E6430	N/A

For Radiated (below 1GHz):

For EUT 1

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Phone	PHILIPS	M20	N/A
B	Phone	PHILIPS	M20	N/A
C	WLAN Card(2.5G LAN)	ASUS	PCE-88U	N/A
D	Notebook(2.4G)	DELL	E4300	N/A
E	Notebook(5G)	DELL	E4300	N/A
F	Notebook(LAN)	DELL	E4300	N/A
G	CO	CASA SYSTEMS	C2200	N/A



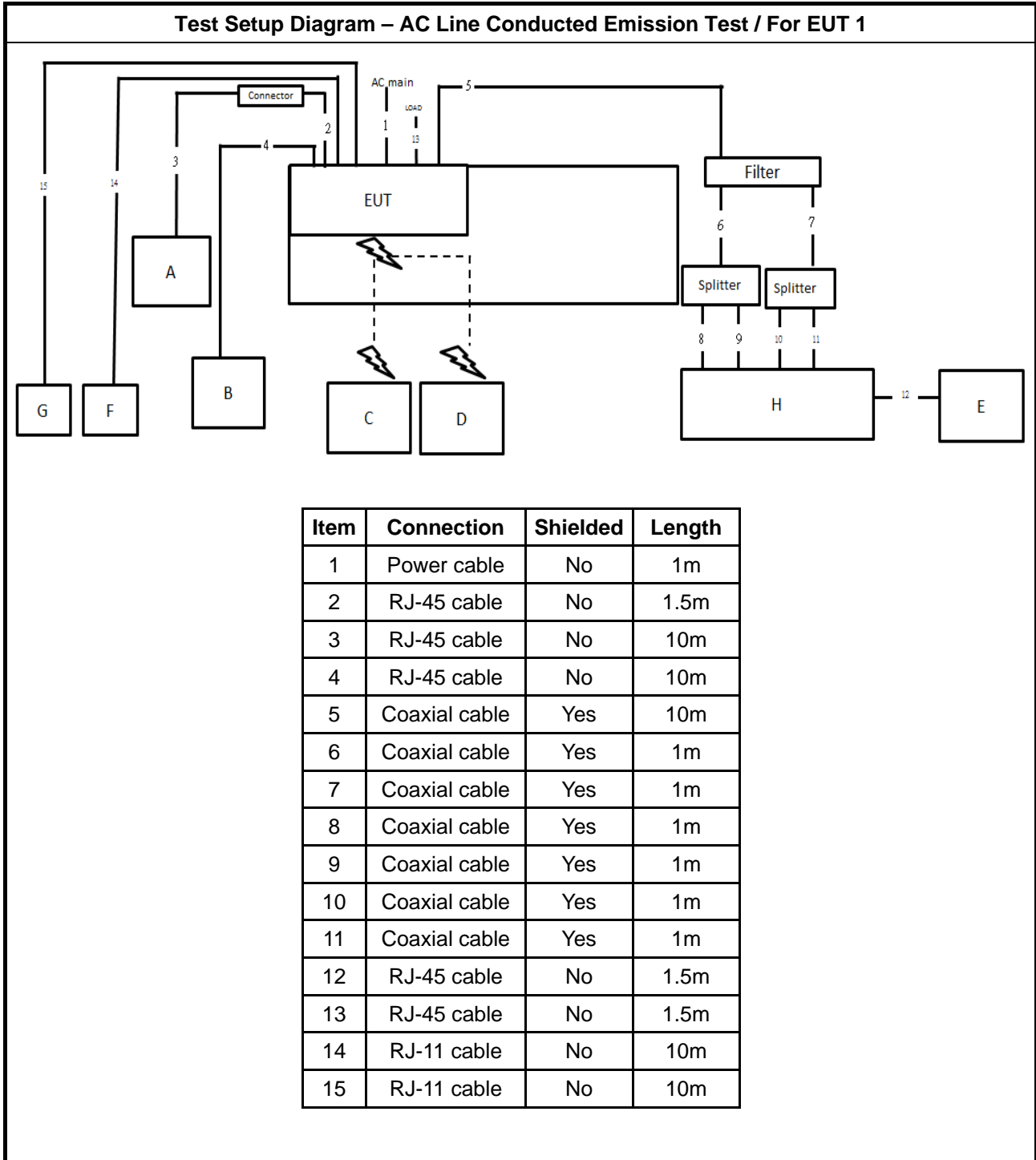
For EUT 2

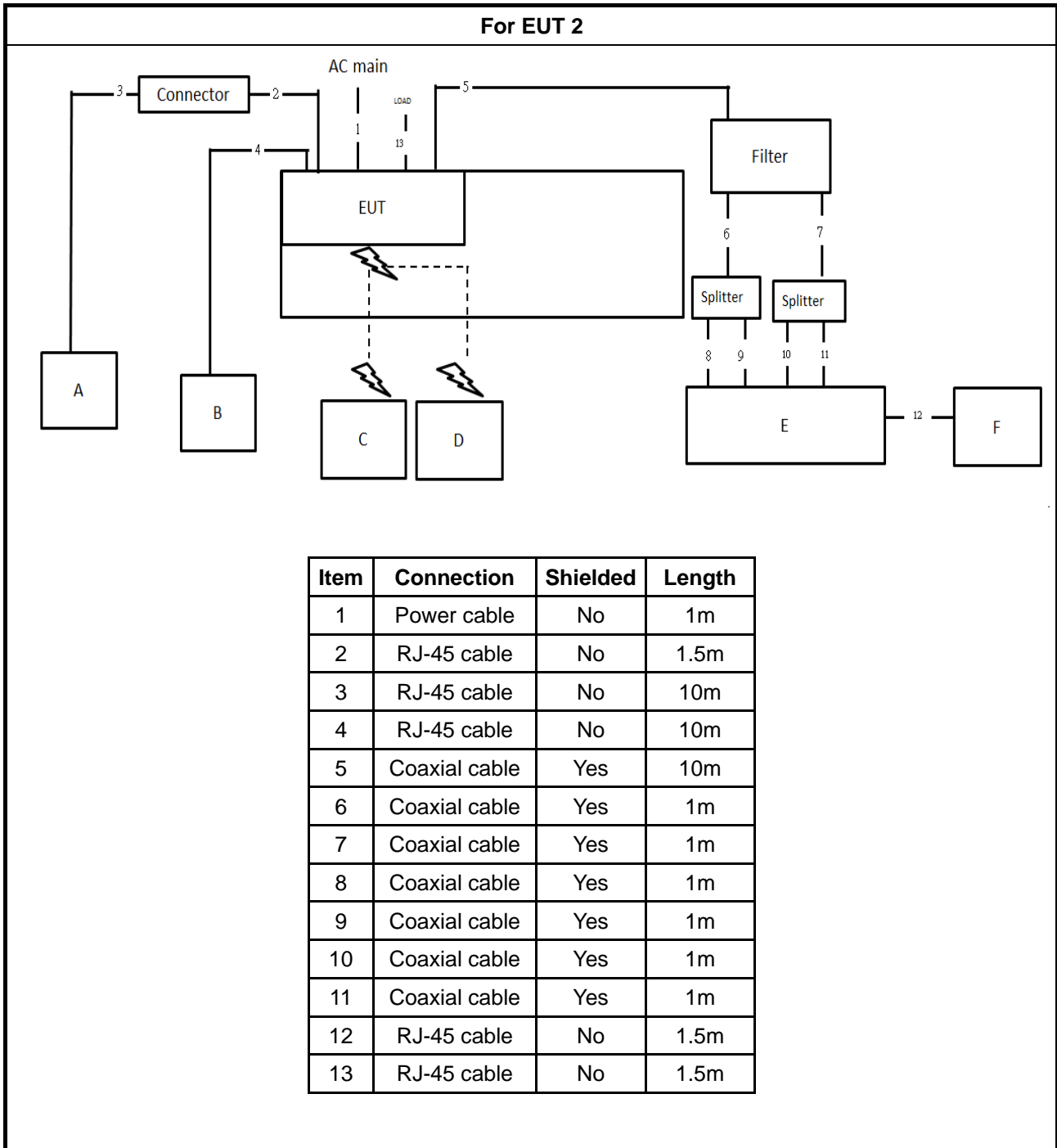
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WLAN Card(2.5G LAN)	ASUS	PCE-88U	MSQ-PCIE0U00
B	NB (2.4G)	DELL	E4300	N/A
C	NB (5G)	DELL	E4300	N/A
D	NB (LAN)	DELL	E4300	N/A
E	CO	CASA SYSTEMS	C2200	N/A
F	NB (CO)	DELL	E4300	N/A

For Radiated (above 1GHz) and RF Conducted:

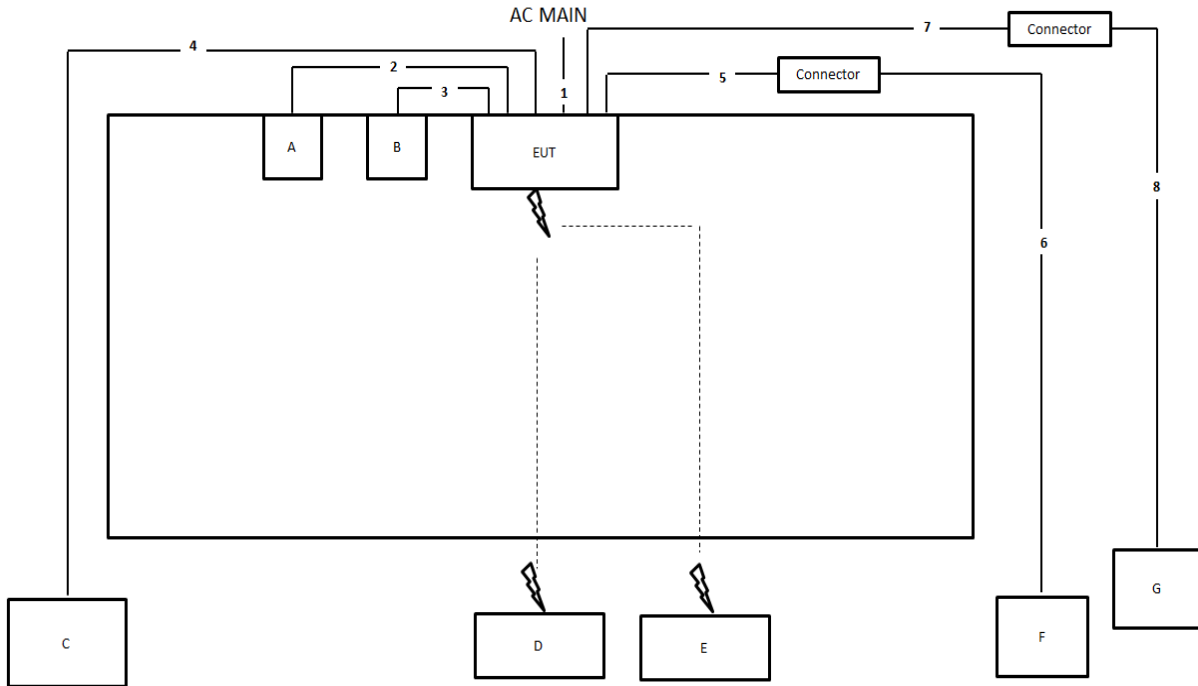
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram

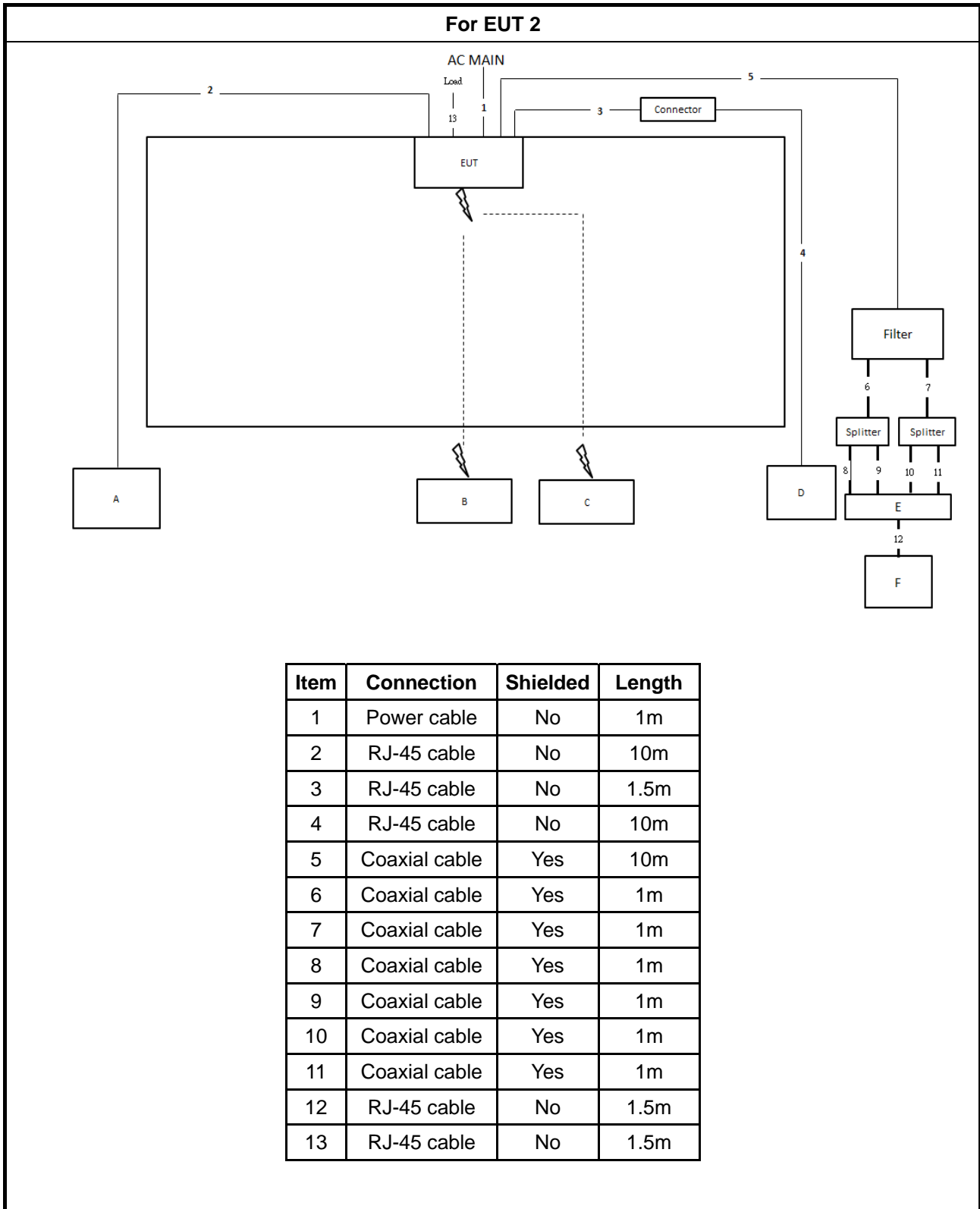


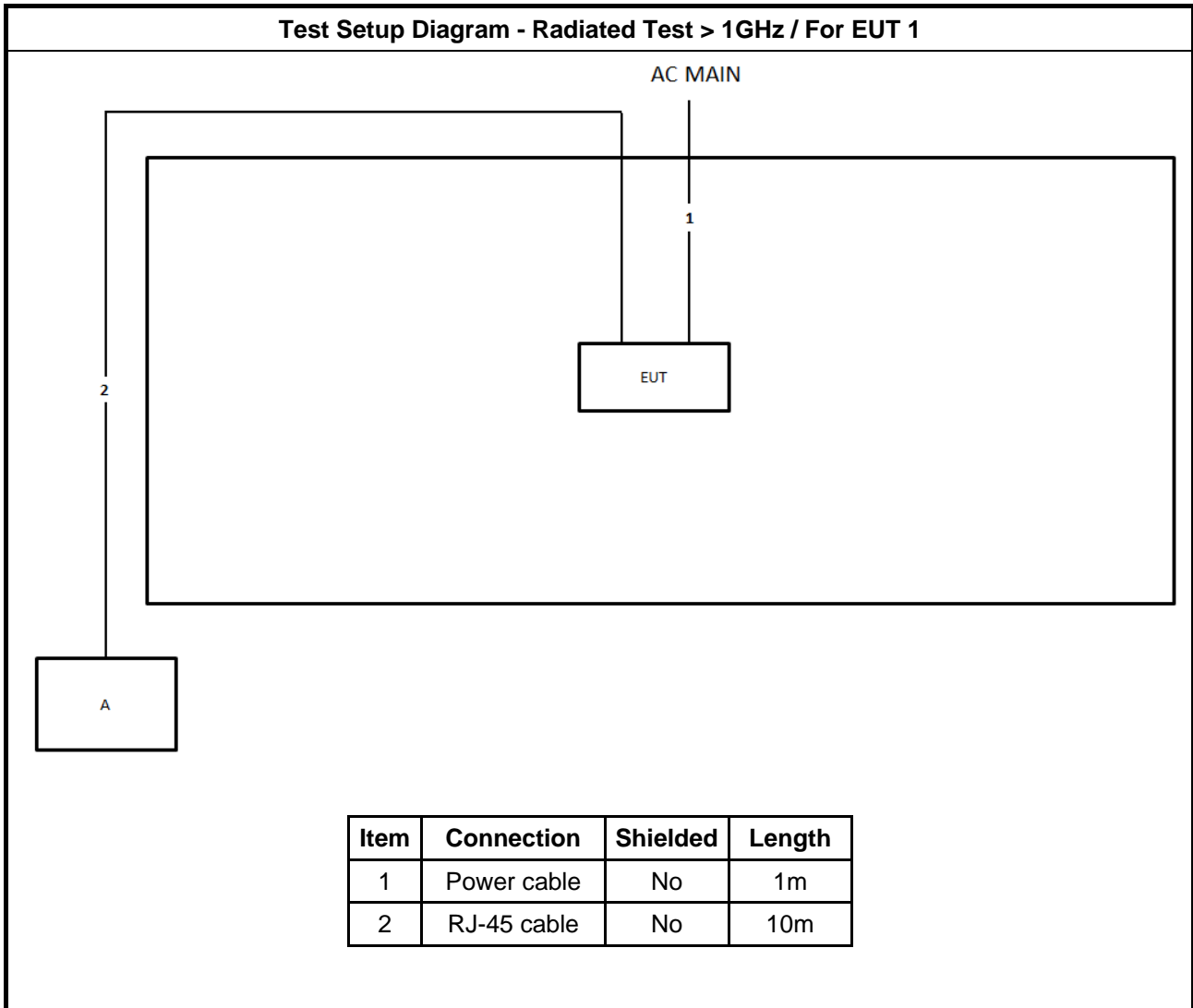


Test Setup Diagram - Radiated Test < 1GHz / For EUT 1



Item	Connection	Shielded	Length
1	Power cable	No	1m
2	RJ-11 cable	No	1.5m
3	RJ-11 cable	No	1.5m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	1.5m
6	RJ-45 cable	No	10m
7	Coaxial cable	Yes	10m
8	Coaxial cable	Yes	4.2m







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.

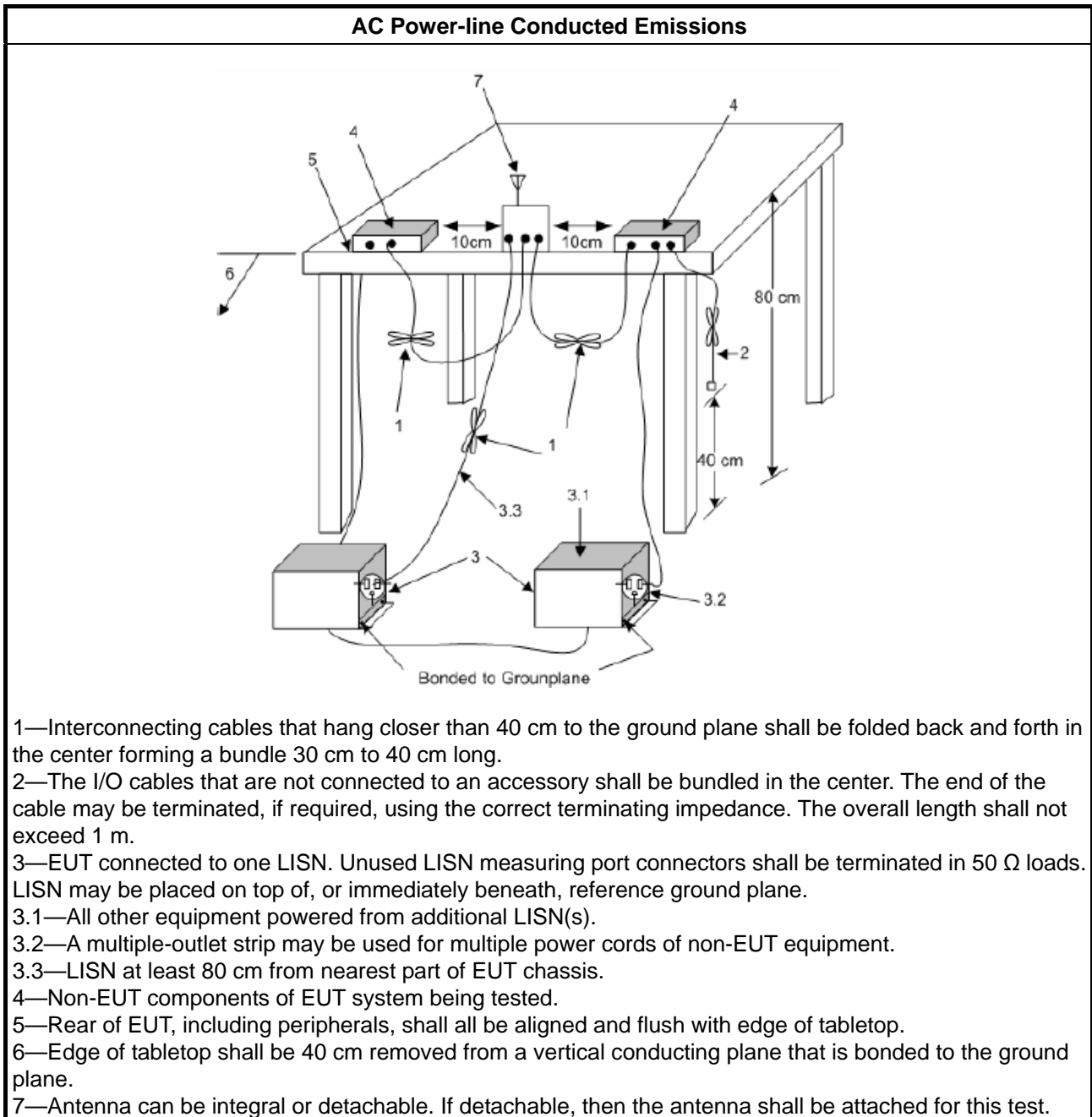
3.1.2 Measuring Instruments

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.

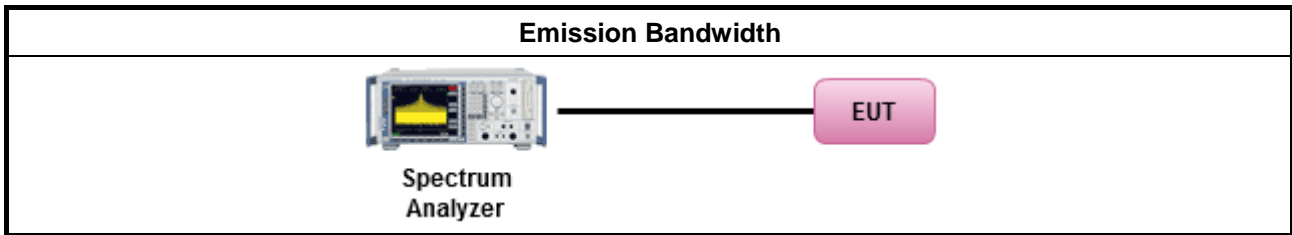
3.2.2 Measuring Instruments

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 $11 \text{ dBm} + 10 \log B$, 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 $11 \text{ dBm} + 10 \log B$, 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.

lesser of 1 W.

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

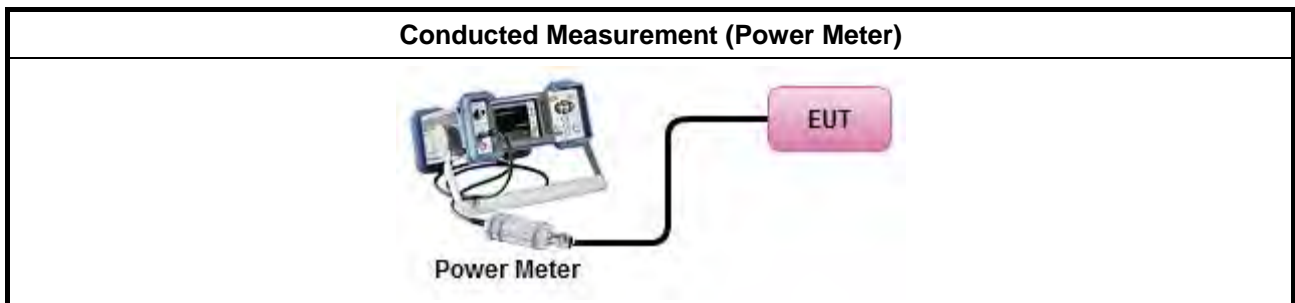
3.3.2 Measuring Instruments

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.
<input type="checkbox"/>	<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.
<input type="checkbox"/>	<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 be 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.

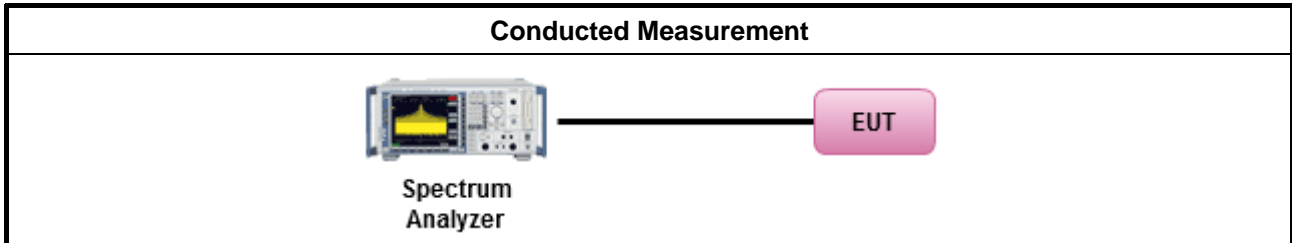


3.4.3 Test Procedures

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

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

3.4.4 Test Setup



3.4.5 Test Result of 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



	<p>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.</p> <p>(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>
<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

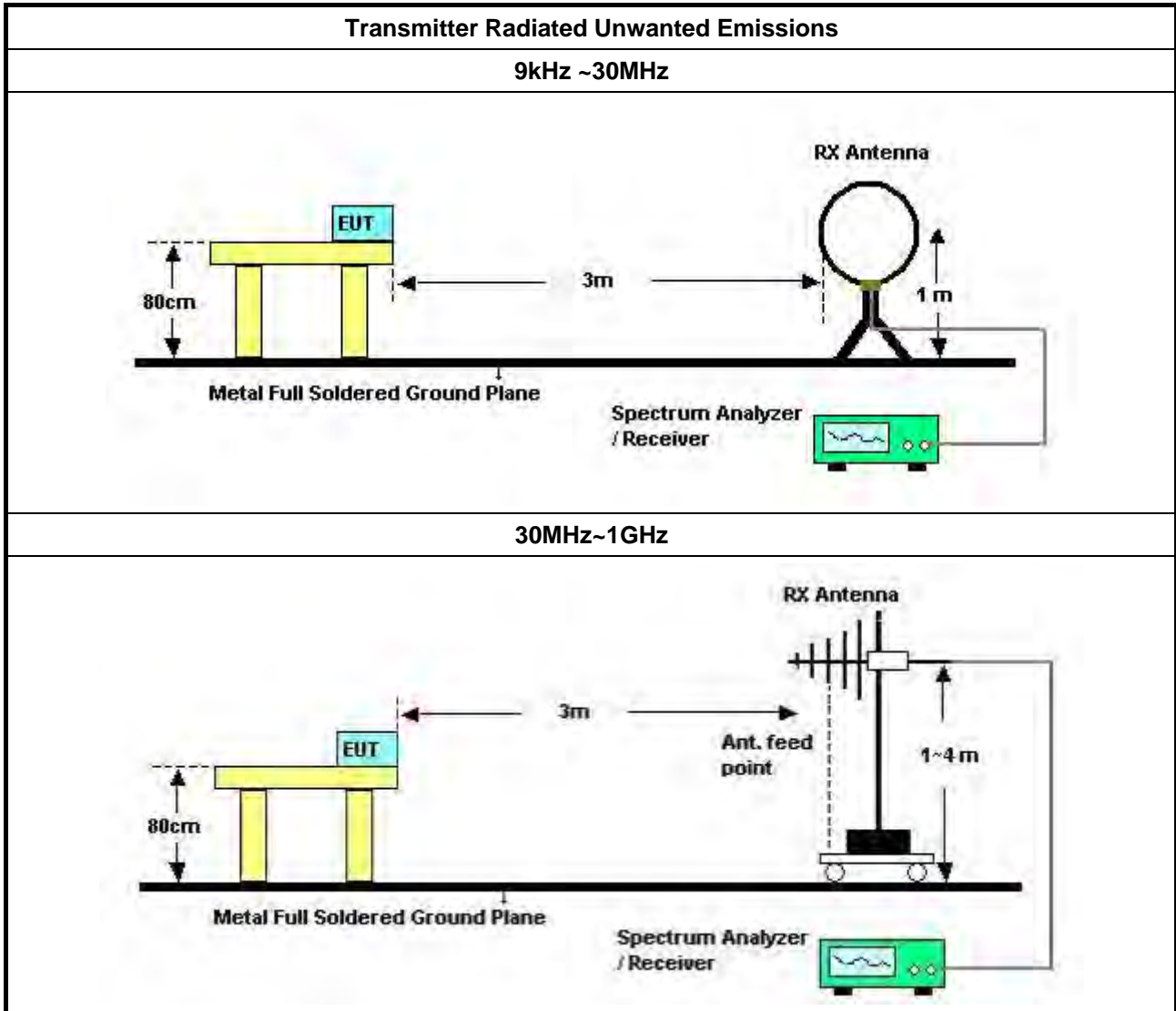
Test Method															
	<ul style="list-style-type: none"> ▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed 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: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td> <ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands. ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands. </td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.</td> </tr> </table> 		<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands. ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands. 	<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"> ▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands. ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands. 														
<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. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td> <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. ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. </td> </tr> </table> 		<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. ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. 												
	<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. ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. 														
	<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level. 														

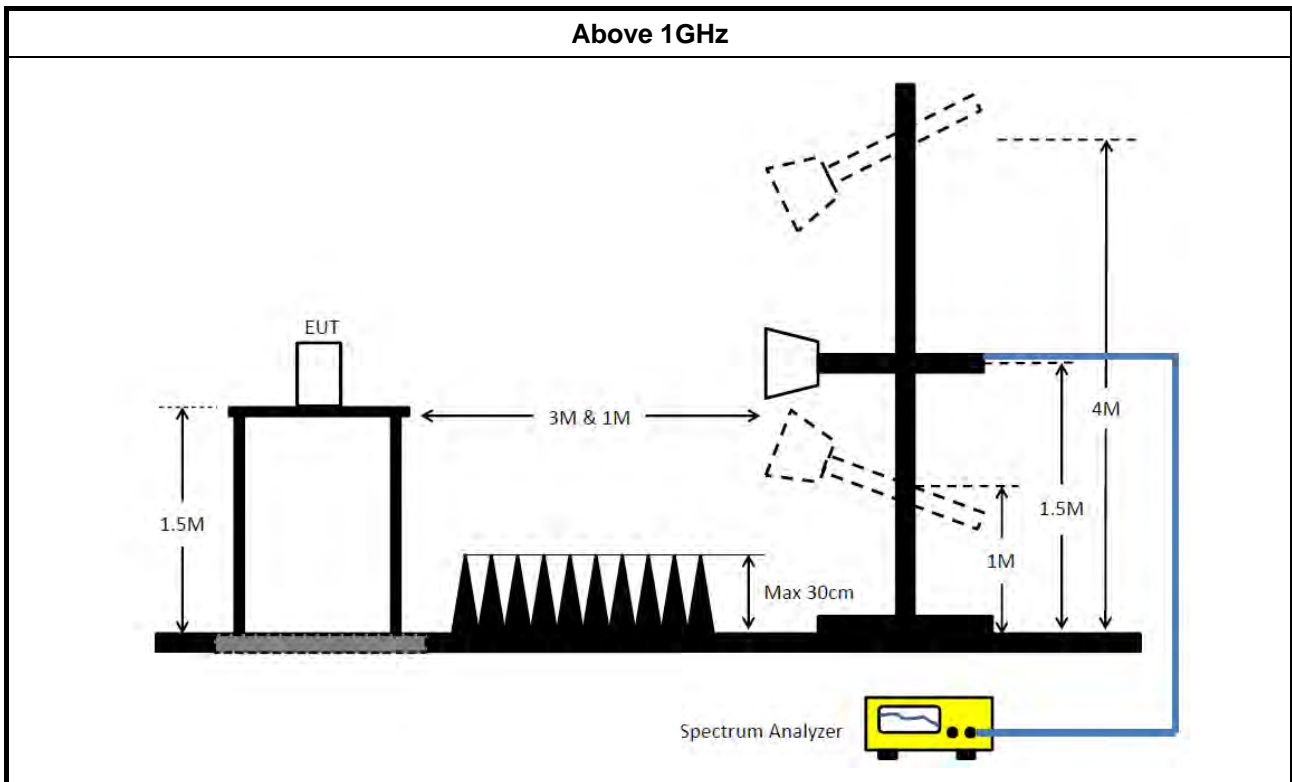


Test Method

- | |
|--|
| <ul style="list-style-type: none">▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. |
|--|

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 18, 2022	Mar. 17, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Oct. 14, 2021	Oct. 13, 2022	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS · Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz~26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 02, 2021	Aug. 01, 2022	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)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	SWI-02-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-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)

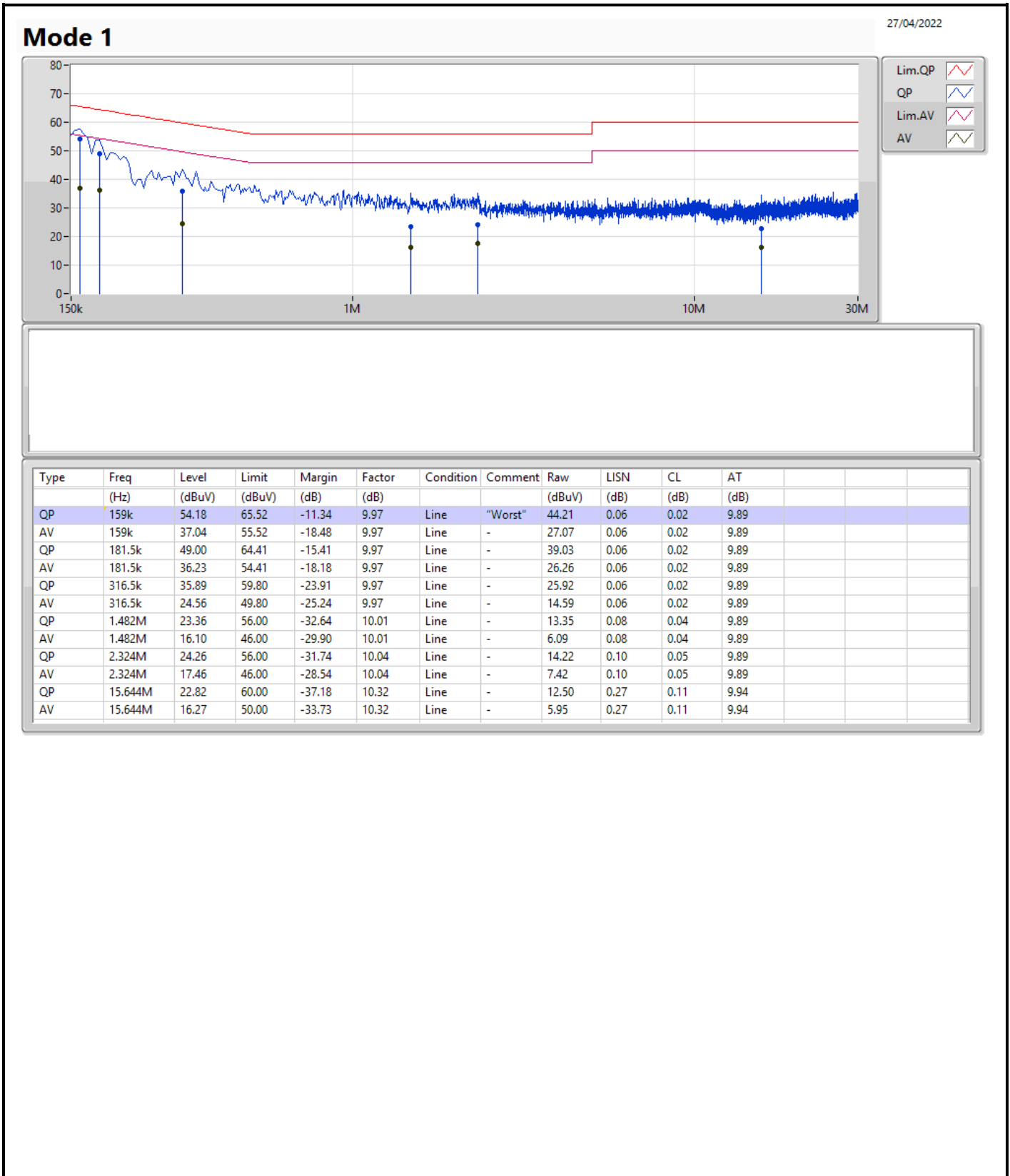
Note: Calibration Interval of instruments listed above is one year.

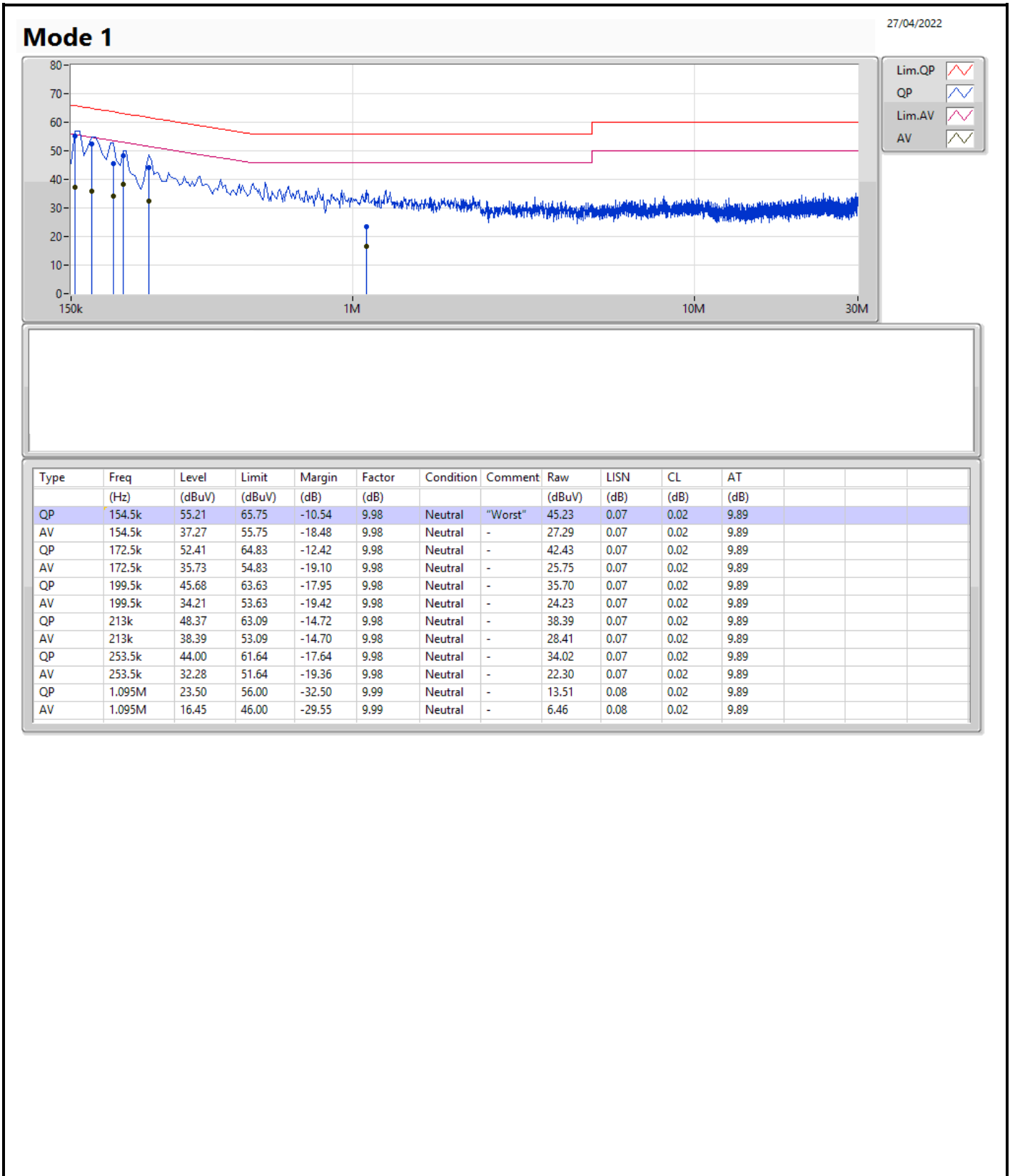
N.C.R. means Non-Calibration required.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	154.5k	55.21	65.75	-10.54	Neutral

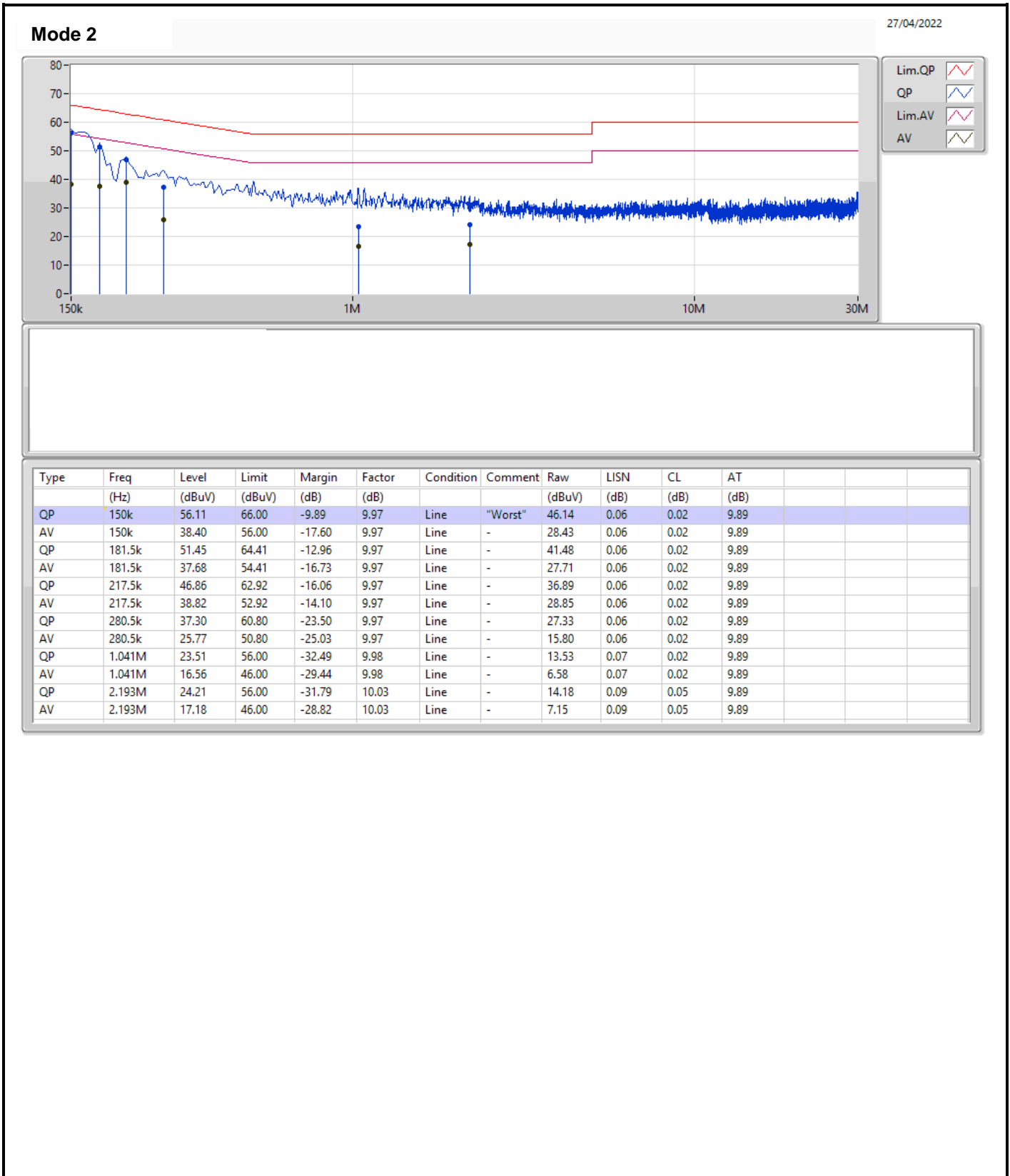


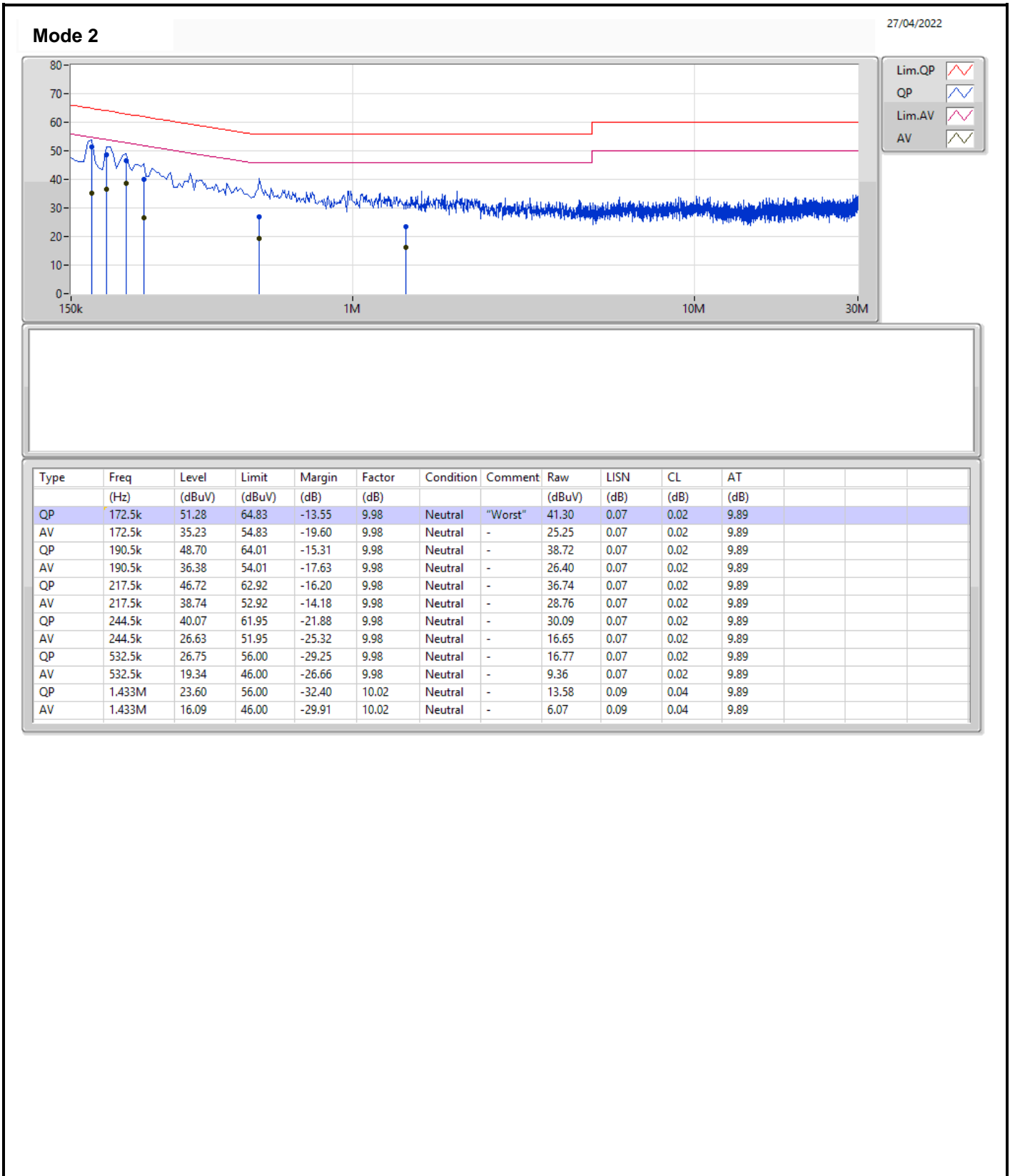




Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	150k	56.11	66.00	-9.89	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)_1TX	42.33M	25.487M	25M5D1D	29.16M	17.271M
802.11ax HEW20_Nss1,(MCS0)_4TX	36.42M	19.52M	19M5D1D	24.36M	19.25M
802.11ax HEW40_Nss1,(MCS0)_4TX	48.24M	39.1M	39M1D1D	44.16M	38.441M
802.11ax HEW80_Nss1,(MCS0)_4TX	89.64M	78.681M	78M7D1D	86.16M	78.321M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.41M	34.723M	34M7D1D	16.32M	34.033M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.08M	19.67M	19M7D1D	18.84M	19.34M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.04M	41.139M	41M1D1D	37.44M	39.1M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.88M	78.561M	78M6D1D	75M	78.201M

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)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf							29.16M	17.271M
5200MHz	Pass	Inf							42.33M	25.487M
5240MHz	Pass	Inf							39.09M	20.12M
5745MHz	Pass	500k							16.32M	34.723M
5785MHz	Pass	500k							16.32M	34.063M
5825MHz	Pass	500k							16.41M	34.033M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	25.08M	19.25M	24.36M	19.28M	25.08M	19.31M	25.89M	19.34M
5200MHz	Pass	Inf	26.79M	19.34M	27.72M	19.37M	36.24M	19.43M	36.42M	19.49M
5240MHz	Pass	Inf	28.41M	19.34M	27.18M	19.31M	36.21M	19.43M	36.39M	19.52M
5745MHz	Pass	500k	18.84M	19.52M	18.96M	19.34M	19.08M	19.67M	18.96M	19.52M
5785MHz	Pass	500k	18.99M	19.55M	18.99M	19.34M	19.02M	19.61M	18.96M	19.64M
5825MHz	Pass	500k	18.96M	19.49M	18.96M	19.43M	18.99M	19.58M	18.96M	19.61M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	45.18M	38.561M	44.46M	38.441M	44.16M	38.681M	45M	38.681M
5230MHz	Pass	Inf	45.18M	38.921M	44.16M	38.741M	48.24M	39.04M	46.98M	39.1M
5755MHz	Pass	500k	37.44M	39.94M	38.04M	39.22M	37.92M	41.139M	37.98M	39.64M
5795MHz	Pass	500k	37.92M	39.28M	37.86M	39.1M	37.92M	39.76M	38.04M	39.52M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	86.16M	78.681M	89.64M	78.561M	87.48M	78.441M	86.4M	78.321M
5775MHz	Pass	500k	77.88M	78.201M	75M	78.201M	77.64M	78.201M	77.52M	78.561M

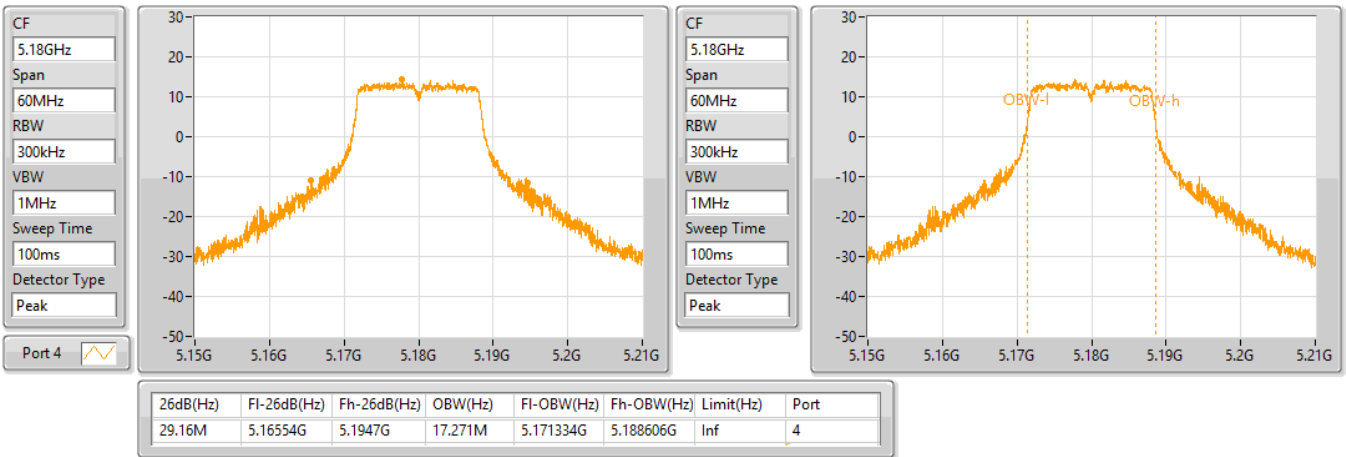
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_1TX

EBW

5180MHz

15/04/2022

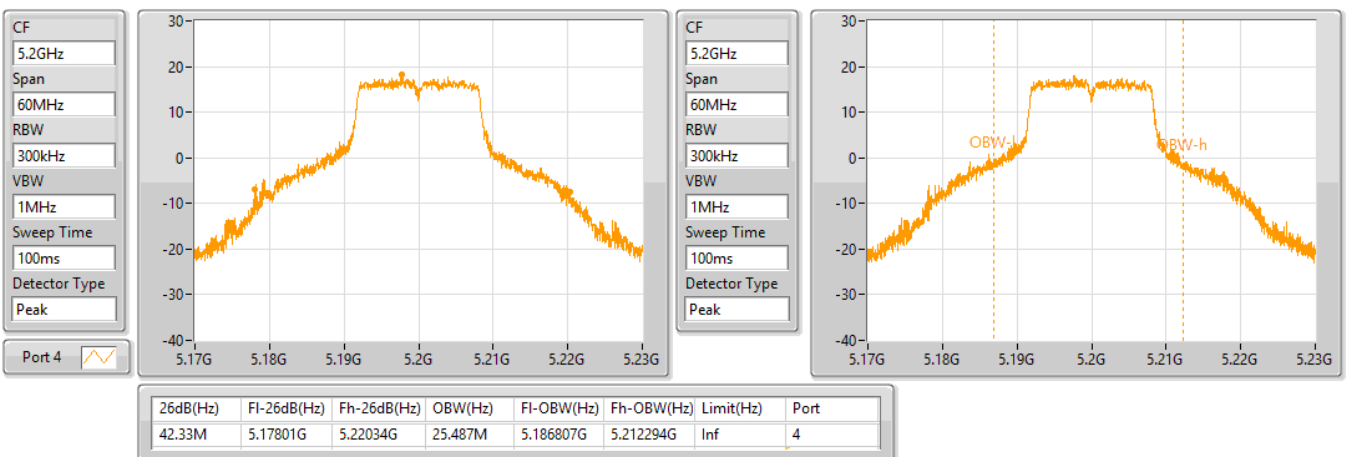


802.11a_Nss1,(6Mbps)_1TX

EBW

5200MHz

15/04/2022



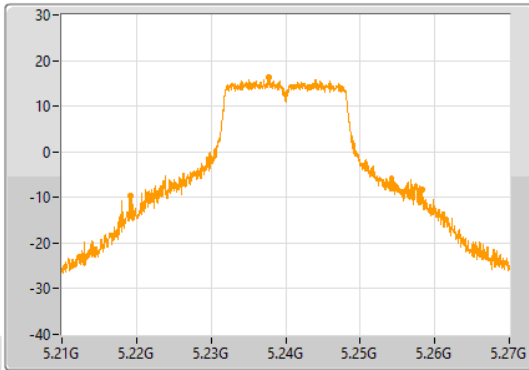
802.11a_Nss1,(6Mbps)_1TX

EBW

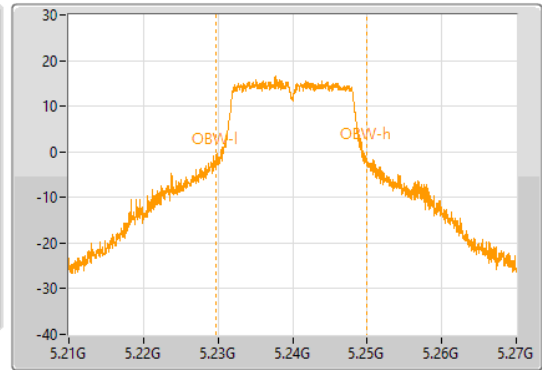
5240MHz

15/04/2022

CF
5.24GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Port 4



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



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.09M	5.21921G	5.2583G	20.12M	5.229775G	5.249895G	Inf	4

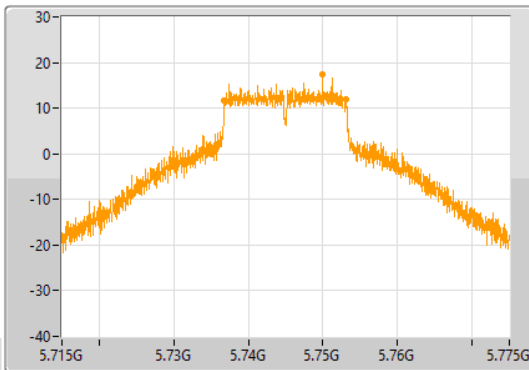
802.11a_Nss1,(6Mbps)_1TX

EBW

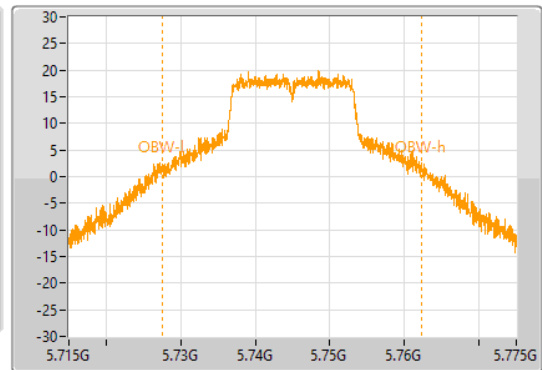
5745MHz

15/04/2022

CF
5.745GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak
Port 4



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



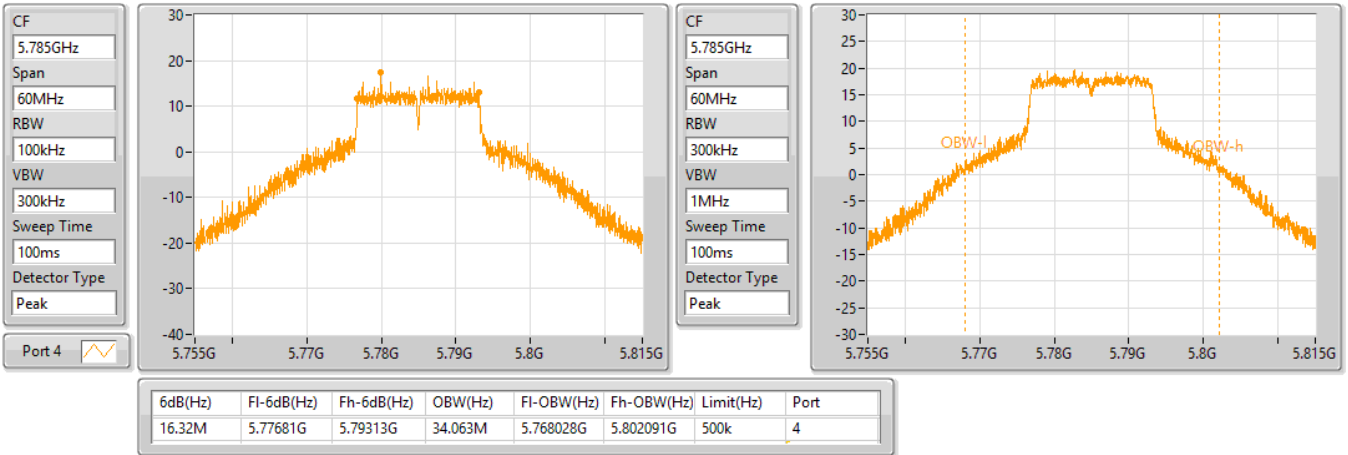
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.73681G	5.75313G	34.723M	5.727579G	5.762301G	500k	4

802.11a_Nss1,(6Mbps)_1TX

EBW

5785MHz

15/04/2022

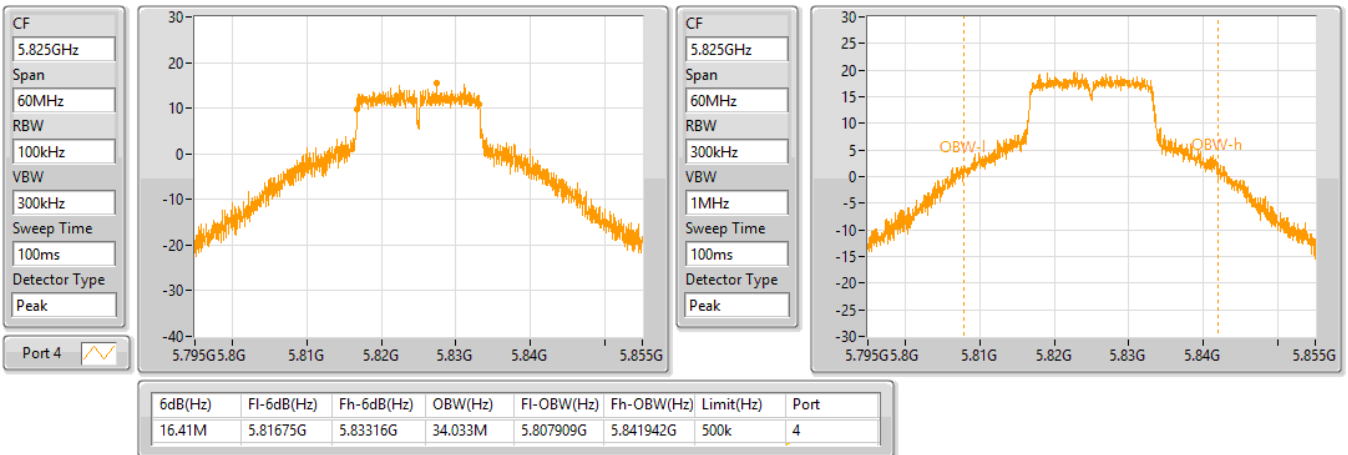


802.11a_Nss1,(6Mbps)_1TX

EBW

5825MHz

15/04/2022

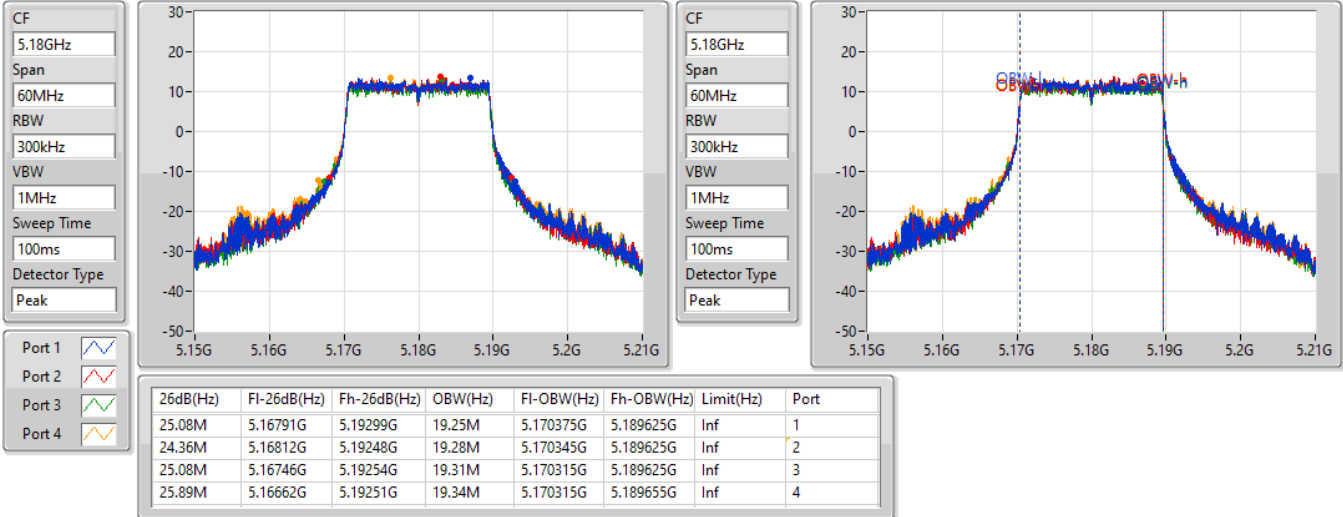


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5180MHz

30/05/2022

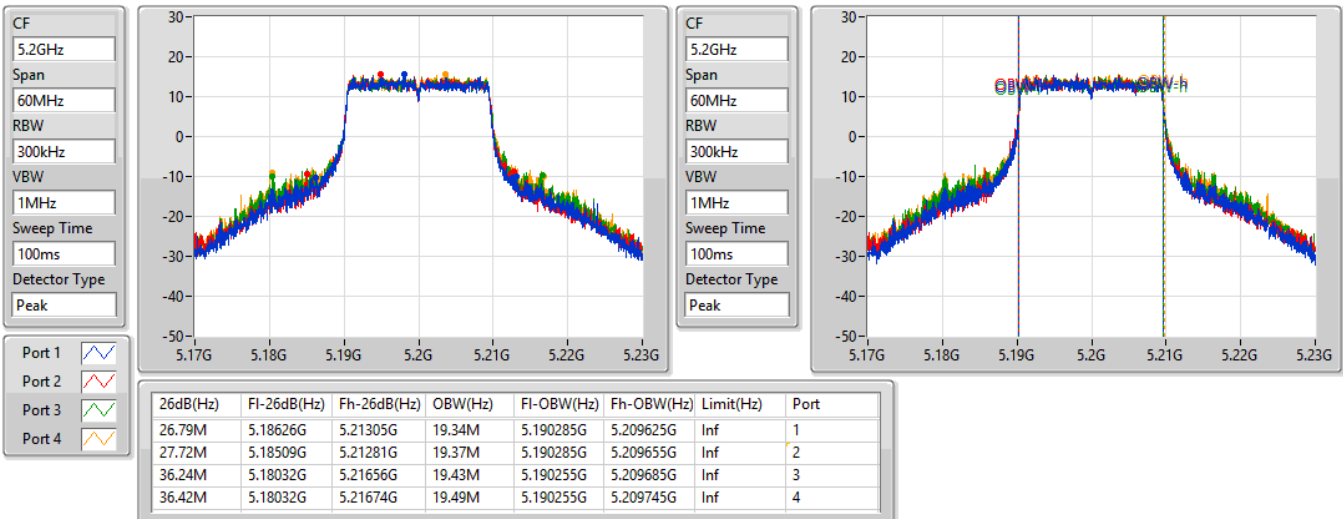


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5200MHz

23/05/2022

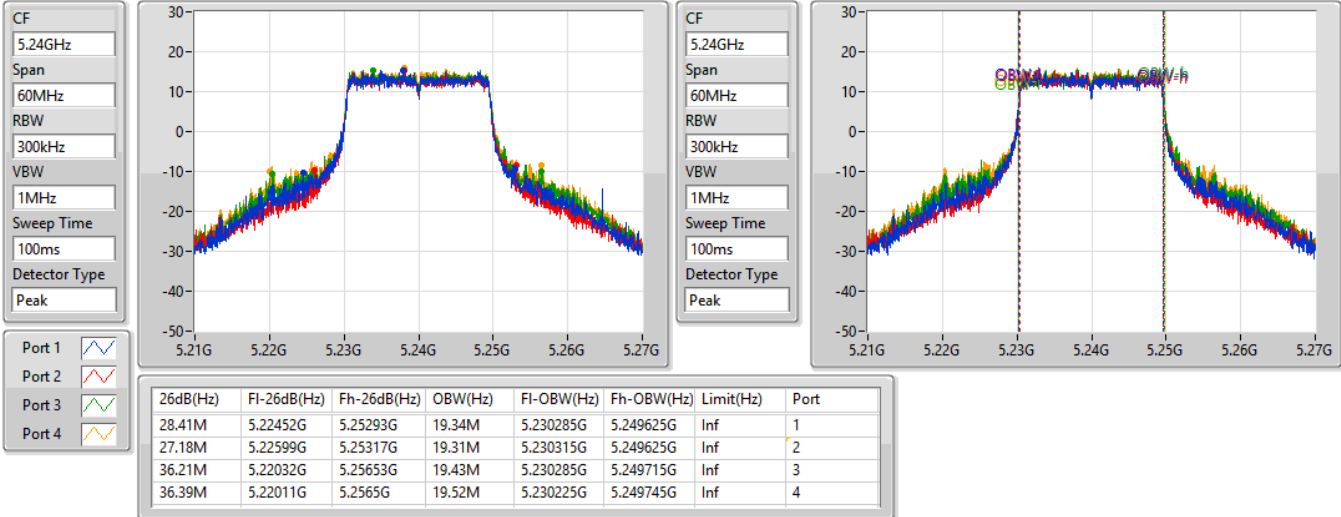


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5240MHz

23/05/2022

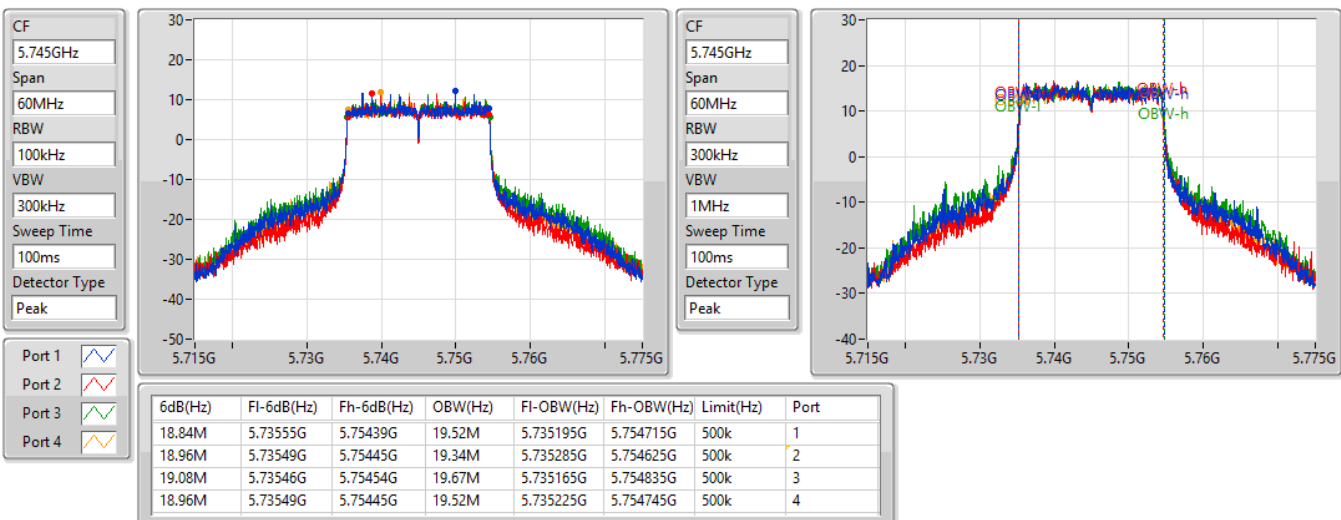


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

15/04/2022

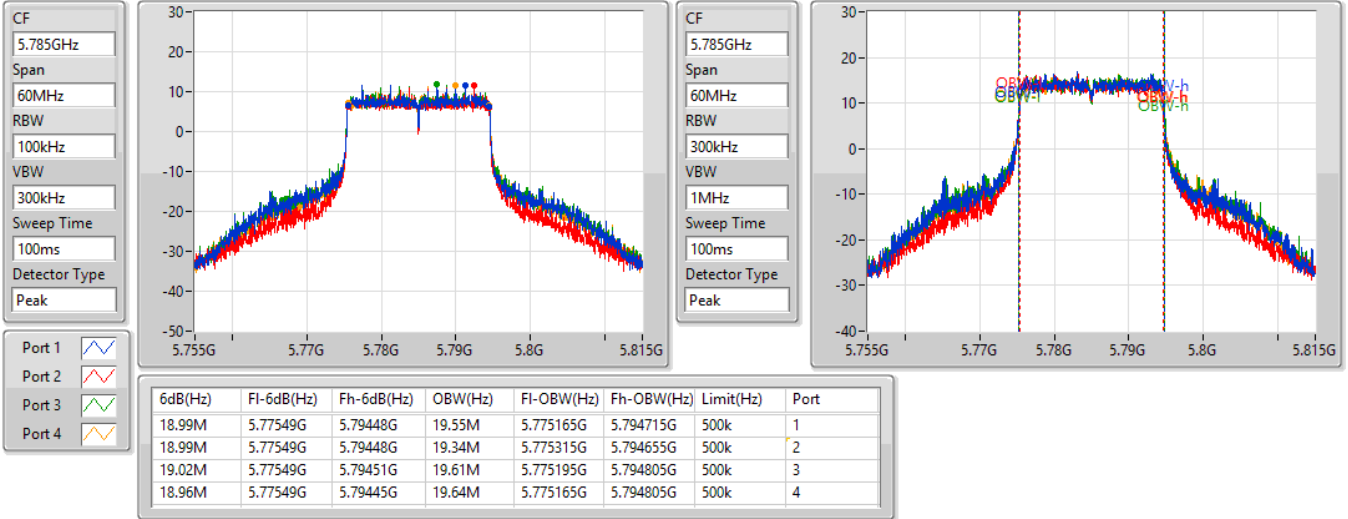


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5785MHz

15/04/2022

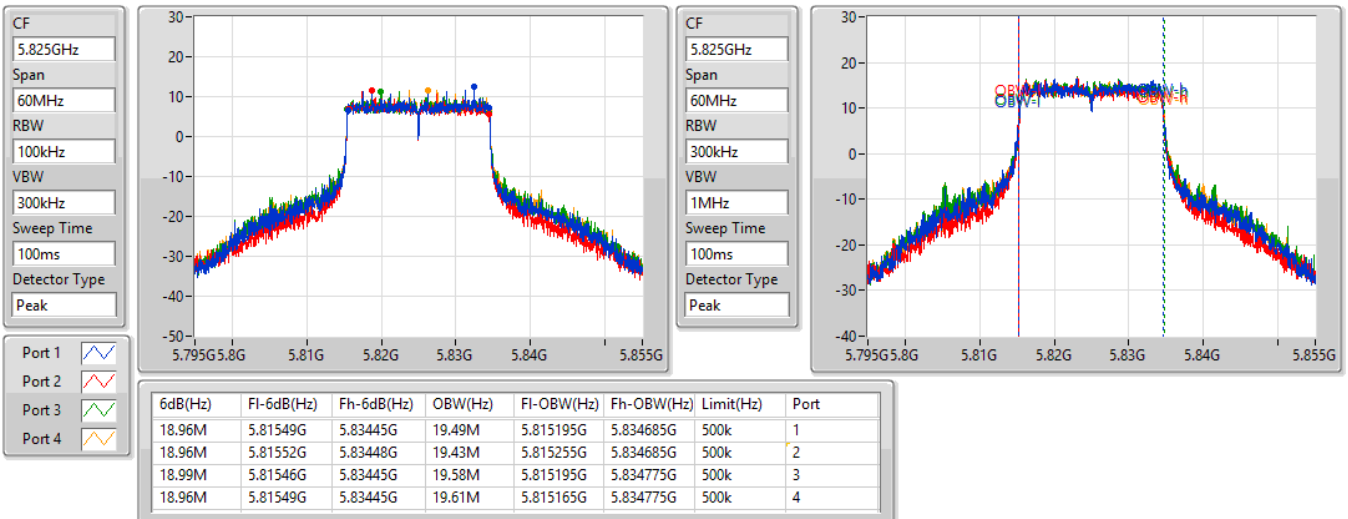


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

15/04/2022

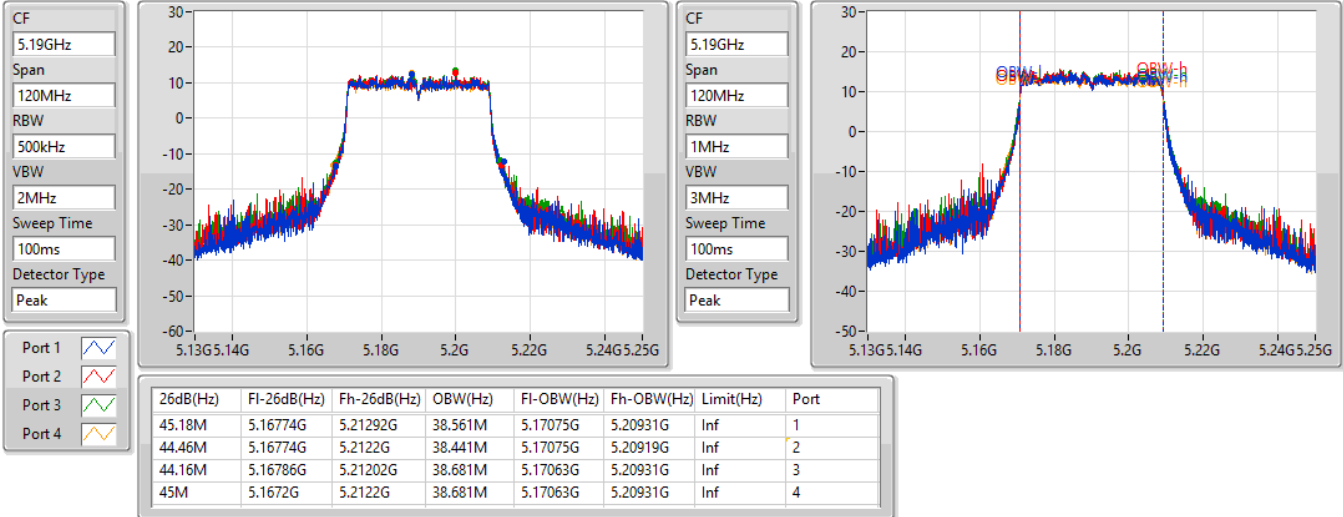


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5190MHz

15/04/2022

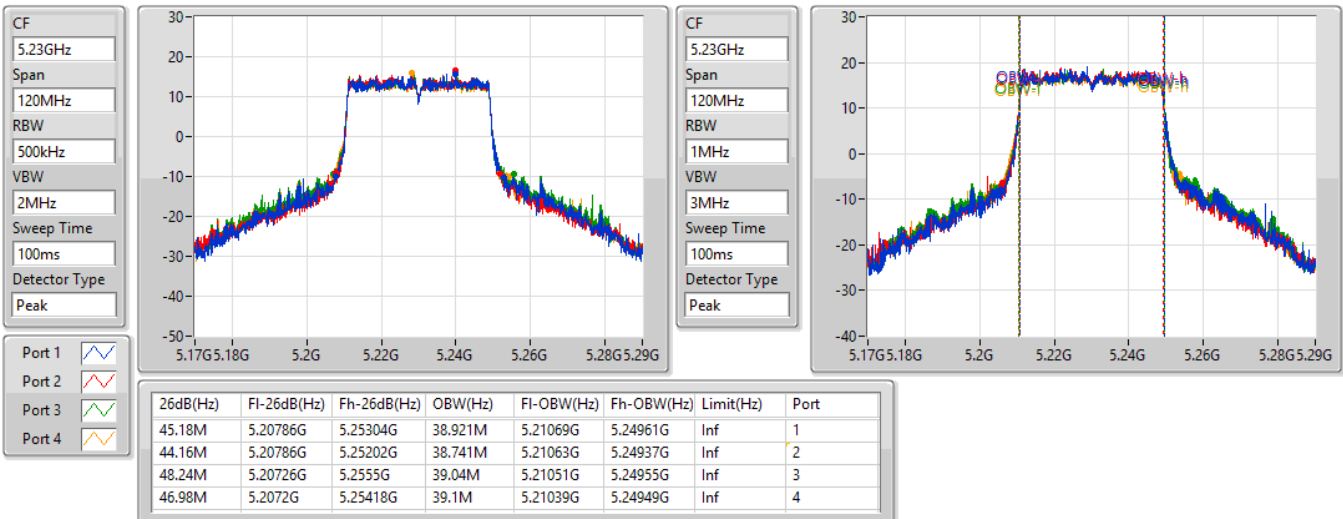


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5230MHz

15/04/2022



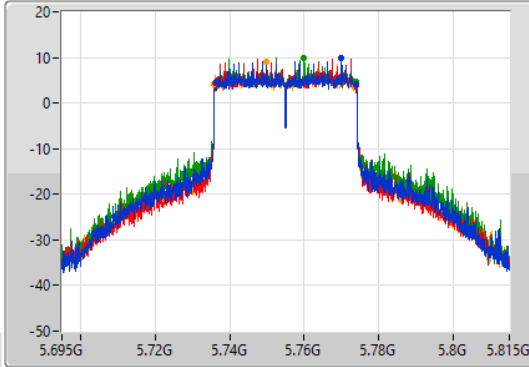
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

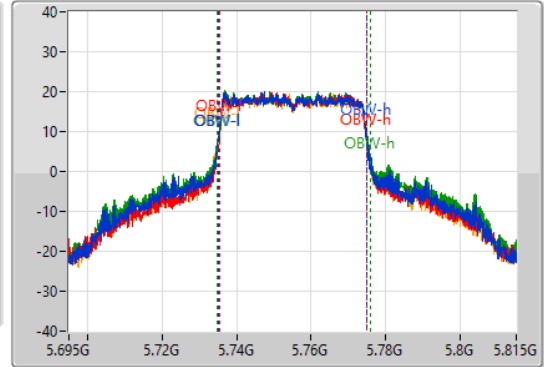
5755MHz

15/04/2022

CF
5.755GHz
Span
120MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.755GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
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
37.44M	5.7364G	5.77384G	39.94M	5.73503G	5.77497G	500k	1
38.04M	5.73598G	5.77402G	39.22M	5.73551G	5.77473G	500k	2
37.92M	5.73598G	5.7739G	41.139M	5.73467G	5.77581G	500k	3
37.98M	5.73592G	5.7739G	39.64M	5.73515G	5.77479G	500k	4

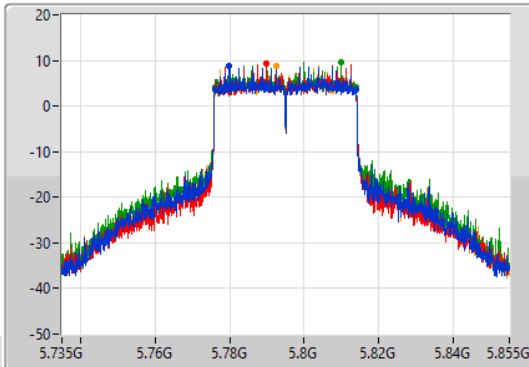
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

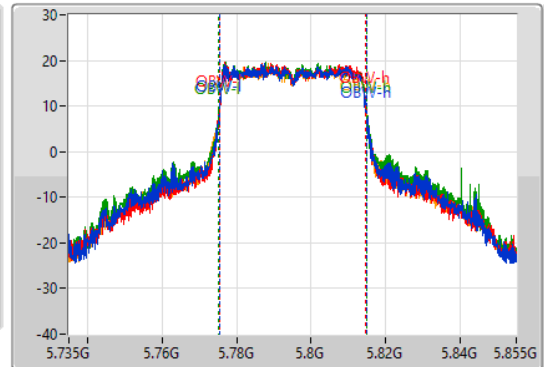
5795MHz

15/04/2022

CF
5.795GHz
Span
120MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.795GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

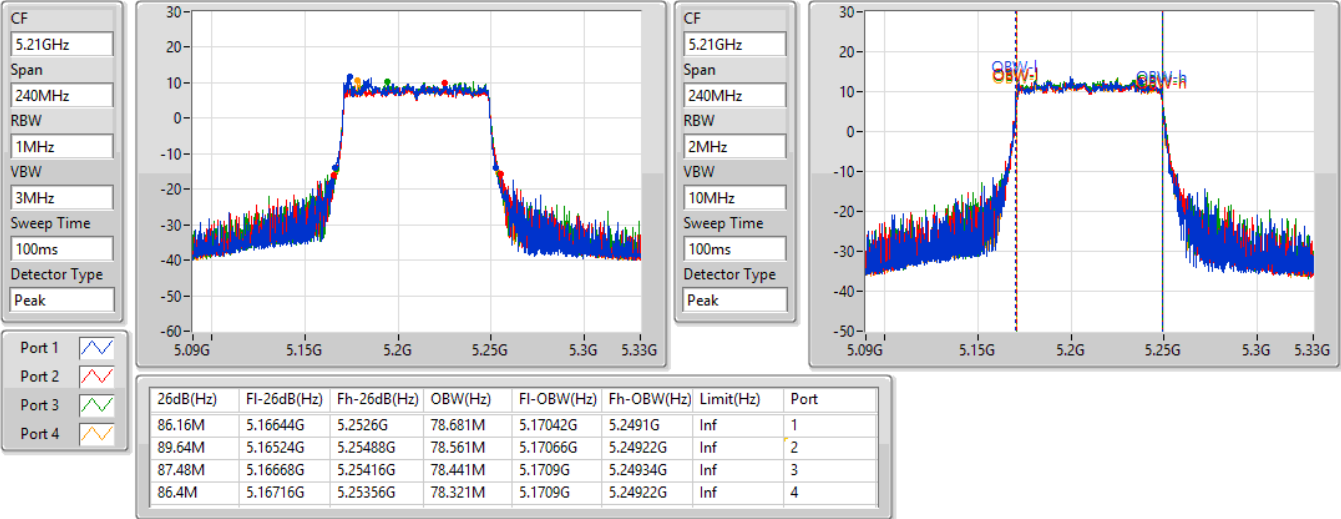
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.92M	5.77598G	5.8139G	39.28M	5.77545G	5.81473G	500k	1
37.86M	5.77598G	5.81384G	39.1M	5.77551G	5.81461G	500k	2
37.92M	5.77598G	5.8139G	39.76M	5.77521G	5.81497G	500k	3
38.04M	5.77598G	5.81402G	39.52M	5.77521G	5.81473G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5210MHz

15/04/2022

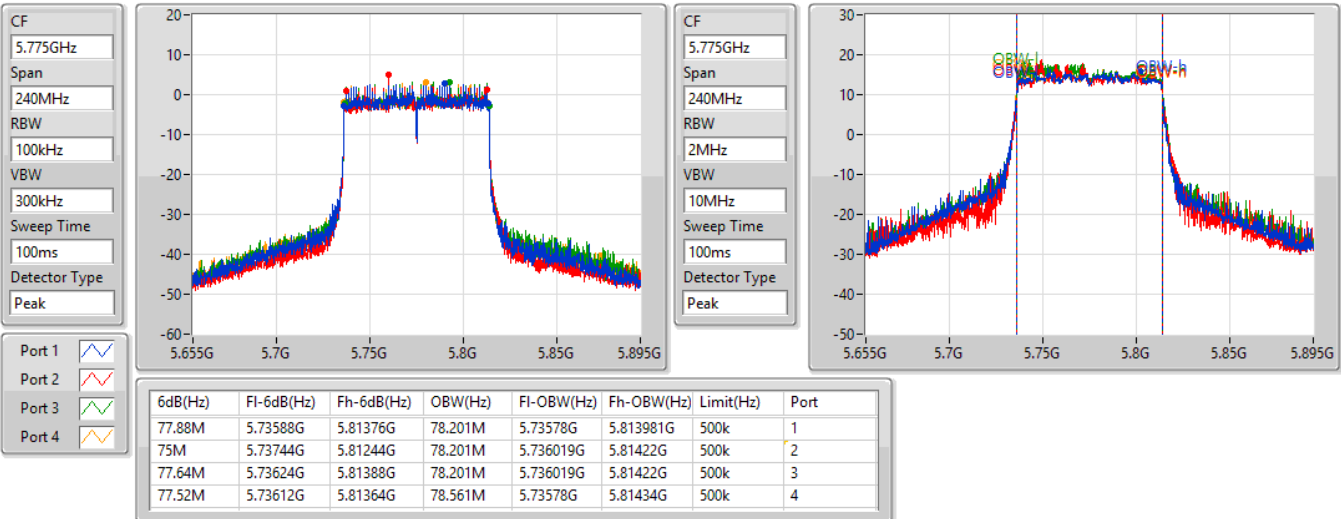


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz

15/04/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	26.31	0.42756
802.11ax HEW20_Nss1,(MCS0)_4TX	29.62	0.91622
802.11ax HEW40_Nss1,(MCS0)_4TX	29.03	0.79983
802.11ax HEW80_Nss1,(MCS0)_4TX	23.53	0.22542
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.62	0.91622
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.03	0.79983
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.53	0.22542
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	27.79	0.60117
802.11ax HEW20_Nss1,(MCS0)_4TX	29.93	0.98401
802.11ax HEW40_Nss1,(MCS0)_4TX	29.96	0.99083
802.11ax HEW80_Nss1,(MCS0)_4TX	26.49	0.44566
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.93	0.98401
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.96	0.99083
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	26.49	0.44566



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)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.93	-	-	-	22.81	22.81	30.00
5200MHz	Pass	3.93	-	-	-	26.31	26.31	30.00
5240MHz	Pass	3.93	-	-	-	24.66	24.66	30.00
5745MHz	Pass	4.25	-	-	-	27.79	27.79	30.00
5785MHz	Pass	4.25	-	-	-	27.55	27.55	30.00
5825MHz	Pass	4.25	-	-	-	27.53	27.53	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.93	20.97	21.06	20.45	21.12	26.93	30.00
5200MHz	Pass	3.93	23.26	23.47	23.73	23.91	29.62	30.00
5240MHz	Pass	3.93	23.36	23.04	23.74	24.04	29.58	30.00
5745MHz	Pass	4.25	23.67	23.54	24.06	23.62	29.75	30.00
5785MHz	Pass	4.25	23.78	23.43	23.84	23.77	29.73	30.00
5825MHz	Pass	4.25	23.93	23.64	24.12	23.93	29.93	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.93	19.55	19.61	20.03	19.32	25.66	30.00
5230MHz	Pass	3.93	22.95	23.14	23.12	22.81	29.03	30.00
5755MHz	Pass	4.25	23.66	23.96	24.04	23.66	29.85	30.00
5795MHz	Pass	4.25	23.77	23.87	24.3	23.79	29.96	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.93	17.52	17.24	17.73	17.54	23.53	30.00
5775MHz	Pass	4.25	20.34	20.09	20.73	20.7	26.49	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.85	20.97	21.06	20.45	21.12	26.93	30.00
5200MHz	Pass	4.85	23.26	23.47	23.73	23.91	29.62	30.00
5240MHz	Pass	4.85	23.36	23.04	23.74	24.04	29.58	30.00
5745MHz	Pass	5.24	23.67	23.54	24.06	23.62	29.75	30.00
5785MHz	Pass	5.24	23.78	23.43	23.84	23.77	29.73	30.00
5825MHz	Pass	5.24	23.93	23.64	24.12	23.93	29.93	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.85	19.55	19.61	20.03	19.32	25.66	30.00
5230MHz	Pass	4.85	22.95	23.14	23.12	22.81	29.03	30.00
5755MHz	Pass	5.24	23.66	23.96	24.04	23.66	29.85	30.00
5795MHz	Pass	5.24	23.77	23.87	24.3	23.79	29.96	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.85	17.52	17.24	17.73	17.54	23.53	30.00
5775MHz	Pass	5.24	20.34	20.09	20.73	20.7	26.49	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	13.03
802.11ax HEW20_Nss1,(MCS0)_4TX	14.99
802.11ax HEW40_Nss1,(MCS0)_4TX	12.26
802.11ax HEW80_Nss1,(MCS0)_4TX	3.83
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	12.95
802.11ax HEW20_Nss1,(MCS0)_4TX	14.42
802.11ax HEW40_Nss1,(MCS0)_4TX	11.80
802.11ax HEW80_Nss1,(MCS0)_4TX	5.37

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)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.85	-	-	-	9.61	9.61	17.00
5200MHz	Pass	4.85	-	-	-	13.03	13.03	17.00
5240MHz	Pass	4.85	-	-	-	11.46	11.46	17.00
5745MHz	Pass	5.24	-	-	-	12.95	12.95	30.00
5785MHz	Pass	5.24	-	-	-	12.84	12.84	30.00
5825MHz	Pass	5.24	-	-	-	12.89	12.89	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.85	7.16	7.17	6.51	7.27	12.94	17.00
5200MHz	Pass	4.85	8.81	8.91	9.20	9.43	14.99	17.00
5240MHz	Pass	4.85	8.82	8.64	8.97	9.43	14.88	17.00
5745MHz	Pass	5.24	8.48	8.42	8.80	8.30	14.34	30.00
5785MHz	Pass	5.24	8.66	8.25	8.54	8.55	14.42	30.00
5825MHz	Pass	5.24	8.66	8.28	8.64	8.47	14.39	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.85	2.82	3.07	3.38	2.73	8.88	17.00
5230MHz	Pass	4.85	6.34	6.61	6.43	6.09	12.26	17.00
5755MHz	Pass	5.24	6.05	5.87	6.16	5.53	11.80	30.00
5795MHz	Pass	5.24	5.76	5.77	6.21	5.70	11.76	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.85	-2.10	-2.40	-1.89	-2.07	3.83	17.00
5775MHz	Pass	5.24	-0.47	-0.78	-0.24	-0.45	5.37	30.00

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

802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

15/04/2022

CF
5.18GHz

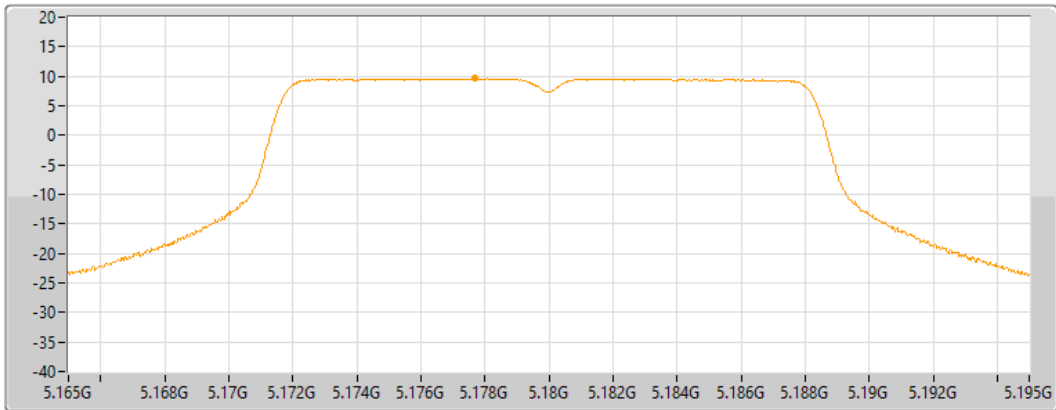
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.61	9.61	-	-	-	9.61

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

15/04/2022

CF
5.2GHz

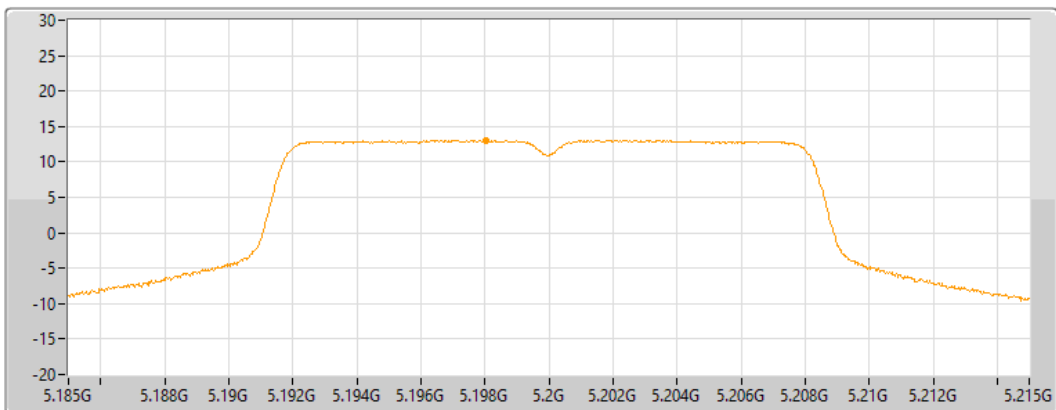
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.03	13.03	-	-	-	13.03

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

15/04/2022

CF
5.24GHz

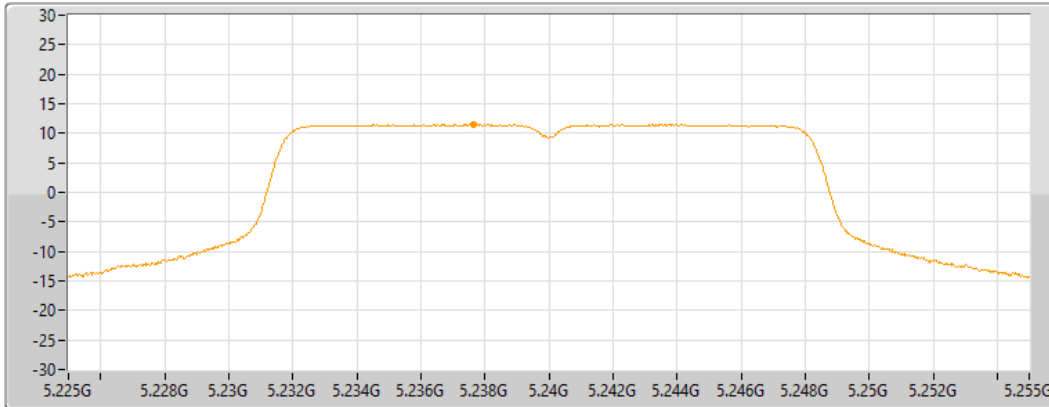
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.46	11.46	-	-	-	11.46

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

15/04/2022

CF
5.745GHz

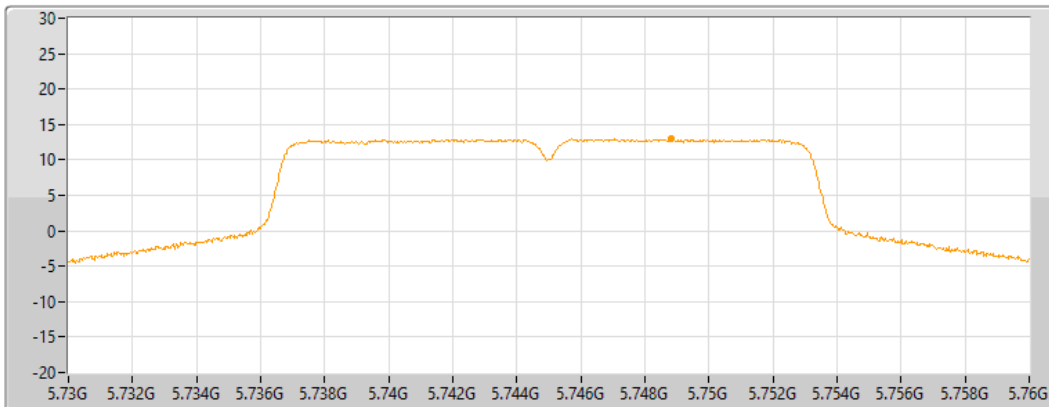
Span
30MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.95	12.95	-	-	-	12.95

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

15/04/2022

CF
5.785GHz

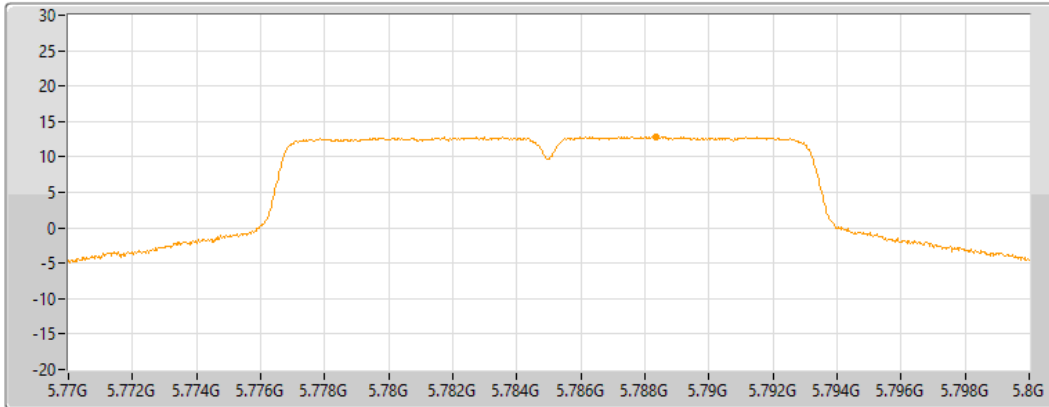
Span
30MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.84	12.84	-	-	-	12.84

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

15/04/2022

CF
5.825GHz

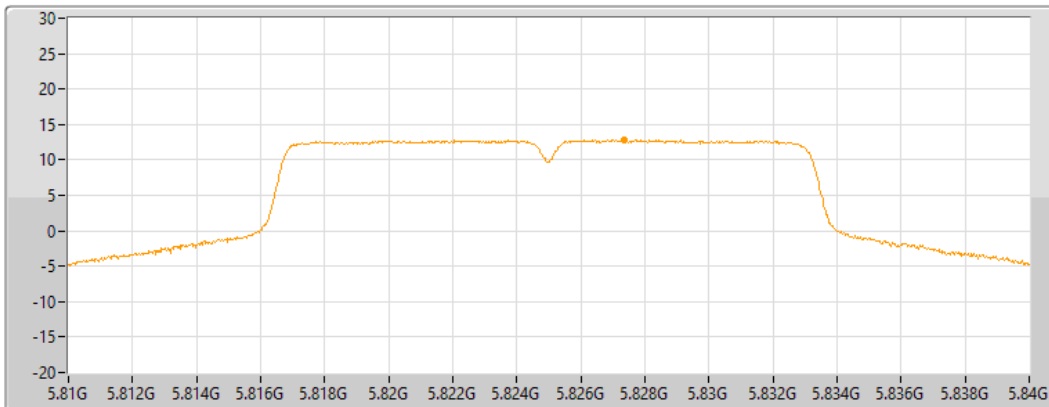
Span
30MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 4 

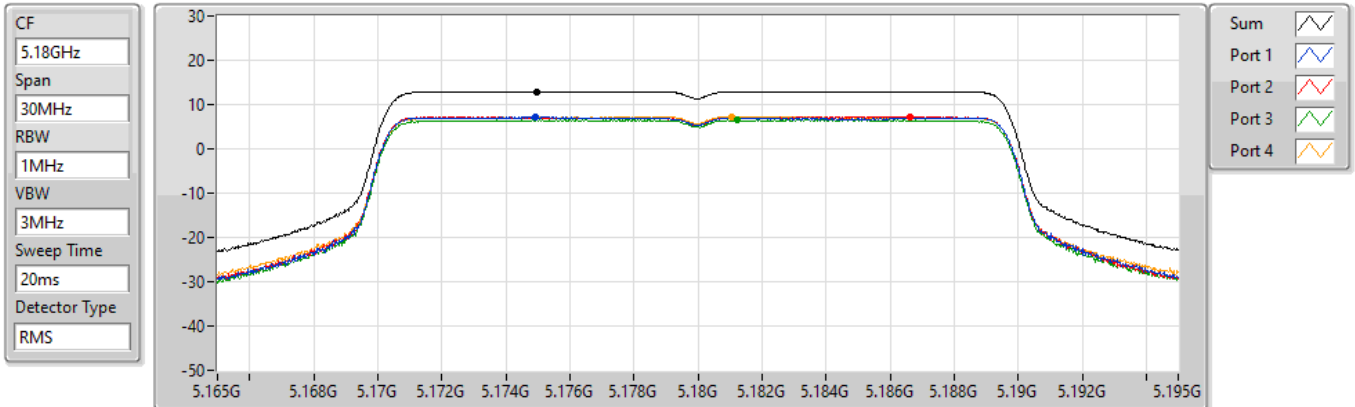
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.89	12.89	-	-	-	12.89

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

30/05/2022



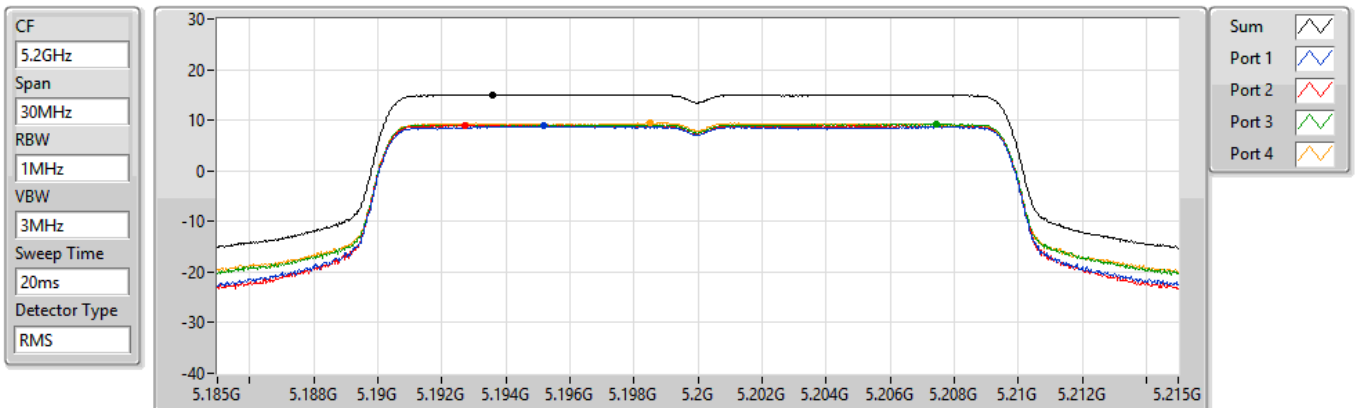
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.94	12.94	7.16	7.17	6.51	7.27

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

23/05/2022



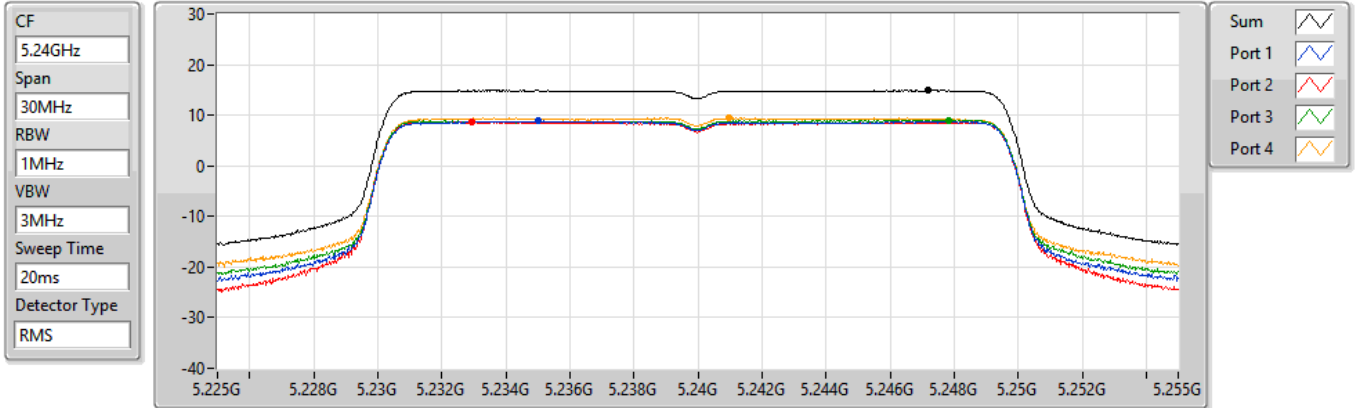
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.99	14.99	8.81	8.91	9.20	9.43

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

23/05/2022



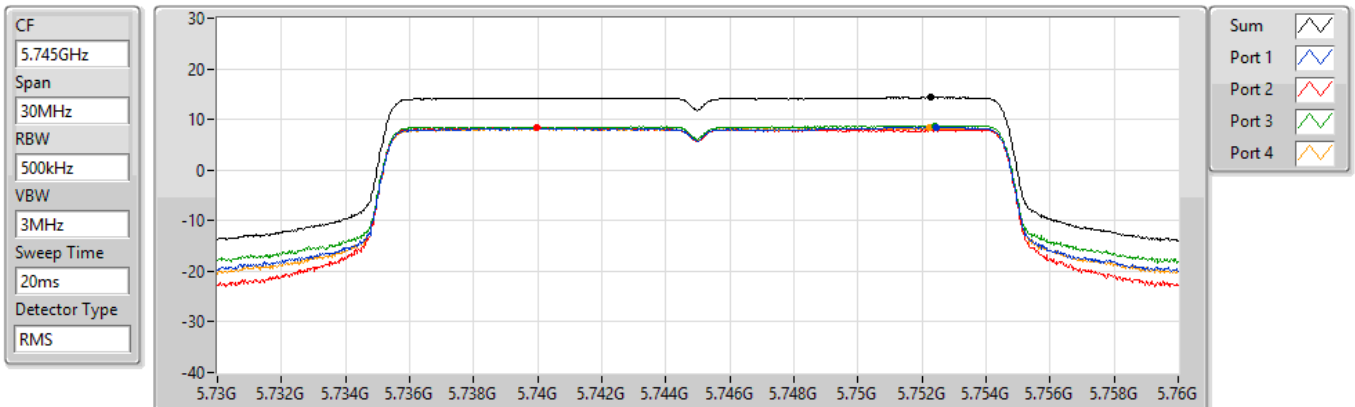
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.88	14.88	8.82	8.64	8.97	9.43

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

15/04/2022



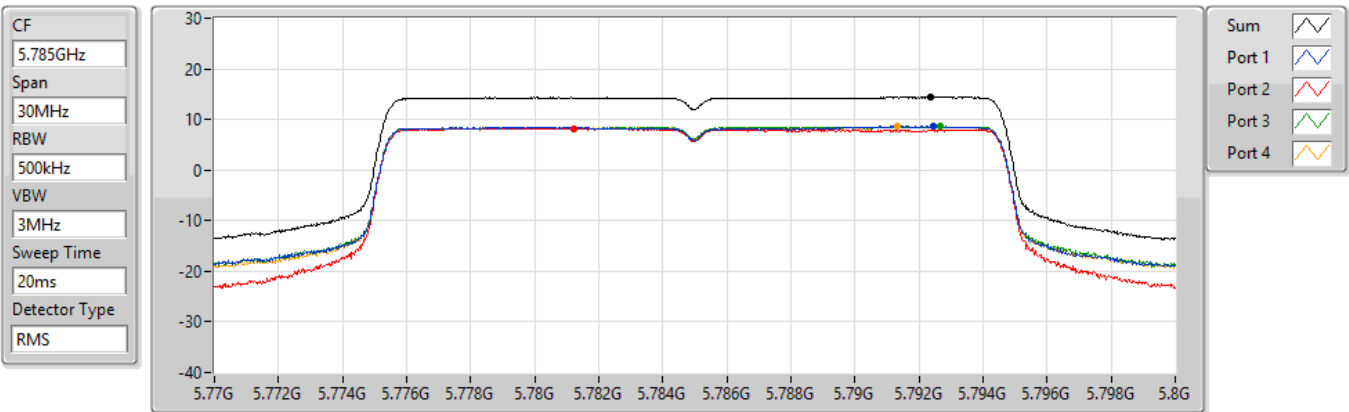
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.34	14.34	8.48	8.42	8.80	8.30

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

15/04/2022



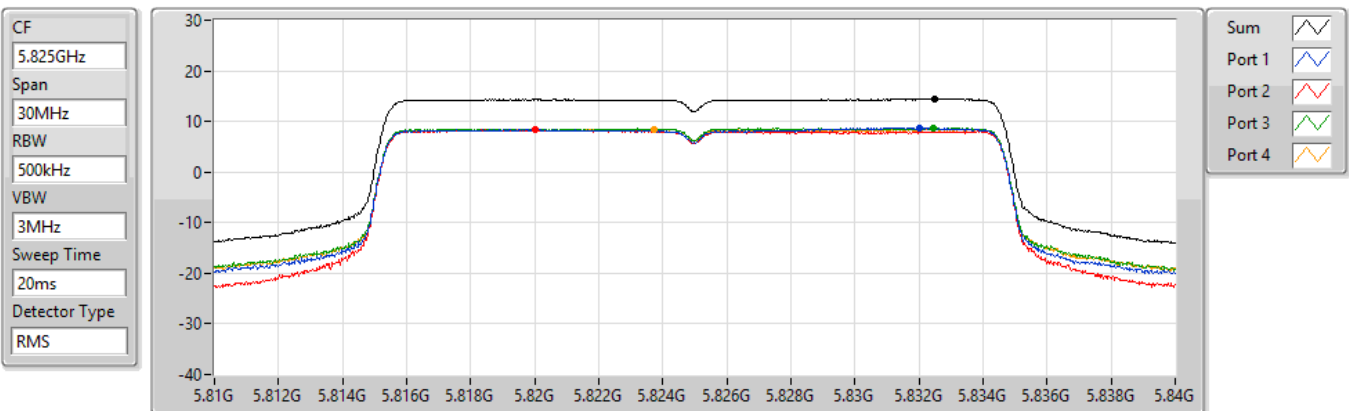
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.42	14.42	8.66	8.25	8.54	8.55

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

15/04/2022



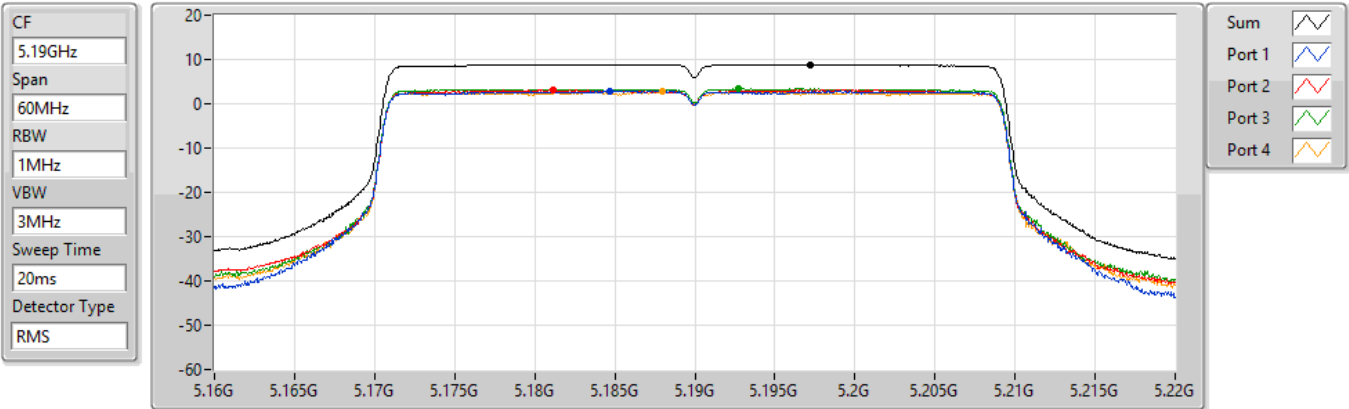
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.39	14.39	8.66	8.28	8.64	8.47

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

15/04/2022



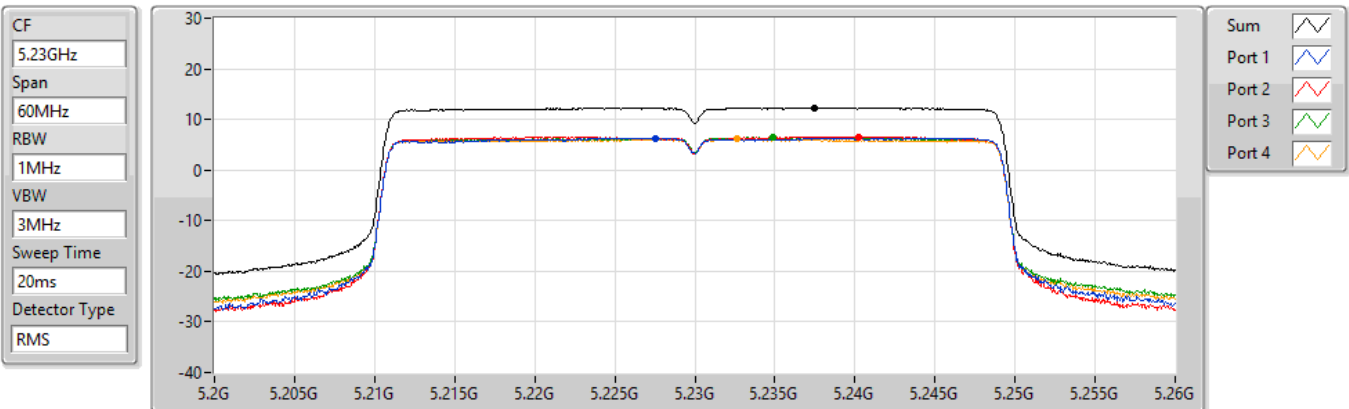
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.88	8.88	2.82	3.07	3.38	2.73

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

15/04/2022



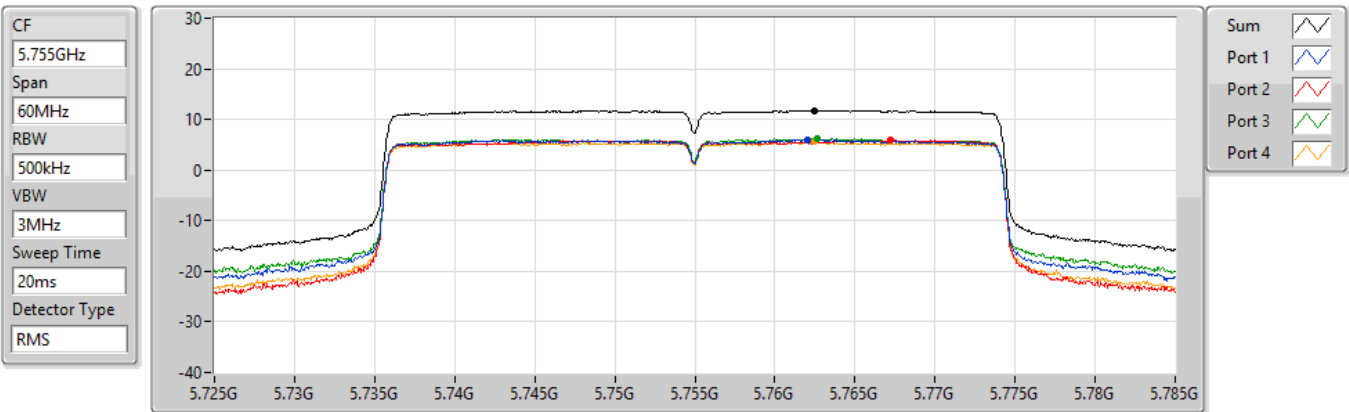
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.26	12.26	6.34	6.61	6.43	6.09

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

15/04/2022



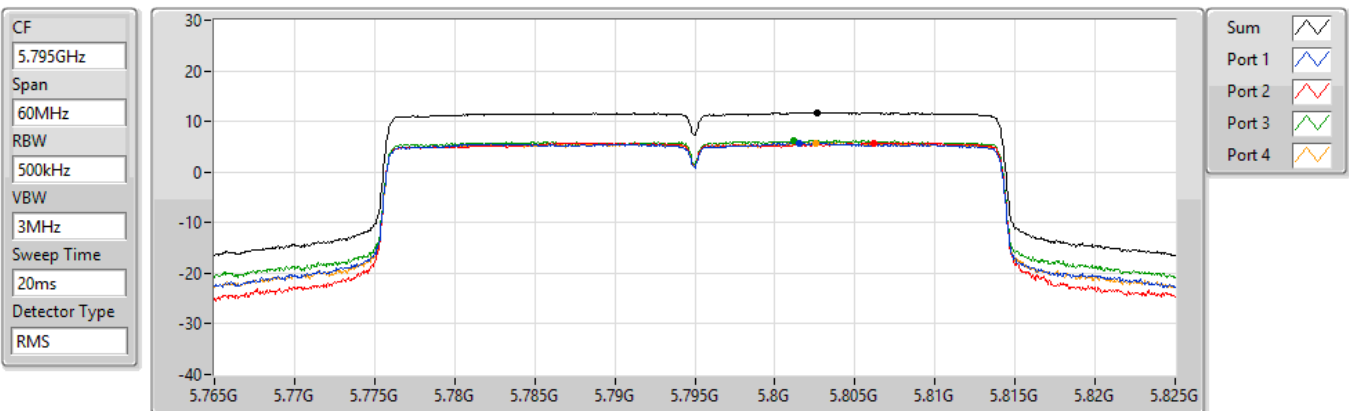
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.80	11.80	6.05	5.87	6.16	5.53

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

15/04/2022



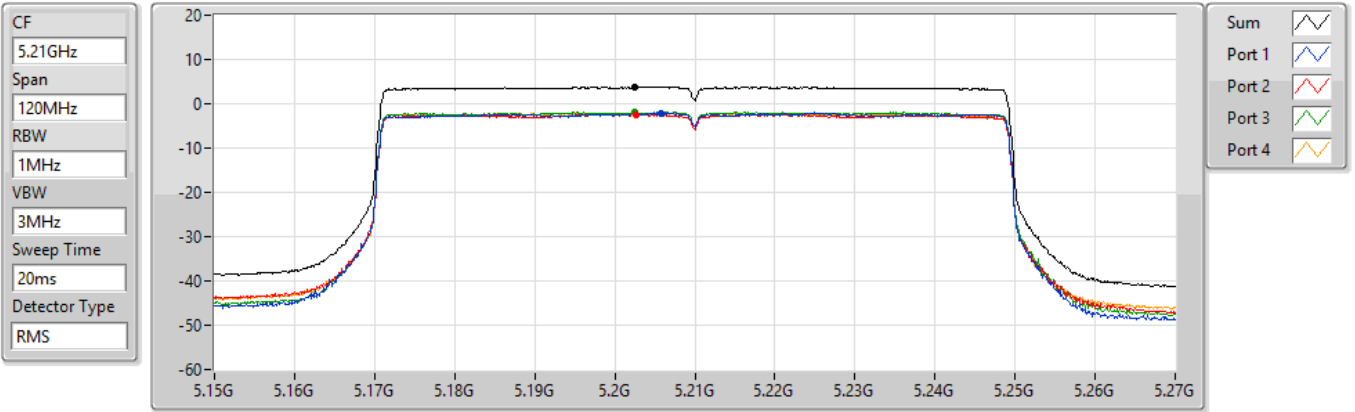
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.76	11.76	5.76	5.77	6.21	5.70

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

15/04/2022



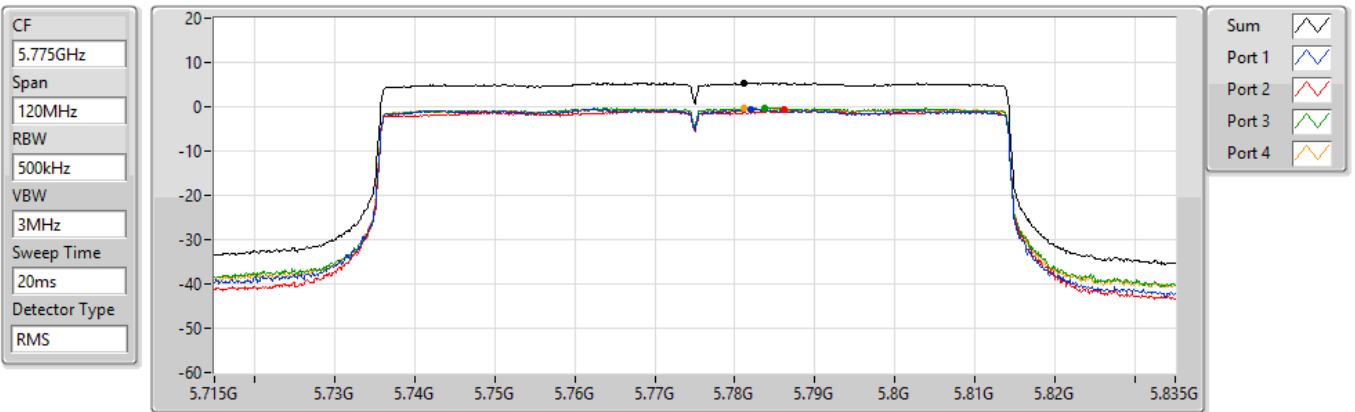
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.83	3.83	-2.10	-2.40	-1.89	-2.07

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

15/04/2022



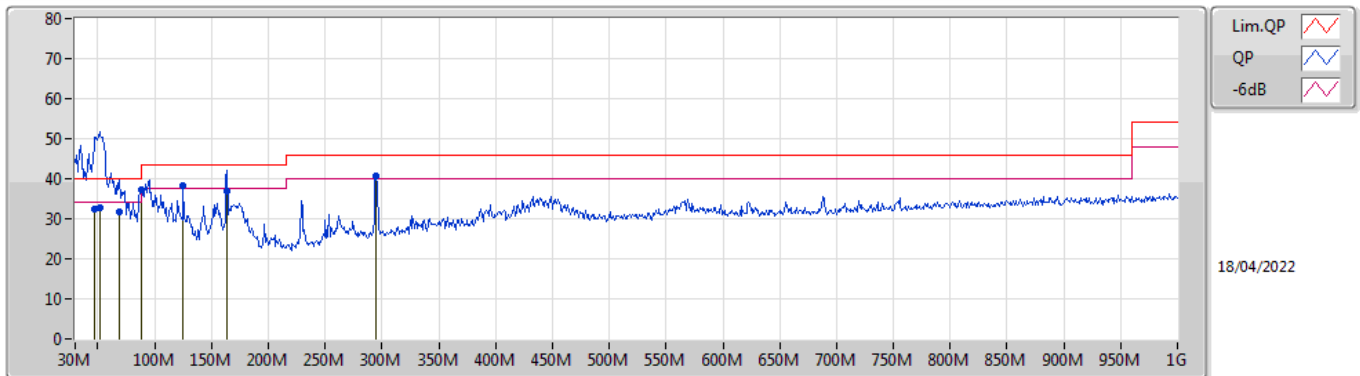
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.37	5.37	-0.47	-0.78	-0.24	-0.45



Summary

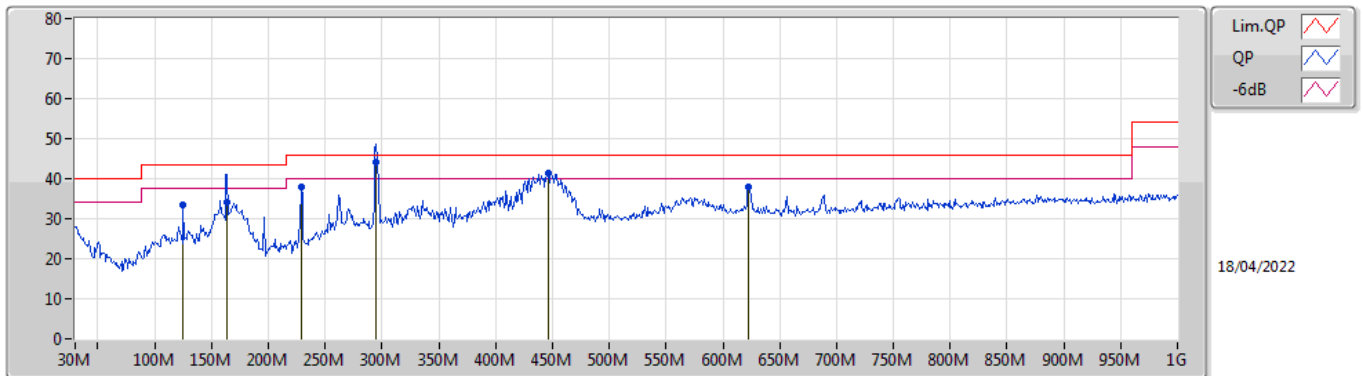
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	294.81M	44.04	46.00	-1.96	Horizontal

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	47.46M	32.55	40.00	-7.45	-15.78	3	Vertical	74	1.00	-	48.33	14.91	1.05	31.74
QP	51.34M	32.63	40.00	-7.37	-17.17	3	Vertical	74	1.00	-	49.80	13.50	1.10	31.77
QP	68.8M	31.88	40.00	-8.12	-18.41	3	Vertical	74	1.00	-	50.29	12.20	1.28	31.89
PK	88M	37.07	43.50	-6.43	-16.30	3	Vertical	74	1.00	-	53.37	14.15	1.46	31.91
PK	125.06M	38.33	43.50	-5.17	-12.41	3	Vertical	74	1.00	"Worst"	50.74	17.89	1.65	31.95
QP	163.86M	36.83	43.50	-6.67	-14.27	3	Vertical	171	1.00	-	51.10	15.67	2.02	31.96
PK	294.81M	40.75	46.00	-5.25	-10.41	3	Vertical	181	1.50	-	51.16	18.98	2.68	32.07

Mode 3



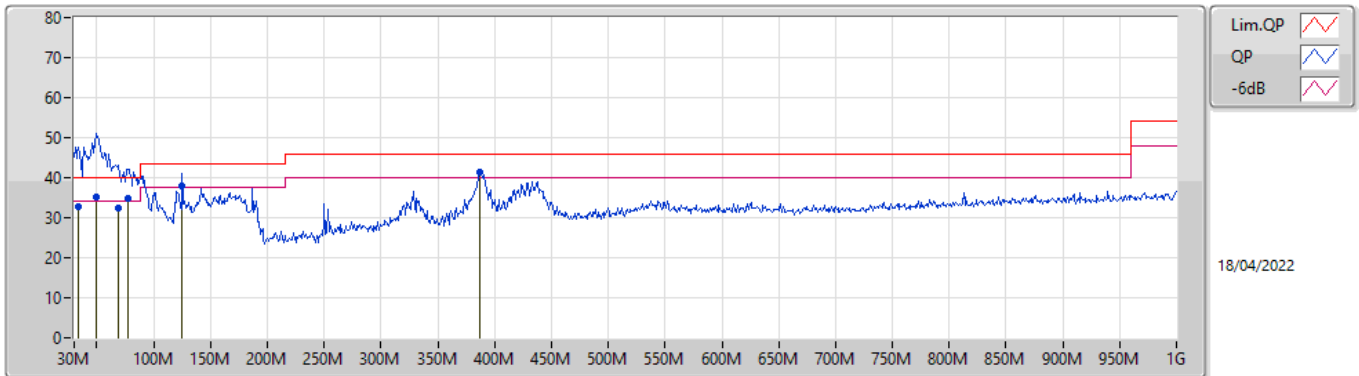
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	125.06M	33.49	43.50	-10.01	-12.41	3	Horizontal	151	3.00	-	45.90	17.89	1.65	31.95
QP	163.86M	34.16	43.50	-9.34	-14.27	3	Horizontal	190	2.00	-	48.43	15.67	2.02	31.96
PK	228.85M	37.79	46.00	-8.21	-13.87	3	Horizontal	133	1.50	-	51.66	15.76	2.37	32.00
QP	294.81M	44.04	46.00	-1.96	-10.41	3	Horizontal	113	1.25	"Worst"	54.45	18.98	2.68	32.07
PK	446.13M	41.39	46.00	-4.61	-6.27	3	Horizontal	327	1.00	-	47.66	22.52	3.48	32.27
PK	622.67M	37.82	46.00	-8.18	-3.95	3	Horizontal	237	1.50	-	41.77	24.48	4.09	32.52



Summary

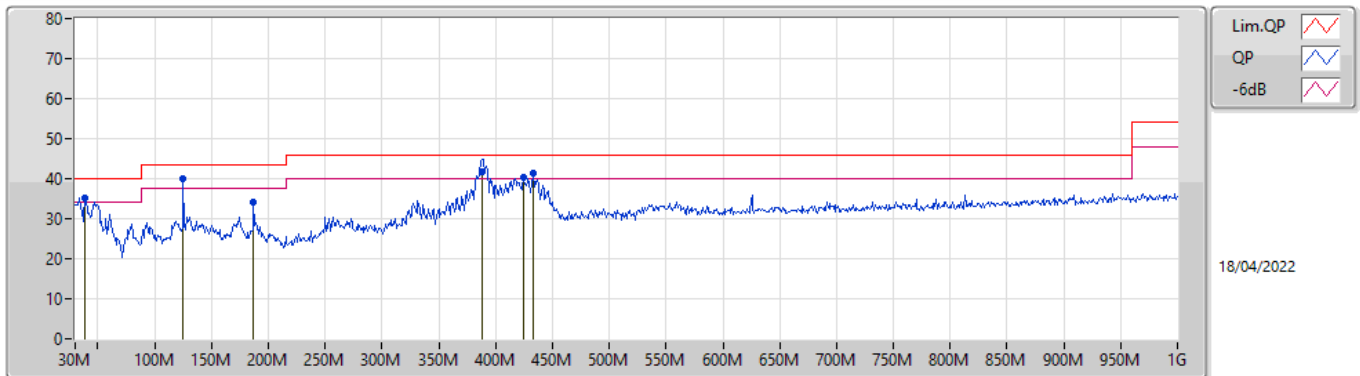
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 5	Pass	PK	125.06M	39.88	43.50	-3.62	Horizontal

Mode 5



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	33.88M	32.62	40.00	-7.38	-8.71	3	Vertical	83	1.25	-	41.33	21.98	0.88	31.57
QP	49.4M	35.01	40.00	-4.99	-16.48	3	Vertical	193	1.00	-	51.49	14.28	1.00	31.76
QP	68.8M	32.39	40.00	-7.61	-18.41	3	Vertical	125	1.25	-	50.80	12.20	1.28	31.89
QP	77.53M	34.76	40.00	-5.24	-18.12	3	Vertical	129	1.50	-	52.88	12.49	1.30	31.91
QP	125.06M	38.08	43.50	-5.42	-12.41	3	Vertical	41	1.25	-	50.49	17.89	1.65	31.95
PK	386.96M	41.36	46.00	-4.64	-8.07	3	Vertical	320	1.25	"Worst"	49.43	21.05	3.05	32.17

Mode 5



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	38.73M	35.33	40.00	-4.67	-11.39	3	Horizontal	115	2.00	-	46.72	19.35	0.90	31.64
PK	125.06M	39.88	43.50	-3.62	-12.41	3	Horizontal	112	1.50	"Worst"	52.29	17.89	1.65	31.95
PK	187.14M	34.01	43.50	-9.49	-15.00	3	Horizontal	127	1.00	-	49.01	14.87	2.10	31.97
QP	387.93M	41.67	46.00	-4.33	-8.03	3	Horizontal	218	1.00	-	49.70	21.09	3.05	32.17
PK	424.79M	40.20	46.00	-5.80	-6.73	3	Horizontal	311	1.00	-	46.93	22.30	3.20	32.23
PK	433.52M	41.30	46.00	-4.70	-6.72	3	Horizontal	320	1.00	-	48.02	22.30	3.23	32.25

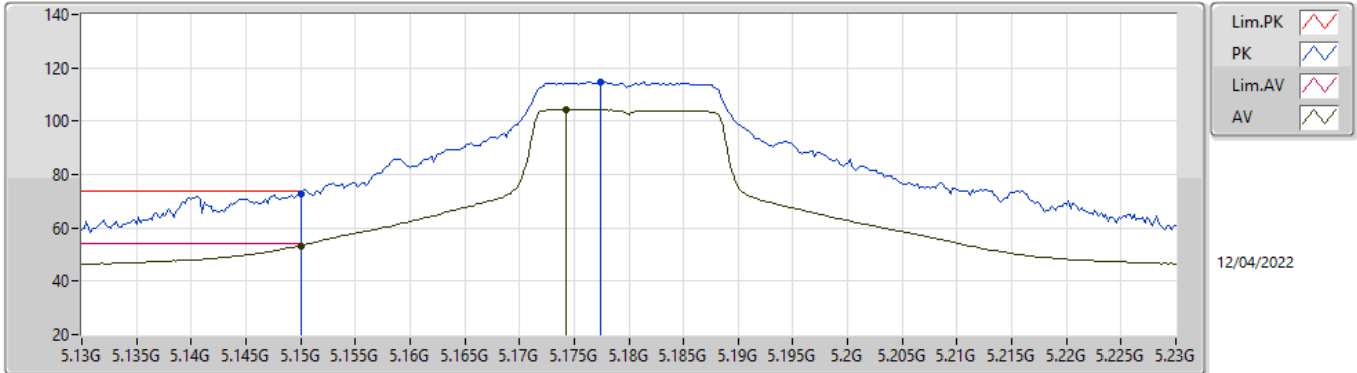


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	PK	5.65G	68.12	68.20	-0.08	3	Horizontal	41	2.39	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TnomVnom

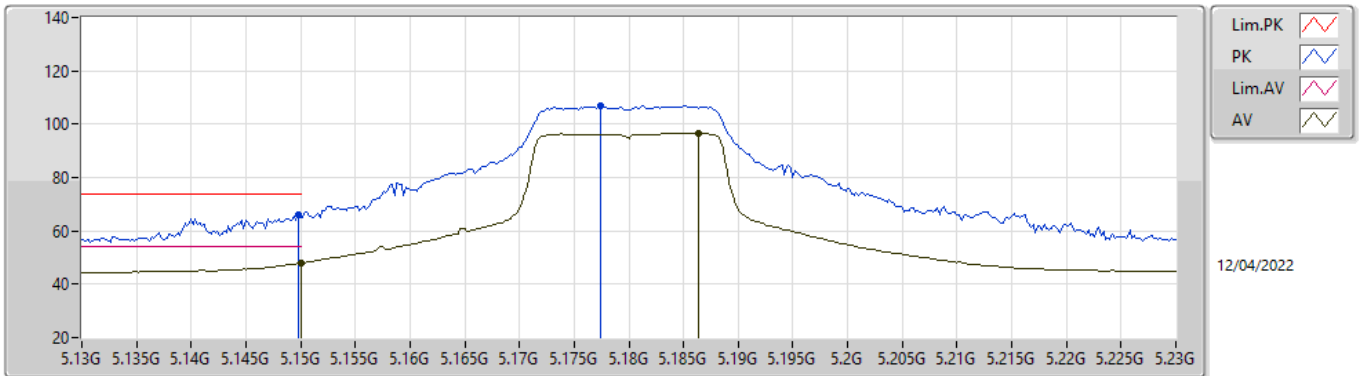


EUTY_1TX
Setting 23.5
04-D-K-4-10

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	5.15G	72.99	74.00	-1.01	68.21	3	Vertical	288	1.85	-	32.90	5.05	33.17
AV	5.15G	53.29	54.00	-0.71	48.51	3	Vertical	288	1.85	-	32.90	5.05	33.17
PK	5.1774G	114.83	Inf	-Inf	109.97	3	Vertical	288	1.85	-	32.95	5.08	33.17
AV	5.1742G	104.32	Inf	-Inf	99.47	3	Vertical	288	1.85	-	32.95	5.07	33.17

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TnomVnom

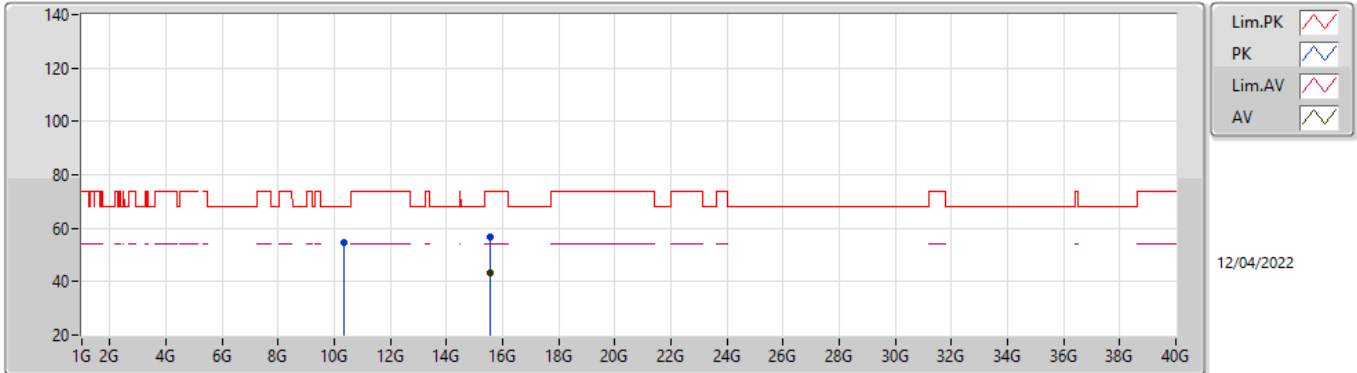


EUTY_1TX
Setting 23.5
04-D-K-4-10

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	5.1498G	65.91	74.00	-8.09	61.13	3	Horizontal	104	2.34	-	32.90	5.05	33.17
AV	5.15G	47.89	54.00	-6.11	43.11	3	Horizontal	104	2.34	-	32.90	5.05	33.17
PK	5.1774G	106.93	Inf	-Inf	102.07	3	Horizontal	104	2.34	-	32.95	5.08	33.17
AV	5.1864G	96.53	Inf	-Inf	91.64	3	Horizontal	104	2.34	-	32.97	5.09	33.17

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TnomVnom

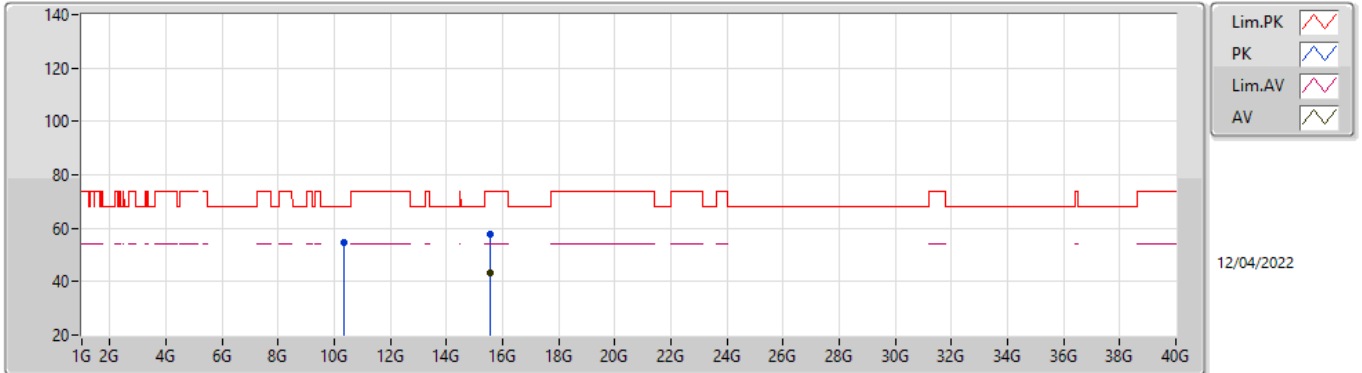


EUTY_1TX
Setting 23.5
04-D-K-4

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	10.36768G	54.63	68.20	-13.57	41.79	3	Vertical	293	1.19	-	38.97	7.86	33.99
PK	15.53722G	56.95	74.00	-17.05	44.25	3	Vertical	280	1.88	-	38.85	8.98	35.13
AV	15.53724G	43.50	54.00	-10.50	30.80	3	Vertical	280	1.88	-	38.85	8.98	35.13

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TnomVnom

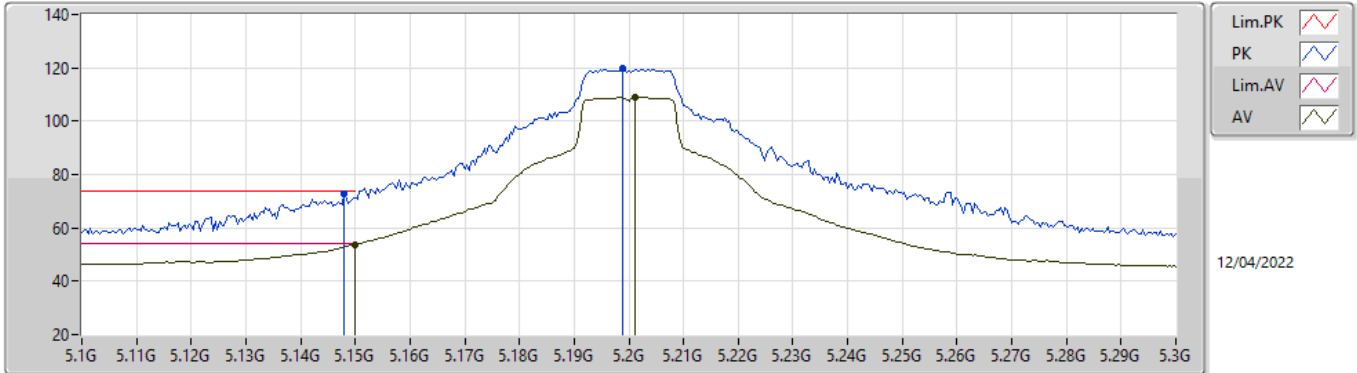


EUTY_1TX
Setting 23.5
04-D-K-4

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	10.35784G	54.55	68.20	-13.65	41.72	3	Horizontal	10	1.43	-	38.96	7.85	33.98
PK	15.54118G	57.60	74.00	-16.40	44.90	3	Horizontal	225	1.50	-	38.84	8.99	35.13
AV	15.54236G	43.39	54.00	-10.61	30.70	3	Horizontal	225	1.50	-	38.83	8.99	35.13

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TnomVnom

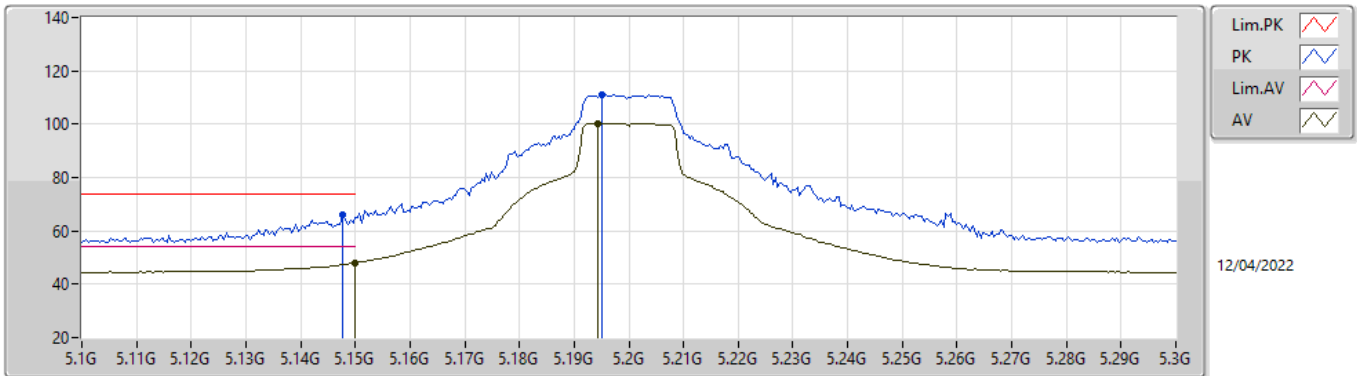


EUTY_1TX
Setting 28
04-D-K-4-10

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	5.148G	72.93	74.00	-1.07	68.14	3	Vertical	288	2.46	-	32.91	5.05	33.17
AV	5.15G	53.86	54.00	-0.14	49.08	3	Vertical	288	2.46	-	32.90	5.05	33.17
PK	5.1988G	119.64	Inf	-Inf	114.71	3	Vertical	288	2.46	-	33.00	5.10	33.17
AV	5.2012G	108.82	Inf	-Inf	103.89	3	Vertical	288	2.46	-	33.00	5.10	33.17

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TnomVnom

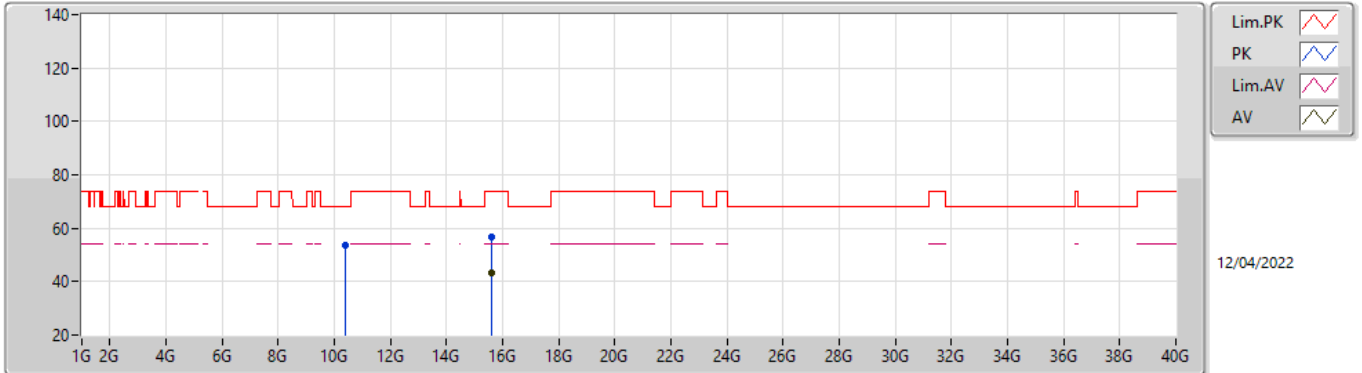


EUTY_1TX
Setting 28
04-D-K-4-10

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	66.28	74.00	-7.72	61.49	3	Horizontal	106	2.42	-	32.91	5.05	33.17
AV	5.15G	48.18	54.00	-5.82	43.40	3	Horizontal	106	2.42	-	32.90	5.05	33.17
PK	5.1952G	111.13	Inf	-Inf	106.21	3	Horizontal	106	2.42	-	32.99	5.10	33.17
AV	5.1944G	100.32	Inf	-Inf	95.41	3	Horizontal	106	2.42	-	32.99	5.09	33.17

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TnomVnom

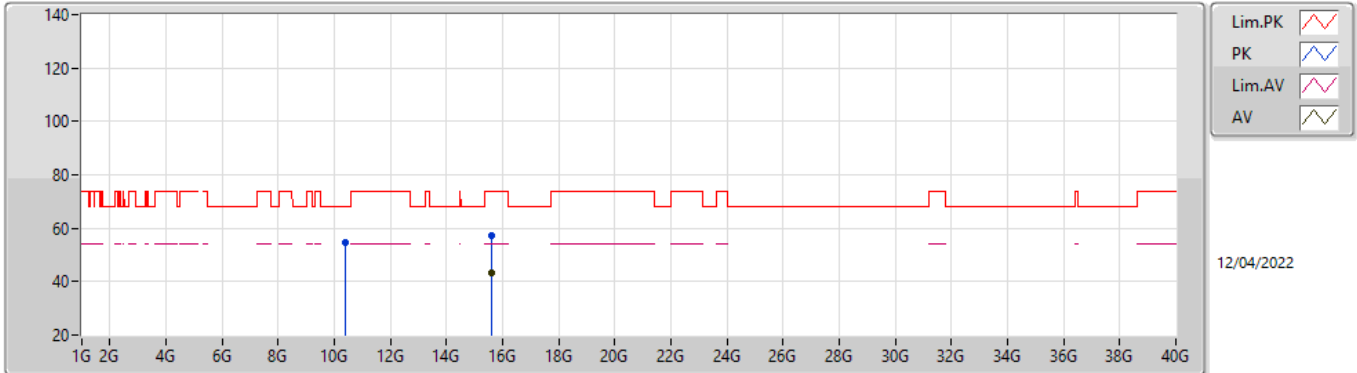


EUTY_1TX
Setting 28
04-D-K-4

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	10.40074G	53.65	68.20	-14.55	40.79	3	Vertical	27	2.41	-	39.00	7.88	34.02
PK	15.59596G	56.79	74.00	-17.21	44.31	3	Vertical	293	2.48	-	38.62	9.00	35.14
AV	15.60062G	43.27	54.00	-10.73	30.81	3	Vertical	293	2.48	-	38.60	9.00	35.14

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TnomVnom

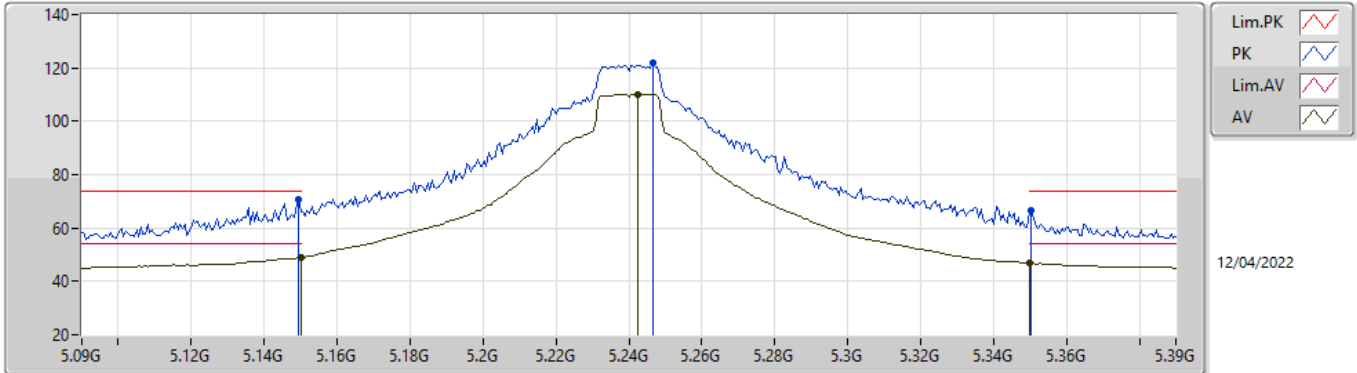


EUTY_1TX
Setting 28
04-D-K-4

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	10.39998G	54.54	68.20	-13.66	41.68	3	Horizontal	325	2.74	-	39.00	7.88	34.02
PK	15.59774G	57.24	74.00	-16.76	44.77	3	Horizontal	118	2.35	-	38.61	9.00	35.14
AV	15.59761G	43.23	54.00	-10.77	30.76	3	Horizontal	118	2.35	-	38.61	9.00	35.14

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TnomVnom

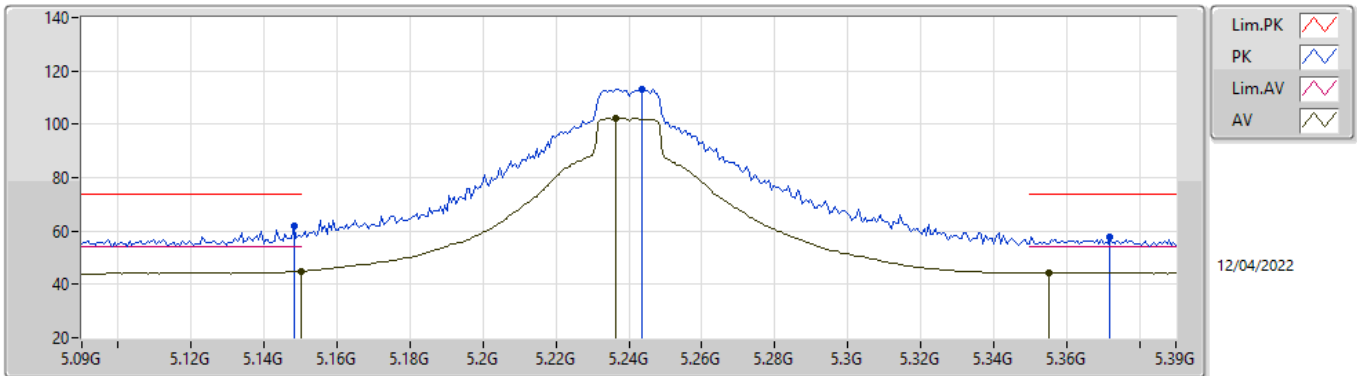


EUTY_1TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1494G	70.45	74.00	-3.55	65.67	3	Vertical	286	1.80	-	32.90	5.05	33.17
AV	5.15G	48.85	54.00	-5.15	44.07	3	Vertical	286	1.80	-	32.90	5.05	33.17
PK	5.2466G	121.66	Inf	-Inf	116.73	3	Vertical	286	1.80	-	33.00	5.10	33.17
AV	5.2424G	110.11	Inf	-Inf	105.18	3	Vertical	286	1.80	-	33.00	5.10	33.17
PK	5.3504G	66.57	74.00	-7.43	61.54	3	Vertical	286	1.80	-	33.10	5.10	33.17
AV	5.35G	46.70	54.00	-7.30	41.67	3	Vertical	286	1.80	-	33.10	5.10	33.17

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TnomVnom

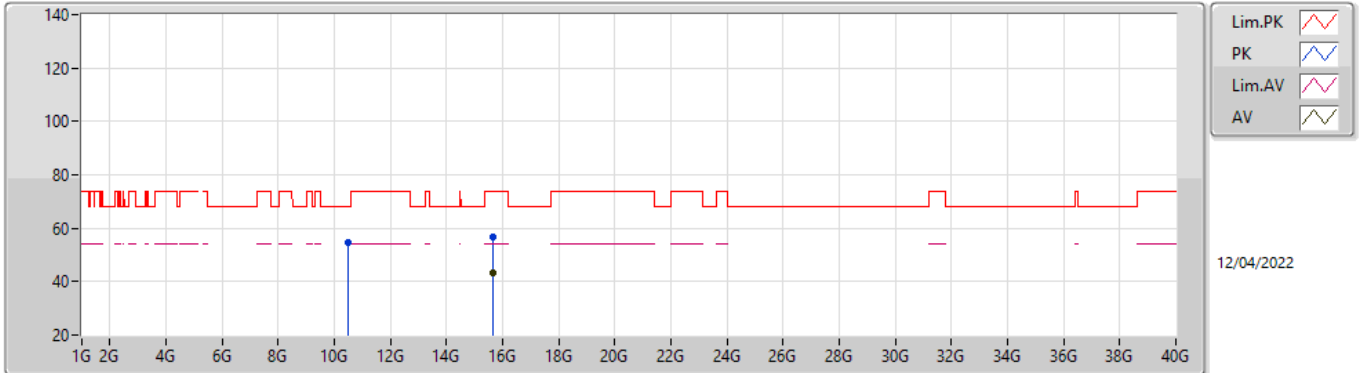


EUT_V_1TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1482G	62.10	74.00	-11.90	57.31	3	Horizontal	107	2.11	-	32.91	5.05	33.17
AV	5.15G	44.85	54.00	-9.15	40.07	3	Horizontal	107	2.11	-	32.90	5.05	33.17
PK	5.2436G	113.19	Inf	-Inf	108.26	3	Horizontal	107	2.11	-	33.00	5.10	33.17
AV	5.2364G	102.36	Inf	-Inf	97.43	3	Horizontal	107	2.11	-	33.00	5.10	33.17
PK	5.372G	57.96	74.00	-16.04	52.80	3	Horizontal	107	2.11	-	33.23	5.10	33.17
AV	5.3552G	44.43	54.00	-9.57	39.37	3	Horizontal	107	2.11	-	33.13	5.10	33.17

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TnomVnom

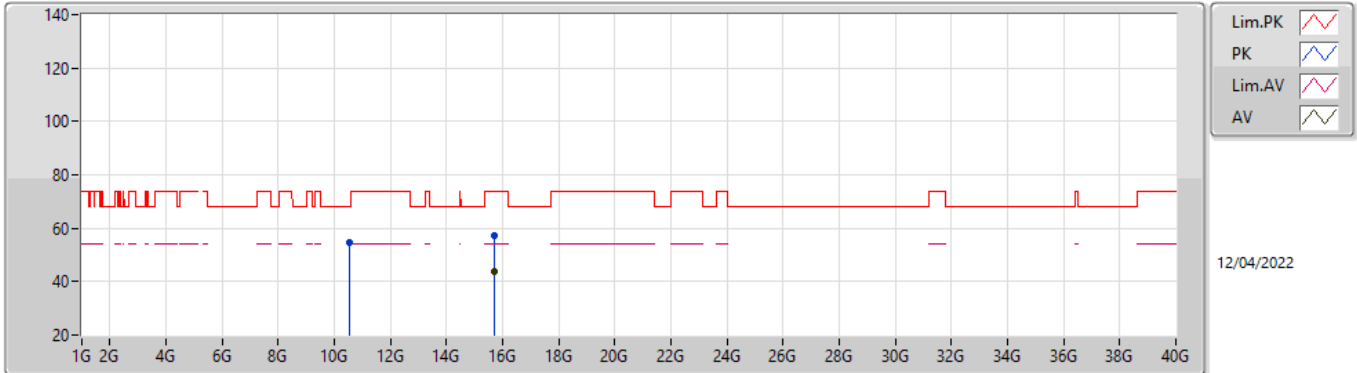


EUTY_1TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.5128G	54.83	68.20	-13.37	41.80	3	Vertical	81	1.80	-	39.20	7.96	34.13
PK	15.6768G	56.76	74.00	-17.24	44.51	3	Vertical	89	1.80	-	38.37	9.02	35.14
AV	15.6726G	43.06	54.00	-10.94	30.80	3	Vertical	89	1.80	-	38.38	9.02	35.14

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TnomVnom

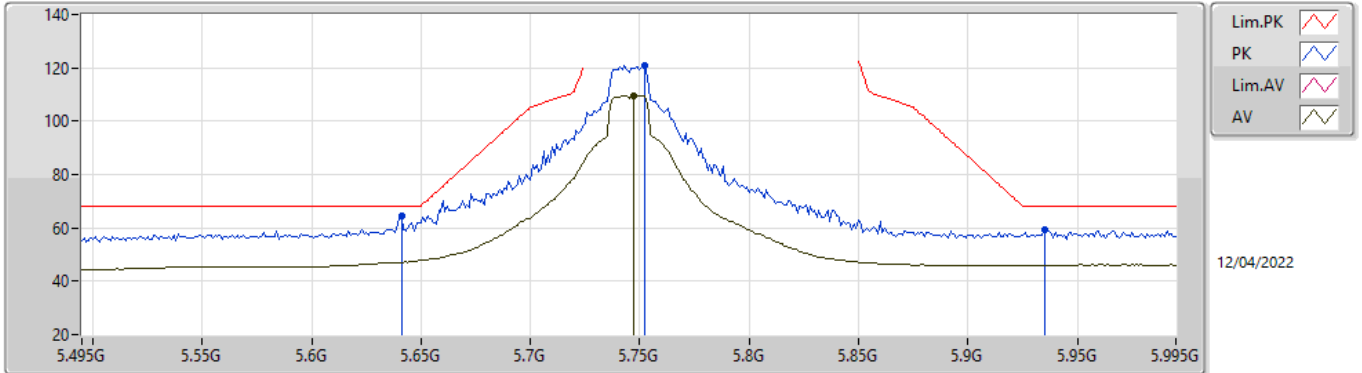


EUTY_1TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.5202G	54.42	68.20	-13.78	41.40	3	Horizontal	146	1.45	-	39.20	7.96	34.14
PK	15.71G	57.14	74.00	-16.86	44.91	3	Horizontal	209	1.63	-	38.34	9.03	35.14
AV	15.723G	43.64	54.00	-10.36	31.36	3	Horizontal	209	1.63	-	38.39	9.03	35.14

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TnomVnom

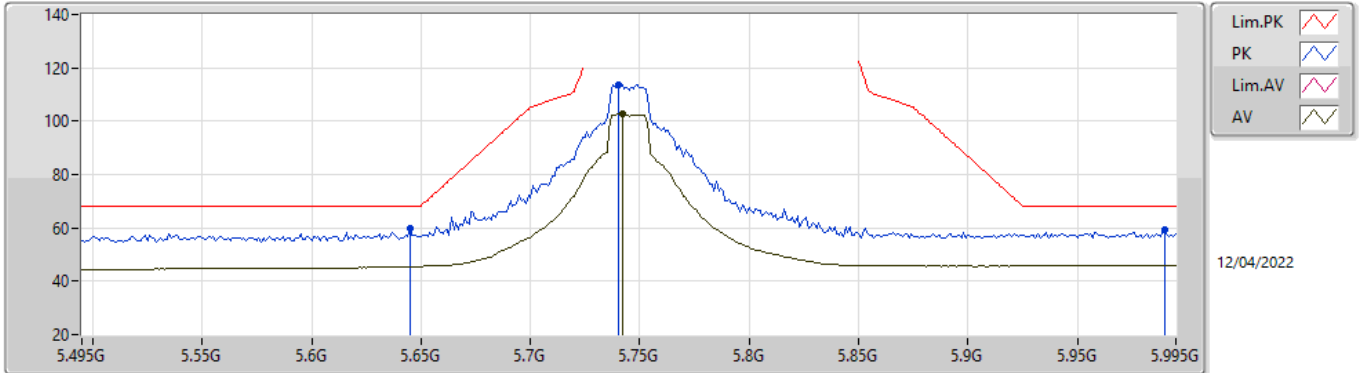


EUTY_1TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.641G	64.40	68.20	-3.80	58.09	3	Vertical	157	1.95	-	34.25	5.30	33.24
PK	5.752G	120.73	Inf	-Inf	114.31	3	Vertical	157	1.95	-	34.40	5.30	33.28
AV	5.747G	109.58	Inf	-Inf	103.17	3	Vertical	157	1.95	-	34.39	5.30	33.28
PK	5.935G	59.32	68.20	-8.88	52.19	3	Vertical	157	1.95	-	35.11	5.37	33.35

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TnomVnom

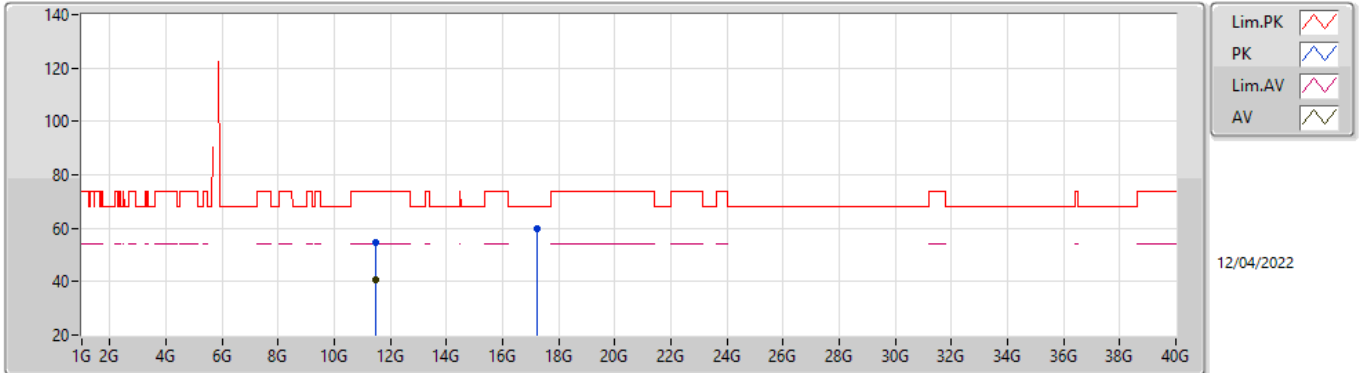


EUTY_1TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.645G	59.60	68.20	-8.60	53.27	3	Horizontal	20	2.09	-	34.27	5.30	33.24
PK	5.74G	113.60	Inf	-Inf	107.22	3	Horizontal	20	2.09	-	34.36	5.30	33.28
AV	5.742G	102.55	Inf	-Inf	96.16	3	Horizontal	20	2.09	-	34.37	5.30	33.28
PK	5.99G	59.41	68.20	-8.79	52.03	3	Horizontal	20	2.09	-	35.36	5.40	33.38

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TnomVnom

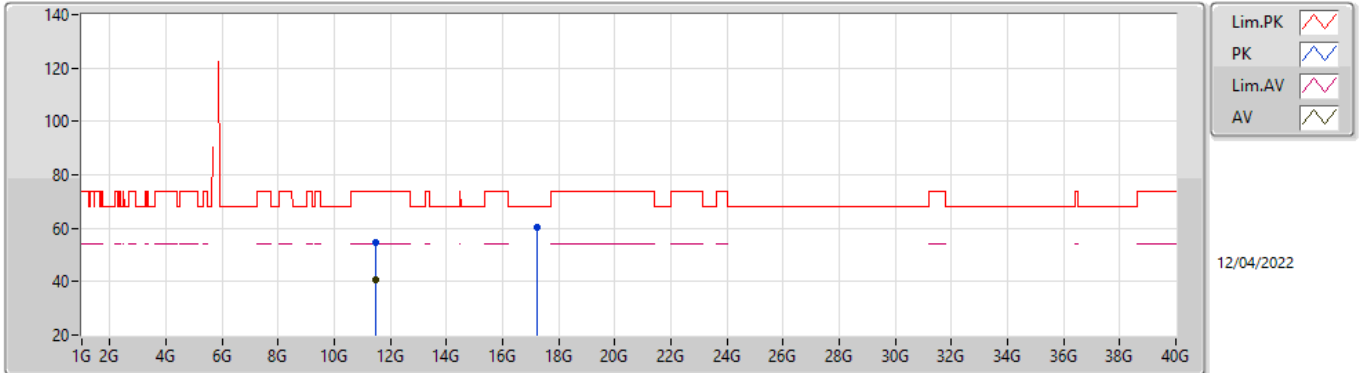


EUTY_1TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48884G	54.45	74.00	-19.55	41.25	3	Vertical	192	2.65	-	39.31	8.64	34.75
AV	11.4879G	40.69	54.00	-13.31	27.49	3	Vertical	192	2.65	-	39.31	8.64	34.75
PK	17.2321G	59.94	68.20	-8.26	43.73	3	Vertical	70	2.79	-	41.36	9.53	34.68

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TnomVnom

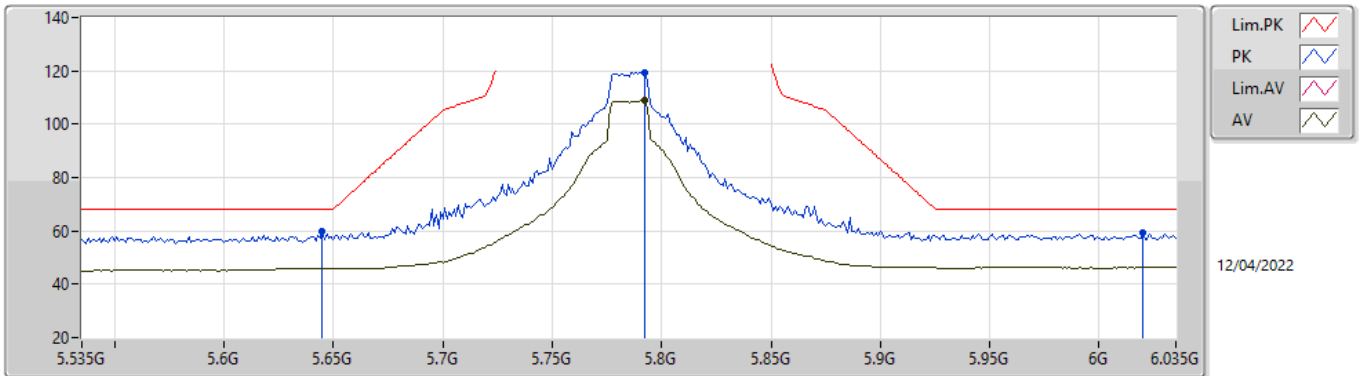


EUTY_1TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48636G	54.61	74.00	-19.39	41.41	3	Horizontal	338	2.07	-	39.31	8.64	34.75
AV	11.48546G	40.68	54.00	-13.32	27.48	3	Horizontal	338	2.07	-	39.31	8.64	34.75
PK	17.23334G	60.48	68.20	-7.72	44.26	3	Horizontal	335	1.92	-	41.37	9.53	34.68

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TnomVnom

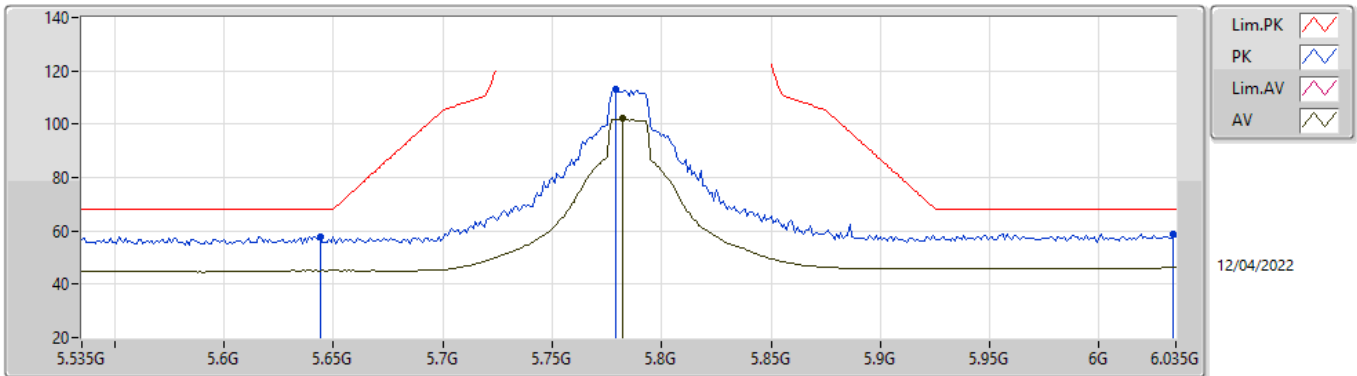


EUTY_1TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.645G	59.73	68.20	-8.47	53.40	3	Vertical	157	1.85	-	34.27	5.30	33.24
PK	5.792G	119.31	Inf	-Inf	112.83	3	Vertical	157	1.85	-	34.48	5.30	33.30
AV	5.792G	108.88	Inf	-Inf	102.40	3	Vertical	157	1.85	-	34.48	5.30	33.30
PK	6.02G	59.28	68.20	-8.92	51.83	3	Vertical	157	1.85	-	35.40	5.42	33.37

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TnomVnom

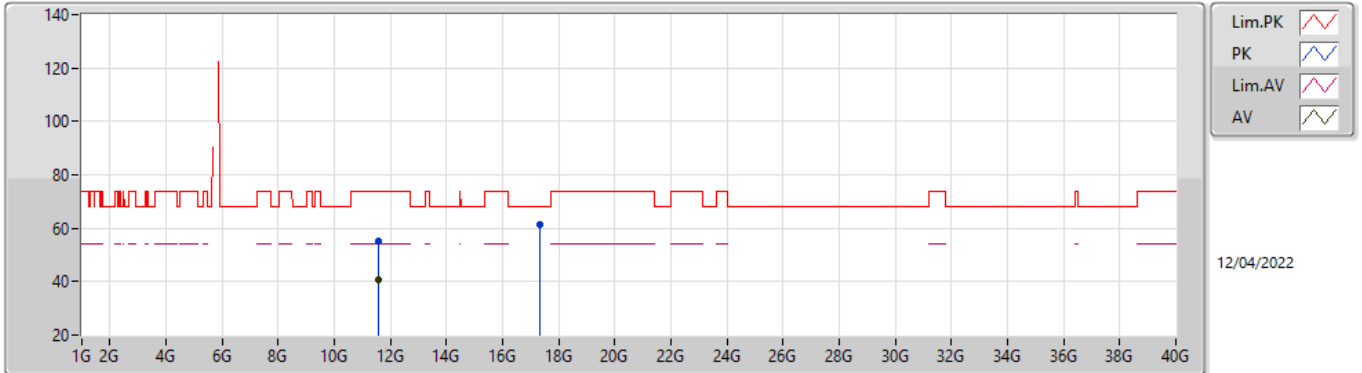


EUTY_1TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.644G	57.81	68.20	-10.39	51.49	3	Horizontal	12	1.71	-	34.26	5.30	33.24
PK	5.779G	112.88	Inf	-Inf	106.41	3	Horizontal	12	1.71	-	34.46	5.30	33.29
AV	5.782G	102.03	Inf	-Inf	95.56	3	Horizontal	12	1.71	-	34.46	5.30	33.29
PK	6.034G	58.93	68.20	-9.27	51.46	3	Horizontal	12	1.71	-	35.40	5.43	33.36

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TnomVnom

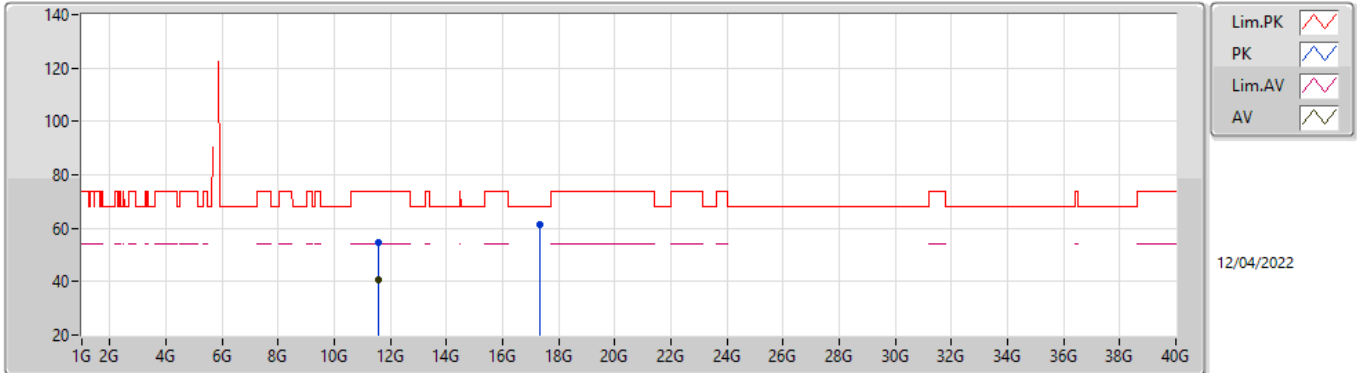


EUTY_1TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.568G	55.02	74.00	-18.98	41.81	3	Vertical	108	2.17	-	39.30	8.70	34.79
AV	11.5658G	40.87	54.00	-13.13	27.66	3	Vertical	108	2.17	-	39.30	8.70	34.79
PK	17.35104G	61.37	68.20	-6.83	44.54	3	Vertical	212	1.25	-	41.85	9.57	34.59

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TnomVnom

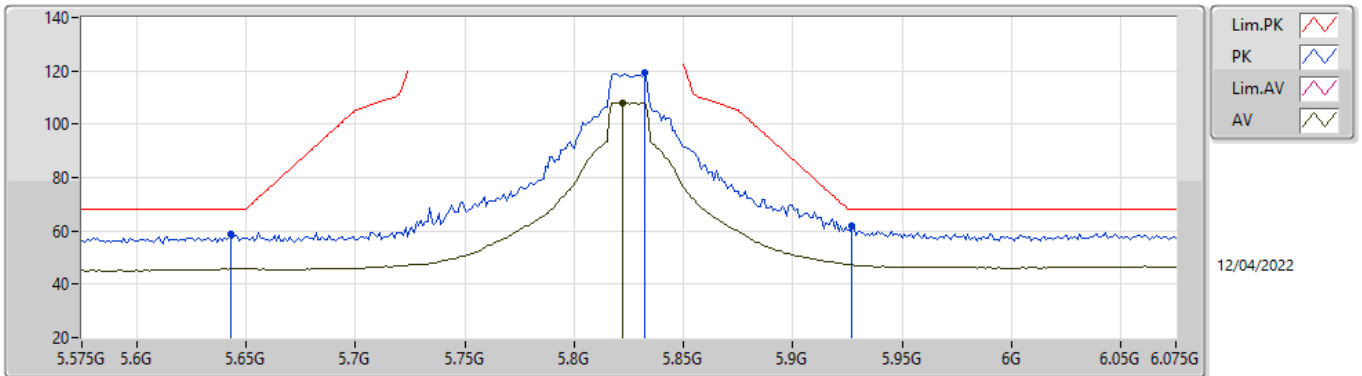


EUTY_1TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5709G	54.85	74.00	-19.15	41.64	3	Horizontal	180	2.83	-	39.30	8.70	34.79
AV	11.56506G	40.91	54.00	-13.09	27.69	3	Horizontal	180	2.83	-	39.30	8.70	34.78
PK	17.35014G	61.19	68.20	-7.01	44.36	3	Horizontal	347	2.59	-	41.85	9.57	34.59

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TnomVnom

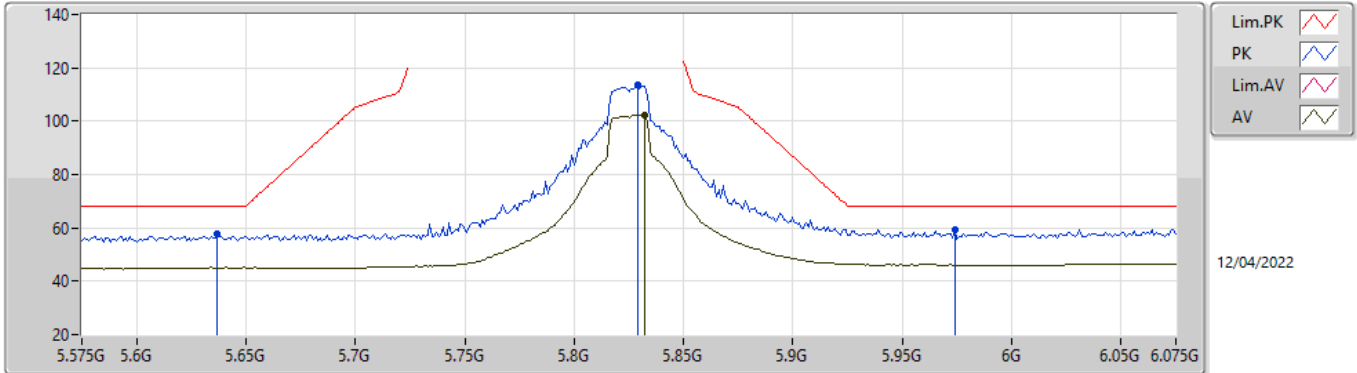


EUTY_1TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.643G	58.63	68.20	-9.57	52.31	3	Vertical	156	1.86	-	34.26	5.30	33.24
PK	5.832G	119.10	Inf	-Inf	112.40	3	Vertical	156	1.86	-	34.69	5.32	33.31
AV	5.822G	108.07	Inf	-Inf	101.44	3	Vertical	156	1.86	-	34.63	5.31	33.31
PK	5.927G	61.70	68.20	-6.50	54.63	3	Vertical	156	1.86	-	35.06	5.36	33.35

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TnomVnom

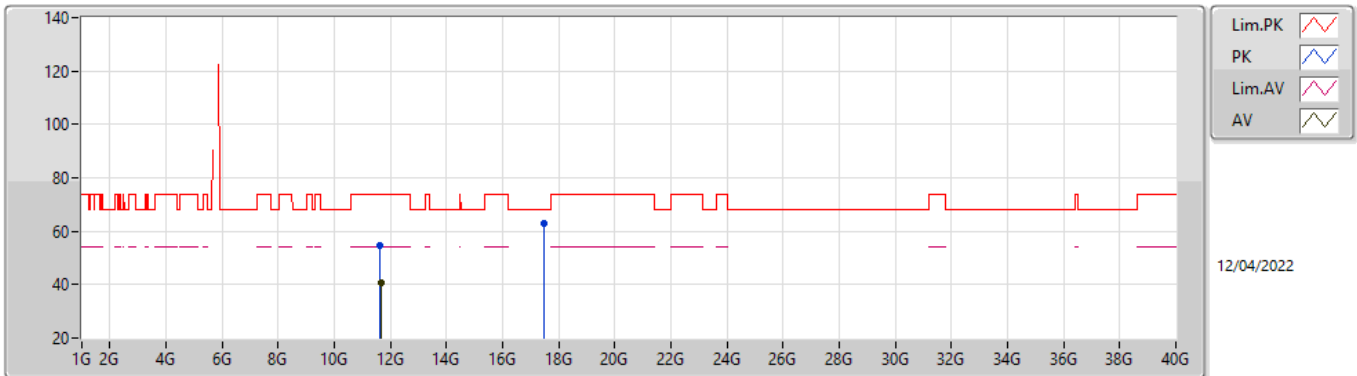


EUTY_1TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.637G	57.81	68.20	-10.39	51.52	3	Horizontal	15	2.85	-	34.22	5.30	33.23
PK	5.829G	113.50	Inf	-Inf	106.83	3	Horizontal	15	2.85	-	34.67	5.31	33.31
AV	5.832G	102.29	Inf	-Inf	95.59	3	Horizontal	15	2.85	-	34.69	5.32	33.31
PK	5.974G	59.52	68.20	-8.68	52.20	3	Horizontal	15	2.85	-	35.30	5.39	33.37

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TnomVnom

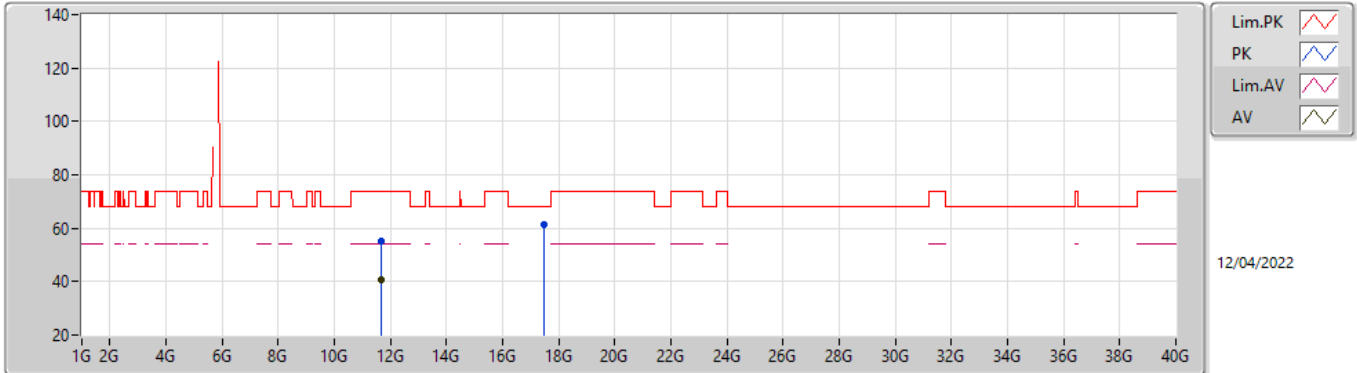


EUTY_1TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.64652G	54.64	74.00	-19.36	41.46	3	Vertical	247	1.91	-	39.25	8.75	34.82
AV	11.6514G	40.55	54.00	-13.45	27.36	3	Vertical	247	1.91	-	39.25	8.76	34.82
PK	17.47614G	62.97	68.20	-5.23	45.77	3	Vertical	130	1.41	-	42.08	9.62	34.50

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TnomVnom

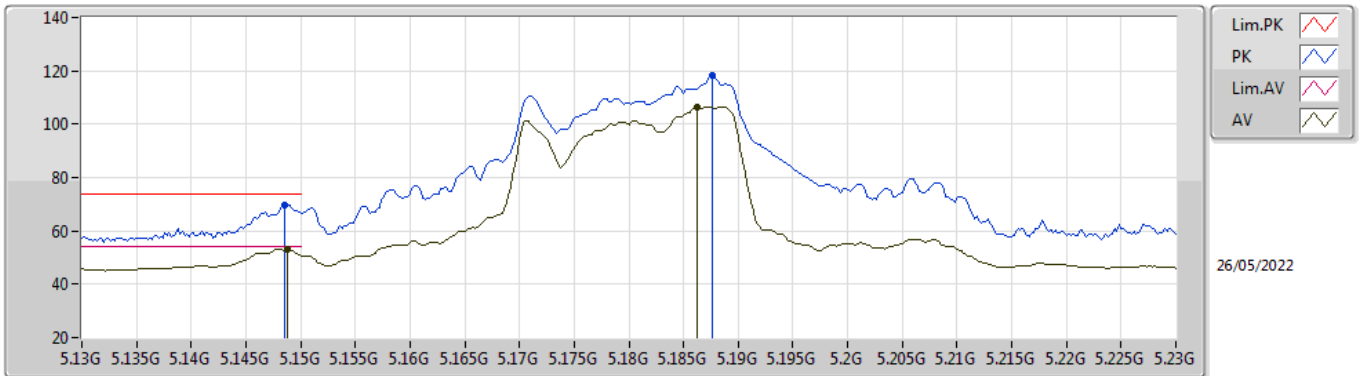


EUTY_1TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.65216G	55.09	74.00	-18.91	41.90	3	Horizontal	47	2.04	-	39.25	8.76	34.82
AV	11.65424G	40.60	54.00	-13.40	27.41	3	Horizontal	47	2.04	-	39.25	8.76	34.82
PK	17.47416G	61.56	68.20	-6.64	44.37	3	Horizontal	17	2.08	-	42.07	9.62	34.50

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

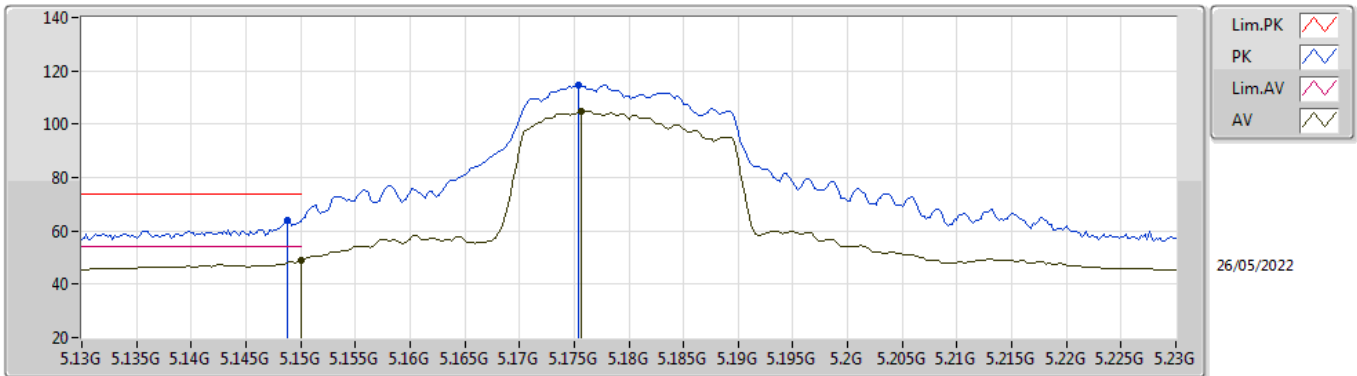


EUT Y_4TX
Setting 22
02-D-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1486G	69.66	74.00	-4.34	62.96	3	Vertical	16	2.80	-	33.60	5.25	32.15
AV	5.1488G	53.18	54.00	-0.82	46.48	3	Vertical	16	2.80	-	33.60	5.25	32.15
PK	5.1876G	118.13	Inf	-Inf	111.31	3	Vertical	16	2.80	-	33.68	5.29	32.15
AV	5.1862G	106.63	Inf	-Inf	99.82	3	Vertical	16	2.80	-	33.67	5.29	32.15

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

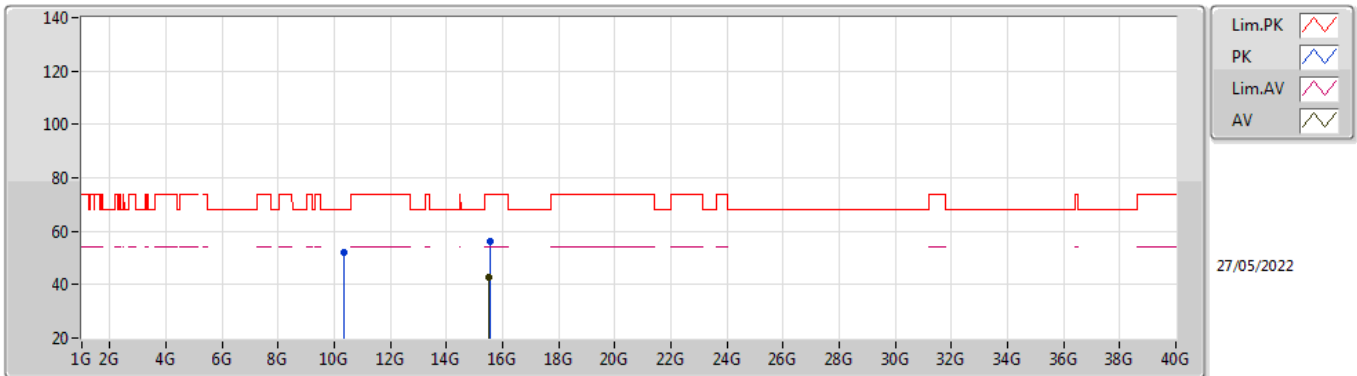


EUT Y_4TX
Setting 22
02-D-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1488G	63.84	74.00	-10.16	57.14	3	Horizontal	71	1.86	-	33.60	5.25	32.15
AV	5.15G	48.76	54.00	-5.24	42.06	3	Horizontal	71	1.86	-	33.60	5.25	32.15
PK	5.1754G	114.90	Inf	-Inf	108.12	3	Horizontal	71	1.86	-	33.65	5.28	32.15
AV	5.1756G	104.96	Inf	-Inf	98.18	3	Horizontal	71	1.86	-	33.65	5.28	32.15

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

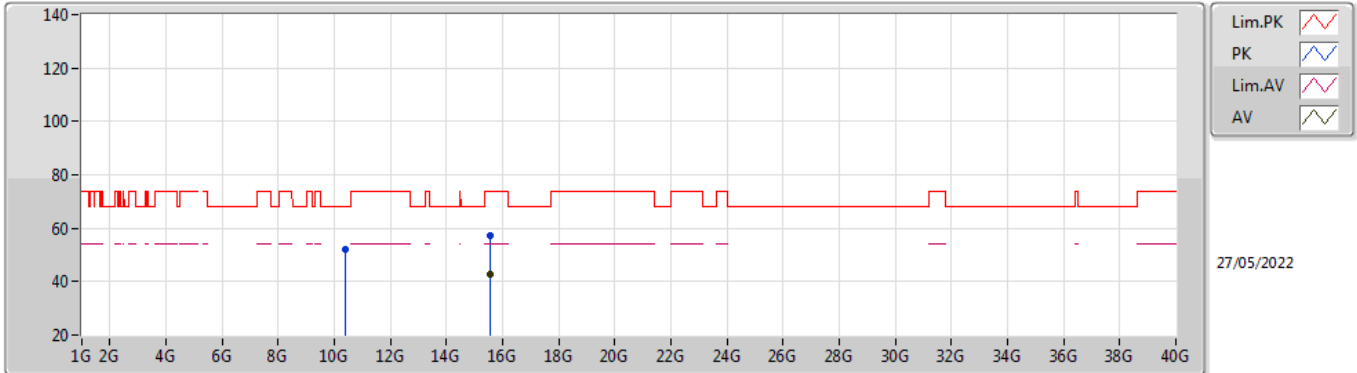


EUT Y_4TX
Setting 22
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.35586G	52.18	68.20	-16.02	39.05	3	Vertical	330	1.15	-	38.64	7.44	32.95
PK	15.5391G	56.26	74.00	-17.74	41.80	3	Vertical	257	2.87	-	37.87	9.79	33.20
AV	15.52842G	42.98	54.00	-11.02	28.44	3	Vertical	257	2.87	-	37.93	9.79	33.18

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

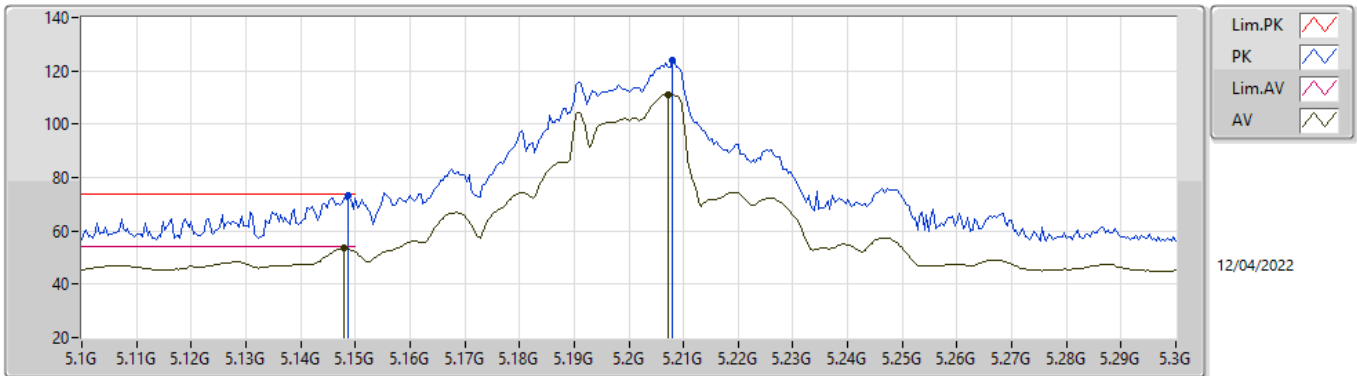


EUT Y_4TX
Setting 22
02-D-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.36972G	52.13	68.20	-16.07	39.01	3	Horizontal	215	1.23	-	38.63	7.45	32.96
PK	15.5376G	57.31	74.00	-16.69	42.84	3	Horizontal	107	1.68	-	37.87	9.79	33.19
AV	15.55188G	42.93	54.00	-11.07	28.55	3	Horizontal	107	1.68	-	37.79	9.80	33.21

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

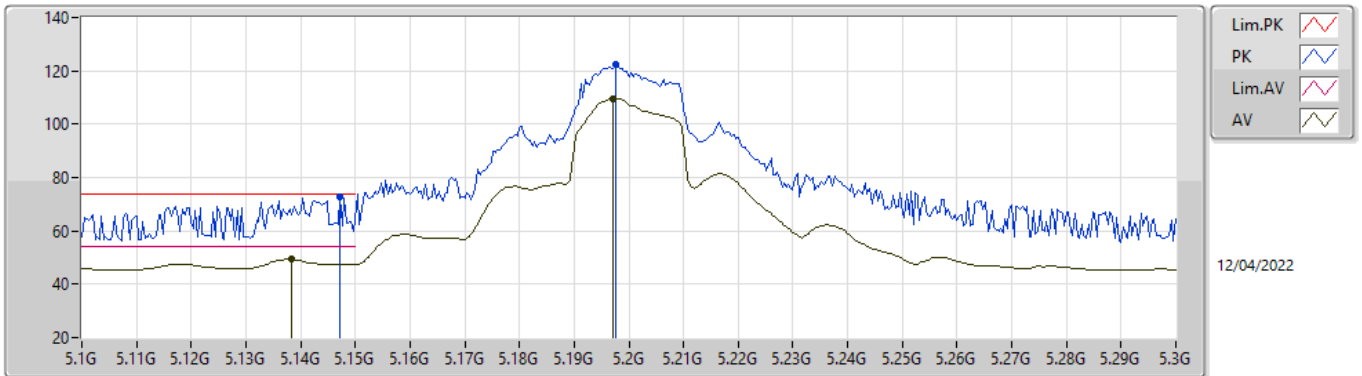


EUTY_4TX
Setting 26.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1488G	73.18	74.00	-0.82	68.40	3	Vertical	29	2.90	-	32.90	5.05	33.17
AV	5.148G	53.44	54.00	-0.56	48.65	3	Vertical	29	2.90	-	32.91	5.05	33.17
PK	5.208G	123.99	Inf	-Inf	119.06	3	Vertical	29	2.90	-	33.00	5.10	33.17
AV	5.2072G	111.21	Inf	-Inf	106.28	3	Vertical	29	2.90	-	33.00	5.10	33.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

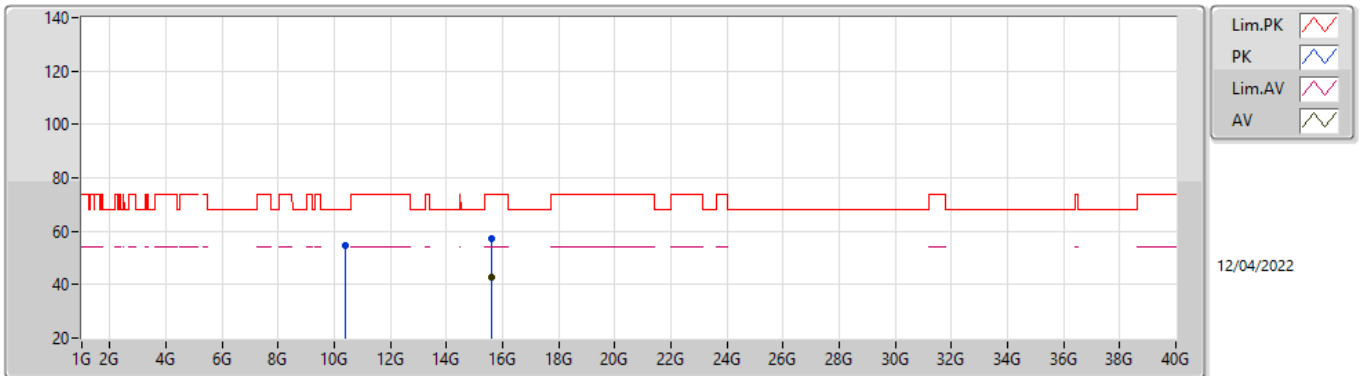


EUTY_4TX
Setting 26.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1472G	72.87	74.00	-1.13	68.08	3	Horizontal	78	2.84	-	32.91	5.05	33.17
AV	5.1384G	49.37	54.00	-4.63	44.55	3	Horizontal	78	2.84	-	32.95	5.04	33.17
PK	5.1976G	122.55	Inf	-Inf	117.62	3	Horizontal	78	2.84	-	33.00	5.10	33.17
AV	5.1972G	109.44	Inf	-Inf	104.52	3	Horizontal	78	2.84	-	32.99	5.10	33.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

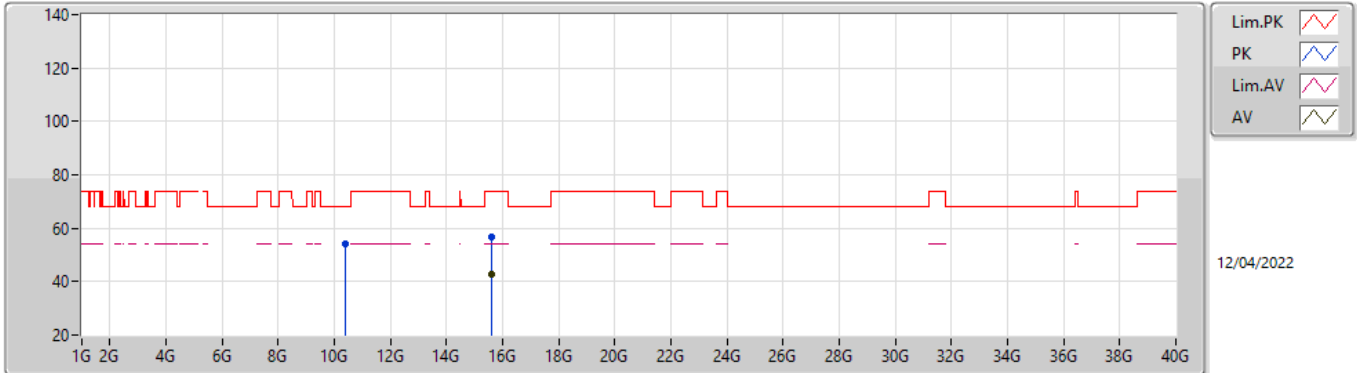


EUTY_4TX
Setting 26.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40046G	54.43	68.20	-13.77	41.57	3	Vertical	117	1.97	-	39.00	7.88	34.02
PK	15.605G	57.18	74.00	-16.82	44.73	3	Vertical	107	2.03	-	38.59	9.00	35.14
AV	15.5993G	42.78	54.00	-11.22	30.32	3	Vertical	107	2.03	-	38.60	9.00	35.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

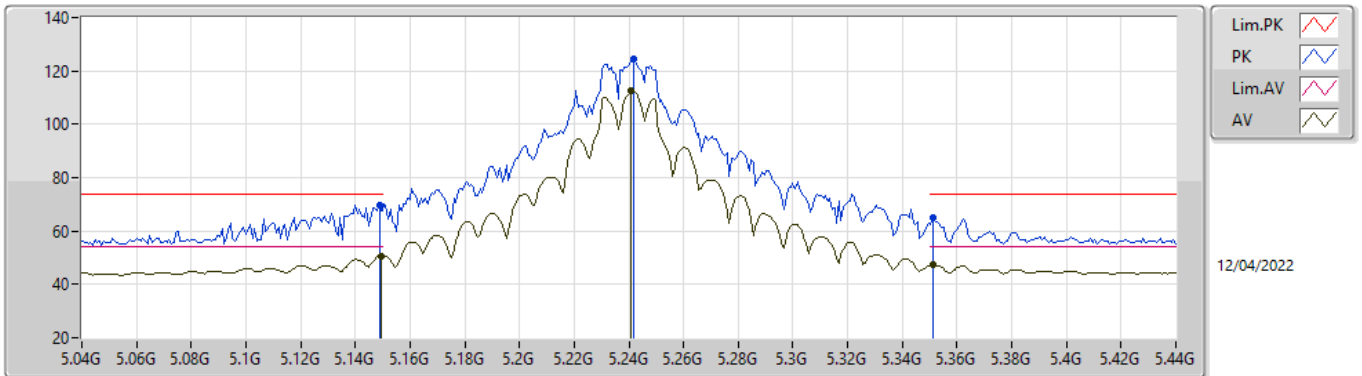


EUTY_4TX
Setting 26.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.39866G	54.19	68.20	-14.01	41.33	3	Horizontal	45	2.47	-	39.00	7.88	34.02
PK	15.59838G	56.82	74.00	-17.18	44.35	3	Horizontal	136	1.54	-	38.61	9.00	35.14
AV	15.60134G	42.84	54.00	-11.16	30.38	3	Horizontal	136	1.54	-	38.60	9.00	35.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

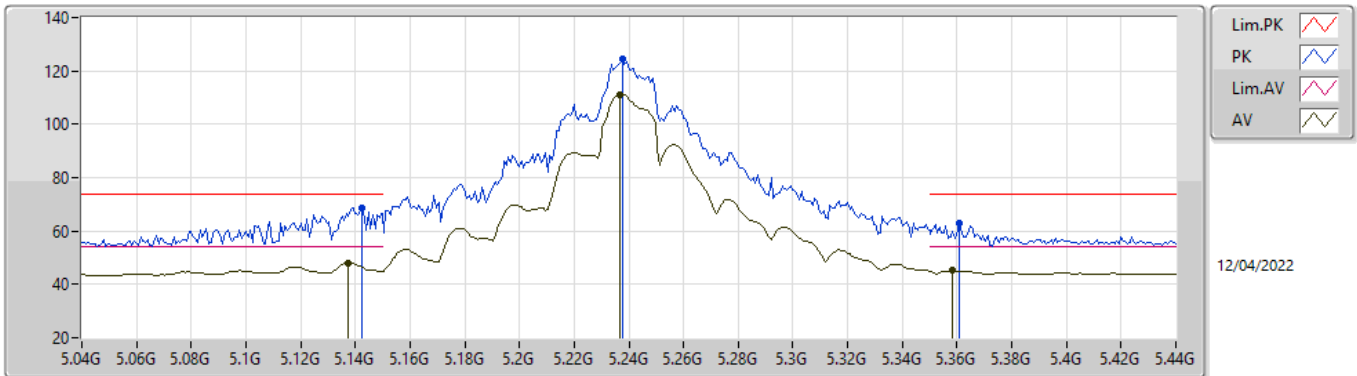


EUTY_4TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1488G	69.75	74.00	-4.25	64.97	3	Vertical	178	1.69	-	32.90	5.05	33.17
AV	5.1496G	50.73	54.00	-3.27	45.95	3	Vertical	178	1.69	-	32.90	5.05	33.17
PK	5.2416G	124.51	Inf	-Inf	119.58	3	Vertical	178	1.69	-	33.00	5.10	33.17
AV	5.2408G	112.75	Inf	-Inf	107.82	3	Vertical	178	1.69	-	33.00	5.10	33.17
PK	5.3512G	65.13	74.00	-8.87	60.09	3	Vertical	178	1.69	-	33.11	5.10	33.17
AV	5.3512G	47.31	54.00	-6.69	42.27	3	Vertical	178	1.69	-	33.11	5.10	33.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

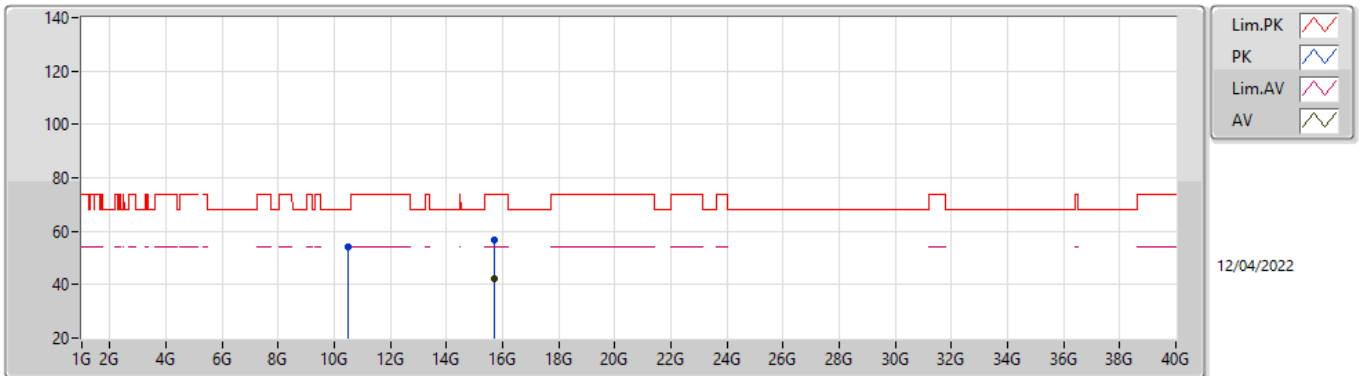


EUTY_4TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1424G	68.45	74.00	-5.55	63.65	3	Horizontal	77	2.83	-	32.93	5.04	33.17
AV	5.1376G	48.09	54.00	-5.91	43.27	3	Horizontal	77	2.83	-	32.95	5.04	33.17
PK	5.2376G	124.66	Inf	-Inf	119.73	3	Horizontal	77	2.83	-	33.00	5.10	33.17
AV	5.2368G	111.12	Inf	-Inf	106.19	3	Horizontal	77	2.83	-	33.00	5.10	33.17
PK	5.3608G	63.13	74.00	-10.87	58.04	3	Horizontal	77	2.83	-	33.16	5.10	33.17
AV	5.3584G	45.19	54.00	-8.81	40.11	3	Horizontal	77	2.83	-	33.15	5.10	33.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

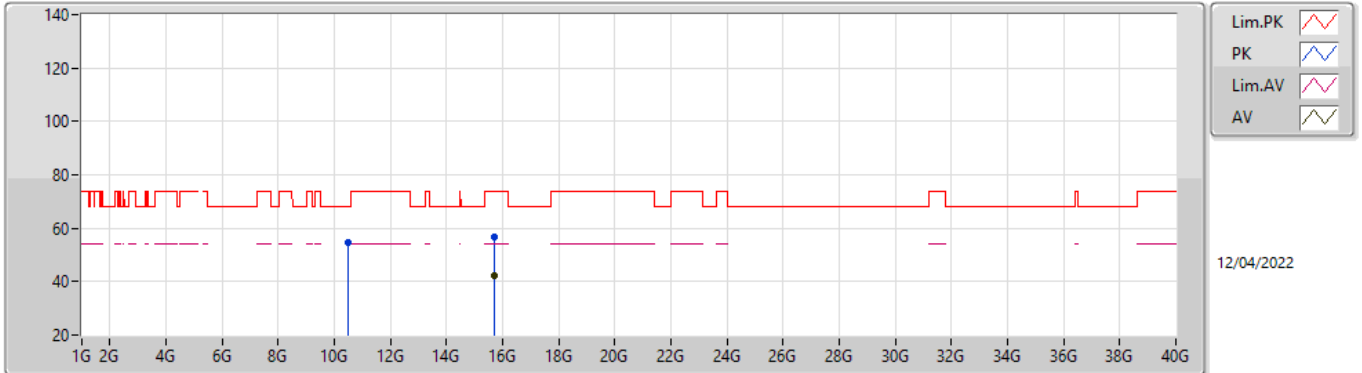


EUTY_4TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.475G	54.07	68.20	-14.13	41.09	3	Vertical	31	1.10	-	39.15	7.93	34.10
PK	15.72462G	56.94	74.00	-17.06	44.65	3	Vertical	157	1.03	-	38.40	9.03	35.14
AV	15.72272G	42.41	54.00	-11.59	30.13	3	Vertical	157	1.03	-	38.39	9.03	35.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

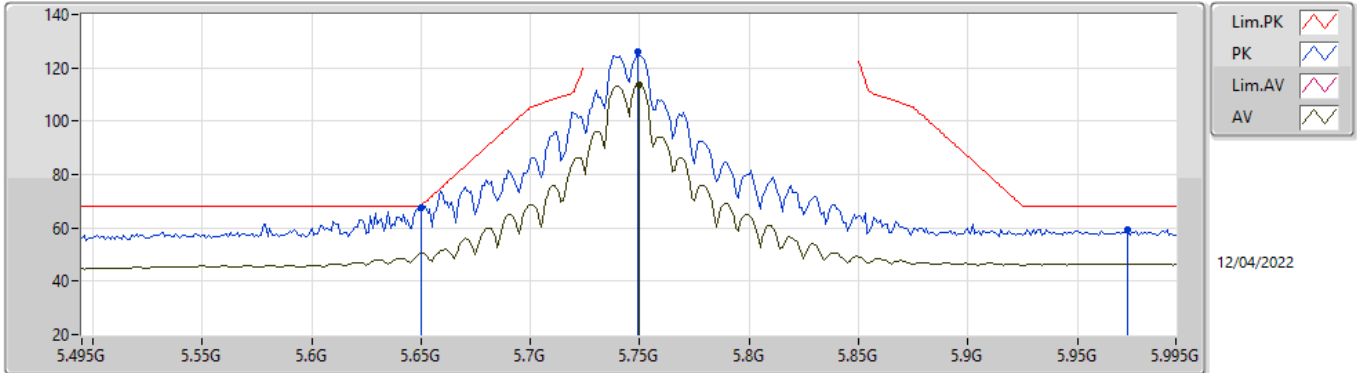


EUTY_4TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.47712G	54.86	68.20	-13.34	41.88	3	Horizontal	122	1.17	-	39.15	7.93	34.10
PK	15.72382G	56.91	74.00	-17.09	44.62	3	Horizontal	120	2.47	-	38.40	9.03	35.14
AV	15.71984G	42.43	54.00	-11.57	30.16	3	Horizontal	120	2.47	-	38.38	9.03	35.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

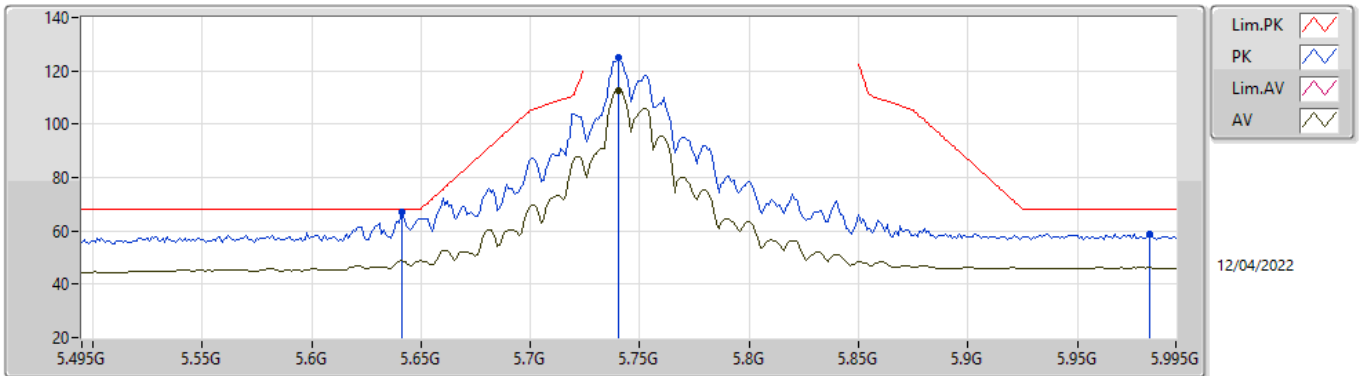


EUTY_4TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	67.56	68.20	-0.64	61.20	3	Vertical	155	1.80	-	34.30	5.30	33.24
PK	5.749G	125.94	Inf	-Inf	119.52	3	Vertical	155	1.80	-	34.40	5.30	33.28
AV	5.75G	113.61	Inf	-Inf	107.19	3	Vertical	155	1.80	-	34.40	5.30	33.28
PK	5.973G	59.51	68.20	-8.69	52.20	3	Vertical	155	1.80	-	35.29	5.39	33.37

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

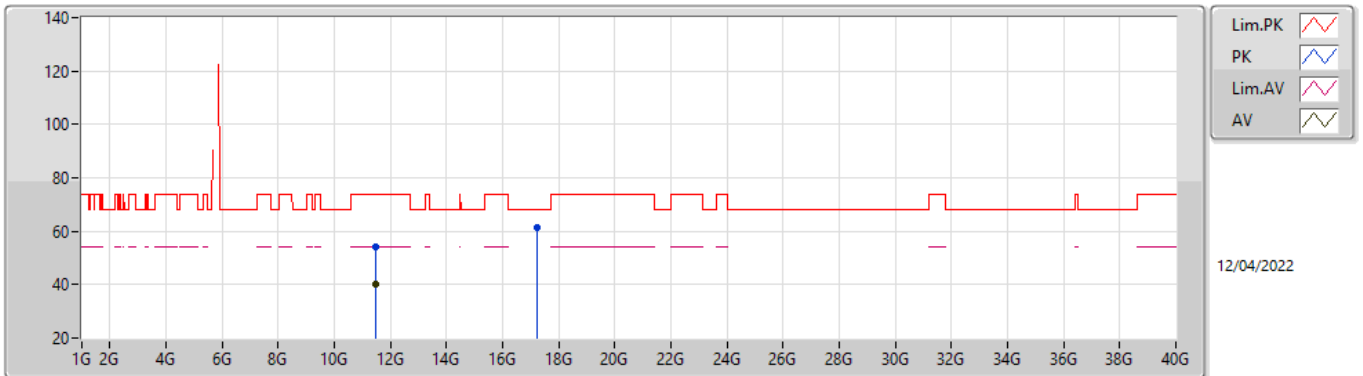


EUTY_4TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.641G	66.86	68.20	-1.34	60.55	3	Horizontal	56	2.39	-	34.25	5.30	33.24
PK	5.74G	124.85	Inf	-Inf	118.47	3	Horizontal	56	2.39	-	34.36	5.30	33.28
AV	5.74G	112.74	Inf	-Inf	106.36	3	Horizontal	56	2.39	-	34.36	5.30	33.28
PK	5.983G	58.74	68.20	-9.46	51.39	3	Horizontal	56	2.39	-	35.33	5.39	33.37

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

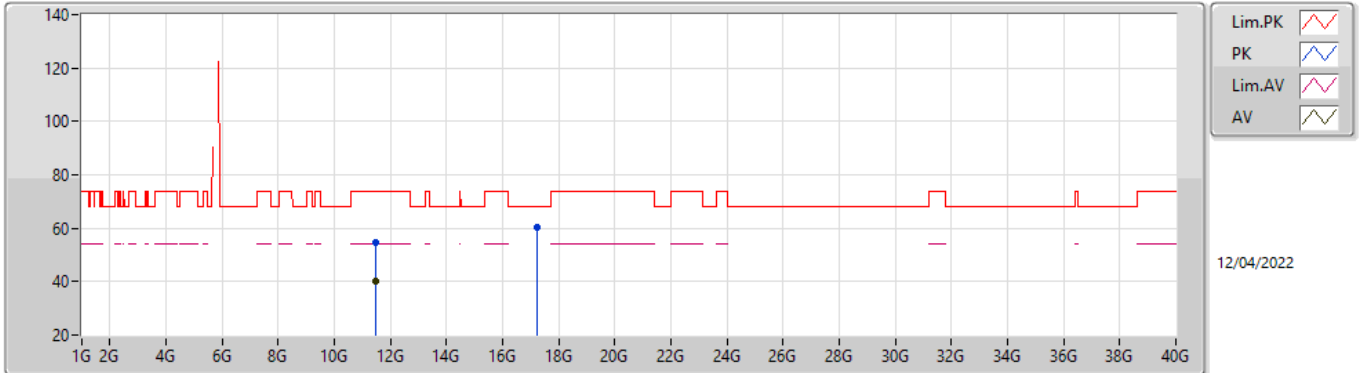


EUTY_4TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48754G	54.36	74.00	-19.64	41.16	3	Vertical	230	2.67	-	39.31	8.64	34.75
AV	11.48516G	40.36	54.00	-13.64	27.16	3	Vertical	230	2.67	-	39.31	8.64	34.75
PK	17.23608G	61.17	68.20	-7.03	44.94	3	Vertical	190	2.15	-	41.38	9.53	34.68

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

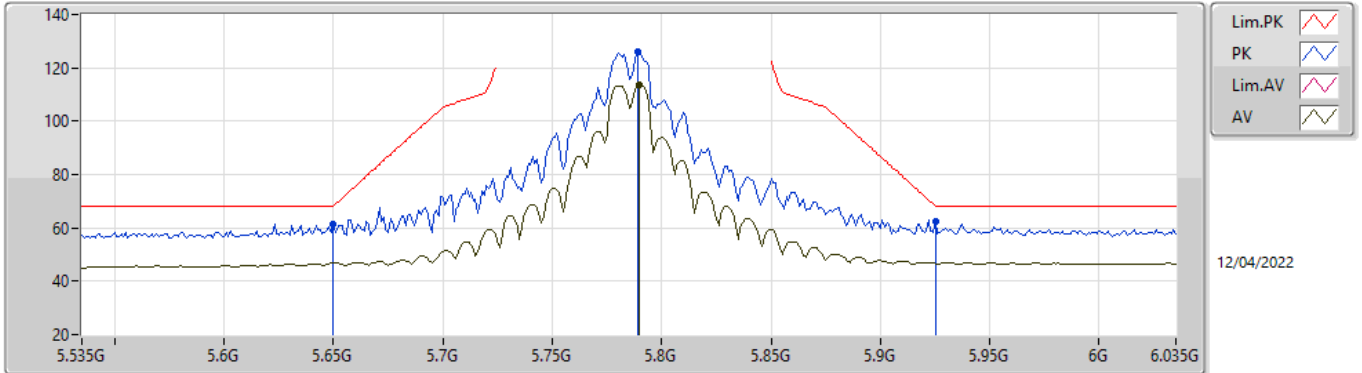


EUTY_4TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48752G	54.53	74.00	-19.47	41.33	3	Horizontal	316	2.59	-	39.31	8.64	34.75
AV	11.48518G	40.41	54.00	-13.59	27.21	3	Horizontal	316	2.59	-	39.31	8.64	34.75
PK	17.23254G	60.38	68.20	-7.82	44.17	3	Horizontal	106	2.16	-	41.36	9.53	34.68

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

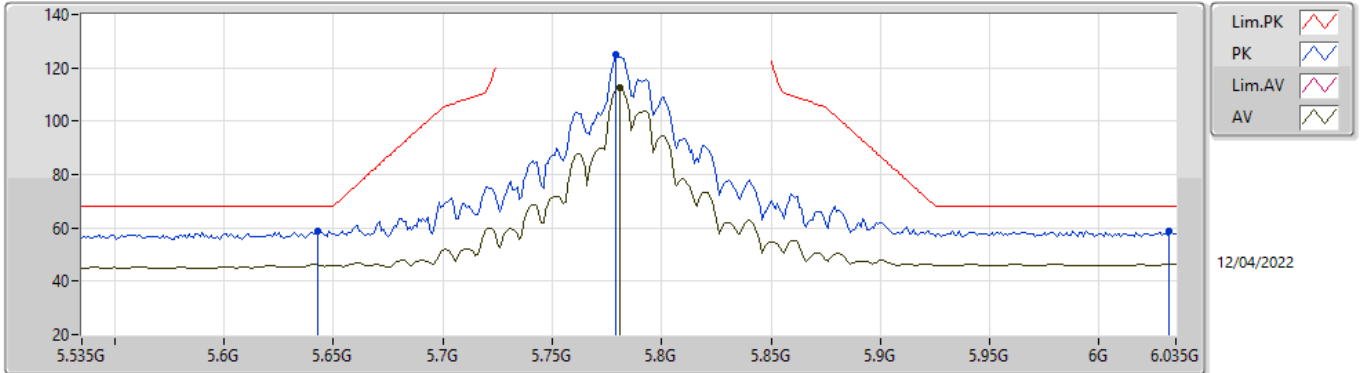


EUTY_4TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	61.44	68.20	-6.76	55.08	3	Vertical	157	2.00	-	34.30	5.30	33.24
PK	5.789G	125.81	Inf	-Inf	119.33	3	Vertical	157	2.00	-	34.48	5.30	33.30
AV	5.79G	113.59	Inf	-Inf	107.11	3	Vertical	157	2.00	-	34.48	5.30	33.30
PK	5.925G	62.19	68.20	-6.01	55.13	3	Vertical	157	2.00	-	35.05	5.36	33.35

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

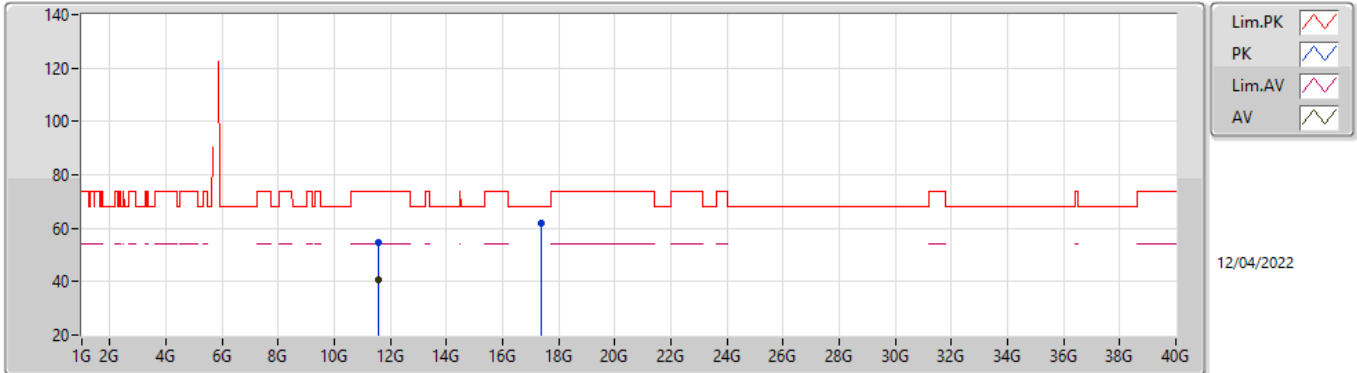


EUTY_4TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.643G	58.91	68.20	-9.29	52.59	3	Horizontal	54	2.77	-	34.26	5.30	33.24
PK	5.779G	124.88	Inf	-Inf	118.41	3	Horizontal	54	2.77	-	34.46	5.30	33.29
AV	5.781G	112.40	Inf	-Inf	105.93	3	Horizontal	54	2.77	-	34.46	5.30	33.29
PK	6.032G	58.76	68.20	-9.44	51.29	3	Horizontal	54	2.77	-	35.40	5.43	33.36

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

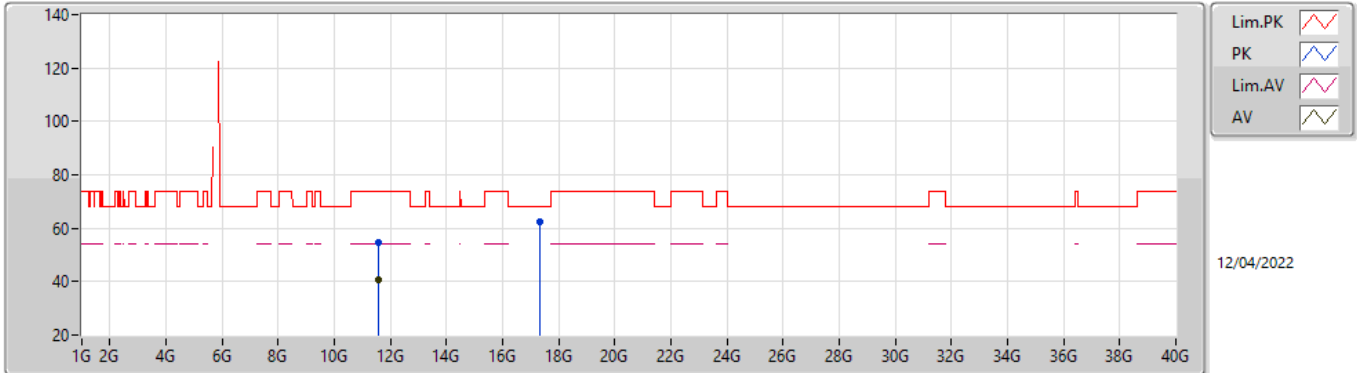


EUTY_4TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57214G	54.49	74.00	-19.51	41.28	3	Vertical	70	1.41	-	39.30	8.70	34.79
AV	11.56804G	40.51	54.00	-13.49	27.30	3	Vertical	70	1.41	-	39.30	8.70	34.79
PK	17.35836G	61.76	68.20	-6.44	44.88	3	Vertical	286	2.40	-	41.88	9.58	34.58

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

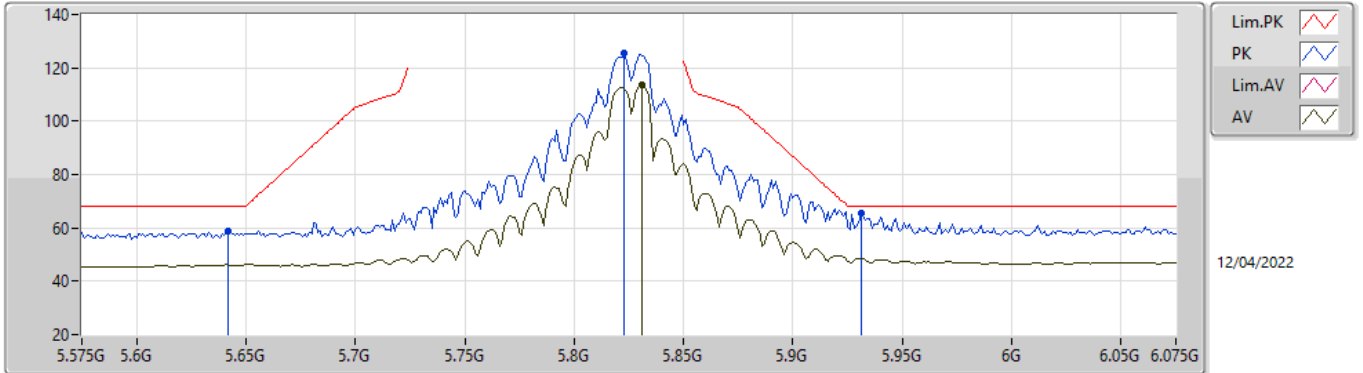


EUTY_4TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57448G	54.66	74.00	-19.34	41.45	3	Horizontal	334	1.47	-	39.30	8.70	34.79
AV	11.56786G	40.50	54.00	-13.50	27.29	3	Horizontal	334	1.47	-	39.30	8.70	34.79
PK	17.3523G	62.42	68.20	-5.78	45.58	3	Horizontal	68	2.10	-	41.86	9.57	34.59

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

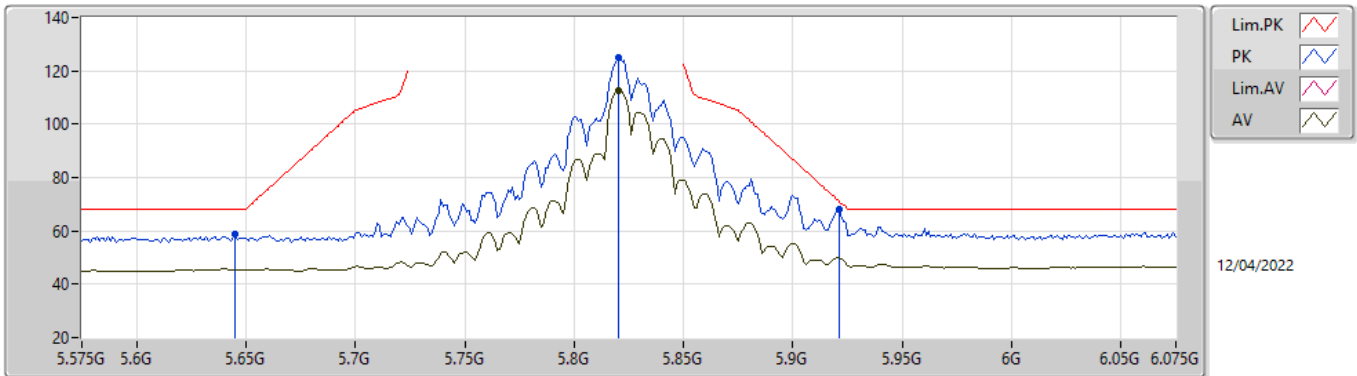


EUTY_4TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.642G	58.80	68.20	-9.40	52.49	3	Vertical	160	1.96	-	34.25	5.30	33.24
PK	5.823G	125.36	Inf	-Inf	118.72	3	Vertical	160	1.96	-	34.64	5.31	33.31
AV	5.831G	113.42	Inf	-Inf	106.72	3	Vertical	160	1.96	-	34.69	5.32	33.31
PK	5.931G	65.50	68.20	-2.70	58.39	3	Vertical	160	1.96	-	35.09	5.37	33.35

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

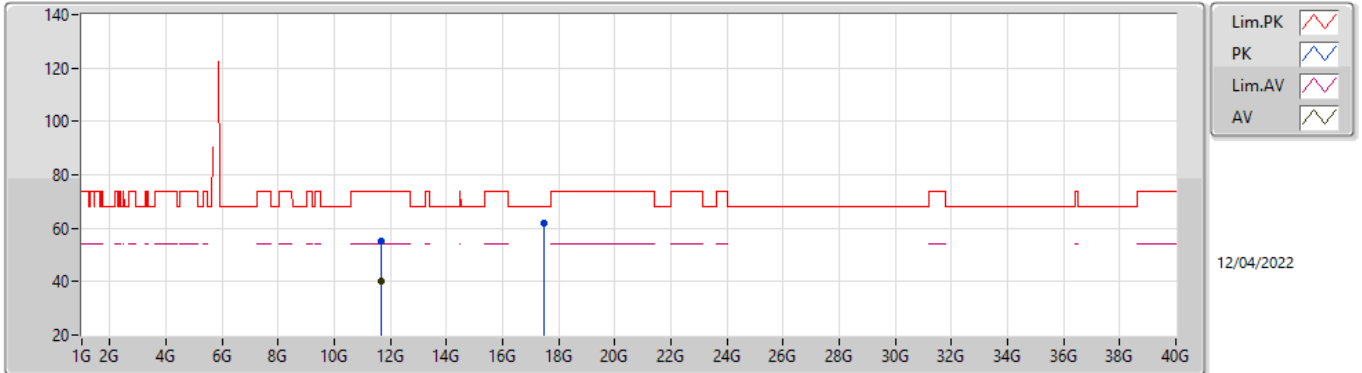


EUTY_4TX
Setting 29
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.645G	59.03	68.20	-9.17	52.70	3	Horizontal	51	2.72	-	34.27	5.30	33.24
PK	5.82G	124.89	Inf	-Inf	118.27	3	Horizontal	51	2.72	-	34.62	5.31	33.31
AV	5.82G	112.67	Inf	-Inf	106.05	3	Horizontal	51	2.72	-	34.62	5.31	33.31
PK	5.921G	68.26	71.16	-2.90	61.22	3	Horizontal	51	2.72	-	35.03	5.36	33.35

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom



EUTY_4TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6496G	54.95	74.00	-19.05	41.77	3	Vertical	326	1.19	-	39.25	8.75	34.82
AV	11.6512G	40.10	54.00	-13.90	26.91	3	Vertical	326	1.19	-	39.25	8.76	34.82
PK	17.47118G	61.74	68.20	-6.46	44.56	3	Vertical	207	1.13	-	42.07	9.61	34.50

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

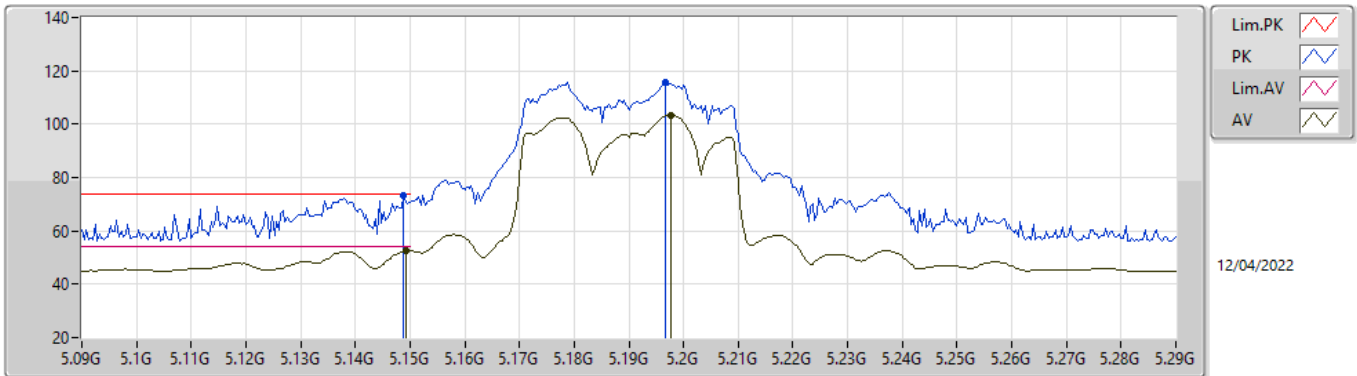


EUTY_4TX
Setting 29
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.65054G	53.82	74.00	-20.18	40.63	3	Horizontal	107	1.21	-	39.25	8.76	34.82
AV	11.65402G	40.12	54.00	-13.88	26.93	3	Horizontal	107	1.21	-	39.25	8.76	34.82
PK	17.4716G	62.32	68.20	-5.88	45.13	3	Horizontal	48	1.77	-	42.07	9.62	34.50

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

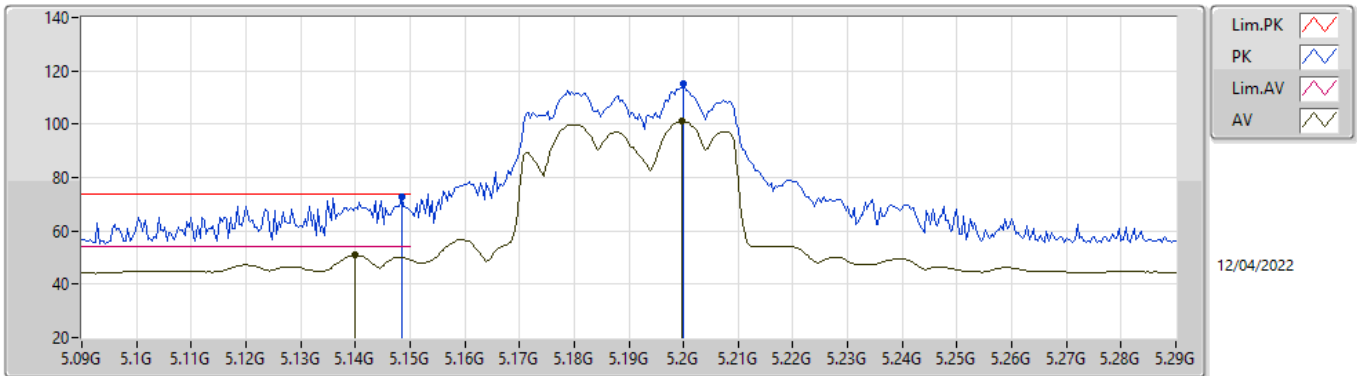


EUTY_4TX
Setting 20.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1488G	73.25	74.00	-0.75	68.47	3	Vertical	24	2.96	-	32.90	5.05	33.17
AV	5.1492G	52.42	54.00	-1.58	47.64	3	Vertical	24	2.96	-	32.90	5.05	33.17
PK	5.1968G	115.86	Inf	-Inf	110.94	3	Vertical	24	2.96	-	32.99	5.10	33.17
AV	5.1976G	103.22	Inf	-Inf	98.29	3	Vertical	24	2.96	-	33.00	5.10	33.17

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

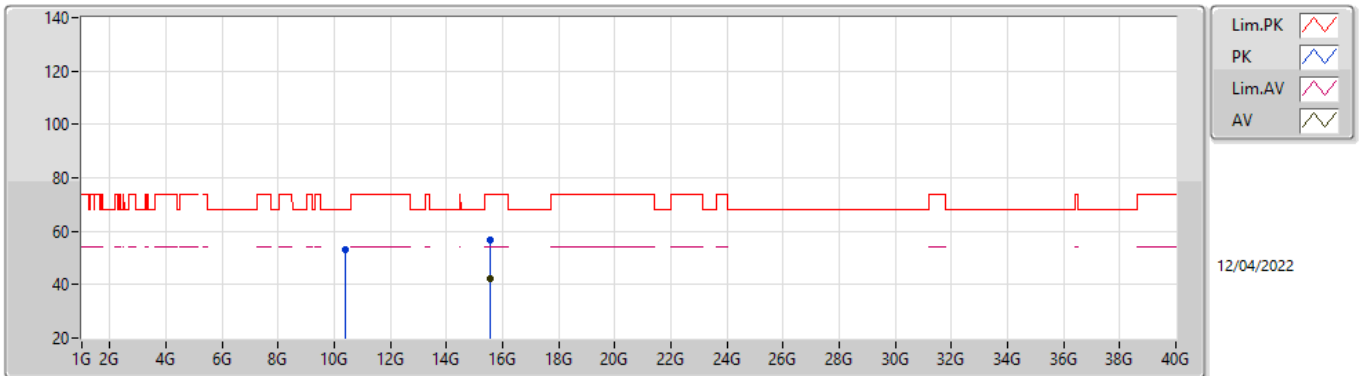


EUTY_4TX
Setting 20.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1484G	72.89	74.00	-1.11	68.10	3	Horizontal	21	2.36	-	32.91	5.05	33.17
AV	5.14G	50.87	54.00	-3.13	46.06	3	Horizontal	21	2.36	-	32.94	5.04	33.17
PK	5.2G	115.03	Inf	-Inf	110.10	3	Horizontal	21	2.36	-	33.00	5.10	33.17
AV	5.1996G	101.07	Inf	-Inf	96.14	3	Horizontal	21	2.36	-	33.00	5.10	33.17

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

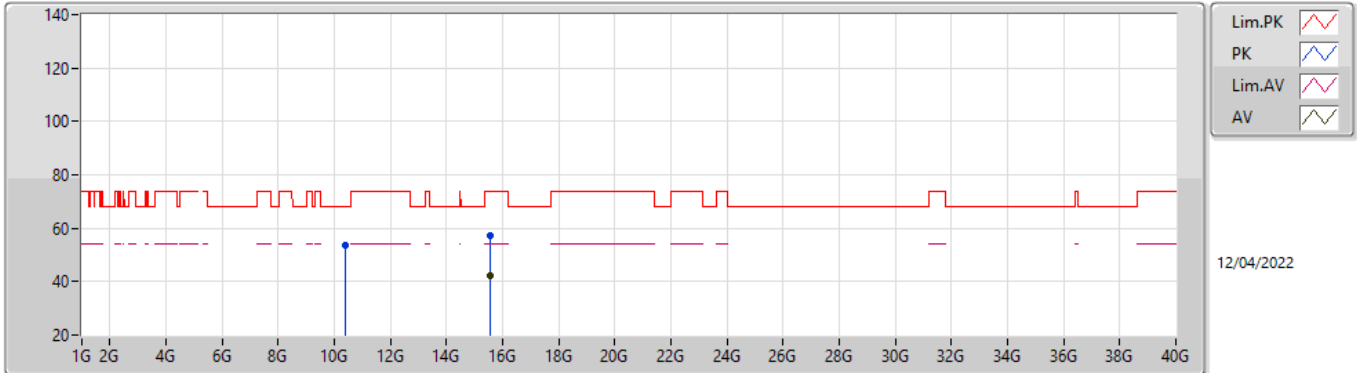


EUTY_4TX
Setting 20.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.38314G	53.31	68.20	-14.89	40.47	3	Vertical	270	2.30	-	38.98	7.87	34.01
PK	15.57318G	56.57	74.00	-17.43	44.00	3	Vertical	124	2.60	-	38.71	8.99	35.13
AV	15.5652G	42.46	54.00	-11.54	29.86	3	Vertical	124	2.60	-	38.74	8.99	35.13

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

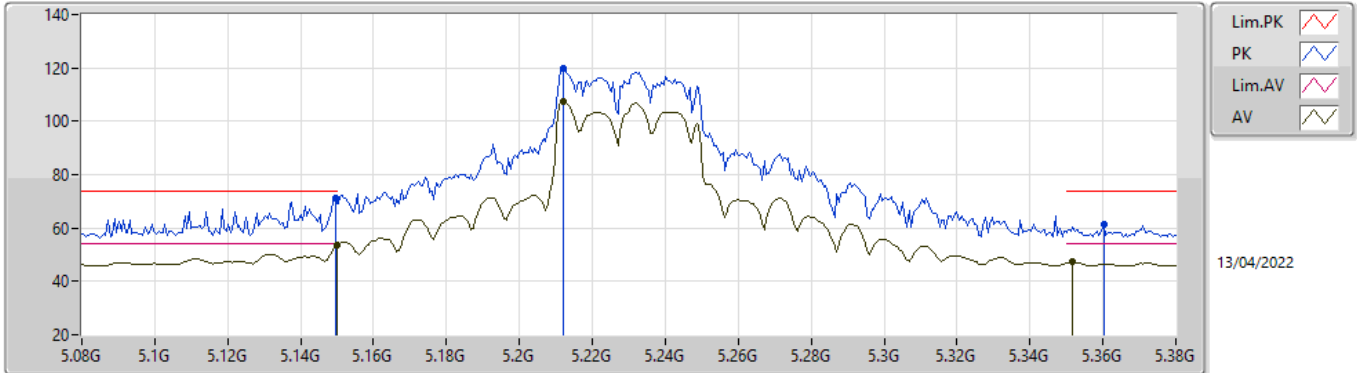


EUTY_4TX
Setting 20.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.37642G	53.59	68.20	-14.61	40.75	3	Horizontal	0	2.20	-	38.98	7.86	34.00
PK	15.5719G	57.47	74.00	-16.53	44.90	3	Horizontal	345	1.15	-	38.71	8.99	35.13
AV	15.56732G	42.44	54.00	-11.56	29.85	3	Horizontal	345	1.15	-	38.73	8.99	35.13

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

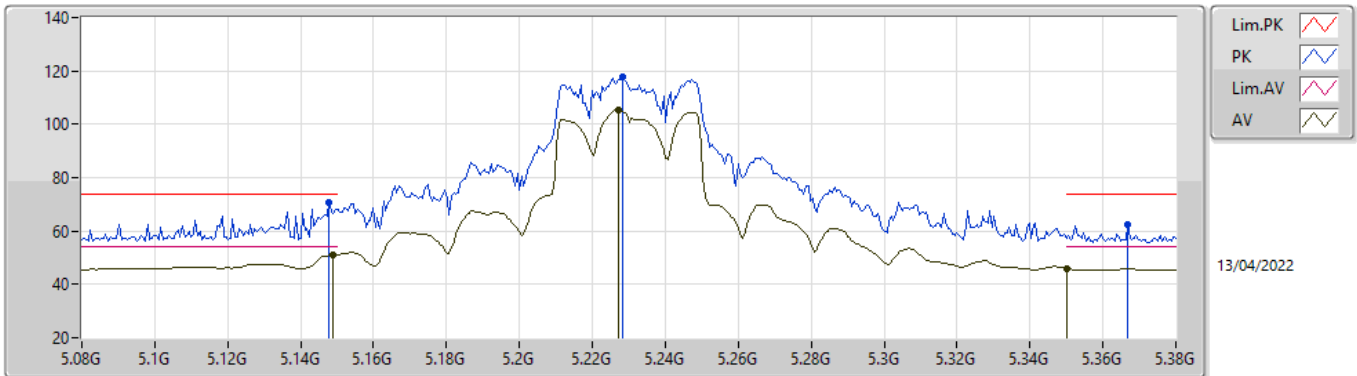


EUTY_4TX
Setting 24
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	71.17	74.00	-2.83	66.39	3	Vertical	184	1.67	-	32.90	5.05	33.17
AV	5.15G	53.84	54.00	-0.16	49.06	3	Vertical	184	1.67	-	32.90	5.05	33.17
PK	5.212G	120.04	Inf	-Inf	115.11	3	Vertical	184	1.67	-	33.00	5.10	33.17
AV	5.212G	107.27	Inf	-Inf	102.34	3	Vertical	184	1.67	-	33.00	5.10	33.17
PK	5.3602G	61.39	74.00	-12.61	56.30	3	Vertical	184	1.67	-	33.16	5.10	33.17
AV	5.3518G	47.33	54.00	-6.67	42.29	3	Vertical	184	1.67	-	33.11	5.10	33.17

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

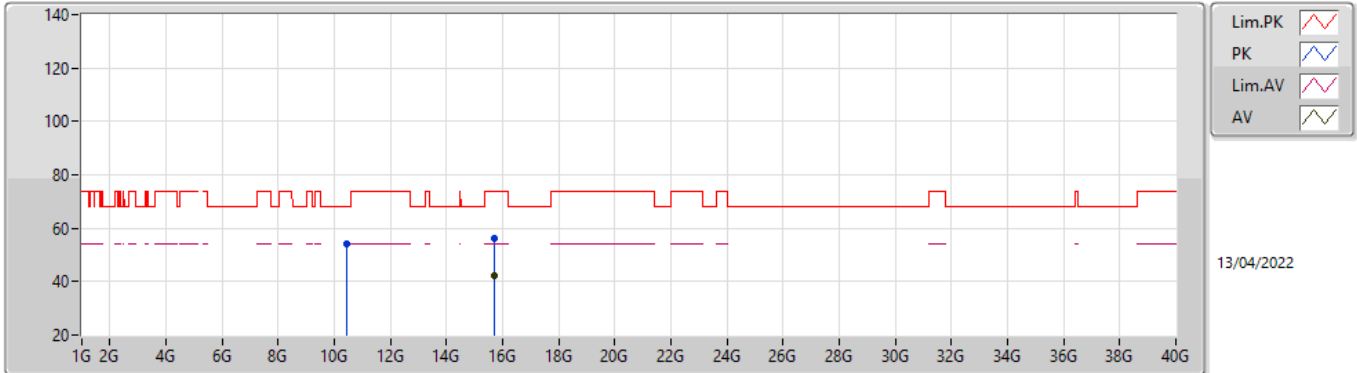


EUTY_4TX
Setting 24
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1478G	70.85	74.00	-3.15	66.06	3	Horizontal	74	2.90	-	32.91	5.05	33.17
AV	5.149G	51.15	54.00	-2.85	46.37	3	Horizontal	74	2.90	-	32.90	5.05	33.17
PK	5.2282G	117.71	Inf	-Inf	112.78	3	Horizontal	74	2.90	-	33.00	5.10	33.17
AV	5.227G	105.15	Inf	-Inf	100.22	3	Horizontal	74	2.90	-	33.00	5.10	33.17
PK	5.3668G	62.36	74.00	-11.64	57.23	3	Horizontal	74	2.90	-	33.20	5.10	33.17
AV	5.35G	46.03	54.00	-7.97	41.00	3	Horizontal	74	2.90	-	33.10	5.10	33.17

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

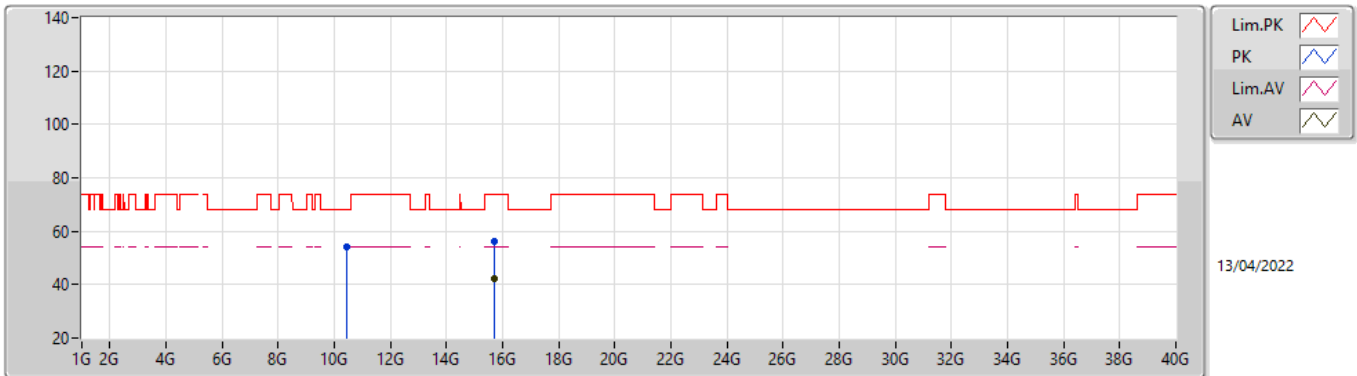


EUTY_4TX
Setting 24
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.45826G	54.38	68.20	-13.82	41.42	3	Vertical	282	1.36	-	39.12	7.92	34.08
PK	15.68804G	56.30	74.00	-17.70	44.08	3	Vertical	22	1.10	-	38.34	9.02	35.14
AV	15.6872G	42.30	54.00	-11.70	30.08	3	Vertical	22	1.10	-	38.34	9.02	35.14

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

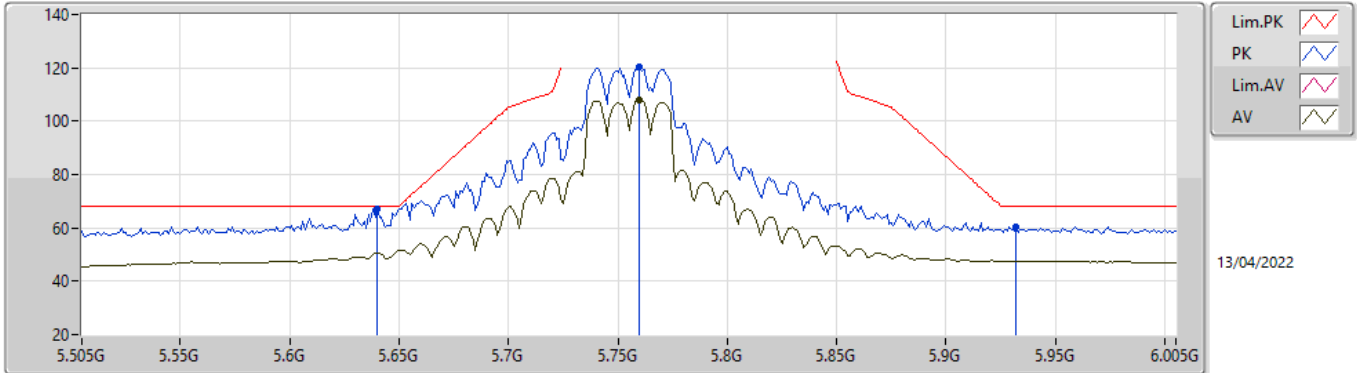


EUTY_4TX
Setting 24
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.46248G	53.98	68.20	-14.22	41.02	3	Horizontal	209	3.00	-	39.12	7.92	34.08
PK	15.68716G	56.08	74.00	-17.92	43.86	3	Horizontal	137	2.10	-	38.34	9.02	35.14
AV	15.68694G	42.40	54.00	-11.60	30.18	3	Horizontal	137	2.10	-	38.34	9.02	35.14

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

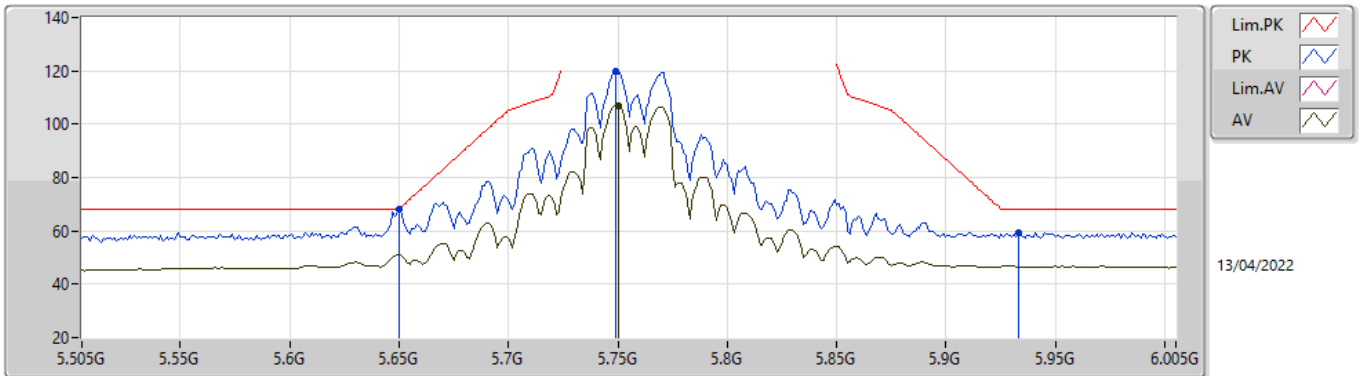


EUTY_4TX
Setting 25.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64G	67.22	68.20	-0.98	60.92	3	Vertical	155	2.10	-	34.24	5.30	33.24
PK	5.76G	120.17	Inf	-Inf	113.73	3	Vertical	155	2.10	-	34.42	5.30	33.28
AV	5.76G	108.06	Inf	-Inf	101.62	3	Vertical	155	2.10	-	34.42	5.30	33.28
PK	5.932G	60.49	68.20	-7.71	53.38	3	Vertical	155	2.10	-	35.09	5.37	33.35

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

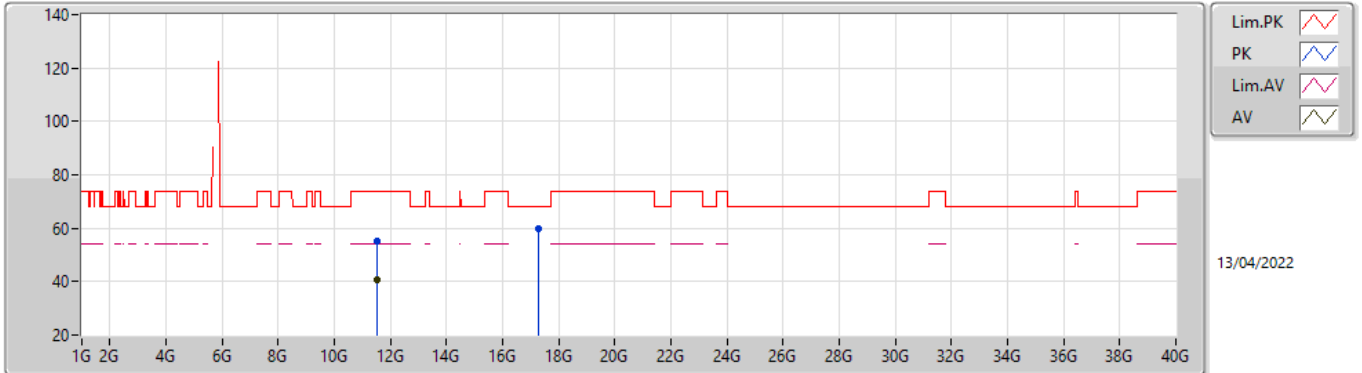


EUTY_4TX
Setting 25.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	68.12	68.20	-0.08	61.76	3	Horizontal	41	2.39	-	34.30	5.30	33.24
PK	5.749G	119.68	Inf	-Inf	113.26	3	Horizontal	41	2.39	-	34.40	5.30	33.28
AV	5.75G	106.97	Inf	-Inf	100.55	3	Horizontal	41	2.39	-	34.40	5.30	33.28
PK	5.933G	59.39	68.20	-8.81	52.27	3	Horizontal	41	2.39	-	35.10	5.37	33.35

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

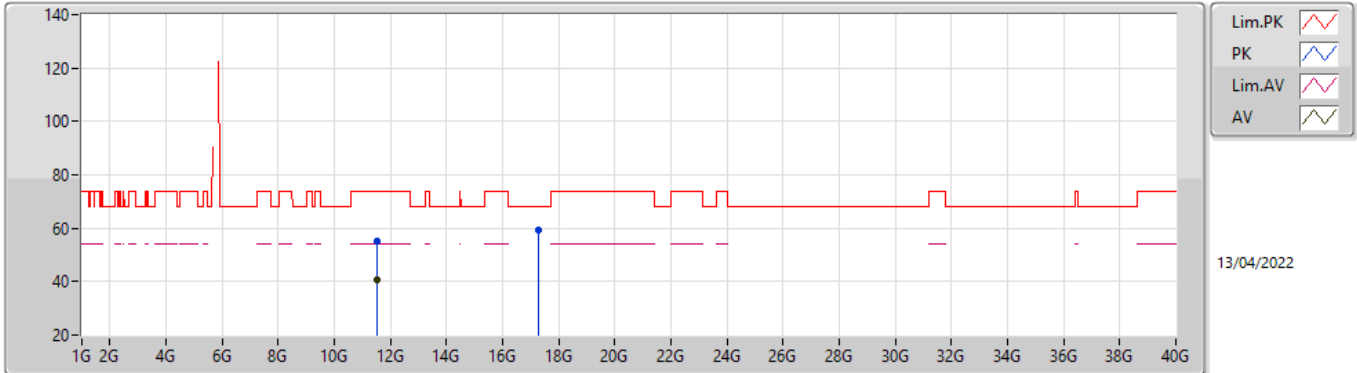


EUTY_4TX
Setting 25.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.50914G	55.30	74.00	-18.70	42.10	3	Vertical	178	1.62	-	39.30	8.66	34.76
AV	11.50798G	40.64	54.00	-13.36	27.44	3	Vertical	178	1.62	-	39.30	8.66	34.76
PK	17.26326G	59.60	68.20	-8.60	43.20	3	Vertical	38	1.13	-	41.52	9.54	34.66

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

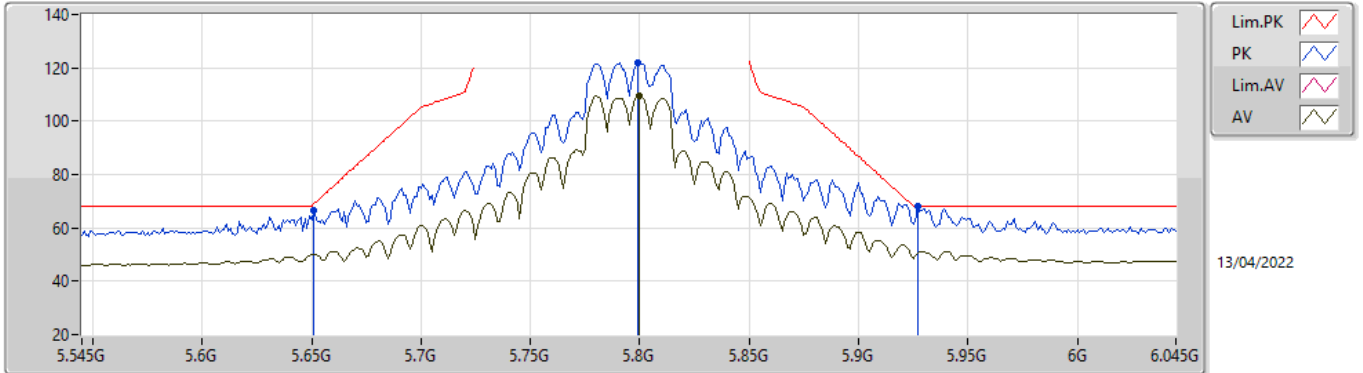


EUTY_4TX
Setting 25.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5078G	55.13	74.00	-18.87	41.93	3	Horizontal	345	1.44	-	39.30	8.66	34.76
AV	11.50578G	40.63	54.00	-13.37	27.44	3	Horizontal	345	1.44	-	39.30	8.65	34.76
PK	17.2614G	59.38	68.20	-8.82	42.99	3	Horizontal	179	2.81	-	41.51	9.54	34.66

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

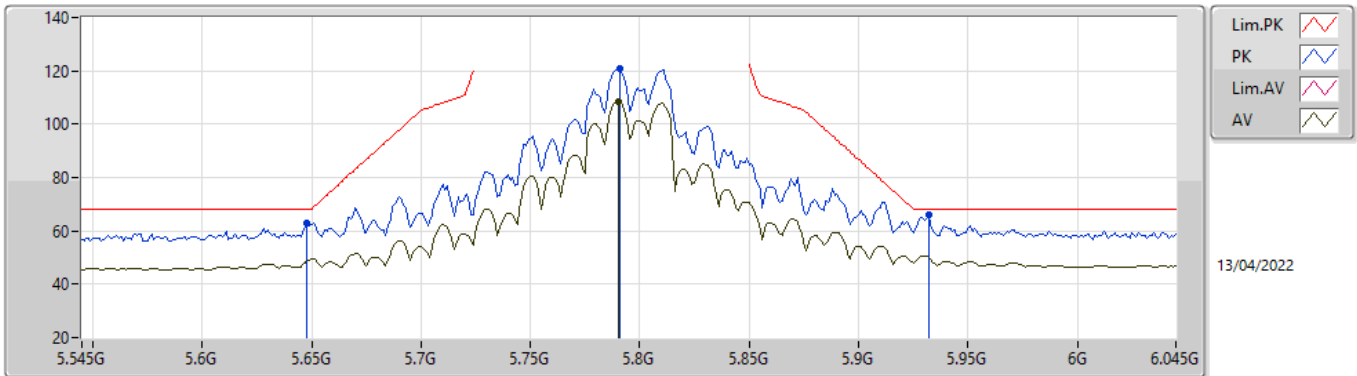


EUTY_4TX
Setting 27.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.651G	66.34	68.94	-2.60	59.98	3	Vertical	156	2.03	-	34.30	5.30	33.24
PK	5.799G	122.02	Inf	-Inf	115.52	3	Vertical	156	2.03	-	34.50	5.30	33.30
AV	5.8G	109.57	Inf	-Inf	103.07	3	Vertical	156	2.03	-	34.50	5.30	33.30
PK	5.927G	68.06	68.20	-0.14	60.99	3	Vertical	156	2.03	-	35.06	5.36	33.35

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom



EUTY_4TX
Setting 27.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.648G	63.11	68.20	-5.09	56.76	3	Horizontal	49	2.41	-	34.29	5.30	33.24
PK	5.791G	120.89	Inf	-Inf	114.41	3	Horizontal	49	2.41	-	34.48	5.30	33.30
AV	5.79G	108.54	Inf	-Inf	102.06	3	Horizontal	49	2.41	-	34.48	5.30	33.30
PK	5.932G	66.01	68.20	-2.19	58.90	3	Horizontal	49	2.41	-	35.09	5.37	33.35

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

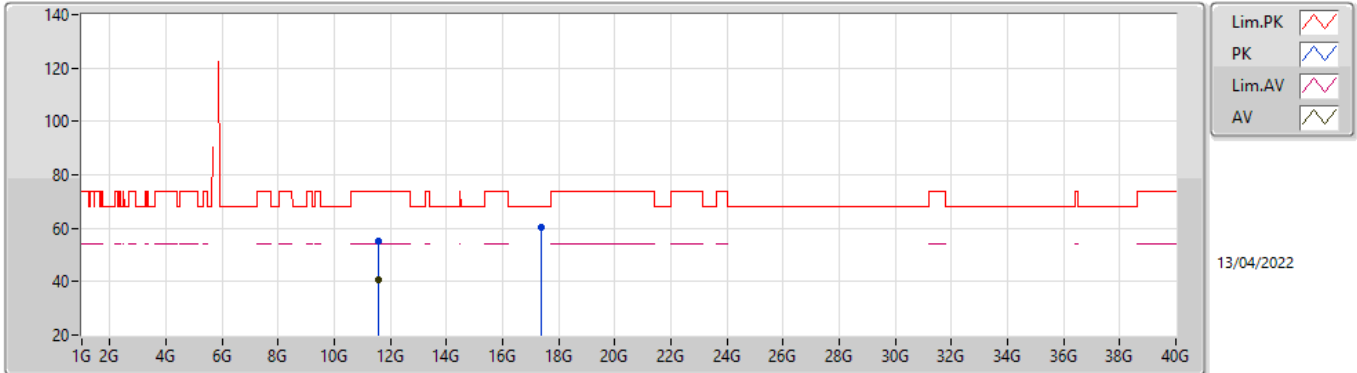


EUTY_4TX
Setting 27.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.59038G	54.93	74.00	-19.07	41.71	3	Vertical	312	2.30	-	39.30	8.71	34.79
AV	11.58932G	40.71	54.00	-13.29	27.49	3	Vertical	312	2.30	-	39.30	8.71	34.79
PK	17.38968G	61.01	68.20	-7.19	44.01	3	Vertical	189	1.62	-	41.97	9.59	34.56

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

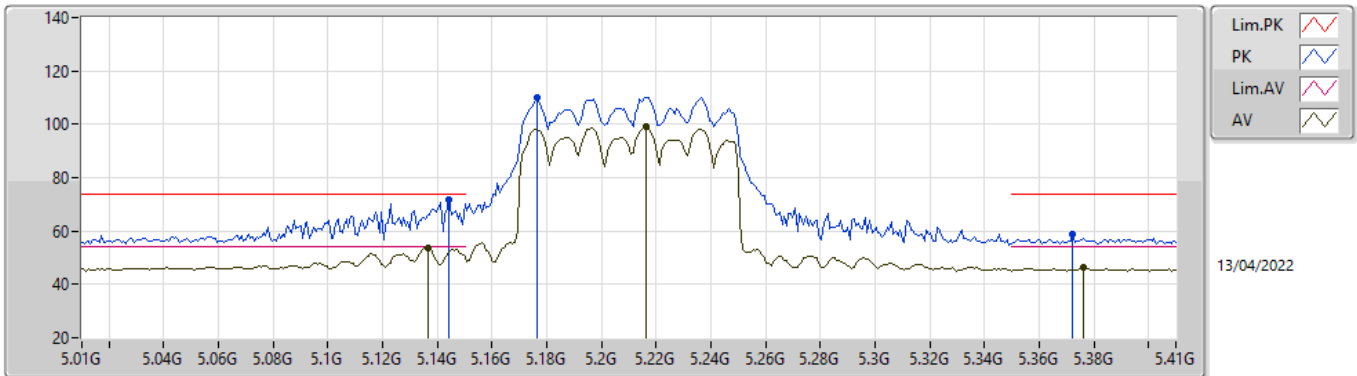


EUTY_4TX
Setting 27.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.59026G	55.18	74.00	-18.82	41.96	3	Horizontal	326	2.79	-	39.30	8.71	34.79
AV	11.58644G	40.67	54.00	-13.33	27.45	3	Horizontal	326	2.79	-	39.30	8.71	34.79
PK	17.38458G	60.37	68.20	-7.83	43.41	3	Horizontal	61	1.20	-	41.95	9.58	34.57

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

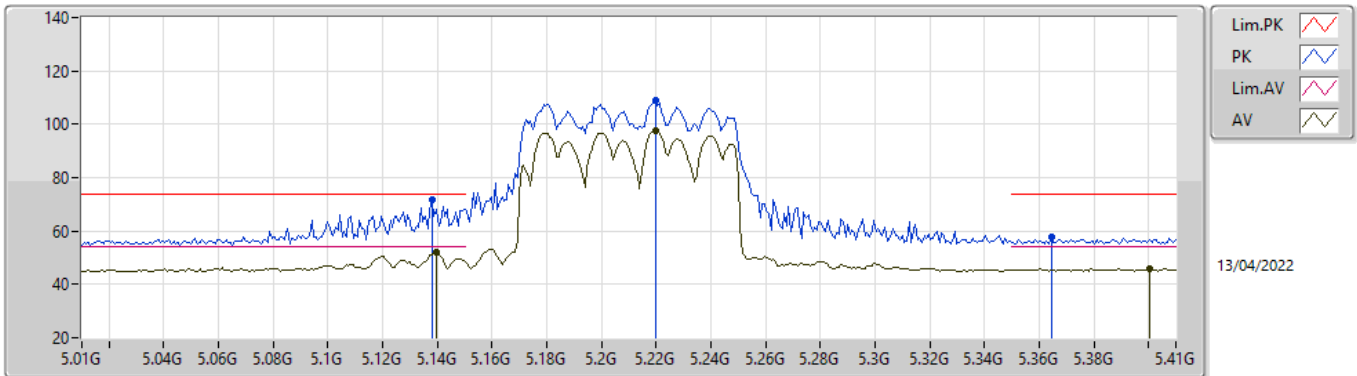


EUTY_4TX
Setting 18.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1444G	71.49	74.00	-2.51	66.70	3	Vertical	24	2.12	-	32.92	5.04	33.17
AV	5.1364G	53.62	54.00	-0.38	48.80	3	Vertical	24	2.12	-	32.95	5.04	33.17
PK	5.1764G	110.24	Inf	-Inf	105.38	3	Vertical	24	2.12	-	32.95	5.08	33.17
AV	5.2164G	99.34	Inf	-Inf	94.41	3	Vertical	24	2.12	-	33.00	5.10	33.17
PK	5.3724G	58.76	74.00	-15.24	53.60	3	Vertical	24	2.12	-	33.23	5.10	33.17
AV	5.3764G	46.18	54.00	-7.82	41.00	3	Vertical	24	2.12	-	33.26	5.10	33.18

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

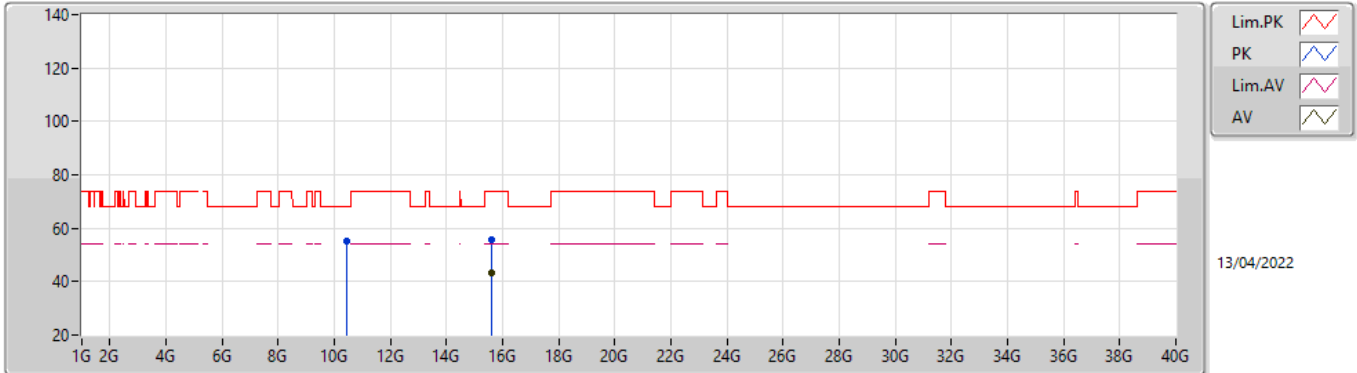


EUTY_4TX
Setting 18.5
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.138G	71.53	74.00	-2.47	66.71	3	Horizontal	18	2.32	-	32.95	5.04	33.17
AV	5.1396G	52.11	54.00	-1.89	47.30	3	Horizontal	18	2.32	-	32.94	5.04	33.17
PK	5.2196G	109.21	Inf	-Inf	104.28	3	Horizontal	18	2.32	-	33.00	5.10	33.17
AV	5.2196G	97.44	Inf	-Inf	92.51	3	Horizontal	18	2.32	-	33.00	5.10	33.17
PK	5.3644G	57.73	74.00	-16.27	52.61	3	Horizontal	18	2.32	-	33.19	5.10	33.17
AV	5.4004G	45.70	54.00	-8.30	40.38	3	Horizontal	18	2.32	-	33.40	5.10	33.18

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

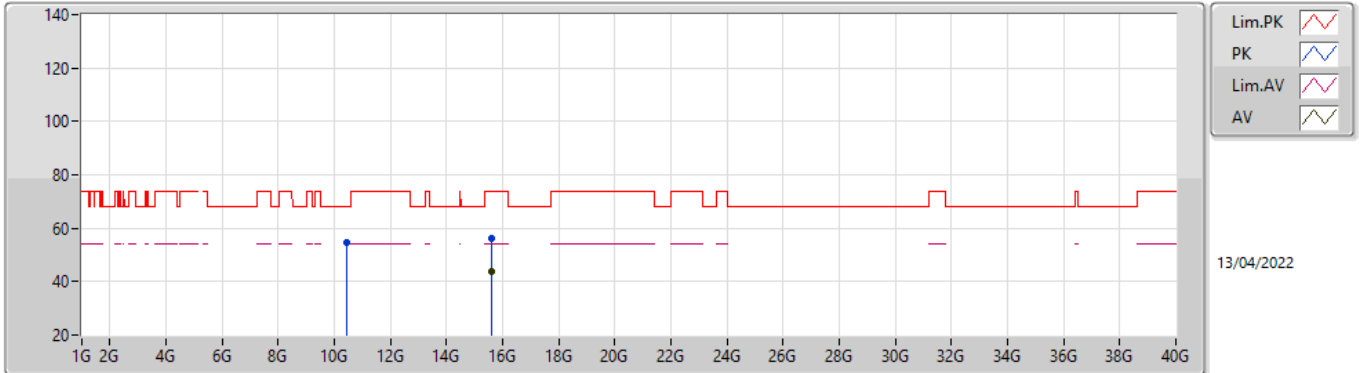


EUTY_4TX
Setting 18.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4204G	55.21	68.20	-12.99	42.32	3	Vertical	196	2.96	-	39.04	7.89	34.04
PK	15.62524G	55.53	74.00	-18.47	43.14	3	Vertical	180	1.83	-	38.52	9.01	35.14
AV	15.62506G	43.47	54.00	-10.53	31.08	3	Vertical	180	1.83	-	38.52	9.01	35.14

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

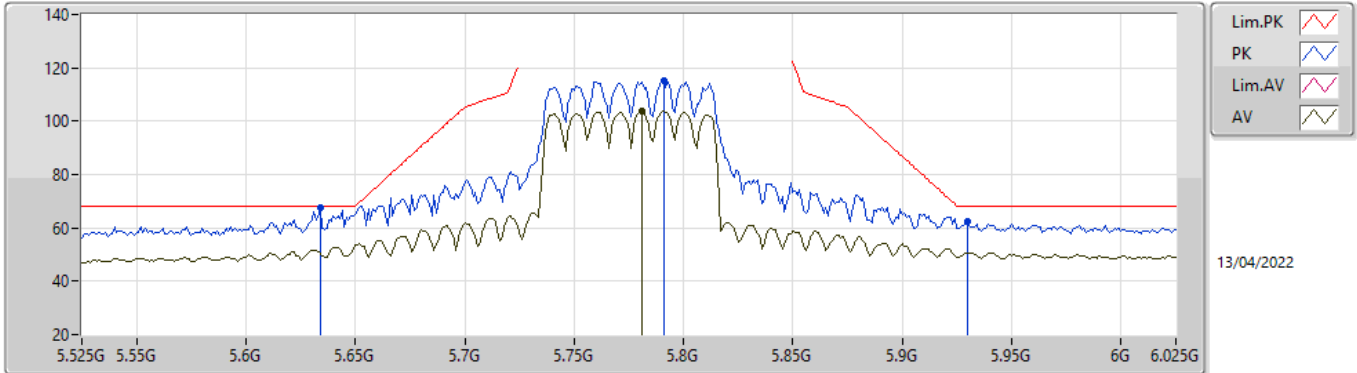


EUTY_4TX
Setting 18.5
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.41822G	54.63	68.20	-13.57	41.74	3	Horizontal	190	2.15	-	39.04	7.89	34.04
PK	15.62744G	56.36	74.00	-17.64	43.97	3	Horizontal	287	2.06	-	38.52	9.01	35.14
AV	15.62514G	43.62	54.00	-10.38	31.23	3	Horizontal	287	2.06	-	38.52	9.01	35.14

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

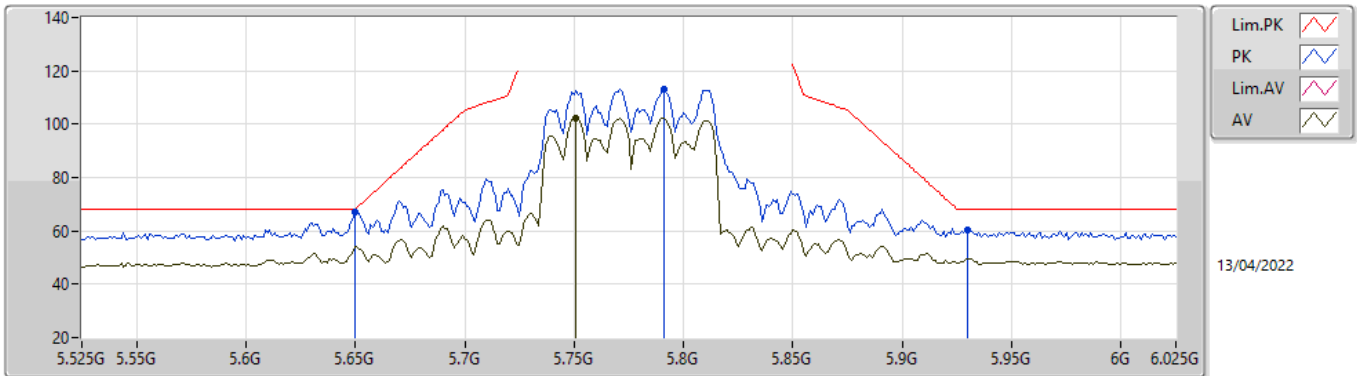


EUTY_4TX
Setting 21
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.634G	67.83	68.20	-0.37	61.56	3	Vertical	158	2.00	-	34.20	5.30	33.23
PK	5.791G	114.94	Inf	-Inf	108.46	3	Vertical	158	2.00	-	34.48	5.30	33.30
AV	5.781G	103.62	Inf	-Inf	97.15	3	Vertical	158	2.00	-	34.46	5.30	33.29
PK	5.93G	62.67	68.20	-5.53	55.57	3	Vertical	158	2.00	-	35.08	5.37	33.35

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

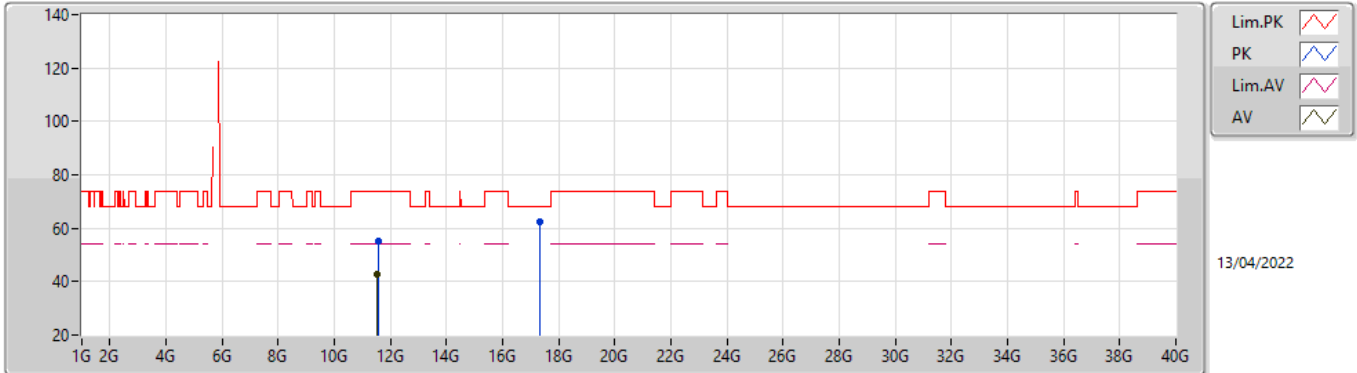


EUTY_4TX
Setting 21
04-D-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	67.10	68.20	-1.10	60.74	3	Horizontal	52	2.76	-	34.30	5.30	33.24
PK	5.791G	113.31	Inf	-Inf	106.83	3	Horizontal	52	2.76	-	34.48	5.30	33.30
AV	5.751G	102.45	Inf	-Inf	96.03	3	Horizontal	52	2.76	-	34.40	5.30	33.28
PK	5.93G	60.30	68.20	-7.90	53.20	3	Horizontal	52	2.76	-	35.08	5.37	33.35

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

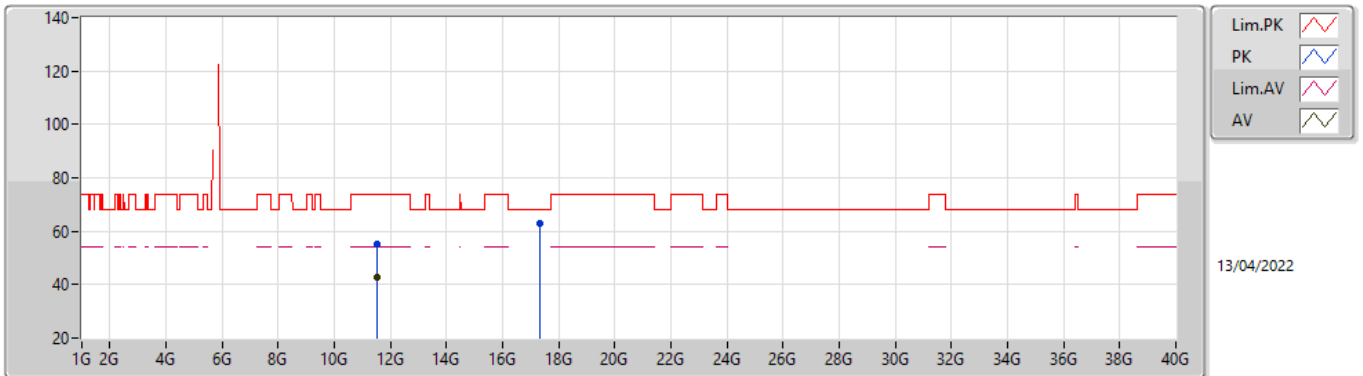


EUTY_4TX
Setting 21
04-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.54988G	55.16	74.00	-18.84	41.96	3	Vertical	222	2.62	-	39.30	8.68	34.78
AV	11.54814G	42.92	54.00	-11.08	29.72	3	Vertical	222	2.62	-	39.30	8.68	34.78
PK	17.3299G	62.37	68.20	-5.83	45.62	3	Vertical	293	2.94	-	41.79	9.57	34.61

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom



EUTY_4TX
Setting 21
04-D-S-8

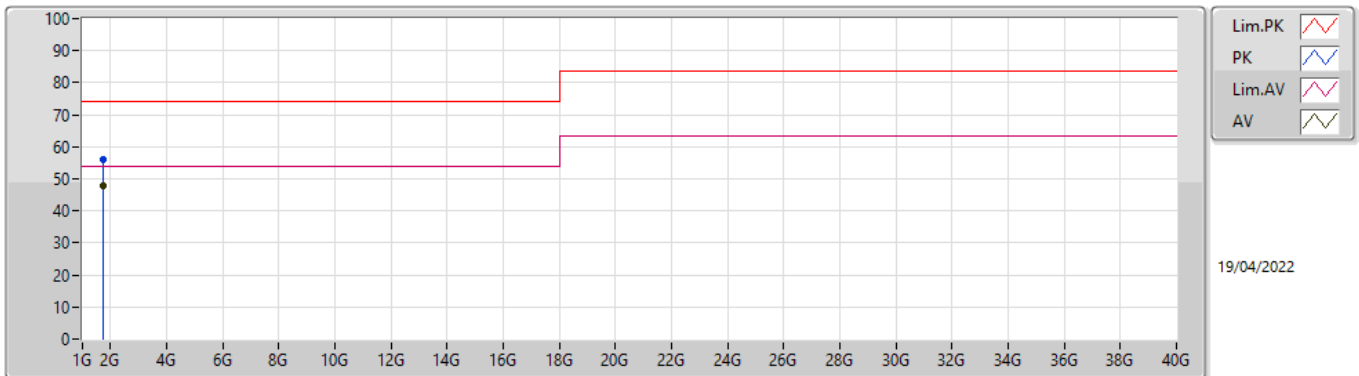
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.54504G	55.31	74.00	-18.69	42.11	3	Horizontal	191	2.20	-	39.30	8.68	34.78
AV	11.5481G	42.93	54.00	-11.07	29.73	3	Horizontal	191	2.20	-	39.30	8.68	34.78
PK	17.32574G	63.02	68.20	-5.18	46.29	3	Horizontal	162	1.01	-	41.78	9.56	34.61



Summary

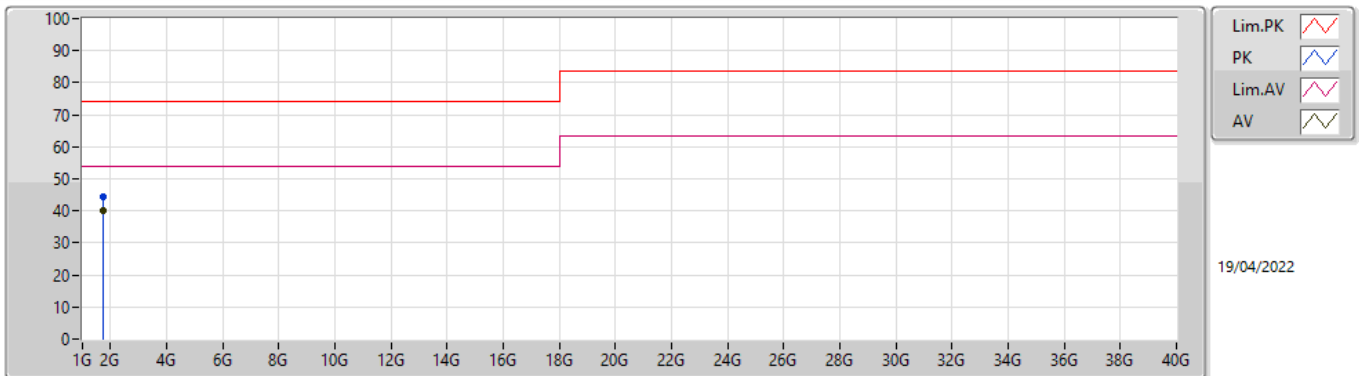
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.71843G	47.87	54.00	-6.13	Vertical

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	1.71852G	56.04	74.00	-17.96	-8.00	3	Vertical	293	1.10	-	64.04	25.13	4.18	37.31
AV	1.71843G	47.87	54.00	-6.13	-8.00	3	Vertical	293	1.10	"Worst"	55.87	25.13	4.18	37.31

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	1.7187G	44.26	74.00	-29.74	-8.00	3	Horizontal	79	1.00	-	52.26	25.13	4.18	37.31
AV	1.7188G	40.01	54.00	-13.99	-8.01	3	Horizontal	79	1.00	"Worst"	48.02	25.12	4.18	37.31