

VERIFICATION OF COMPLIANCE

● Equipment : WiFi6 11ax 2T2R module 1800Mbps
Model No. : AW7915-NPD
Applicant : AsiaRF Co., Ltd.
1F, 7, Houde Street, Yonghe Dist. New Taipei City Taiwan
23455

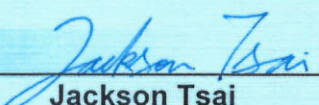


I HEREBY

DECLARE THAT :

The equipment was **Passed** the test performed according to
EN 300 440 V2.2.1 (2018-07)

The test was carried out on **May 13, 2022** at **SPORTON INTERNATIONAL INC. Hsinhua**
Laboratory.


Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory


No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

Radio Test Report

Equipment : WiFi6 11ax 2T2R module 1800Mbps
Brand Name : AsiaRF Co., Ltd.
Model No. : AW7915-NPD
Applicant : AsiaRF Co., Ltd.
1F, 7, Houde Street, Yonghe Dist. New Taipei City
Taiwan 23455
Manufacturer : AsiaRF Co., Ltd.
1F, 7, Houde Street, Yonghe Dist. New Taipei City
Taiwan 23455
Standard : EN 300 440 V2.2.1 (2018-07)

The product was received on Mar. 28, 2022, and testing was started from Apr. 21, 2022 and completed on May 13, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in EN 300 440 V2.2.1 (2018-07) 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	8
1.3	Testing Location Information	8
1.4	Measurement Uncertainty	8
2	TEST CONFIGURATION OF EUT.....	9
2.1	Test Condition	9
2.2	Test Channel Mode	9
2.3	The Worst Case Measurement Configuration.....	11
2.4	Support Equipment.....	11
2.5	Test Setup Diagram	12
3	TRANSMITTER TEST RESULT	13
3.1	Emission Bandwidth	13
3.2	Equivalent Isotropically Radiated Power (e.i.r.p.)	14
3.3	Permitted Range of Operating Frequencies.....	15
3.4	Unwanted Emissions in the Spurious Domain	17
4	RECEIVER TEST RESULT	19
4.1	Spurious Radiations	19
4.2	Blocking or desensitization	21
5	TEST EQUIPMENT AND CALIBRATION DATA	22
APPENDIX A. TEST RESULTS OF EMISSION BANDWIDTH AND PERMITTED RANGE OF OPERATING FREQUENCIES		
APPENDIX B. TEST RESULTS OF EQUIVALENT ISOTROPICALLY RADIATED POWER		
APPENDIX C. TEST RESULTS OF UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN		
APPENDIX D. TEST RESULTS OF SPURIOUS RADIATIONS		
APPENDIX E. TEST RESULTS OF BLOCKING OR DESENSITIZATION		
APPENDIX F. TEST PHOTOS		
PHOTOGRAPHS OF EUT V01		

History of this test report

[illegible]

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	4.2.3	Emission Bandwidth	PASS	-
3.2	4.2.2	Equivalent Isotropically Radiated Power(e.i.r.p.)	PASS	-
3.3	4.2.3	Permitted range of operating frequencies	PASS	-
3.4	4.2.4	Unwanted emissions in the spurious domain	PASS	-
-	4.2.5	Duty Cycle	PASS	-
-	4.2.6	Additional Requirements for FHSS Equipment	Not Required	-
4.1	4.3.5	Spurious Radiations	PASS	-
-	4.3.3	Adjacent Channel Selectivity	Not Required	Applies to equipment Category 1 receivers
4.2	4.3.4	Blocking or Desensitization	PASS	-

Declaration of Conformity:

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

Comments and Explanations:

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.

Reviewed by: Ben Tseng

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5.725-5.875GHz	a, n (HT20), ac (VHT20), ax (HEW20)	5745-5825	149-165 [5]
5.725-5.875GHz	n (HT40), ac (VHT40), ax (HEW40)	5755-5795	151-159 [2]
5.725-5.875GHz	ac (VHT80), ax (HEW80)	5775	155 [1]

<Non-Beamforming>

Band	Mode	BWch (MHz)	Nant
5.725-5.875GHz	802.11a	20	2TX
5.725-5.875GHz	802.11ax HEW20	20	2TX
5.725-5.875GHz	802.11ax HEW40	40	2TX
5.725-5.875GHz	802.11ax HEW80	80	2TX

<Beamforming>

Band	Mode	BWch (MHz)	Nant
5.725-5.875GHz	802.11ax HEW20-BF	20	2TX
5.725-5.875GHz	802.11ax HEW40-BF	40	2TX
5.725-5.875GHz	802.11ax HEW80-BF	80	2TX

Note:

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

1.1.2 Antenna Information

Group	Ant.	Brand	Model Name	Antenna Type	Connector	Support	Cable Loss (dBi)
1	1-2	Asiarf	ANT010-DAU	PCB	I-PEX / MMCX	2.4G+5G	0.3
2	3-4	Asiarf	ANT003	PCB	I-PEX / MMCX	2.4G+5G	0.3
3	5-6	Asiarf	A245005N	PCB	I-PEX / MMCX	2.4G+5G	0.3
4	7-8	Asiarf	A2405N	PCB	I-PEX / MMCX	2.4G	0.3
5	9-10	Asiarf	A5005N	PCB	I-PEX / MMCX	5G	0.3
6	11-12	Asiarf	A245004	Dipole	I-PEX / MMCX	2.4G+5G	0.3
7	13-14	Asiarf	A245002	Dipole	I-PEX / MMCX	2.4G+5G	0.3

Group	Ant.	Gain (dBi)	
		2.4G	5G
1	1-2	5.2	5.5
2	3-4	2.5	2.5
3	5-6	4	5.1
4	7-8	5.2	-
5	9-10	-	5
6	11-12	4	5.1
7	13-14	2	2

Note 1: EUT can match with above antennas for using. The higher gain (Ant. 1/6) were used to perform the worst configuration and result of that was recorded as the final test result.

Note 2: The antenna mentioned above will not be sold with the EUT in the market.

For 2.4GHz function:

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

Group 1, 2, 3, 4, 6, 7 could transmit/receive simultaneously.

For 5GHz function:

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

Group 1, 2, 3, 5, 6, 7 could transmit/receive simultaneously.

1.1.3 Test Signal Duty Cycle

<Non-Beamforming>

Mode	DC	DCF (dB)
802.11a_Nss1,(6Mbps)_2TX	0.959	0.18
802.11ax HEW20_Nss2,(MCS0)_2TX	0.845	0.73
802.11ax HEW40_Nss2,(MCS0)_2TX	0.845	0.73
802.11ax HEW80_Nss2,(MCS0)_2TX	0.84	0.76

<Beamforming>

Mode	DC	DCF (dB)
802.11ax HEW20-BF_Nss2,(MCS0)_2TX	0.845	0.73
802.11ax HEW40-BF_Nss2,(MCS0)_2TX	0.845	0.73
802.11ax HEW80-BF_Nss2,(MCS0)_2TX	0.84	0.76

1.1.4 Type of EUT

Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems) Host System - Brand Name / Model No.: ...
<input type="checkbox"/>	Other:

1.1.5 EUT Information

EUT Power Type	From Test Fixture		
Beamforming Function	<input checked="" type="checkbox"/> With beamforming	<input type="checkbox"/> Without beamforming	
Software / Firmware Version for Blocking		LEDE Reboot 17.01-SNAPSHOT unknown / LuCI (unknown)	

1.1.6 Receiver Category

Receiver Category	
<input type="checkbox"/>	1 Highly reliable SRD communication media; e.g. serving human life inherent systems (may result in a physical risk to a person).
<input type="checkbox"/>	2 Medium reliability SRD communication media e.g. causing inconvenience to persons, which cannot simply be overcome by other means.
<input checked="" type="checkbox"/>	3 Standard reliability SRD communication media and radiodetermination devices. E.g. Inconvenience to persons, which can simply be overcome by other means(e.g. manual).

1.1.7 Table for Multiple Listing

SKU	Ant. Connector	Description
1	I-PEX	There are two SKUs for EUT. The only difference between SKU 1 and SKU 2 is Ant. Connector, but the gain is same. Therefore, SKU 1 configuration was measured during the test.
2	MMCX	

1.2 Testing Applied Standards

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

- ♦ EN 300 440 V2.2.1 (2018-07)

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/> Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH07-HY	Alan Chien	20.1~26.9°C / 50~60%	11/May/2022~13/May/2022
Radiated	05CH01-HY	Wayne Chiu	21.6~22.1°C / 57~59%	22/Apr/2022~29/Apr/2022
Adaptivity	DFS01-HY	Peng Huang	23.6~25.8°C / 52~63%	25/Apr/2022
Blocking	DFS03-HY	Tony Chang	21.7~25.9°C / 53~62%	21/Apr/2022
<input type="checkbox"/> Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	

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))

Parameter	Uncertainty	Limit
RF frequency	$\pm 1.9 \times 10^{-10}$	$\pm 1 \times 10^{-7}$
RF power (conducted)	± 1.3 dB	± 2.5 dB
Radiated emission of transmitter, valid to 26.5GHz	± 3.7 dB	± 6 dB
Radiated emission of transmitter, valid between 26.5GHz and 40 GHz	± 3.7 dB	± 8 dB
Radiated emission of receiver, valid to 26.5GHz	± 3.7 dB	± 6 dB
Radiated emission of receiver, valid between 26.5GHz and 40 GHz	± 3.7 dB	± 8 dB
Temperature	± 0.4 °C	± 1 °C
Humidity	± 0.9 %	± 5 %
Voltage(DC)	0.2%	± 1 %
Voltage(AC, <10kHz)	0.4%	± 2 %

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
TnomVnom	Tnom	20°C
TminVmax	Tmin	0°C
TminVmin	Tmax	70°C
TmaxVmax	Vnom	230V
TmaxVmin	Vmin	207V
-	Vmax	253V

2.2 Test Channel Mode

Test Software Version	QATool_Dbg 0.0.2.33
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<Non-Beamforming>


Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5745MHz	3
5785MHz	3
5825MHz	4
802.11ax HEW20_Nss2,(MCS0)_2TX	-
5745MHz	3.5
5785MHz	3.5
5825MHz	4
802.11ax HEW40_Nss2,(MCS0)_2TX	-
5755MHz	4
5795MHz	4
802.11ax HEW80_Nss2,(MCS0)_2TX	-
5775MHz	4.5

**<Beamforming>**

Mode	Power Setting
802.11ax HEW20-BF_Nss2,(MCS0)_2TX	-
5745MHz	0.5
5785MHz	0.5
5825MHz	1
802.11ax HEW40-BF_Nss2,(MCS0)_2TX	-
5755MHz	1
5795MHz	1
802.11ax HEW80-BF_Nss2,(MCS0)_2TX	-
5775MHz	1.5

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth, Permitted Range of Operating Frequencies
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Equivalent Isotropically Radiated Power Transmitter Unwanted Emissions, Receiver Spurious Emissions
Test Condition	Radiated measurement
Operating Mode	<input checked="" type="checkbox"/> 1. Transmit / Receive
1	Test Fixture mode; PCB Antenna
2	Test Fixture mode; Dipole Antenna
Orthogonal Planes of EUT	Z Plane
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Blocking or desensitization
Test Condition	Conducted measurement at transmit chains

2.4 Support Equipment

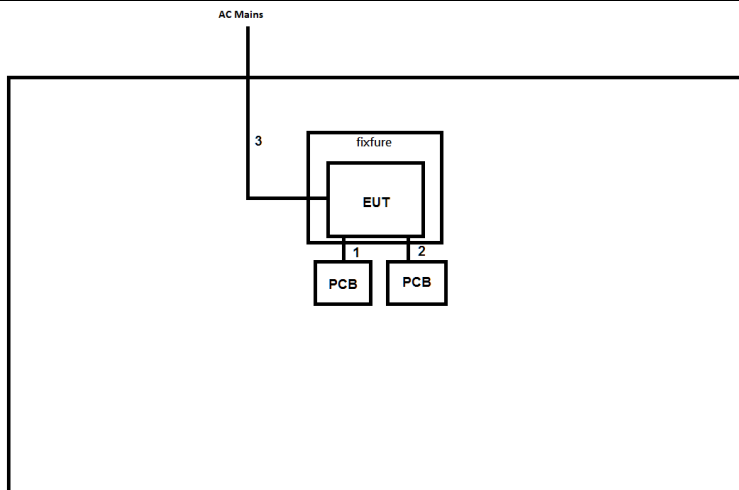
Support Equipment - RF Conducted				
No.	Equipment	Brand Name	Model Name	Remark
1	Notebook	DELL	E5410	-
2	Adapter for NB	DELL	HA65NM130	-

Support Equipment - Radiated				
No.	Equipment	Brand Name	Model Name	Remark
1	Fixture	Sinovoip	Banana Pi BPi-R64	-
2	Adapter	SHENZHEN YINGHUIYUAN ELECTRONICS CO.,LTD	YHY-12004000	-

Support Equipment - Blocking				
No.	Equipment	Brand Name	Model Name	Remark
1	Notebook	DELL	Latitude E5540	-

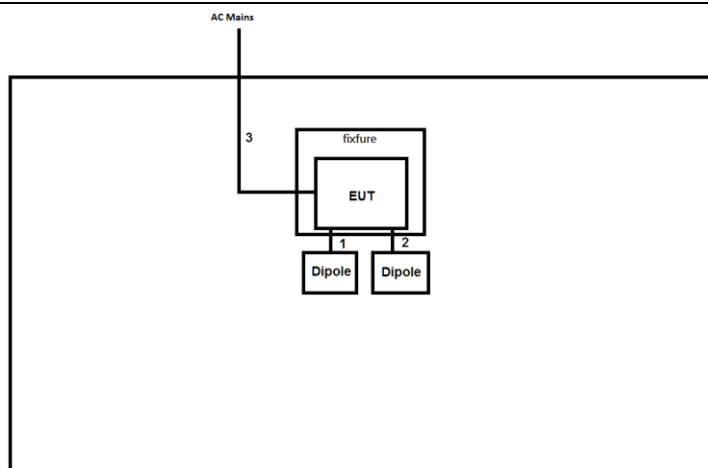
2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test for Mode 1



Item	Connection	Shielded	Length(m)	Remark
1	RF Cable	No	0.1	-
2	RF Cable	No	0.1	-
3	Power cable	No	1.2	-

Test Setup Diagram - Radiated Test for Mode 2



Item	Connection	Shielded	Length(m)	Remark
1	RF Cable	No	0.1	-
2	RF Cable	No	0.1	-
3	Power cable	No	1.2	-

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit
Fall in band (5725 - 5875 MHz)

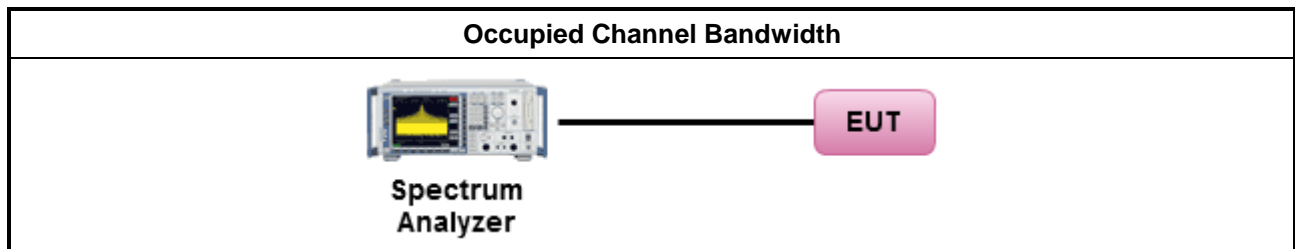
3.1.2 Measuring Instruments

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 EN 300 440, clause 4.2.3.3 for conducted measurement.
<input checked="" type="checkbox"/>	The EUT supports single transmit chain and measurements performed on this transmit chain.
<input type="checkbox"/>	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
<input type="checkbox"/>	For conducted measurements on smart antenna systems (equipment with multiple transmit chains) measurements need only to be performed on one of the active transmit chains (antenna outputs). All measurement had be performed on transmit chains 1.
<input type="checkbox"/>	Refer as EN 300 440, clause 4.2.3.3 for radiated measurement.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Equivalent Isotropically Radiated Power (e.i.r.p.)

3.2.1 Equivalent Isotropically Radiated Power Limit

Frequency Bands (MHz)	Power	Applications
2 400 MHz to 2 483,5 MHz	10 mW e.i.r.p.	Non-specific short range devices
2 400 MHz to 2 483,5 MHz	25 mW e.i.r.p.	Radio determination devices
(a) 2 446 MHz to 2 454 MHz	500 mW e.i.r.p.	RFID
(b) 2 446 MHz to 2 454 MHz	4 W e.i.r.p.	RFID
5 725 MHz to 5 875 MHz	25 mW e.i.r.p.	Non-specific short range devices
9 200 MHz to 9 500 MHz	25 mW e.i.r.p.	Radio determination devices
9 500 MHz to 9 975 MHz	25 mW e.i.r.p.	Radio determination devices
10,5 GHz to 10,6 GHz	500 mW e.i.r.p.	Radio determination devices
13,4 GHz to 14,0 GHz	25 mW e.i.r.p.	Radio determination devices
17,1 GHz to 17,3 GHz	400 mW e.i.r.p.	Radio determination devices
24,00 GHz to 24,25 GHz	100 mW e.i.r.p.	Non-specific short range devices Radio determination devices

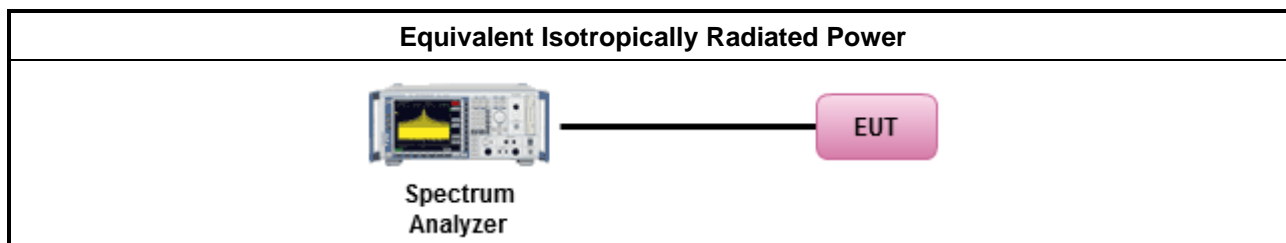
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> The measurements shall be performed at both normal environmental conditions and at the extremes of the operating temperature range.
<input type="checkbox"/> For the effective radiated power shall be referred as EN 300 440, clause 4.2.2.3, for equivalent isotropically radiated power measurement.
<input checked="" type="checkbox"/> For extremes conditions, the EUT with conducted measurement shall be related to the equivalent isotropically radiated power (normal condition) measured in radiated condition. The compensation calculation will be used to calculate the absolute level of the extremes conditions refer as radiated normal condition.

3.2.4 Test Setup



3.2.5 Test Result of Equivalent Isotropically Radiated Power

Refer as Appendix B

3.3 Permitted Range of Operating Frequencies

3.3.1 Permitted Range of Operating Frequencies Limit

Permitted Range of Operating Frequencies Limit
For all equipment the frequency range (f_L and f_H) shall lie within the band 5725 - 5875 MHz.

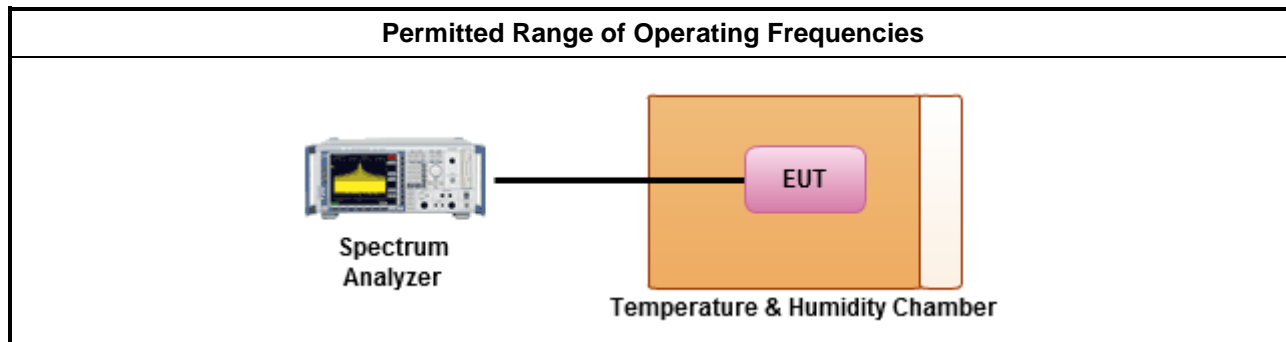
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	The measurements shall be performed at both normal environmental conditions and at the extremes of the operating temperature range.
<input checked="" type="checkbox"/>	For the operating frequencies ranges shall be referred as EN 300 440, clause 4.2.3.3 for the operating frequencies ranges shall be measured.
<input checked="" type="checkbox"/>	For extremes conditions, the EUT with conducted measurement shall be related to the equivalent isotropically radiated power (normal condition) measured in radiated condition. The compensation calculation will be used to calculate the absolute level of the extremes conditions refer as radiated normal condition.
<input checked="" type="checkbox"/>	For conducted measurement.
<input checked="" type="checkbox"/>	The EUT supports single transmit chain and measurements performed on this transmit chain.
<input type="checkbox"/>	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
<input type="checkbox"/>	The EUT supports multiple transmit chains using options given below:
<input type="checkbox"/>	Option 1: 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 N_{TX} output to obtain the value for the first frequency bin of the summed spectrum.)
<input type="checkbox"/>	Option 2: Smart antenna systems using symmetrical power distribution across the available transmit chains. If only one transmit chain was tested, the result for the active transmit chain shall be corrected to be valid for the whole system (all transmit chains). The results for only one transmit chain shall be compared with the frequency range level that limit have been reduced with $10 \times \log_{10} (A_{ch})$. (Number of active transmit chains). All measurement had be performed on transmit chains 1.
<input type="checkbox"/>	Option 3: Smart antenna systems using asymmetrical power distribution across the available transmit chains. A power splitter/combiner shall be used to combine all the transmit chains (antenna outputs) into a single test point. The insertion loss of the power splitter/combiner shall be taken into account.
<input type="checkbox"/>	Refer as EN 300 440, clause 4.2.2.3 radiated measurement.

3.3.4 Test Setup



3.3.5 Test Result of Permitted Range of Operating Frequencies

Refer as Appendix A

3.4 Unwanted Emissions in the Spurious Domain

3.4.1 Unwanted Emissions in the Spurious Domain Limit

Frequency State	47 MHz to 74 MHz 87,5 MHz to 108 MHz 174 MHz to 230 MHz 470 MHz to 862 MHz	Other frequencies below 1000 MHz	Frequencies above 1000 MHz
Operating	4 nW (-54 dBm)	250 nW (-36 dBm)	1 µW (-30 dBm)
Standby	2 nW (-57 dBm)	2 nW (-57 dBm)	20 nW (-47 dBm)

For radiated measurement, the measuring receiver shall be tuned over the frequency range:

a) 25 MHz to 10 times the carrier frequency, not exceeding 40 GHz, for equipment operating on frequencies below 20 GHz; or

b) 25 MHz to 66 GHz, for equipment operating on frequencies above 20 GHz.

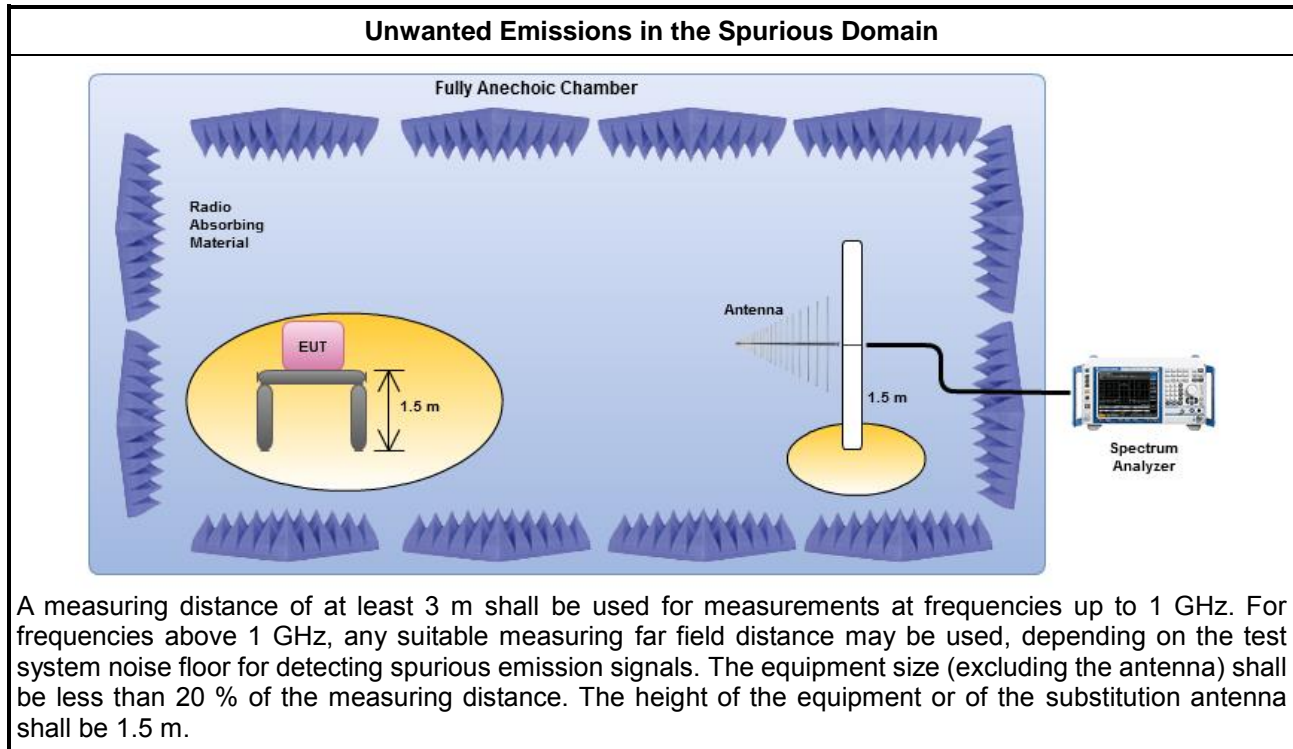
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
<input type="checkbox"/>	Refer as EN 300 440, clause 4.2.4.3.1 and clause 4.2.4.3.2 for conducted measurement and cabinet measurement. Conducted spurious emissions and radiated by the cabinet with the antenna connector(s) terminated by a specified load (cabinet radiation).
<input type="checkbox"/>	The EUT supports single transmit chain and measurements performed on this transmit chain.
<input type="checkbox"/>	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
<input type="checkbox"/>	The EUT supports multiple transmit chains using options given below:
<input type="checkbox"/>	Option 1: The trace data for each transmit chain has to be individually recorded and each transmit chain trace data shall be added and compared with the transmitter spurious emissions limit.
<input type="checkbox"/>	Option 2: the results for each of the transmit chains shall be individually compared with the transmitter spurious emissions limit. After that these limits have been reduced with $10 \times \log_{10}(A_{ch})$. (Number of active transmit chains).
<input checked="" type="checkbox"/>	Refer as EN 300 440, clause 4.2.4.3.3 for radiated measurement.

3.4.4 Test Setup



3.4.5 Transmitter Radiated Unwanted Emissions

Refer as Appendix C

4 Receiver Test Result

4.1 Spurious Radiations

4.1.1 Spurious Radiations Limit

Frequency State	Frequencies below 1000 MHz	Frequencies above 1000 MHz
Receiver	2 nW (-57 dBm)	20 nW (-47 dBm)

For radiated measurement, the measuring receiver shall be tuned over the frequency range:

- 25 MHz to 10 times the carrier frequency, not exceeding 40 GHz, for equipment operating on frequencies below 20 GHz; or
- 25 MHz to 66 GHz, for equipment operating on frequencies above 20 GHz.

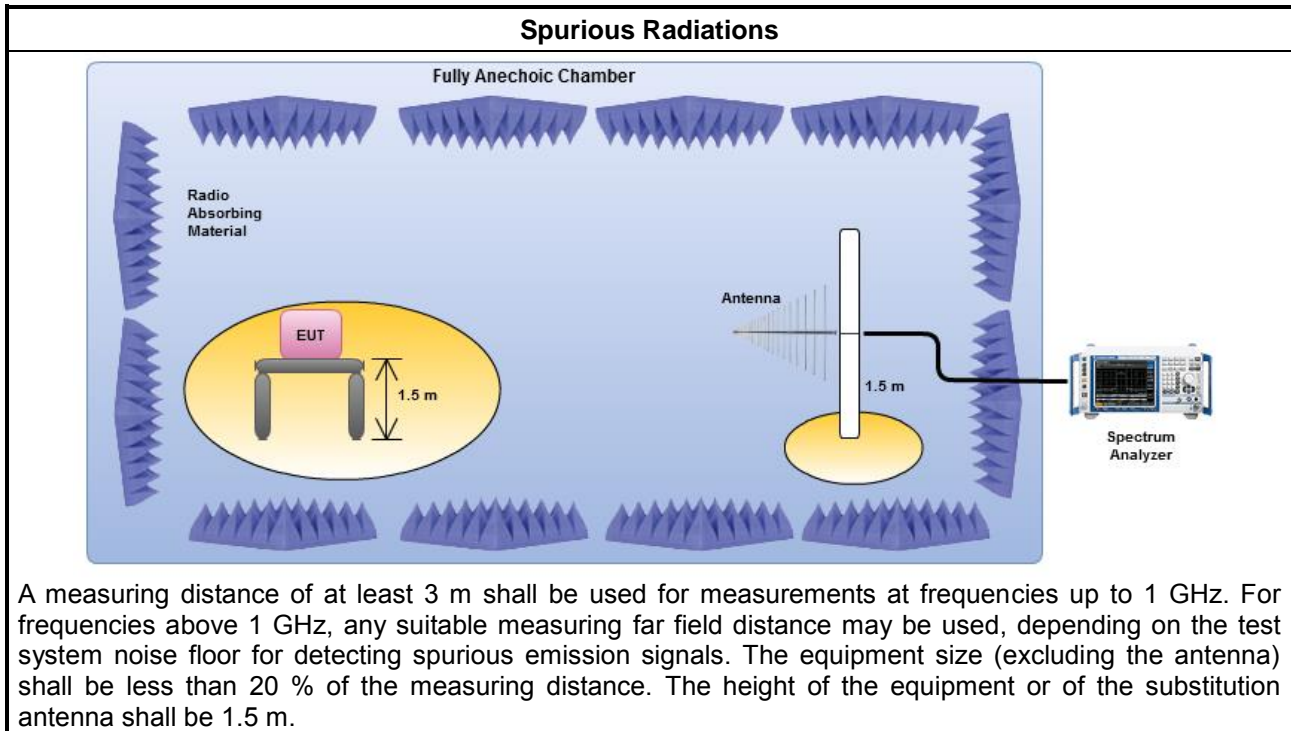
4.1.2 Measuring Instruments

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

4.1.3 Test Procedures

Test Method	
<input type="checkbox"/>	Refer as EN 300 440, clause 4.3.5.3.1 and 4.3.5.3.2 for conducted and cabinet measurement. Conducted spurious emissions and radiated by the cabinet with the antenna connector(s) terminated by a specified load (cabinet radiation).
<input type="checkbox"/>	The EUT supports single receive chain and measurements performed on this receive chain.
<input type="checkbox"/>	The EUT supports diversity receiving and the results on receive chain port 1 is the worst case.
<input type="checkbox"/>	The EUT supports multiple receive chains using options given below:
<input type="checkbox"/>	Option 1: The trace data for each receive chain has to be individually recorded and each receive chain trace data shall be added and compared with the receiver spurious emissions limit.
<input type="checkbox"/>	Option 2: the results for each of the receive chains shall be individually compared with the receiver spurious emissions limit. After that these limits have been reduced with $10 \times \log_{10}(A_{ch})$. (Number of active receive chains).
<input type="checkbox"/>	Option 3: A power splitter/combiner shall be used to combine all the receive chains (antenna outputs) into a single test point. The insertion loss of the power splitter/combiner shall be taken into account.
<input checked="" type="checkbox"/>	Refer as EN 300 440, clause 4.3.5.3.3 for radiated measurement.

4.1.4 Test Setup



4.1.5 Receiver Radiated Spurious Emissions

Refer as Appendix D

4.2 Blocking or desensitization

4.2.1 Blocking or desensitization Limit

Receiver Category	Limit
1	-30 dBm + k
2	-45 dBm + k
3	-60 dBm + k
The correction factor, k, is as follows: $k = -20\log f - 10\log BW$ Where: f is the frequency in GHz; BW is the channel bandwidth in MHz. The factor k is limited within the following: $0 > k > -40 \text{ dB}$.	

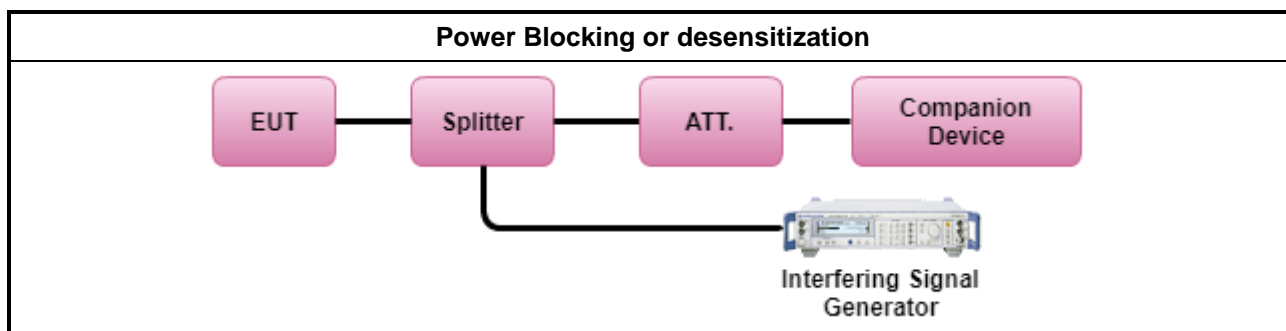
4.2.2 Measuring Instruments

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

4.2.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as EN 300 440 V2.2.1 (2018-07), clause 4.3.4.3 for conducted measurement.

4.2.4 Test Setup



4.2.5 Test Result of Blocking

Refer as Appendix E

5 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
Programmable Temp. & Humi. Chamber	Giant Force	GTH-225-40-CP-AR	MAA1311-008	-40~100℃	08/Jun/2021	07/Jun/2022
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
USB Wideband Power Sensor	Agilent	U2021XA	MY54320011	50MHz~18GHz	15/Aug/2021	14/Aug/2022
USB Wideband Power Sensor	Agilent	U2021XA	MY54320013	50MHz~18GHz	15/Aug/2021	14/Aug/2022
SENSE-301893_NII	Sporton	V5.10.7.16	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV40	101514	10Hz~40GHz	30/Apr/2021	29/Apr/2022
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
Amplifier	Agilent	8447D	2944A11146	100kHz~1.3GHz	02/Sep/2021	01/Sep/2022
Microwave Preamplifier	EMC INSTRUMENT	EMC051845BE	980241	1GHz~18GHz	17/May/2021	16/May/2022
Bilog Antenna & 6dB Attenuator	SCHAFFNER	CBL6111C & N-6-06	2737 & AT-N0603	30MHz~1GHz	04/Sep/2021	03/Sep/2022
Double Ridged Guide Horn Antenna	ETS · LINDGREN	3117	00091920	1GHz~18GHz	25/Nov/2021	24/Nov/2022
RF Cable	Jye Bao	SUOFLEX 104	CB001+F1403+S N329367/4	30MHz~1GHz	16/Mar/2022	15/Mar/2023
RF Cable	HUBER+SUHNER	SUOFLEX 104	SN345669/4+MY 34919/4	1GHz~40GHz	16/Mar/2022	15/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-301893_NII	Sporton	V5.10.7.15	N/A	N/A	N/A	N/A

Instrument for Blocking Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Wireless connectivity tester	R&S	CMW270	100855	70MHz ~6GHz	24/Nov/2021	23/Nov/2022
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022



Summary

Mode	Result	Limit (Hz)	fl-OBW (Hz)	fh-OBW (Hz)	OBW (Hz)	N dB (Hz)
5.725-5.875GHz	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	5.725-5.875G	5.736791G	5.833324G	16.388M	16.33M
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	5.725-5.875G	5.735501G	5.834599G	18.943M	19.035M
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	5.725-5.875G	5.736202G	5.813858G	37.565M	35.54M
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	5.725-5.875G	5.736625G	5.813395G	76.61M	75.5M

fl-OBW = fl lower edge 99% occupied bandwidth; fh-OBW = fh higher edge 99% occupied bandwidth; OBW = 99% occupied bandwidth;
N dB = 6dB down bandwidth

Result

Mode	Result	Limit (Hz)	fl-OBW (Hz)	fh-OBW (Hz)	OBW (Hz)	N dB (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz_TnomVnom	Pass	5.725-5.875G	5.736791G	5.753164G	16.363M	16.305M
5745MHz_TminVmax	Pass	5.725-5.875G	5.736816G	5.753179G	16.358M	16.29M
5745MHz_TminVmin	Pass	5.725-5.875G	5.736816G	5.753174G	16.353M	16.315M
5745MHz_TmaxVmax	Pass	5.725-5.875G	5.736941G	5.753299G	16.358M	16.31M
5745MHz_TmaxVmin	Pass	5.725-5.875G	5.736931G	5.753294G	16.353M	16.29M
5785MHz_TnomVnom	Pass	5.725-5.875G	5.776806G	5.793179G	16.368M	16.325M
5785MHz_TminVmax	Pass	5.725-5.875G	5.776826G	5.793179G	16.348M	16.3M
5785MHz_TminVmin	Pass	5.725-5.875G	5.776826G	5.793179G	16.348M	16.305M
5785MHz_TmaxVmax	Pass	5.725-5.875G	5.776946G	5.793304G	16.358M	16.305M
5785MHz_TmaxVmin	Pass	5.725-5.875G	5.776951G	5.793309G	16.358M	16.315M
5825MHz_TnomVnom	Pass	5.725-5.875G	5.816801G	5.833164G	16.363M	16.325M
5825MHz_TminVmax	Pass	5.725-5.875G	5.816821G	5.833189G	16.368M	16.31M
5825MHz_TminVmin	Pass	5.725-5.875G	5.816821G	5.833179G	16.353M	16.305M
5825MHz_TmaxVmax	Pass	5.725-5.875G	5.816941G	5.833319G	16.368M	16.33M
5825MHz_TmaxVmin	Pass	5.725-5.875G	5.816936G	5.833324G	16.388M	16.31M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz_TnomVnom	Pass	5.725-5.875G	5.735501G	5.754454G	18.943M	18.76M
5745MHz_TminVmax	Pass	5.725-5.875G	5.735536G	5.754459G	18.918M	18.505M
5745MHz_TminVmin	Pass	5.725-5.875G	5.735536G	5.754459G	18.913M	18.53M
5745MHz_TmaxVmax	Pass	5.725-5.875G	5.735656G	5.754579G	18.918M	18.48M
5745MHz_TmaxVmin	Pass	5.725-5.875G	5.735651G	5.754584G	18.933M	18.695M
5785MHz_TnomVnom	Pass	5.725-5.875G	5.775511G	5.794449G	18.938M	18.735M
5785MHz_TminVmax	Pass	5.725-5.875G	5.775536G	5.794459G	18.918M	18.835M
5785MHz_TminVmin	Pass	5.725-5.875G	5.775546G	5.794464G	18.918M	18.51M
5785MHz_TmaxVmax	Pass	5.725-5.875G	5.775656G	5.794594G	18.923M	18.55M
5785MHz_TmaxVmin	Pass	5.725-5.875G	5.775651G	5.794584G	18.928M	18.25M
5825MHz_TnomVnom	Pass	5.725-5.875G	5.815511G	5.834449G	18.938M	18.44M
5825MHz_TminVmax	Pass	5.725-5.875G	5.815536G	5.834464G	18.928M	18.785M
5825MHz_TminVmin	Pass	5.725-5.875G	5.815541G	5.834464G	18.923M	19.035M
5825MHz_TmaxVmax	Pass	5.725-5.875G	5.815666G	5.834599G	18.933M	18.275M
5825MHz_TmaxVmin	Pass	5.725-5.875G	5.815666G	5.834599G	18.928M	18.52M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz_TnomVnom	Pass	5.725-5.875G	5.736202G	5.773738G	37.535M	35.06M
5755MHz_TminVmax	Pass	5.725-5.875G	5.736222G	5.773788G	37.565M	35.54M
5755MHz_TminVmin	Pass	5.725-5.875G	5.736222G	5.773788G	37.565M	35M
5755MHz_TmaxVmax	Pass	5.725-5.875G	5.736362G	5.773868G	37.505M	35.3M
5755MHz_TmaxVmin	Pass	5.725-5.875G	5.736342G	5.773858G	37.515M	35.05M
5795MHz_TnomVnom	Pass	5.725-5.875G	5.776242G	5.813728G	37.475M	35.01M
5795MHz_TminVmax	Pass	5.725-5.875G	5.776232G	5.813768G	37.525M	35.06M
5795MHz_TminVmin	Pass	5.725-5.875G	5.776262G	5.813748G	37.485M	35.3M
5795MHz_TmaxVmax	Pass	5.725-5.875G	5.776362G	5.813858G	37.495M	34.99M
5795MHz_TmaxVmin	Pass	5.725-5.875G	5.776362G	5.813848G	37.465M	35.03M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz_TnomVnom	Pass	5.725-5.875G	5.736625G	5.813255G	76.57M	75.24M
5775MHz_TminVmax	Pass	5.725-5.875G	5.736685G	5.813275G	76.57M	75M
5775MHz_TminVmin	Pass	5.725-5.875G	5.736705G	5.813315G	76.61M	73.78M
5775MHz_TmaxVmax	Pass	5.725-5.875G	5.736845G	5.813375G	76.53M	75.5M
5775MHz_TmaxVmin	Pass	5.725-5.875G	5.736825G	5.813395G	76.51M	74.96M

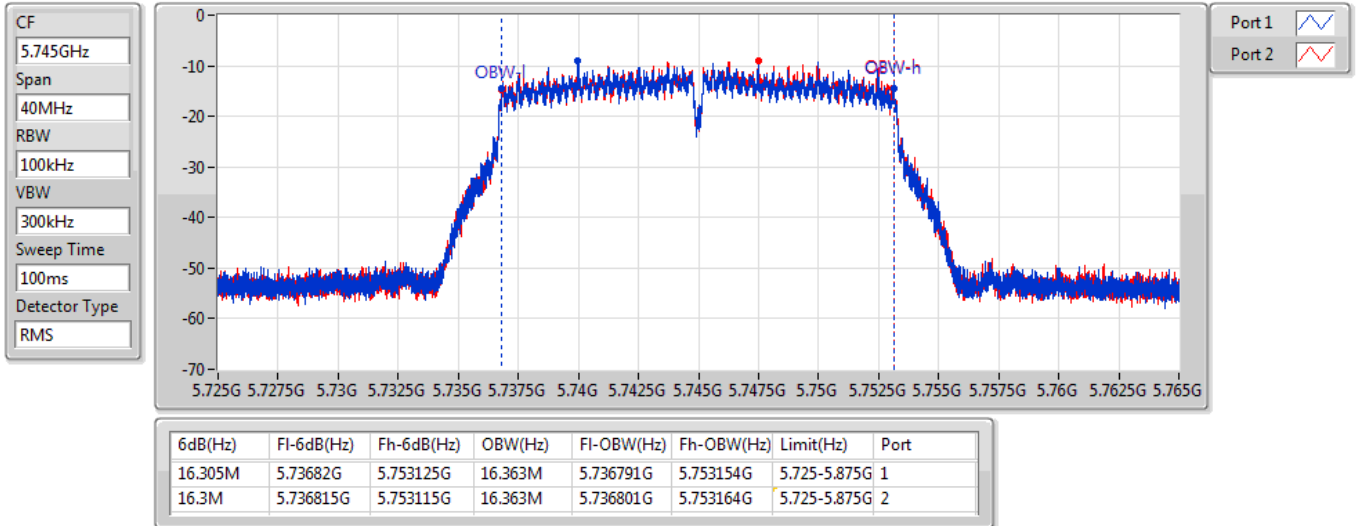
fl-OBW = fl lower edge 99% occupied bandwidth; fh-OBW = fh higher edge 99% occupied bandwidth; OBW = 99% occupied bandwidth;
N dB = 6dB down bandwidth

802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5745MHz_TnomVnom

12/05/2022

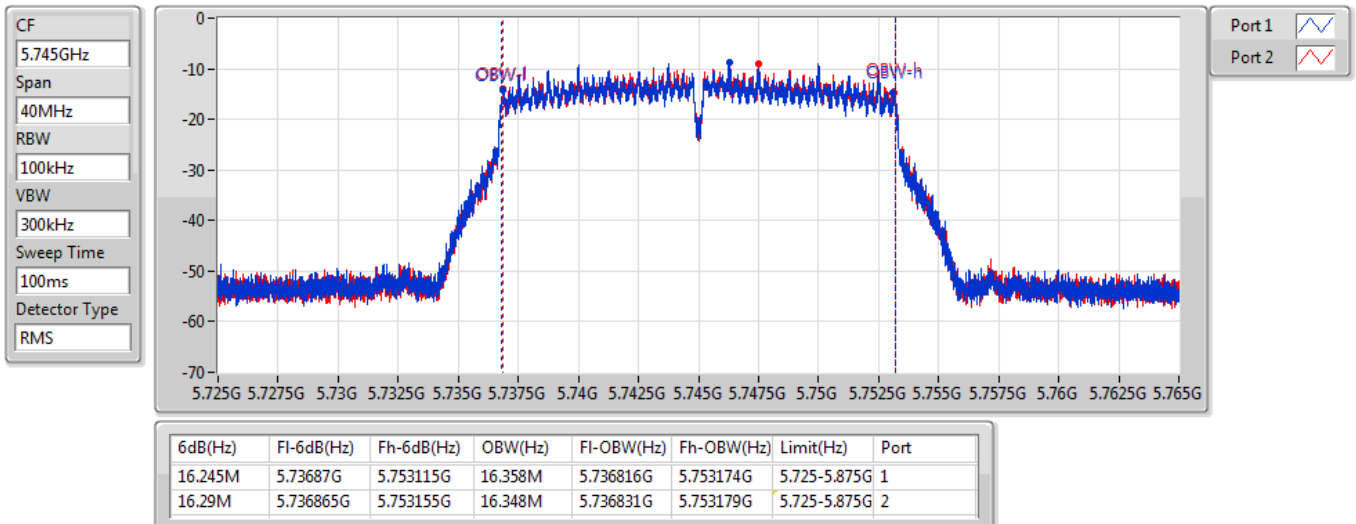


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5745MHz_TminVmax

13/05/2022

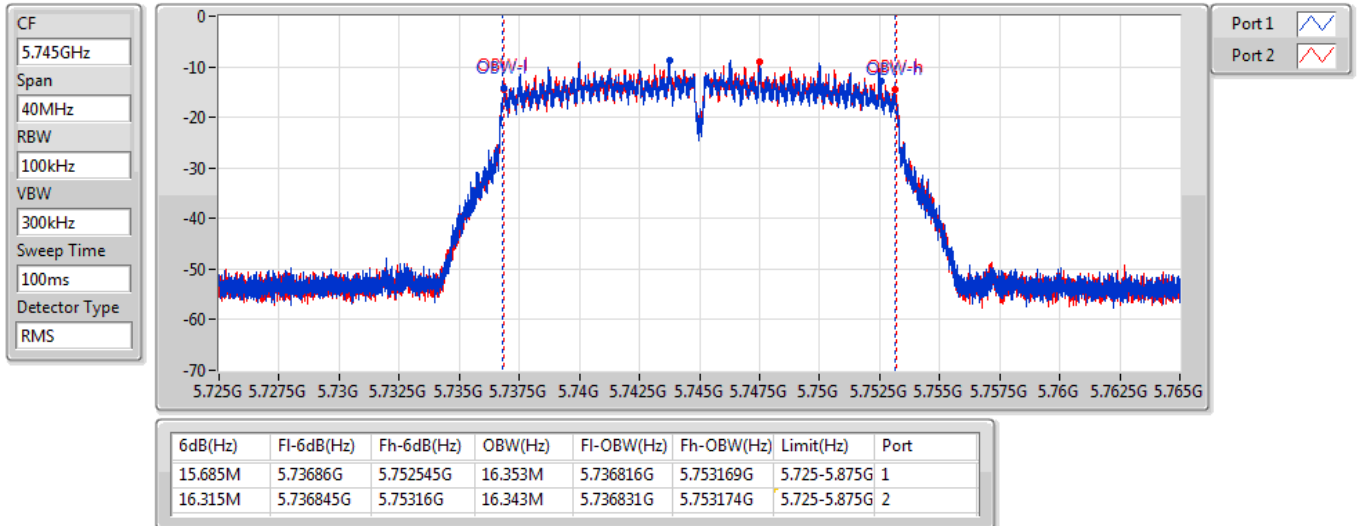


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5745MHz_TminVmin

13/05/2022

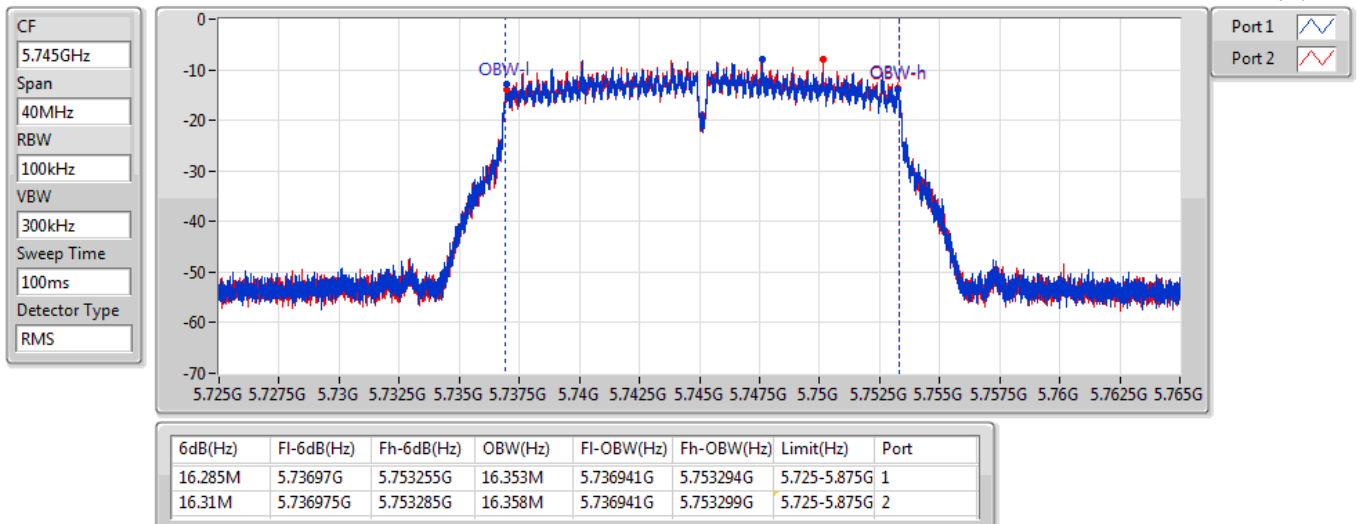


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5745MHz_TmaxVmax

12/05/2022

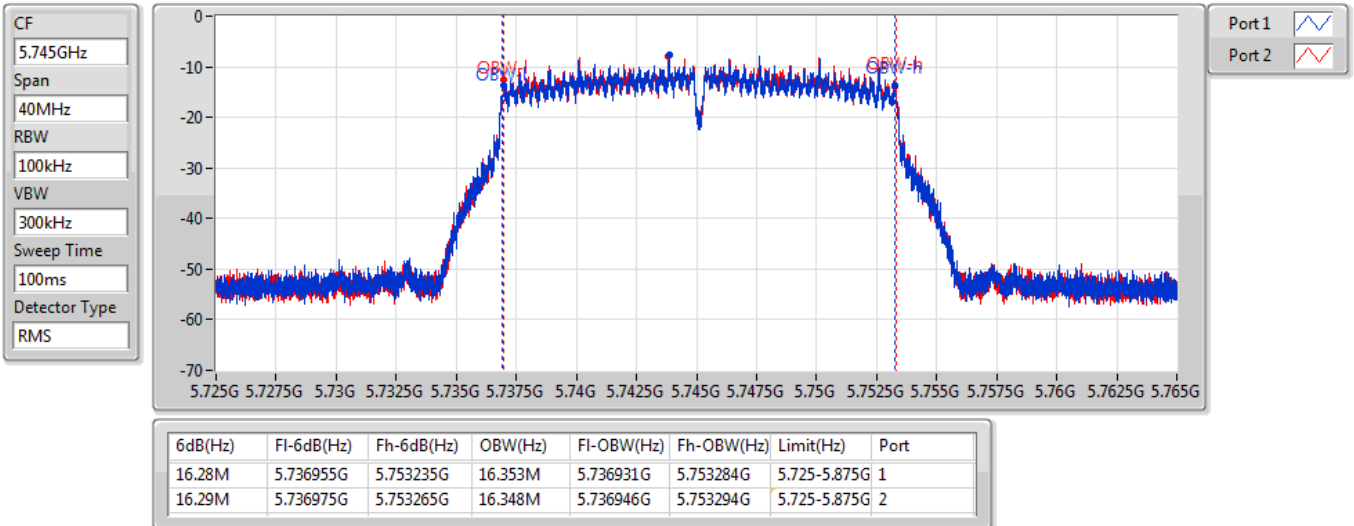


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5745MHz_TmaxVmin

12/05/2022

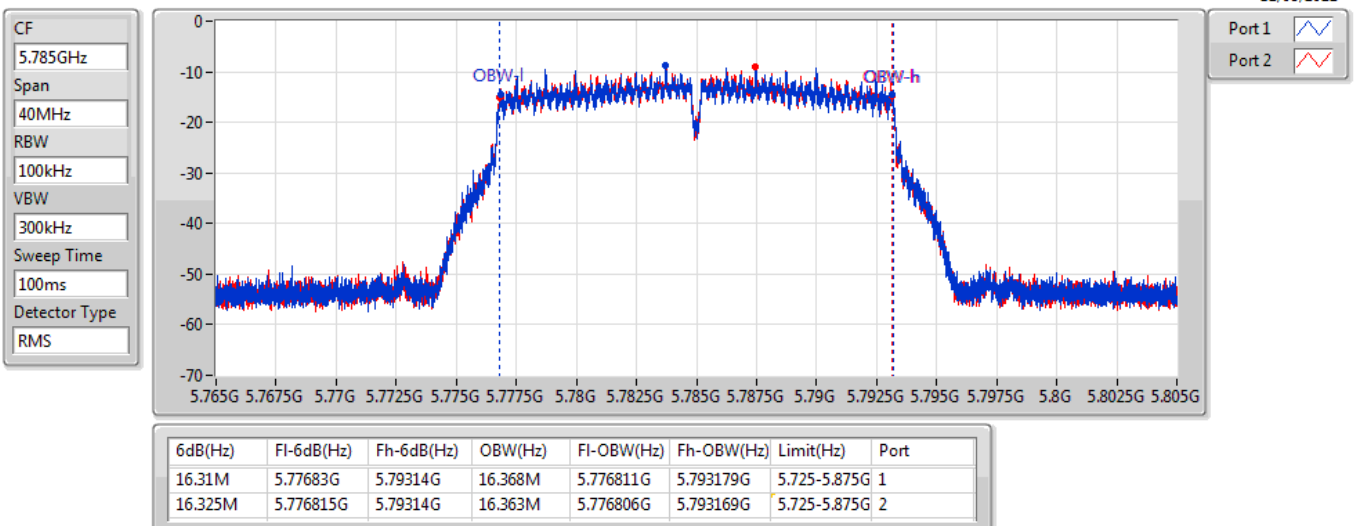


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5785MHz_TnomVnom

12/05/2022

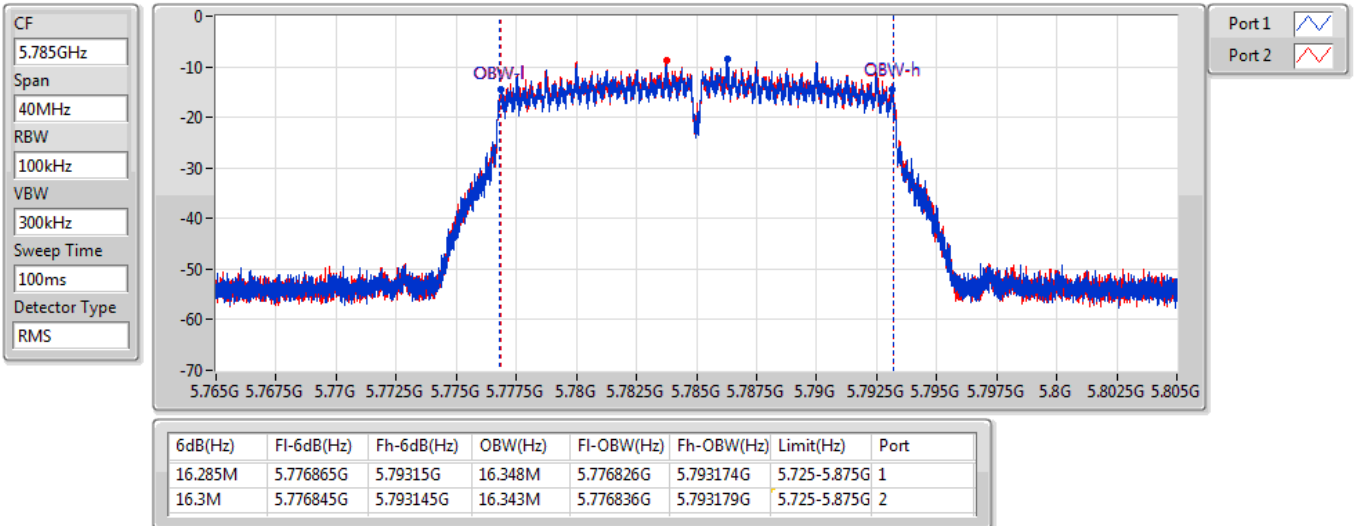


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5785MHz_TminVmax

13/05/2022

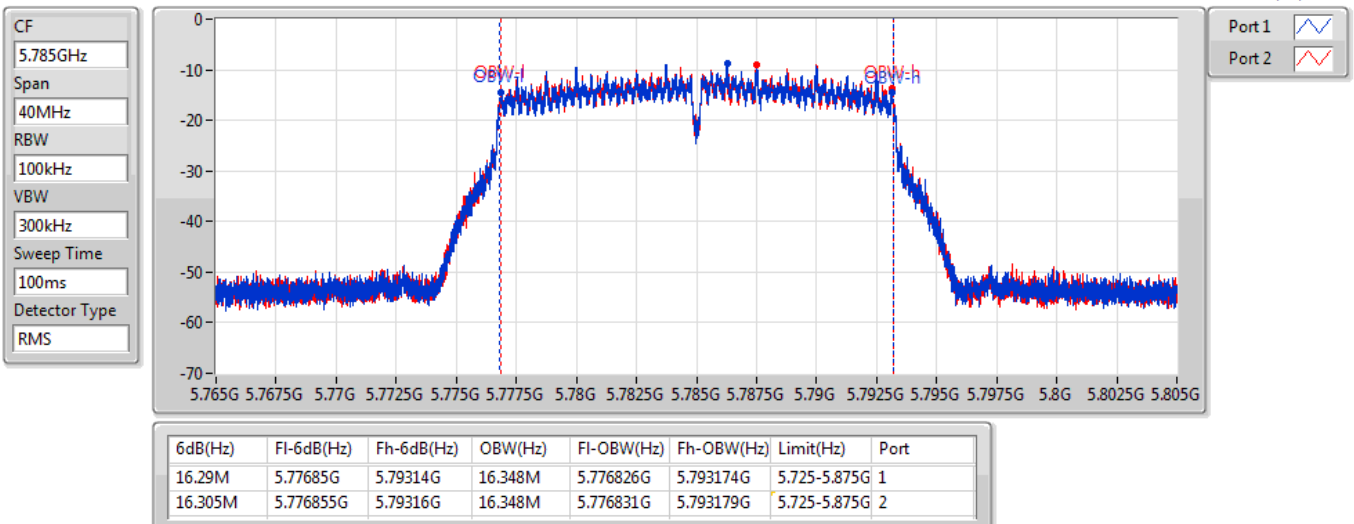


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5785MHz_TminVmin

13/05/2022

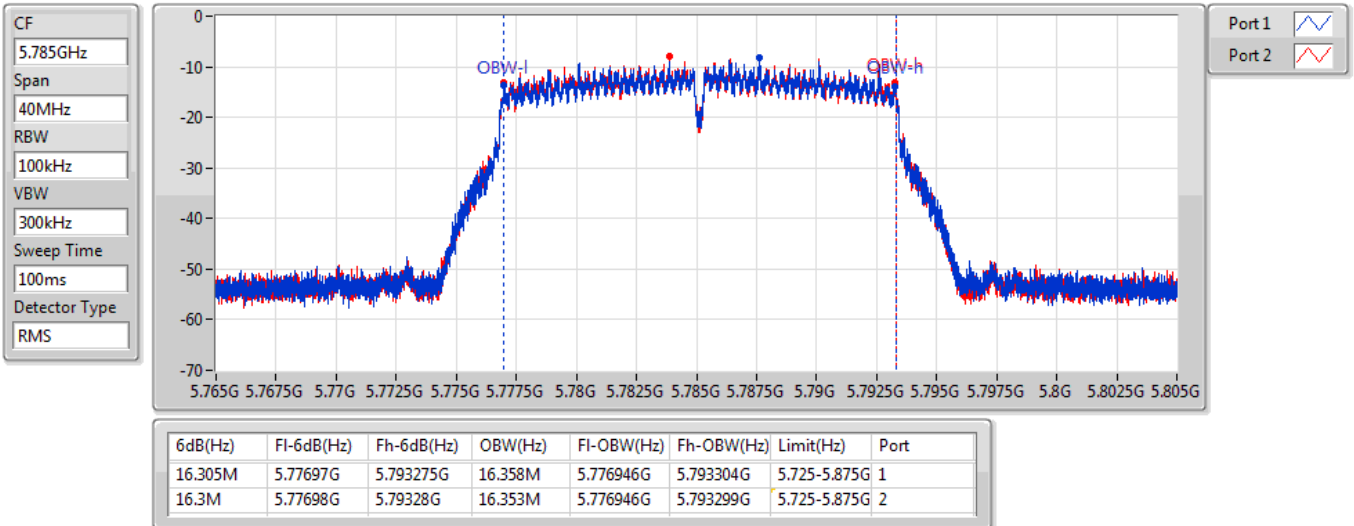


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5785MHz_TmaxVmax

12/05/2022

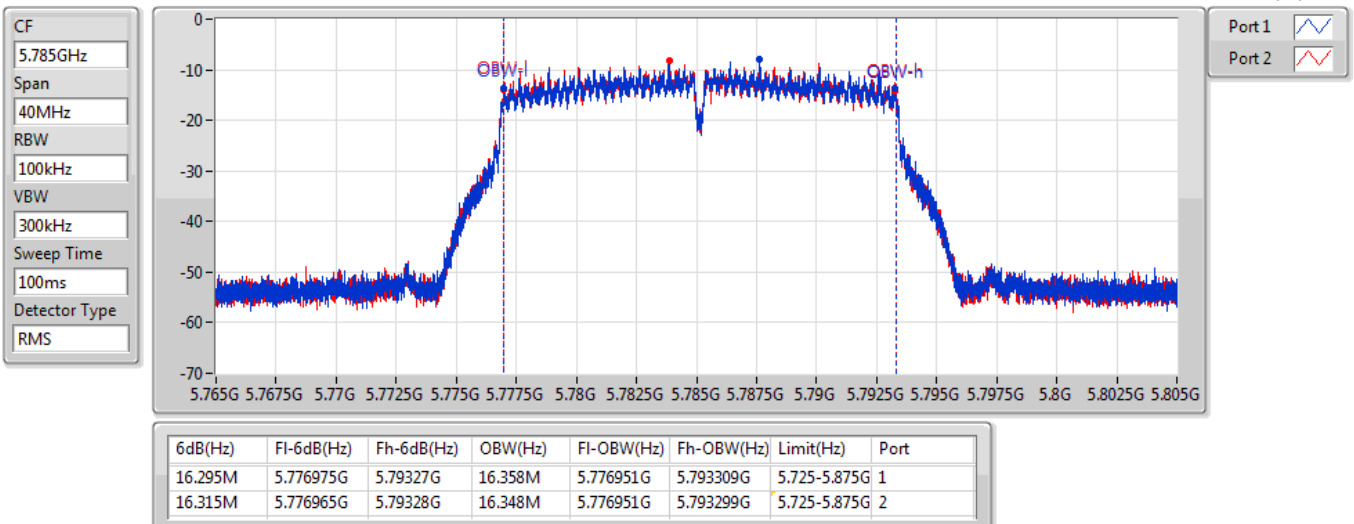


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5785MHz_TmaxVmin

12/05/2022



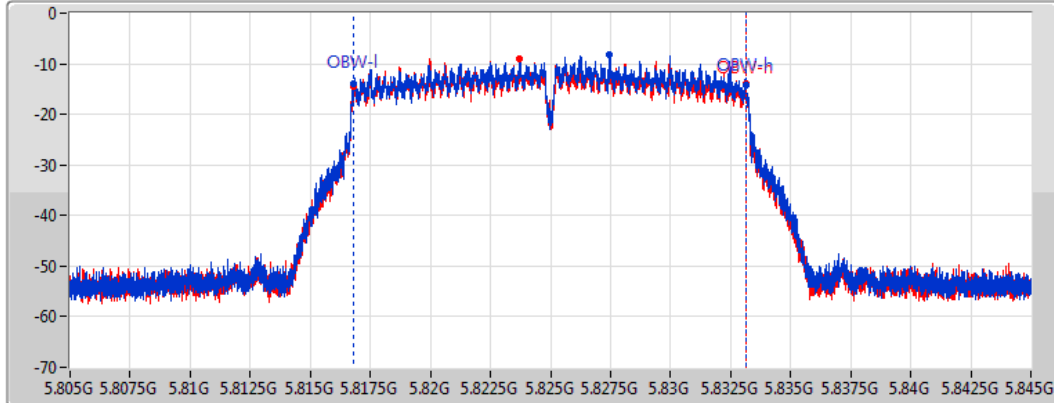
802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5825MHz_TnomVnom

12/05/2022

CF
5.825GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
RMS



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.816825G	5.83315G	16.363M	5.816801G	5.833164G	5.725-5.875G	1
16.305M	5.816825G	5.83313G	16.358M	5.816801G	5.833159G	5.725-5.875G	2

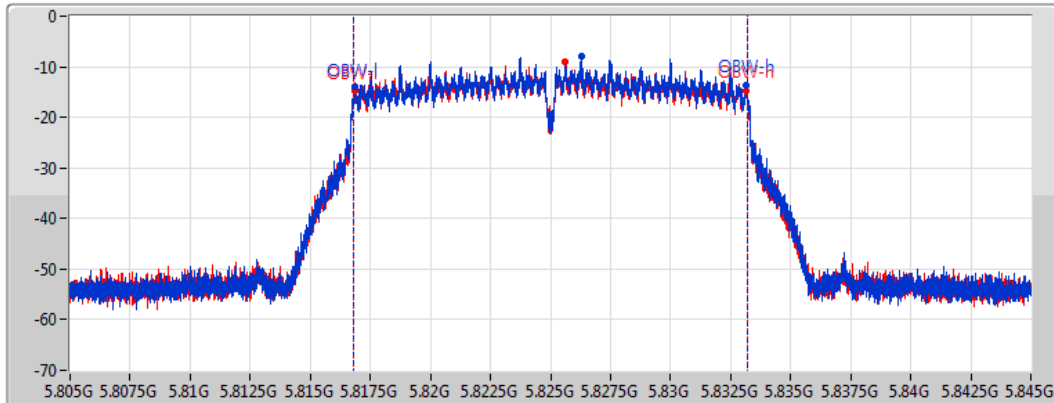
802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5825MHz_TminVmax

13/05/2022

CF
5.825GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
RMS



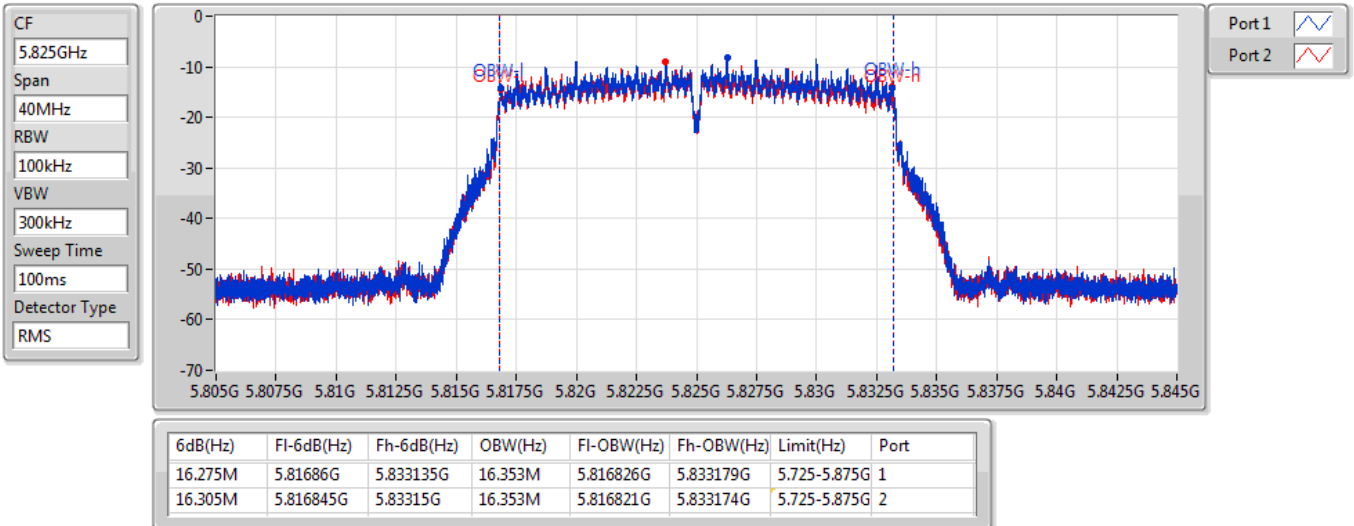
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.25M	5.81688G	5.83313G	16.368M	5.816821G	5.833189G	5.725-5.875G	1
16.31M	5.81684G	5.83315G	16.358M	5.816821G	5.833179G	5.725-5.875G	2

802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5825MHz_TminVmin

13/05/2022

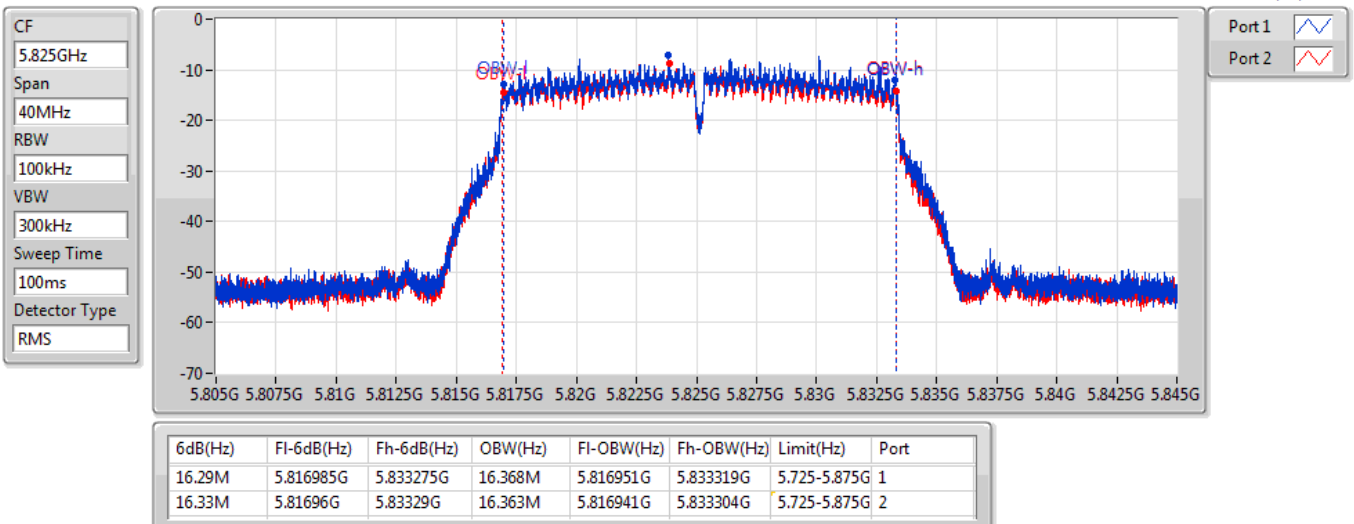


802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5825MHz_TmaxVmax

12/05/2022



802.11a_Nss1,(6Mbps)_2TX

Operating Freq

5825MHz_TmaxVmin

12/05/2022

CF
5.825GHz

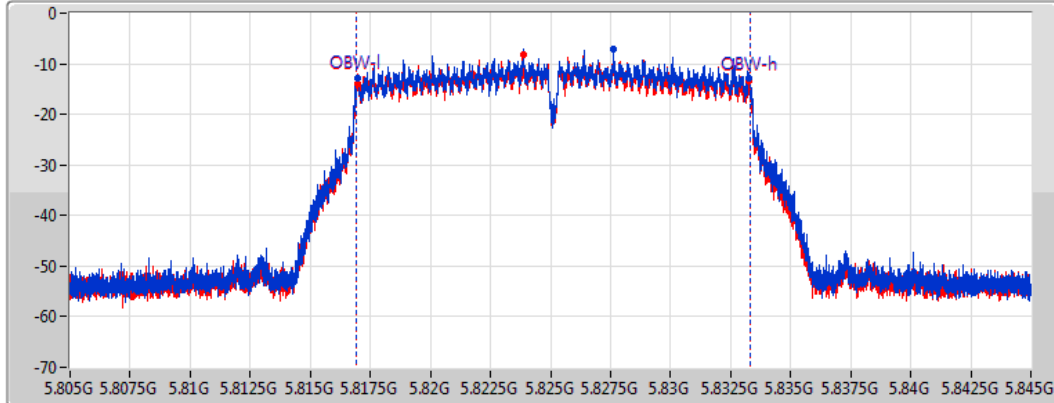
Span
40MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
RMS



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.28M	5.816985G	5.833265G	16.388M	5.816936G	5.833324G	5.725-5.875G	1
16.31M	5.816965G	5.833275G	16.363M	5.816936G	5.833299G	5.725-5.875G	2

802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5745MHz_TnomVnom

12/05/2022

CF
5.745GHz

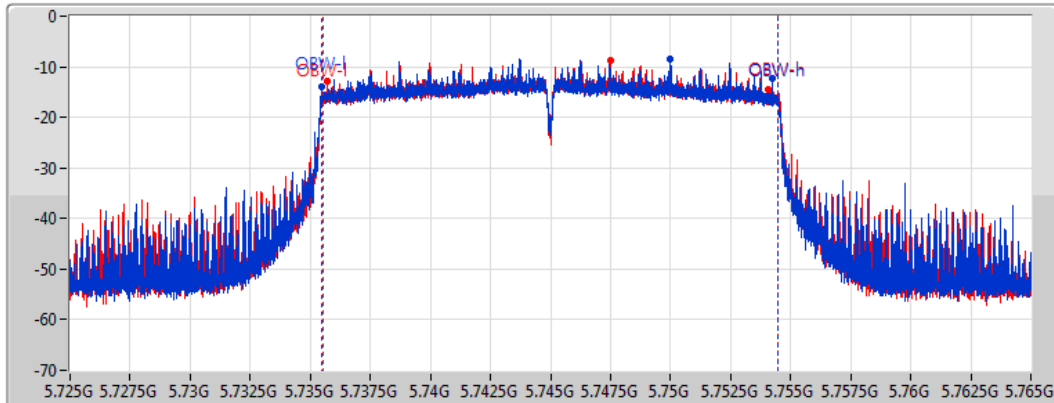
Span
40MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
RMS



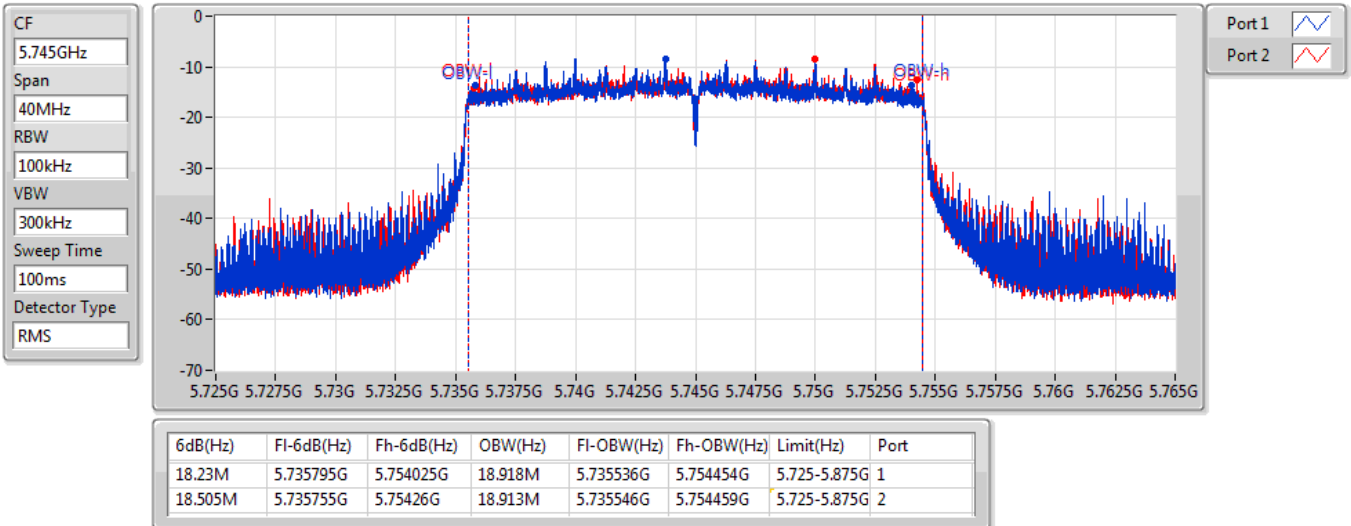
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.76M	5.735475G	5.754235G	18.943M	5.735501G	5.754444G	5.725-5.875G	1
18.375M	5.7357G	5.754075G	18.933M	5.735521G	5.754454G	5.725-5.875G	2

802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5745MHz_TminVmax

13/05/2022

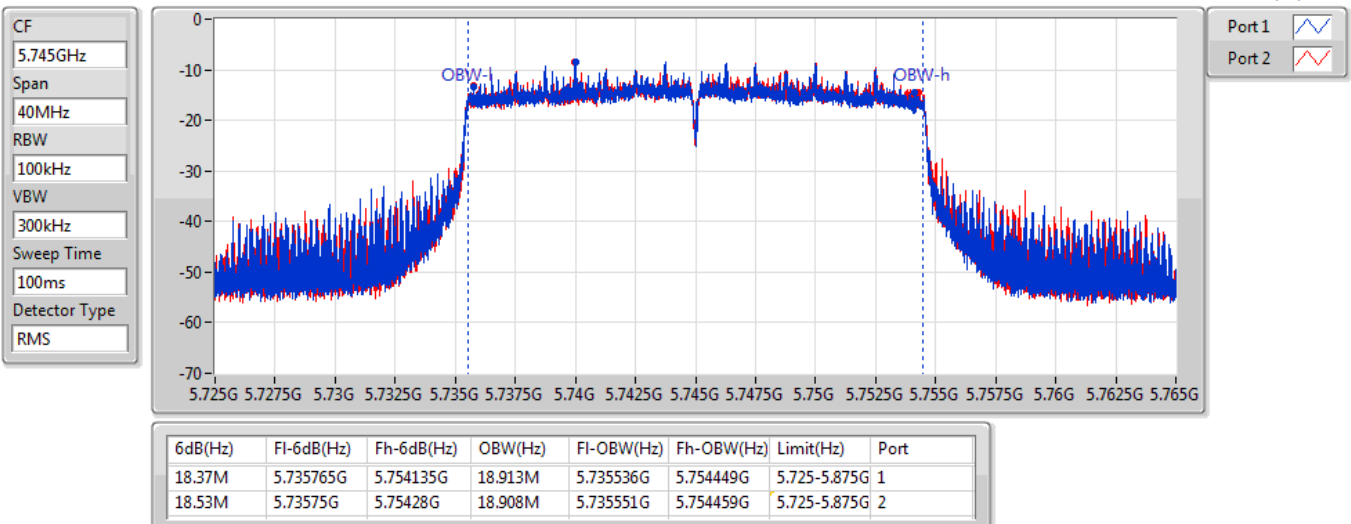


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5745MHz_TminVmin

13/05/2022

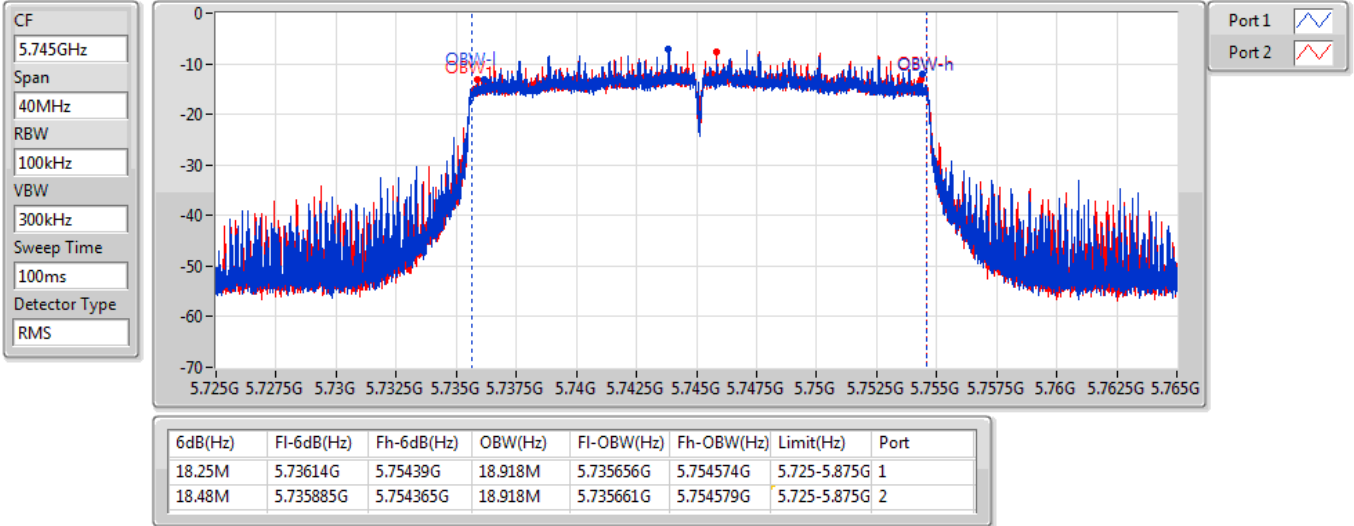


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5745MHz_TmaxVmax

12/05/2022

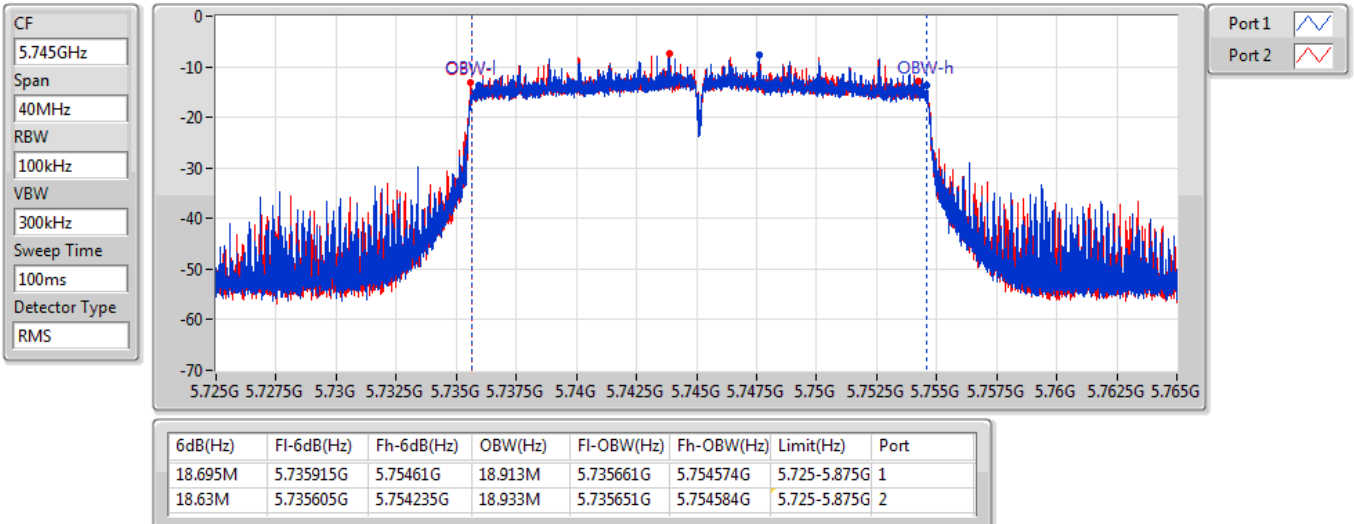


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5745MHz_TmaxVmin

12/05/2022

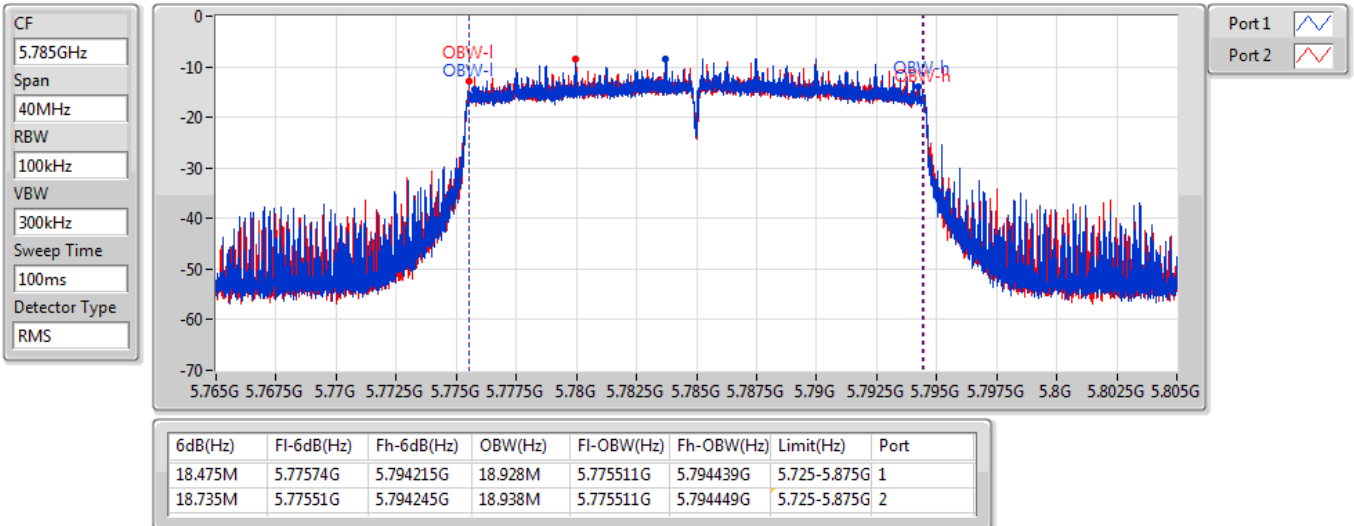


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5785MHz_TnomVnom

12/05/2022

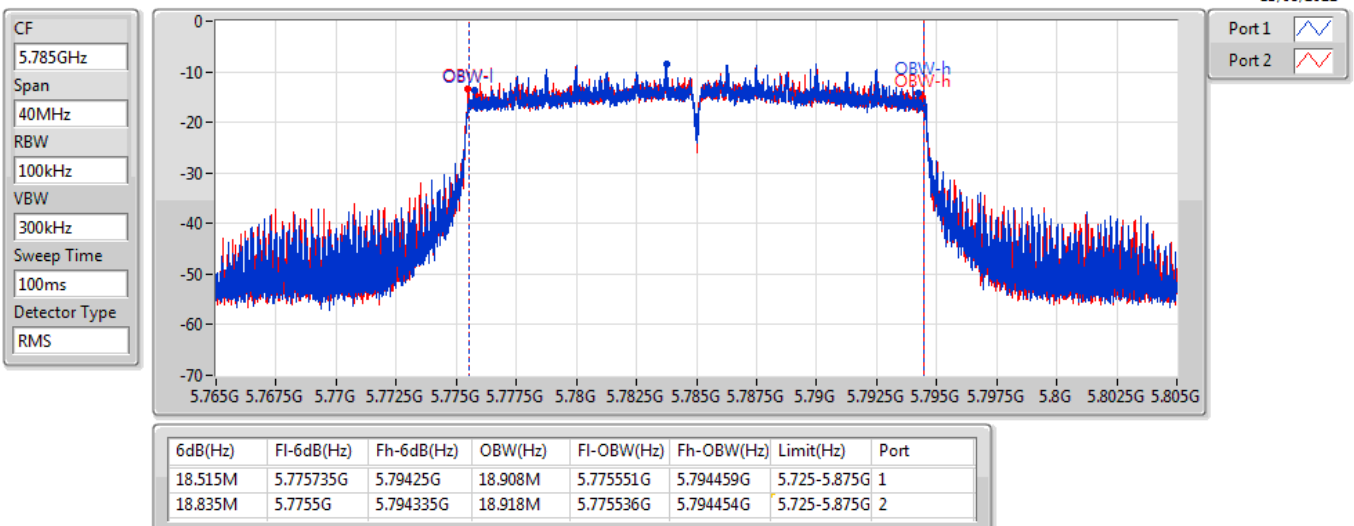


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5785MHz_TminVmax

13/05/2022

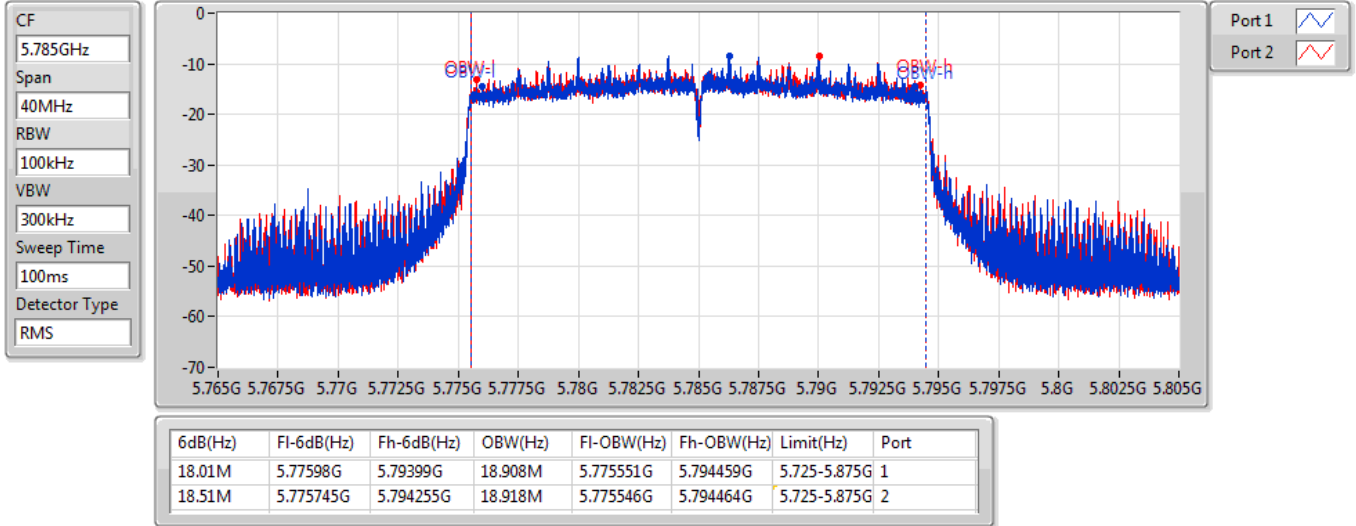


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5785MHz_TminVmin

13/05/2022

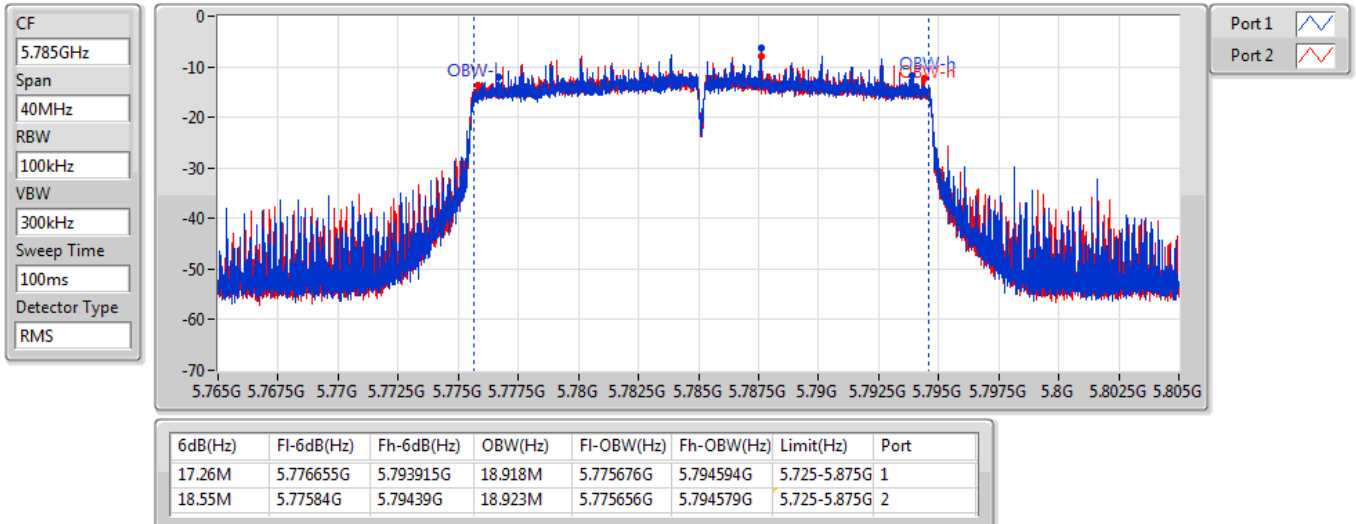


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5785MHz_TmaxVmax

12/05/2022

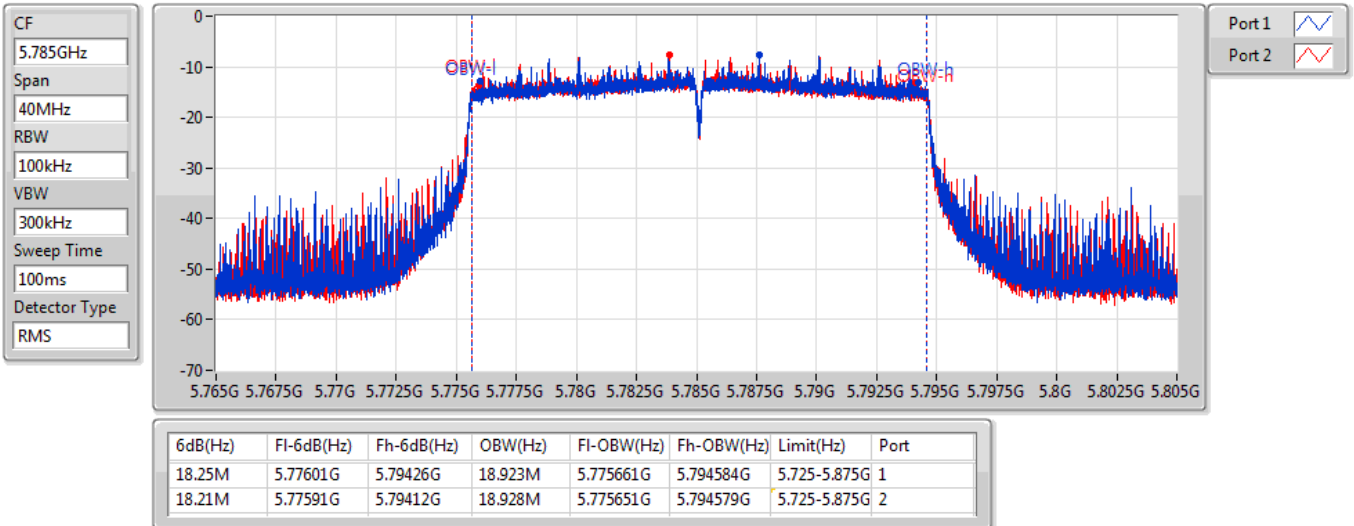


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5785MHz_TmaxVmin

12/05/2022

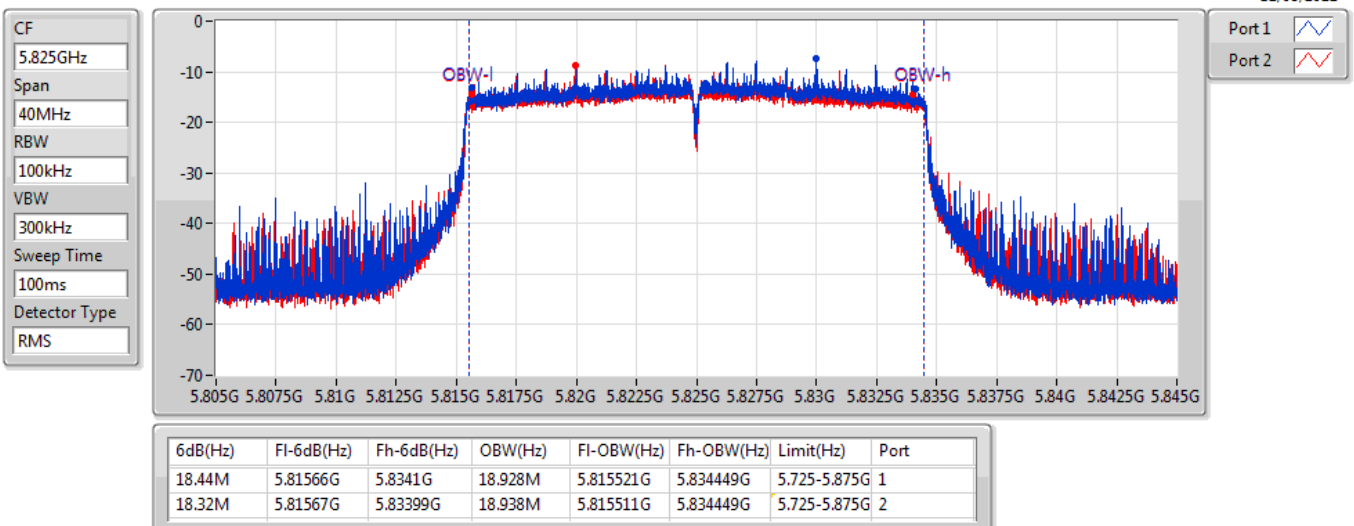


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5825MHz_TnomVnom

12/05/2022

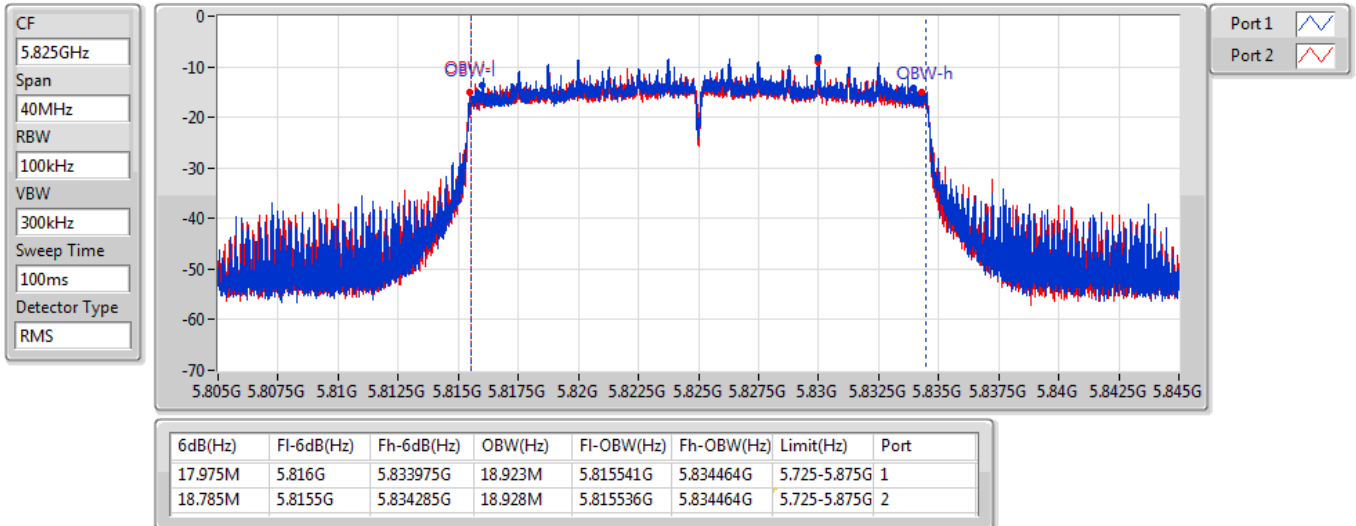


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5825MHz_TminVmax

13/05/2022

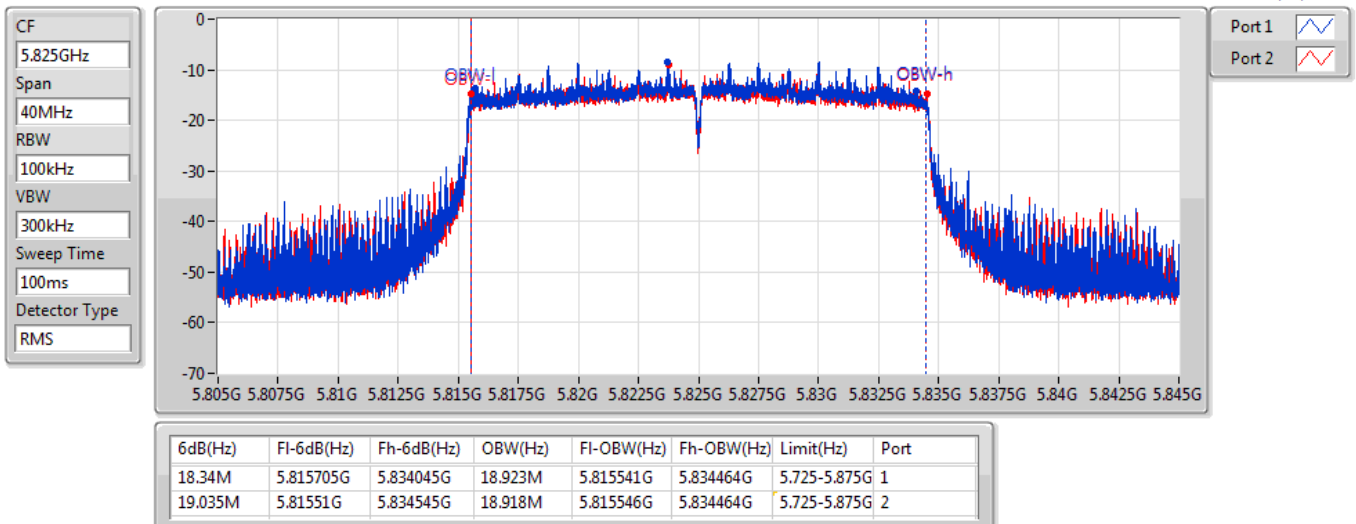


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5825MHz_TminVmin

13/05/2022

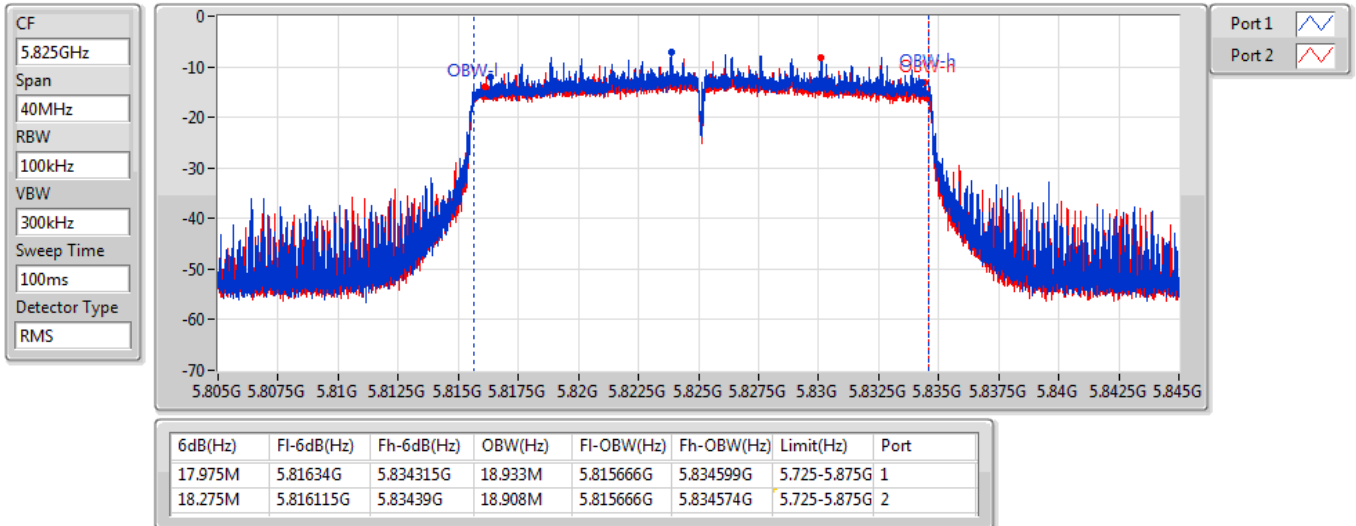


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5825MHz_TmaxVmax

12/05/2022

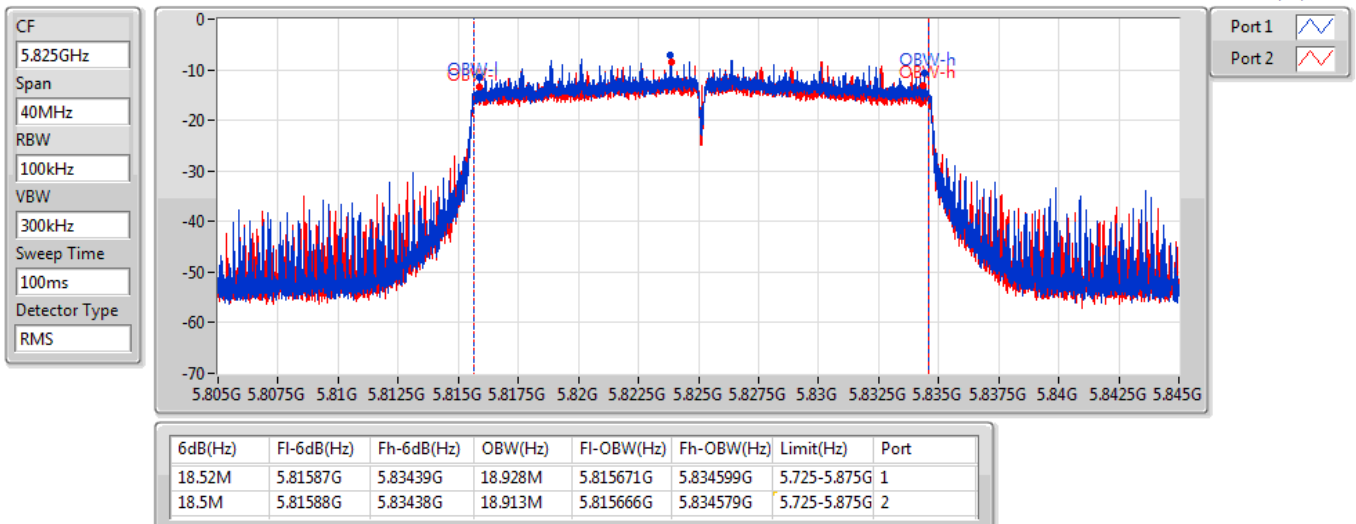


802.11ax HEW20_Nss1,(MCS0)_2TX

Operating Freq

5825MHz_TmaxVmin

12/05/2022

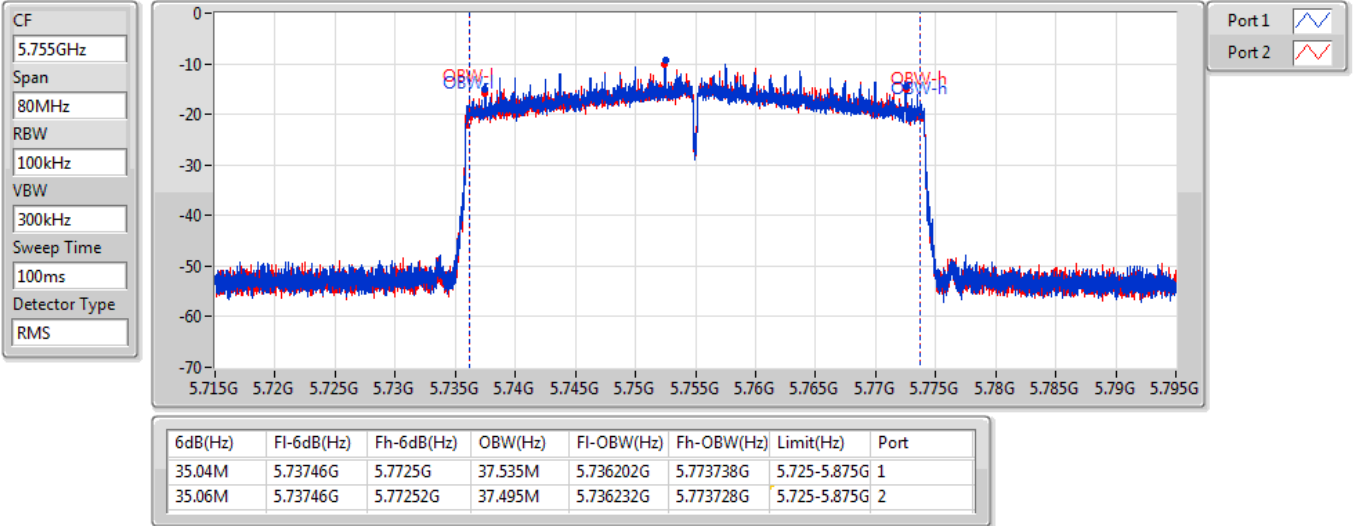


802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5755MHz_TnomVnom

12/05/2022

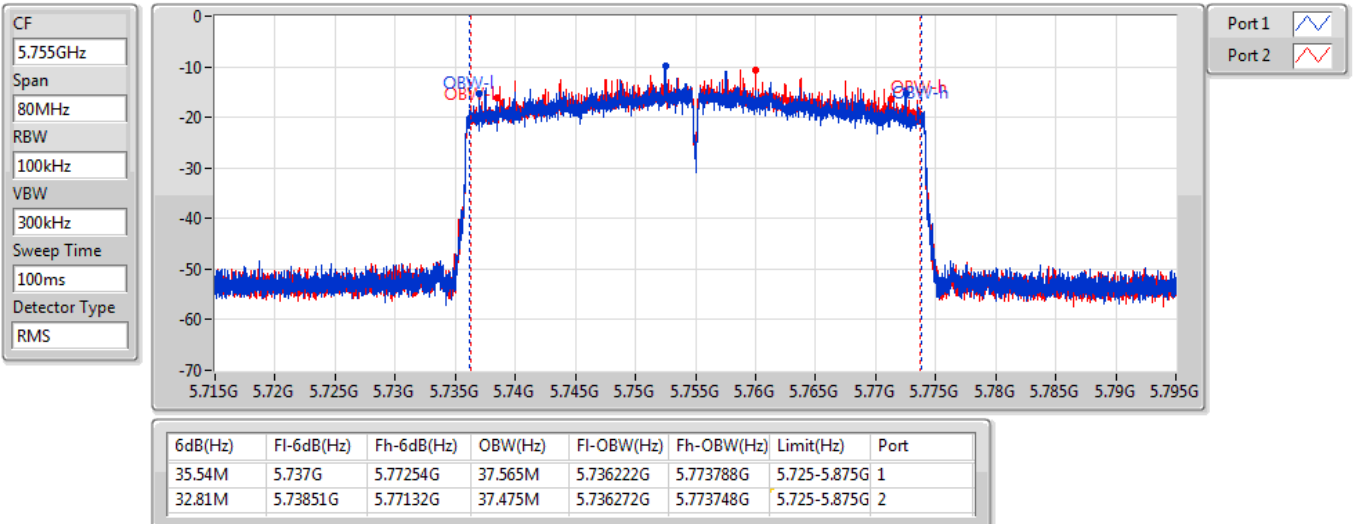


802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5755MHz_TminVmax

13/05/2022

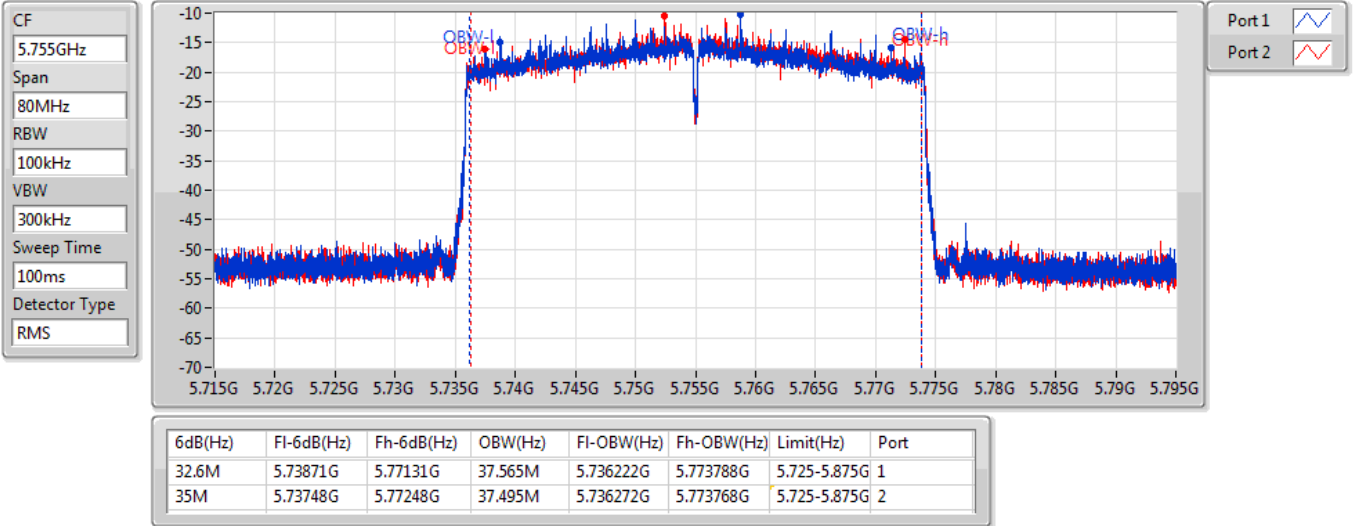


802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5755MHz_TminVmin

13/05/2022

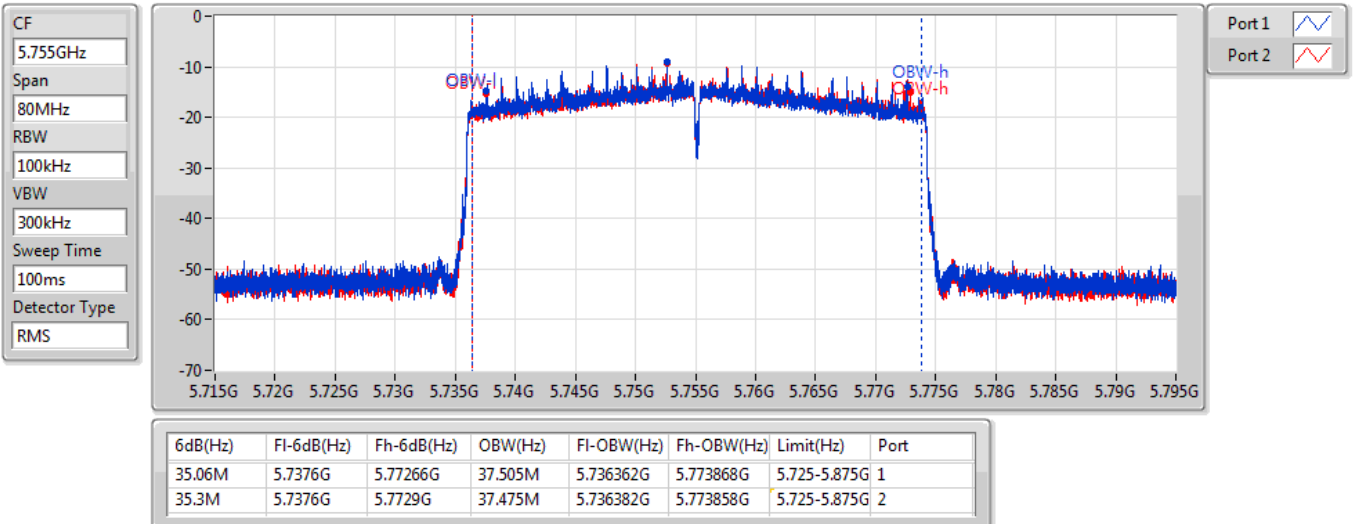


802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5755MHz_TmaxVmax

12/05/2022



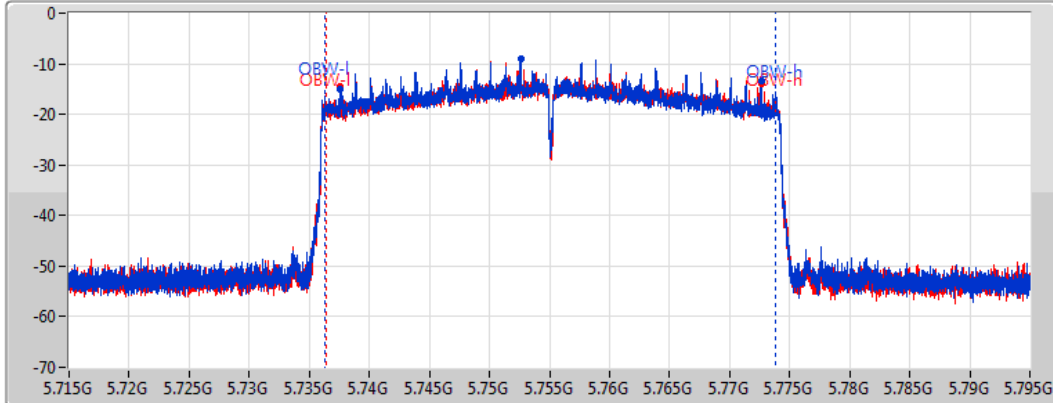
802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5755MHz_TmaxVmin

12/05/2022

CF
5.755GHz
Span
80MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
RMS



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	5.73759G	5.77264G	37.515M	5.736342G	5.773858G	5.725-5.875G	1
35.03M	5.73761G	5.77264G	37.455M	5.736392G	5.773848G	5.725-5.875G	2

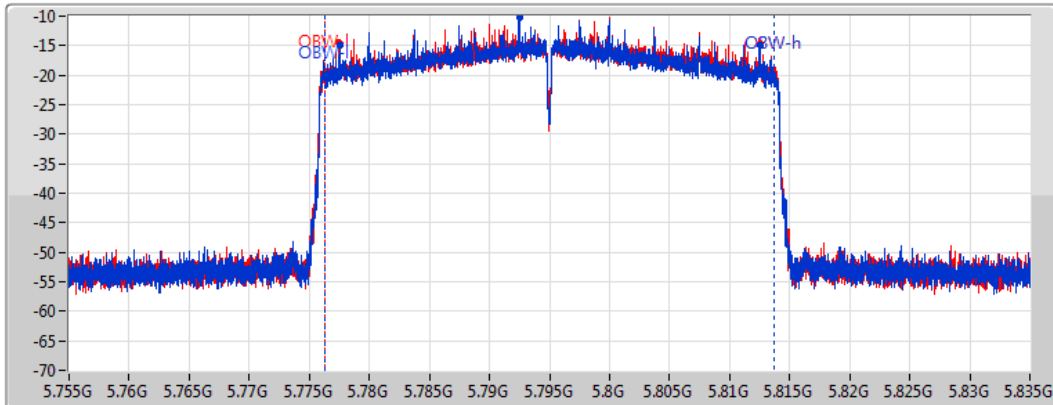
802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5795MHz_TnomVnom

12/05/2022

CF
5.795GHz
Span
80MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
RMS



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	5.77751G	5.81251G	37.415M	5.776242G	5.813658G	5.725-5.875G	1
35.01M	5.7775G	5.81251G	37.475M	5.776252G	5.813728G	5.725-5.875G	2

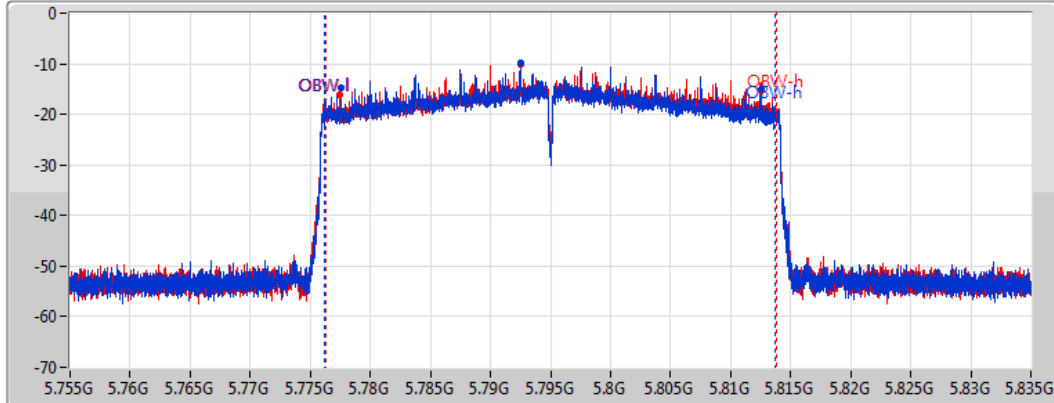
802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5795MHz_TminVmax

13/05/2022

CF
5.795GHz
Span
80MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
RMS



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.98M	5.77755G	5.81253G	37.525M	5.776232G	5.813758G	5.725-5.875G	1
35.06M	5.77748G	5.81254G	37.505M	5.776262G	5.813768G	5.725-5.875G	2

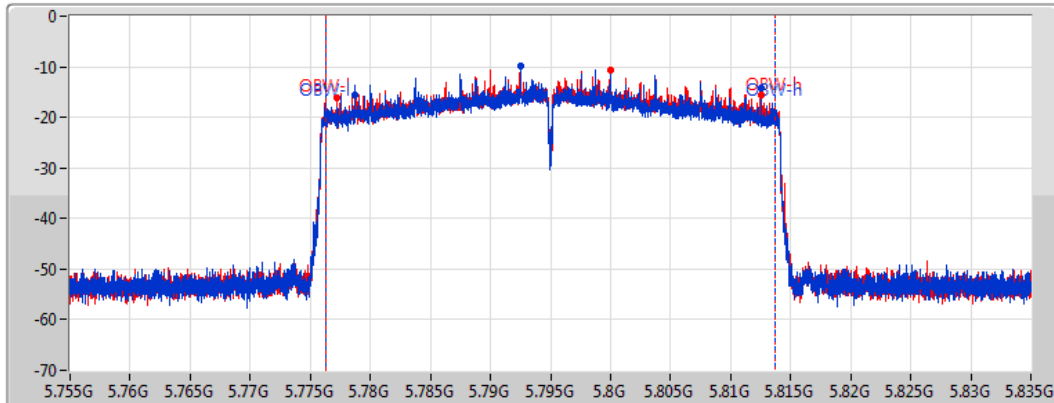
802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5795MHz_TminVmin

13/05/2022

CF
5.795GHz
Span
80MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
RMS



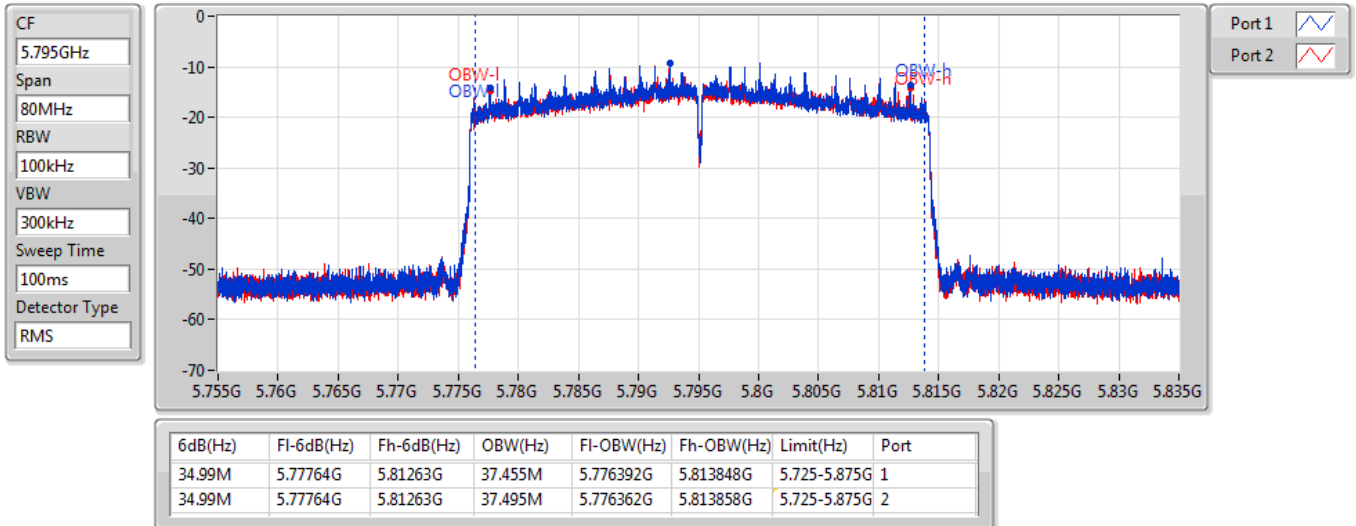
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.83M	5.77869G	5.81252G	37.485M	5.776262G	5.813748G	5.725-5.875G	1
35.3M	5.77723G	5.81253G	37.475M	5.776262G	5.813738G	5.725-5.875G	2

802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5795MHz_TmaxVmax

12/05/2022

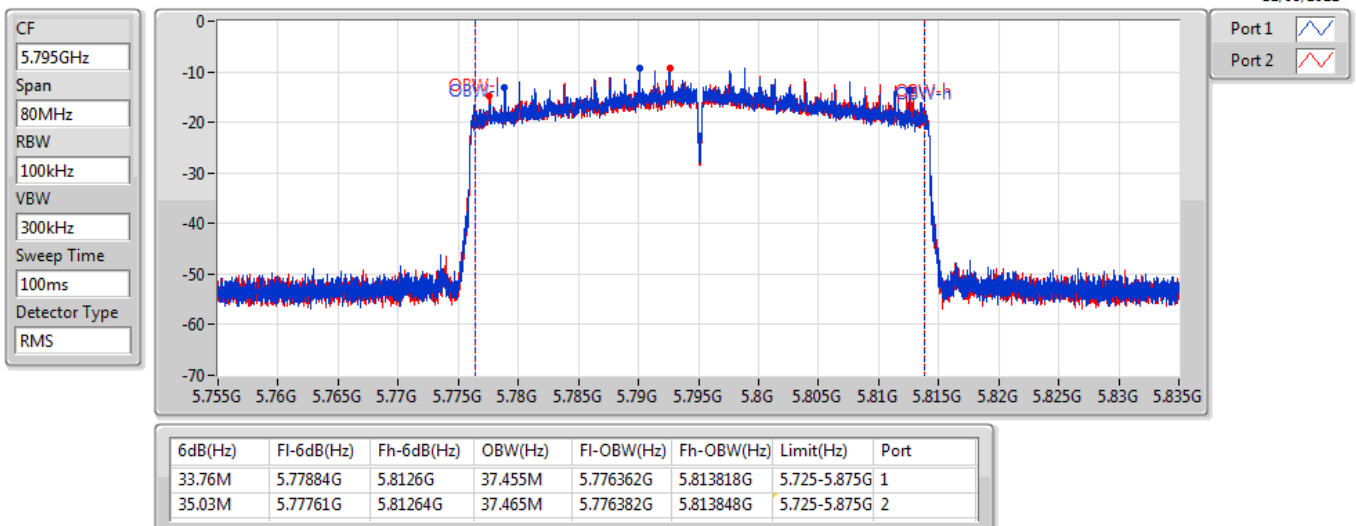


802.11ax HEW40_Nss1,(MCS0)_2TX

Operating Freq

5795MHz_TmaxVmin

12/05/2022

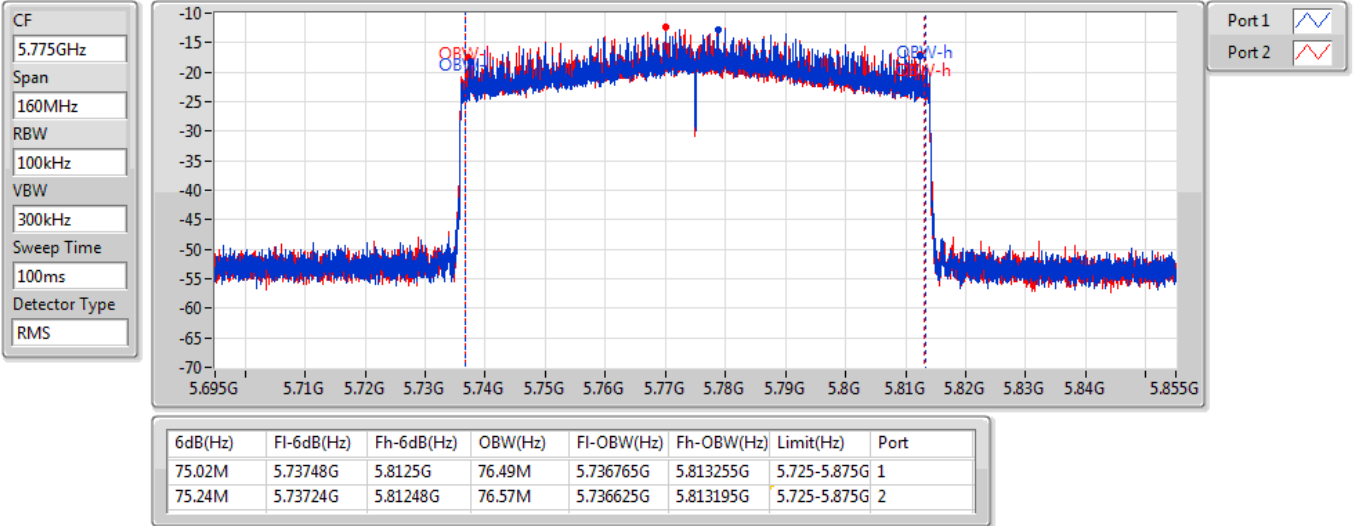


802.11ax HEW80_Nss1,(MCS0)_2TX

Operating Freq

5775MHz_TnomVnom

12/05/2022

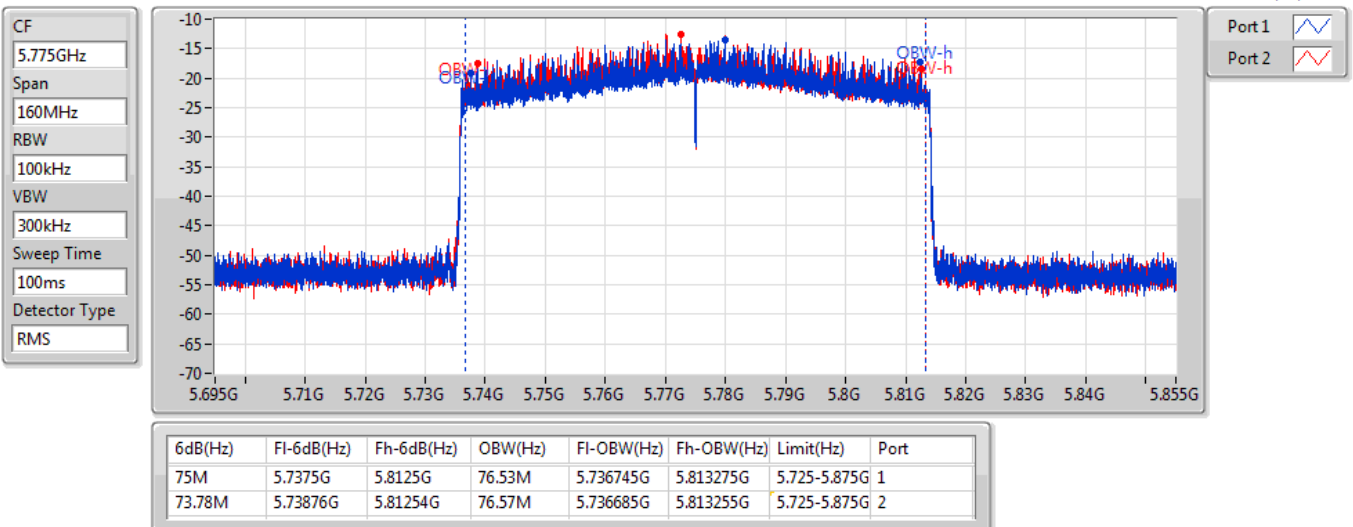


802.11ax HEW80_Nss1,(MCS0)_2TX

Operating Freq

5775MHz_TminVmax

13/05/2022

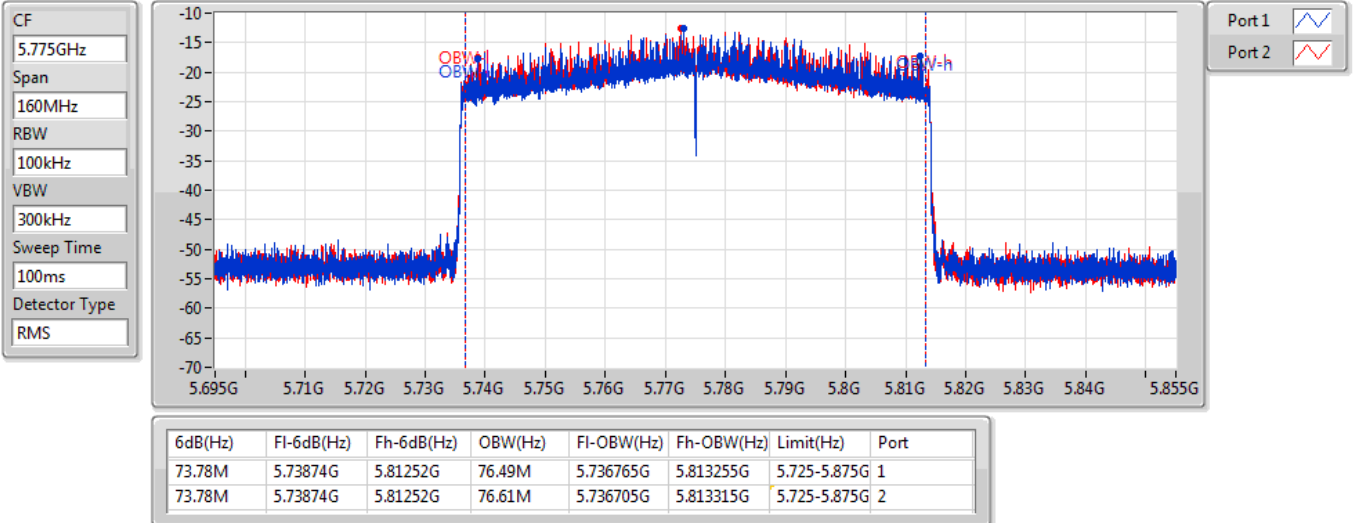


802.11ax HEW80_Nss1,(MCS0)_2TX

Operating Freq

5775MHz_TminVmin

13/05/2022

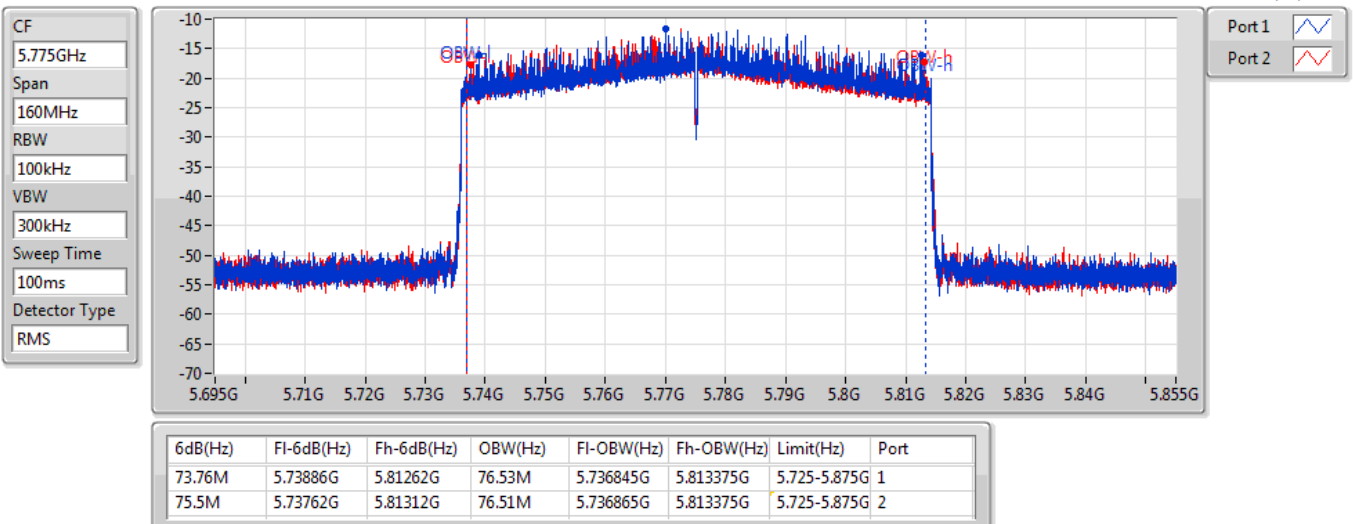


802.11ax HEW80_Nss1,(MCS0)_2TX

Operating Freq

5775MHz_TmaxVmax

12/05/2022

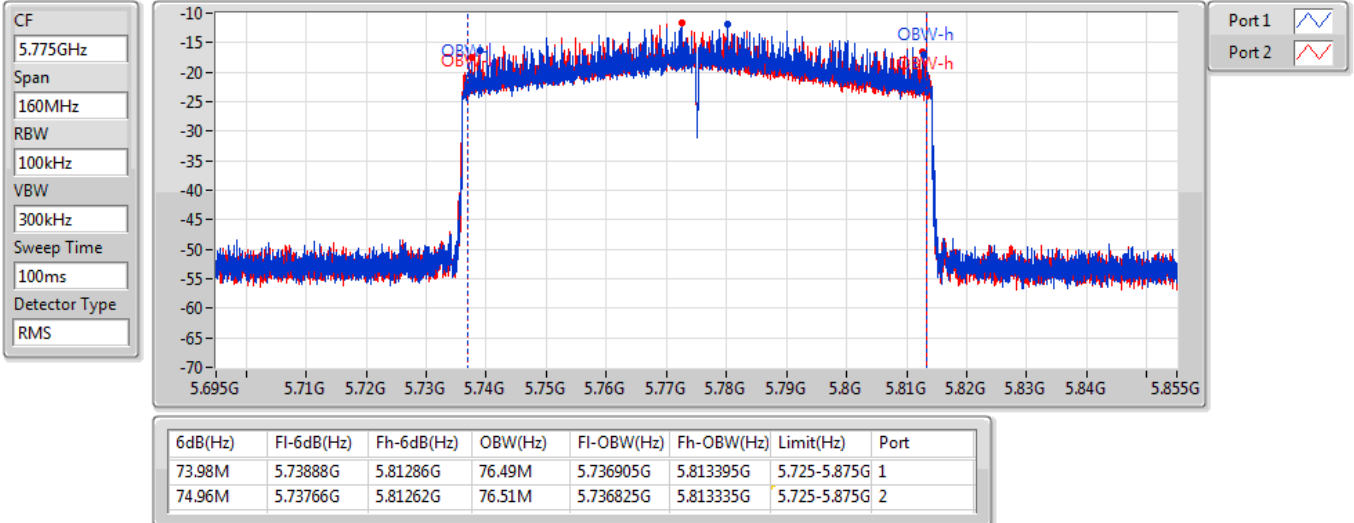


802.11ax HEW80_Nss1,(MCS0)_2TX

Operating Freq

5775MHz_TmaxVmin

12/05/2022





Summary

Mode	EIRP (dBm)	EIRP (W)
5.725-5.875GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	13.95	0.02483
802.11ax HEW20_Nss1,(MCS0)_2TX	13.68	0.02333
802.11ax HEW40_Nss1,(MCS0)_2TX	13.85	0.02427
802.11ax HEW80_Nss1,(MCS0)_2TX	13.85	0.02427

Result

Mode	Result	Gain (dBi)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-
5745MHz_TnomVnom	Pass	5.20	7.52	12.72	13.98	4.57	4.44
5745MHz_TminVmax	Pass	5.20	7.29	12.49	13.98	4.18	4.38
5745MHz_TminVmin	Pass	5.20	7.31	12.51	13.98	4.16	4.44
5745MHz_TmaxVmax	Pass	5.20	8.34	13.54	13.98	5.26	5.39
5745MHz_TmaxVmin	Pass	5.20	8.31	13.51	13.98	5.30	5.30
5785MHz_TnomVnom	Pass	5.20	7.61	12.81	13.98	4.57	4.63
5785MHz_TminVmax	Pass	5.20	7.29	12.49	13.98	4.22	4.33
5785MHz_TminVmin	Pass	5.20	7.30	12.50	13.98	4.19	4.39
5785MHz_TmaxVmax	Pass	5.20	8.29	13.49	13.98	5.26	5.30
5785MHz_TmaxVmin	Pass	5.20	8.26	13.46	13.98	5.22	5.28
5825MHz_TnomVnom	Pass	5.20	8.11	13.31	13.98	5.47	4.70
5825MHz_TminVmax	Pass	5.20	7.67	12.87	13.98	4.81	4.51
5825MHz_TminVmin	Pass	5.20	7.66	12.86	13.98	4.88	4.40
5825MHz_TmaxVmax	Pass	5.20	8.75	13.95	13.98	6.12	5.33
5825MHz_TmaxVmin	Pass	5.20	8.74	13.94	13.98	6.03	5.40
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5745MHz_TnomVnom	Pass	5.20	7.83	13.03	13.98	4.75	4.88
5745MHz_TminVmax	Pass	5.20	7.47	12.67	13.98	4.38	4.53
5745MHz_TminVmin	Pass	5.20	7.47	12.67	13.98	4.38	4.54
5745MHz_TmaxVmax	Pass	5.20	8.43	13.63	13.98	5.36	5.48
5745MHz_TmaxVmin	Pass	5.20	8.44	13.64	13.98	5.37	5.48
5785MHz_TnomVnom	Pass	5.20	7.78	12.98	13.98	4.75	4.78
5785MHz_TminVmax	Pass	5.20	7.47	12.67	13.98	4.43	4.49
5785MHz_TminVmin	Pass	5.20	7.46	12.66	13.98	4.36	4.53
5785MHz_TmaxVmax	Pass	5.20	8.48	13.68	13.98	5.47	5.46
5785MHz_TmaxVmin	Pass	5.20	8.41	13.61	13.98	5.40	5.39
5825MHz_TnomVnom	Pass	5.20	7.76	12.96	13.98	5.08	4.39
5825MHz_TminVmax	Pass	5.20	7.31	12.51	13.98	4.48	4.12
5825MHz_TminVmin	Pass	5.20	7.36	12.56	13.98	4.58	4.10
5825MHz_TmaxVmax	Pass	5.20	8.43	13.63	13.98	5.76	5.04
5825MHz_TmaxVmin	Pass	5.20	8.48	13.68	13.98	5.70	5.22
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5755MHz_TnomVnom	Pass	5.20	8.13	13.33	13.98	5.04	5.19
5755MHz_TminVmax	Pass	5.20	7.82	13.02	13.98	4.58	5.02
5755MHz_TminVmin	Pass	5.20	7.73	12.93	13.98	4.43	4.99
5755MHz_TmaxVmax	Pass	5.20	8.65	13.85	13.98	5.68	5.60
5755MHz_TmaxVmin	Pass	5.20	8.60	13.80	13.98	5.60	5.58
5795MHz_TnomVnom	Pass	5.20	8.02	13.22	13.98	4.89	5.13
5795MHz_TminVmax	Pass	5.20	7.81	13.01	13.98	4.66	4.94
5795MHz_TminVmin	Pass	5.20	7.78	12.98	13.98	4.57	4.96
5795MHz_TmaxVmax	Pass	5.20	8.57	13.77	13.98	5.67	5.45
5795MHz_TmaxVmin	Pass	5.20	8.58	13.78	13.98	5.66	5.47
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5775MHz_TnomVnom	Pass	5.20	7.97	13.17	13.98	4.96	4.96
5775MHz_TminVmax	Pass	5.20	7.61	12.81	13.98	4.47	4.73
5775MHz_TminVmin	Pass	5.20	7.65	12.85	13.98	4.52	4.76
5775MHz_TmaxVmax	Pass	5.20	8.61	13.81	13.98	5.66	5.54
5775MHz_TmaxVmin	Pass	5.20	8.65	13.85	13.98	5.66	5.61

Port X = Port X output power; Total Power = Total power measure all transmit ports simultaneously.



Summary

Mode	EIRP (dBm)	EIRP (W)
5.725-5.875GHz	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_2TX	13.60	0.02291
802.11ax HEW40-BF_Nss2,(MCS0)_2TX	13.79	0.02393
802.11ax HEW80-BF_Nss2,(MCS0)_2TX	13.81	0.02404

Result

Mode	Result	Gain (dBi)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)
802.11ax HEW20-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5745MHz_TnomVnom	Pass	8.21	4.74	12.95	13.98	1.80	1.65
5745MHz_TminVmax	Pass	8.21	4.28	12.49	13.98	1.35	1.19
5745MHz_TminVmin	Pass	8.21	4.49	12.70	13.98	1.43	1.52
5745MHz_TmaxVmax	Pass	8.21	5.36	13.57	13.98	2.35	2.35
5745MHz_TmaxVmin	Pass	8.21	5.34	13.55	13.98	2.33	2.32
5785MHz_TnomVnom	Pass	8.21	4.65	12.86	13.98	1.55	1.73
5785MHz_TminVmax	Pass	8.21	4.23	12.44	13.98	1.18	1.26
5785MHz_TminVmin	Pass	8.21	4.23	12.44	13.98	1.15	1.28
5785MHz_TmaxVmax	Pass	8.21	5.32	13.53	13.98	2.46	2.16
5785MHz_TmaxVmin	Pass	8.21	5.37	13.58	13.98	2.37	2.34
5825MHz_TnomVnom	Pass	8.21	4.62	12.83	13.98	1.83	1.38
5825MHz_TminVmax	Pass	8.21	4.21	12.42	13.98	1.28	1.12
5825MHz_TminVmin	Pass	8.21	4.05	12.26	13.98	1.27	0.80
5825MHz_TmaxVmax	Pass	8.21	5.38	13.59	13.98	2.72	1.99
5825MHz_TmaxVmin	Pass	8.21	5.39	13.60	13.98	2.46	2.29
802.11ax HEW40-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5755MHz_TnomVnom	Pass	8.21	4.98	13.19	13.98	2.04	1.89
5755MHz_TminVmax	Pass	8.21	4.84	13.05	13.98	1.54	2.11
5755MHz_TminVmin	Pass	8.21	4.57	12.78	13.98	1.10	1.97
5755MHz_TmaxVmax	Pass	8.21	5.58	13.79	13.98	2.55	2.58
5755MHz_TmaxVmin	Pass	8.21	5.54	13.75	13.98	2.68	2.37
5795MHz_TnomVnom	Pass	8.21	4.88	13.09	13.98	1.95	1.78
5795MHz_TminVmax	Pass	8.21	4.69	12.90	13.98	1.72	1.64
5795MHz_TminVmin	Pass	8.21	4.48	12.69	13.98	1.22	1.71
5795MHz_TmaxVmax	Pass	8.21	5.42	13.63	13.98	2.52	2.30
5795MHz_TmaxVmin	Pass	8.21	5.47	13.68	13.98	2.66	2.24
802.11ax HEW80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5775MHz_TnomVnom	Pass	8.21	4.85	13.06	13.98	1.91	1.76
5775MHz_TminVmax	Pass	8.21	4.60	12.81	13.98	1.37	1.79
5775MHz_TminVmin	Pass	8.21	4.55	12.76	13.98	1.47	1.61
5775MHz_TmaxVmax	Pass	8.21	5.48	13.69	13.98	2.61	2.33
5775MHz_TmaxVmin	Pass	8.21	5.60	13.81	13.98	2.56	2.61

Port X = Port X output power; Total Power = Total power measure all transmit ports simultaneously.



Summary

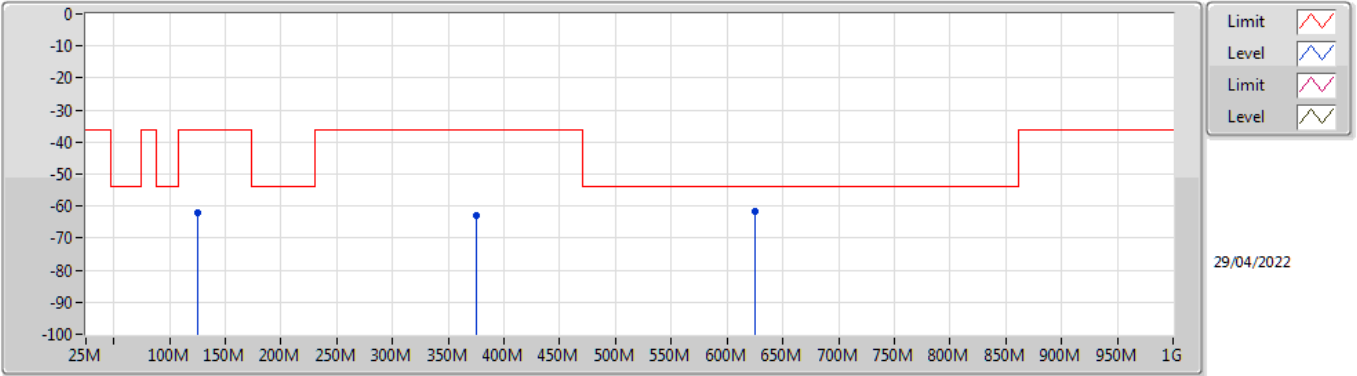
Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.875GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	624.99M	-59.68	-54.00	-5.68	8.25	3	Horizontal	360	1.5	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz_TX	Pass	PK	124.94M	-62.00	-36.00	-26.00	1.52	3	Vertical	0	1.5	-
5775MHz_TX	Pass	PK	375.03M	-62.94	-36.00	-26.94	3.55	3	Vertical	0	1.5	-
5775MHz_TX	Pass	PK	624.99M	-61.82	-54.00	-7.82	8.01	3	Vertical	0	1.5	-
5775MHz_TX	Pass	PK	249.98M	-60.62	-36.00	-24.62	1.66	3	Horizontal	360	1.5	-
5775MHz_TX	Pass	PK	375.03M	-58.70	-36.00	-22.70	2.75	3	Horizontal	360	1.5	-
5775MHz_TX	Pass	PK	624.99M	-59.68	-54.00	-5.68	8.25	3	Horizontal	360	1.5	-

802.11ax HEW80_Nss1,(MCS0)_2TX

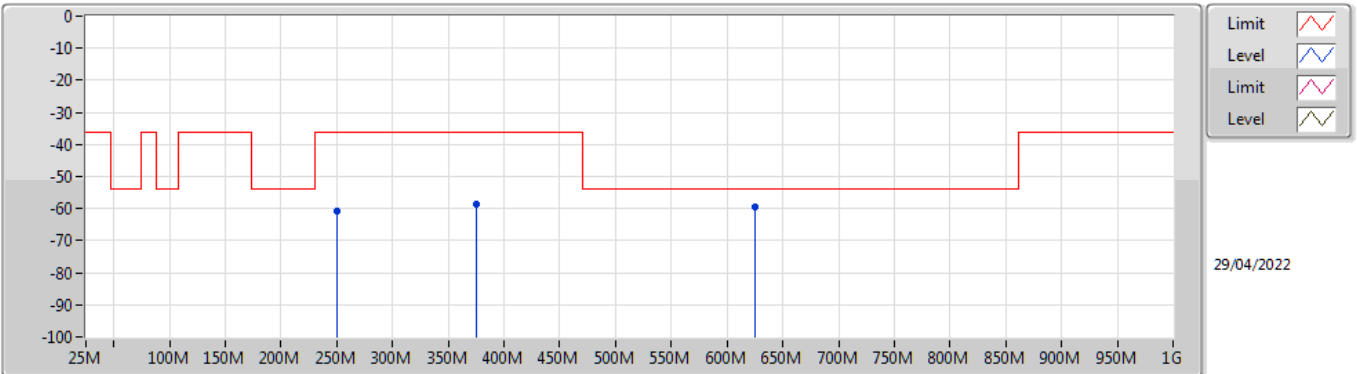
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
PK	124.94M	-62.00	-36.00	-26.00	1.52	3	Vertical	0	1.5	-	-63.52	27.71	1.60	27.79
PK	375.03M	-62.94	-36.00	-26.94	3.55	3	Vertical	0	1.5	-	-66.49	28.49	2.71	27.65
PK	624.99M	-61.82	-54.00	-7.82	8.01	3	Vertical	0	1.5	-	-69.83	33.03	3.45	28.47

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
PK	249.98M	-60.62	-36.00	-24.62	1.66	3	Horizontal	360	1.5	-	-62.28	26.50	2.24	27.08
PK	375.03M	-58.70	-36.00	-22.70	2.75	3	Horizontal	360	1.5	-	-61.45	27.69	2.71	27.65
PK	624.99M	-59.68	-54.00	-5.68	8.25	3	Horizontal	360	1.5	-	-67.93	33.27	3.45	28.47

**Summary**

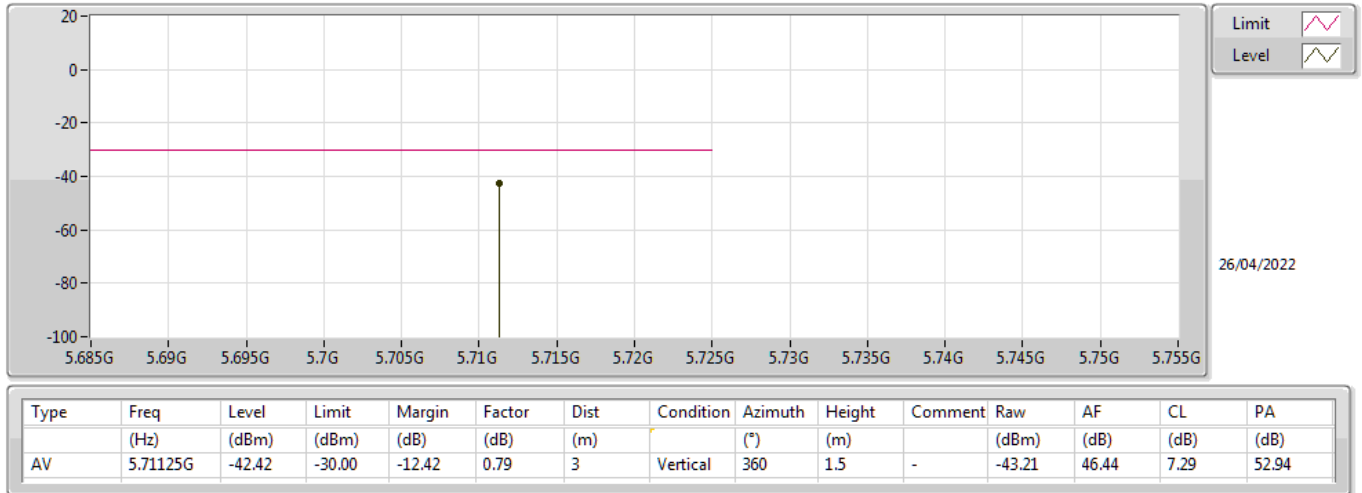
Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.875GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.877G	-31.34	-30.00	-1.34	2.08	3	Horizontal	0	1.5	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.8759G	-30.92	-30.00	-0.92	2.08	3	Horizontal	0	1.5	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.7191G	-31.00	-30.00	-1.00	2.16	3	Horizontal	360	1.5	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.7248G	-31.47	-30.00	-1.47	2.10	3	Horizontal	360	1.5	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz_TX	Pass	AV	5.71125G	-42.42	-30.00	-12.42	0.79	3	Vertical	360	1.5	-
5745MHz_TX	Pass	AV	5.72455G	-31.87	-30.00	-1.87	2.10	3	Horizontal	0	1.5	-
5745MHz_TX	Pass	AV	11.49258G	-52.21	-30.00	-22.21	4.95	3	Vertical	0	1.5	-
5745MHz_TX	Pass	AV	17.22821G	-47.39	-30.00	-17.39	14.99	3	Vertical	0	1.5	-
5745MHz_TX	Pass	AV	11.4873G	-56.36	-30.00	-26.36	4.23	3	Horizontal	360	1.5	-
5745MHz_TX	Pass	AV	17.24317G	-46.70	-30.00	-16.70	15.14	3	Horizontal	360	1.5	-
5825MHz_TX	Pass	AV	5.8756G	-40.81	-30.00	-10.81	0.75	3	Vertical	360	1.5	-
5825MHz_TX	Pass	AV	5.877G	-31.34	-30.00	-1.34	2.08	3	Horizontal	0	1.5	-
5825MHz_TX	Pass	AV	11.64703G	-37.37	-30.00	-7.37	6.11	3	Vertical	360	1.5	-
5825MHz_TX	Pass	AV	17.47286G	-45.57	-30.00	-15.57	13.10	3	Vertical	360	1.5	-
5825MHz_TX	Pass	AV	11.64967G	-45.52	-30.00	-15.52	5.33	3	Horizontal	0	1.5	-
5825MHz_TX	Pass	AV	17.47286G	-44.04	-30.00	-14.04	13.10	3	Horizontal	0	1.5	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz_TX	Pass	AV	5.72483G	-41.34	-30.00	-11.34	0.59	3	Vertical	0	1.5	-
5745MHz_TX	Pass	AV	5.72476G	-30.95	-30.00	-0.95	2.10	3	Horizontal	360	1.5	-
5745MHz_TX	Pass	AV	11.49488G	-58.90	-30.00	-28.90	4.97	3	Vertical	0	1.5	-
5745MHz_TX	Pass	AV	17.2355G	-52.73	-30.00	-22.73	15.07	3	Vertical	0	1.5	-
5745MHz_TX	Pass	AV	11.4935G	-60.48	-30.00	-30.48	4.23	3	Horizontal	360	1.5	-
5745MHz_TX	Pass	AV	17.22725G	-52.32	-30.00	-22.32	14.98	3	Horizontal	360	1.5	-
5825MHz_TX	Pass	AV	5.8752G	-40.08	-30.00	-10.08	0.75	3	Vertical	360	1.5	-
5825MHz_TX	Pass	AV	5.8759G	-30.92	-30.00	-0.92	2.08	3	Horizontal	0	1.5	-
5825MHz_TX	Pass	AV	11.65438G	-40.89	-30.00	-10.89	6.26	3	Vertical	360	1.5	-
5825MHz_TX	Pass	AV	17.48025G	-48.18	-30.00	-18.18	13.01	3	Vertical	360	1.5	-
5825MHz_TX	Pass	AV	11.653G	-50.31	-30.00	-20.31	5.39	3	Horizontal	0	1.5	-
5825MHz_TX	Pass	AV	17.4775G	-49.25	-30.00	-19.25	13.04	3	Horizontal	0	1.5	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5755MHz_TX	Pass	AV	5.7243G	-42.57	-30.00	-12.57	0.60	3	Vertical	0	1.5	-
5755MHz_TX	Pass	AV	5.7191G	-31.00	-30.00	-1.00	2.16	3	Horizontal	360	1.5	-
5755MHz_TX	Pass	AV	11.51688G	-56.33	-30.00	-26.33	5.05	3	Vertical	0	1.5	-
5755MHz_TX	Pass	AV	17.27263G	-50.63	-30.00	-20.63	15.43	3	Vertical	0	1.5	-
5755MHz_TX	Pass	AV	11.52238G	-58.83	-30.00	-28.83	4.29	3	Horizontal	360	1.5	-
5755MHz_TX	Pass	AV	17.27263G	-50.29	-30.00	-20.29	15.44	3	Horizontal	360	1.5	-
5795MHz_TX	Pass	AV	5.87886G	-40.89	-30.00	-10.89	0.74	3	Vertical	360	1.5	-
5795MHz_TX	Pass	AV	5.87544G	-31.83	-30.00	-1.83	2.08	3	Horizontal	0	1.5	-
5795MHz_TX	Pass	AV	11.5925G	-43.58	-30.00	-13.58	5.22	3	Vertical	360	1.5	-
5795MHz_TX	Pass	AV	17.384G	-50.35	-30.00	-20.35	14.29	3	Vertical	360	1.5	-
5795MHz_TX	Pass	AV	11.59525G	-52.40	-30.00	-22.40	4.48	3	Horizontal	0	1.5	-
5795MHz_TX	Pass	AV	17.39363G	-49.80	-30.00	-19.80	14.16	3	Horizontal	0	1.5	-
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz_TX	Pass	AV	5.72386G	-42.07	-30.00	-12.07	0.60	3	Vertical	0	1.5	-
5775MHz_TX	Pass	AV	5.88037G	-42.45	-30.00	-12.45	0.73	3	Vertical	0	1.5	-
5775MHz_TX	Pass	AV	5.7248G	-31.47	-30.00	-1.47	2.10	3	Horizontal	360	1.5	-
5775MHz_TX	Pass	AV	5.87567G	-39.05	-30.00	-9.05	2.08	3	Horizontal	360	1.5	-
5775MHz_TX	Pass	AV	11.52375G	-57.09	-30.00	-27.09	5.06	3	Vertical	0	1.5	-
5775MHz_TX	Pass	AV	17.32075G	-50.42	-30.00	-20.42	15.36	3	Vertical	0	1.5	-
5775MHz_TX	Pass	AV	11.54713G	-58.65	-30.00	-28.65	4.35	3	Horizontal	360	1.5	-
5775MHz_TX	Pass	AV	17.33313G	-49.92	-30.00	-19.92	15.18	3	Horizontal	360	1.5	-

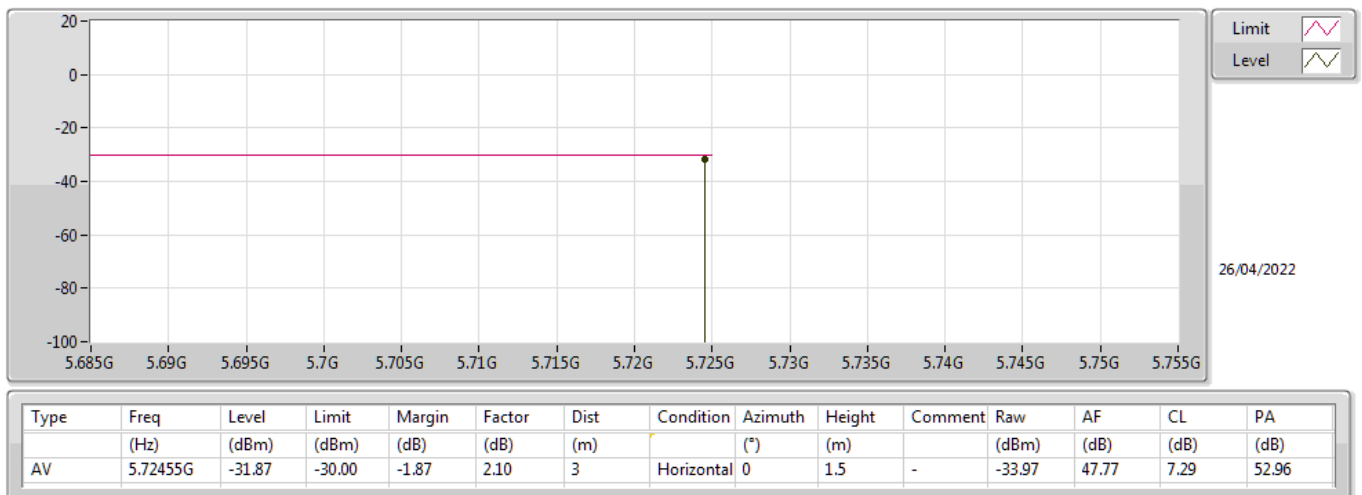
802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX



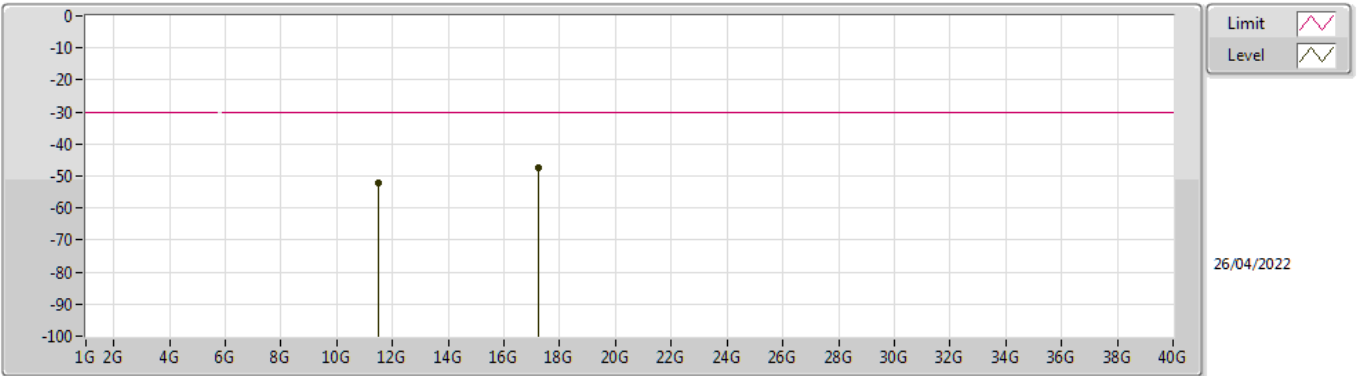
802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX



802.11a_Nss1,(6Mbps)_2TX

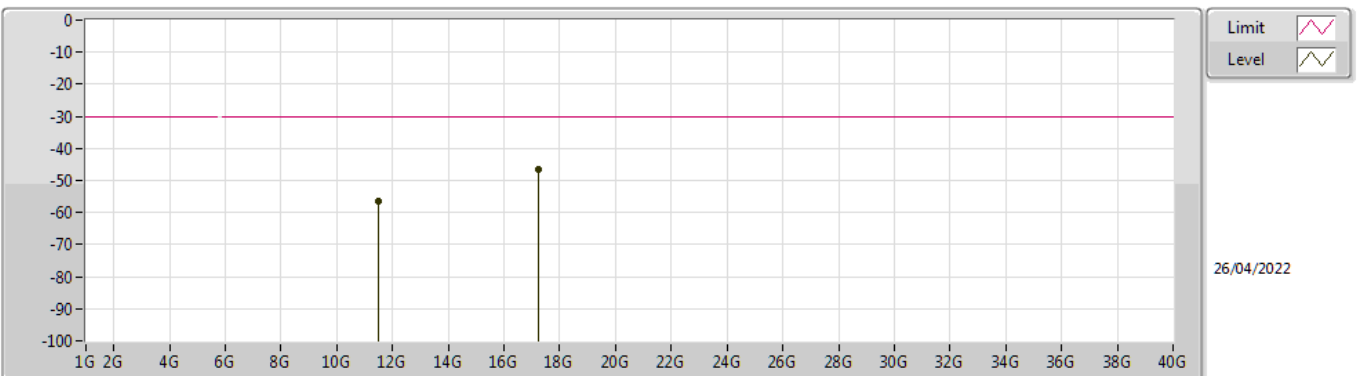
5745MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	11.49258G	-52.21	-30.00	-22.21	4.95	3	Vertical	0	1.5	-	-57.16	49.63	10.58	55.26
AV	17.22821G	-47.39	-30.00	-17.39	14.99	3	Vertical	0	1.5	-	-62.38	55.17	13.11	53.29

802.11a_Nss1,(6Mbps)_2TX

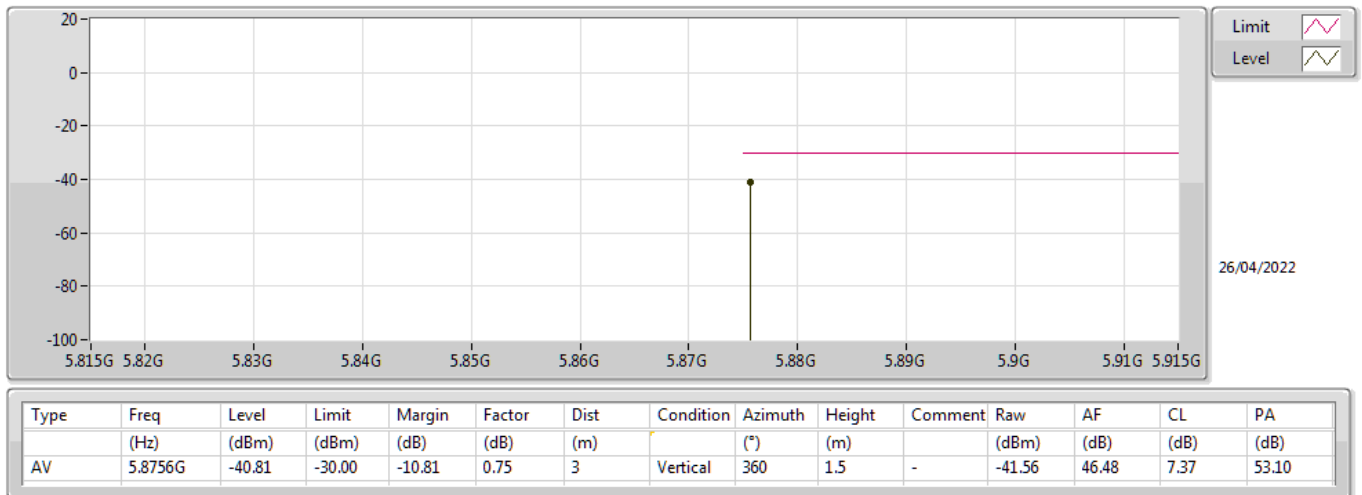
5745MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	11.4873G	-56.36	-30.00	-26.36	4.23	3	Horizontal	360	1.5	-	-60.59	48.91	10.58	55.26
AV	17.24317G	-46.70	-30.00	-16.70	15.14	3	Horizontal	360	1.5	-	-61.84	55.32	13.12	53.30

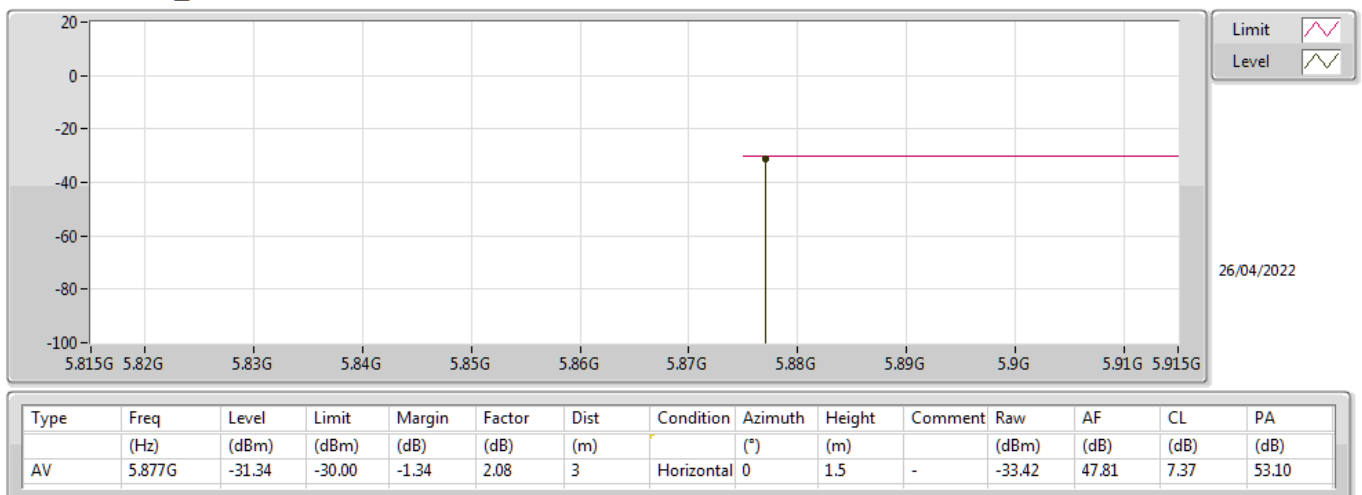
802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX



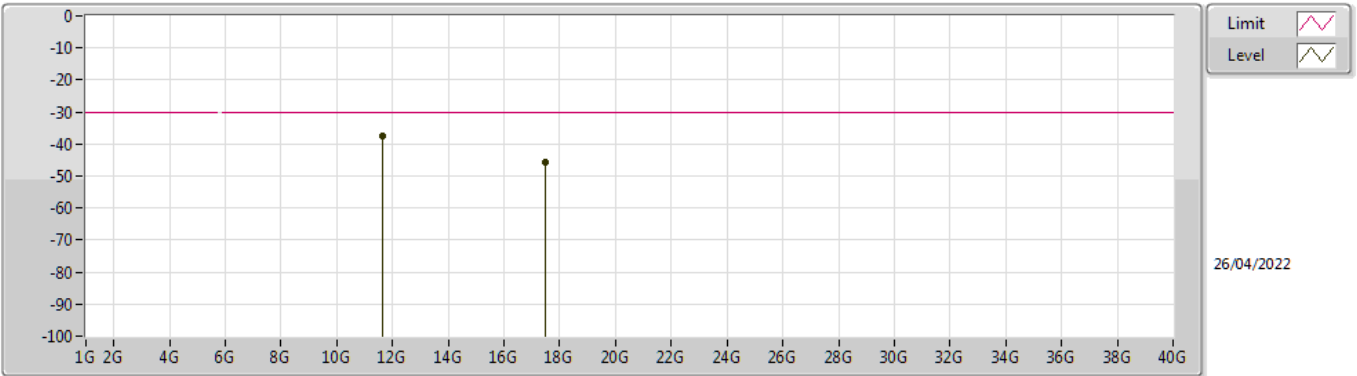
802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX



802.11a_Nss1,(6Mbps)_2TX

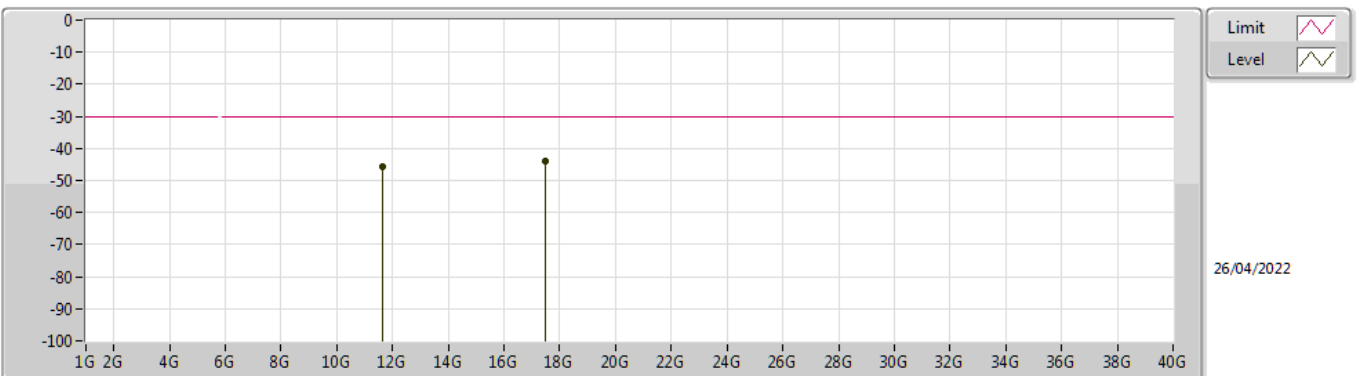
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.64703G	-37.37	-30.00	-7.37	6.11	3	Vertical	360	1.5	-	-43.48	50.29	10.67	54.85
AV	17.47286G	-45.57	-30.00	-15.57	13.10	3	Vertical	360	1.5	-	-58.67	53.45	13.21	53.56

802.11a_Nss1,(6Mbps)_2TX

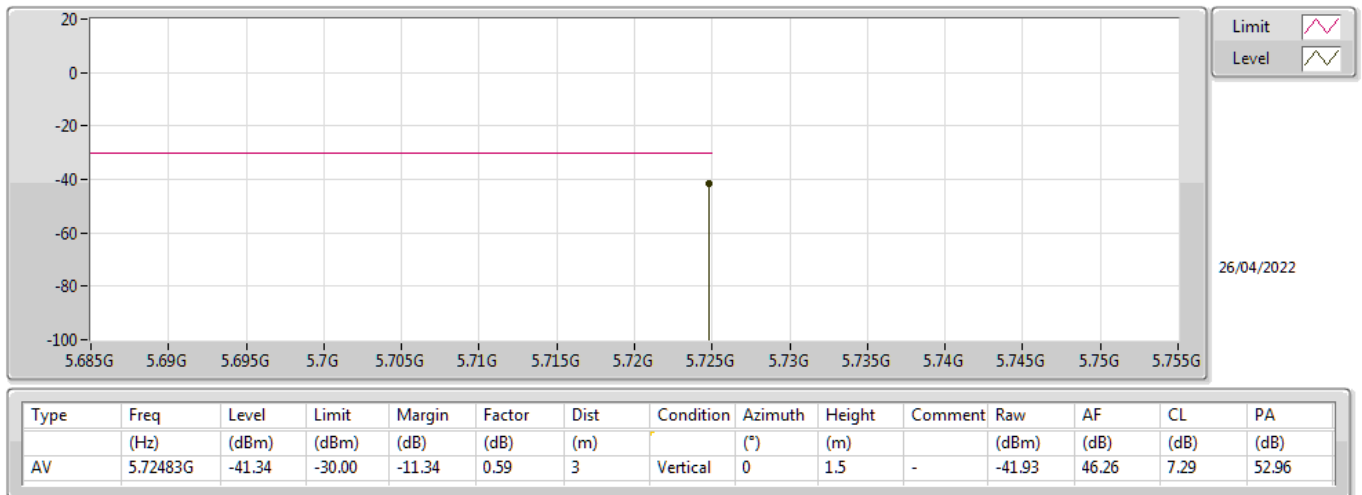
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.64967G	-45.52	-30.00	-15.52	5.33	3	Horizontal	0	1.5	-	-50.85	49.50	10.68	54.85
AV	17.47286G	-44.04	-30.00	-14.04	13.10	3	Horizontal	0	1.5	-	-57.14	53.45	13.21	53.56

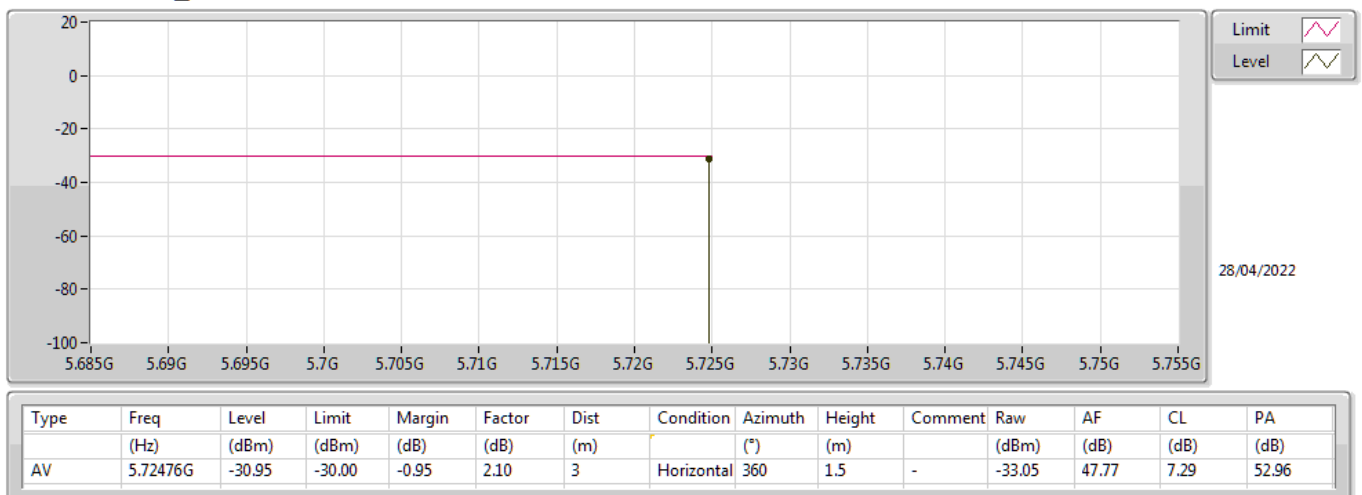
802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX



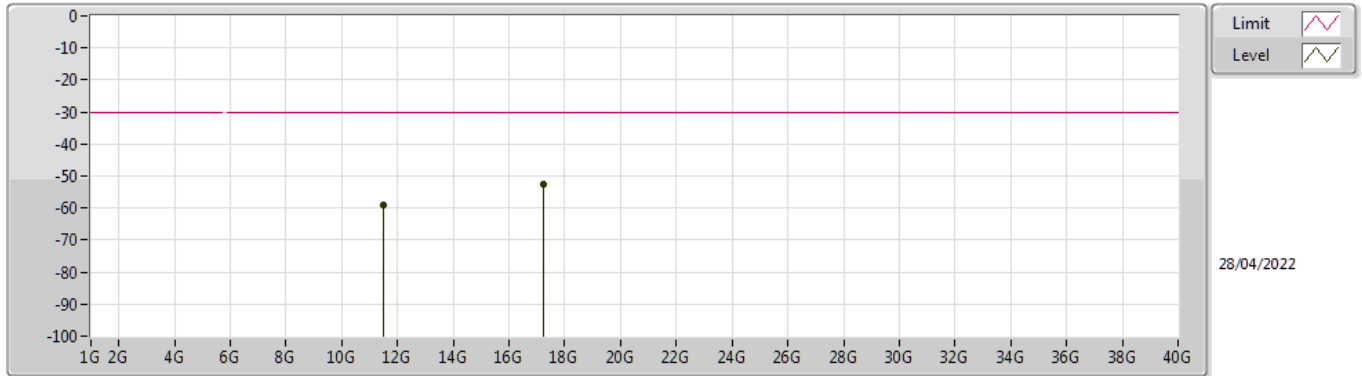
802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX



802.11ax HEW20_Nss1,(MCS0)_2TX

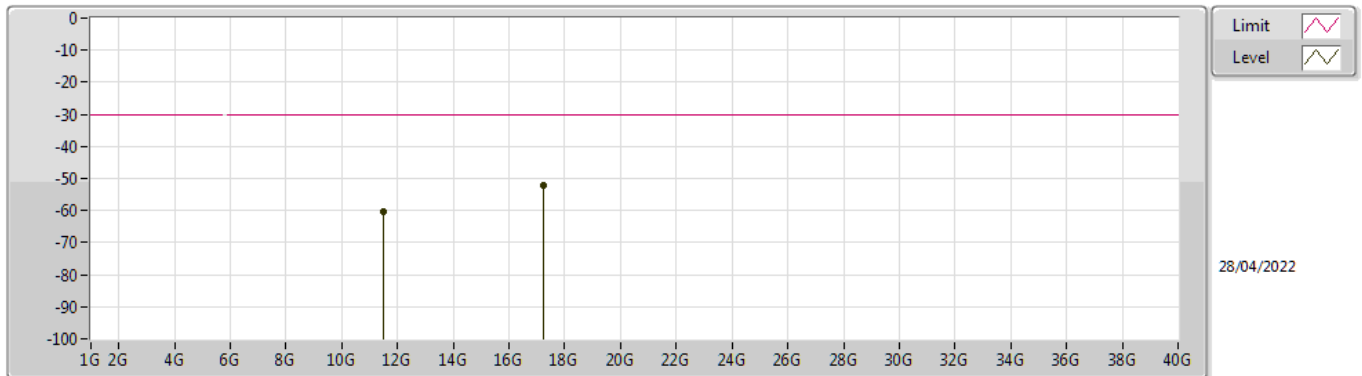
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.49488G	-58.90	-30.00	-28.90	4.97	3	Vertical	0	1.5	-	-63.87	49.64	10.58	55.25
AV	17.2355G	-52.73	-30.00	-22.73	15.07	3	Vertical	0	1.5	-	-67.80	55.25	13.11	53.29

802.11ax HEW20_Nss1,(MCS0)_2TX

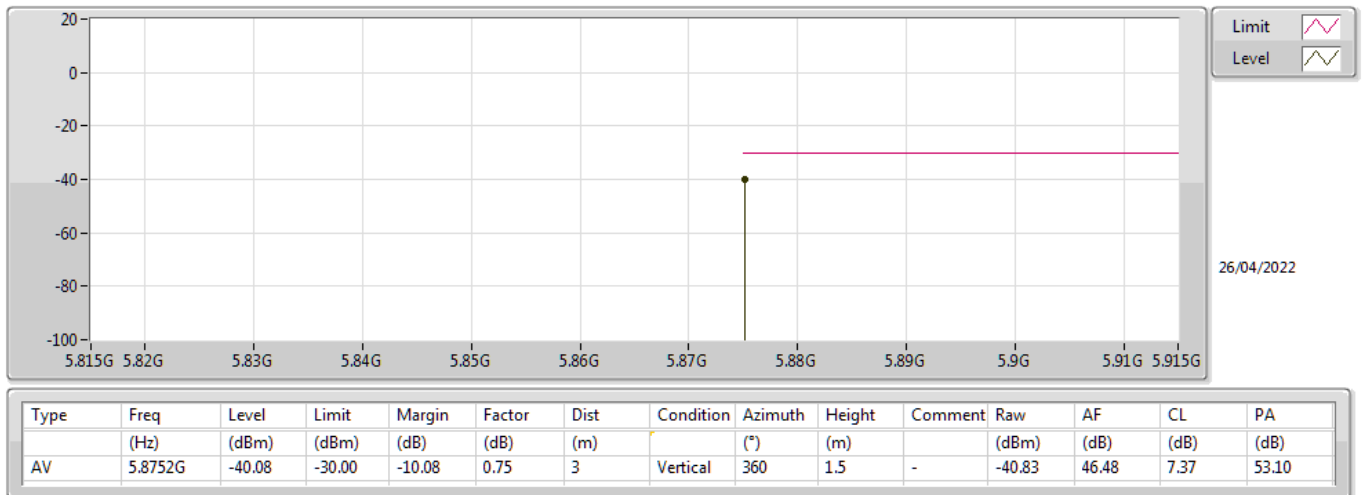
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.4935G	-60.48	-30.00	-30.48	4.23	3	Horizontal	360	1.5	-	-64.71	48.90	10.58	55.25
AV	17.22725G	-52.32	-30.00	-22.32	14.98	3	Horizontal	360	1.5	-	-67.30	55.15	13.11	53.28

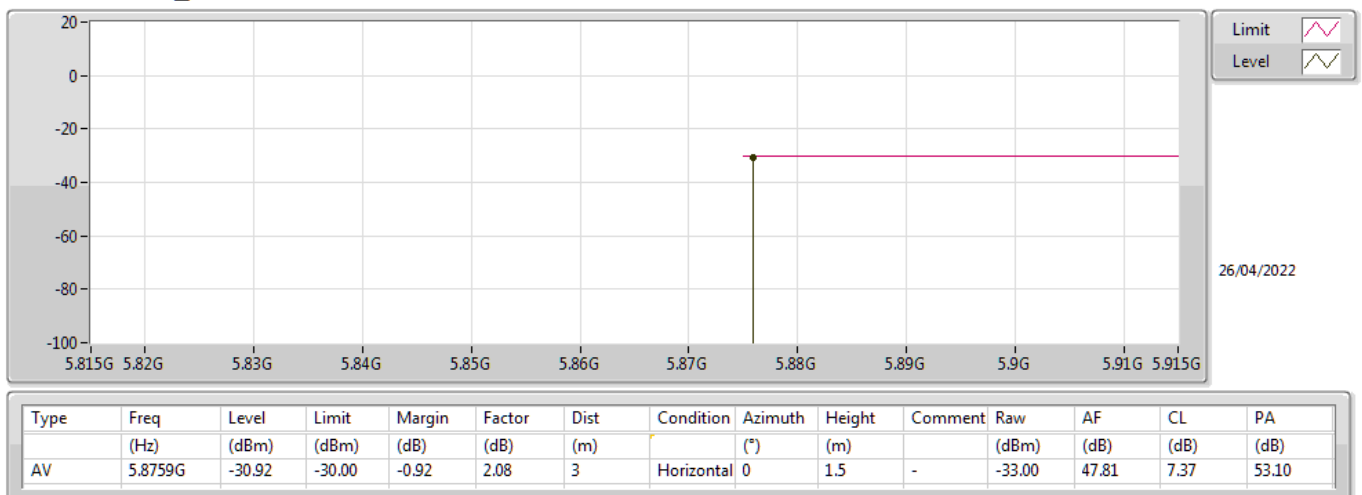
802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX



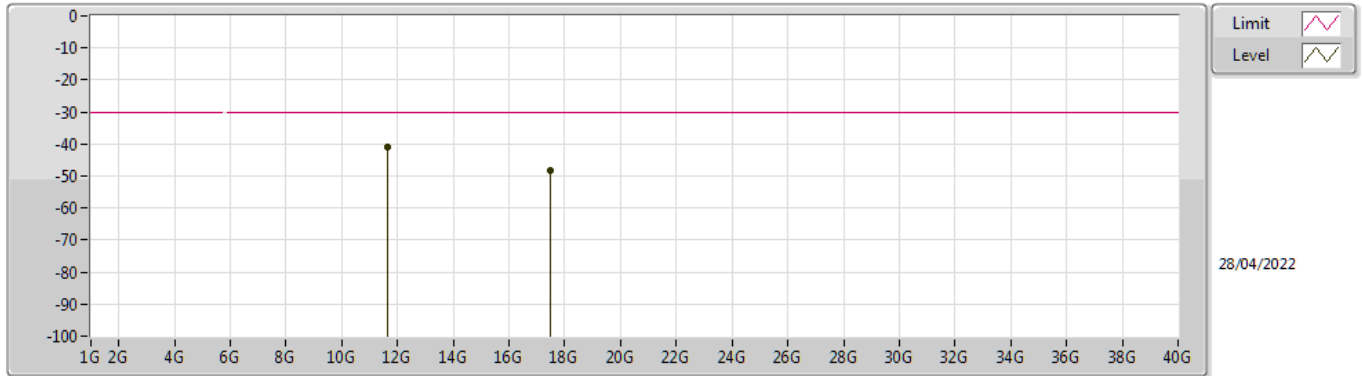
802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX



802.11ax HEW20_Nss1,(MCS0)_2TX

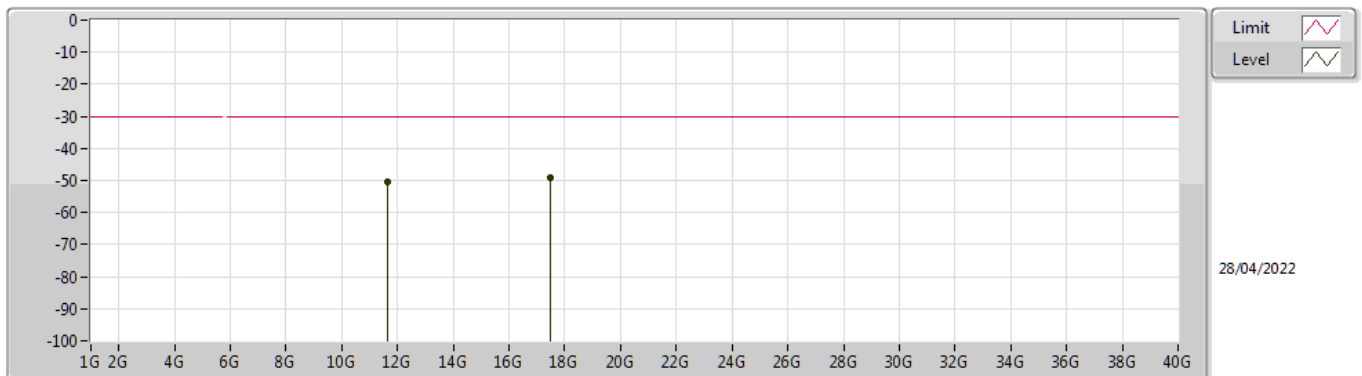
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.65438G	-40.89	-30.00	-10.89	6.26	3	Vertical	360	1.5	-	-47.15	50.41	10.68	54.83
AV	17.48025G	-48.18	-30.00	-18.18	13.01	3	Vertical	360	1.5	-	-61.19	53.37	13.21	53.57

802.11ax HEW20_Nss1,(MCS0)_2TX

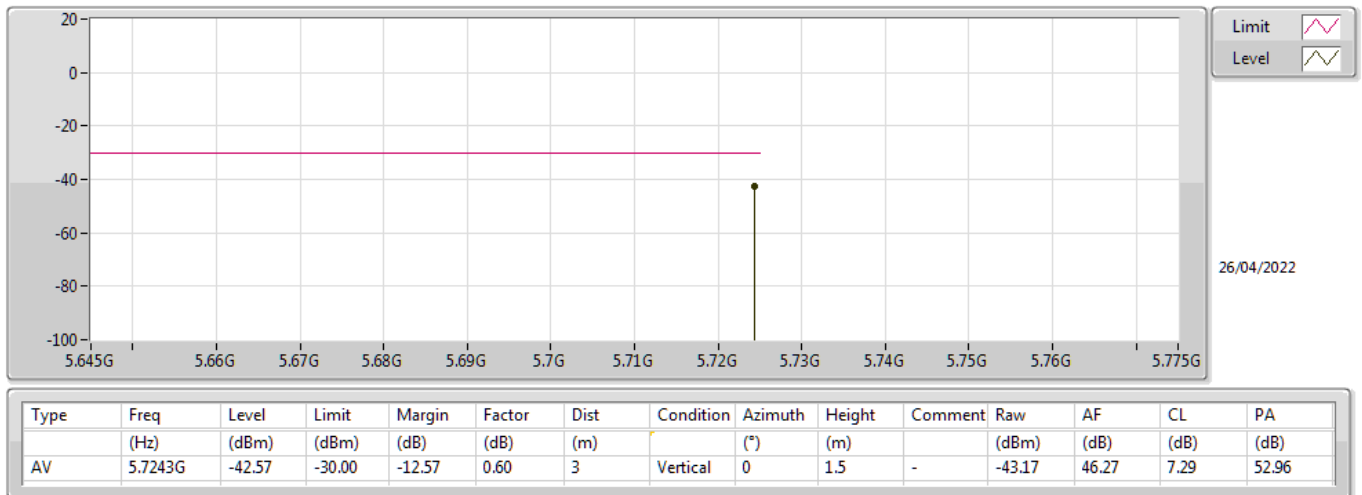
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.653G	-50.31	-30.00	-20.31	5.39	3	Horizontal	0	1.5	-	-55.70	49.55	10.68	54.84
AV	17.4775G	-49.25	-30.00	-19.25	13.04	3	Horizontal	0	1.5	-	-62.29	53.39	13.21	53.56

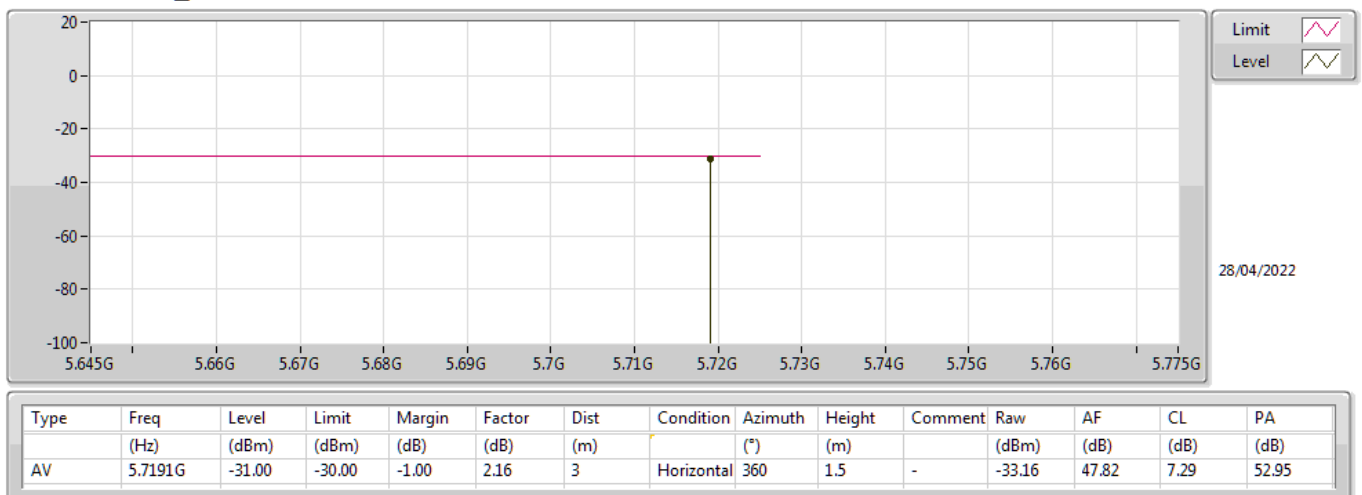
802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX



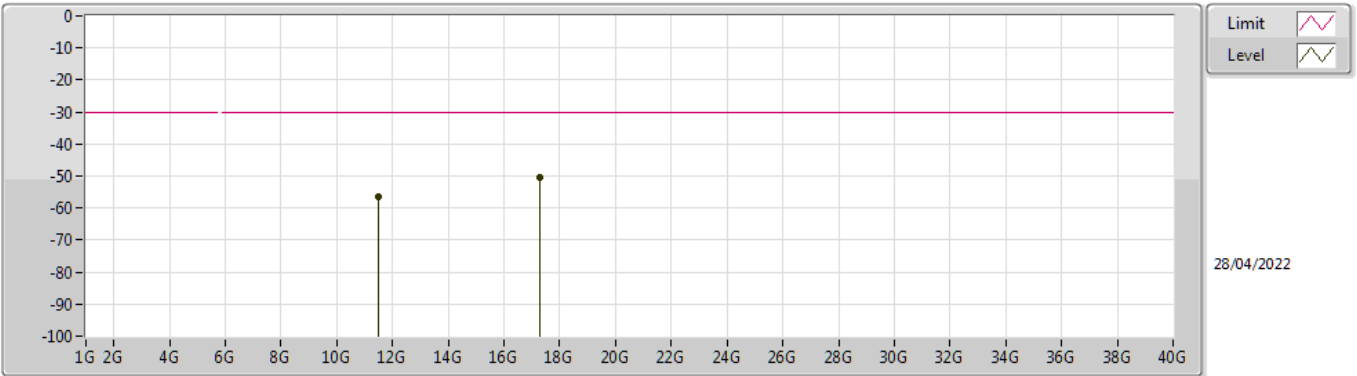
802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX



802.11ax HEW40_Nss1,(MCS0)_2TX

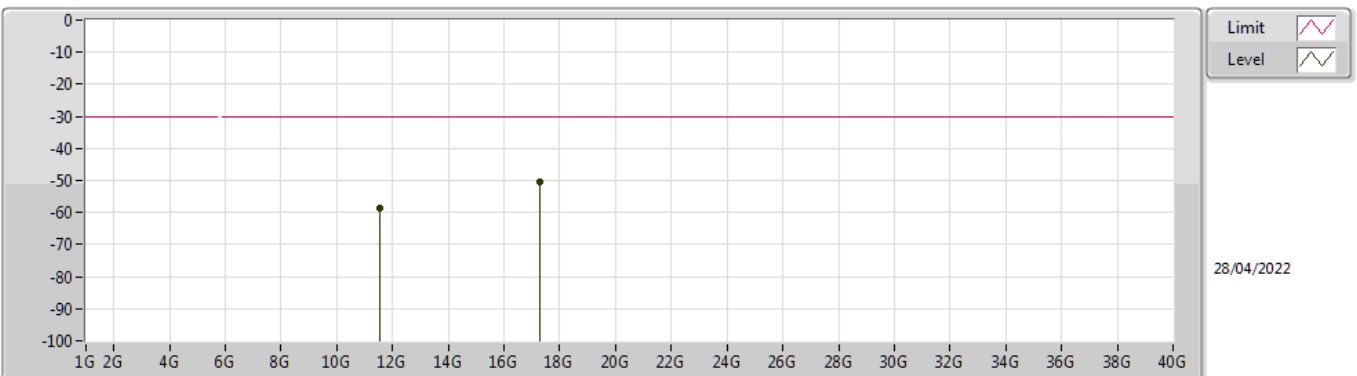
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.51688G	-56.33	-30.00	-26.33	5.05	3	Vertical	0	1.5	-	-61.38	49.65	10.60	55.20
AV	17.27263G	-50.63	-30.00	-20.63	15.43	3	Vertical	0	1.5	-	-66.06	55.64	13.13	53.34

802.11ax HEW40_Nss1,(MCS0)_2TX

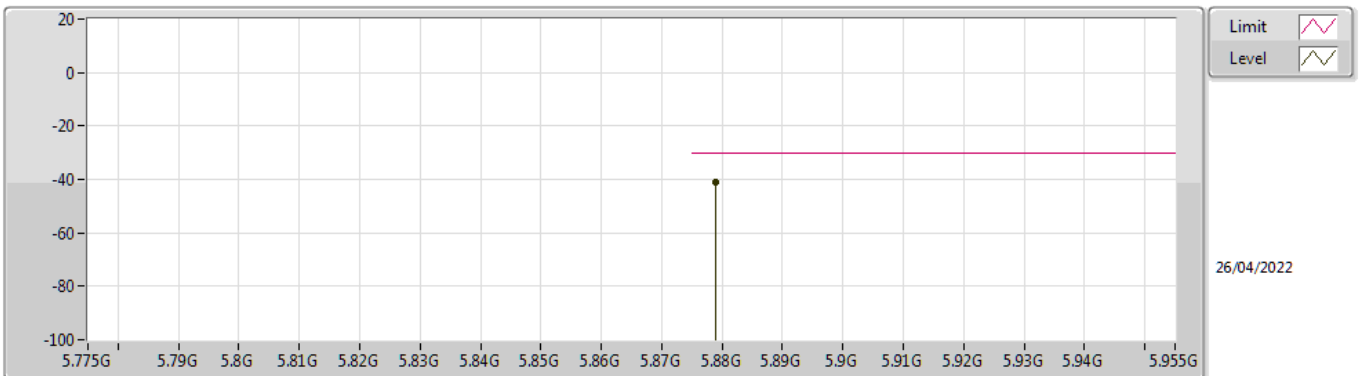
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.52238G	-58.83	-30.00	-28.83	4.29	3	Horizontal	360	1.5	-	-63.12	48.88	10.60	55.19
AV	17.27263G	-50.29	-30.00	-20.29	15.44	3	Horizontal	360	1.5	-	-65.73	55.65	13.13	53.34

802.11ax HEW40_Nss1,(MCS0)_2TX

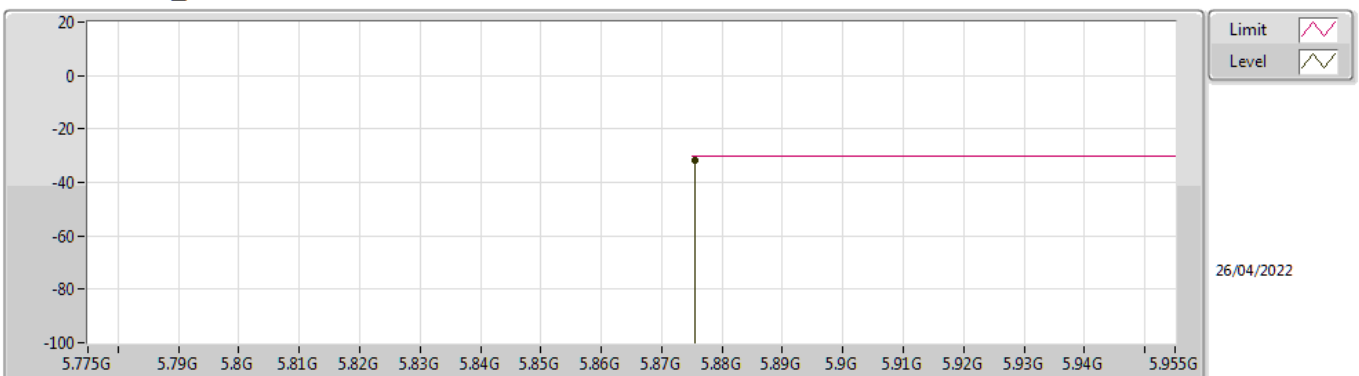
5795MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.87886G	-40.89	-30.00	-10.89	0.74	3	Vertical	360	1.5	-	-41.63	46.47	7.37	53.10

802.11ax HEW40_Nss1,(MCS0)_2TX

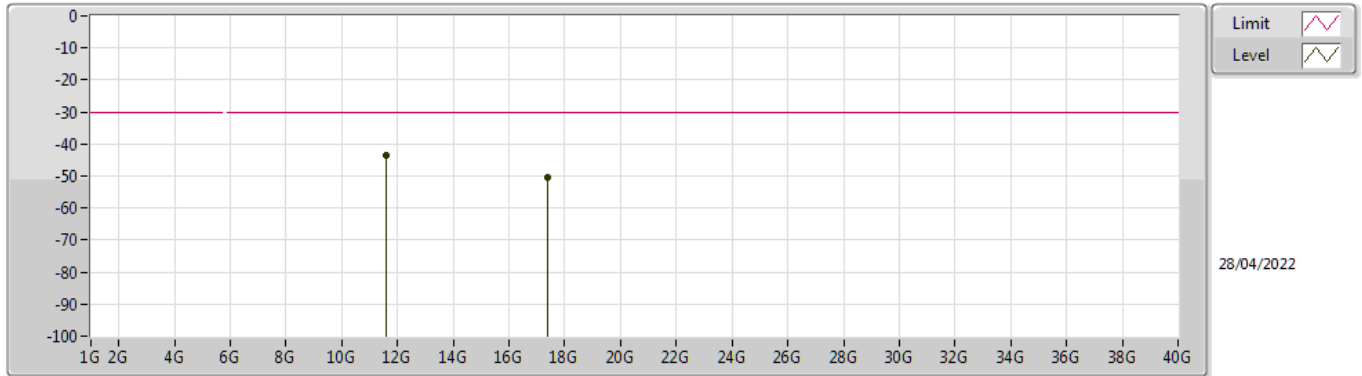
5795MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.87544G	-31.83	-30.00	-1.83	2.08	3	Horizontal	0	1.5	-	-33.91	47.81	7.37	53.10

802.11ax HEW40_Nss1,(MCS0)_2TX

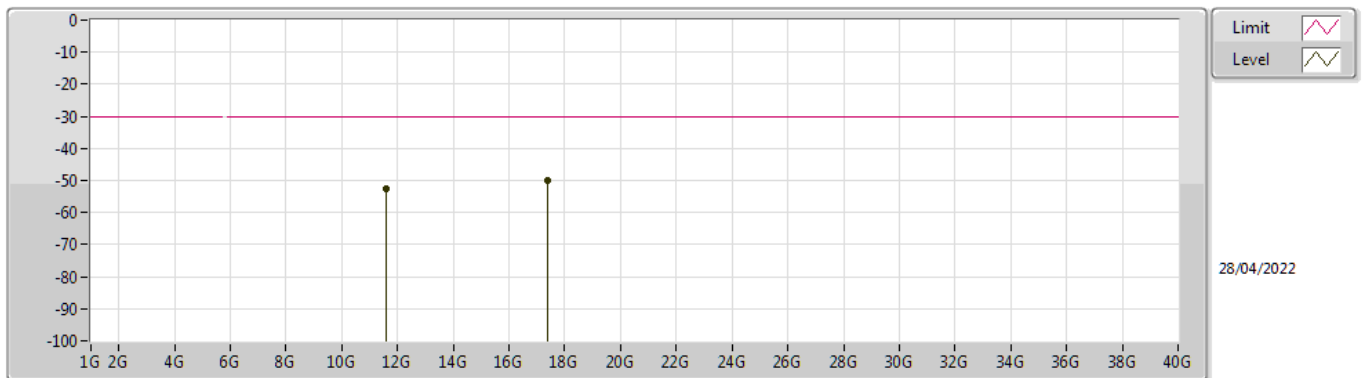
5795MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	11.5925G	-43.58	-30.00	-13.58	5.22	3	Vertical	360	1.5	-	-48.80	49.58	10.64	55.00
AV	17.384G	-50.35	-30.00	-20.35	14.29	3	Vertical	360	1.5	-	-64.64	54.58	13.17	53.46

802.11ax HEW40_Nss1,(MCS0)_2TX

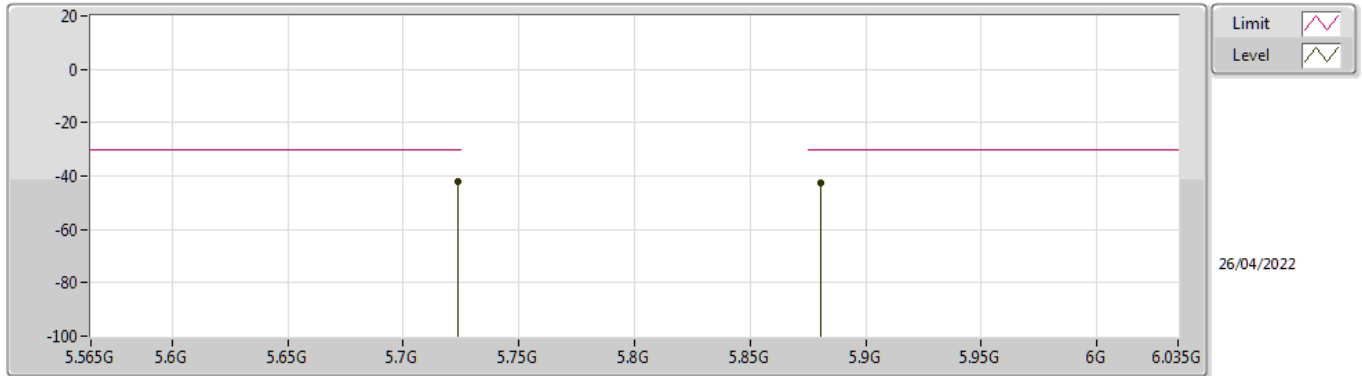
5795MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	11.5925G	-52.40	-30.00	-22.40	4.48	3	Horizontal	0	1.5	-	-56.88	48.83	10.64	54.99
AV	17.3936G	-49.80	-30.00	-19.80	14.16	3	Horizontal	0	1.5	-	-63.96	54.45	13.18	53.47

802.11ax HEW80_Nss1,(MCS0)_2TX

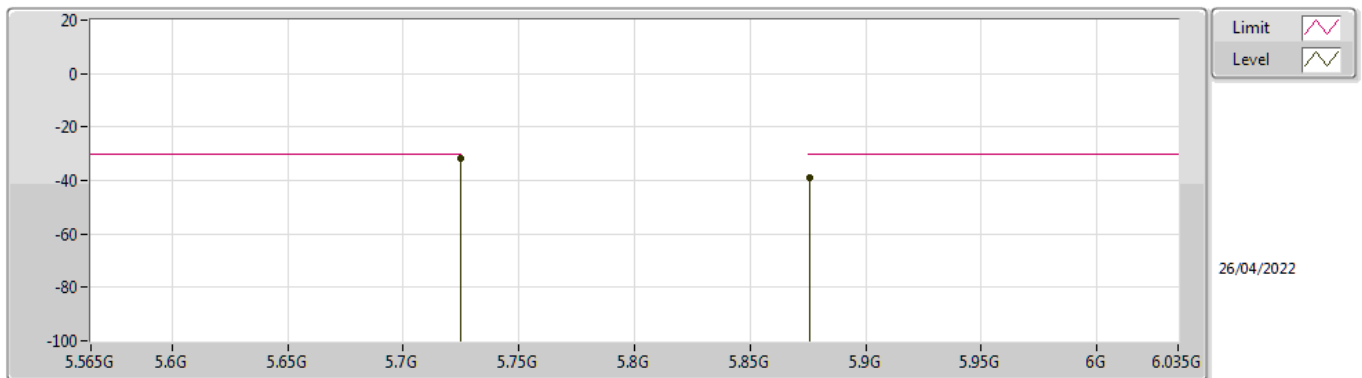
5775MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.72386G	-42.07	-30.00	-12.07	0.60	3	Vertical	0	1.5	-	-42.67	46.27	7.29	52.96
AV	5.88037G	-42.45	-30.00	-12.45	0.73	3	Vertical	0	1.5	-	-43.18	46.46	7.37	53.10

802.11ax HEW80_Nss1,(MCS0)_2TX

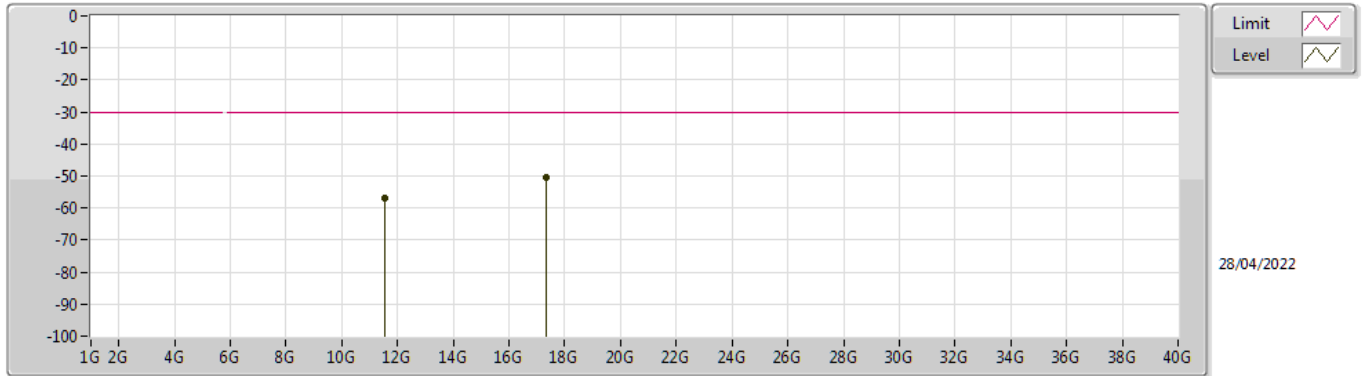
5775MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.7248G	-31.47	-30.00	-1.47	2.10	3	Horizontal	360	1.5	-	-33.57	47.77	7.29	52.96
AV	5.87567G	-39.05	-30.00	-9.05	2.08	3	Horizontal	360	1.5	-	-41.13	47.81	7.37	53.10

802.11ax HEW80_Nss1,(MCS0)_2TX

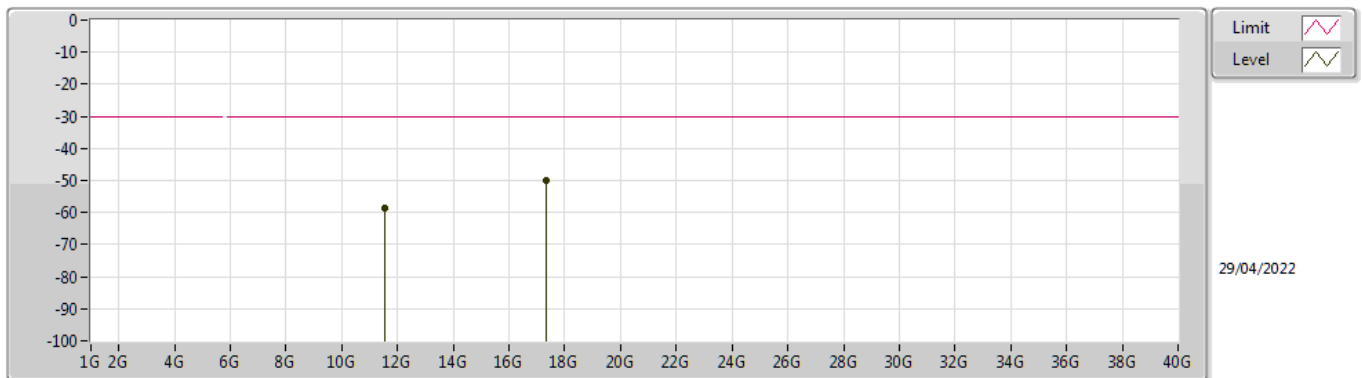
5775MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	11.52375G	-57.09	-30.00	-27.09	5.06	3	Vertical	0	1.5	-	-62.15	49.65	10.60	55.19
AV	17.32075G	-50.42	-30.00	-20.42	15.36	3	Vertical	0	1.5	-	-65.78	55.60	13.15	53.39

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	11.54713G	-58.65	-30.00	-28.65	4.35	3	Horizontal	360	1.5	-	-63.00	48.86	10.61	55.12
AV	17.33313G	-49.92	-30.00	-19.92	15.18	3	Horizontal	360	1.5	-	-65.10	55.43	13.15	53.40



Summary

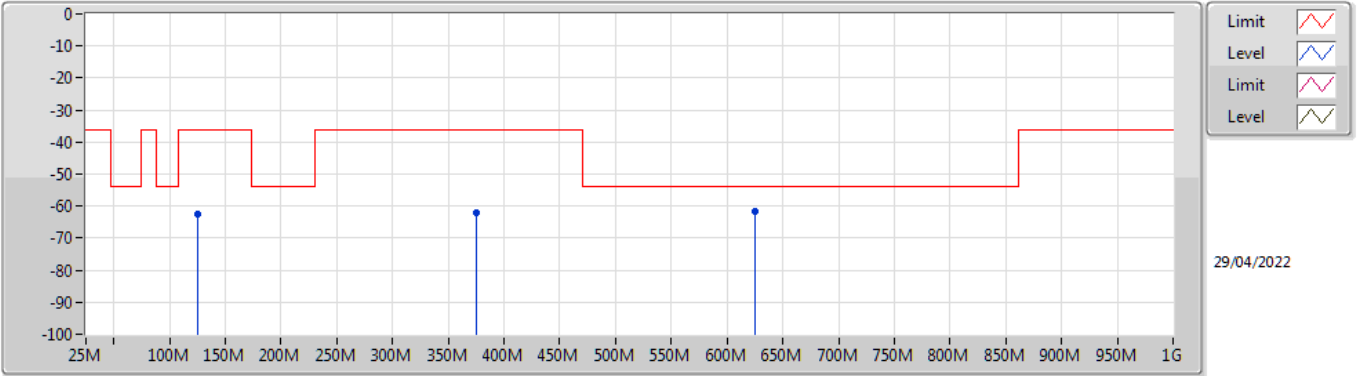
Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.875GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	624.99M	-61.09	-54.00	-7.09	8.25	3	Horizontal	0	1.5	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz_TX	Pass	PK	124.94M	-62.35	-36.00	-26.35	1.52	3	Vertical	360	1.5	-
5775MHz_TX	Pass	PK	375.03M	-61.96	-36.00	-25.96	3.55	3	Vertical	360	1.5	-
5775MHz_TX	Pass	PK	624.99M	-61.65	-54.00	-7.65	8.01	3	Vertical	360	1.5	-
5775MHz_TX	Pass	PK	249.98M	-59.67	-36.00	-23.67	1.66	3	Horizontal	0	1.5	-
5775MHz_TX	Pass	PK	375.03M	-58.78	-36.00	-22.78	2.75	3	Horizontal	0	1.5	-
5775MHz_TX	Pass	PK	624.99M	-61.09	-54.00	-7.09	8.25	3	Horizontal	0	1.5	-

802.11ax HEW80_Nss1,(MCS0)_2TX

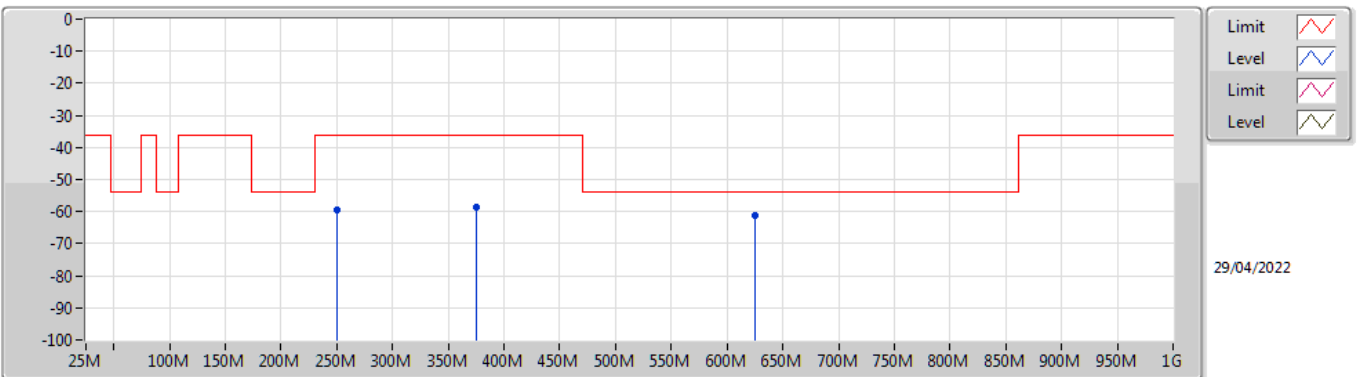
5775MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
PK	124.94M	-62.35	-36.00	-26.35	1.52	3	Vertical	360	1.5	-	-63.87	27.71	1.60	27.79
PK	375.03M	-61.96	-36.00	-25.96	3.55	3	Vertical	360	1.5	-	-65.51	28.49	2.71	27.65
PK	624.99M	-61.65	-54.00	-7.65	8.01	3	Vertical	360	1.5	-	-69.66	33.03	3.45	28.47

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
PK	249.98M	-59.67	-36.00	-23.67	1.66	3	Horizontal	0	1.5	-	-61.33	26.50	2.24	27.08
PK	375.03M	-58.78	-36.00	-22.78	2.75	3	Horizontal	0	1.5	-	-61.53	27.69	2.71	27.65
PK	624.99M	-61.09	-54.00	-7.09	8.25	3	Horizontal	0	1.5	-	-69.34	33.27	3.45	28.47

**Summary**

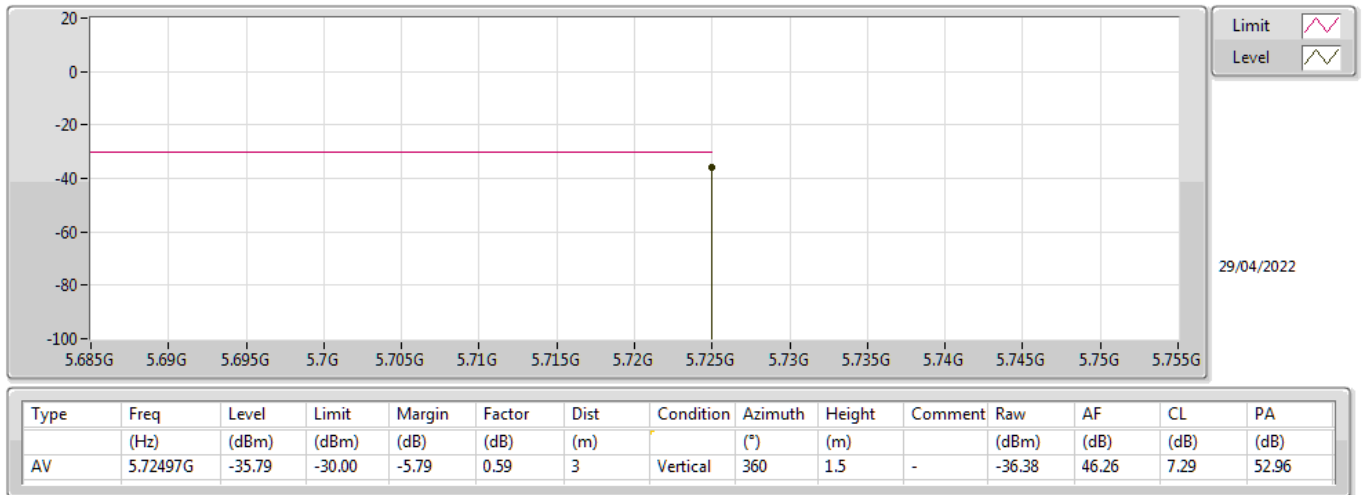
Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.875GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.7249G	-30.43	-30.00	-0.43	2.10	3	Horizontal	0	1.5	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.8753G	-30.45	-30.00	-0.45	2.08	3	Horizontal	0	1.5	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.72404G	-31.49	-30.00	-1.49	2.11	3	Horizontal	360	1.5	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.72245G	-30.43	-30.00	-0.43	2.13	3	Horizontal	360	1.5	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz_TX	Pass	AV	5.72497G	-35.79	-30.00	-5.79	0.59	3	Vertical	360	1.5	-
5745MHz_TX	Pass	AV	5.7249G	-30.43	-30.00	-0.43	2.10	3	Horizontal	0	1.5	-
5745MHz_TX	Pass	AV	11.4935G	-52.47	-30.00	-22.47	4.96	3	Vertical	360	1.5	-
5745MHz_TX	Pass	AV	17.22863G	-51.89	-30.00	-21.89	14.99	3	Vertical	360	1.5	-
5745MHz_TX	Pass	AV	11.48938G	-58.80	-30.00	-28.80	4.23	3	Horizontal	0	1.5	-
5745MHz_TX	Pass	AV	17.22863G	-51.60	-30.00	-21.60	14.98	3	Horizontal	0	1.5	-
5825MHz_TX	Pass	AV	5.8751G	-35.44	-30.00	-5.44	0.75	3	Vertical	0	1.5	-
5825MHz_TX	Pass	AV	5.8787G	-31.90	-30.00	-1.90	2.08	3	Horizontal	360	1.5	-
5825MHz_TX	Pass	AV	11.653G	-40.61	-30.00	-10.61	6.23	3	Vertical	0	1.5	-
5825MHz_TX	Pass	AV	17.48025G	-46.31	-30.00	-16.31	13.01	3	Vertical	0	1.5	-
5825MHz_TX	Pass	AV	11.65163G	-49.38	-30.00	-19.38	5.37	3	Horizontal	360	1.5	-
5825MHz_TX	Pass	AV	17.48025G	-47.75	-30.00	-17.75	12.99	3	Horizontal	360	1.5	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz_TX	Pass	AV	5.7249G	-37.04	-30.00	-7.04	0.59	3	Vertical	360	1.5	-
5745MHz_TX	Pass	AV	5.7249G	-30.89	-30.00	-0.89	2.10	3	Horizontal	0	1.5	-
5745MHz_TX	Pass	AV	11.48938G	-53.86	-30.00	-23.86	4.93	3	Vertical	0	1.5	-
5745MHz_TX	Pass	AV	17.23688G	-51.98	-30.00	-21.98	15.07	3	Vertical	0	1.5	-
5745MHz_TX	Pass	AV	11.49763G	-58.30	-30.00	-28.30	4.22	3	Horizontal	360	1.5	-
5745MHz_TX	Pass	AV	17.23275G	-52.34	-30.00	-22.34	15.03	3	Horizontal	360	1.5	-
5825MHz_TX	Pass	AV	5.8751G	-36.38	-30.00	-6.38	0.75	3	Vertical	360	1.5	-
5825MHz_TX	Pass	AV	5.8753G	-30.45	-30.00	-0.45	2.08	3	Horizontal	0	1.5	-
5825MHz_TX	Pass	AV	11.6475G	-43.96	-30.00	-13.96	6.12	3	Vertical	360	1.5	-
5825MHz_TX	Pass	AV	17.47613G	-47.89	-30.00	-17.89	13.06	3	Vertical	360	1.5	-
5825MHz_TX	Pass	AV	11.64888G	-52.49	-30.00	-22.49	5.32	3	Horizontal	0	1.5	-
5825MHz_TX	Pass	AV	17.47063G	-50.63	-30.00	-20.63	13.12	3	Horizontal	0	1.5	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5755MHz_TX	Pass	AV	5.7178G	-38.94	-30.00	-8.94	0.69	3	Vertical	0	1.5	-
5755MHz_TX	Pass	AV	5.72404G	-31.49	-30.00	-1.49	2.11	3	Horizontal	360	1.5	-
5755MHz_TX	Pass	AV	11.52375G	-57.72	-30.00	-27.72	5.06	3	Vertical	0	1.5	-
5755MHz_TX	Pass	AV	17.27675G	-50.18	-30.00	-20.18	15.47	3	Vertical	0	1.5	-
5755MHz_TX	Pass	AV	11.52513G	-58.22	-30.00	-28.22	4.29	3	Horizontal	360	1.5	-
5755MHz_TX	Pass	AV	17.27125G	-50.21	-30.00	-20.21	15.44	3	Horizontal	360	1.5	-
5795MHz_TX	Pass	AV	5.87562G	-37.54	-30.00	-7.54	0.75	3	Vertical	360	1.5	-
5795MHz_TX	Pass	AV	5.87526G	-31.67	-30.00	-1.67	2.08	3	Horizontal	0	1.5	-
5795MHz_TX	Pass	AV	11.58975G	-45.85	-30.00	-15.85	5.21	3	Vertical	360	1.5	-
5795MHz_TX	Pass	AV	17.39225G	-49.64	-30.00	-19.64	14.15	3	Vertical	360	1.5	-
5795MHz_TX	Pass	AV	11.58563G	-54.54	-30.00	-24.54	4.46	3	Horizontal	0	1.5	-
5795MHz_TX	Pass	AV	17.37025G	-50.61	-30.00	-20.61	14.56	3	Horizontal	0	1.5	-
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz_TX	Pass	AV	5.72386G	-37.62	-30.00	-7.62	0.60	3	Vertical	0	1.5	-
5775MHz_TX	Pass	AV	5.98377G	-41.61	-30.00	-11.61	1.25	3	Vertical	0	1.5	-
5775MHz_TX	Pass	AV	5.72245G	-30.43	-30.00	-0.43	2.13	3	Horizontal	360	1.5	-
5775MHz_TX	Pass	AV	5.875G	-38.45	-30.00	-8.45	2.08	3	Horizontal	360	1.5	-
5775MHz_TX	Pass	AV	11.54438G	-53.16	-30.00	-23.16	5.11	3	Vertical	360	1.5	-
5775MHz_TX	Pass	AV	17.33175G	-49.61	-30.00	-19.61	15.17	3	Vertical	360	1.5	-
5775MHz_TX	Pass	AV	11.52375G	-57.92	-30.00	-27.92	4.29	3	Horizontal	0	1.5	-
5775MHz_TX	Pass	AV	17.34825G	-49.85	-30.00	-19.85	14.92	3	Horizontal	0	1.5	-

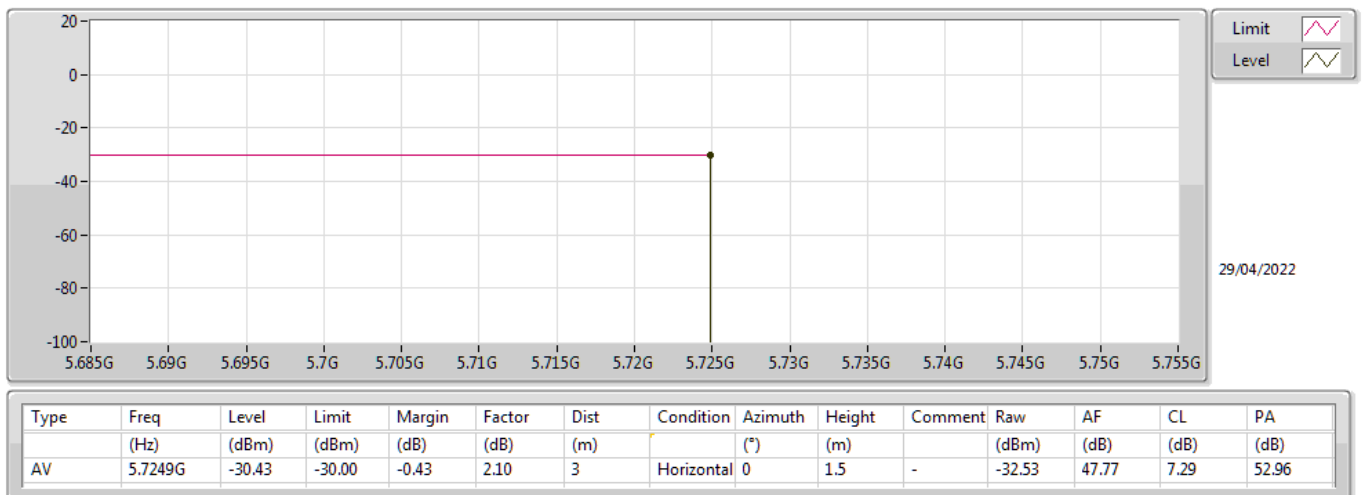
802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX



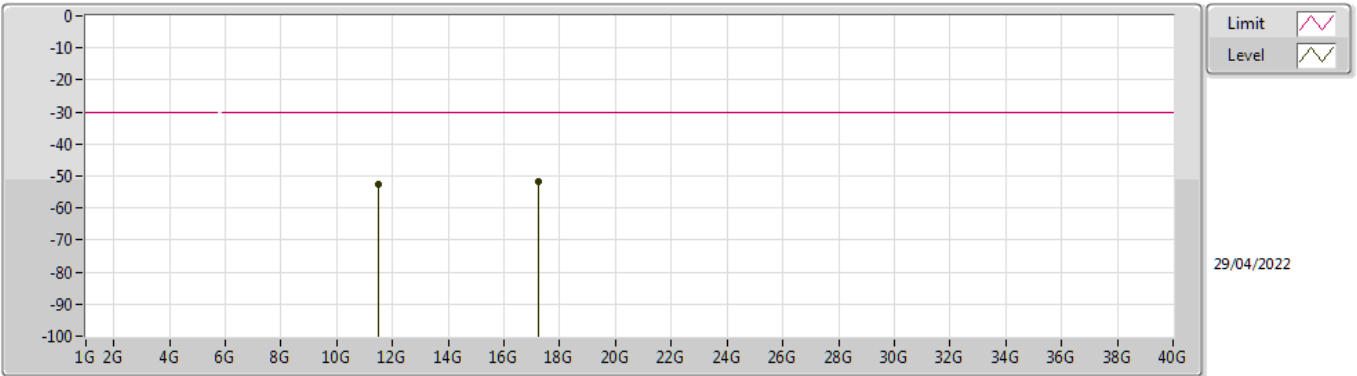
802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX



802.11a_Nss1,(6Mbps)_2TX

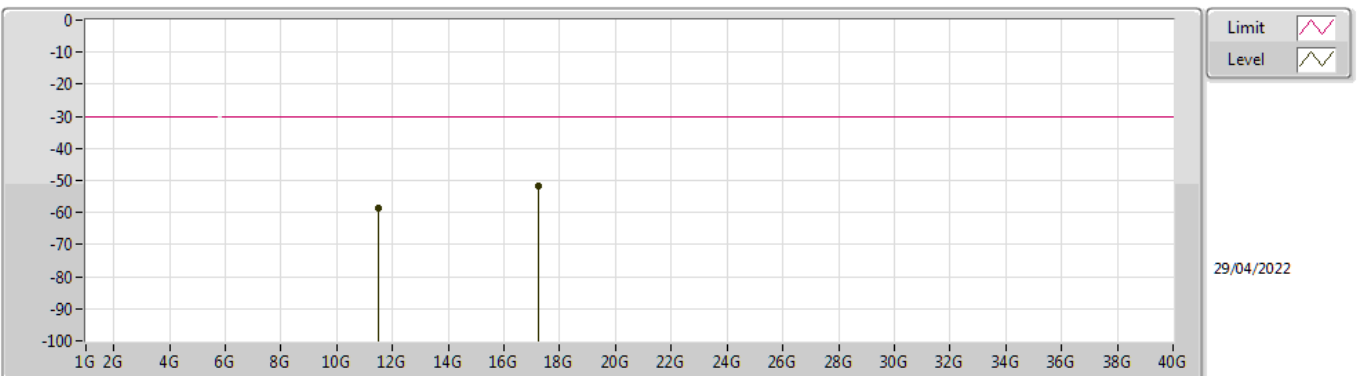
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.4935G	-52.47	-30.00	-22.47	4.96	3	Vertical	360	1.5	-	-57.43	49.63	10.58	55.25
AV	17.22863G	-51.89	-30.00	-21.89	14.99	3	Vertical	360	1.5	-	-66.88	55.17	13.11	53.29

802.11a_Nss1,(6Mbps)_2TX

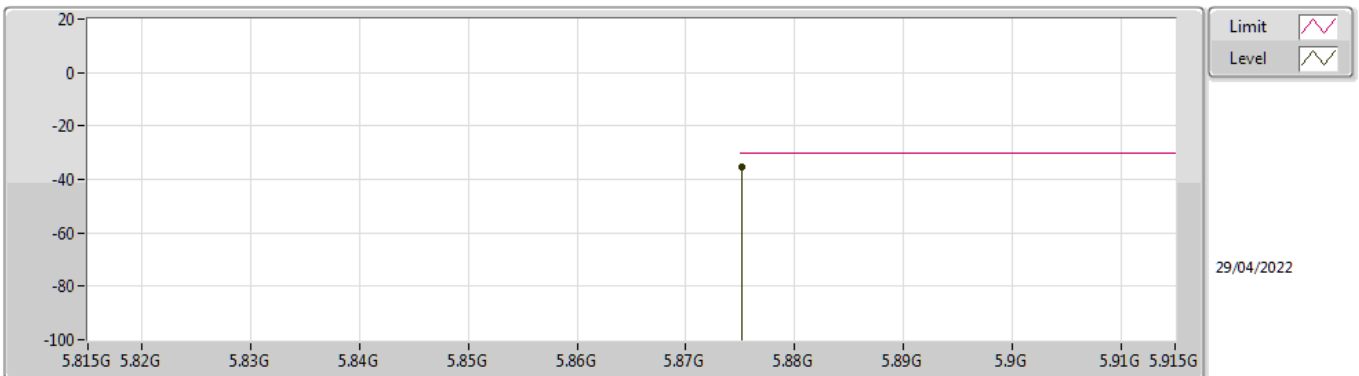
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.48938G	-58.80	-30.00	-28.80	4.23	3	Horizontal	0	1.5	-	-63.03	48.91	10.58	55.26
AV	17.22863G	-51.60	-30.00	-21.60	14.98	3	Horizontal	0	1.5	-	-66.58	55.16	13.11	53.29

802.11a_Nss1,(6Mbps)_2TX

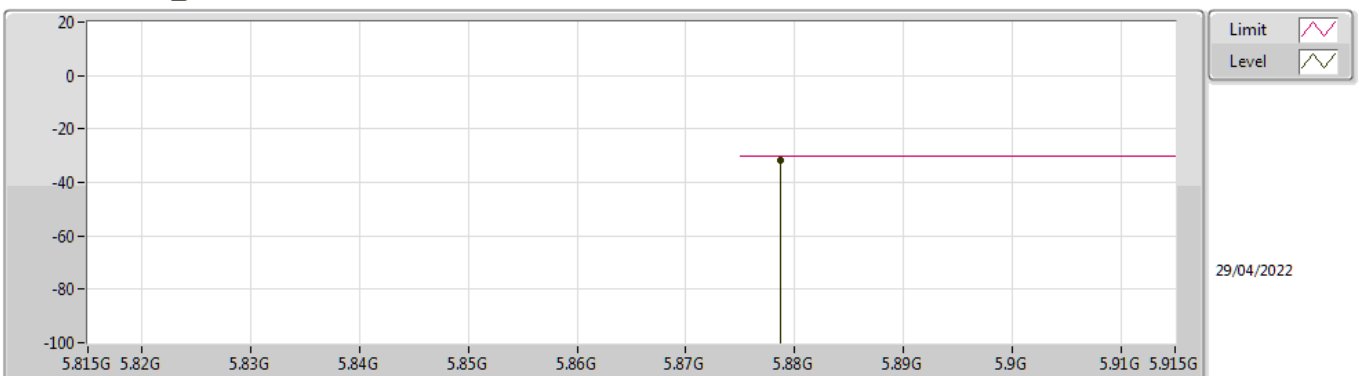
5825MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.8751G	-35.44	-30.00	-5.44	0.75	3	Vertical	0	1.5	-	-36.19	46.48	7.37	53.10

802.11a_Nss1,(6Mbps)_2TX

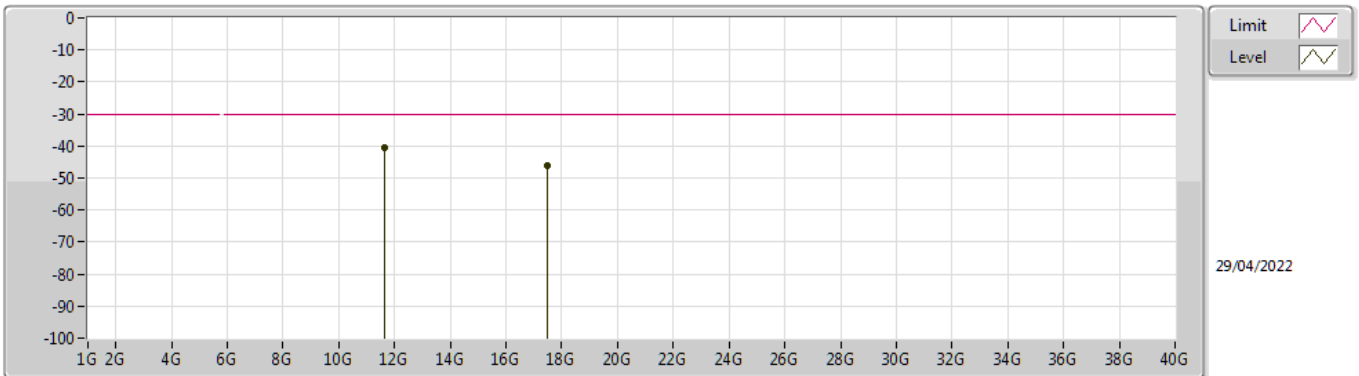
5825MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.8787G	-31.90	-30.00	-1.90	2.08	3	Horizontal	360	1.5	-	-33.98	47.81	7.37	53.10

802.11a_Nss1,(6Mbps)_2TX

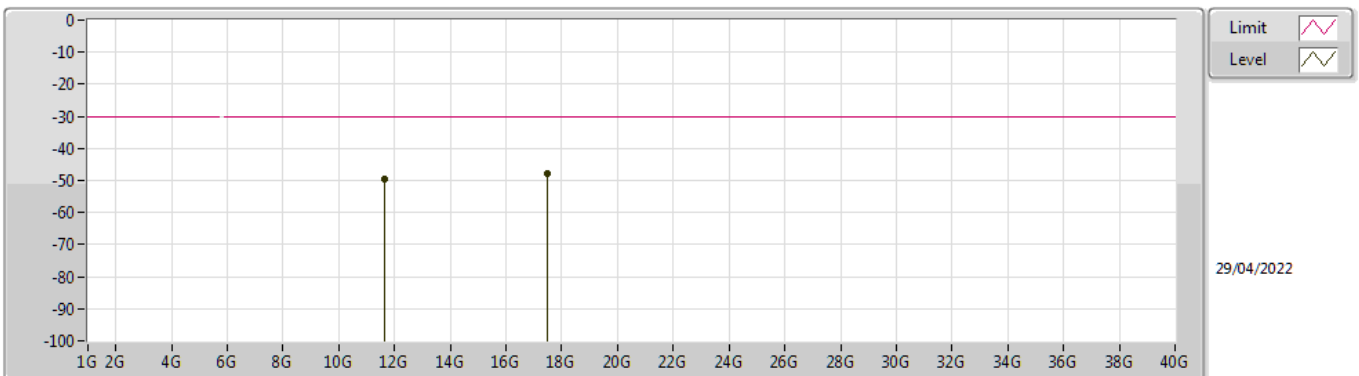
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.653G	-40.61	-30.00	-10.61	6.23	3	Vertical	0	1.5	-	-46.84	50.39	10.68	54.84
AV	17.48025G	-46.31	-30.00	-16.31	13.01	3	Vertical	0	1.5	-	-59.32	53.37	13.21	53.57

802.11a_Nss1,(6Mbps)_2TX

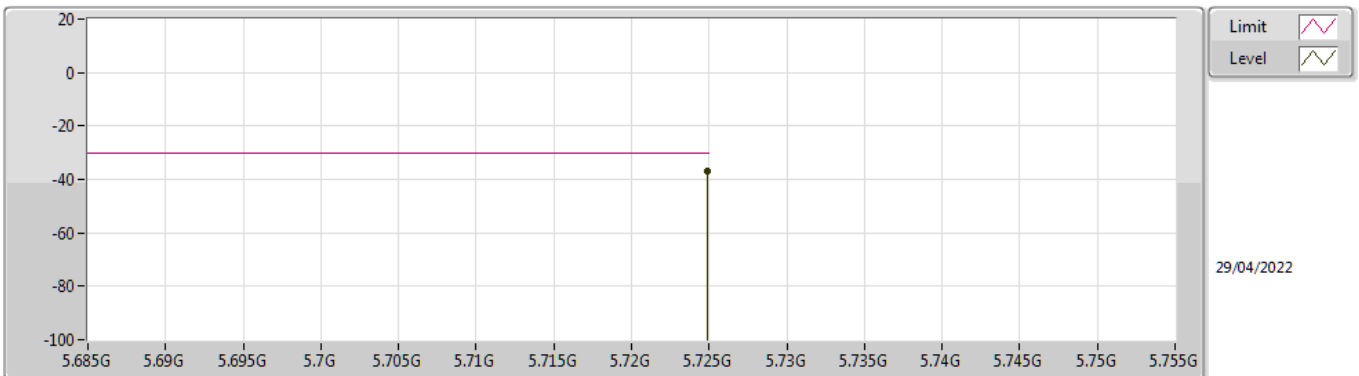
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.65163G	-49.38	-30.00	-19.38	5.37	3	Horizontal	360	1.5	-	-54.75	49.53	10.68	54.84
AV	17.48025G	-47.75	-30.00	-17.75	12.99	3	Horizontal	360	1.5	-	-60.74	53.35	13.21	53.57

802.11ax HEW20_Nss1,(MCS0)_2TX

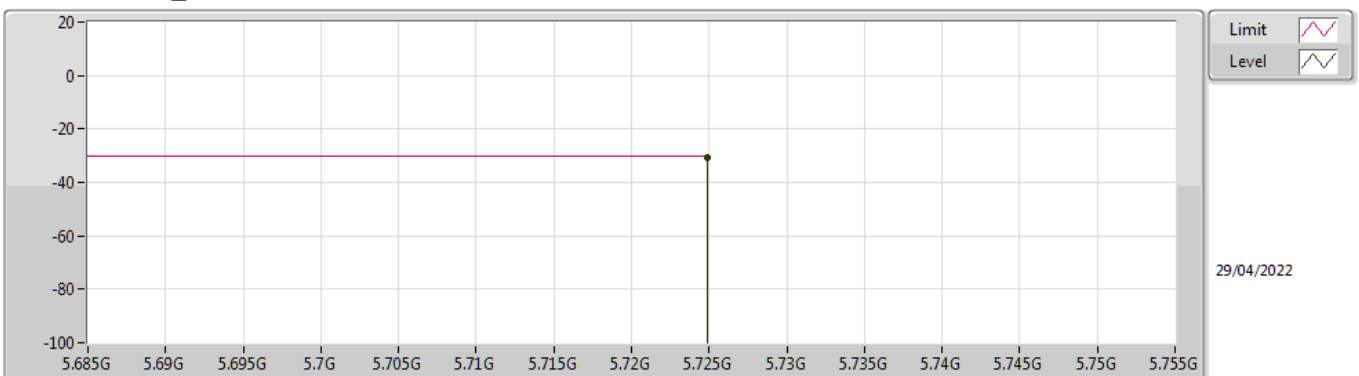
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	5.7249G	-37.04	-30.00	-7.04	0.59	3	Vertical	360	1.5	-	-37.63	46.26	7.29	52.96

802.11ax HEW20_Nss1,(MCS0)_2TX

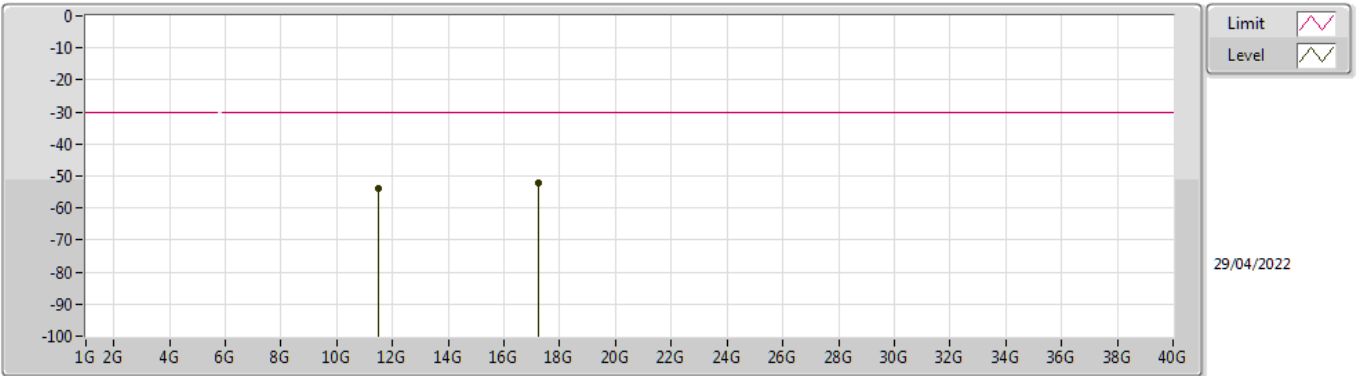
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	5.7249G	-30.89	-30.00	-0.89	2.10	3	Horizontal	0	1.5	-	-32.99	47.77	7.29	52.96

802.11ax HEW20_Nss1,(MCS0)_2TX

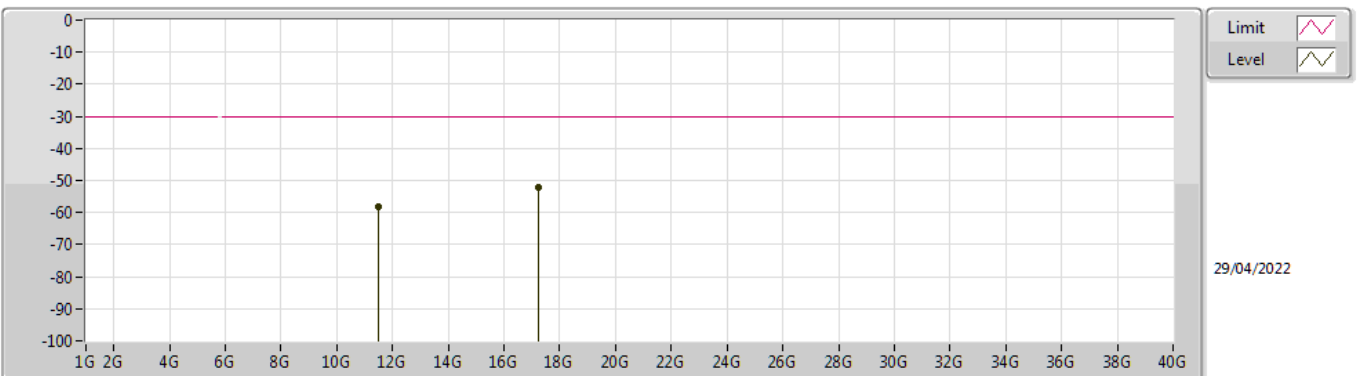
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.48938G	-53.86	-30.00	-23.86	4.93	3	Vertical	0	1.5	-	-58.79	49.61	10.58	55.26
AV	17.23688G	-51.98	-30.00	-21.98	15.07	3	Vertical	0	1.5	-	-67.05	55.26	13.11	53.30

802.11ax HEW20_Nss1,(MCS0)_2TX

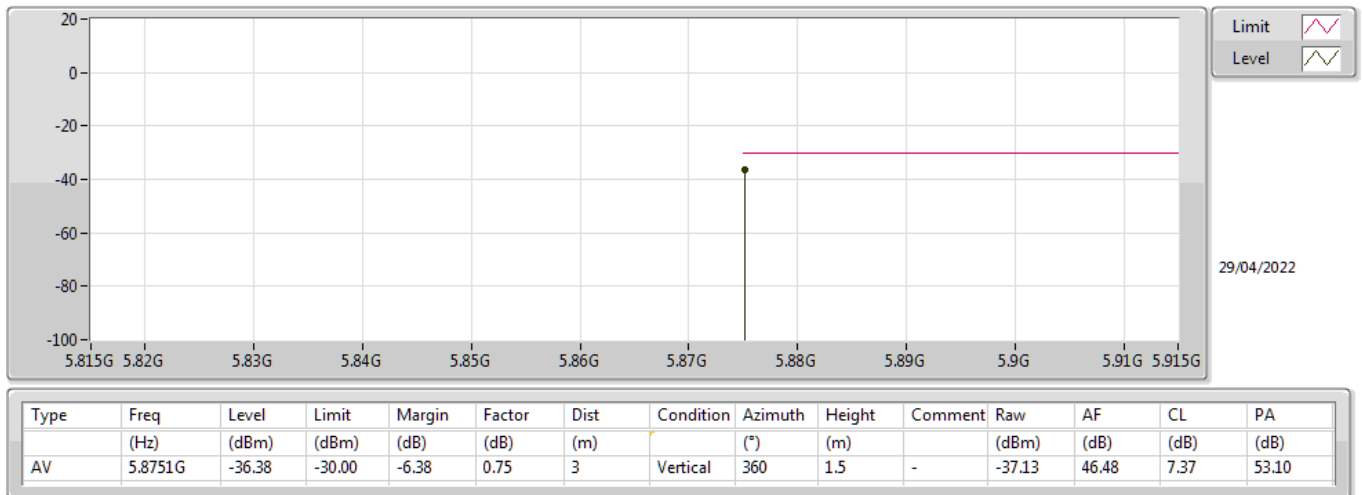
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.49763G	-58.30	-30.00	-28.30	4.22	3	Horizontal	360	1.5	-	-62.52	48.89	10.58	55.25
AV	17.23275G	-52.34	-30.00	-22.34	15.03	3	Horizontal	360	1.5	-	-67.37	55.21	13.11	53.29

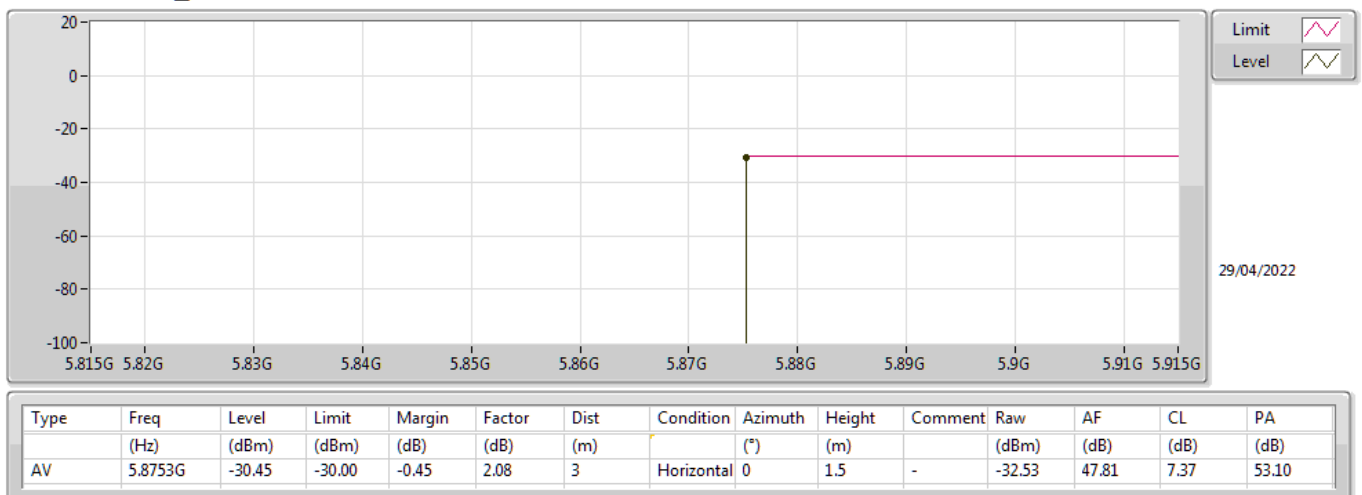
802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX



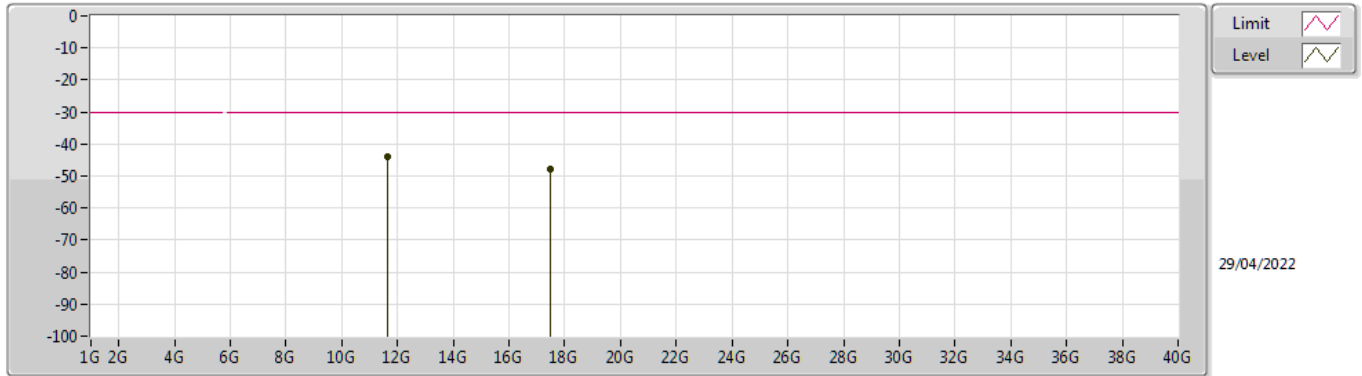
802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX



802.11ax HEW20_Nss1,(MCS0)_2TX

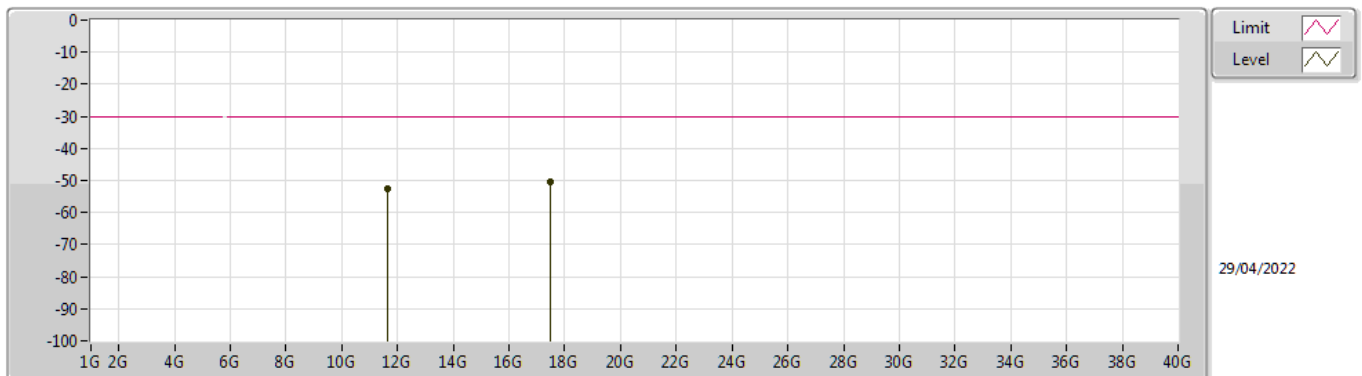
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.6475G	-43.96	-30.00	-13.96	6.12	3	Vertical	360	1.5	-	-50.08	50.30	10.67	54.85
AV	17.47613G	-47.89	-30.00	-17.89	13.06	3	Vertical	360	1.5	-	-60.95	53.41	13.21	53.56

802.11ax HEW20_Nss1,(MCS0)_2TX

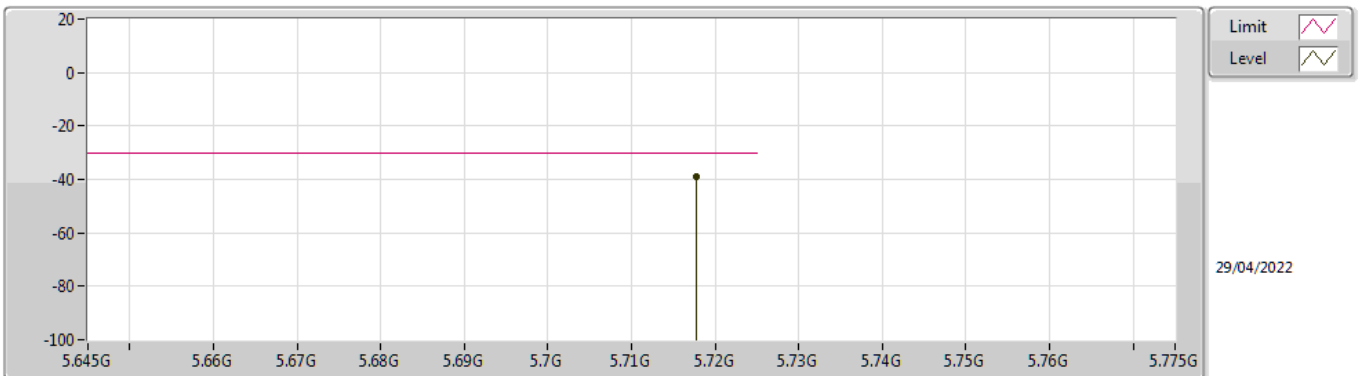
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.64888G	-52.49	-30.00	-22.49	5.32	3	Horizontal	0	1.5	-	-57.81	49.49	10.68	54.85
AV	17.47063G	-50.63	-30.00	-20.63	13.12	3	Horizontal	0	1.5	-	-63.75	53.47	13.21	53.56

802.11ax HEW40_Nss1,(MCS0)_2TX

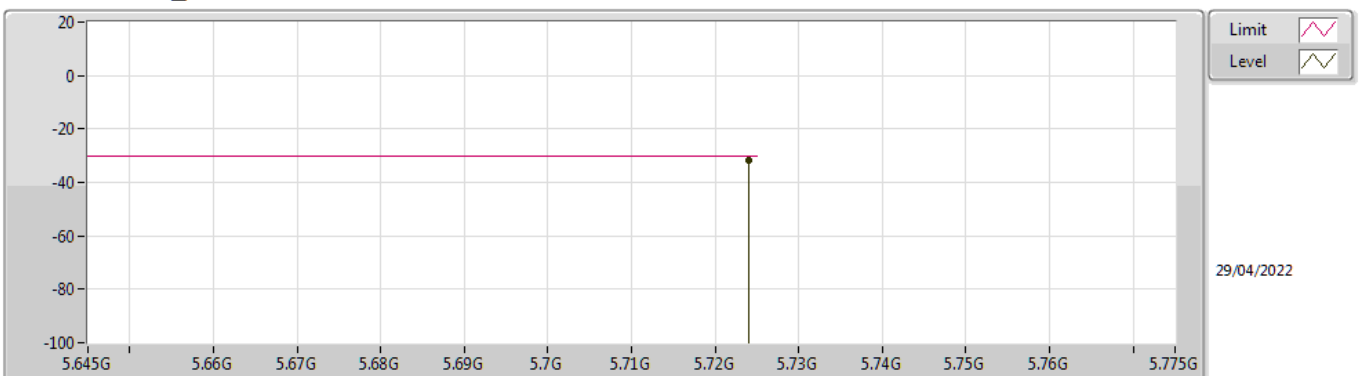
5755MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.7178G	-38.94	-30.00	-8.94	0.69	3	Vertical	0	1.5	-	-39.63	46.35	7.29	52.95

802.11ax HEW40_Nss1,(MCS0)_2TX

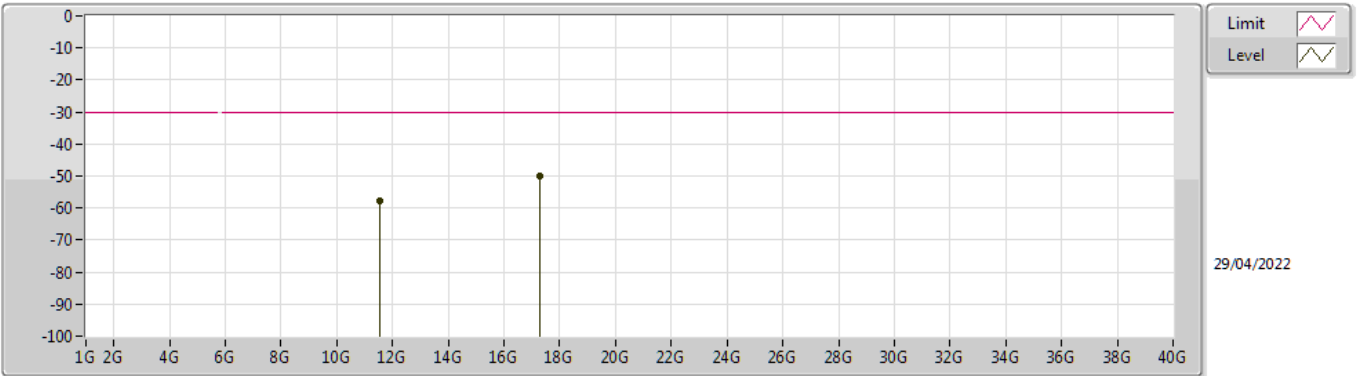
5755MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.7240G	-31.49	-30.00	-1.49	2.11	3	Horizontal	360	1.5	-	-33.60	47.78	7.29	52.96

802.11ax HEW40_Nss1,(MCS0)_2TX

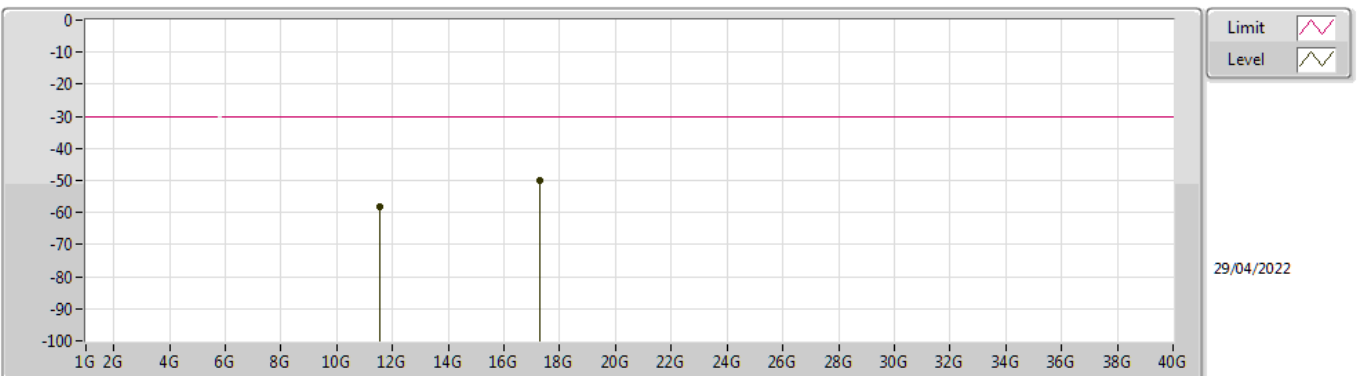
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.52375G	-57.72	-30.00	-27.72	5.06	3	Vertical	0	1.5	-	-62.78	49.65	10.60	55.19
AV	17.27675G	-50.18	-30.00	-20.18	15.47	3	Vertical	0	1.5	-	-65.65	55.68	13.13	53.34

802.11ax HEW40_Nss1,(MCS0)_2TX

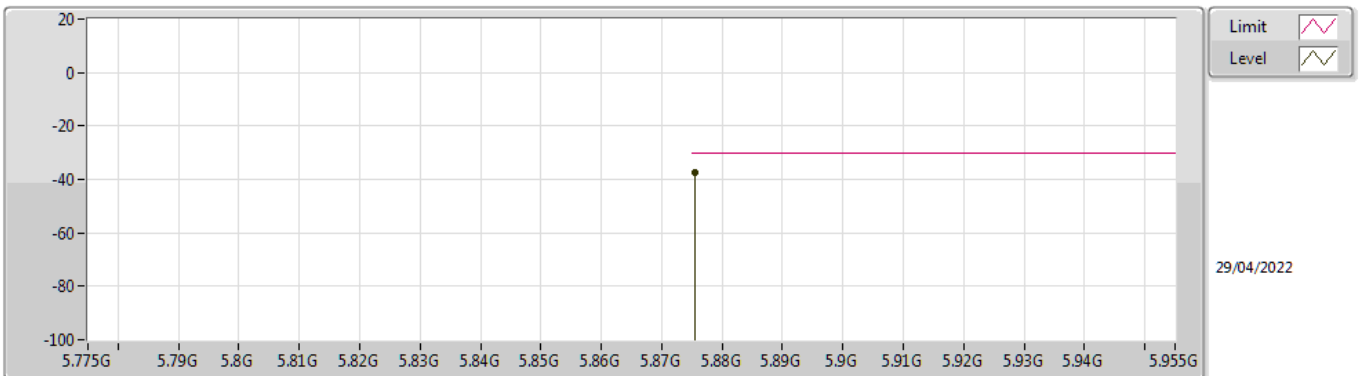
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.52513G	-58.22	-30.00	-28.22	4.29	3	Horizontal	360	1.5	-	-62.51	48.87	10.60	55.18
AV	17.27125G	-50.21	-30.00	-20.21	15.44	3	Horizontal	360	1.5	-	-65.65	55.64	13.13	53.33

802.11ax HEW40_Nss1,(MCS0)_2TX

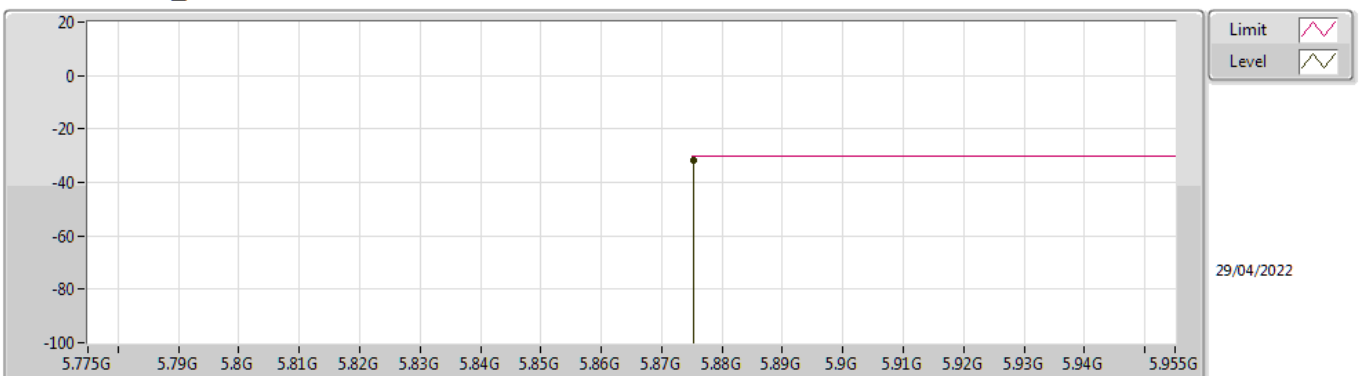
5795MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.87562G	-37.54	-30.00	-7.54	0.75	3	Vertical	360	1.5	-	-38.29	46.48	7.37	53.10

802.11ax HEW40_Nss1,(MCS0)_2TX

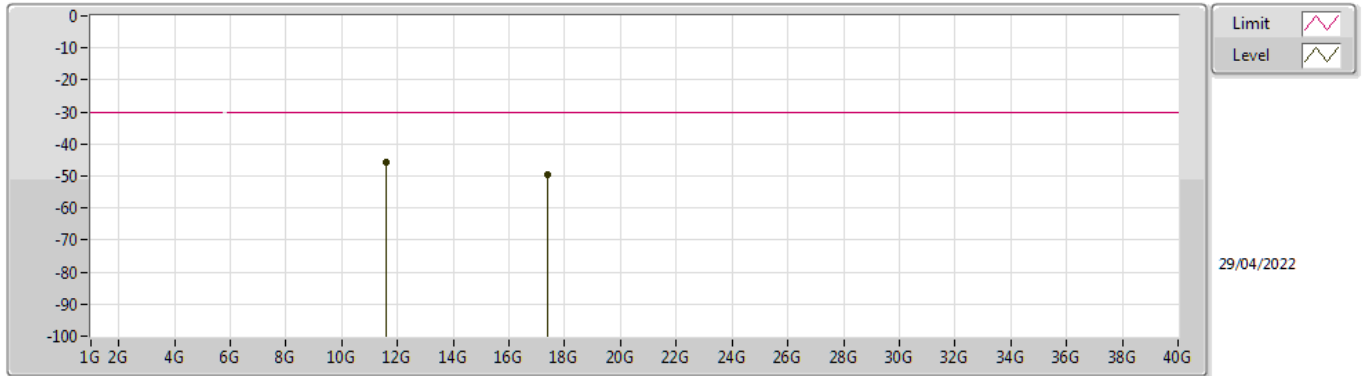
5795MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.87526G	-31.67	-30.00	-1.67	2.08	3	Horizontal	0	1.5	-	-33.75	47.81	7.37	53.10

802.11ax HEW40_Nss1,(MCS0)_2TX

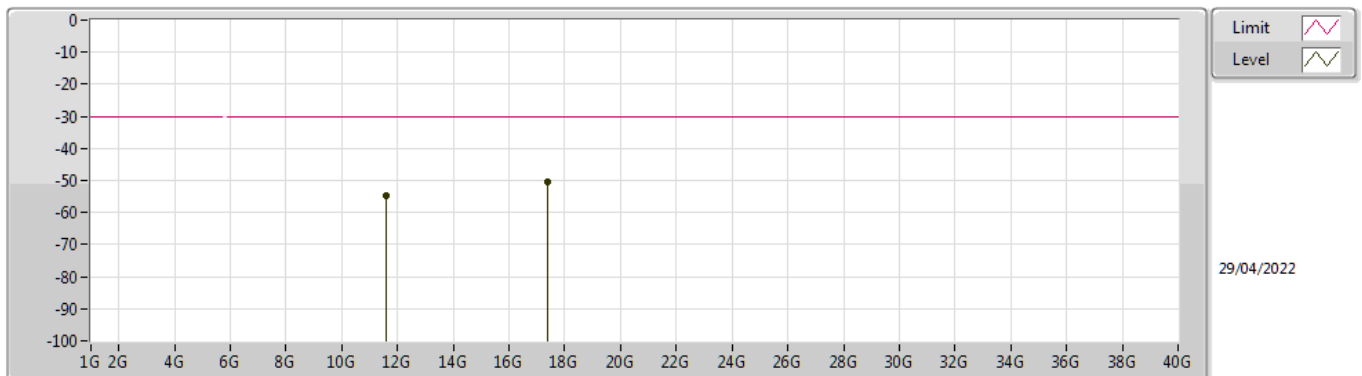
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.58975G	-45.85	-30.00	-15.85	5.21	3	Vertical	360	1.5	-	-51.06	49.58	10.64	55.01
AV	17.39225G	-49.64	-30.00	-19.64	14.15	3	Vertical	360	1.5	-	-63.79	54.44	13.18	53.47

802.11ax HEW40_Nss1,(MCS0)_2TX

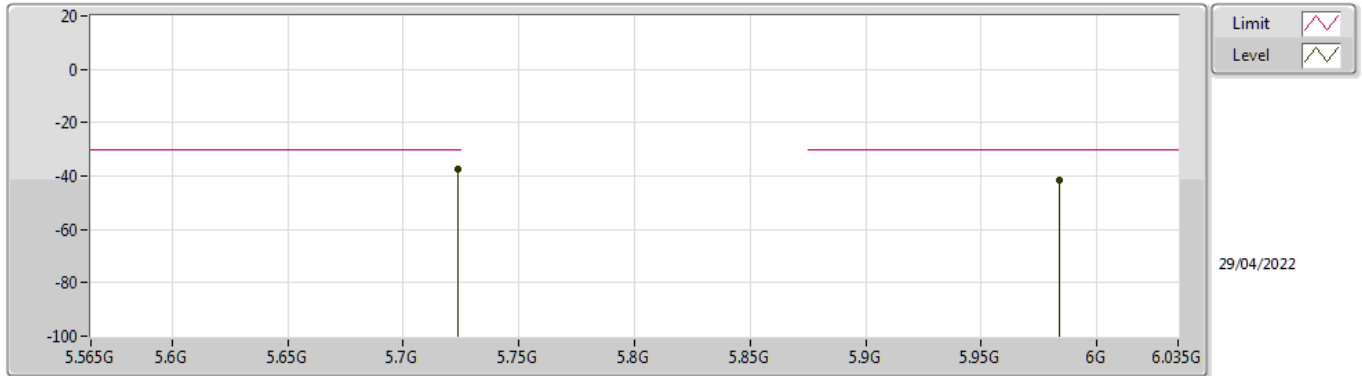
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.58563G	-54.54	-30.00	-24.54	4.46	3	Horizontal	0	1.5	-	-59.00	48.84	10.64	55.02
AV	17.37025G	-50.61	-30.00	-20.61	14.56	3	Horizontal	0	1.5	-	-65.17	54.83	13.17	53.44

802.11ax HEW80_Nss1,(MCS0)_2TX

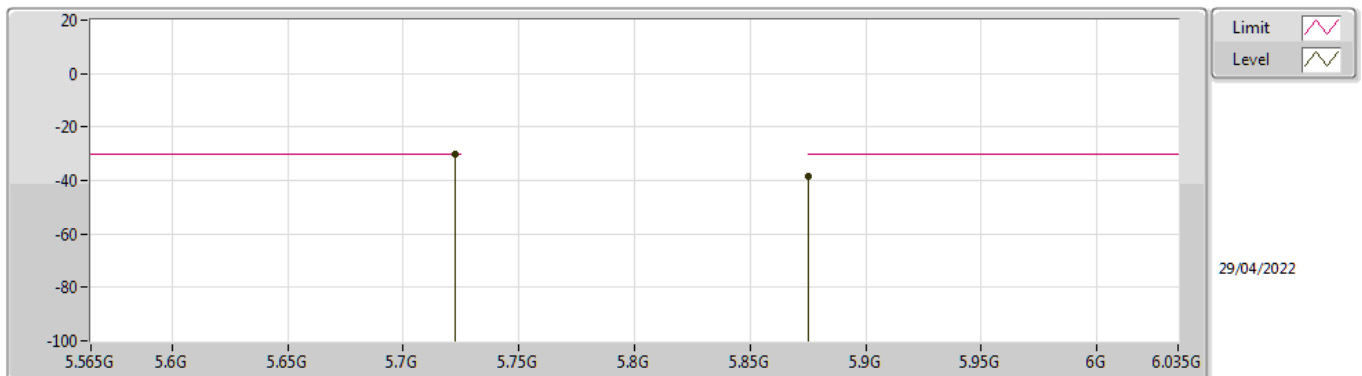
5775MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.72386G	-37.62	-30.00	-7.62	0.60	3	Vertical	0	1.5	-	-38.22	46.27	7.29	52.96
AV	5.98377G	-41.61	-30.00	-11.61	1.25	3	Vertical	0	1.5	-	-42.86	47.02	7.43	53.20

802.11ax HEW80_Nss1,(MCS0)_2TX

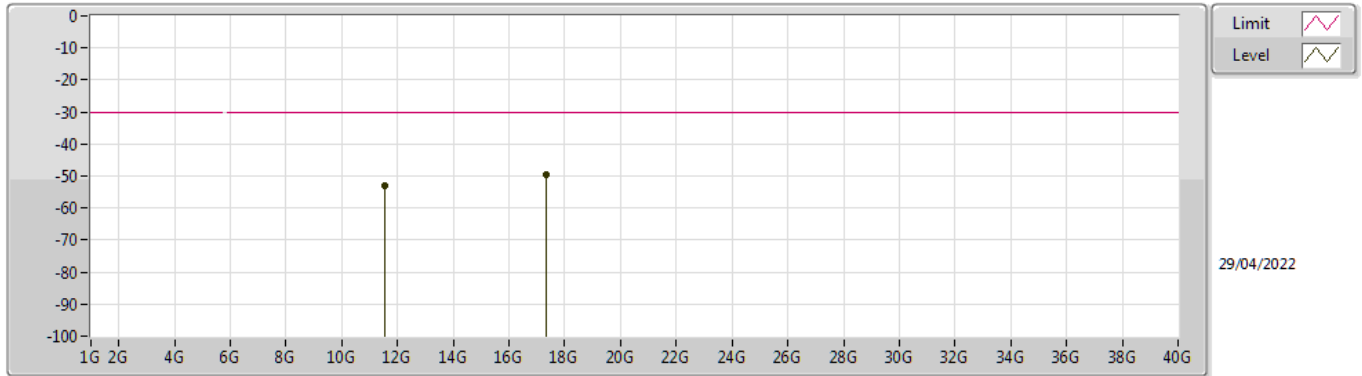
5775MHz_TX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	5.72245G	-30.43	-30.00	-0.43	2.13	3	Horizontal	360	1.5	-	-32.56	47.79	7.29	52.95
AV	5.875G	-38.45	-30.00	-8.45	2.08	3	Horizontal	360	1.5	-	-40.53	47.81	7.37	53.10

802.11ax HEW80_Nss1,(MCS0)_2TX

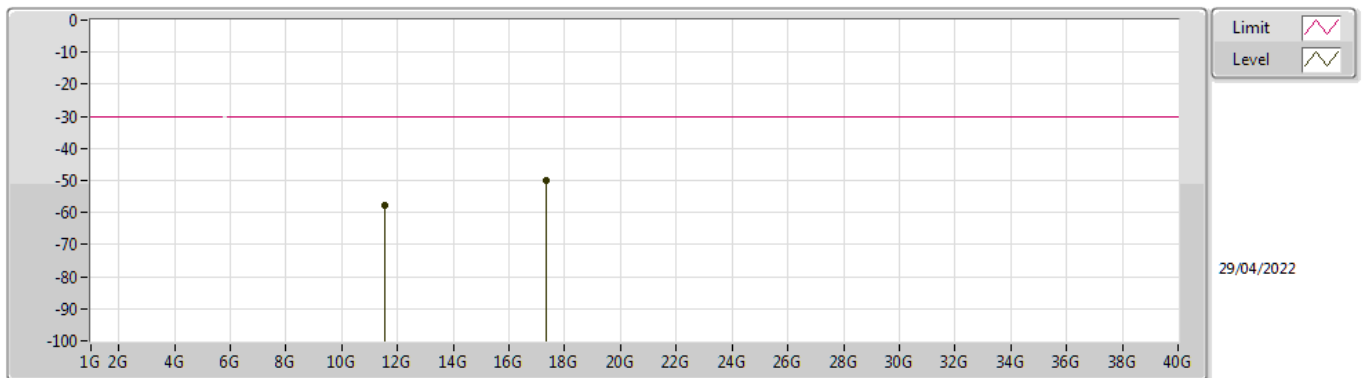
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.54438G	-53.16	-30.00	-23.16	5.11	3	Vertical	360	1.5	-	-58.27	49.63	10.61	55.13
AV	17.33175G	-49.61	-30.00	-19.61	15.17	3	Vertical	360	1.5	-	-64.78	55.42	13.15	53.40

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
AV	11.52375G	-57.92	-30.00	-27.92	4.29	3	Horizontal	0	1.5	-	-62.21	48.88	10.60	55.19
AV	17.34825G	-49.85	-30.00	-19.85	14.92	3	Horizontal	0	1.5	-	-64.77	55.18	13.16	53.42



Summary

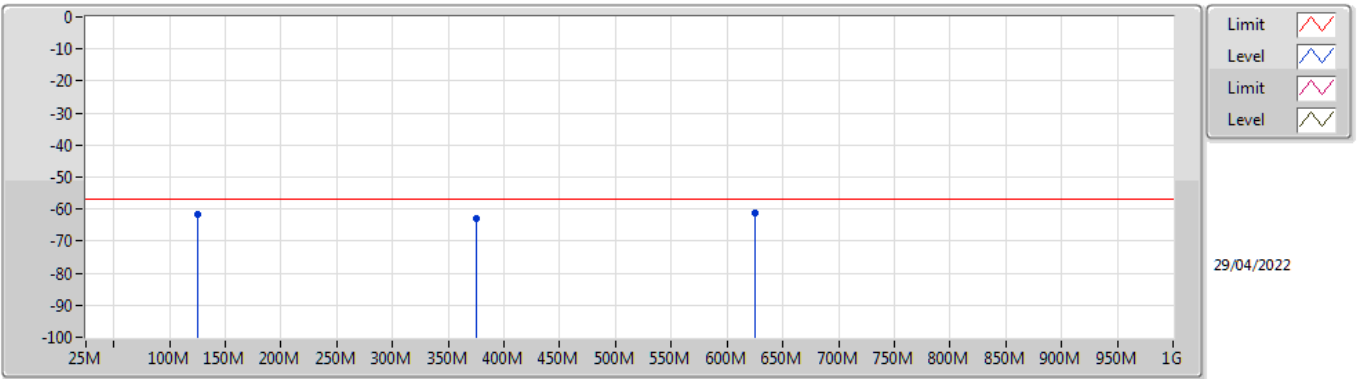
Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.875GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_(MCS0)_RX	Pass	QP	375.01M	-58.88	-57.00	-1.88	2.75	3	Horizontal	179	1.5	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_(MCS0)_RX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz_RX	Pass	PK	124.94M	-61.44	-57.00	-4.44	1.52	3	Vertical	0	1.5	-
5775MHz_RX	Pass	PK	375.03M	-63.06	-57.00	-6.06	3.55	3	Vertical	0	1.5	-
5775MHz_RX	Pass	PK	624.99M	-61.22	-57.00	-4.22	8.01	3	Vertical	0	1.5	-
5775MHz_RX	Pass	QP	375.01M	-58.88	-57.00	-1.88	2.75	3	Horizontal	179	1.5	-
5775MHz_RX	Pass	PK	624.99M	-60.04	-57.00	-3.04	8.25	3	Horizontal	360	1.5	-
5775MHz_RX	Pass	PK	750.03M	-60.16	-57.00	-3.16	10.16	3	Horizontal	360	1.5	-

802.11ax HEW80_(MCS0)_RX

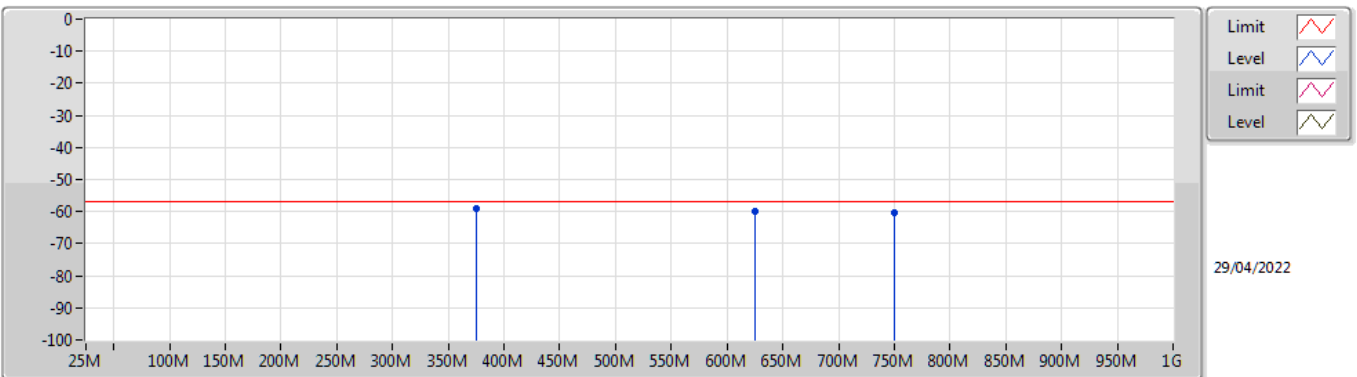
5775MHz_RX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
PK	124.94M	-61.44	-57.00	-4.44	1.52	3	Vertical	0	1.5	-	-62.96	27.71	1.60	27.79
PK	375.03M	-63.06	-57.00	-6.06	3.55	3	Vertical	0	1.5	-	-66.61	28.49	2.71	27.65
PK	624.99M	-61.22	-57.00	-4.22	8.01	3	Vertical	0	1.5	-	-69.23	33.03	3.45	28.47

802.11ax HEW80_(MCS0)_RX

5775MHz_RX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBm)	(dBm)	(dB)	(dB)	(m)		(°)	(m)		(dBm)	(dB)	(dB)	(dB)
QP	375.01M	-58.88	-57.00	-1.88	2.75	3	Horizontal	179	1.5	-	-61.63	27.69	2.71	27.65
PK	624.99M	-60.04	-57.00	-3.04	8.25	3	Horizontal	360	1.5	-	-68.29	33.27	3.45	28.47
PK	750.03M	-60.16	-57.00	-3.16	10.16	3	Horizontal	360	1.5	-	-70.32	34.67	3.76	28.27

**Summary**

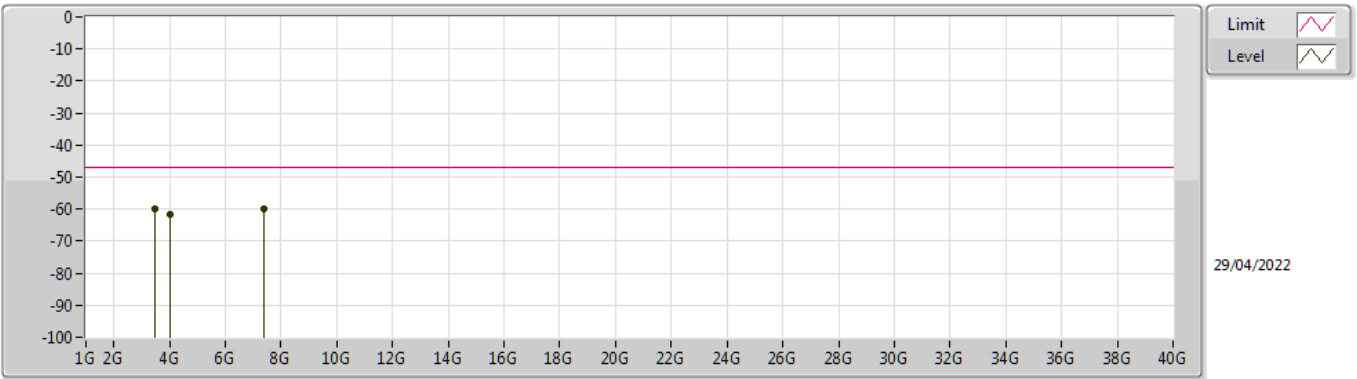
Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.875GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_(MCS0)_RX	Pass	AV	7.4005G	-59.77	-47.00	-12.77	2.24	3	Vertical	360	1.5	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_(MCS0)_RX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz_RX	Pass	AV	3.465G	-59.79	-47.00	-12.79	-1.71	3	Vertical	360	1.5	-
5775MHz_RX	Pass	AV	4.0005G	-61.66	-47.00	-14.66	-1.33	3	Vertical	360	1.5	-
5775MHz_RX	Pass	AV	7.4005G	-59.77	-47.00	-12.77	2.24	3	Vertical	360	1.5	-
5775MHz_RX	Pass	AV	2.43438G	-60.26	-47.00	-13.26	-1.21	3	Horizontal	0	1.5	-
5775MHz_RX	Pass	AV	4.36813G	-60.06	-47.00	-13.06	1.80	3	Horizontal	0	1.5	-
5775MHz_RX	Pass	AV	6.86075G	-59.79	-47.00	-12.79	1.84	3	Horizontal	0	1.5	-

802.11ax HEW80_(MCS0)_RX

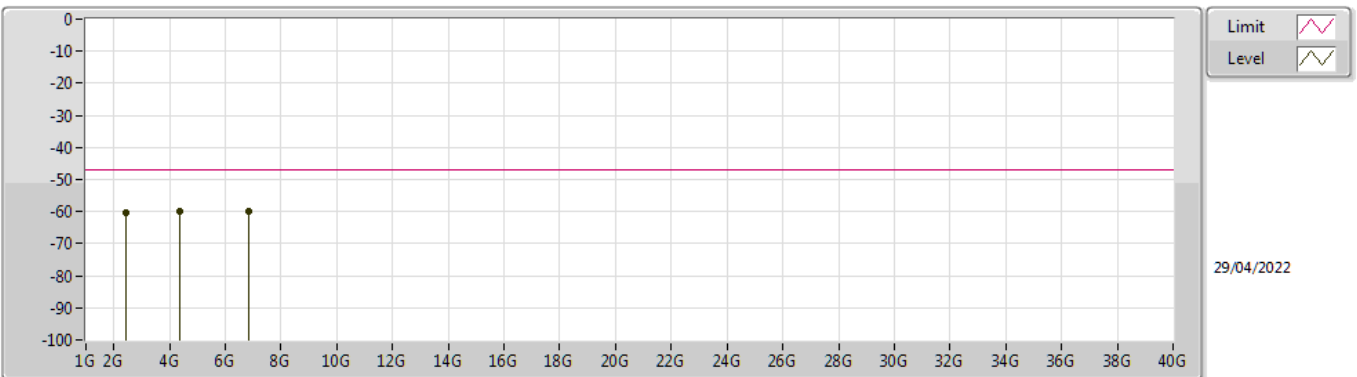
5775MHz_RX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	3.465G	-59.79	-47.00	-12.79	-1.71	3	Vertical	360	1.5	-	-58.08	44.39	5.82	51.92
AV	4.0005G	-61.66	-47.00	-14.66	-1.33	3	Vertical	360	1.5	-	-60.33	44.54	6.21	52.08
AV	7.4005G	-59.77	-47.00	-12.77	2.24	3	Vertical	360	1.5	-	-62.01	47.90	8.24	53.90

802.11ax HEW80_(MCS0)_RX

5775MHz_RX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	2.43438G	-60.26	-47.00	-13.26	-1.21	3	Horizontal	0	1.5	-	-59.05	45.76	4.88	51.85
AV	4.36813G	-60.06	-47.00	-13.06	1.80	3	Horizontal	0	1.5	-	-61.86	47.48	6.47	52.15
AV	6.86075G	-59.79	-47.00	-12.79	1.84	3	Horizontal	0	1.5	-	-61.63	47.76	7.80	53.72



Summary

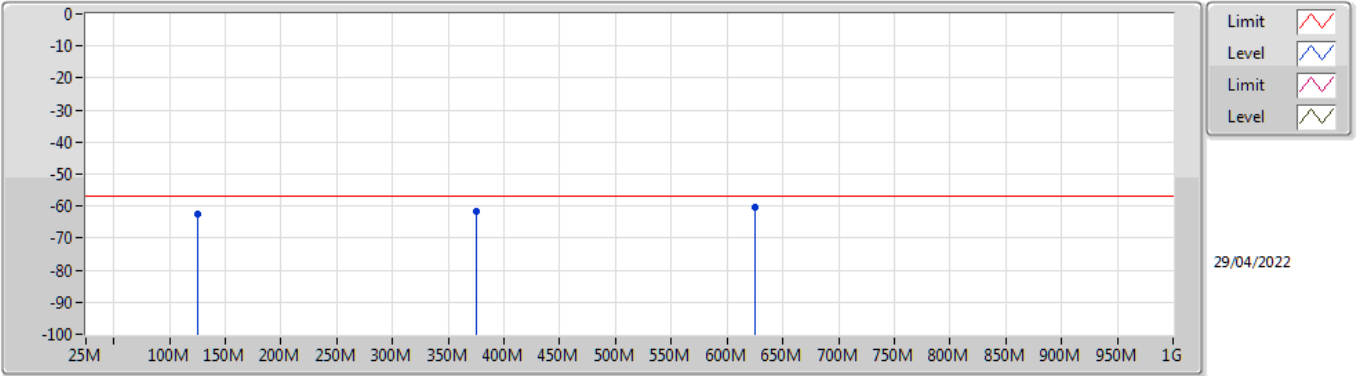
Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.875GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_(MCS0)_RX	Pass	QP	375.01M	-58.66	-57.00	-1.66	2.75	3	Horizontal	191	1.5	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_(MCS0)_RX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz_RX	Pass	PK	124.94M	-62.34	-57.00	-5.34	1.52	3	Vertical	0	1.5	-
5775MHz_RX	Pass	PK	375.03M	-61.59	-57.00	-4.59	3.55	3	Vertical	0	1.5	-
5775MHz_RX	Pass	PK	625.11M	-60.41	-57.00	-3.41	8.00	3	Vertical	0	1.5	-
5775MHz_RX	Pass	QP	250.01M	-59.80	-57.00	-2.80	1.66	3	Horizontal	270	1.5	-
5775MHz_RX	Pass	QP	375.01M	-58.66	-57.00	-1.66	2.75	3	Horizontal	191	1.5	-
5775MHz_RX	Pass	PK	500.07M	-62.01	-57.00	-5.01	5.47	3	Horizontal	360	1.5	-

802.11ax HEW80_(MCS0)_RX

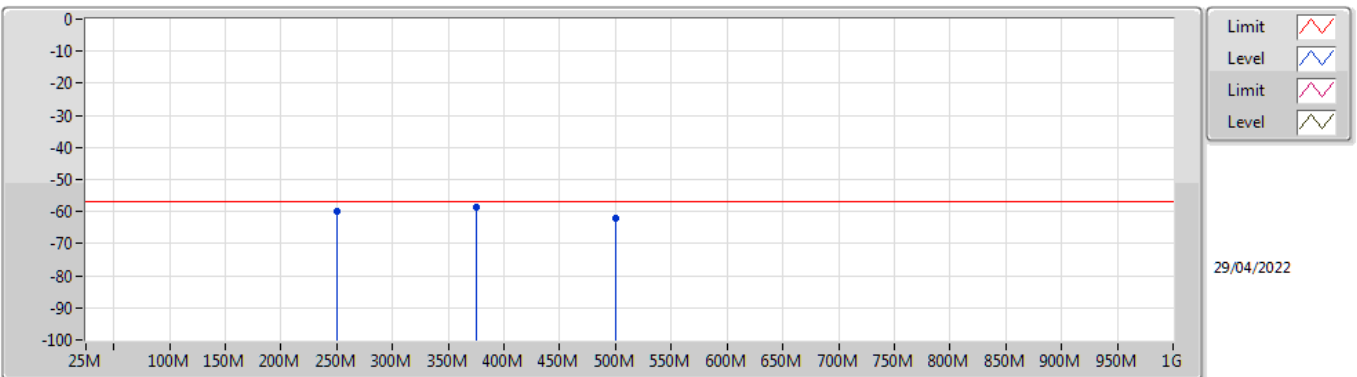
5775MHz_RX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
PK	124.94M	-62.34	-57.00	-5.34	1.52	3	Vertical	0	1.5	-	-63.86	27.71	1.60	27.79
PK	375.03M	-61.59	-57.00	-4.59	3.55	3	Vertical	0	1.5	-	-65.14	28.49	2.71	27.65
PK	625.11M	-60.41	-57.00	-3.41	8.00	3	Vertical	0	1.5	-	-68.41	33.03	3.45	28.48

802.11ax HEW80_(MCS0)_RX

5775MHz_RX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
QP	250.01M	-59.80	-57.00	-2.80	1.66	3	Horizontal	270	1.5	-	-61.46	26.50	2.24	27.08
QP	375.01M	-58.66	-57.00	-1.66	2.75	3	Horizontal	191	1.5	-	-61.41	27.69	2.71	27.65
PK	500.07M	-62.01	-57.00	-5.01	5.47	3	Horizontal	360	1.5	-	-67.48	30.72	3.10	28.35



Summary

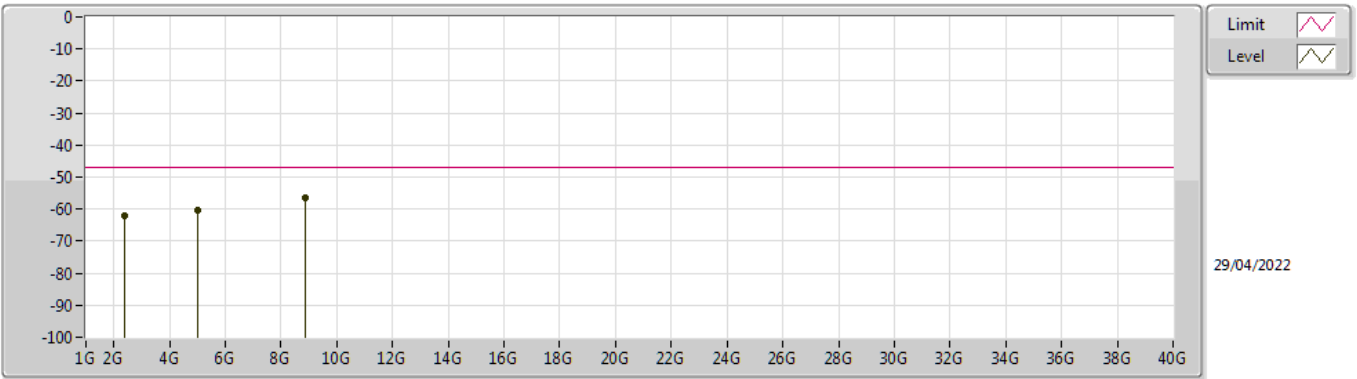
Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.875GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_(MCS0)_RX	Pass	AV	8.8455G	-56.37	-47.00	-9.37	3.96	3	Vertical	360	1.5	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_(MCS0)_RX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz_RX	Pass	AV	2.40038G	-61.96	-47.00	-14.96	-3.42	3	Vertical	360	1.5	-
5775MHz_RX	Pass	AV	4.99288G	-60.35	-47.00	-13.35	0.19	3	Vertical	360	1.5	-
5775MHz_RX	Pass	AV	8.8455G	-56.37	-47.00	-9.37	3.96	3	Vertical	360	1.5	-
5775MHz_RX	Pass	AV	3.19725G	-60.25	-47.00	-13.25	0.69	3	Horizontal	0	1.5	-
5775MHz_RX	Pass	AV	6.13613G	-58.77	-47.00	-11.77	2.62	3	Horizontal	0	1.5	-
5775MHz_RX	Pass	AV	8.837G	-58.68	-47.00	-11.68	2.65	3	Horizontal	0	1.5	-

802.11ax HEW80_(MCS0)_RX

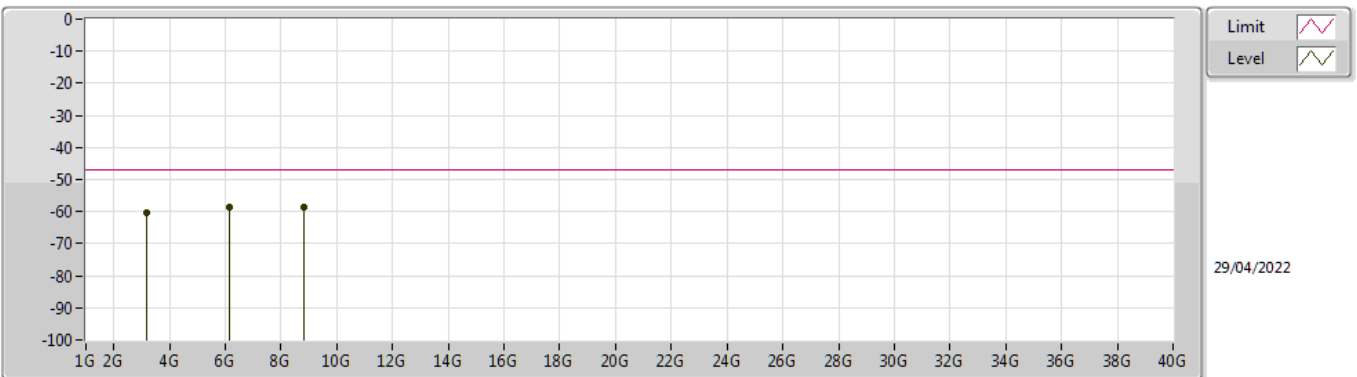
5775MHz_RX



Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	2.40038G	-61.96	-47.00	-14.96	-3.42	3	Vertical	360	1.5	-	-58.54	43.59	4.85	51.86
AV	4.99288G	-60.35	-47.00	-13.35	0.19	3	Vertical	360	1.5	-	-60.54	45.77	6.84	52.42
AV	8.8455G	-56.37	-47.00	-9.37	3.96	3	Vertical	360	1.5	-	-60.33	49.52	8.94	54.50

802.11ax HEW80_(MCS0)_RX

5775MHz_RX



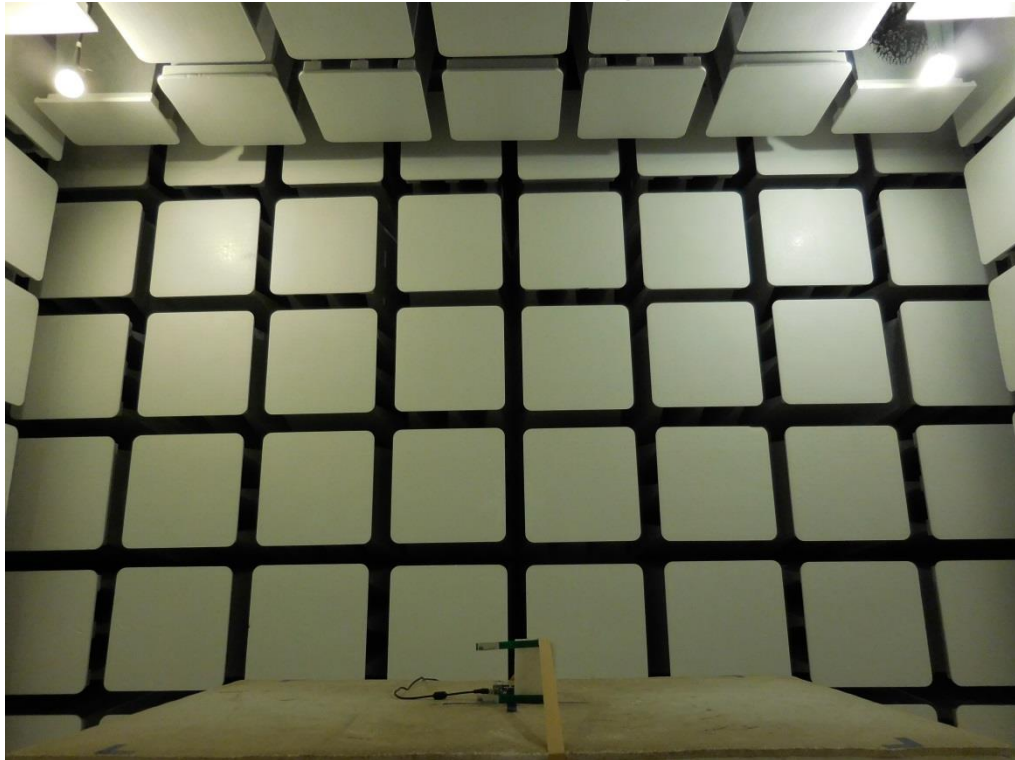
Type	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBm)	AF (dB)	CL (dB)	PA (dB)
AV	3.19725G	-60.25	-47.00	-13.25	0.69	3	Horizontal	0	1.5	-	-60.94	46.89	5.58	51.78
AV	6.13613G	-58.77	-47.00	-11.77	2.62	3	Horizontal	0	1.5	-	-61.39	48.47	7.48	53.33
AV	8.837G	-58.68	-47.00	-11.68	2.65	3	Horizontal	0	1.5	-	-61.33	48.23	8.93	54.51

Receiver category 3									
Bandwidth (MHz)	20		10times Bandwidth (MHz)		200		k Factor (dB)	Blocking Limit(dBm)	
Test Frequency (GHz)	Pmin (dBm)	Pmin + 3dB(dBm)	Low Blocking Frequency (MHz)	Blocking Level (dBm)	Upper Blocking Frequency (MHz)	Blocking Level (dBm)			
5.745	-91	-88	5545	-21	5945	-18	-28.20	<	-88.20
5.785	-88	-85	5585	-23	5985	-20	-28.26	<	-88.26
5.825	-88	-85	5625	-22	6025	-21	-28.32	<	-88.32
Bandwidth (MHz)	20		20times Bandwidth (MHz)		400		k Factor (dB)	Blocking Limit(dBm)	
Test Frequency (GHz)	Pmin (dBm)	Pmin + 3dB(dBm)	Low Blocking Frequency (MHz)	Blocking Level (dBm)	Upper Blocking Frequency (MHz)	Blocking Level (dBm)			
5.745	-91	-88	5345	-13	6145	-13	-28.20	<	-88.20
5.785	-88	-85	5385	-16	6185	-16	-28.26	<	-88.26
5.825	-88	-85	5425	-14	6225	-15	-28.32	<	-88.32
Bandwidth (MHz)	20		50times Bandwidth (MHz)		1000		k Factor (dB)	Blocking Limit(dBm)	
Test Frequency (GHz)	Pmin (dBm)	Pmin + 3dB(dBm)	Low Blocking Frequency (MHz)	Blocking Level (dBm)	Upper Blocking Frequency (MHz)	Blocking Level (dBm)			
5.745	-91	-88	4745	-13	6745	-13	-28.20	<	-88.20
5.785	-88	-85	4785	-16	6785	-15	-28.26	<	-88.26
5.825	-88	-85	4825	-17	6825	-16	-28.32	<	-88.32

1. Photographs of Radiated Emissions Test Configuration

PCB Antenna

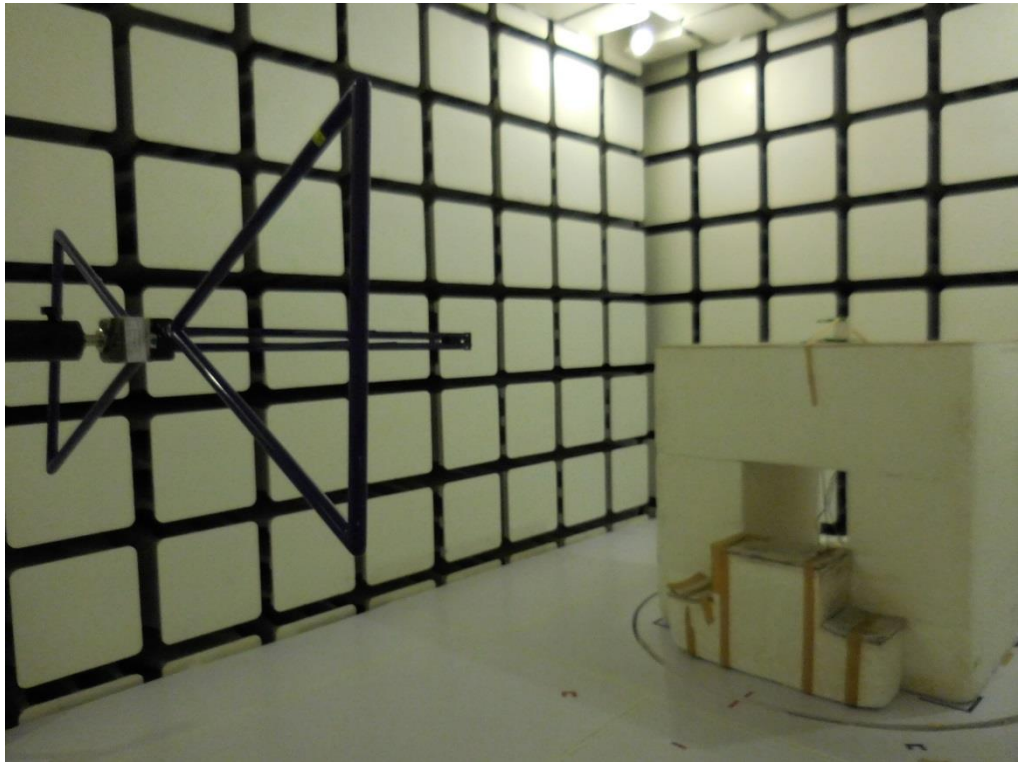
Front view



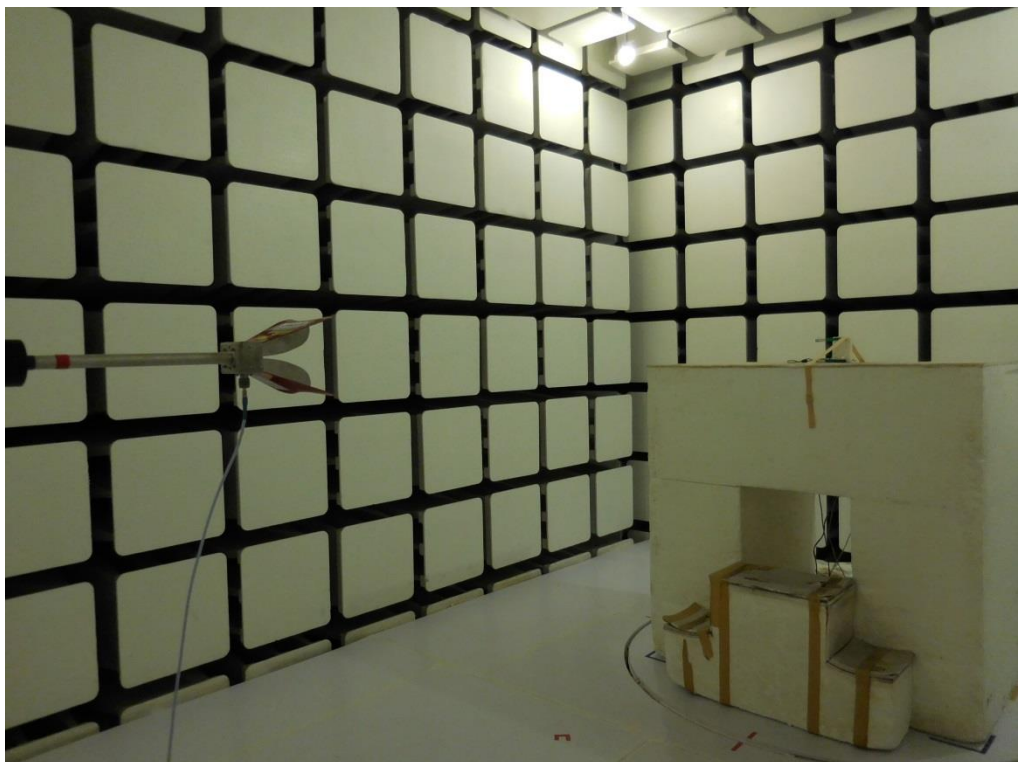
Rear view



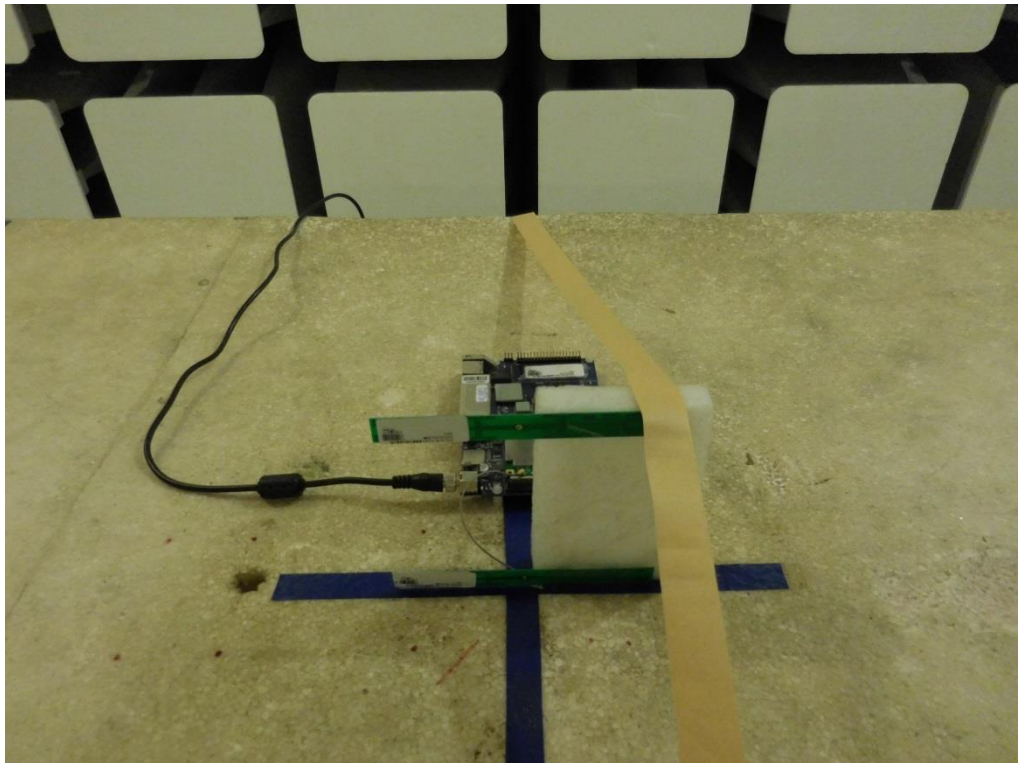
Bilog Antenna



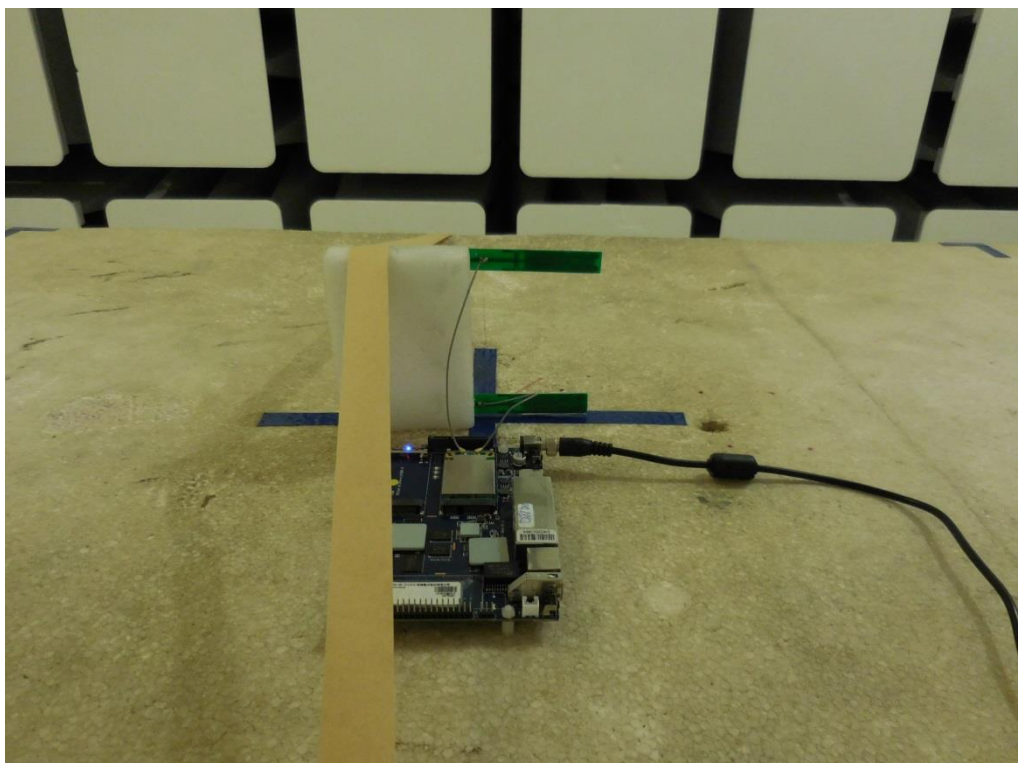
Horn Antenna



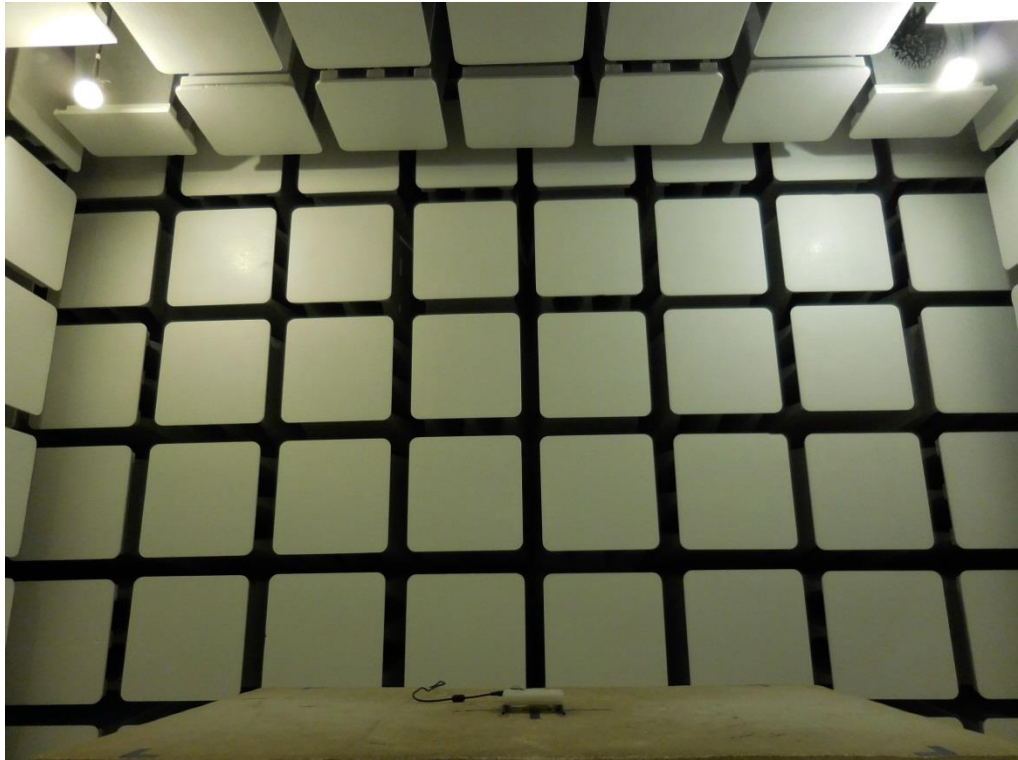
EUT take a close-up



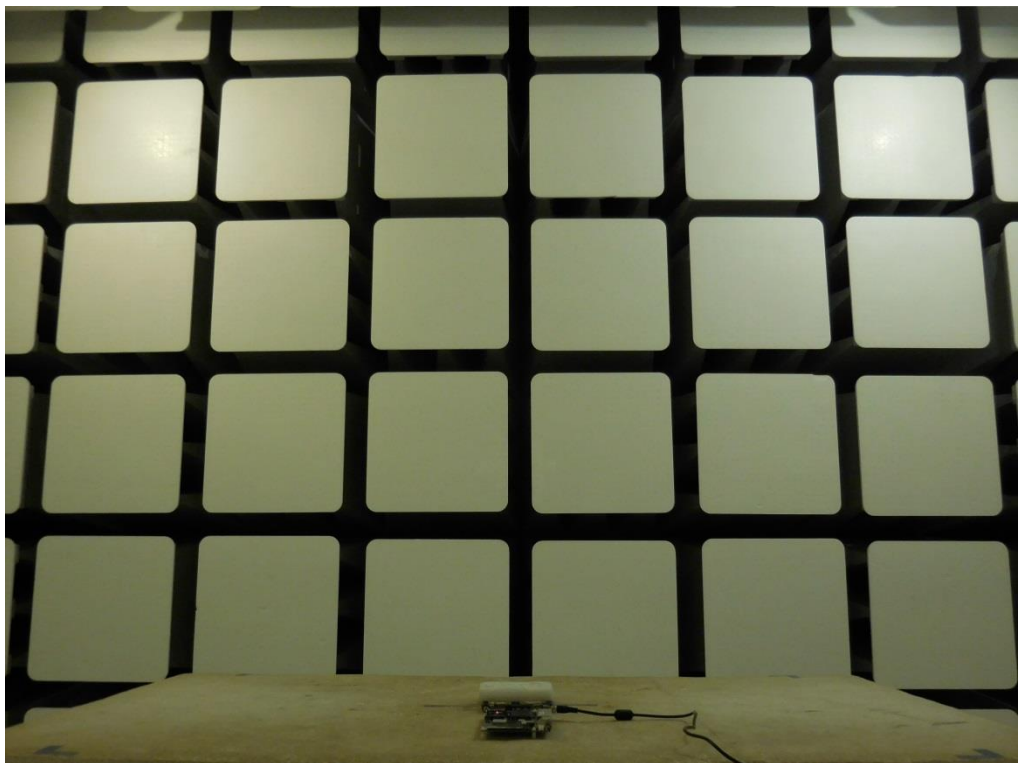
EUT take a close-up



Dipole Antenna

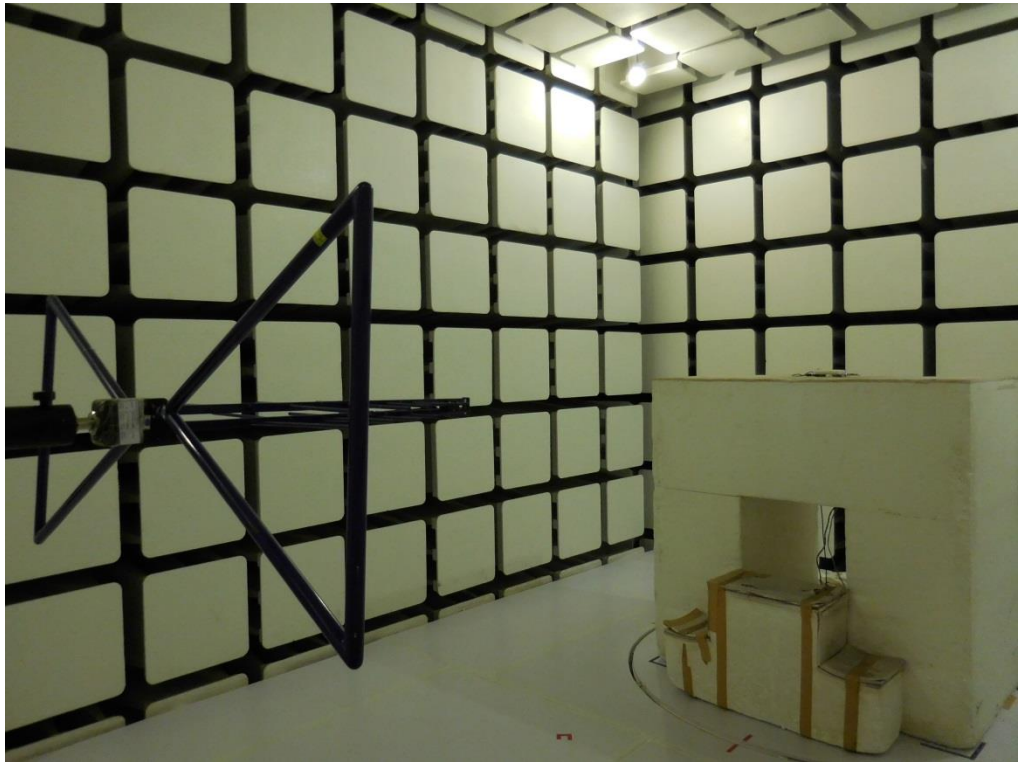


Front view

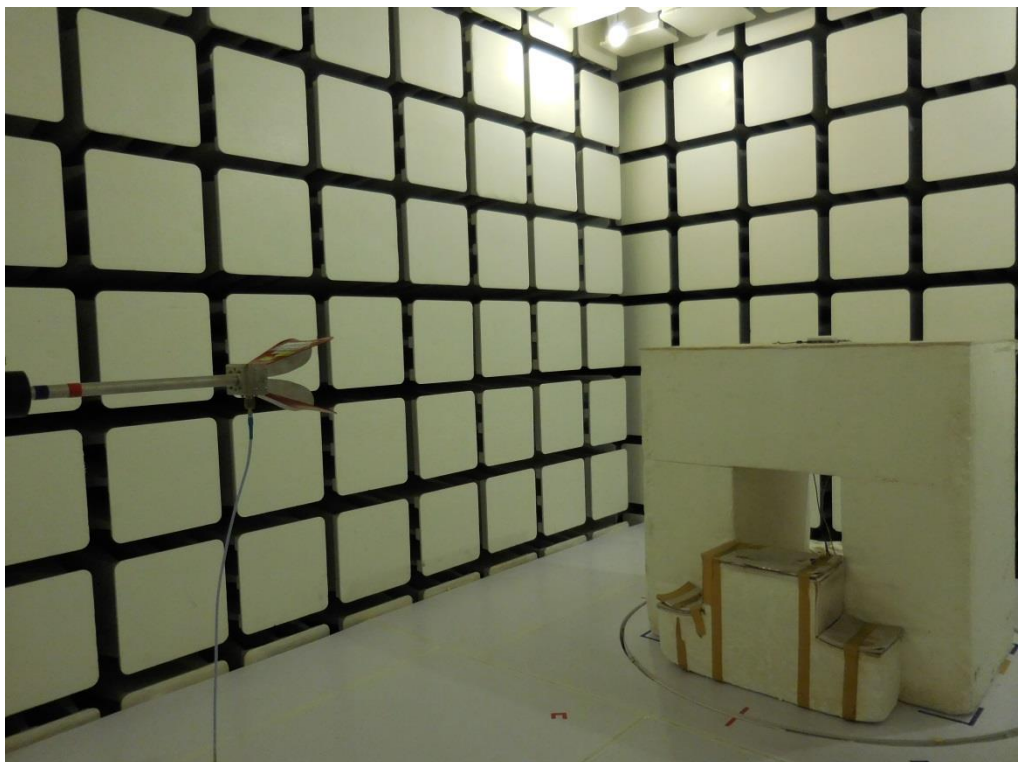


Rear view

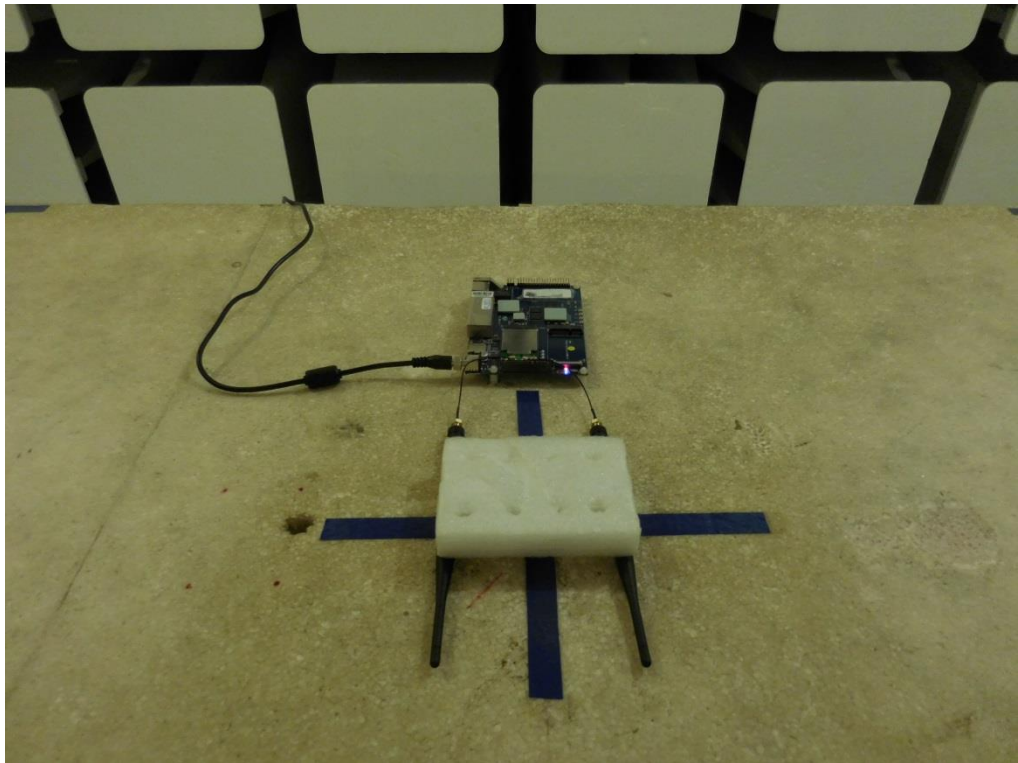
Bilog Antenna



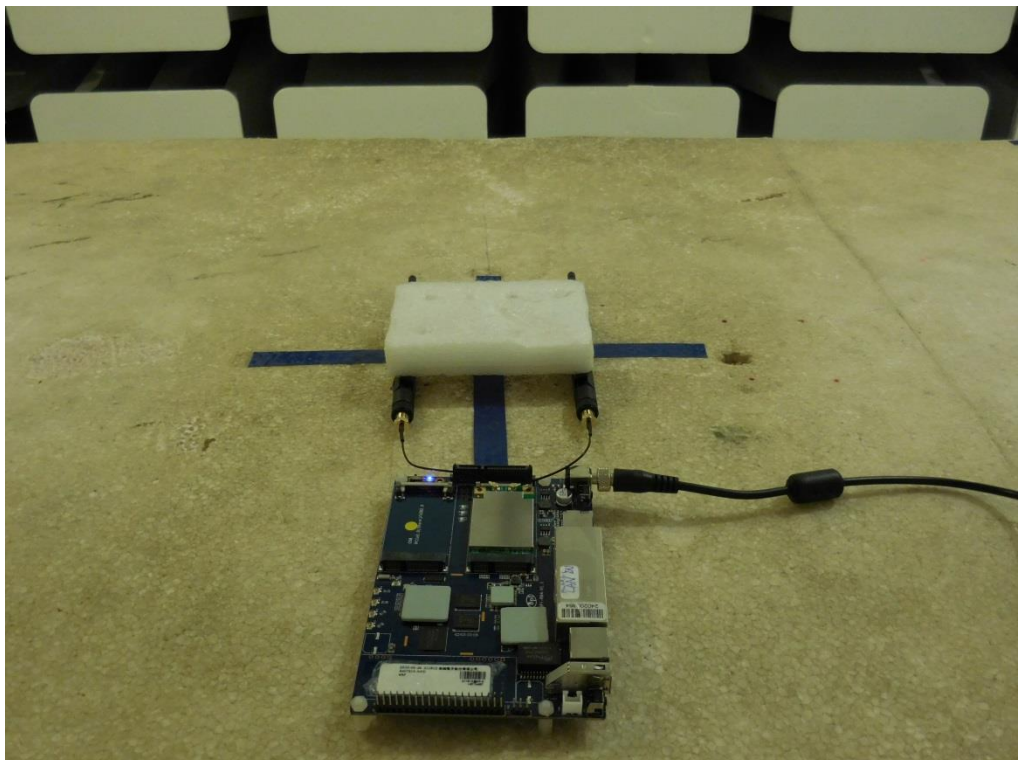
Horn Antenna



EUT take a close-up

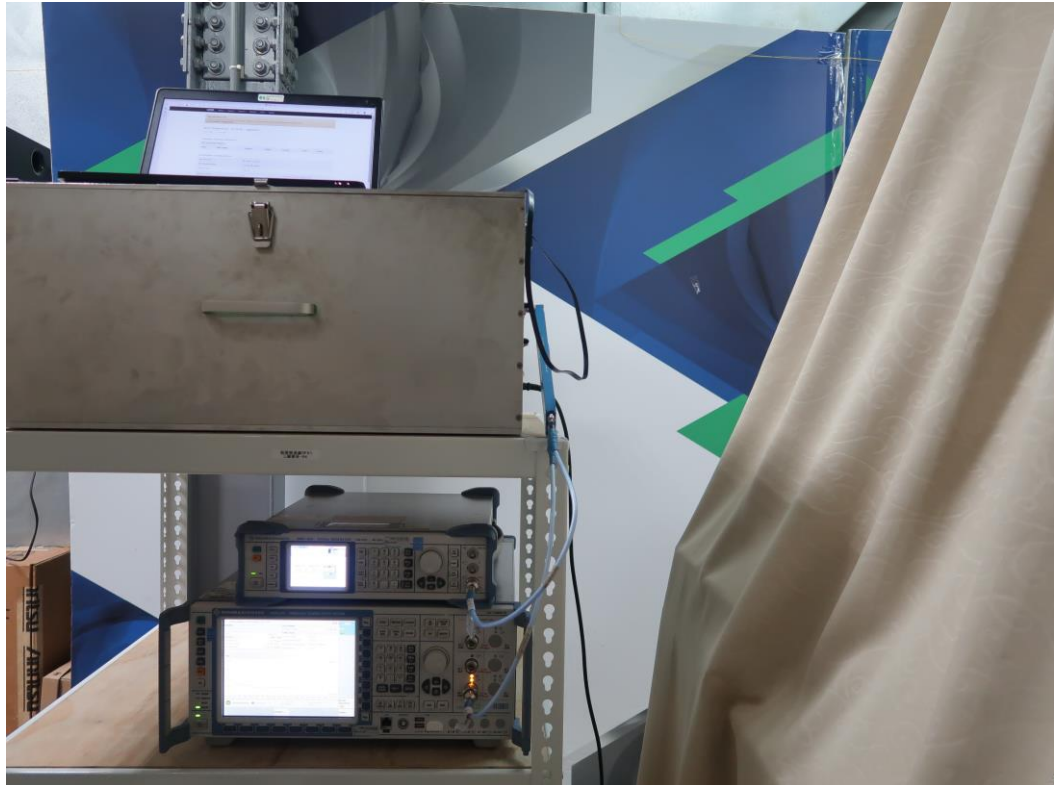


EUT take a close-up

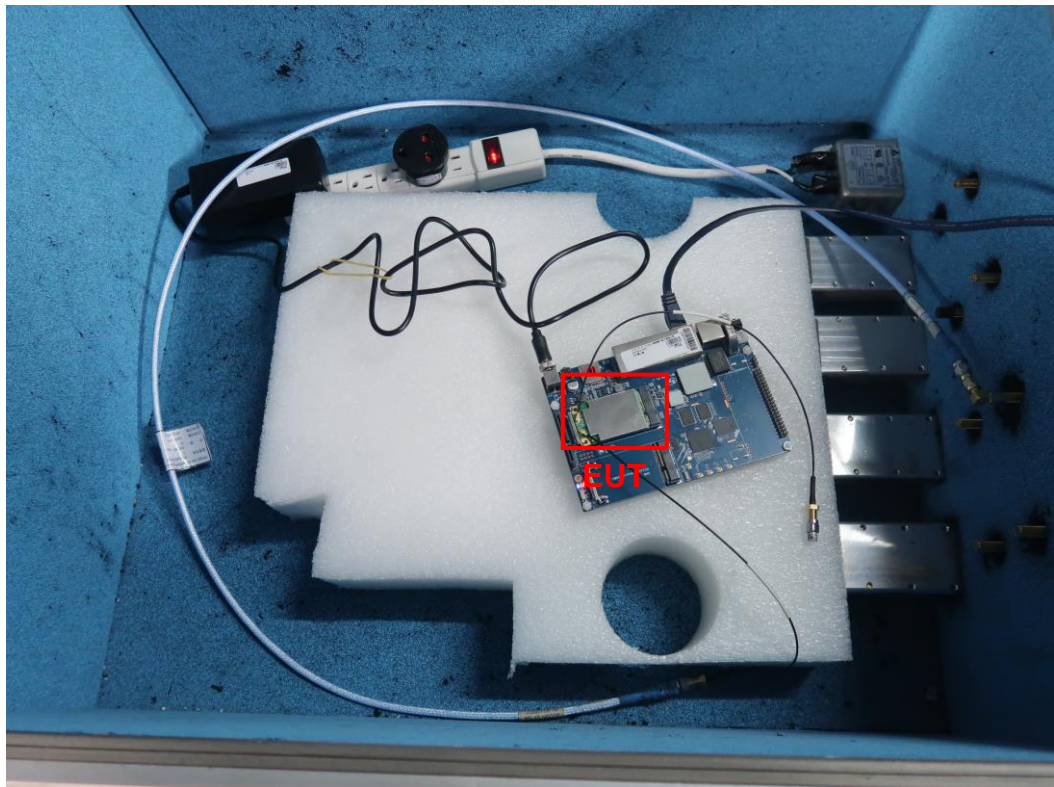


2. Photographs of Blocking Test Configuration

Front view



EUT close-up photo



————THE END————