Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	MSQ-RTAX8300
Equipment	:	AX1800 + AV1300 Dual-band Powerline Mesh WiFi6 Router, ZenWiFi Hybrid Mesh Wi-Fi System
Brand Name	:	ASUS
Model Name	:	XP4, XP4R, XP4 Router
Applicant	:	ASUSTeK COMPUTER INC. 1F., No. 15, Lide Rd., Beitou, Taipei 112, Taiwan
Manufacturer	:	ASUSTeK COMPUTER INC. 1F., No. 15, Lide Rd., Beitou, Taipei 112, Taiwan
Standard	:	47 CFR FCC Part 15.407

The product was received on Dec. 16, 2020, and testing was started from Dec. 17, 2020 and completed on Apr. 21, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR042147AB	01	Initial issue of report	May 04, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
Reference to Sporton Project No.: 042147-01				

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

Reviewed by: Sam Chen

Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a	20	2
5.15-5.25GHz	HT20	20	2
5.15-5.25GHz	HT20-BF	20	2
5.15-5.25GHz	VHT20	20	2
5.15-5.25GHz	VHT20-BF	20	2
5.15-5.25GHz	HEW20	20	2
5.15-5.25GHz	HEW20-BF	20	2
5.15-5.25GHz	HT40	40	2
5.15-5.25GHz	HT40-BF	40	2
5.15-5.25GHz	VHT40	40	2
5.15-5.25GHz	VHT40-BF	40	2
5.15-5.25GHz	HEW40	40	2
5.15-5.25GHz	HEW40-BF	40	2
5.15-5.25GHz	VHT80	80	2
5.15-5.25GHz	VHT80-BF	80	2
5.15-5.25GHz	HEW80	80	2
5.15-5.25GHz	HEW80-BF	80	2
5.725-5.85GHz	HT20	20	2
5.725-5.85GHz	HT20-BF	20	2
5.725-5.85GHz	VHT20	20	2
5.725-5.85GHz	VHT20-BF	20	2
5.725-5.85GHz	HEW20	20	2

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	HEW20-BF	20	2
5.725-5.85GHz	HT40	40	2
5.725-5.85GHz	HT40-BF	40	2
5.725-5.85GHz	VHT40	40	2
5.725-5.85GHz	VHT40-BF	40	2
5.725-5.85GHz	HEW40	40	2
5.725-5.85GHz	HEW40-BF	40	2
5.725-5.85GHz	VHT80	80	2
5.725-5.85GHz	VHT80-BF	80	2
5.725-5.85GHz	HEW80	80	2
5.725-5.85GHz	HEW80-BF	80	2

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

1.1.2 Antenna Information

Ant.	2.4GHz Port	5GHz Port	Bluetooth Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	2	-	-	Xinsheng	8000000031071341	PCB Antenna	I-PEX	Note 1
2	1	-	-	Xinsheng	8000000031081341	PCB Antenna	I-PEX	
3	-	2	-	Xinsheng	8000000031091341	PCB Antenna	I-PEX	
4	-	1	-	Xinsheng	8000000031101341	PCB Antenna	I-PEX	
5	-	-	1	Xinsheng	8000000031071341	PCB Antenna	I-PEX	

Note1:

Ant.	Gain (dBi)		
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth
1	3.25	-	-
2	3.27	-	-
3	-	3.48	-
4	-	3.41	-
5	-	-	3.25

Note 2: The above information was declared by manufacturer.

For 2.4GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.939	0.27	1.977m	1k
802.11ax HEW20-BF	0.906	0.43	1.761m	1k
802.11ax HEW40-BF	0.965	0.15	1.761m	1k
802.11ax HEW80-BF	0.896	0.48	1.685m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	Internal power supply			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 11n/VHT/ax in 2.4GHz and 11n/ac/ax in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	For non-beamforming mode: QSPR (Version : 5.0-00195) For beamforming mode: telnet (Version 6.1.7601)			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Supports Functions

Function	Support Type
AP Router	Master
Mesh	Master

Note: After evaluating, there is only AP Router was selected to test and record in the report.

1.1.6 Table for Multiple Listing

Equipment Name	Model Name	Description
AX1800 + AV1300 Dual-band Powerline Mesh WiFi6 Router, ZenWiFi Hybrid Mesh Wi-Fi System	XP4, XP4R, XP4 Router	The variation of equipment name/model name is for the strategy of marketing. The circuit of each equipment name/model name is identical.

Note 1: From the above models, model: XP4R was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Jeff Wu	22.7~23.2 / 54~57	Jan. 13, 2021~Apr. 21, 2021
Radiated (For below 1GHz test)	03CH01-CB	KJ Chang	21.2~22.8 / 55~57	Dec. 26, 2020~Mar. 08, 2021
Radiated (For above 1GHz test)	03CH03-CB	KJ Chang	20.4~21.4 / 55~57	Dec. 26, 2020~Apr. 21, 2021
	03CH02-CB		20.5~21.8 / 55~58	
AC Conduction	CO02-CB	Wei Li	23~24 / 57~60	Dec. 17, 2020

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.4%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	20
5200MHz	26
5240MHz	27
5745MHz	27
5785MHz	27
5825MHz	27
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	26
5200MHz	29
5240MHz	29
5745MHz	29
5785MHz	29
5825MHz	29
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	21
5230MHz	28
5755MHz	28
5795MHz	29
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	23
5775MHz	27

Note:
- Evaluated HEW20/HEW40/HEW80 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.
- There are two modes of EUT for 802.11n/VHT/ax in 2.4GHz and 802.11n/ac/ax in 5GHz. One is beamforming mode, and the other is non-beamforming mode, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to test and record in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT-AP Router + Power cord

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	EUT + Power cord_2.4GHz
2	EUT + Power cord_5GHz
3	EUT + Power cord_Bluetooth
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	EUT + Power cord_5GHz

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA042147 for Co-location RF Exposure Evaluation.	

Note: The EUT can only use Y axis position.

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
Power cord*1, non-shielded, 1.5m
RJ-45 cable*1, non-shielded, 1.5m

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN1 NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	WAN NB	DELL	E6430	N/A
E	Smart phone	Samsung	Galaxy J2	A3LSMJ200F
F	HDD3.0	Transcend	TS1TSJ25A3K	N/A
G	LAN2 NB	DELL	E6430	N/A

For Radiated (below 1GHz):

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

For Radiated (above 1GHz) and RF Conducted:
For non beamforming mode

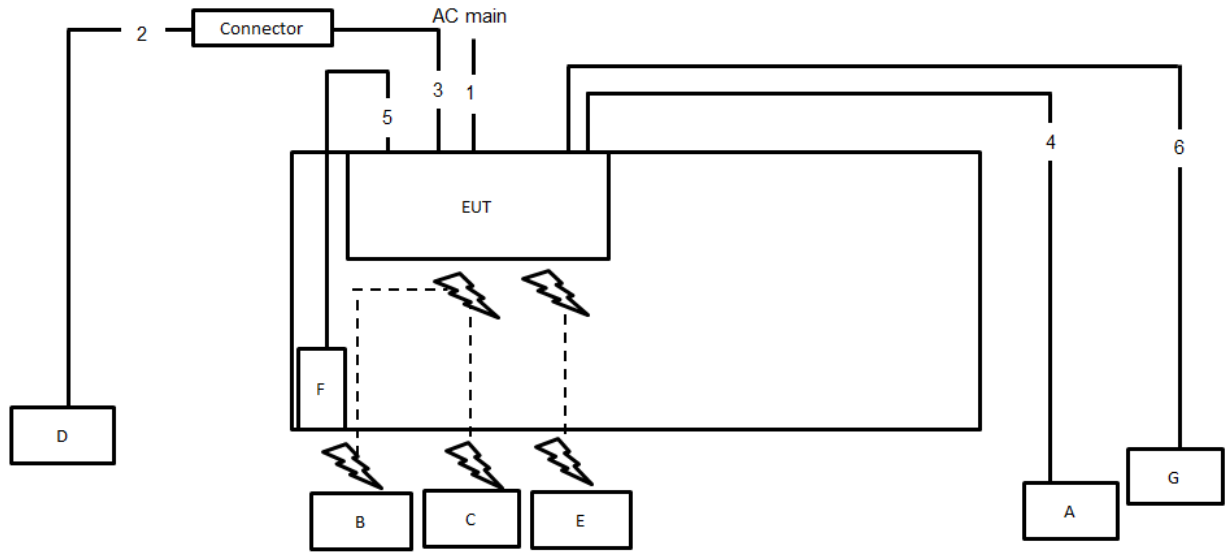
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A

For beamforming mode

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	RX Device	ASUS	XP4N	MSQ-RTAX8301
C	Notebook	DELL	E4300	N/A

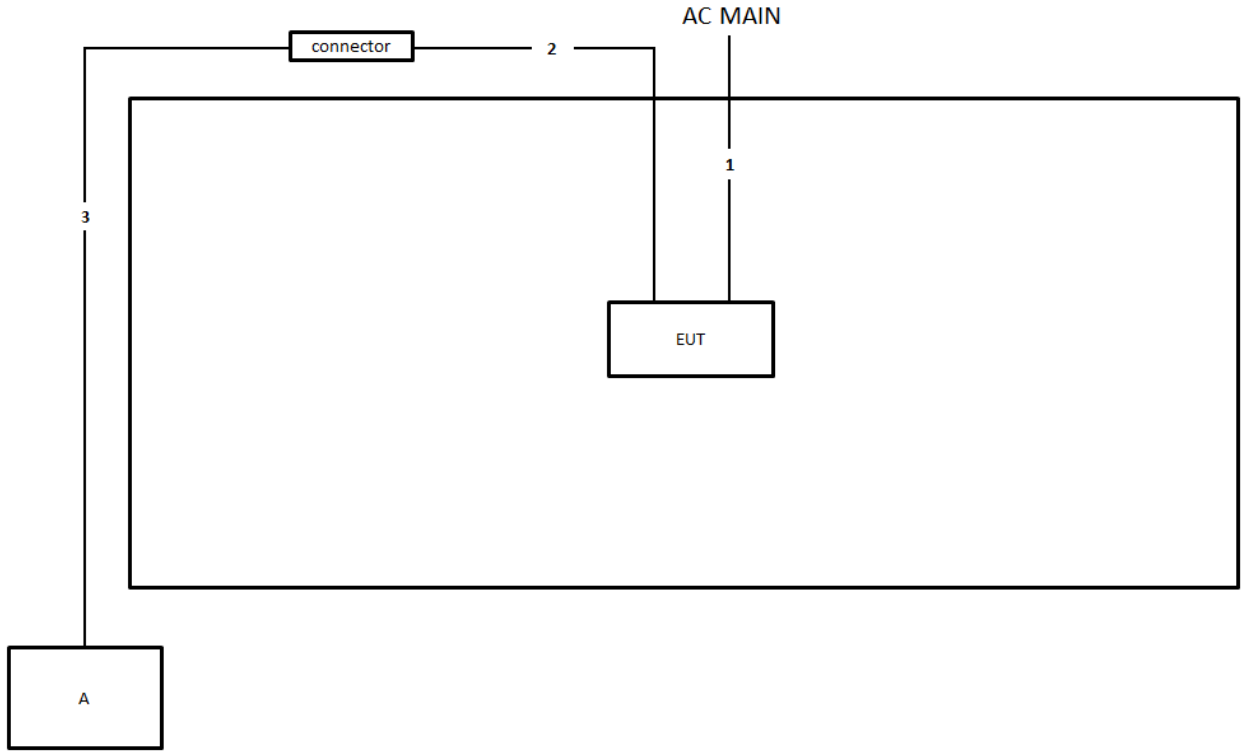
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



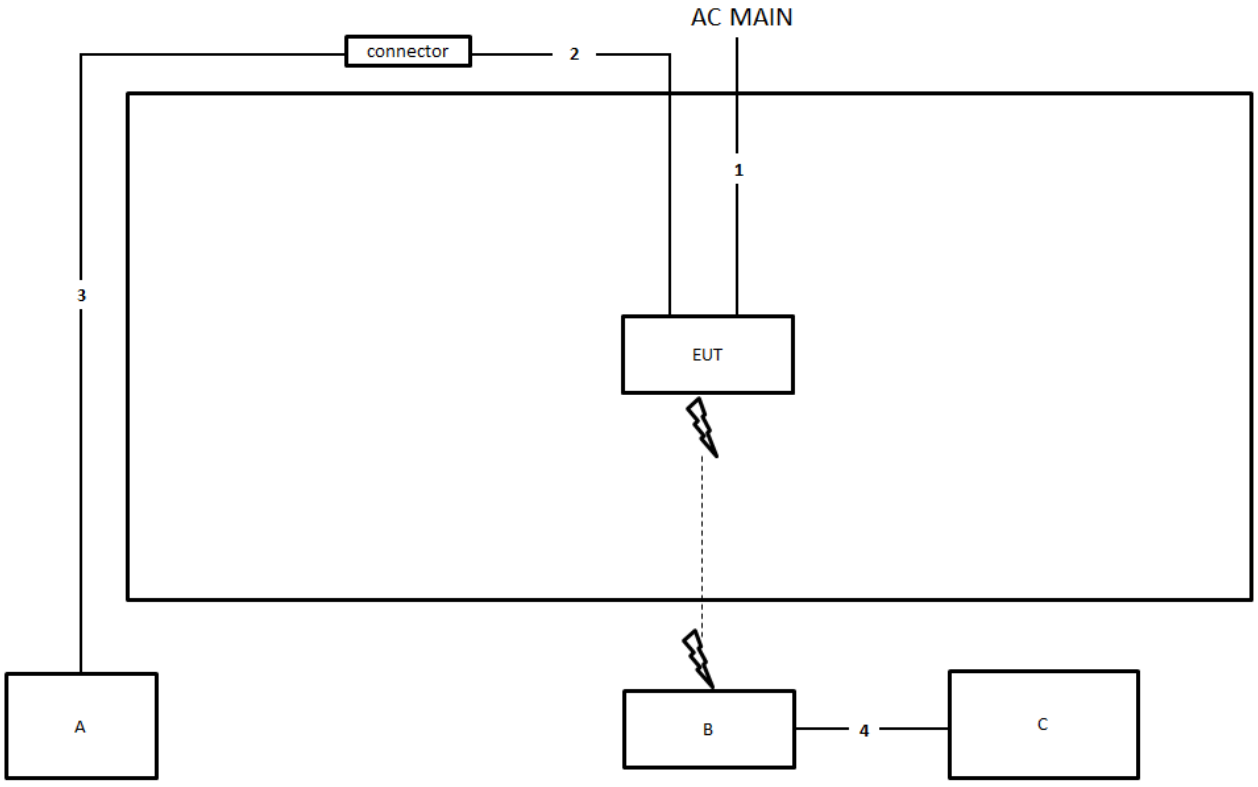
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	10m
5	USB cable	Yes	1.8m
6	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz and Radiated Test > 1GHz for non beamforming mode



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

Test Setup Diagram - Radiated Test > 1GHz for beamforming mode



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

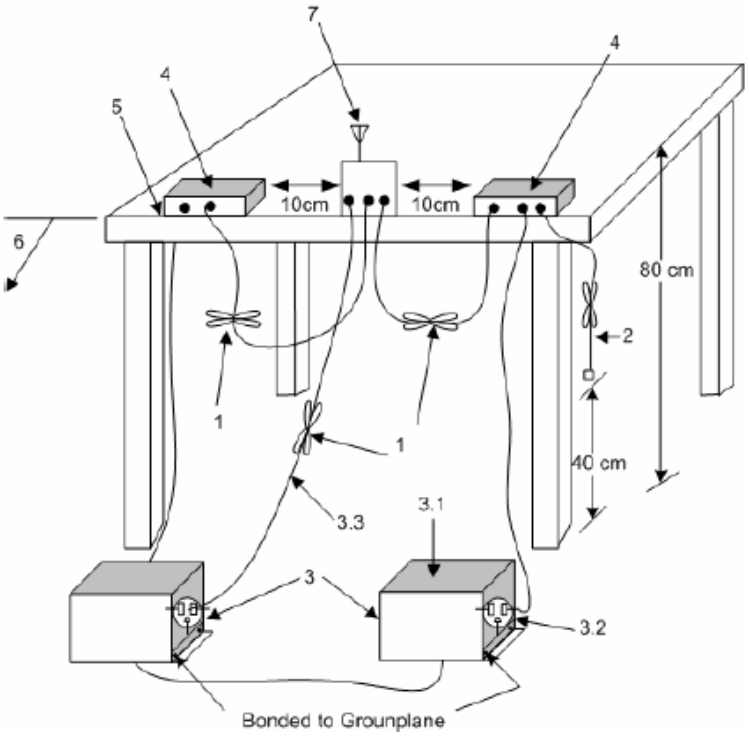
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

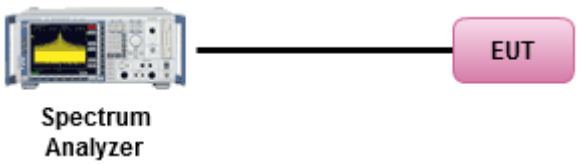
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☐	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

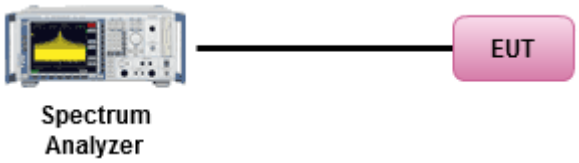
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
	[duty cycle ≥ 98% or external video / power trigger]	
	☒ Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of

linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

3.5.2 Measuring Instruments

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

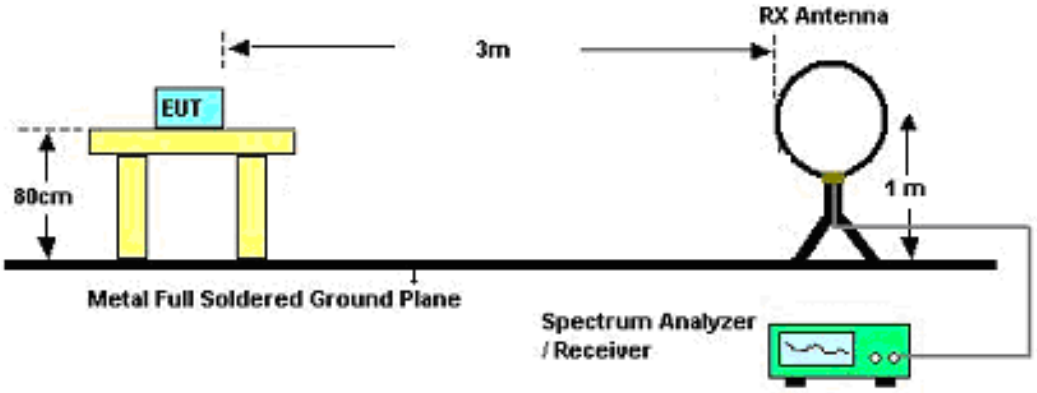
3.5.3 Test Procedures

Test Method			
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.		
	▪ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.		
		☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).	
		☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).	
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.	
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.	
		☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.	
		☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
▪ For radiated measurement.			
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.		
▪ The any unwanted emissions level shall not exceed the fundamental emission level.			
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.			

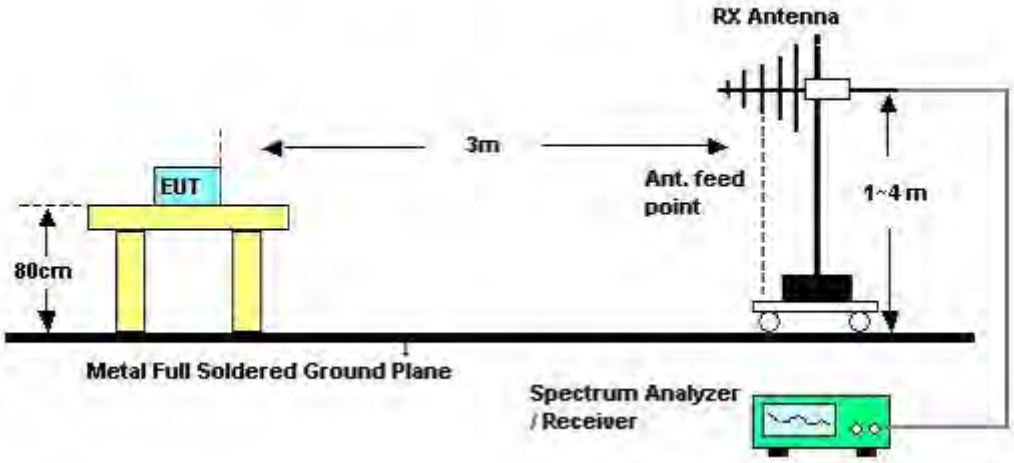
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

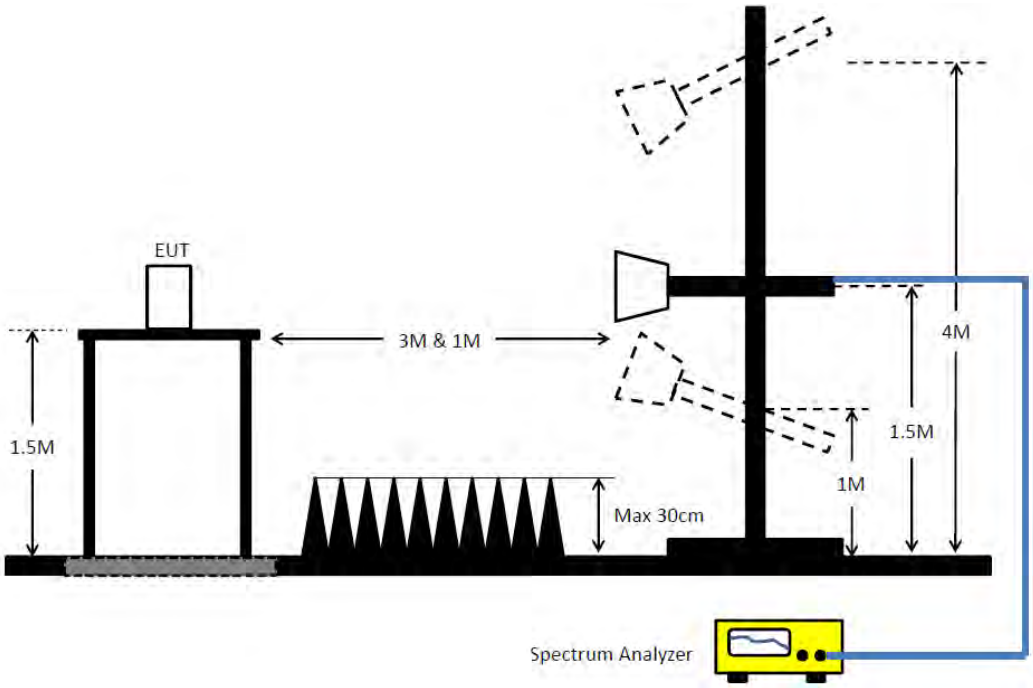
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Measurement Results Calculation

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Dec. 04, 2020	Dec. 03, 2021	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Mar. 10, 2020	Mar. 09, 2021	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 20, 2020	Oct. 19, 2021	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 19, 2020	Mar. 18, 2021	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 28, 2020	Jan. 27, 2021	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 28, 2020	Feb. 27, 2021	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 22, 2021	Feb. 21, 2022	Radiation (03CH01-CB)
Preamplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-16+17	30 MHz ~ 1 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 28, 2020	Mar. 27, 2021	Radiation (03CH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 21, 2020	Sep. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 28, 2020	May 27, 2021	Radiation (03CH03-CB)
Horn Antenna	COM-POWER	AH-118	071028	1GHz ~ 18GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH03-CB)
Horn Antenna	COM-POWER	AH-118	071028	1GHz ~ 18GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 31, 2020	Dec. 30, 2021	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

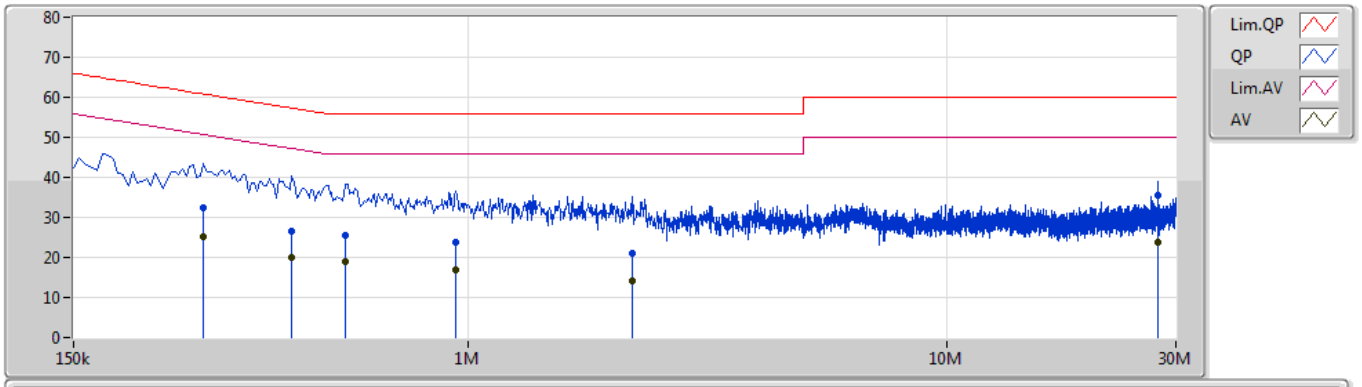
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	4.052M	22.54	46.00	-23.46	Neutral

Mode 1

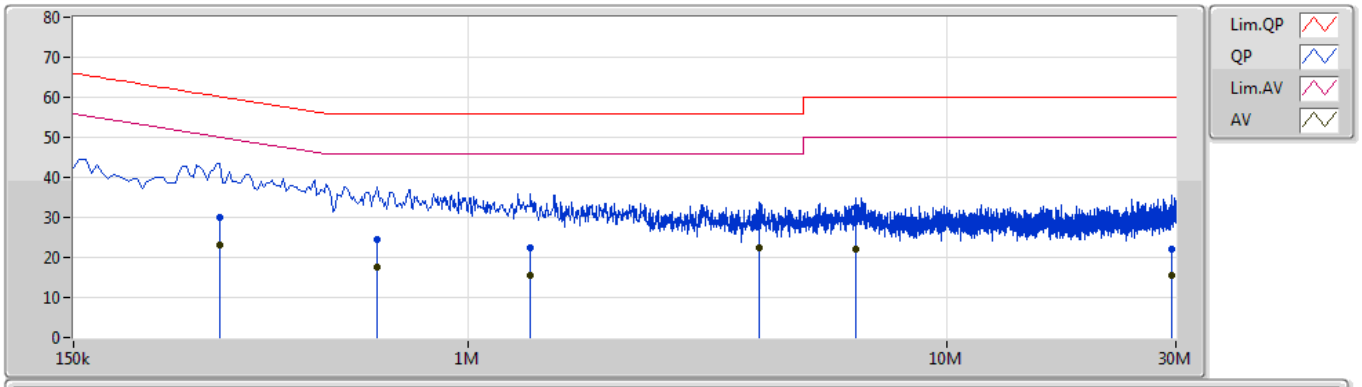
17/12/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	280.5k	32.42	60.80	-28.38	10.24	Line	-	22.18	0.03	0.07	10.14
AV	280.5k	25.26	50.80	-25.54	10.24	Line	-	15.02	0.03	0.07	10.14
QP	429k	26.61	57.28	-30.67	10.19	Line	-	16.42	0.03	0.06	10.10
AV	429k	19.94	47.28	-27.34	10.19	Line	-	9.75	0.03	0.06	10.10
QP	555k	25.65	56.00	-30.35	10.20	Line	-	15.45	0.03	0.07	10.10
AV	555k	19.04	46.00	-26.96	10.20	Line	-	8.84	0.03	0.07	10.10
QP	942k	23.63	56.00	-32.37	10.23	Line	-	13.40	0.04	0.08	10.11
AV	942k	16.79	46.00	-29.21	10.23	Line	-	6.56	0.04	0.08	10.11
QP	2.193M	21.01	56.00	-34.99	10.30	Line	-	10.71	0.06	0.11	10.13
AV	2.193M	13.97	46.00	-32.03	10.30	Line	-	3.67	0.06	0.11	10.13
QP	27.578M	35.46	60.00	-24.54	10.89	Line	"Worst"	24.57	0.40	0.29	10.20
AV	27.578M	23.81	50.00	-26.19	10.89	Line	-	12.92	0.40	0.29	10.20

Mode 1

17/12/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	303k	30.13	60.17	-30.04	10.24	Neutral	-	19.89	0.05	0.06	10.13
AV	303k	23.20	50.17	-26.97	10.24	Neutral	-	12.96	0.05	0.06	10.13
QP	645k	24.40	56.00	-31.60	10.24	Neutral	-	14.16	0.06	0.07	10.11
AV	645k	17.68	46.00	-28.32	10.24	Neutral	-	7.44	0.06	0.07	10.11
QP	1.347M	22.45	56.00	-33.55	10.28	Neutral	-	12.17	0.07	0.09	10.12
AV	1.347M	15.52	46.00	-30.48	10.28	Neutral	-	5.24	0.07	0.09	10.12
QP	4.052M	30.94	56.00	-25.06	10.39	Neutral	-	20.55	0.10	0.14	10.15
AV	4.052M	22.54	46.00	-23.46	10.39	Neutral	"Worst"	12.15	0.10	0.14	10.15
QP	6.432M	32.45	60.00	-27.55	10.48	Neutral	-	21.97	0.14	0.18	10.16
AV	6.432M	22.12	50.00	-27.88	10.48	Neutral	-	11.64	0.14	0.18	10.16
QP	29.391M	22.23	60.00	-37.77	10.80	Neutral	-	11.43	0.30	0.29	10.21
AV	29.391M	15.53	50.00	-34.47	10.80	Neutral	-	4.73	0.30	0.29	10.21

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	30.69M	17.511M	17M5D1D	20.25M	16.372M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.29M	16.672M	16M7D1D	15.54M	16.492M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.61M	16.372M	20.25M	16.372M
5200MHz	Pass	Inf	28.23M	16.852M	21M	16.402M
5240MHz	Pass	Inf	30.69M	17.511M	24.27M	16.582M
5745MHz	Pass	500k	16.29M	16.492M	15.99M	16.522M
5785MHz	Pass	500k	16.26M	16.612M	15.99M	16.642M
5825MHz	Pass	500k	16.02M	16.672M	15.54M	16.642M

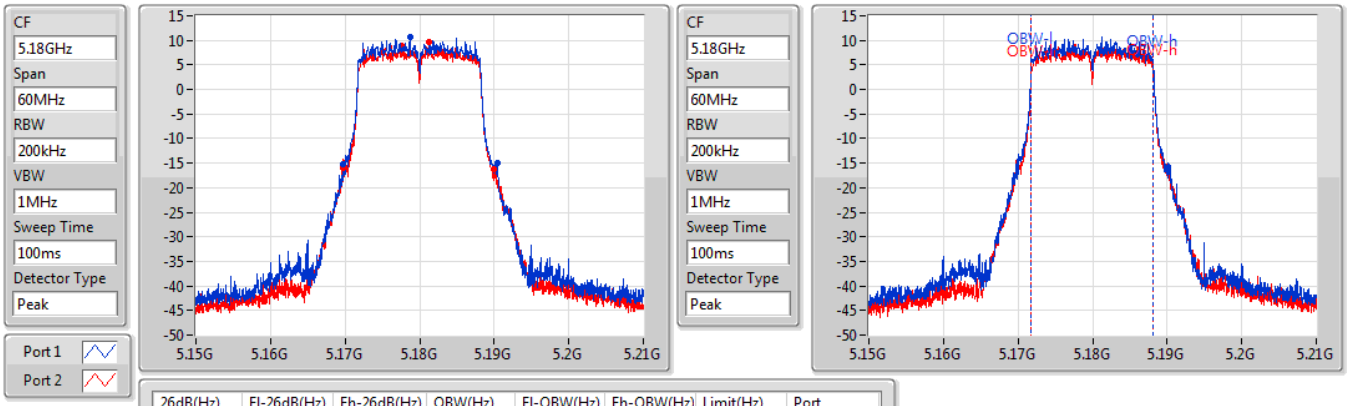
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX

EBW

5180MHz

14/01/2021



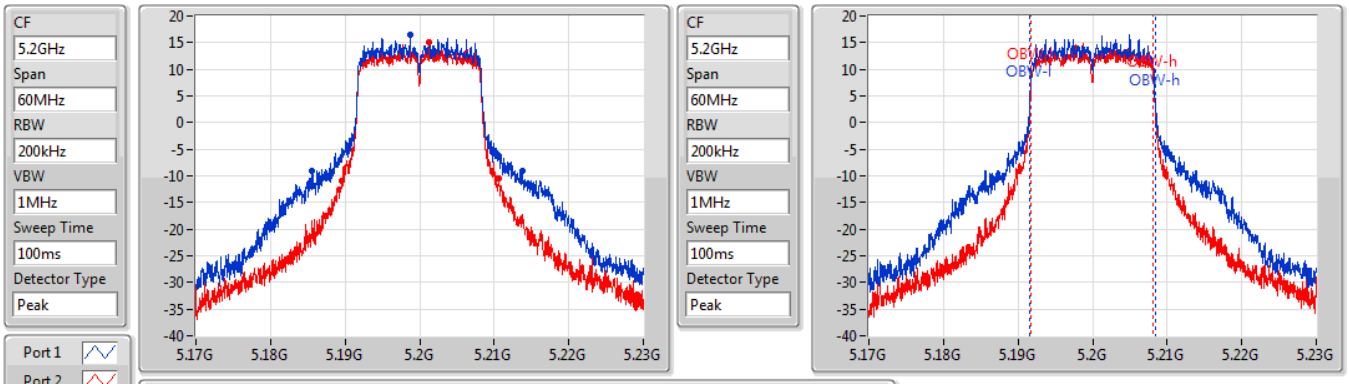
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.61M	5.16977G	5.19038G	16.372M	5.171784G	5.188156G	Inf	1
20.25M	5.16971G	5.18996G	16.372M	5.171784G	5.188156G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

14/01/2021



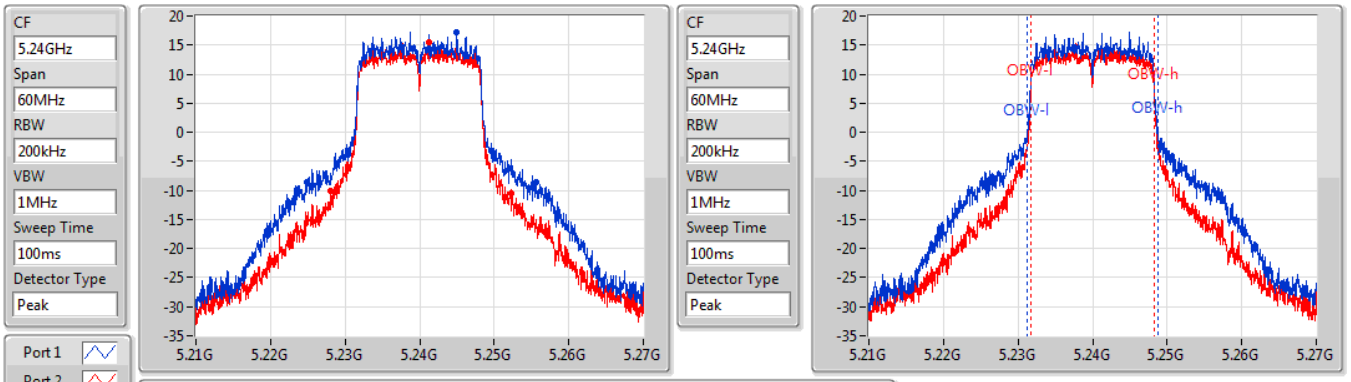
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.23M	5.18554G	5.21377G	16.852M	5.191604G	5.208456G	Inf	1
21M	5.18959G	5.21059G	16.402M	5.191784G	5.208186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

14/01/2021



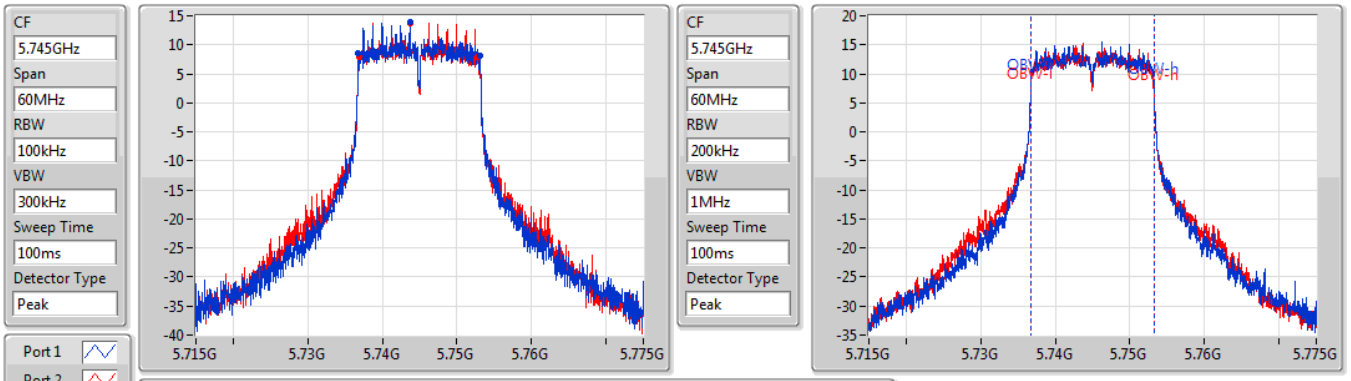
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.69M	5.22491G	5.2556G	17.511M	5.231274G	5.248786G	Inf	1
24.27M	5.22809G	5.25236G	16.582M	5.231694G	5.248276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

14/01/2021

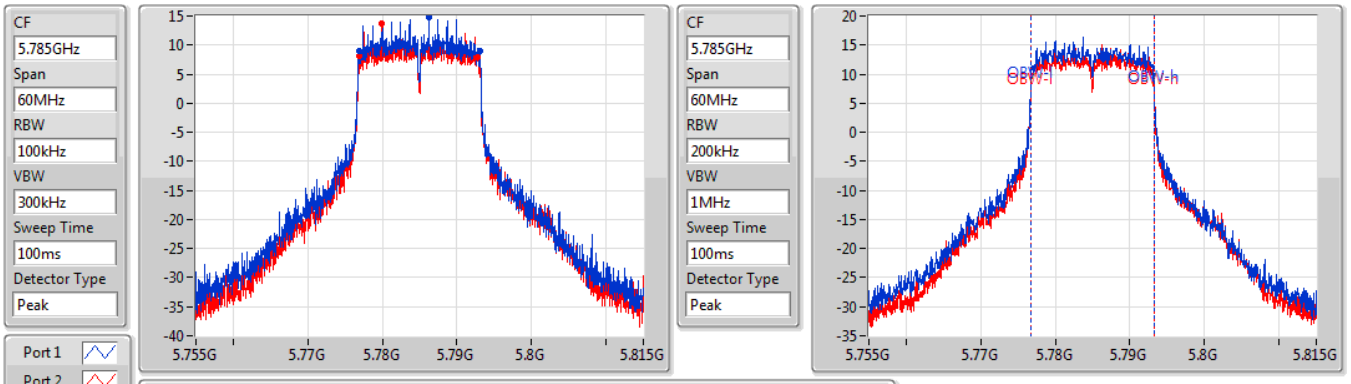


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.73681G	5.7531G	16.492M	5.736724G	5.753216G	500k	1
15.99M	5.73684G	5.75283G	16.522M	5.736694G	5.753216G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

14/01/2021

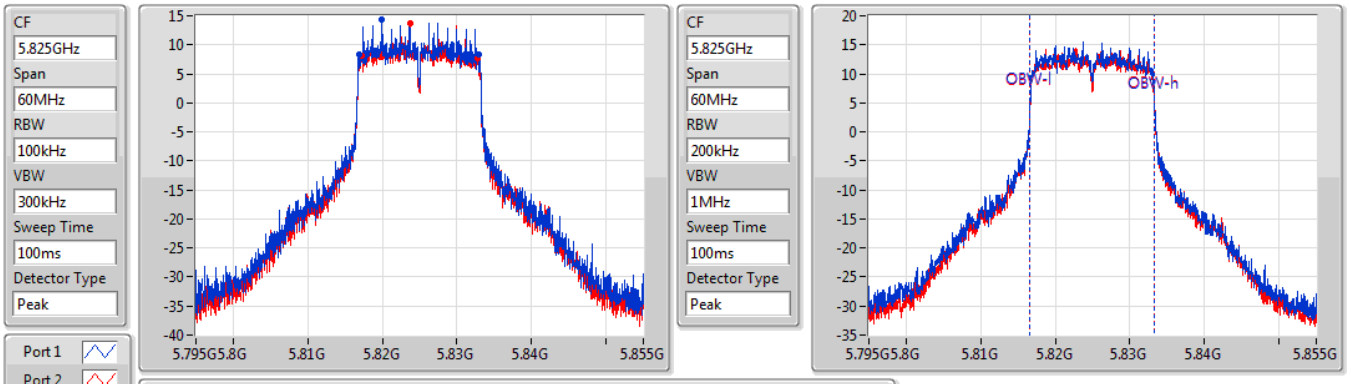


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.26M	5.77684G	5.7931G	16.612M	5.776664G	5.793276G	500k	1
15.99M	5.77684G	5.79283G	16.642M	5.776664G	5.793306G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

14/01/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.02M	5.81684G	5.83286G	16.672M	5.816634G	5.833306G	500k	1
15.54M	5.8172G	5.83274G	16.642M	5.816634G	5.833276G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.25M	18.951M	19M0D1D	21.54M	18.891M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.92M	37.781M	37M8D1D	40.32M	37.601M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.72M	76.882M	76M9D1D	81.12M	76.762M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.57M	19.1M	19M1D1D	17.43M	18.891M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.68M	37.781M	37M8D1D	35.04M	37.781M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	72.6M	77.241M	77M2D1D	63.12M	76.882M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.66M	18.921M	21.66M	18.921M
5200MHz	Pass	Inf	23.25M	18.951M	22.5M	18.921M
5240MHz	Pass	Inf	21.63M	18.891M	21.54M	18.891M
5745MHz	Pass	500k	17.85M	18.891M	17.7M	18.921M
5785MHz	Pass	500k	17.97M	18.891M	18.57M	18.891M
5825MHz	Pass	500k	18M	19.1M	17.43M	19.07M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.56M	37.721M	40.32M	37.601M
5230MHz	Pass	Inf	40.5M	37.721M	40.92M	37.781M
5755MHz	Pass	500k	35.04M	37.781M	36.72M	37.781M
5795MHz	Pass	500k	37.68M	37.781M	37.02M	37.781M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.72M	76.762M	81.12M	76.882M
5775MHz	Pass	500k	72.6M	77.241M	63.12M	76.882M

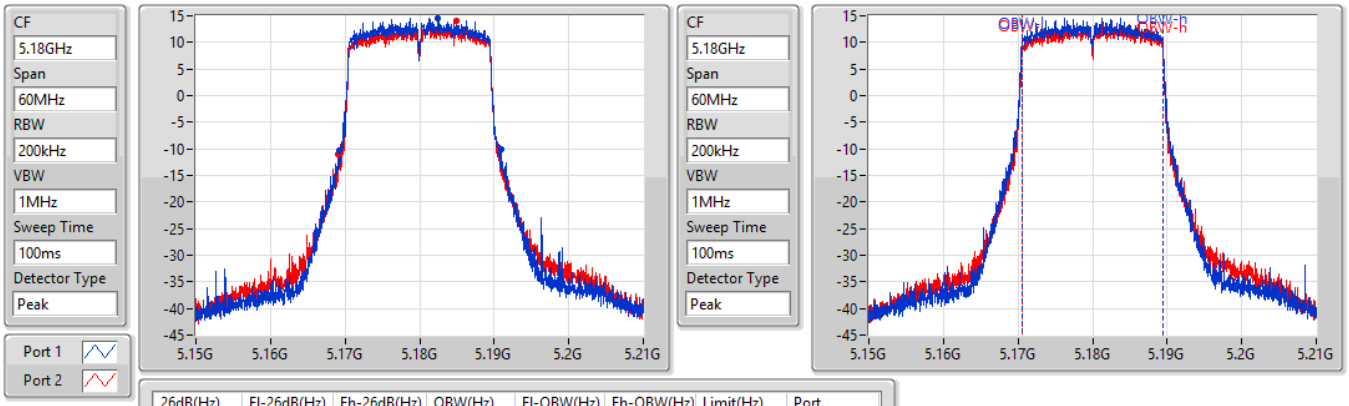
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5180MHz

21/04/2021



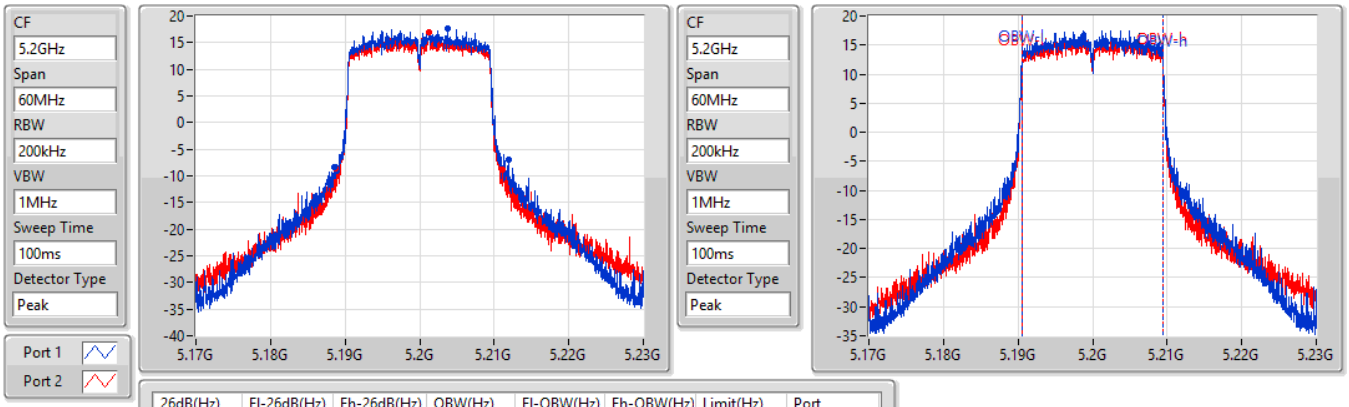
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.66M	5.16926G	5.19092G	18.921M	5.170495G	5.189415G	Inf	1
21.66M	5.16902G	5.19068G	18.921M	5.170525G	5.189445G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5200MHz

21/04/2021

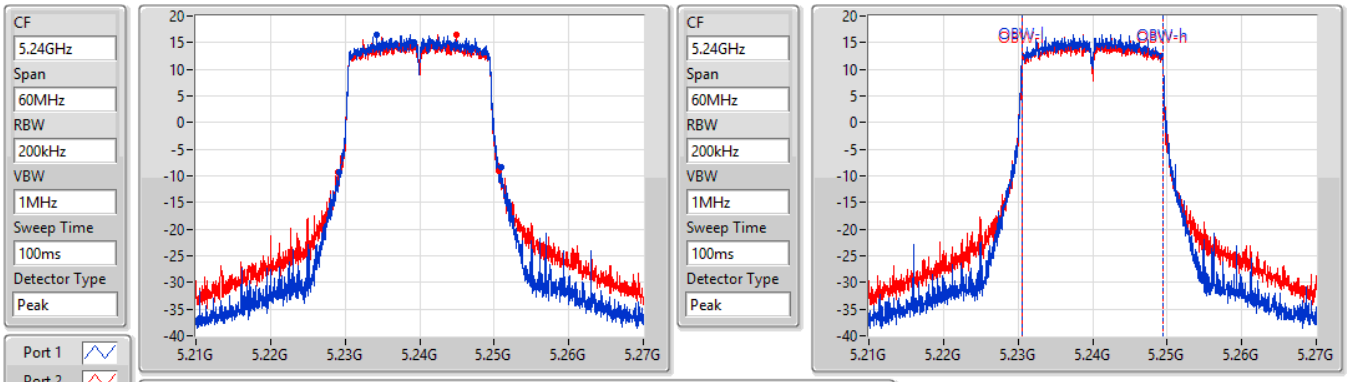


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.25M	5.18863G	5.21188G	18.951M	5.190525G	5.209475G	Inf	1
22.5M	5.18866G	5.21116G	18.921M	5.190525G	5.209445G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

5240MHz

21/04/2021

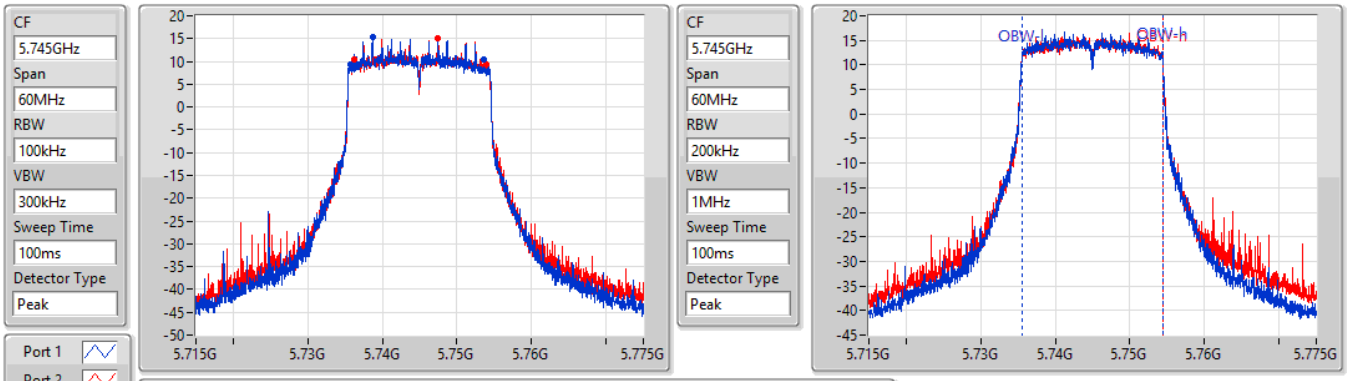


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.63M	5.22926G	5.25089G	18.891M	5.230525G	5.249415G	Inf	1
21.54M	5.22911G	5.25065G	18.891M	5.230525G	5.249415G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

5745MHz

21/04/2021



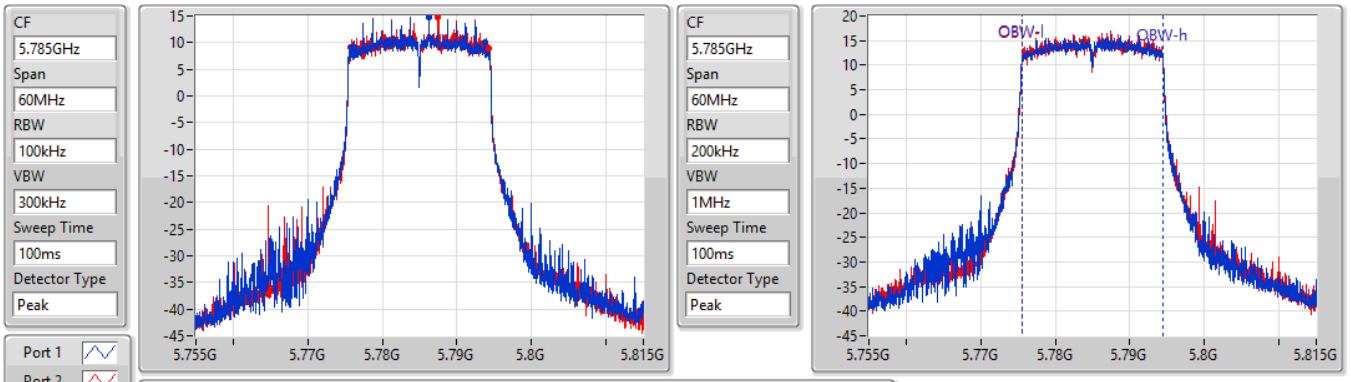
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.85M	5.73579G	5.75364G	18.891M	5.735495G	5.754385G	500k	1
17.7M	5.73624G	5.75394G	18.921M	5.735495G	5.754415G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5785MHz

21/04/2021



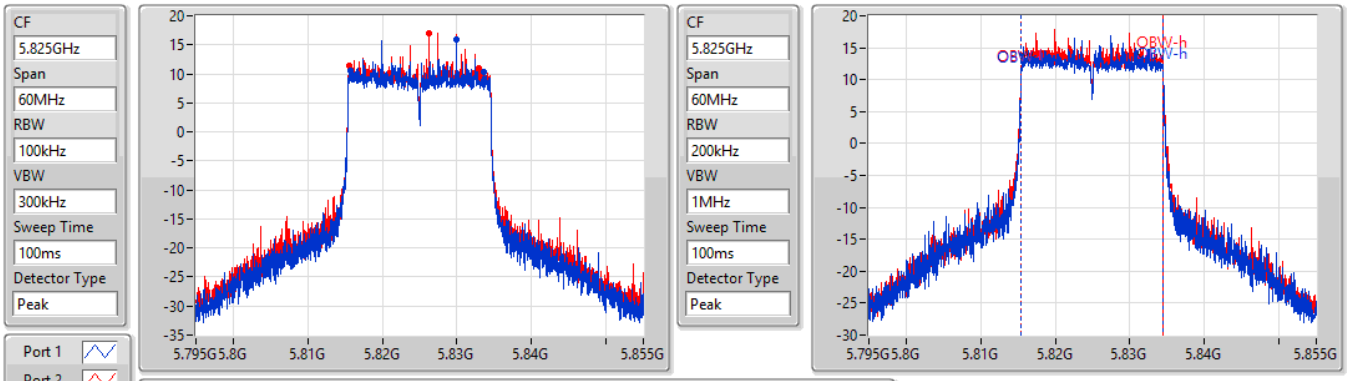
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.97M	5.77582G	5.79379G	18.891M	5.775525G	5.794415G	500k	1
18.57M	5.77573G	5.7943G	18.891M	5.7755555G	5.794445G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5825MHz

21/04/2021

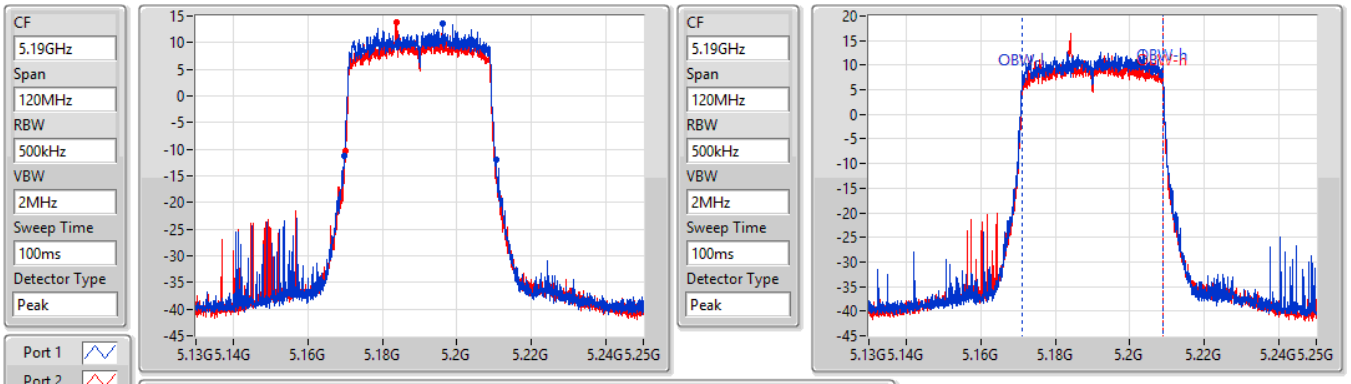


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18M	5.81567G	5.83367G	19.1M	5.815405G	5.834505G	500k	1
17.43M	5.81558G	5.83301G	19.07M	5.815405G	5.834475G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

5190MHz

21/04/2021

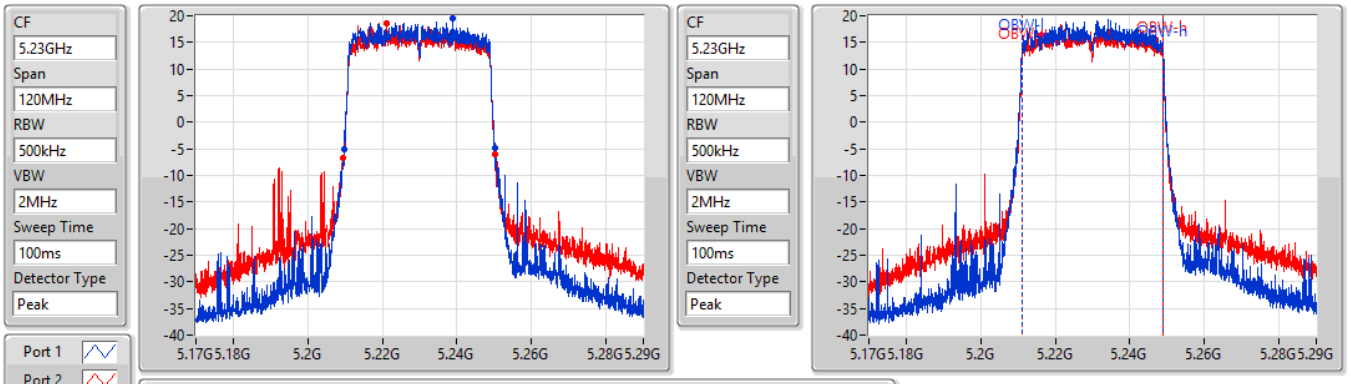


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.56M	5.16984G	5.2104G	37.721M	5.171169G	5.208891G	Inf	1
40.32M	5.17008G	5.2104G	37.601M	5.171169G	5.208771G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

5230MHz

21/04/2021



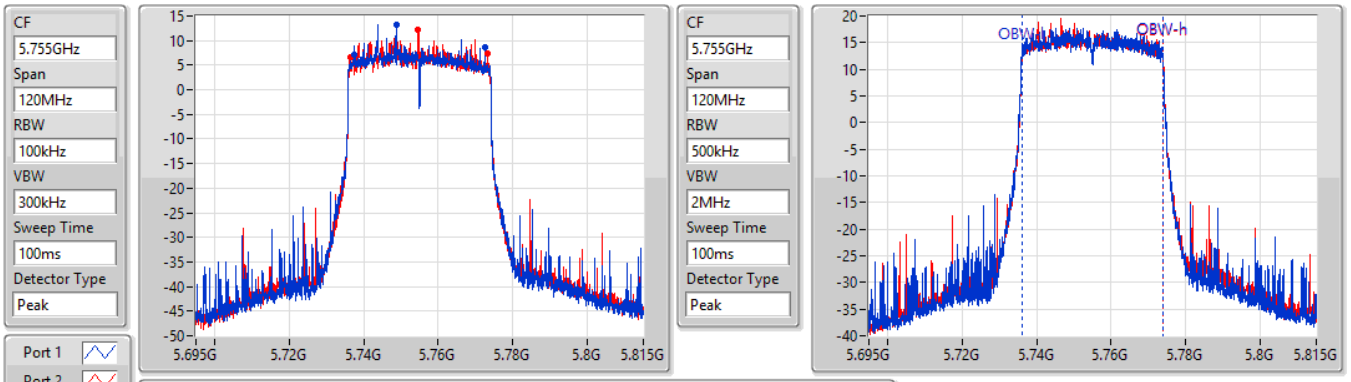
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	5.20972G	5.25022G	37.721M	5.211109G	5.248831G	Inf	1
40.92M	5.2093G	5.25022G	37.781M	5.211109G	5.248891G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5755MHz

21/04/2021



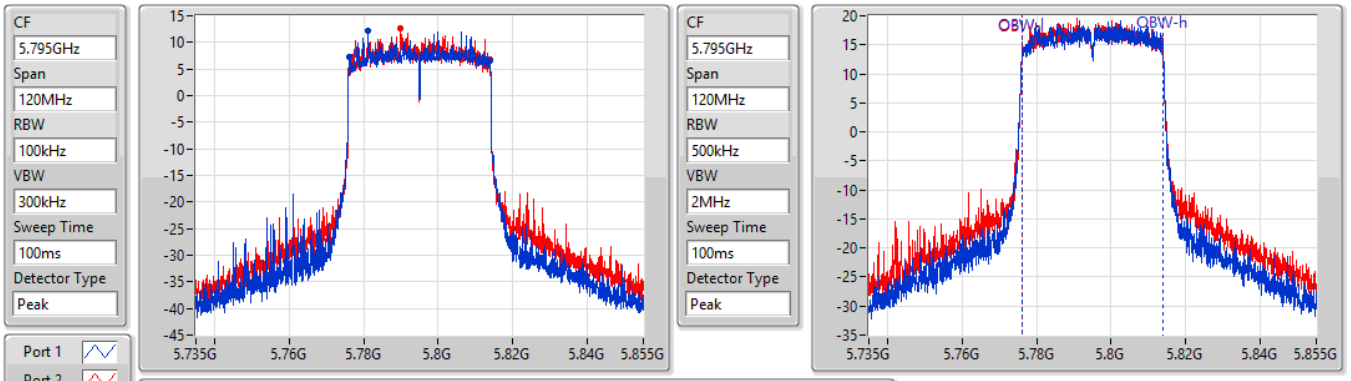
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.04M	5.73742G	5.77246G	37.781M	5.736049G	5.773831G	500k	1
36.72M	5.73652G	5.77324G	37.781M	5.736109G	5.773891G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5795MHz

21/04/2021

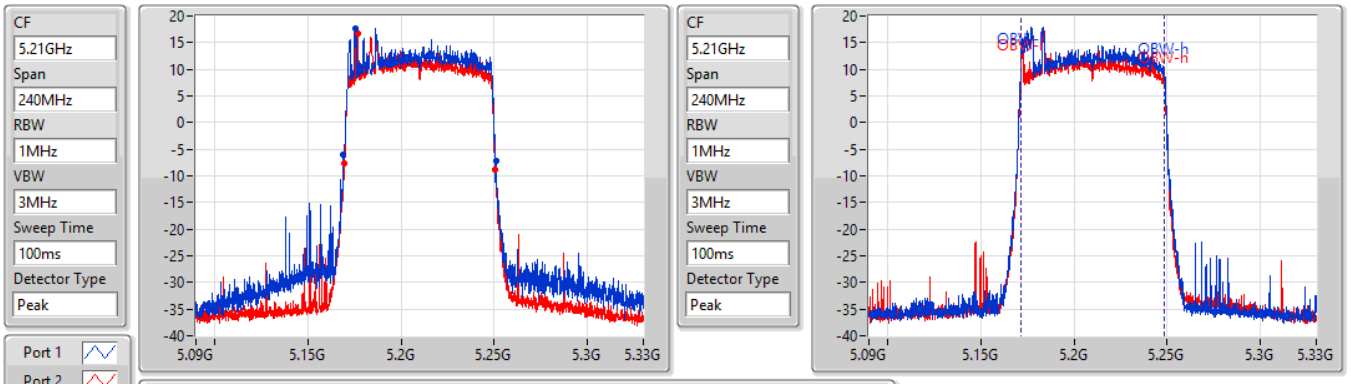


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.68M	5.77622G	5.8139G	37.781M	5.776109G	5.813891G	500k	1
37.02M	5.77676G	5.81378G	37.781M	5.776109G	5.813891G	500k	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX EBW

5210MHz

21/04/2021

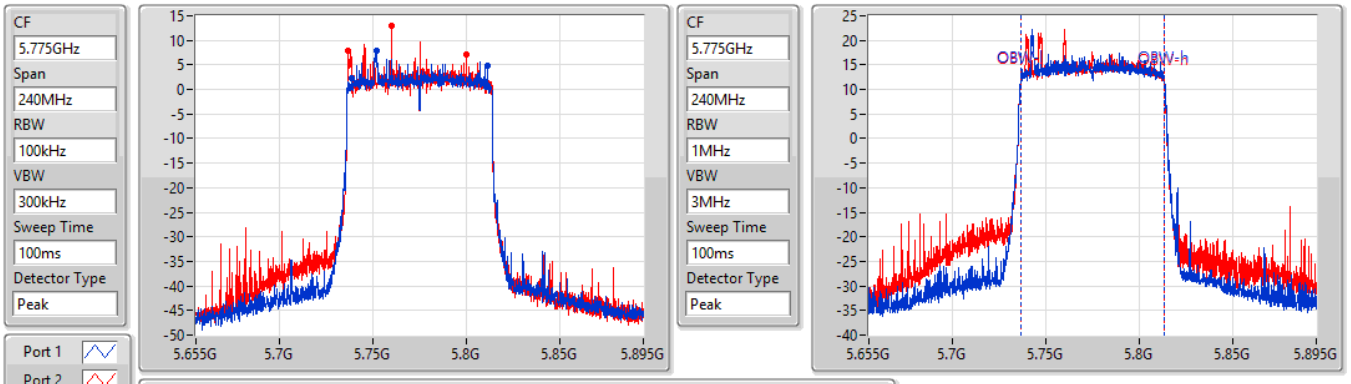


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.72M	5.1692G	5.25092G	76.762M	5.171619G	5.248381G	Inf	1
81.12M	5.16956G	5.25068G	76.882M	5.171619G	5.248501G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX EBW

5775MHz

21/04/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
72.6M	5.73864G	5.81124G	77.241M	5.736379G	5.813621G	500k	1
63.12M	5.73684G	5.79996G	76.882M	5.736499G	5.813381G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	29.12	0.81658
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	28.55	0.71614

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.48	20.81	19.67	23.29	30.00
5200MHz	Pass	3.48	26.24	24.98	28.67	30.00
5240MHz	Pass	3.48	26.58	25.58	29.12	30.00
5745MHz	Pass	3.48	25.29	25.11	28.21	30.00
5785MHz	Pass	3.48	26.06	24.94	28.55	30.00
5825MHz	Pass	3.48	25.16	24.76	27.97	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	28.61	0.72611
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	27.51	0.56364
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.86	0.19320
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	27.80	0.60256
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	28.25	0.66834
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	25.87	0.38637

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.46	23.30	22.03	25.72	29.54
5200MHz	Pass	6.46	26.14	24.98	28.61	29.54
5240MHz	Pass	6.46	25.43	24.52	28.01	29.54
5745MHz	Pass	6.46	24.78	24.79	27.80	29.54
5785MHz	Pass	6.46	24.49	24.52	27.52	29.54
5825MHz	Pass	6.46	24.45	24.49	27.48	29.54
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.46	18.77	17.53	21.20	29.54
5230MHz	Pass	6.46	24.86	24.11	27.51	29.54
5755MHz	Pass	6.46	24.07	23.91	27.00	29.54
5795MHz	Pass	6.46	25.11	25.36	28.25	29.54
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.46	20.36	19.27	22.86	29.54
5775MHz	Pass	6.46	22.92	22.80	25.87	29.54

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	15.85
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	13.45

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

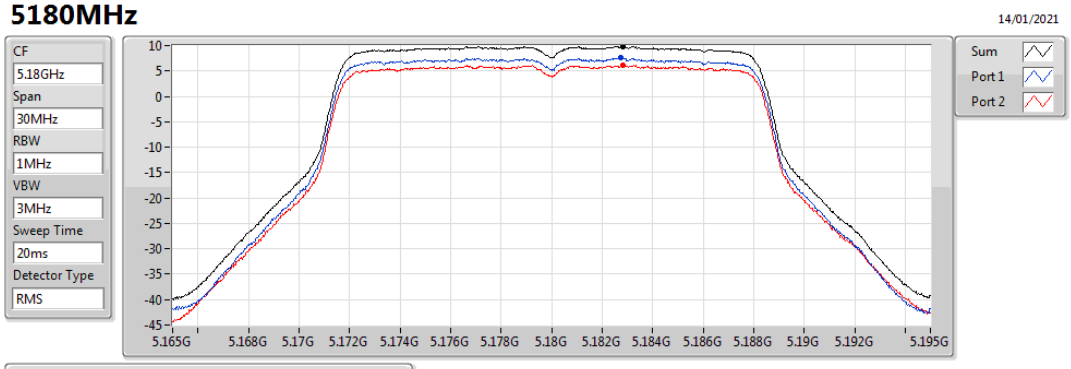
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.46	7.56	6.20	9.83	16.54
5200MHz	Pass	6.46	12.86	11.61	15.23	16.54
5240MHz	Pass	6.46	13.49	12.21	15.85	16.54
5745MHz	Pass	6.46	10.45	10.03	13.14	29.54
5785MHz	Pass	6.46	11.12	9.90	13.45	29.54
5825MHz	Pass	6.46	10.18	9.62	12.87	29.54

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

802.11a_Nss1,(6Mbps)_2TX PSD

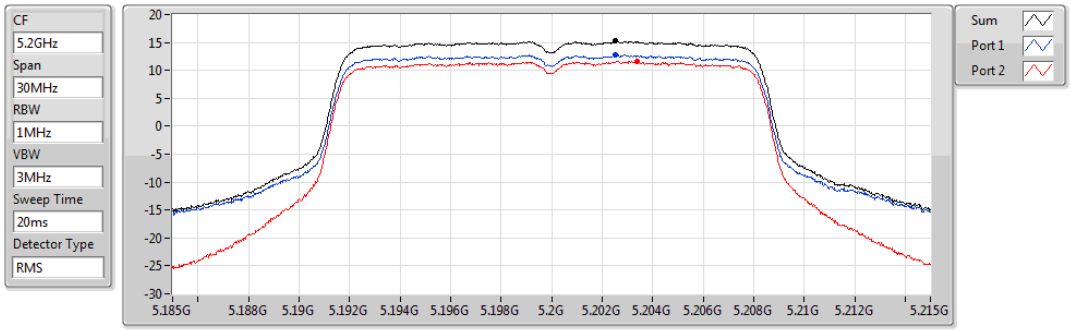
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.83	9.83	7.56	6.20

802.11a_Nss1,(6Mbps)_2TX PSD

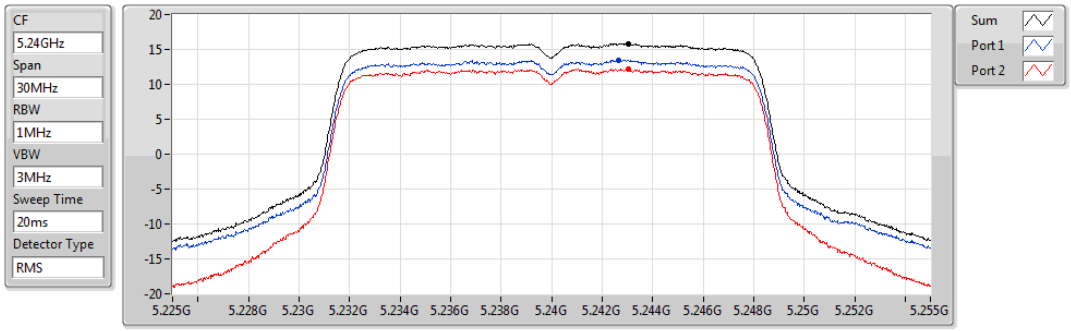
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.23	15.23	12.86	11.61

802.11a_Nss1,(6Mbps)_2TX PSD

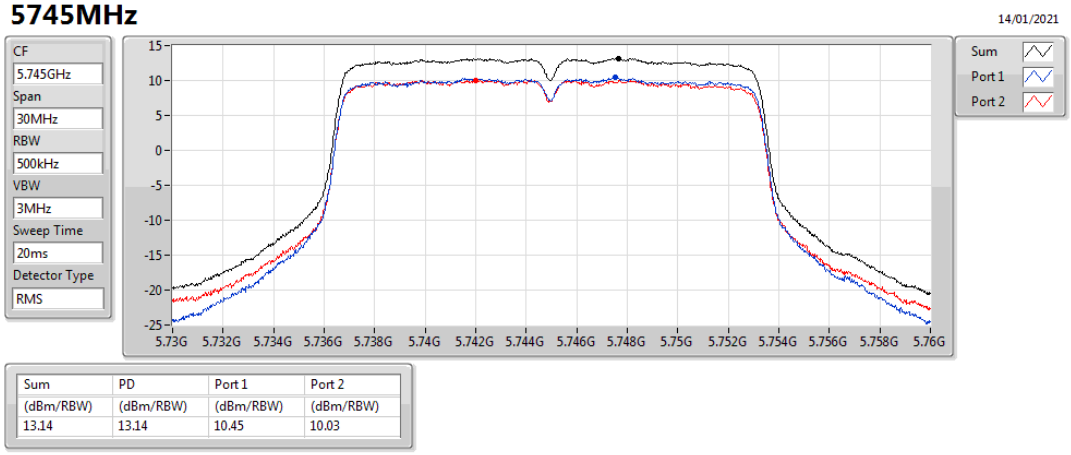
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.85	15.85	13.49	12.21

802.11a_Nss1,(6Mbps)_2TX PSD

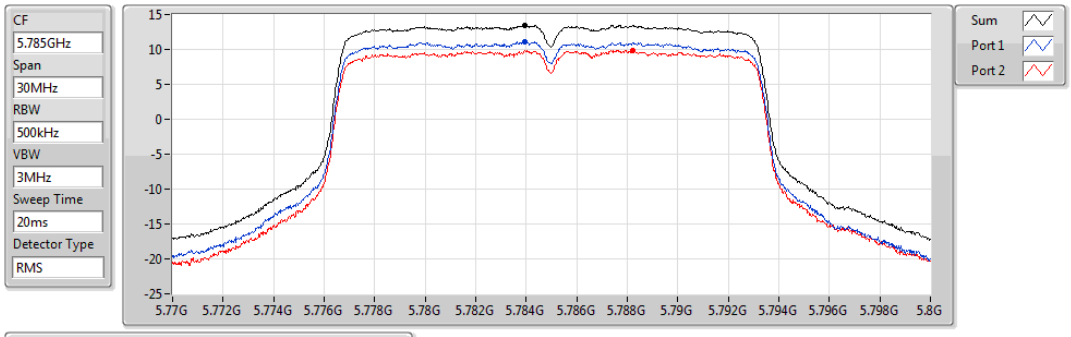
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.14	13.14	10.45	10.03

802.11a_Nss1,(6Mbps)_2TX PSD

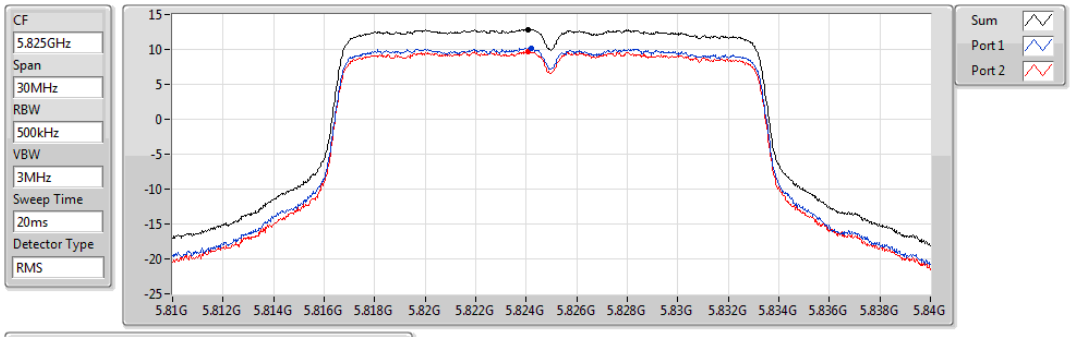
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.45	13.45	11.12	9.90

802.11a_Nss1,(6Mbps)_2TX PSD

5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.87	12.87	10.18	9.62

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	15.78
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	11.82
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	6.83
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	13.43
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	10.99
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	7.98

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

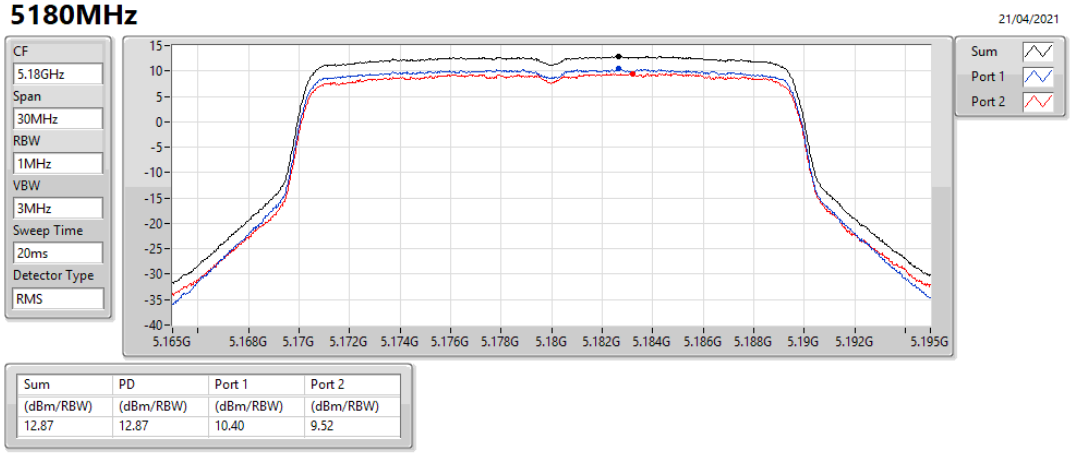
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.46	10.40	9.52	12.87	16.54
5200MHz	Pass	6.46	13.13	12.46	15.78	16.54
5240MHz	Pass	6.46	12.45	12.00	15.13	16.54
5745MHz	Pass	6.46	10.65	10.50	13.43	29.54
5785MHz	Pass	6.46	10.31	10.40	13.12	29.54
5825MHz	Pass	6.46	9.10	10.26	12.73	29.54
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.46	3.17	2.12	5.54	16.54
5230MHz	Pass	6.46	9.26	8.44	11.82	16.54
5755MHz	Pass	6.46	6.85	6.62	9.63	29.54
5795MHz	Pass	6.46	7.88	8.39	10.99	29.54
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.46	1.81	6.10	6.83	16.54
5775MHz	Pass	6.46	2.63	6.90	7.98	29.54

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

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

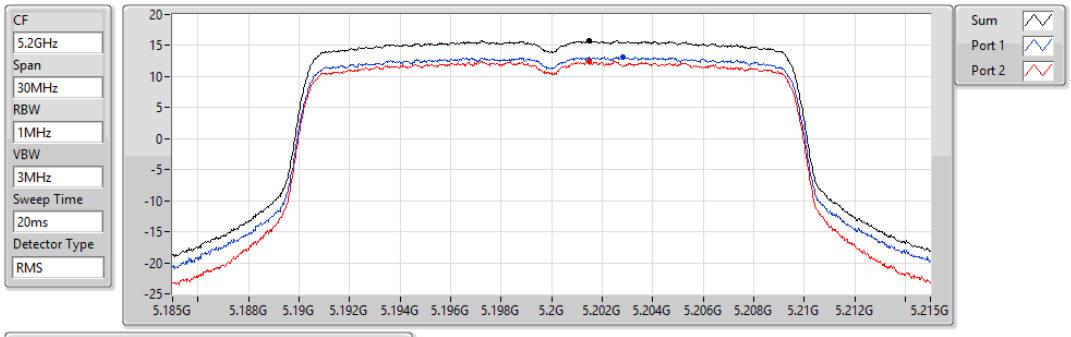
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.87	12.87	10.40	9.52

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

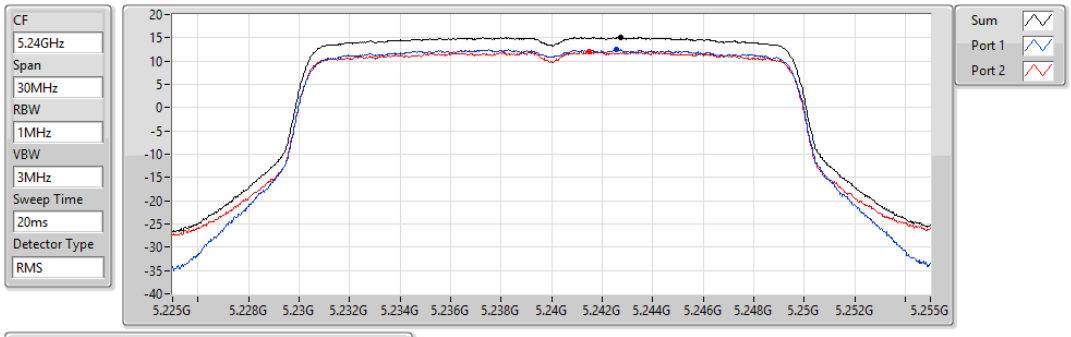
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.78	15.78	13.13	12.46

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

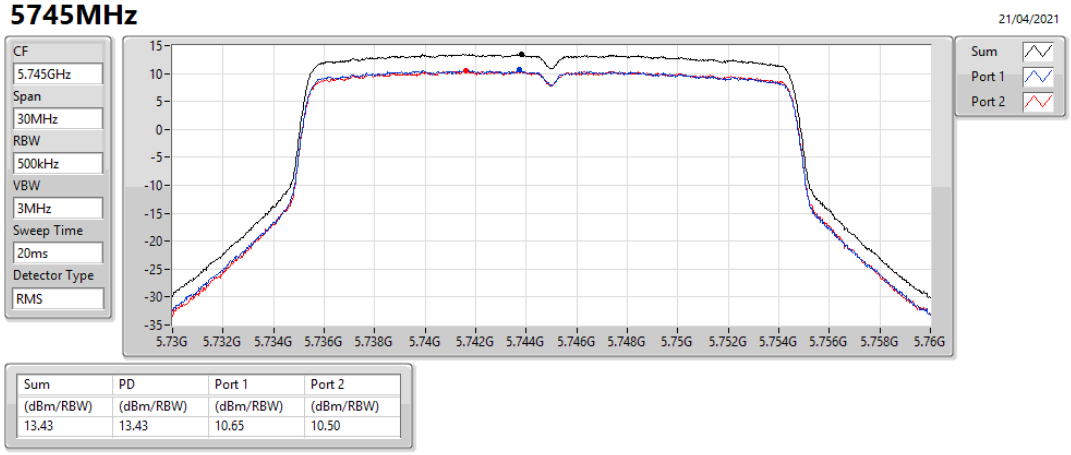
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.13	15.13	12.45	12.00

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

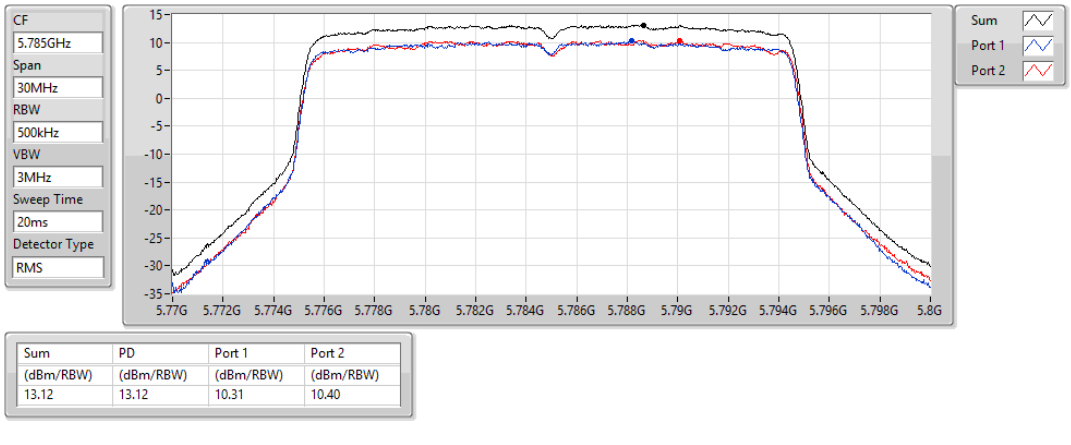
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.43	13.43	10.65	10.50

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

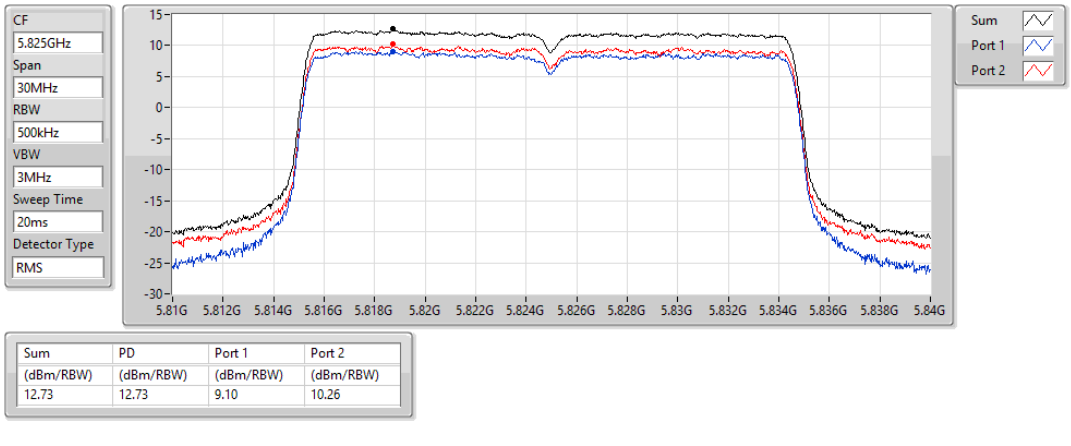
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.12	13.12	10.31	10.40

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

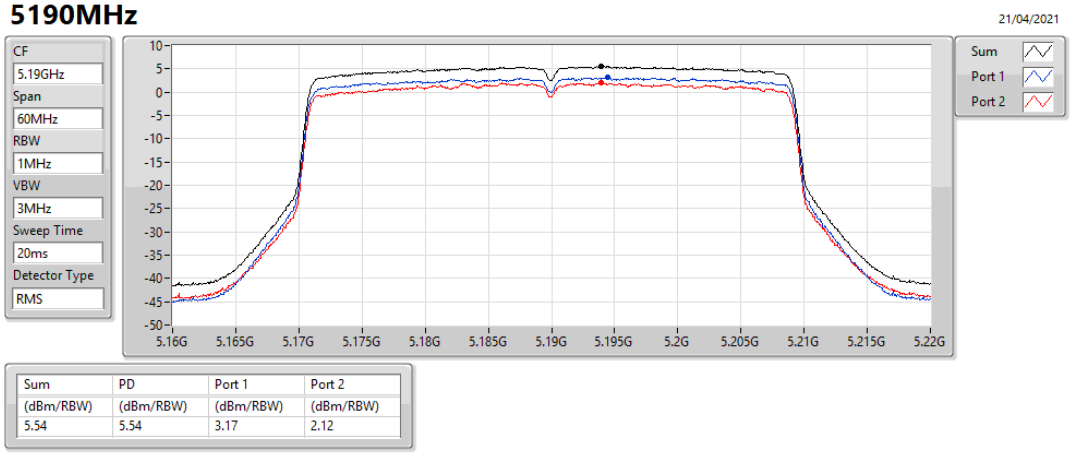
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.73	12.73	9.10	10.26

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

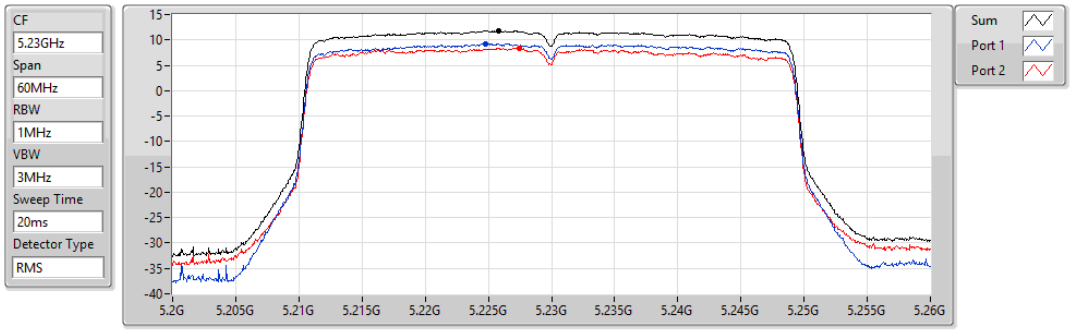
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.54	5.54	3.17	2.12

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

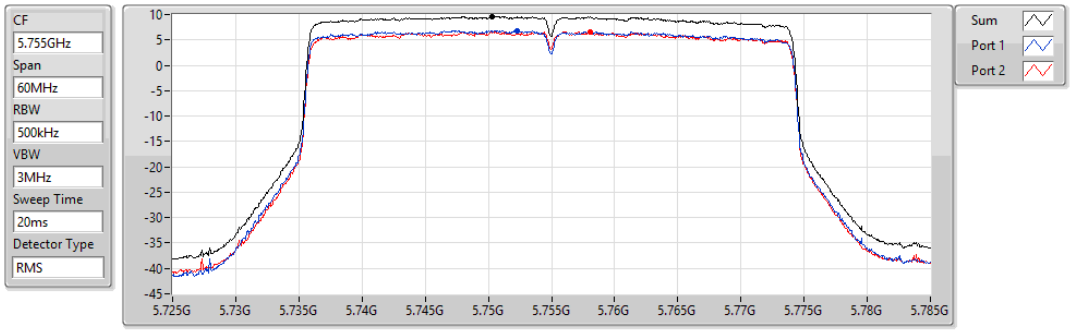
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.82	11.82	9.26	8.44

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

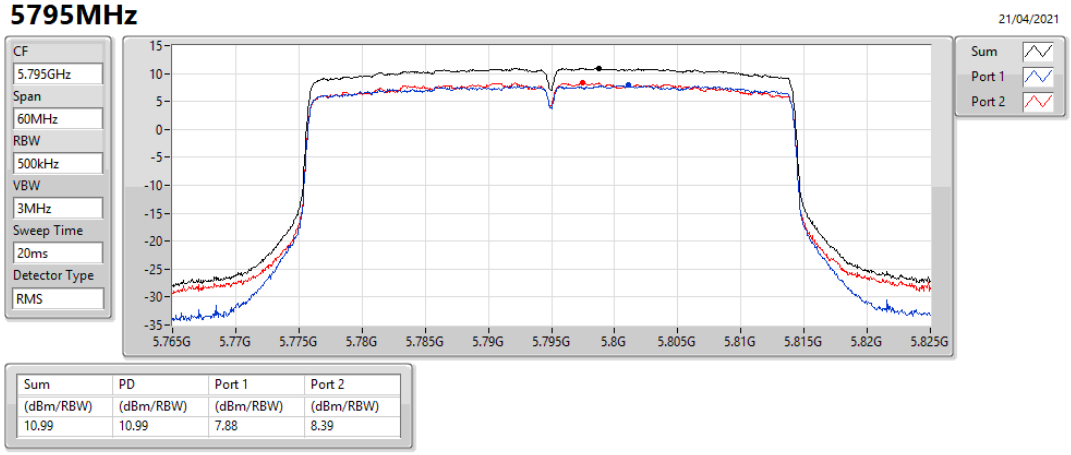
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.63	9.63	6.85	6.62

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

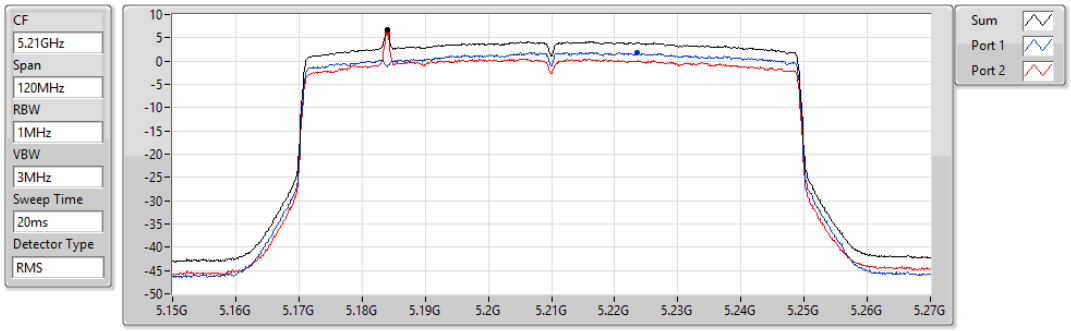
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.99	10.99	7.88	8.39

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

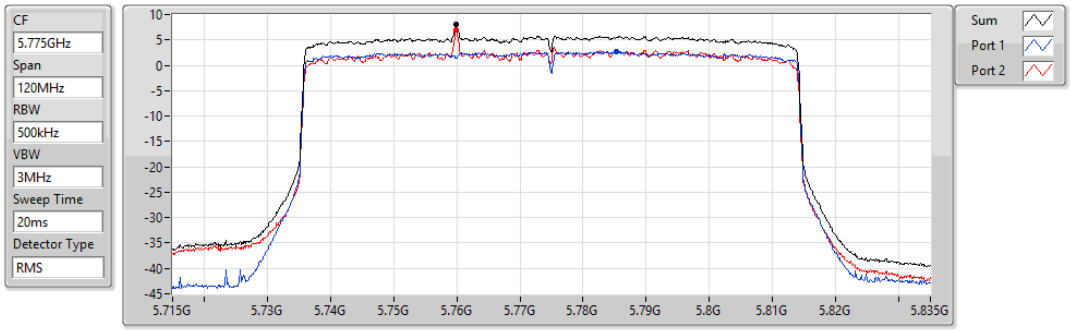
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.83	6.83	1.81	6.10

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

5775MHz



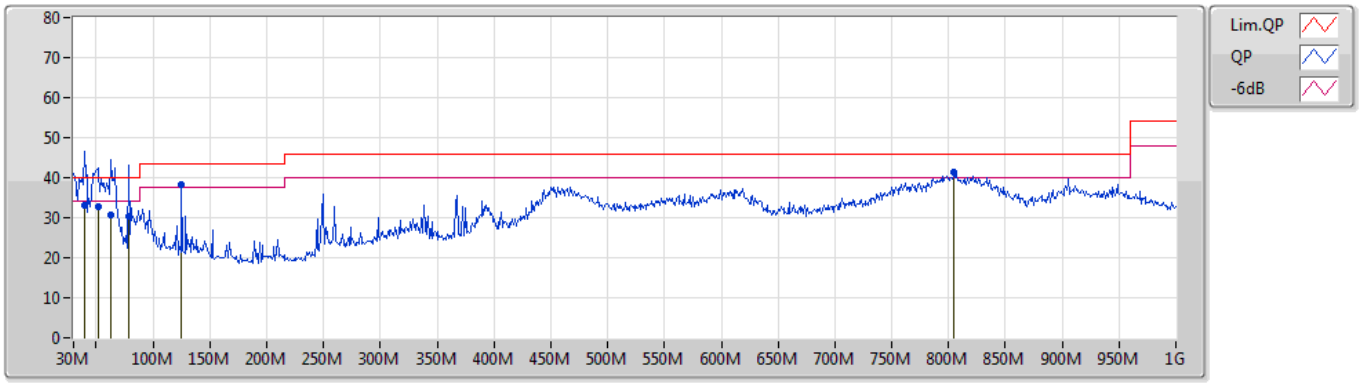
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.98	7.98	2.63	6.90

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	30M	35.98	40.00	-4.02	Horizontal

Mode 1

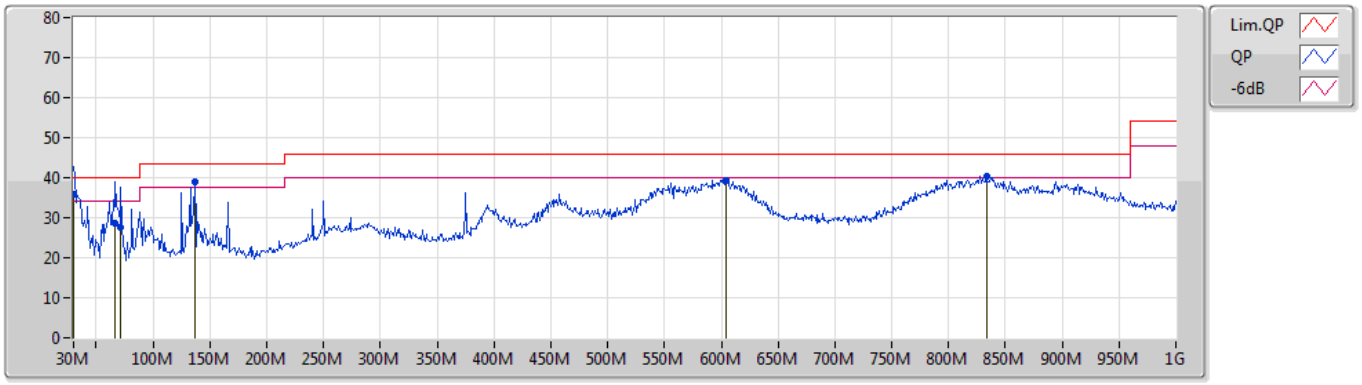
08/03/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	39.7M	33.18	40.00	-6.82	-8.92	3	Vertical	119	1.25	-	42.10	19.27	0.29	28.48
QP	51.34M	32.71	40.00	-7.29	-14.49	3	Vertical	322	1.25	-	47.20	13.60	0.40	28.49
QP	62.98M	30.72	40.00	-9.28	-15.98	3	Vertical	111	1.25	-	46.70	12.00	0.50	28.48
QP	78.5M	30.34	40.00	-9.66	-15.26	3	Vertical	346	1.25	-	45.60	12.62	0.60	28.48
PK	125.06M	38.32	43.50	-5.18	-9.56	3	Vertical	175	1.00	-	47.88	17.83	0.95	28.34
PK	805.03M	41.34	46.00	-4.66	-0.68	3	Vertical	111	1.25	"Worst"	42.02	25.15	3.22	29.05

Mode 1

08/03/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	30M	35.98	40.00	-4.02	-4.62	3	Horizontal	109	1.00	"Worst"	40.60	23.67	0.20	28.49
QP	66.86M	28.52	40.00	-11.48	-15.98	3	Horizontal	199	3.00	-	44.50	11.96	0.54	28.48
QP	71.71M	27.50	40.00	-12.50	-15.70	3	Horizontal	84	3.00	-	43.20	12.18	0.60	28.48
PK	136.7M	38.96	43.50	-4.54	-10.02	3	Horizontal	231	2.00	-	48.98	17.21	1.07	28.30
PK	604.24M	39.47	46.00	-6.53	-2.59	3	Horizontal	360	1.50	-	42.06	24.01	2.72	29.32
PK	833.16M	40.47	46.00	-5.53	-0.14	3	Horizontal	225	1.00	-	40.61	25.50	3.33	28.97

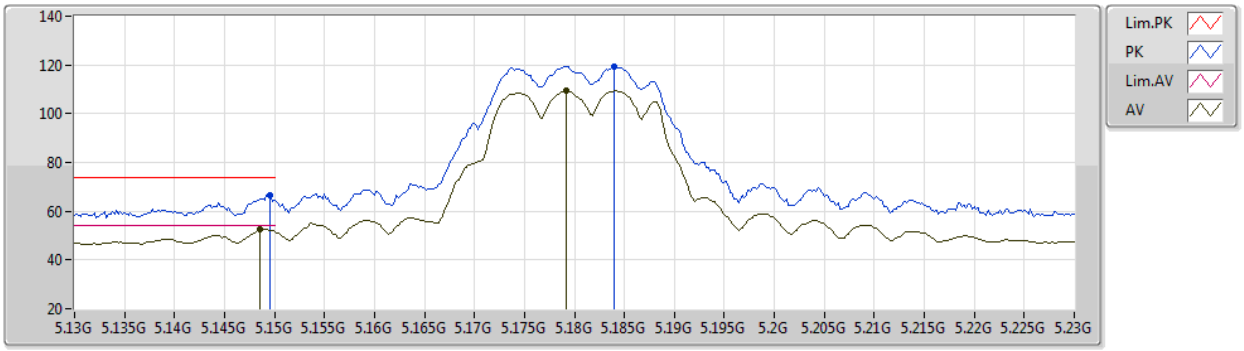
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.15G	52.85	54.00	-1.15	3	Vertical	260	1.94	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

26/12/2020



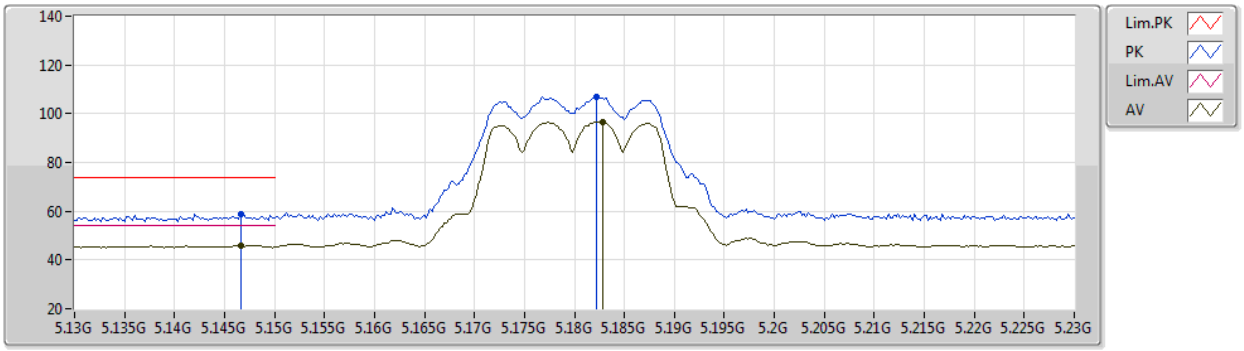
EUT Y_2TX
Setting 20
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	66.81	74.00	-7.19	61.81	3	Vertical	111	1.62	-	33.90	6.43	35.33
AV	5.1486G	52.63	54.00	-1.37	47.63	3	Vertical	111	1.62	-	33.90	6.43	35.33
PK	5.184G	119.42	Inf	-Inf	114.40	3	Vertical	111	1.62	-	33.90	6.41	35.29
AV	5.1792G	109.64	Inf	-Inf	104.63	3	Vertical	111	1.62	-	33.90	6.41	35.30

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

26/12/2020



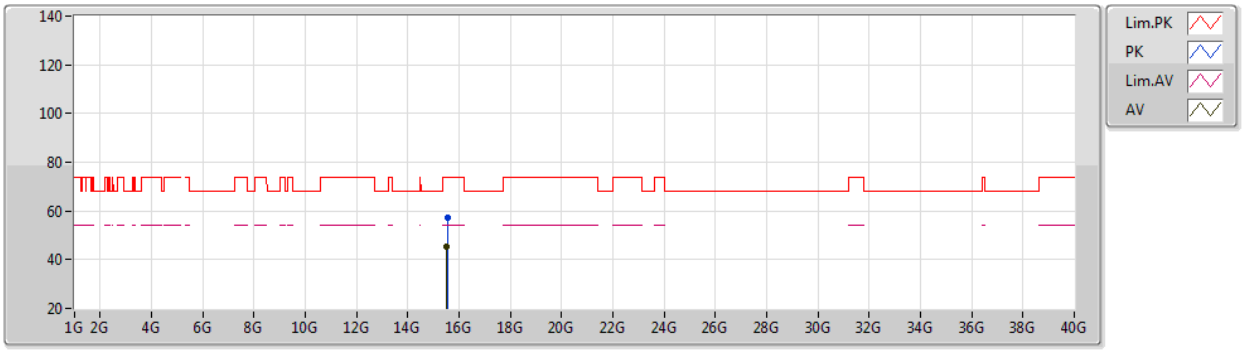
EUT Y_2TX
Setting 20
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1466G	58.91	74.00	-15.09	53.91	3	Horizontal	342	1.72	-	33.90	6.43	35.33
AV	5.1466G	45.97	54.00	-8.03	40.97	3	Horizontal	342	1.72	-	33.90	6.43	35.33
PK	5.1822G	106.82	Inf	-Inf	101.80	3	Horizontal	342	1.72	-	33.90	6.41	35.29
AV	5.1828G	96.78	Inf	-Inf	91.76	3	Horizontal	342	1.72	-	33.90	6.41	35.29

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

26/12/2020



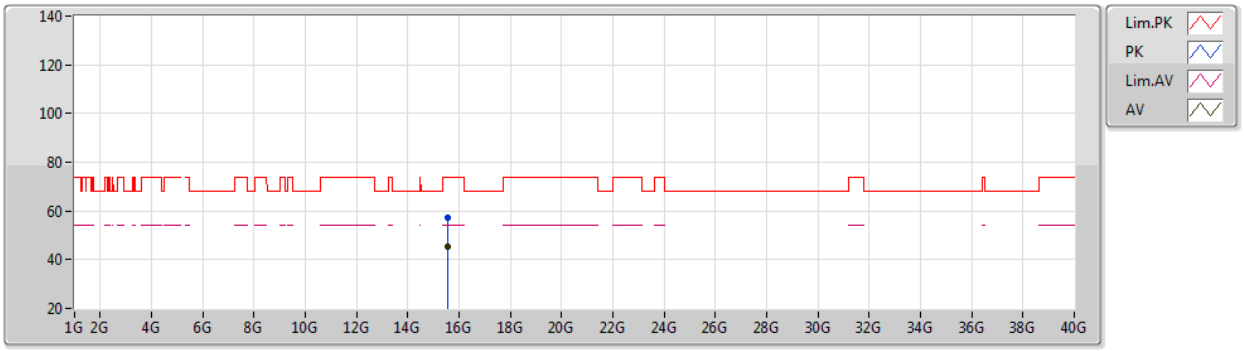
EUT Y_2TX
Setting 20
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5352G	57.06	74.00	-16.94	42.28	3	Vertical	287	1.24	-	38.03	11.77	35.02
AV	15.5195G	45.46	54.00	-8.54	30.65	3	Vertical	287	1.24	-	38.06	11.76	35.01

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

26/12/2020



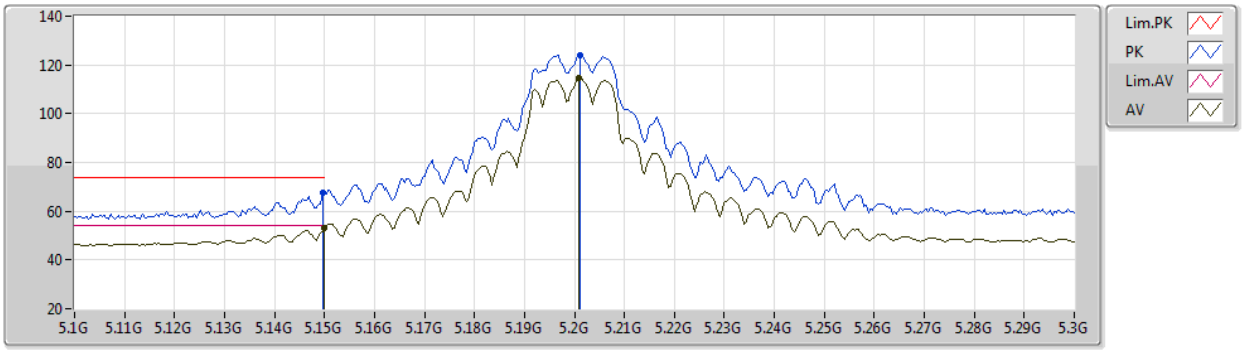
EUT Y_2TX
Setting 20
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5466G	57.00	74.00	-17.00	42.25	3	Horizontal	203	1.46	-	38.01	11.77	35.03
AV	15.5418G	45.38	54.00	-8.62	30.62	3	Horizontal	203	1.46	-	38.02	11.77	35.03

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

26/12/2020



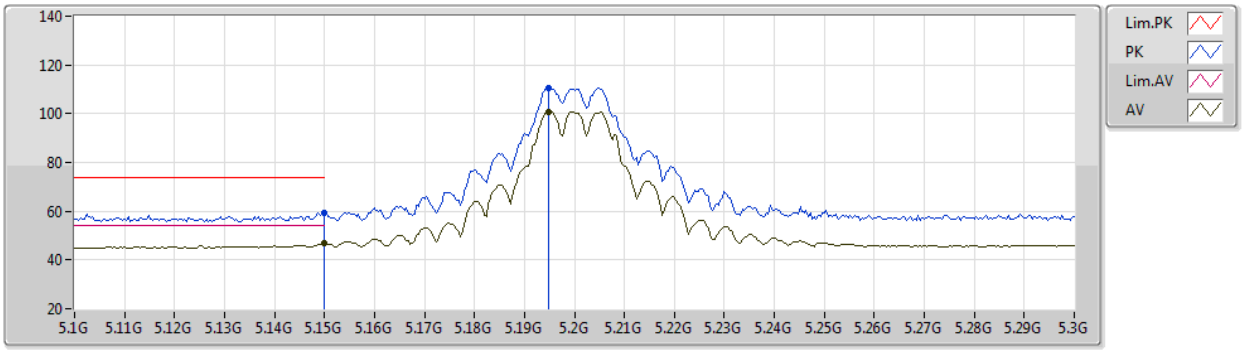
EUT Y_2TX
Setting 26
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	67.68	74.00	-6.32	62.68	3	Vertical	260	1.94	-	33.90	6.43	35.33
AV	5.15G	52.85	54.00	-1.15	47.85	3	Vertical	260	1.94	-	33.90	6.43	35.33
PK	5.2012G	124.14	Inf	-Inf	119.11	3	Vertical	260	1.94	-	33.90	6.40	35.27
AV	5.2008G	114.52	Inf	-Inf	109.49	3	Vertical	260	1.94	-	33.90	6.40	35.27

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

26/12/2020



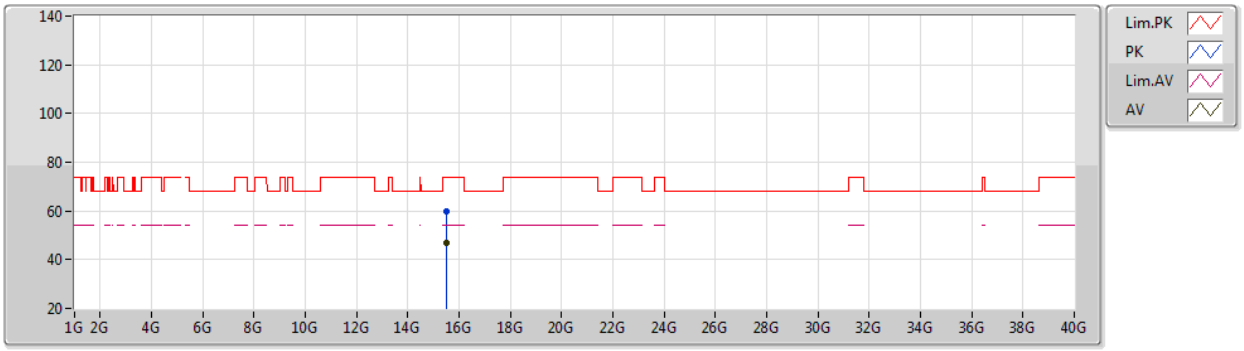
EUT Y_2TX
Setting 26
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	59.38	74.00	-14.62	54.38	3	Horizontal	342	1.80	-	33.90	6.43	35.33
AV	5.15G	46.65	54.00	-7.35	41.65	3	Horizontal	342	1.80	-	33.90	6.43	35.33
PK	5.1948G	110.61	Inf	-Inf	105.59	3	Horizontal	342	1.80	-	33.90	6.40	35.28
AV	5.1948G	100.94	Inf	-Inf	95.92	3	Horizontal	342	1.80	-	33.90	6.40	35.28

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

26/12/2020



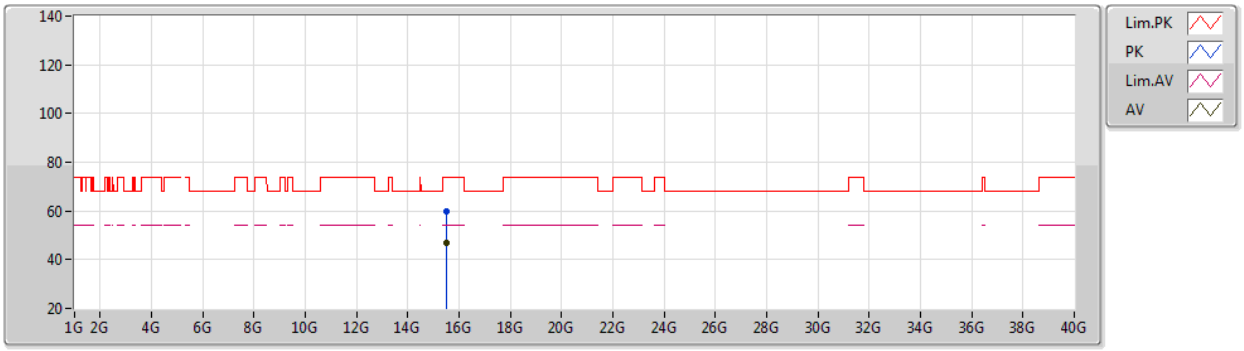
EUT Y_2TX
Setting 26
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5312G	59.88	74.00	-14.12	45.09	3	Vertical	188	1.17	-	38.04	11.77	35.02
AV	15.504G	47.01	54.00	-6.99	32.17	3	Vertical	188	1.17	-	38.09	11.75	35.00

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

26/12/2020



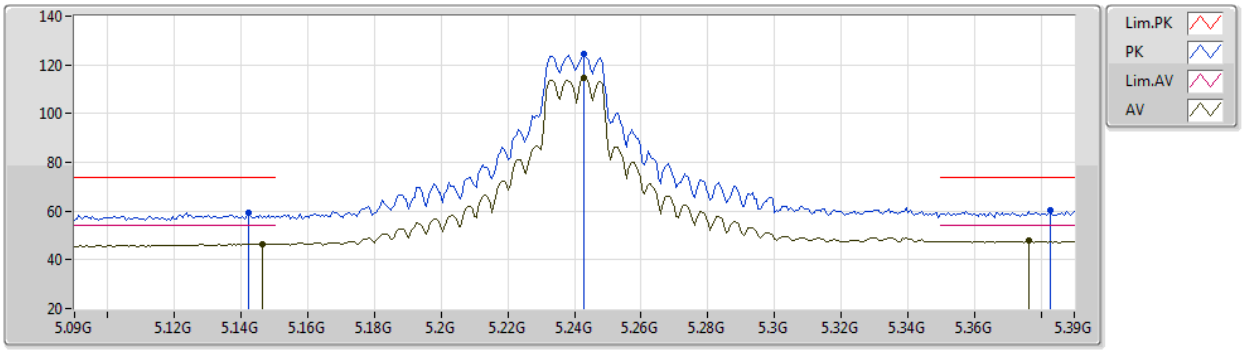
EUT Y_2TX
Setting 26
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5016G	59.91	74.00	-14.09	45.06	3	Horizontal	126	2.48	-	38.10	11.75	35.00
AV	15.5096G	46.83	54.00	-7.17	32.01	3	Horizontal	126	2.48	-	38.08	11.75	35.01

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

26/12/2020



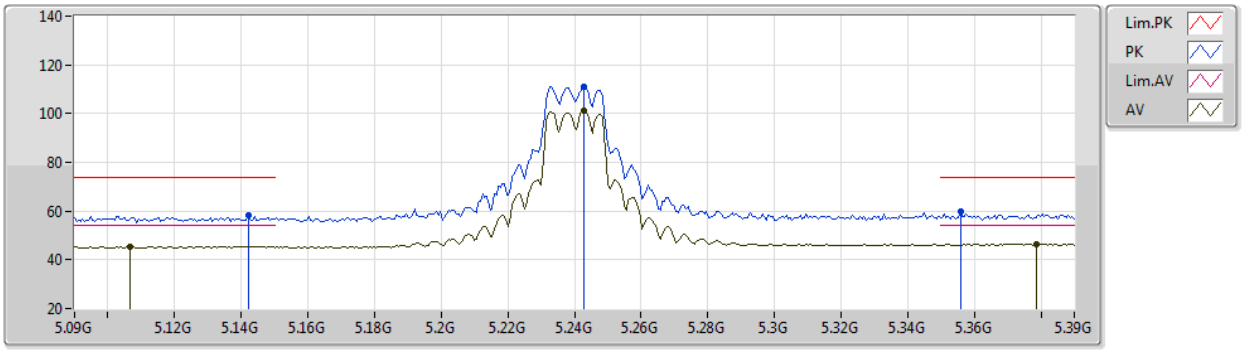
EUT Y_2TX
Setting 27
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1422G	59.29	74.00	-14.71	54.30	3	Vertical	271	1.80	-	33.90	6.43	35.34
AV	5.1464G	46.61	54.00	-7.39	41.61	3	Vertical	271	1.80	-	33.90	6.43	35.33
PK	5.243G	124.69	Inf	-Inf	119.51	3	Vertical	271	1.80	-	33.99	6.42	35.23
AV	5.243G	114.62	Inf	-Inf	109.44	3	Vertical	271	1.80	-	33.99	6.42	35.23
PK	5.3828G	60.14	74.00	-13.86	54.40	3	Vertical	271	1.80	-	34.33	6.49	35.08
AV	5.3762G	47.97	54.00	-6.03	42.21	3	Vertical	271	1.80	-	34.35	6.49	35.08

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

26/12/2020



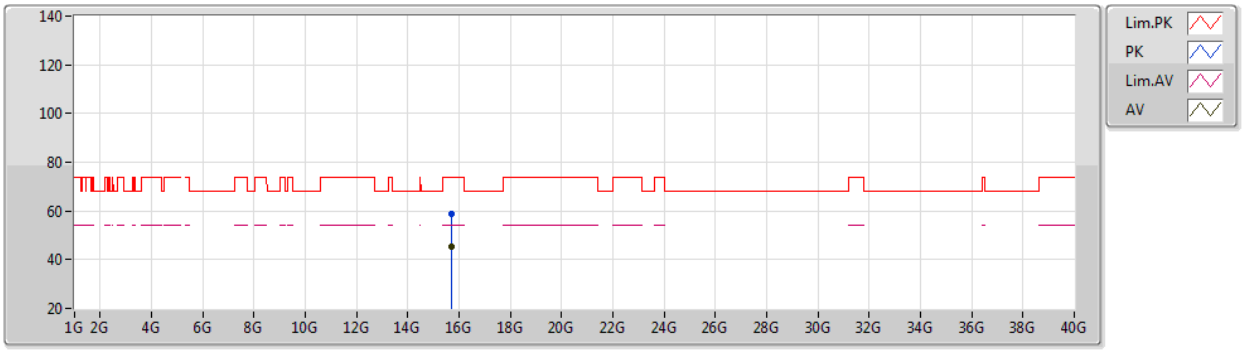
EUT Y_2TX
Setting 27
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1422G	58.22	74.00	-15.78	53.23	3	Horizontal	339	1.67	-	33.90	6.43	35.34
AV	5.1068G	45.41	54.00	-8.59	40.43	3	Horizontal	339	1.67	-	33.90	6.45	35.37
PK	5.243G	110.99	Inf	-Inf	105.81	3	Horizontal	339	1.67	-	33.99	6.42	35.23
AV	5.243G	101.25	Inf	-Inf	96.07	3	Horizontal	339	1.67	-	33.99	6.42	35.23
PK	5.3558G	59.66	74.00	-14.34	53.90	3	Horizontal	339	1.67	-	34.39	6.48	35.11
AV	5.3786G	46.48	54.00	-7.52	40.73	3	Horizontal	339	1.67	-	34.34	6.49	35.08

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

26/12/2020



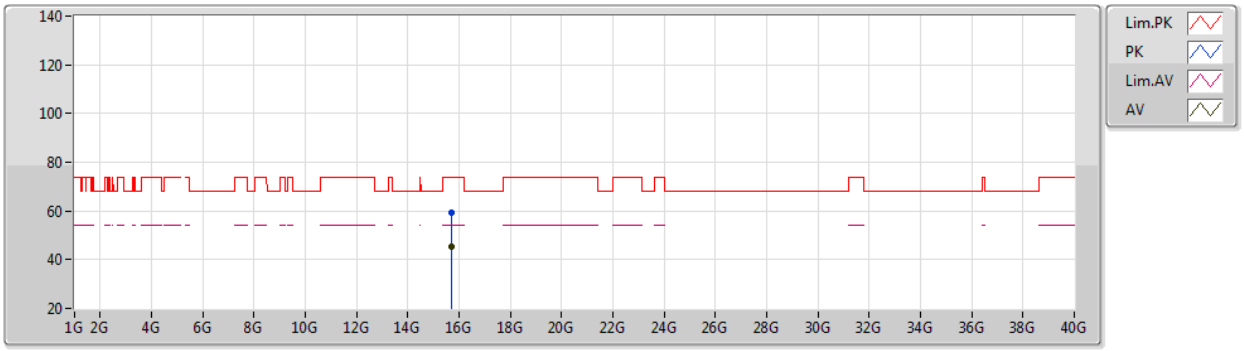
EUT Y_2TX
Setting 27
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.71814G	58.94	74.00	-15.06	44.59	3	Vertical	46	2.37	-	37.63	11.86	35.14
AV	15.70752G	45.13	54.00	-8.87	30.74	3	Vertical	46	2.37	-	37.67	11.85	35.13

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

26/12/2020



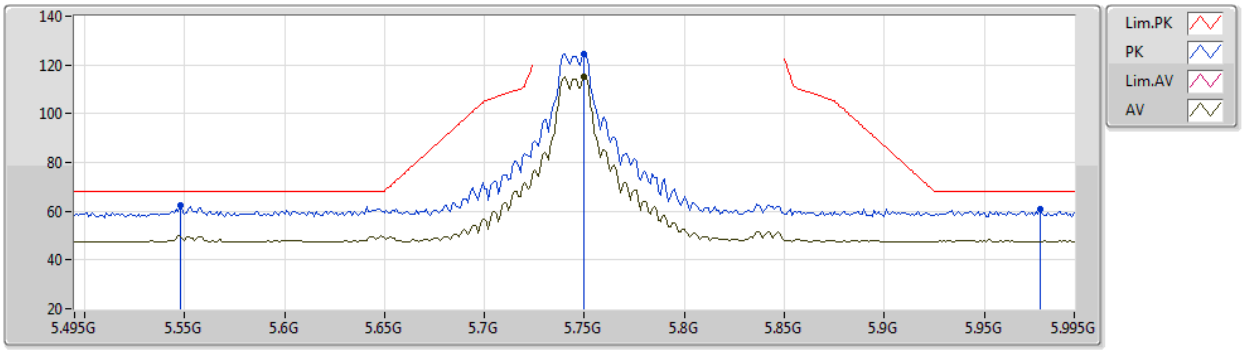
EUT Y_2TX
Setting 27
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.70512G	59.10	74.00	-14.90	44.70	3	Horizontal	100	1.61	-	37.68	11.85	35.13
AV	15.70992G	45.19	54.00	-8.81	30.81	3	Horizontal	100	1.61	-	37.66	11.85	35.13

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

26/12/2020



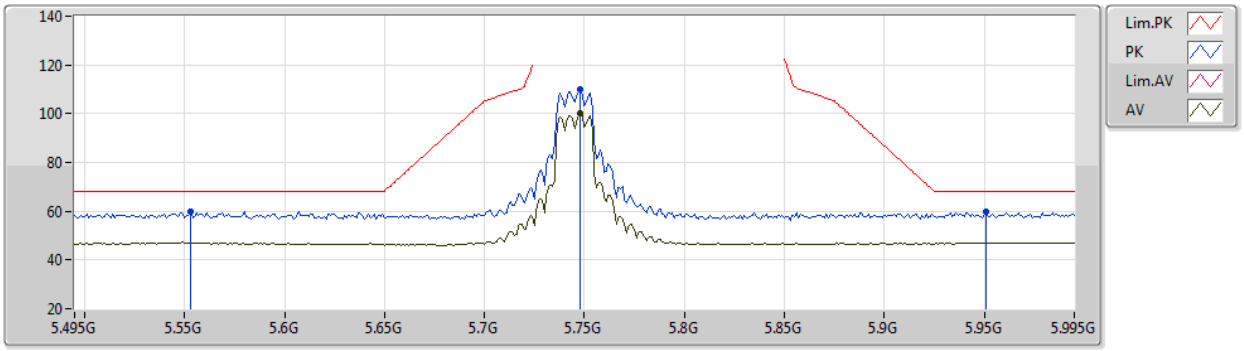
EUT Y_2TX
Setting 27
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.548G	62.36	68.20	-5.84	56.09	3	Vertical	133	1.73	-	34.50	6.72	34.95
PK	5.75G	124.71	Inf	-Inf	118.58	3	Vertical	133	1.73	-	34.20	6.87	34.94
AV	5.75G	114.97	Inf	-Inf	108.84	3	Vertical	133	1.73	-	34.20	6.87	34.94
PK	5.978G	60.72	68.20	-7.48	53.99	3	Vertical	133	1.73	-	34.66	6.99	34.92

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

26/12/2020



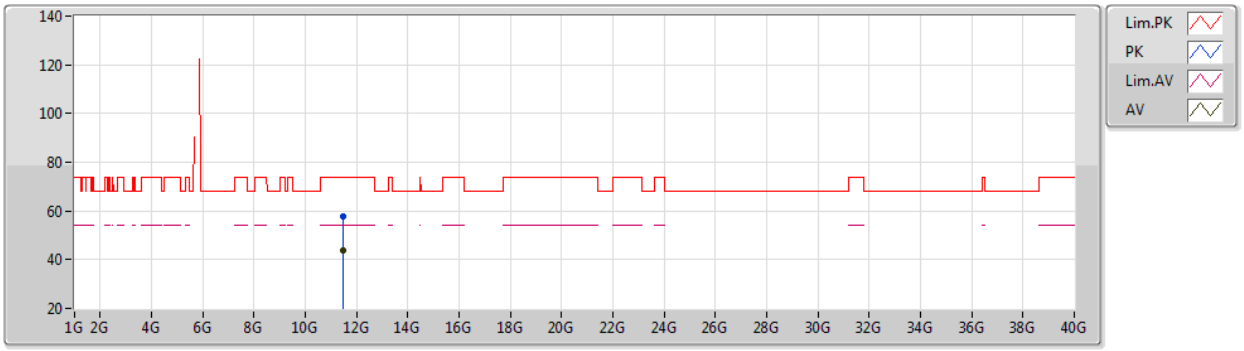
EUT Y_2TX
Setting 27
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.553G	60.07	68.20	-8.13	53.80	3	Horizontal	265	1.67	-	34.49	6.73	34.95
PK	5.748G	109.94	Inf	-Inf	103.81	3	Horizontal	265	1.67	-	34.20	6.87	34.94
AV	5.748G	100.05	Inf	-Inf	93.92	3	Horizontal	265	1.67	-	34.20	6.87	34.94
PK	5.951G	59.78	68.20	-8.42	53.12	3	Horizontal	265	1.67	-	34.60	6.98	34.92

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

26/12/2020



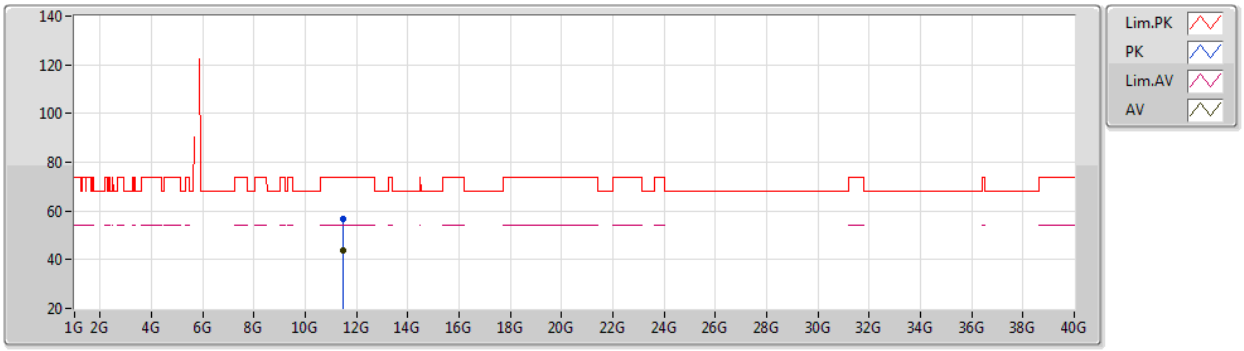
EUT Y_2TX
Setting 27
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4882G	57.56	74.00	-16.44	43.33	3	Vertical	9	2.34	-	38.98	9.90	34.65
AV	11.48838G	43.90	54.00	-10.10	29.67	3	Vertical	9	2.34	-	38.98	9.90	34.65

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

26/12/2020



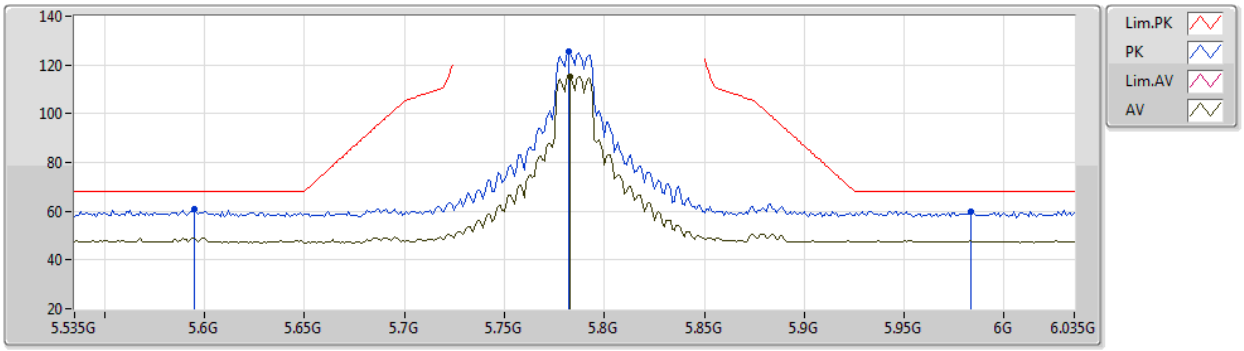
EUT Y_2TX
Setting 27
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.48982G	56.70	74.00	-17.30	42.47	3	Horizontal	90	1.82	-	38.98	9.90	34.65
AV	11.49006G	43.60	54.00	-10.40	29.37	3	Horizontal	90	1.82	-	38.98	9.90	34.65

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

26/12/2020



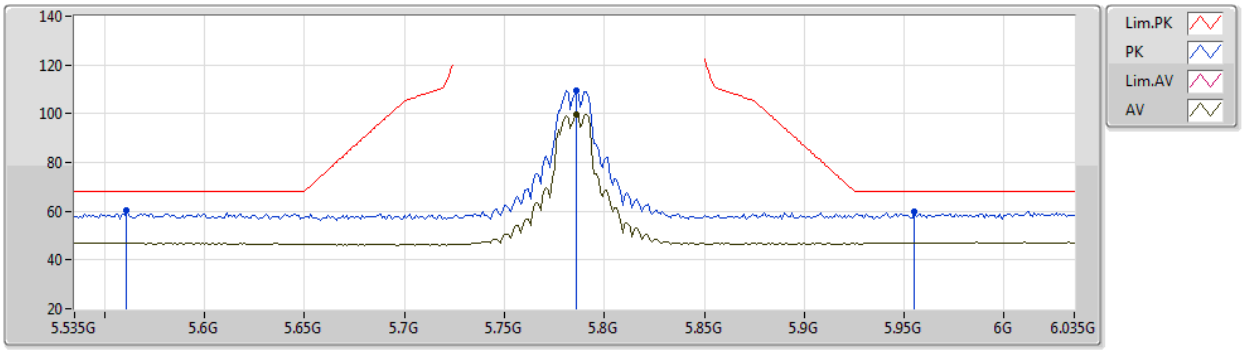
EUT Y_2TX
Setting 27
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.595G	60.88	68.20	-7.32	54.71	3	Vertical	130	1.80	-	34.32	6.79	34.94
PK	5.782G	125.61	Inf	-Inf	119.45	3	Vertical	130	1.80	-	34.20	6.89	34.93
AV	5.783G	115.32	Inf	-Inf	109.16	3	Vertical	130	1.80	-	34.20	6.89	34.93
PK	5.983G	60.06	68.20	-8.14	53.32	3	Vertical	130	1.80	-	34.67	6.99	34.92

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

26/12/2020



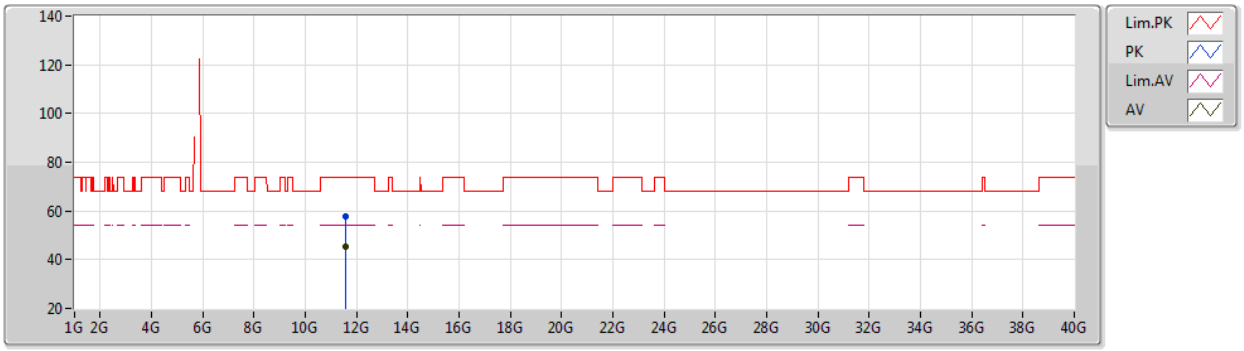
EUT Y_2TX
Setting 27
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.561G	60.12	68.20	-8.08	53.87	3	Horizontal	263	1.64	-	34.46	6.74	34.95
PK	5.786G	109.67	Inf	-Inf	103.51	3	Horizontal	263	1.64	-	34.20	6.89	34.93
AV	5.786G	99.65	Inf	-Inf	93.49	3	Horizontal	263	1.64	-	34.20	6.89	34.93
PK	5.955G	59.70	68.20	-8.50	53.03	3	Horizontal	263	1.64	-	34.61	6.98	34.92

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

26/12/2020



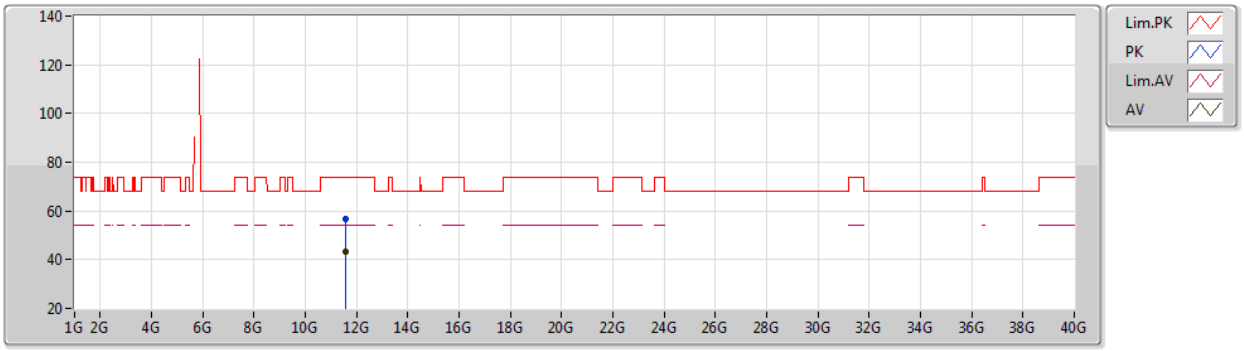
EUT Y_2TX
Setting 27
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.56322G	57.70	74.00	-16.30	43.27	3	Vertical	9	2.06	-	39.19	9.91	34.67
AV	11.56832G	45.31	54.00	-8.69	30.87	3	Vertical	9	2.06	-	39.20	9.91	34.67

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

26/12/2020



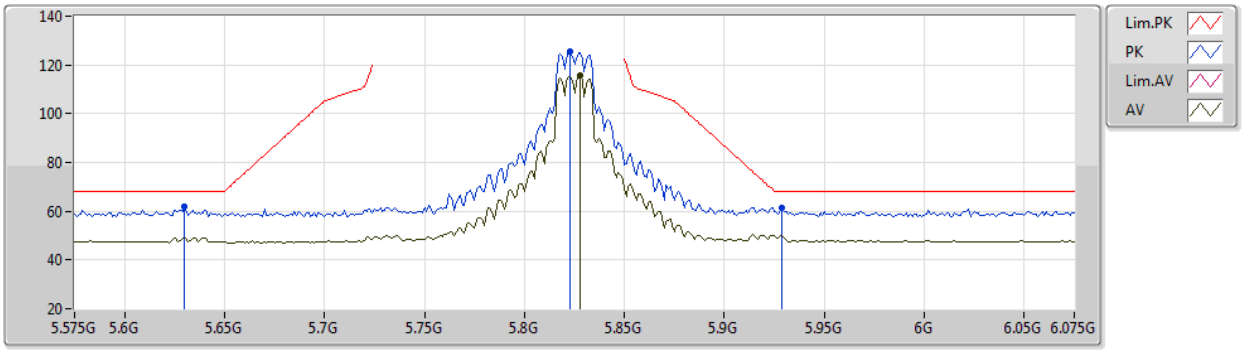
EUT Y_2TX
Setting 27
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57678G	56.64	74.00	-17.36	42.16	3	Horizontal	240	2.49	-	39.23	9.92	34.67
AV	11.57366G	43.15	54.00	-10.85	28.69	3	Horizontal	240	2.49	-	39.22	9.91	34.67

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

26/12/2020



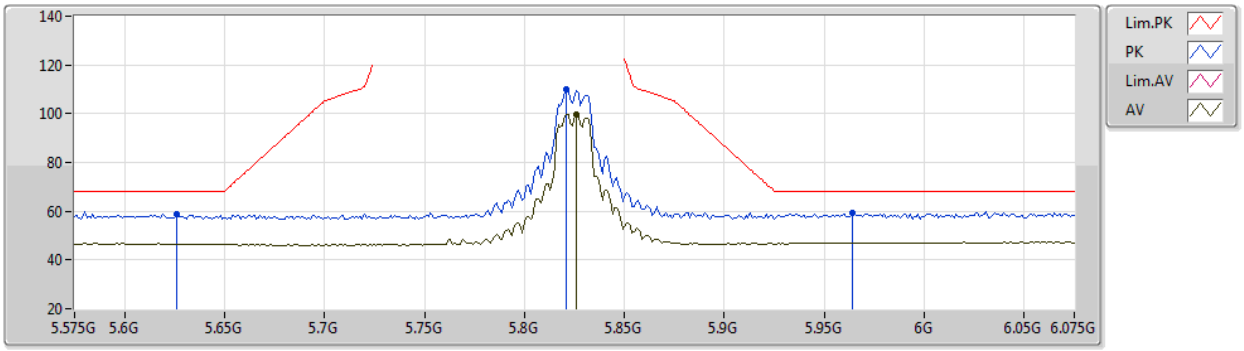
EUT Y_2TX
Setting 27
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.63G	61.97	68.20	-6.23	55.74	3	Vertical	131	1.80	-	34.36	6.81	34.94
PK	5.823G	125.58	Inf	-Inf	119.31	3	Vertical	131	1.80	-	34.29	6.91	34.93
AV	5.828G	115.46	Inf	-Inf	109.17	3	Vertical	131	1.80	-	34.31	6.91	34.93
PK	5.929G	61.25	68.20	-6.95	54.69	3	Vertical	131	1.80	-	34.52	6.96	34.92

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

26/12/2020



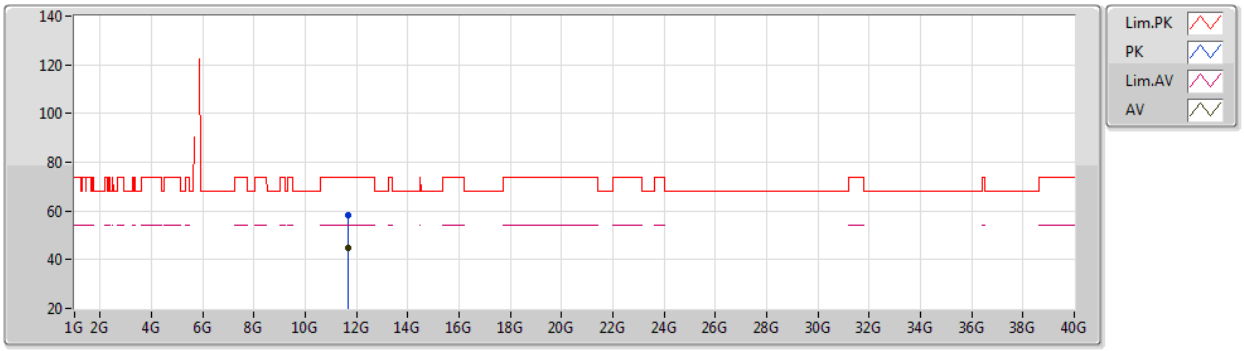
EUT Y_2TX
Setting 27
03-A-C-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.626G	58.94	68.20	-9.26	52.72	3	Horizontal	261	1.86	-	34.35	6.81	34.94
PK	5.821G	110.02	Inf	-Inf	103.76	3	Horizontal	261	1.86	-	34.28	6.91	34.93
AV	5.826G	99.87	Inf	-Inf	93.59	3	Horizontal	261	1.86	-	34.30	6.91	34.93
PK	5.964G	59.22	68.20	-8.98	52.53	3	Horizontal	261	1.86	-	34.63	6.98	34.92

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

26/12/2020



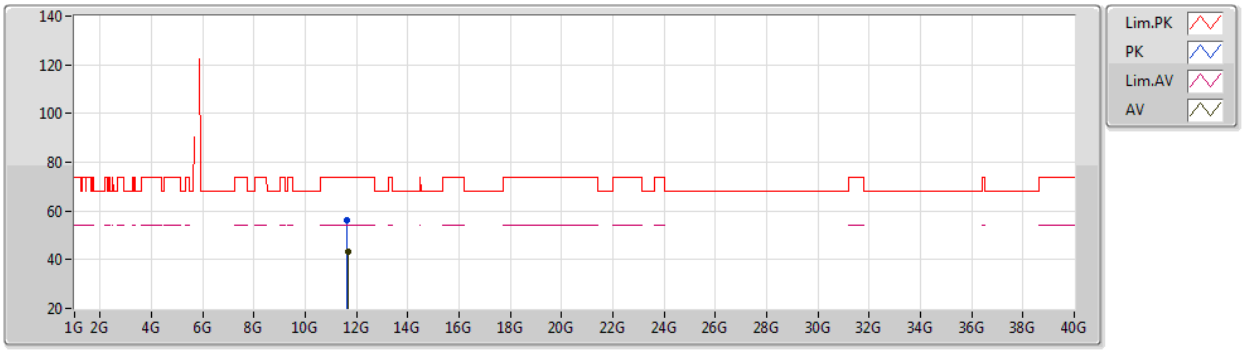
EUT Y_2TX
Setting 27
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.65276G	58.39	74.00	-15.61	43.80	3	Vertical	9	2.02	-	39.35	9.93	34.69
AV	11.64832G	45.01	54.00	-8.99	30.42	3	Vertical	9	2.02	-	39.35	9.93	34.69

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

26/12/2020



EUT Y_2TX
Setting 27
03-A-C-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.64694G	56.40	74.00	-17.60	41.81	3	Horizontal	300	1.48	-	39.35	9.93	34.69
AV	11.6506G	43.27	54.00	-10.73	28.68	3	Horizontal	300	1.48	-	39.35	9.93	34.69

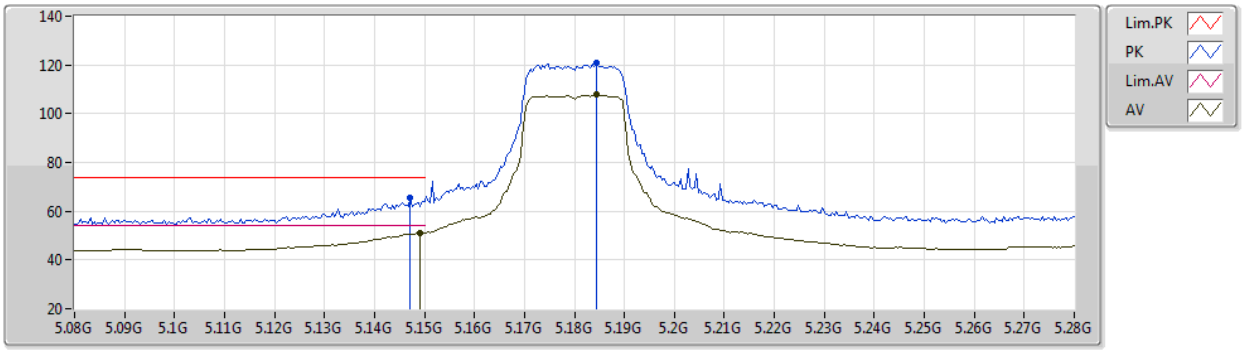
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	AV	5.15G	52.31	54.00	-1.69	3	Vertical	117	1.26	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

21/04/2021



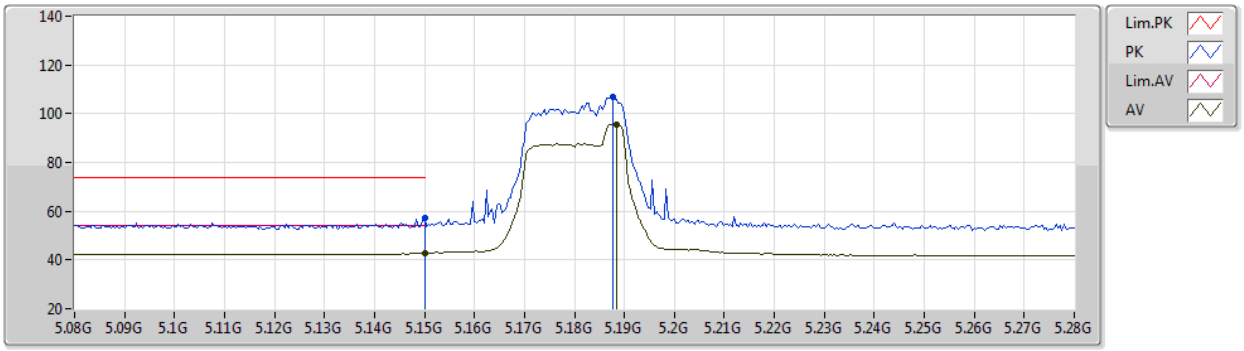
EUT Y_2TX
Setting 26
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1472G	65.26	74.00	-8.74	60.19	3	Vertical	242	1.80	-	31.81	4.99	31.73
AV	5.1492G	51.10	54.00	-2.90	46.03	3	Vertical	242	1.80	-	31.80	5.00	31.73
PK	5.1844G	120.96	Inf	-Inf	115.93	3	Vertical	242	1.80	-	31.66	5.07	31.70
AV	5.1844G	107.78	Inf	-Inf	102.75	3	Vertical	242	1.80	-	31.66	5.07	31.70

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

21/04/2021



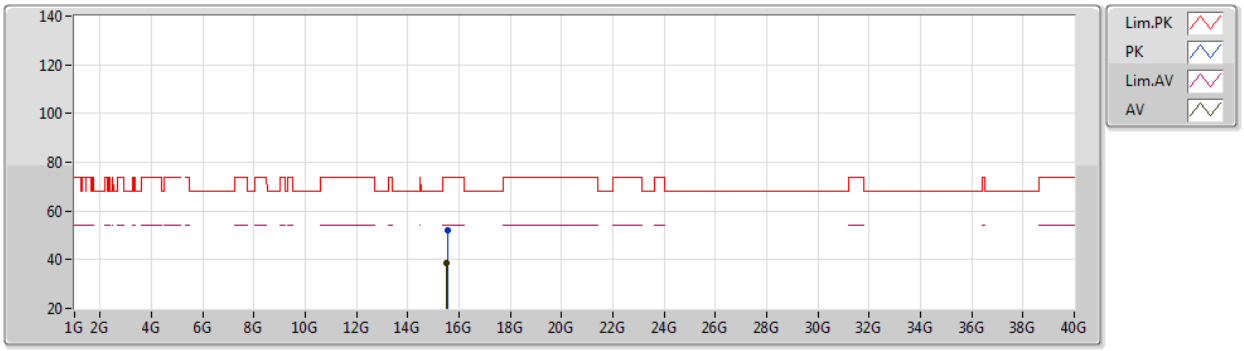
EUT Y_2TX
Setting 26
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	57.50	74.00	-16.50	52.43	3	Horizontal	141	1.80	-	31.80	5.00	31.73
AV	5.15G	42.77	54.00	-11.23	37.70	3	Horizontal	141	1.80	-	31.80	5.00	31.73
PK	5.1876G	106.79	Inf	-Inf	101.76	3	Horizontal	141	1.80	-	31.65	5.08	31.70
AV	5.1884G	95.77	Inf	-Inf	90.74	3	Horizontal	141	1.80	-	31.65	5.08	31.70

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

21/04/2021



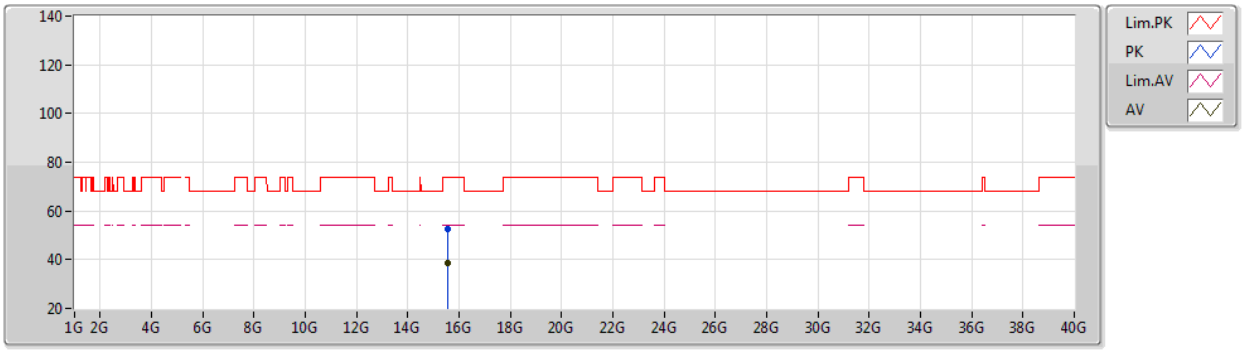
EUT Y_2TX
Setting 26
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.54408G	52.10	74.00	-21.90	38.02	3	Vertical	3	1.42	-	37.88	9.04	32.84
AV	15.53012G	38.63	54.00	-15.37	24.48	3	Vertical	3	1.42	-	37.95	9.04	32.84

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

21/04/2021



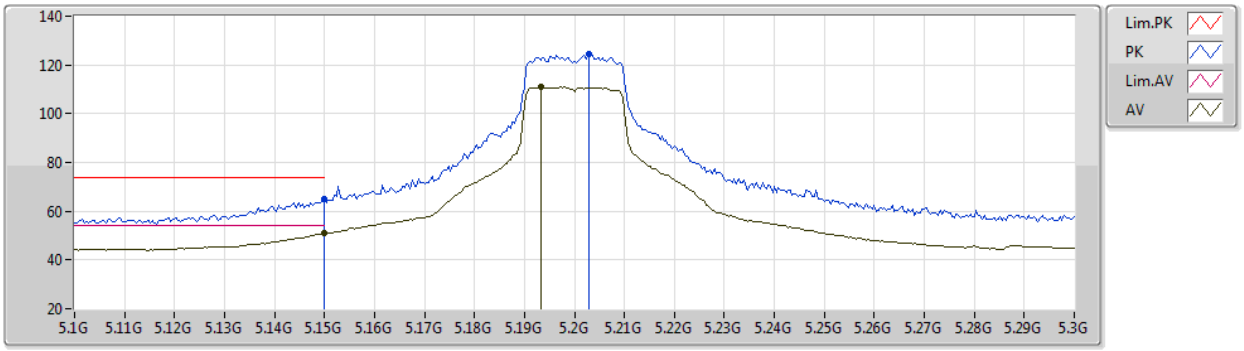
EUT Y_2TX
Setting 26
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.54336G	52.67	74.00	-21.33	38.59	3	Horizontal	138	1.55	-	37.88	9.04	32.84
AV	15.53924G	38.73	54.00	-15.27	24.63	3	Horizontal	138	1.55	-	37.90	9.04	32.84

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

21/04/2021



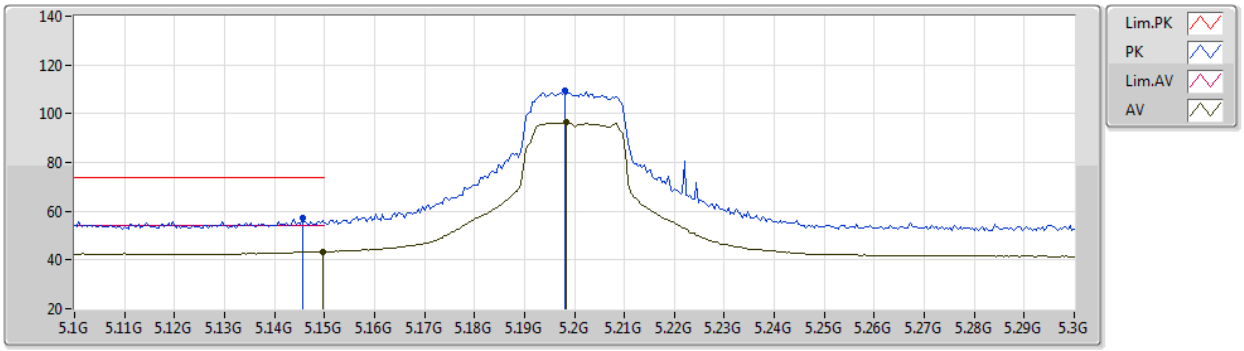
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	64.81	74.00	-9.19	59.74	3	Vertical	248	1.77	-	31.80	5.00	31.73
AV	5.15G	50.91	54.00	-3.09	45.84	3	Vertical	248	1.77	-	31.80	5.00	31.73
PK	5.2028G	124.30	Inf	-Inf	119.30	3	Vertical	248	1.77	-	31.59	5.10	31.69
AV	5.1932G	111.03	Inf	-Inf	106.01	3	Vertical	248	1.77	-	31.63	5.09	31.70

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

21/04/2021



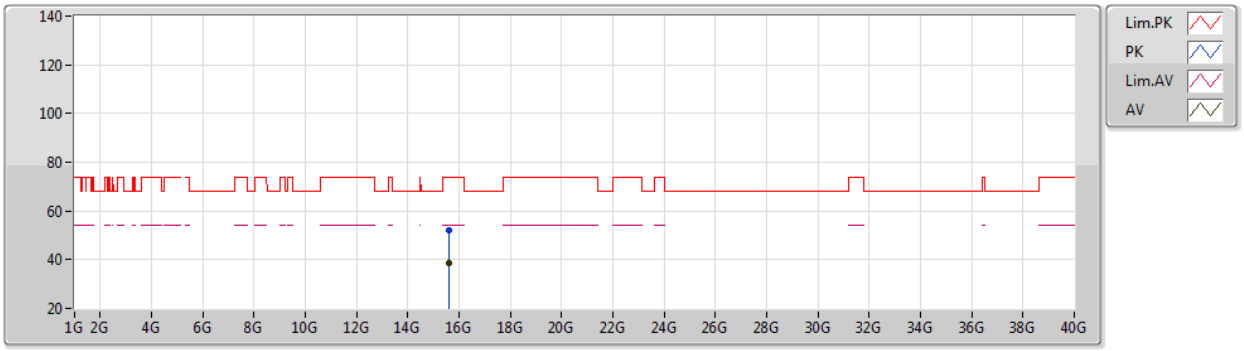
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1456G	57.23	74.00	-16.77	52.15	3	Horizontal	200	1.80	-	31.82	4.99	31.73
AV	5.1496G	43.42	54.00	-10.58	38.35	3	Horizontal	200	1.80	-	31.80	5.00	31.73
PK	5.198G	109.27	Inf	-Inf	104.25	3	Horizontal	200	1.80	-	31.61	5.10	31.69
AV	5.1984G	96.32	Inf	-Inf	91.30	3	Horizontal	200	1.80	-	31.61	5.10	31.69

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

21/04/2021



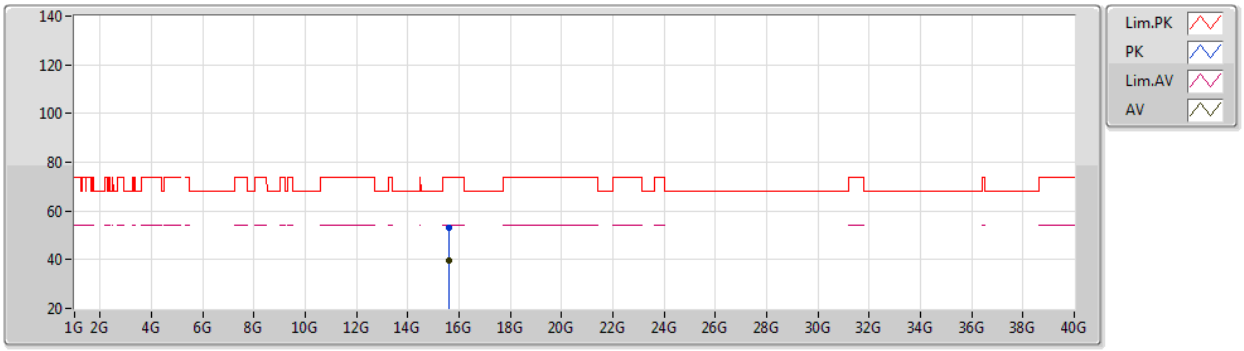
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.59396G	52.30	74.00	-21.70	38.46	3	Vertical	171	2.00	-	37.63	9.06	32.85
AV	15.6086G	38.72	54.00	-15.28	24.91	3	Vertical	171	2.00	-	37.60	9.06	32.85

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

21/04/2021



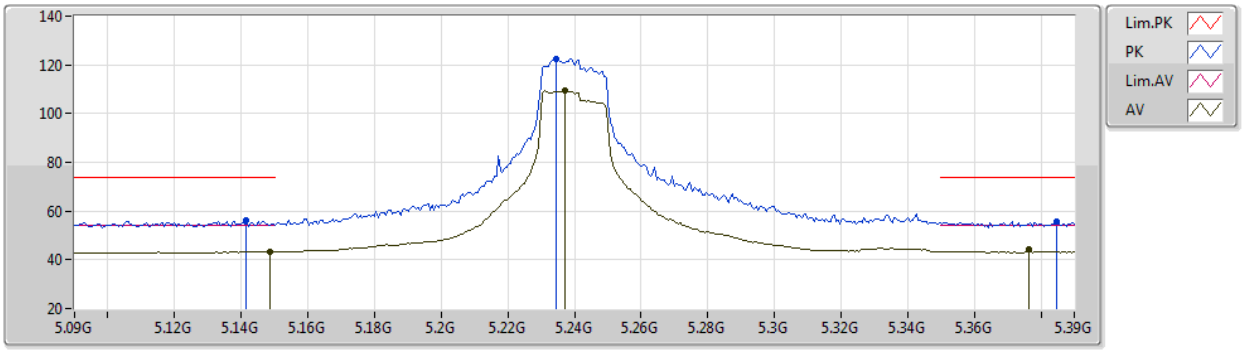
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.603G	52.91	74.00	-21.09	39.10	3	Horizontal	287	2.13	-	37.60	9.06	32.85
AV	15.59712G	39.48	54.00	-14.52	25.66	3	Horizontal	287	2.13	-	37.61	9.06	32.85

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

21/04/2021



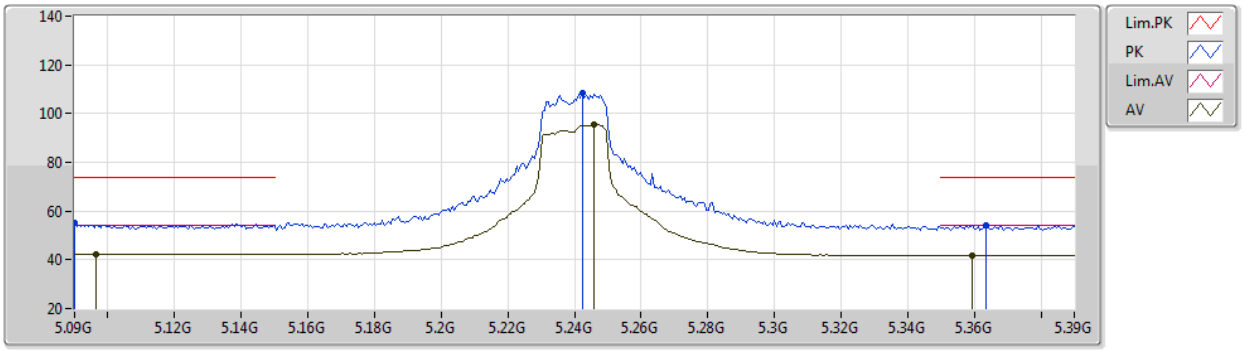
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1416G	56.37	74.00	-17.63	51.30	3	Vertical	347	1.80	-	31.83	4.98	31.74
AV	5.1488G	43.40	54.00	-10.60	38.33	3	Vertical	347	1.80	-	31.80	5.00	31.73
PK	5.2346G	122.65	Inf	-Inf	117.78	3	Vertical	347	1.80	-	31.46	5.08	31.67
AV	5.237G	109.27	Inf	-Inf	104.40	3	Vertical	347	1.80	-	31.45	5.08	31.66
PK	5.3846G	55.58	74.00	-18.42	50.55	3	Vertical	347	1.80	-	31.58	5.01	31.56
AV	5.3762G	44.51	54.00	-9.49	39.55	3	Vertical	347	1.80	-	31.51	5.01	31.56

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

21/04/2021



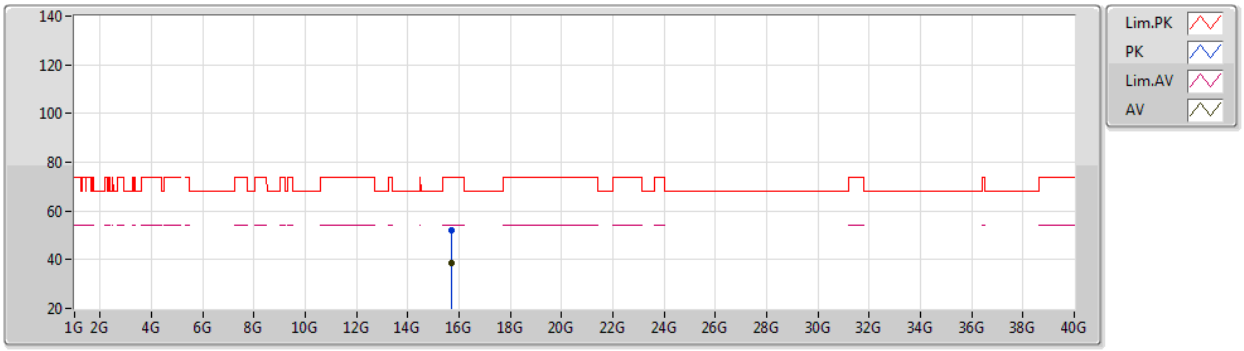
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.09G	55.38	74.00	-18.62	50.29	3	Horizontal	135	1.61	-	31.98	4.88	31.77
AV	5.0966G	42.48	54.00	-11.52	37.37	3	Horizontal	135	1.61	-	31.99	4.89	31.77
PK	5.2424G	108.29	Inf	-Inf	103.44	3	Horizontal	135	1.61	-	31.43	5.08	31.66
AV	5.246G	95.51	Inf	-Inf	90.67	3	Horizontal	135	1.61	-	31.42	5.08	31.66
PK	5.3636G	54.20	74.00	-19.80	49.34	3	Horizontal	135	1.61	-	31.41	5.02	31.57
AV	5.3594G	41.83	54.00	-12.17	37.00	3	Horizontal	135	1.61	-	31.38	5.02	31.57

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

21/04/2021



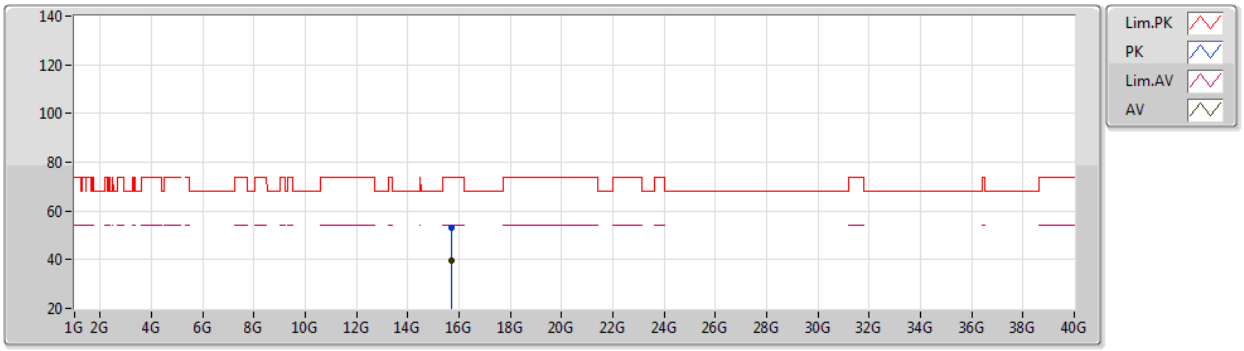
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.7134G	51.99	74.00	-22.01	38.19	3	Vertical	304	1.40	-	37.56	9.10	32.86
AV	15.71802G	38.59	54.00	-15.41	24.80	3	Vertical	304	1.40	-	37.55	9.10	32.86

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

21/04/2021



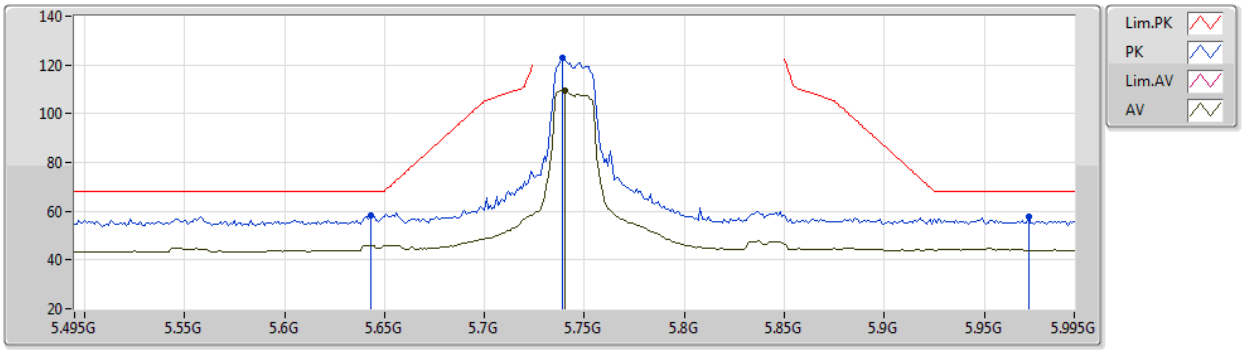
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.7287G	53.04	74.00	-20.96	39.28	3	Horizontal	26	1.10	-	37.51	9.11	32.86
AV	15.70518G	39.59	54.00	-14.41	25.77	3	Horizontal	26	1.10	-	37.58	9.10	32.86

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

21/04/2021



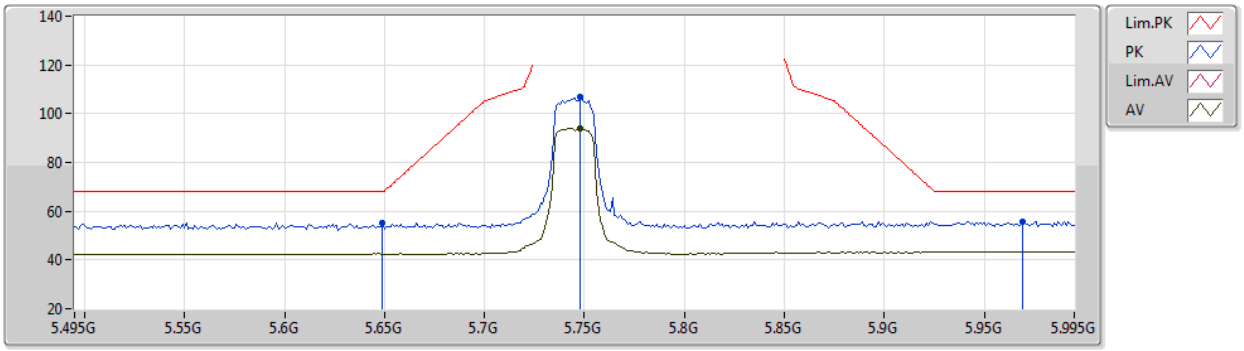
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.643G	58.05	68.20	-10.15	52.75	3	Vertical	279	1.96	-	31.60	5.16	31.46
PK	5.739G	122.70	Inf	-Inf	117.22	3	Vertical	279	1.96	-	31.88	5.06	31.46
AV	5.74G	109.69	Inf	-Inf	104.21	3	Vertical	279	1.96	-	31.88	5.06	31.46
PK	5.972G	57.66	68.20	-10.54	51.33	3	Vertical	279	1.96	-	32.26	5.52	31.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

21/04/2021



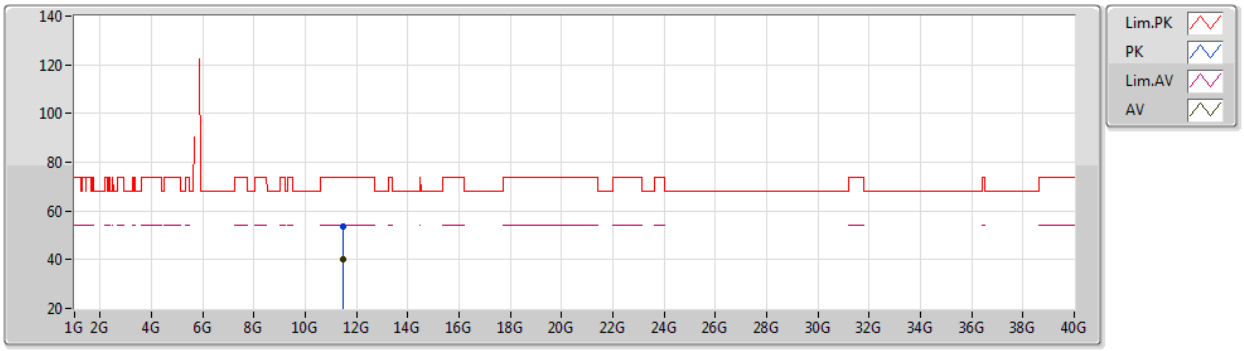
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.649G	55.43	68.20	-12.77	50.14	3	Horizontal	262	1.96	-	31.60	5.15	31.46
PK	5.748G	106.72	Inf	-Inf	101.23	3	Horizontal	262	1.96	-	31.90	5.05	31.46
AV	5.748G	94.07	Inf	-Inf	88.58	3	Horizontal	262	1.96	-	31.90	5.05	31.46
PK	5.969G	55.81	68.20	-12.39	49.49	3	Horizontal	262	1.96	-	32.26	5.51	31.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

21/04/2021



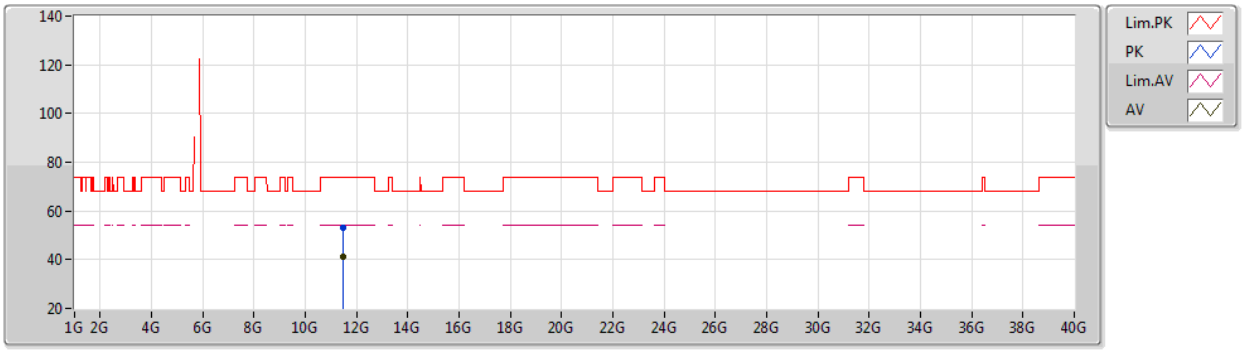
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.47944G	53.41	74.00	-20.59	38.41	3	Vertical	350	2.68	-	40.30	7.62	32.92
AV	11.48988G	40.14	54.00	-13.86	25.15	3	Vertical	350	2.68	-	40.30	7.62	32.93

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

21/04/2021



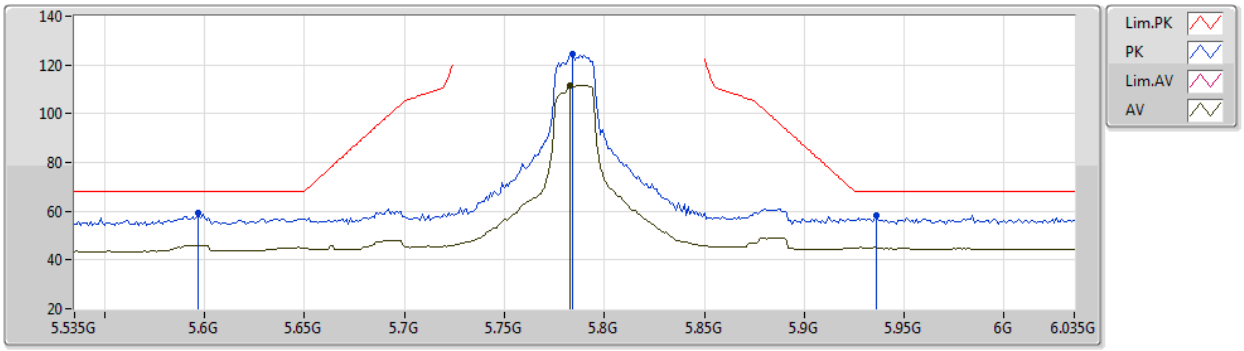
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4753G	53.12	74.00	-20.88	38.12	3	Horizontal	209	2.82	-	40.30	7.62	32.92
AV	11.4783G	41.21	54.00	-12.79	26.21	3	Horizontal	209	2.82	-	40.30	7.62	32.92

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

21/04/2021



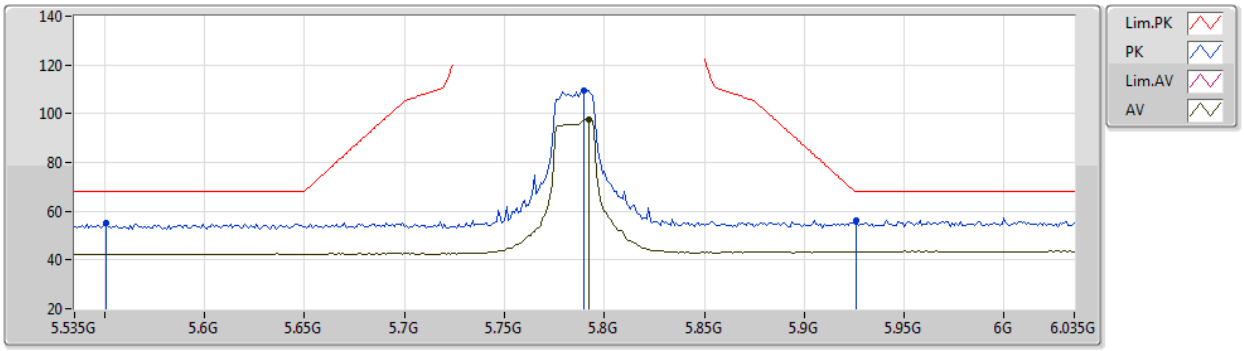
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.597G	59.15	68.20	-9.05	53.82	3	Vertical	135	1.88	-	31.60	5.20	31.47
PK	5.784G	124.32	Inf	-Inf	118.86	3	Vertical	135	1.88	-	31.90	5.02	31.46
AV	5.783G	111.75	Inf	-Inf	106.29	3	Vertical	135	1.88	-	31.90	5.02	31.46
PK	5.936G	58.16	68.20	-10.04	51.96	3	Vertical	135	1.88	-	32.24	5.41	31.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

21/04/2021



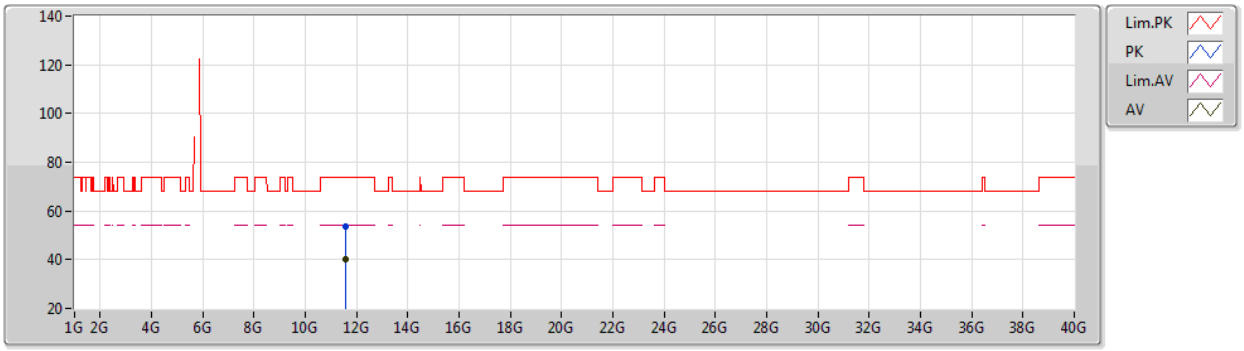
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.551G	55.12	68.20	-13.08	49.84	3	Horizontal	46	2.04	-	31.60	5.15	31.47
PK	5.79G	109.71	Inf	-Inf	104.26	3	Horizontal	46	2.04	-	31.90	5.01	31.46
AV	5.792G	97.69	Inf	-Inf	92.24	3	Horizontal	46	2.04	-	31.90	5.01	31.46
PK	5.926G	56.32	68.20	-11.88	50.19	3	Horizontal	46	2.04	-	32.20	5.38	31.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

21/04/2021



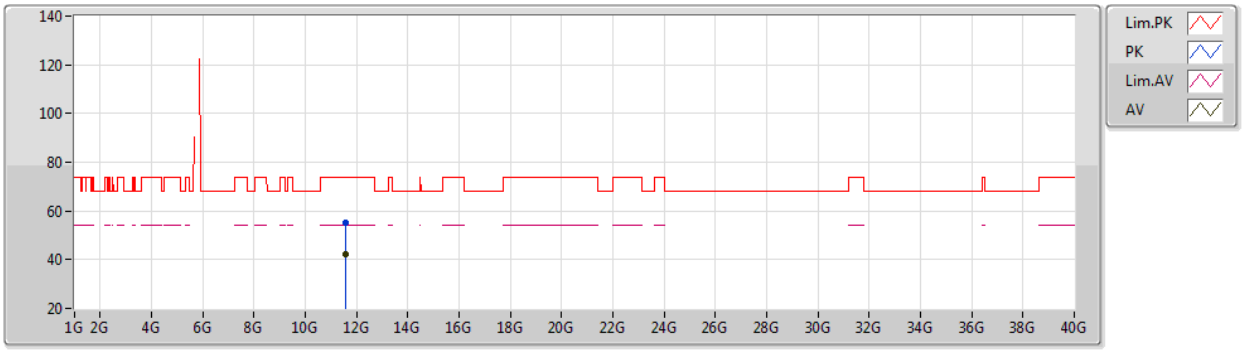
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57456G	53.51	74.00	-20.49	38.71	3	Vertical	156	2.77	-	40.08	7.65	32.93
AV	11.56796G	40.35	54.00	-13.65	25.53	3	Vertical	156	2.77	-	40.10	7.65	32.93

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

21/04/2021



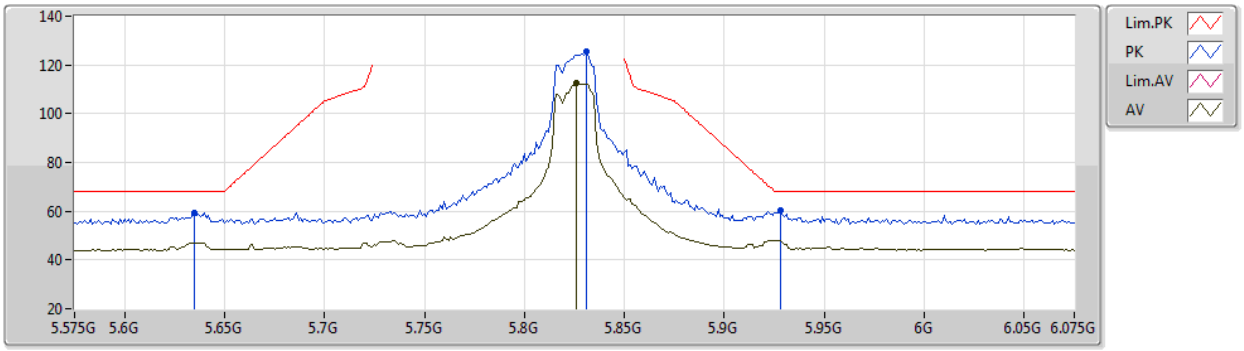
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57162G	54.98	74.00	-19.02	40.17	3	Horizontal	300	1.54	-	40.09	7.65	32.93
AV	11.56964G	42.12	54.00	-11.88	27.31	3	Horizontal	300	1.54	-	40.09	7.65	32.93

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

21/04/2021



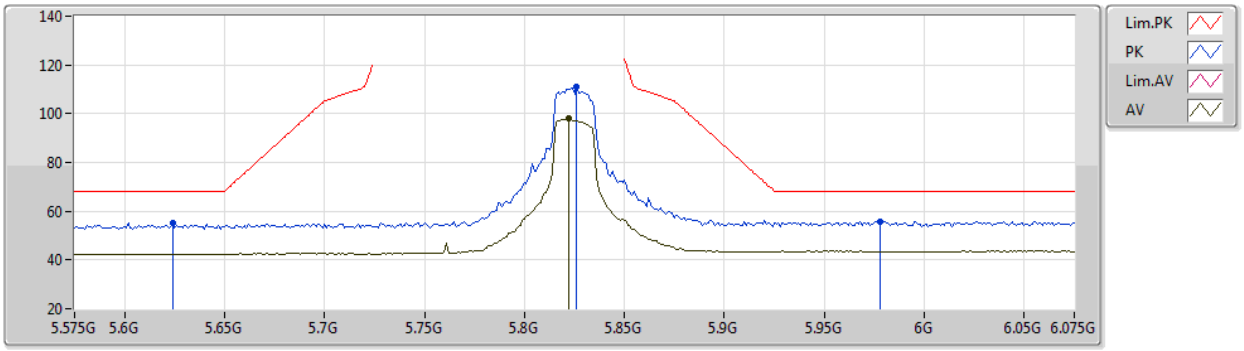
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.635G	59.15	68.20	-9.05	53.84	3	Vertical	153	1.80	-	31.60	5.17	31.46
PK	5.831G	125.31	Inf	-Inf	119.66	3	Vertical	153	1.80	-	32.02	5.09	31.46
AV	5.826G	112.43	Inf	-Inf	106.81	3	Vertical	153	1.80	-	32.00	5.08	31.46
PK	5.928G	60.51	68.20	-7.69	54.37	3	Vertical	153	1.80	-	32.21	5.38	31.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

21/04/2021



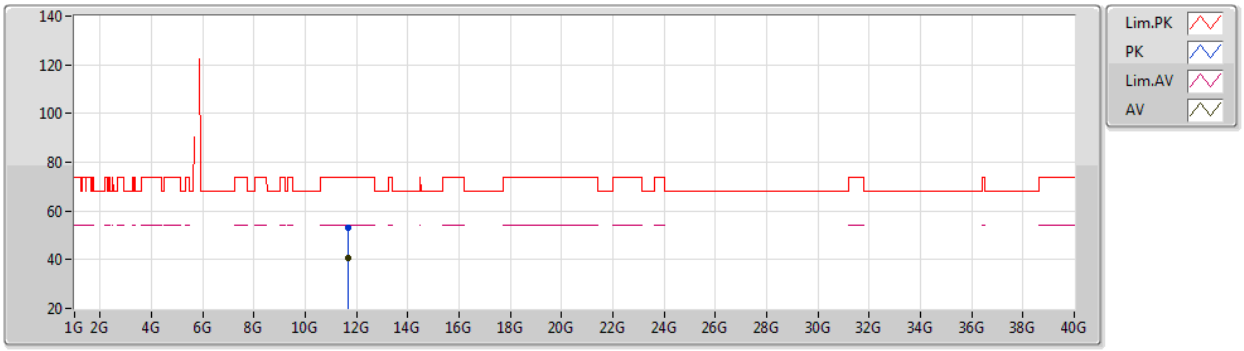
EUT Y_2TX
Setting 29
02-B-N-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.624G	55.09	68.20	-13.11	49.78	3	Horizontal	46	2.50	-	31.60	5.18	31.47
PK	5.826G	110.90	Inf	-Inf	105.28	3	Horizontal	46	2.50	-	32.00	5.08	31.46
AV	5.822G	98.06	Inf	-Inf	92.46	3	Horizontal	46	2.50	-	31.99	5.07	31.46
PK	5.978G	55.80	68.20	-12.40	49.48	3	Horizontal	46	2.50	-	32.24	5.53	31.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

21/04/2021



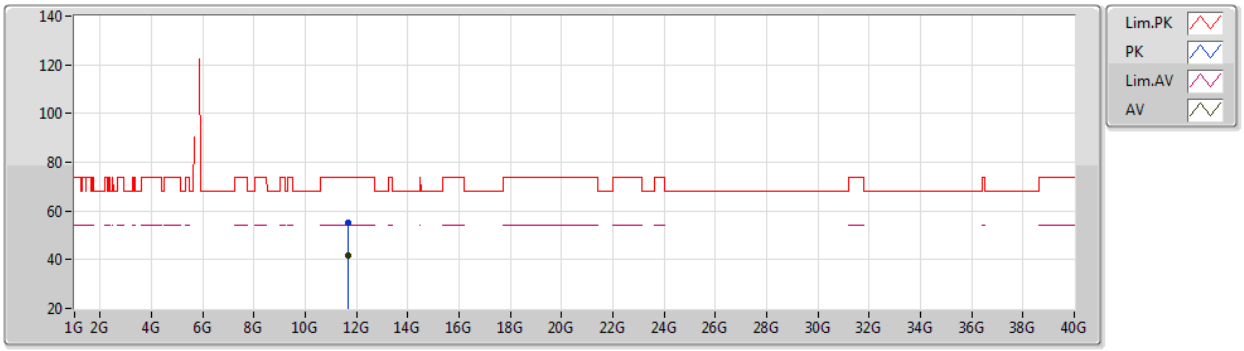
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.64868G	53.21	74.00	-20.79	38.80	3	Vertical	360	1.90	-	39.66	7.68	32.93
AV	11.64808G	40.54	54.00	-13.46	26.13	3	Vertical	360	1.90	-	39.66	7.68	32.93

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

21/04/2021

5825MHz_TX



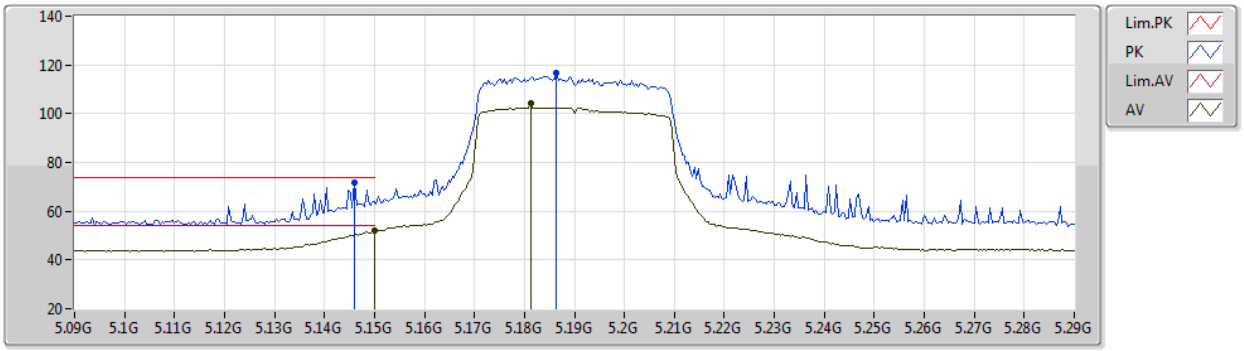
EUT Y_2TX
Setting 29
02-B-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.65456G	55.40	74.00	-18.60	41.03	3	Horizontal	210	1.94	-	39.62	7.68	32.93
AV	11.65G	41.69	54.00	-12.31	27.29	3	Horizontal	210	1.94	-	39.65	7.68	32.93

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

21/04/2021



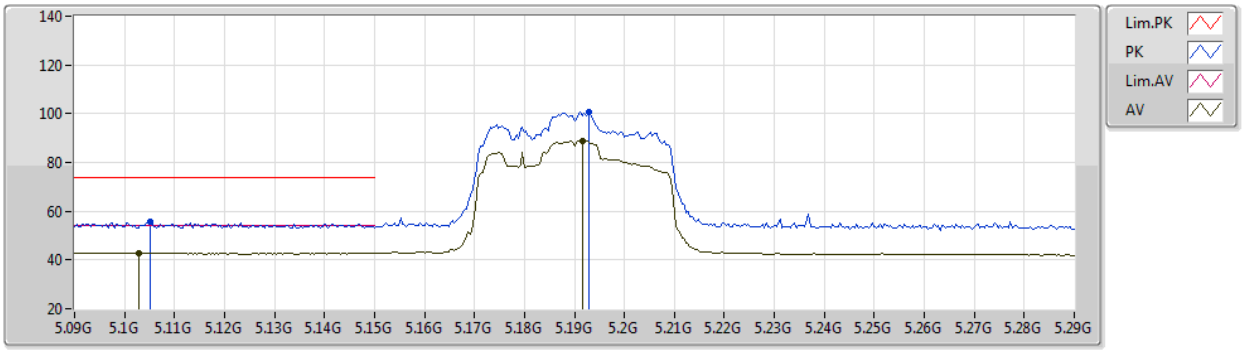
EUT Y_2TX
Setting 21
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.146G	71.93	74.00	-2.07	66.85	3	Vertical	249	2.25	-	31.82	4.99	31.73
AV	5.15G	51.82	54.00	-2.18	46.75	3	Vertical	249	2.25	-	31.80	5.00	31.73
PK	5.1864G	116.57	Inf	-Inf	111.55	3	Vertical	249	2.25	-	31.65	5.07	31.70
AV	5.1812G	104.08	Inf	-Inf	99.05	3	Vertical	249	2.25	-	31.68	5.06	31.71

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

21/04/2021



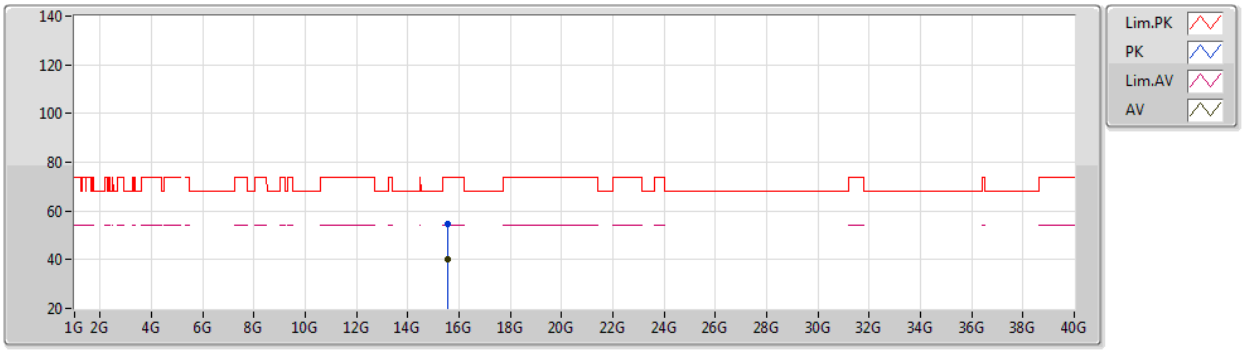
EUT Y_2TX
Setting 21
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1052G	55.58	74.00	-18.42	50.45	3	Horizontal	57	1.53	-	31.98	4.91	31.76
AV	5.1028G	43.01	54.00	-10.99	37.87	3	Horizontal	57	1.53	-	31.99	4.91	31.76
PK	5.1928G	100.70	Inf	-Inf	95.68	3	Horizontal	57	1.53	-	31.63	5.09	31.70
AV	5.1916G	88.93	Inf	-Inf	83.92	3	Horizontal	57	1.53	-	31.63	5.08	31.70

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

21/04/2021



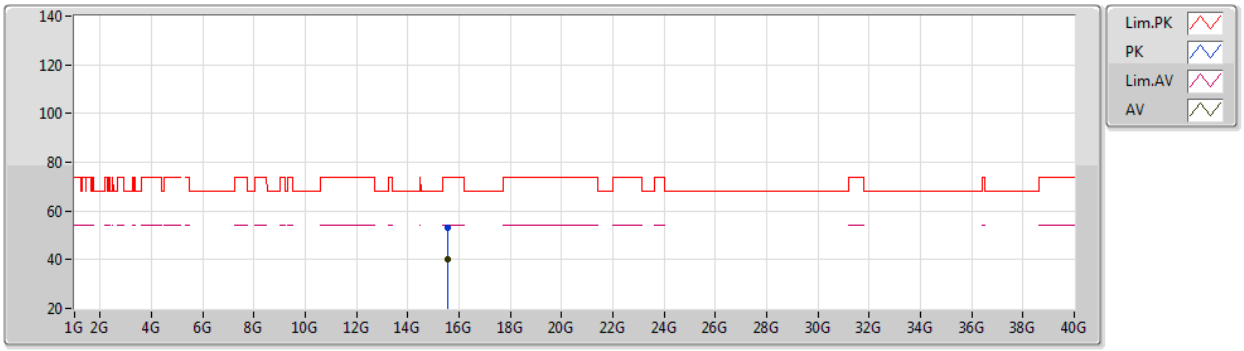
EUT Y_2TX
Setting 21
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5768G	54.50	74.00	-19.50	40.58	3	Vertical	315	1.19	-	37.72	9.05	32.85
AV	15.57296G	40.08	54.00	-13.92	26.14	3	Vertical	315	1.19	-	37.74	9.05	32.85

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

21/04/2021



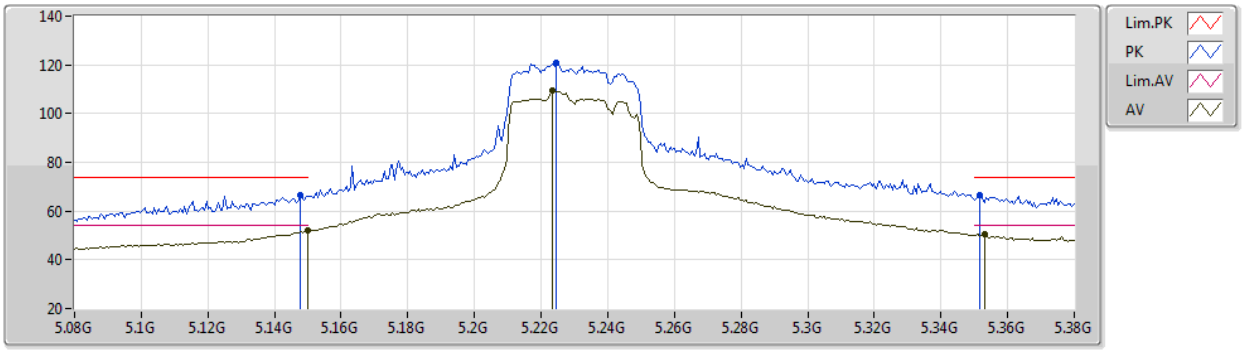
EUT Y_2TX
Setting 21
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.56388G	53.15	74.00	-20.85	39.17	3	Horizontal	262	1.43	-	37.78	9.05	32.85
AV	15.57344G	40.07	54.00	-13.93	26.14	3	Horizontal	262	1.43	-	37.73	9.05	32.85

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

21/04/2021



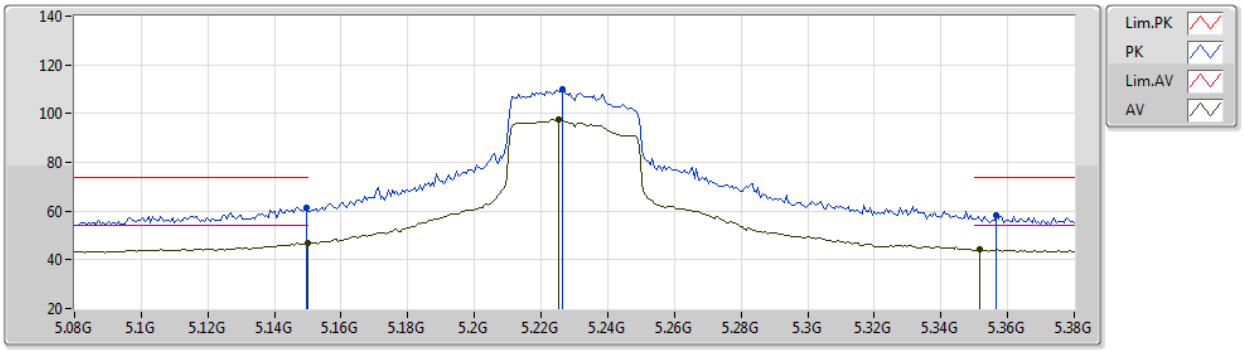
EUT Y_2TX
Setting 28
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1478G	66.33	74.00	-7.67	61.25	3	Vertical	117	1.26	-	31.81	5.00	31.73
AV	5.15G	52.31	54.00	-1.69	47.24	3	Vertical	117	1.26	-	31.80	5.00	31.73
PK	5.2246G	121.08	Inf	-Inf	116.16	3	Vertical	117	1.26	-	31.50	5.09	31.67
AV	5.2234G	109.38	Inf	-Inf	104.45	3	Vertical	117	1.26	-	31.51	5.09	31.67
PK	5.3518G	66.71	74.00	-7.29	61.96	3	Vertical	117	1.26	-	31.31	5.02	31.58
AV	5.353G	50.41	54.00	-3.59	45.65	3	Vertical	117	1.26	-	31.32	5.02	31.58

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

21/04/2021



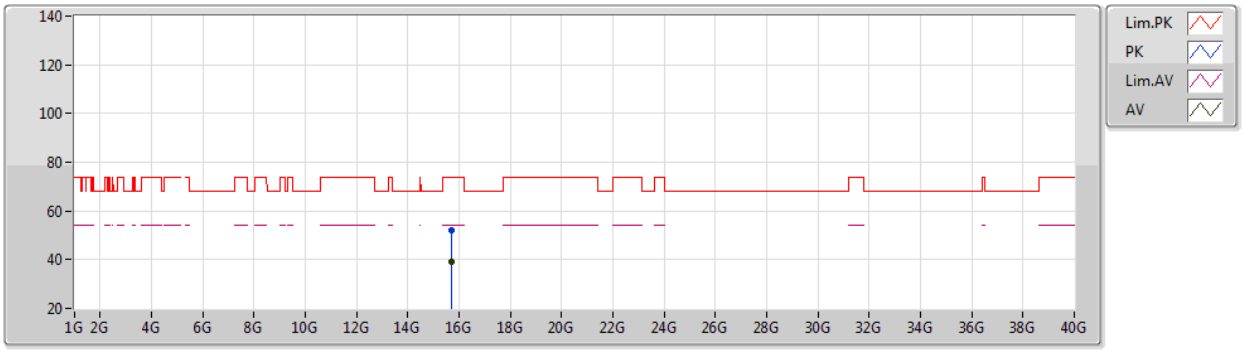
EUT Y_2TX
Setting 28
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	61.55	74.00	-12.45	56.48	3	Horizontal	100	2.78	-	31.80	5.00	31.73
AV	5.15G	46.95	54.00	-7.05	41.88	3	Horizontal	100	2.78	-	31.80	5.00	31.73
PK	5.2264G	110.00	Inf	-Inf	105.09	3	Horizontal	100	2.78	-	31.49	5.09	31.67
AV	5.2252G	97.41	Inf	-Inf	92.49	3	Horizontal	100	2.78	-	31.50	5.09	31.67
PK	5.3566G	58.13	74.00	-15.87	53.34	3	Horizontal	100	2.78	-	31.35	5.02	31.58
AV	5.3518G	44.07	54.00	-9.93	39.32	3	Horizontal	100	2.78	-	31.31	5.02	31.58

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

21/04/2021



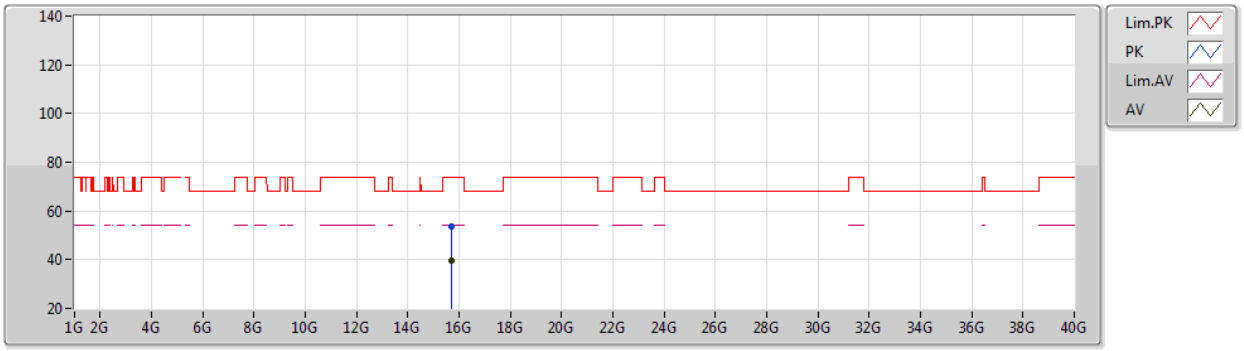
EUT Y_2TX
Setting 28
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.69068G	52.23	74.00	-21.77	38.40	3	Vertical	13	1.79	-	37.60	9.09	32.86
AV	15.6966G	39.30	54.00	-14.70	25.47	3	Vertical	13	1.79	-	37.60	9.09	32.86

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

21/04/2021



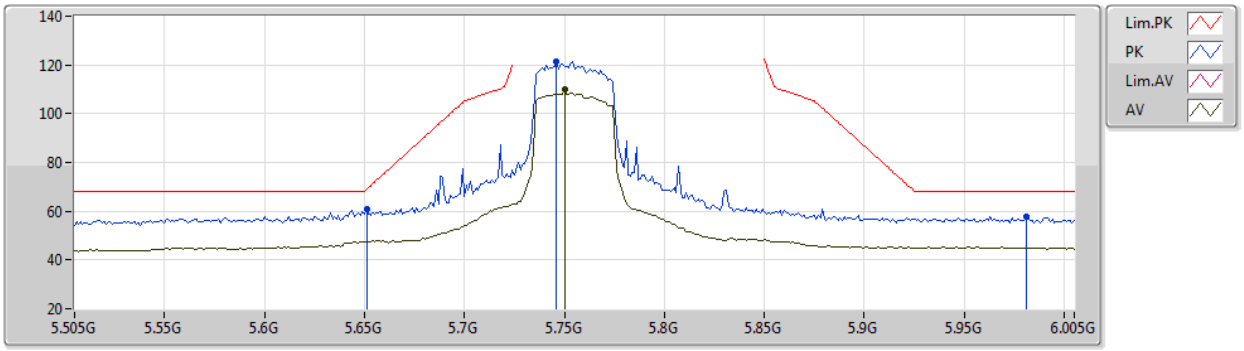
EUT Y_2TX
Setting 28
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.68832G	53.69	74.00	-20.31	39.86	3	Horizontal	207	1.33	-	37.60	9.09	32.86
AV	15.68708G	39.79	54.00	-14.21	25.95	3	Horizontal	207	1.33	-	37.60	9.09	32.85

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

21/04/2021



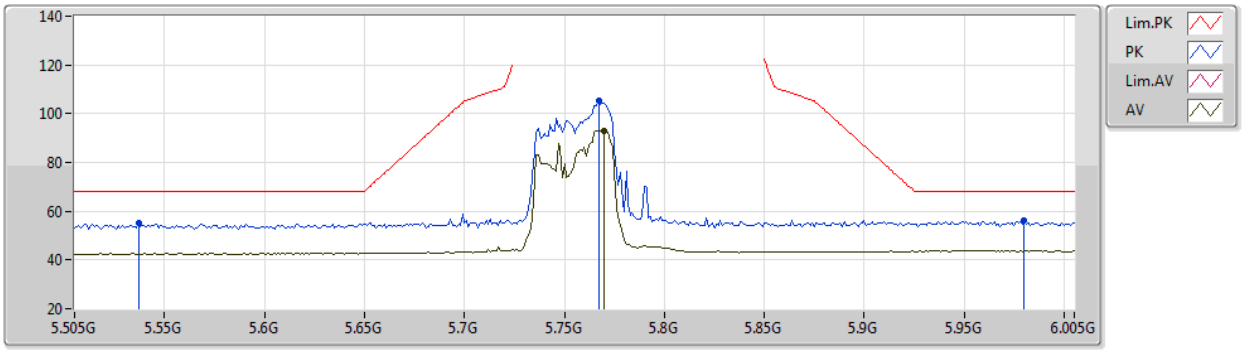
EUT Y_2TX
Setting 28
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.651G	61.02	68.94	-7.92	55.73	3	Vertical	136	1.79	-	31.60	5.15	31.46
PK	5.746G	121.40	Inf	-Inf	115.92	3	Vertical	136	1.79	-	31.89	5.05	31.46
AV	5.75G	110.20	Inf	-Inf	104.71	3	Vertical	136	1.79	-	31.90	5.05	31.46
PK	5.981G	57.81	68.20	-10.39	51.48	3	Vertical	136	1.79	-	32.24	5.54	31.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

21/04/2021

5755MHz_TX



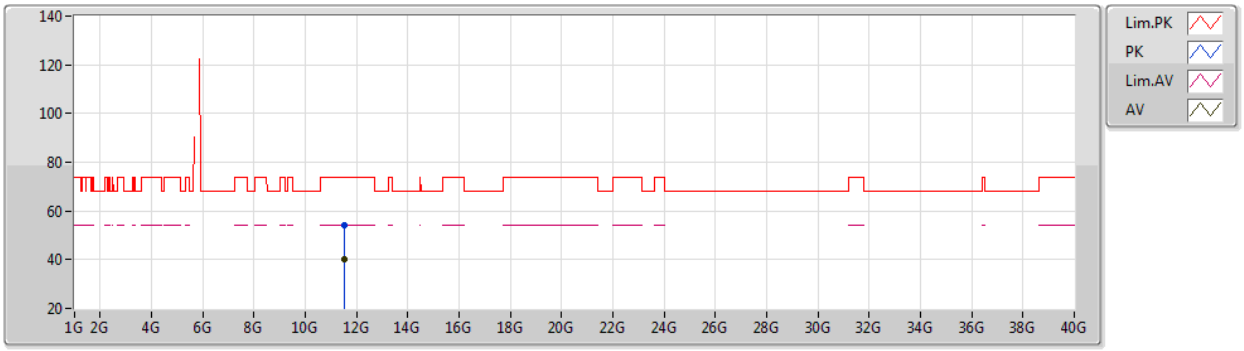
EUT Y_2TX
Setting 28
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.537G	55.14	68.20	-13.06	49.84	3	Horizontal	185	2.77	-	31.63	5.14	31.47
PK	5.767G	105.47	Inf	-Inf	100.00	3	Horizontal	185	2.77	-	31.90	5.03	31.46
AV	5.77G	93.16	Inf	-Inf	87.69	3	Horizontal	185	2.77	-	31.90	5.03	31.46
PK	5.98G	56.33	68.20	-11.87	50.00	3	Horizontal	185	2.77	-	32.24	5.54	31.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

21/04/2021



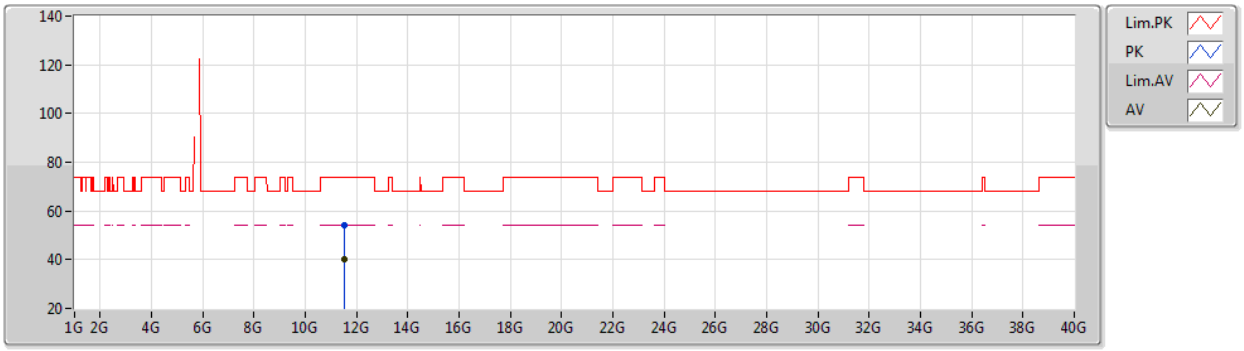
EUT Y_2TX
Setting 28
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.51068G	53.97	74.00	-20.03	39.00	3	Vertical	202	2.30	-	40.27	7.63	32.93
AV	11.50504G	40.14	54.00	-13.86	25.16	3	Vertical	202	2.30	-	40.28	7.63	32.93

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

21/04/2021



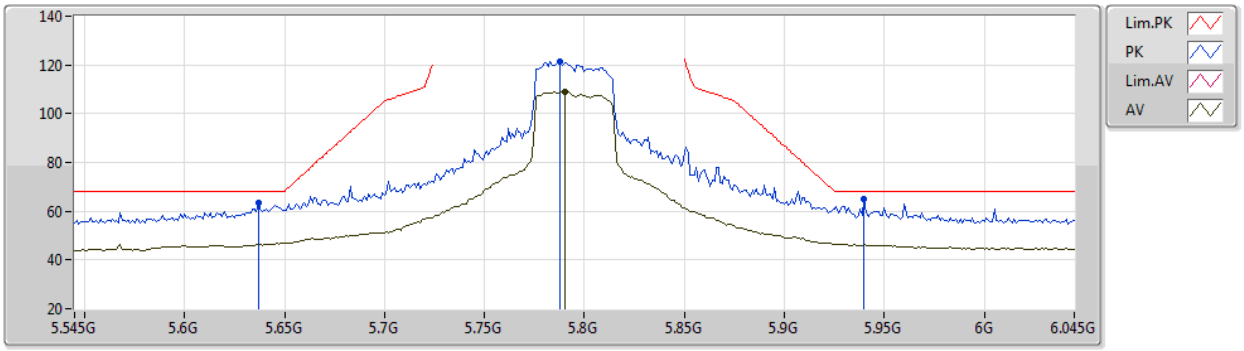
EUT Y_2TX
Setting 28
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.51624G	54.01	74.00	-19.99	39.06	3	Horizontal	73	1.63	-	40.25	7.63	32.93
AV	11.50376G	40.02	54.00	-13.98	25.03	3	Horizontal	73	1.63	-	40.29	7.63	32.93

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

21/04/2021

5795MHz_TX



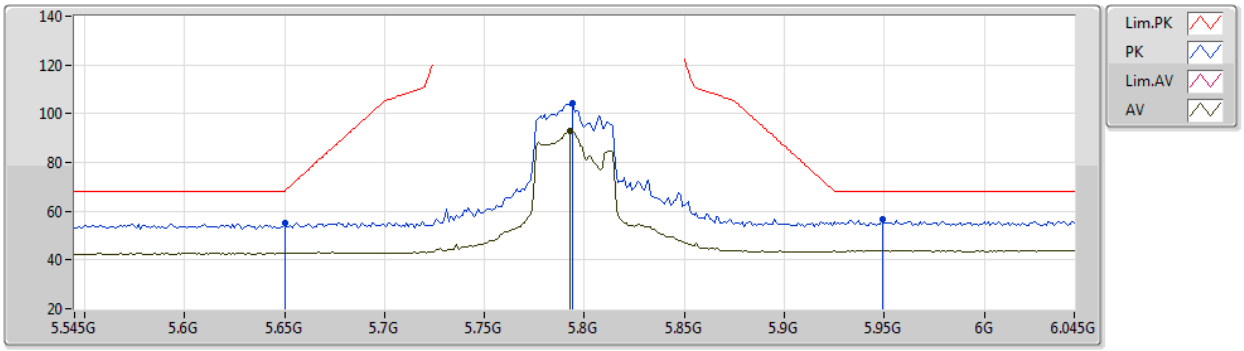
EUT Y_2TX
Setting 29
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.637G	63.23	68.20	-4.97	57.93	3	Vertical	155	1.96	-	31.60	5.16	31.46
PK	5.788G	121.49	Inf	-Inf	116.04	3	Vertical	155	1.96	-	31.90	5.01	31.46
AV	5.79G	108.97	Inf	-Inf	103.52	3	Vertical	155	1.96	-	31.90	5.01	31.46
PK	5.94G	64.92	68.20	-3.28	58.69	3	Vertical	155	1.96	-	32.26	5.42	31.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

21/04/2021



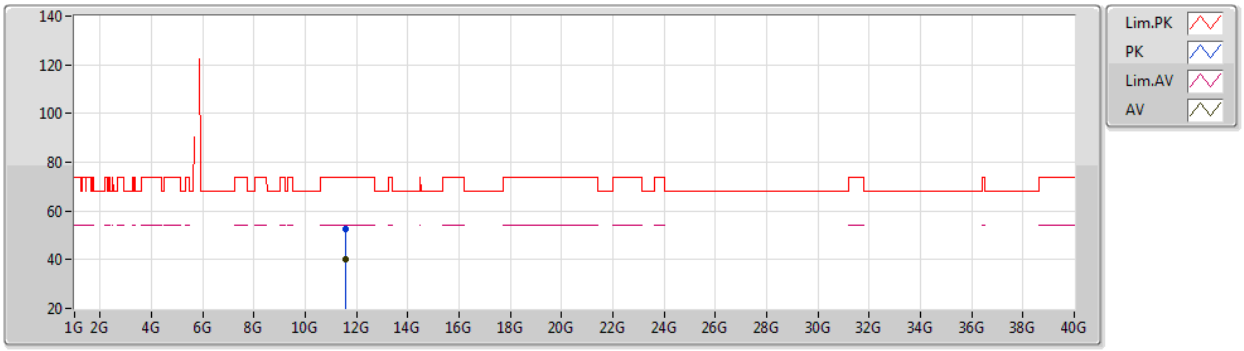
EUT Y_2TX
Setting 29
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.65G	55.42	68.20	-12.78	50.13	3	Horizontal	4	1.47	-	31.60	5.15	31.46
PK	5.794G	104.15	Inf	-Inf	98.70	3	Horizontal	4	1.47	-	31.90	5.01	31.46
AV	5.793G	93.06	Inf	-Inf	87.61	3	Horizontal	4	1.47	-	31.90	5.01	31.46
PK	5.949G	56.98	68.20	-11.22	50.68	3	Horizontal	4	1.47	-	32.30	5.45	31.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

21/04/2021



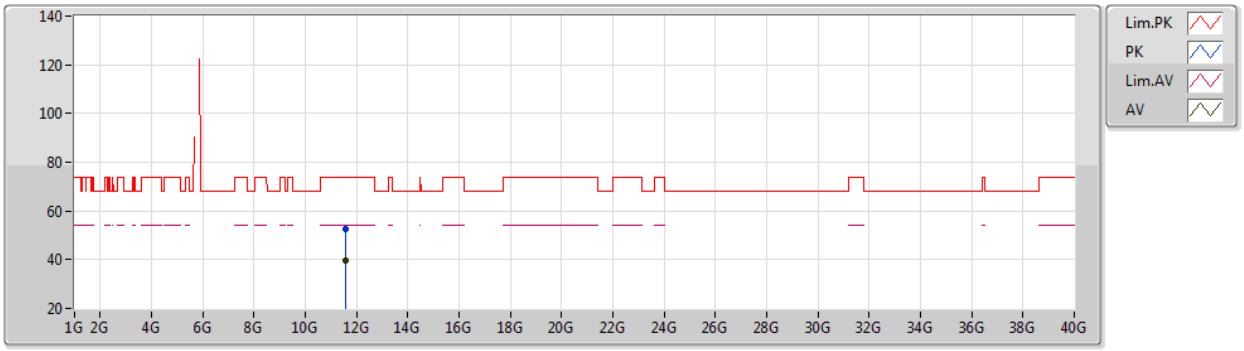
EUT Y_2TX
Setting 29
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.58172G	52.83	74.00	-21.17	38.06	3	Vertical	235	1.83	-	40.05	7.65	32.93
AV	11.59276G	40.00	54.00	-14.00	25.25	3	Vertical	235	1.83	-	40.02	7.66	32.93

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

21/04/2021

5795MHz_TX



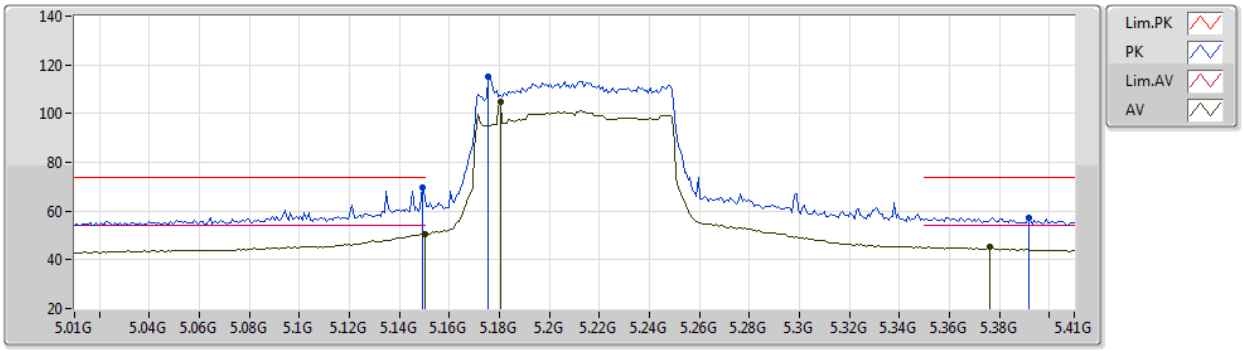
EUT Y_2TX
Setting 29
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5926G	52.78	74.00	-21.22	38.03	3	Horizontal	163	2.06	-	40.02	7.66	32.93
AV	11.58052G	39.85	54.00	-14.15	25.07	3	Horizontal	163	2.06	-	40.06	7.65	32.93

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

21/04/2021



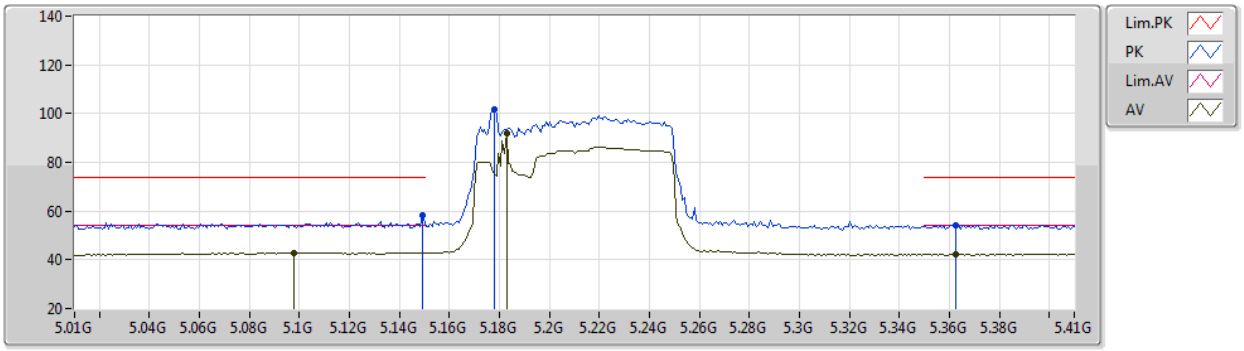
EUT Y_2TX
Setting 23
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	69.46	74.00	-4.54	64.39	3	Vertical	247	1.50	-	31.80	5.00	31.73
AV	5.15G	50.55	54.00	-3.45	45.48	3	Vertical	247	1.50	-	31.80	5.00	31.73
PK	5.1756G	115.20	Inf	-Inf	110.16	3	Vertical	247	1.50	-	31.70	5.05	31.71
AV	5.1804G	104.61	Inf	-Inf	99.58	3	Vertical	247	1.50	-	31.68	5.06	31.71
PK	5.3916G	57.35	74.00	-16.65	52.27	3	Vertical	247	1.50	-	31.63	5.00	31.55
AV	5.3764G	45.58	54.00	-8.42	40.62	3	Vertical	247	1.50	-	31.51	5.01	31.56

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

21/04/2021



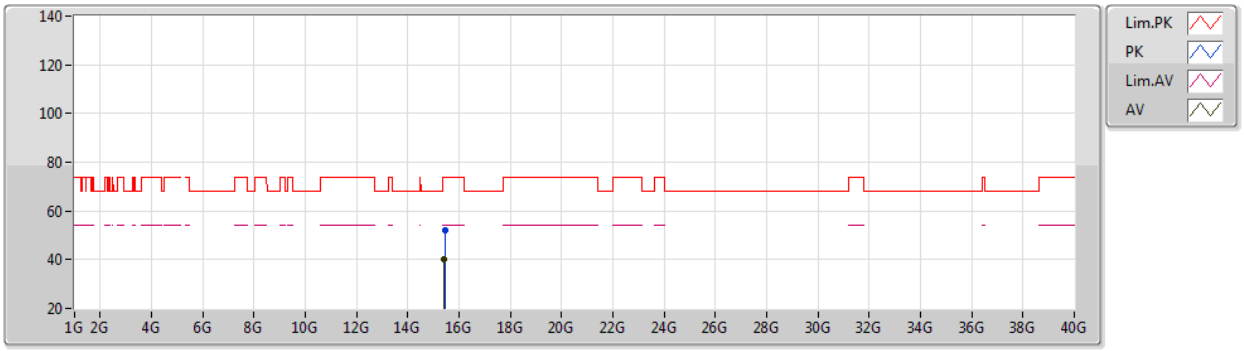
EUT Y_2TX
Setting 23
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	58.06	74.00	-15.94	52.99	3	Horizontal	136	1.65	-	31.80	5.00	31.73
AV	5.098G	42.94	54.00	-11.06	37.81	3	Horizontal	136	1.65	-	32.00	4.90	31.77
PK	5.178G	101.76	Inf	-Inf	96.72	3	Horizontal	136	1.65	-	31.69	5.06	31.71
AV	5.1828G	91.78	Inf	-Inf	86.74	3	Horizontal	136	1.65	-	31.67	5.07	31.70
PK	5.3628G	54.36	74.00	-19.64	49.51	3	Horizontal	136	1.65	-	31.40	5.02	31.57
AV	5.3628G	42.21	54.00	-11.79	37.36	3	Horizontal	136	1.65	-	31.40	5.02	31.57

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

21/04/2021



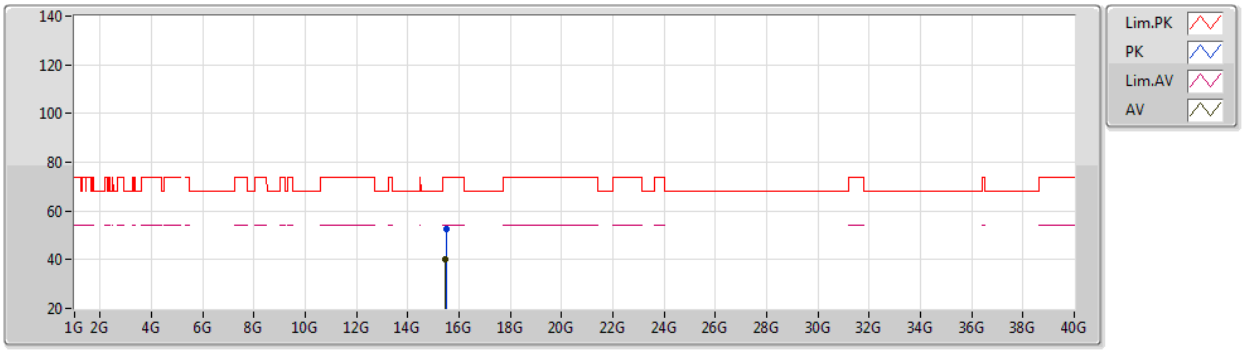
EUT Y_2TX
Setting 23
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.4724G	52.14	74.00	-21.86	37.69	3	Vertical	225	1.48	-	38.27	9.02	32.84
AV	15.434G	40.15	54.00	-13.85	25.49	3	Vertical	225	1.48	-	38.50	9.00	32.84

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

21/04/2021



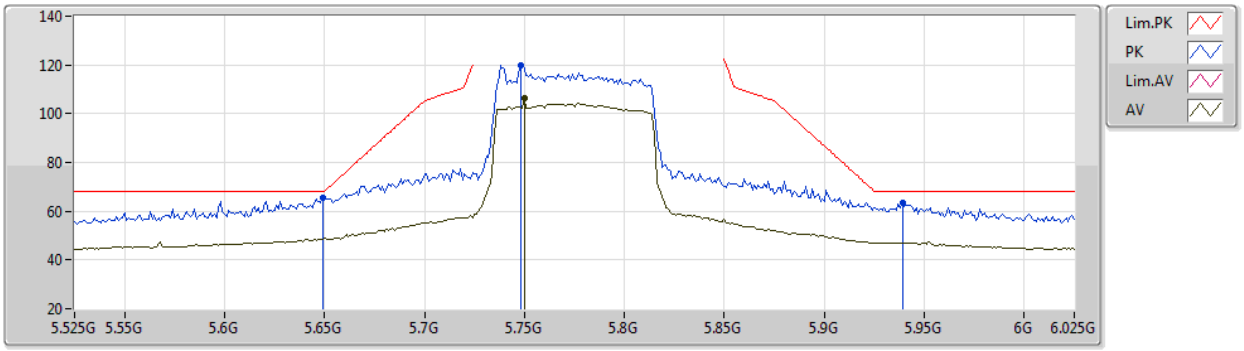
EUT Y_2TX
Setting 23
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.506G	52.34	74.00	-21.66	38.08	3	Horizontal	18	1.65	-	38.07	9.03	32.84
AV	15.438G	40.35	54.00	-13.65	25.72	3	Horizontal	18	1.65	-	38.47	9.00	32.84

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

21/04/2021



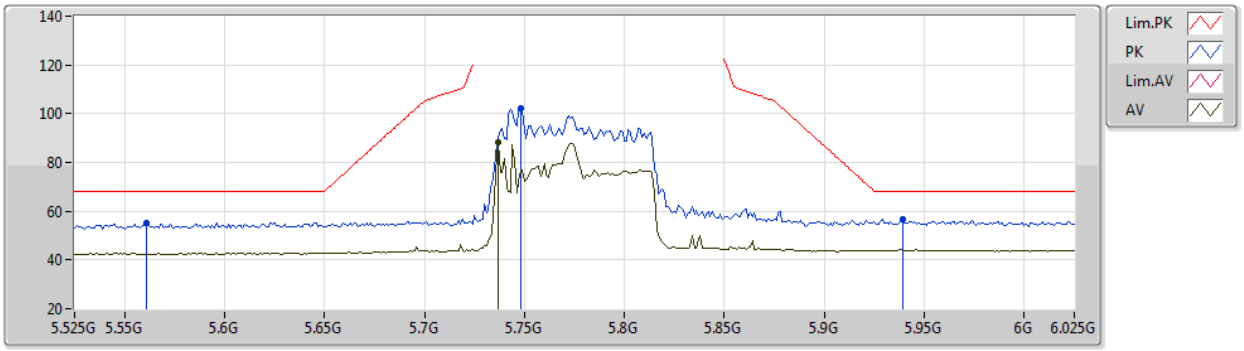
EUT Y_2TX
Setting 27
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.649G	65.49	68.20	-2.71	60.20	3	Vertical	156	1.76	-	31.60	5.15	31.46
PK	5.748G	119.74	Inf	-Inf	114.25	3	Vertical	156	1.76	-	31.90	5.05	31.46
AV	5.75G	106.41	Inf	-Inf	100.92	3	Vertical	156	1.76	-	31.90	5.05	31.46
PK	5.939G	63.44	68.20	-4.76	57.21	3	Vertical	156	1.76	-	32.26	5.42	31.45

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

21/04/2021



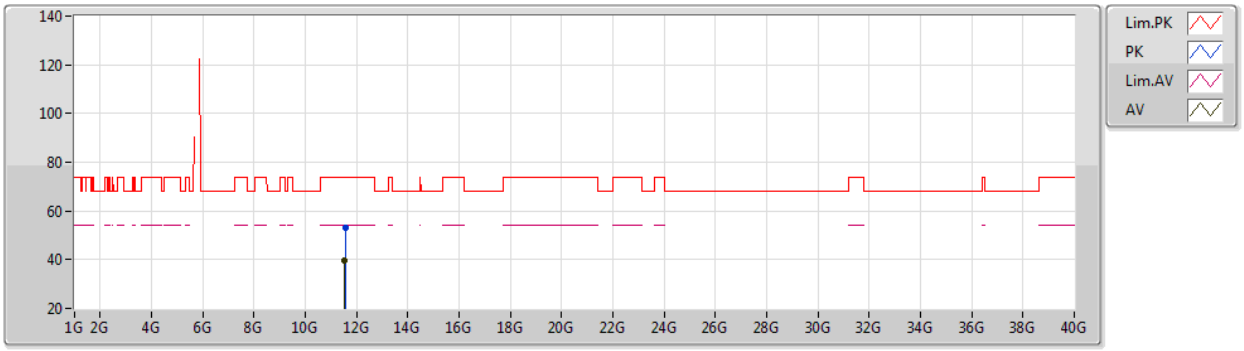
EUT Y_2TX
Setting 27
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.561G	55.20	68.20	-13.00	49.91	3	Horizontal	185	1.48	-	31.60	5.16	31.47
PK	5.748G	102.46	Inf	-Inf	96.97	3	Horizontal	185	1.48	-	31.90	5.05	31.46
AV	5.737G	88.13	Inf	-Inf	82.66	3	Horizontal	185	1.48	-	31.87	5.06	31.46
PK	5.939G	56.80	68.20	-11.40	50.57	3	Horizontal	185	1.48	-	32.26	5.42	31.45

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

21/04/2021



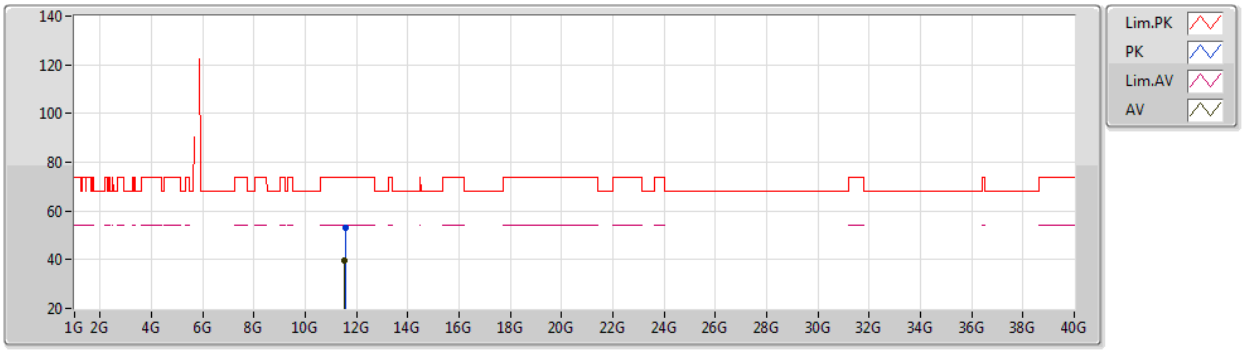
EUT Y_2TX
Setting 27
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5588G	53.33	74.00	-20.67	38.49	3	Vertical	286	1.98	-	40.12	7.65	32.93
AV	11.54448G	39.84	54.00	-14.16	24.96	3	Vertical	286	1.98	-	40.17	7.64	32.93

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

21/04/2021



EUT Y_2TX
Setting 27
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.55024G	52.91	74.00	-21.09	38.05	3	Horizontal	121	2.29	-	40.15	7.64	32.93
AV	11.5486G	39.76	54.00	-14.24	24.90	3	Horizontal	121	2.29	-	40.15	7.64	32.93