Testing Laboratory 1190

FCC RADIO TEST REPORT

FCC ID	:	2AWNEKDE20105
Equipment	:	Home Entertainment Hub
Brand Name	:	E1 by Ericsson
Model Name	:	KDE20105
Applicant	:	Ericsson AB 21-23 Torshamnsgatan Stockholm, 16480 Sweden
Manufacturer	:	CyberTAN Technology Inc. No. 99, Park Avenue III Science-based Industrial Park Hsinchu Taiwan 308
Standard	:	47 CFR FCC Part 15.407

The product was received on Jan. 14, 2021, and testing was started from Jan. 14, 2021 and completed on Feb. 18, 2021. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

Table of Contents

History of this test report **3**

Summary of Test Result **4**

1 General Description **5**

1.1 Information 5
1.2 Applicable Standards 10
1.3 Testing Location Information 10
1.4 Measurement Uncertainty 11

2 Test Configuration of EUT **12**

2.1 Test Channel Mode 12
2.2 The Worst Case Measurement Configuration 14
2.3 EUT Operation during Test 15
2.4 Accessories 16
2.5 Support Equipment 16
2.6 Test Setup Diagram 18

3 Transmitter Test Result **22**

3.1 AC Power-line Conducted Emissions 22
3.2 Emission Bandwidth 24
3.3 Maximum Conducted Output Power 25
3.4 Peak Power Spectral Density 27
3.5 Unwanted Emissions 30

4 Test Equipment and Calibration Data **34**

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

Appendix B. Test Results of Emission Bandwidth

Appendix C. Test Results of Maximum Conducted Output Power

Appendix D. Test Results of Peak Power Spectral Density

Appendix E. Test Results of Unwanted Emissions

Appendix F. Test Results of Radiated Emission Co-location

Appendix G. Test Photos

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR031609-03AB	01	Initial issue of report	Feb. 26, 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	-

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: Vicky 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)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11a-BF	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11n HT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11a-BF	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11n HT20-BF	20	2TX

5.25-5.35GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT20-BF	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11n HT40-BF	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT40-BF	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ac VHT80-BF	80	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a-BF	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11n HT20-BF	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20-BF	20	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11n HT40-BF	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40-BF	40	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a-BF	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX

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

1.1.2 Antenna Information

For WLAN 2.4GHz / WLAN 5GHz / Bluetooth / Zigbee function:

Ant.	Port		Brand	Model Name	Type	Connector	Gain (dBi)		
	WLAN 2.4GHz	WLAN 5GHz B1,B2					WLAN 2.4GHz	WLAN 5GHz B1	WLAN 5GHz B2
1	1	1	Airgain	N2420DSRP	PCB	I-PEX	1.7	3.5	3.4
2	2	2	Airgain	N2420DSRL	PCB	I-PEX	2.0	3.6	3.7
Ant.	Port		Brand	Model Name	Type	Connector	Gain (dBi)		
	WLAN 5GHz B3,B4	Zigbee					WLAN 5GHz B3	WLAN 5GHz B4	Zigbee
3	1	1	Airgain	N2420DSRK	PCB	I-PEX	4.1	4.1	1.8
Ant.	Port		Brand	Model Name	Type	Connector	Gain (dBi)		
	WLAN 5GHz B3,B4	BT					WLAN 5GHz B3	WLAN 5GHz B4	BT
4	2	1	Airgain	N2420DSRK	PCB	I-PEX	4.7	3.9	1.5

Note1: B1 means band 1, B2 means band 2, B3 means band 3, B4 means band 4 and BT means Bluetooth.
Note2: The above information was declared by manufacturer.
Note3: For WLAN 2.4GHz function (2TX/2RX):
The WLAN 2.4GHz supports the b, g, n, VHT.
Port 1 and Port 2 could transmit/receive simultaneously.
Note4: For WLAN 5GHz Band 1, Band 2 function (2TX/2RX):
The WLAN 5GHz Band 1, Band 2 supports the a, n, ac.
Port 1 and Port 2 could transmit/receive simultaneously.
Note5: For WLAN 5GHz Band 3, Band 4 function (2TX/2RX):
The WLAN 5GHz Band 3, Band 4 supports the a, n, ac.
Port 1 and Port 2 could transmit/receive simultaneously.
Note6: For Zigbee function (1TX/1RX):
Only Port 1 can be used as transmitting/receiving.
Note7: For Bluetooth function (1TX/1RX):
Only Port 1 can be used as transmitting/receiving.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a-BF	0.903	0.44	2.085m	1k
802.11ac VHT20-BF	0.873	0.59	1.759m	1k
802.11ac VHT40-BF	0.873	0.59	1.694m	1k
802.11ac VHT80-BF	0.88	0.56	1.95m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for g/n/VHT in 2.4GHz and a/n/ac in 5GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	For Non-beamforming mode: QSPR(Version 5.0-00188) For beamforming mode: DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for WWAN Module Information

The EUT was installed certified WWAN module, the WWAN module information and its correspond model name as below table:

WWAN Module	Brand Name	Model Name	FCC ID	Bands
1	Sierra	EM9190	N7NEM91	4G Band (LTE): 2,4,5,7,12,13,14,17,25,26,30,38,41,42,48,66,71 5G Band (NR): n2,n5,n41,n66,n71 5G Band (EN-DC): EN-DC_5A_n2A,EN-DC_12A_n2A,EN-DC_2A_n5A,EN-DC_7A_n5A,EN-DC_30A_n5A,EN-DC_66A_n5A,EN-DC_2A_n41A,EN-DC_66A_n41A,EN-DC_5A_n66A,EN-DC_12A_n66A,EN-DC_13A_n66A,EN-DC_2A_n71A,EN-DC_7A_n71A,EN-DC_66A_n71A
2	Sierra	EM9191	N7NEM91	

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Supports Functions

Function	Support Type
AP	Master
Mesh	Master

Note: After evaluating, the “AP Mode” have been selected to test and recorded in the test report.

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			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.)
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Li	21.2-23.2℃ / 54-57	Jan. 27, 2021~ Feb. 04, 2021
Radiated (Co-Location)	03CH05-CB	Kevin Huang	22.6-23.6 / 54-57	Feb. 03, 2021
Radiated (Below 1GHz)	03CH03-CB	Kevin Huang	21.5-22.9 / 55-57	Feb. 06, 2021
Radiated (Above 1GHz-5G Band 1,2)	03CH02-CB	Kevin Huang	21.5-22.5 / 54-57	Jan. 14, 2021~ Feb. 03, 2021
Radiated (Above 1GHz-5G Band 3, 4)	03CH01-CB	Kevin Huang	20.4-21.4 / 55-57	Jan. 14, 2021~ Feb. 03, 2021
AC Conduction	CO01-CB	Ryo Fan	18~19 / 61~62	Jan. 21, 2021~ Feb. 18, 2021

Test site Designation No. TW0006 with FCC
Test site registered number IC 4086D with Industry Canada.

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-BF_Nss1,(6Mbps)_2TX	-
5180MHz	21.5
5200MHz	26
5240MHz	23.5
5260MHz	20
5300MHz	19
5320MHz	19.5
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	21.5
5200MHz	26
5240MHz	23
5260MHz	20
5300MHz	19.5
5320MHz	19.5
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	19
5230MHz	24
5270MHz	24
5310MHz	18
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	19
5290MHz	17
802.11a-BF_Nss1,(6Mbps)_2TX	-
5500MHz	18.5
5580MHz	18.5
5700MHz	18.5
5745MHz	25.5
5785MHz	25.5
5825MHz	25.5
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5500MHz	19
5580MHz	19
5700MHz	19
5745MHz	25.5
5785MHz	25.5
5825MHz	25.5

Mode	Power Setting
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5510MHz	18
5550MHz	18
5670MHz	18
5755MHz	24.5
5795MHz	24.5
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5530MHz	17.5
5610MHz	18.5
5775MHz	22.5

Note:

- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for g/n/VHT in 2.4GHz and a/n/ac in 5GHz, 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	Normal link-EUT with WWAN module 1-LTE link Band 2 + Adapter with US cable
2	Normal link-EUT with WWAN module 1-5G EN-DC_2A_n41A + Adapter with US cable
Mode 1 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	Normal link-EUT with WWAN module 2-LTE link Band 2 + Adapter with US cable
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum 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	WLAN 2.4GHz + Adapter with US cable
2	WLAN 5GHz Band 1, 2 + Adapter with US cable
3	WLAN 5GHz Band 3, 4 + Adapter with US cable
4	Bluetooth + Adapter with US cable
5	Zigbee + Adapter with US cable
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The Operating Mode of Radiated Emission Co-location as below: 1. WLAN 2.4GHz + WLAN 5GHz Band 1, 2 2. WLAN 5GHz Band 3, 4 + Bluetooth + Zigbee After evaluating, the full function generated the worst case, thus the measurement will follow this same test configuration.	
1	WLAN 2.4GHz + WLAN 5GHz Band 1, 2 + WLAN 5GHz Band 3, 4 + Bluetooth + Zigbee
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz Band 1, 2 + WLAN 5GHz Band 3, 4 + Bluetooth + Zigbee + 4G LTE
2	WLAN 2.4GHz + WLAN 5GHz Band 1, 2 + WLAN 5GHz Band 3, 4 + Bluetooth + Zigbee + 5G NR
Refer to Sporton Test Report No.: FA031609-03 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used Z axis.

2.3 EUT Operation during Test

For CTX Mode:
non-beamforming mode:
The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:
The EUT was programmed to be in continuously transmitting mode.
For Radiated Mode:
During the test, the following programs under WIN 10 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 DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	**Brand Name**	**Model Name**	**Rating**	**DC Power cable length**
Adapter	FSP	FSP100-A1AR3	INPUT: 100-240V~50-60Hz, 1.4A OUTPUT: 5V, 3A / 9V, 3A 12V, 3A / 15V, 3A 20V, 5.0A 100W MAX.	Non-Shielded 1.6m
Others				
HDMI cable*1: Shielded, 1.5m				
USB-C to USB-A cable*1: Shielded, 0.1m				
Power cable*1: Non-shielded, 1m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	TV	ASUS	VP28U	N/A
B	Micro SD Card	Transcend	TS16GUSDHC10	N/A
C	SIM Card	N/A	N/A	N/A
D	LAN NB	DELL	E6430	N/A
E	WAN NB	DELL	E6430	N/A
F	2.4G NB	DELL	E6430	N/A
G	5G-1 NB	DELL	E6430	N/A
H	5G-2 NB	DELL	E6430	N/A
I	Bluetooth Speaker	MARUS	MSK06C-RD	N/A
J	Zigbee Device	N/A	N/A	N/A
K	LTE+5G NR Base station	Anritsu	MT8821C	N/A
L	Air Mouse	HENGCHUANGYU	HCY-57B	2AOBUHCY-57B

For Radiated (below 1GHz):

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

For Radiated (above 1GHz):
For non-beamforming mode:

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

For beamforming mode:

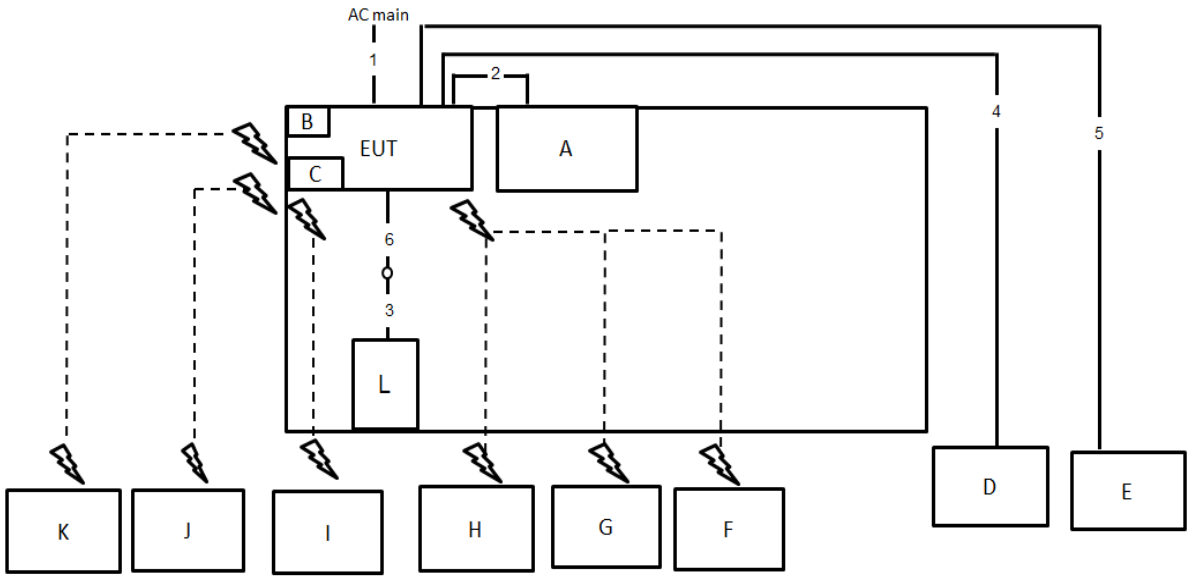
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
F	Client	LINKSYS	EA8300	N/A
G	NB	DELL	E4300	N/A
H	NB	DELL	E4300	N/A

For RF Conducted:

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

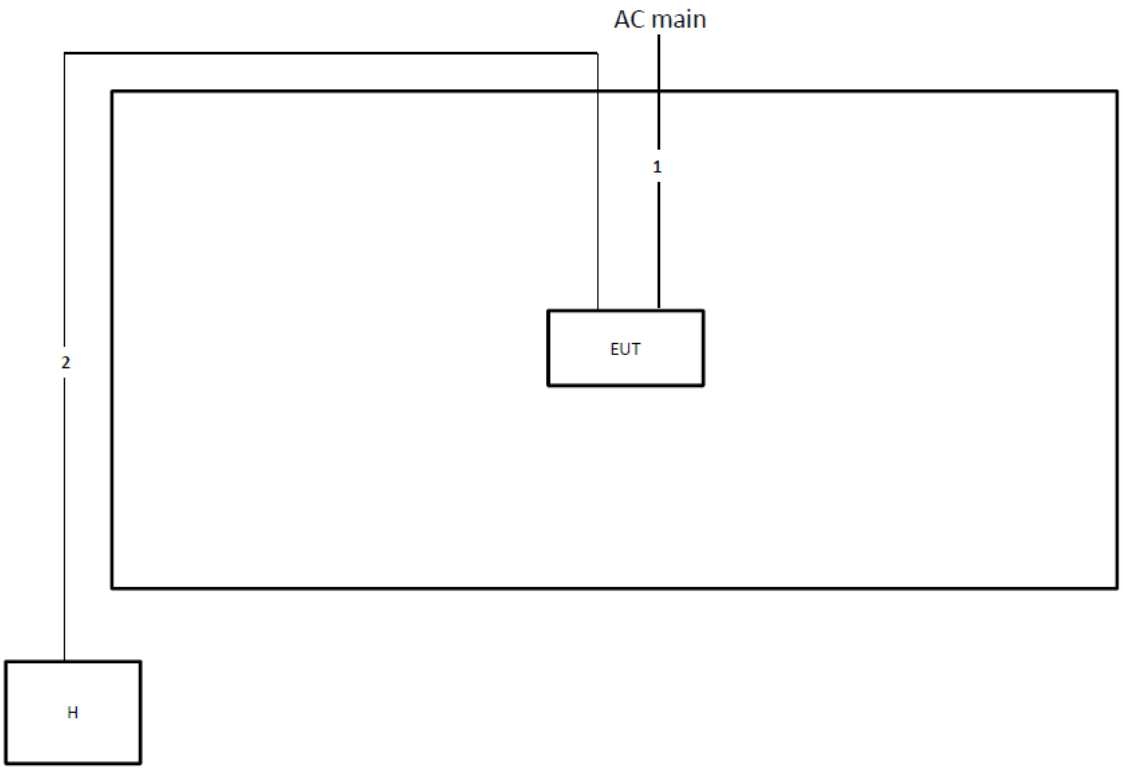
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	HDMI cable	Yes	1.5m
3	USB Cable	Yes	0.9m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m
6	USB-C to USB-A cable	Yes	0.1m

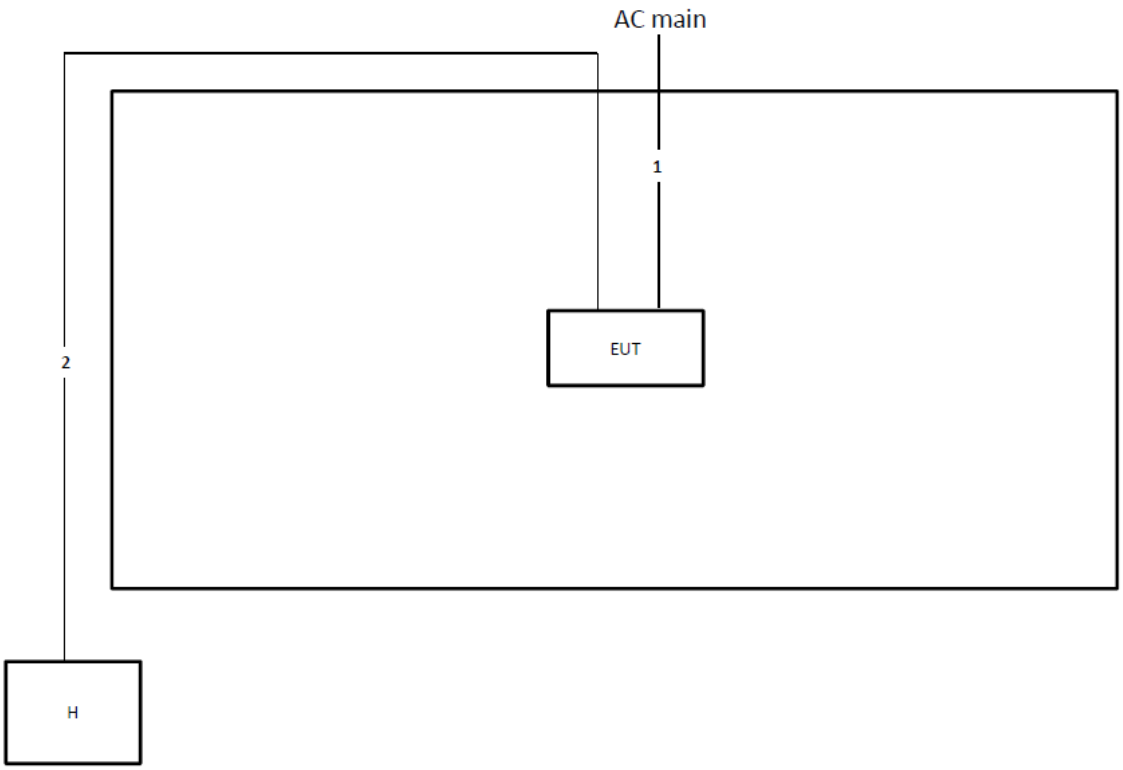
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	RJ-45 cable	No	10m

For non-beamforming mode:

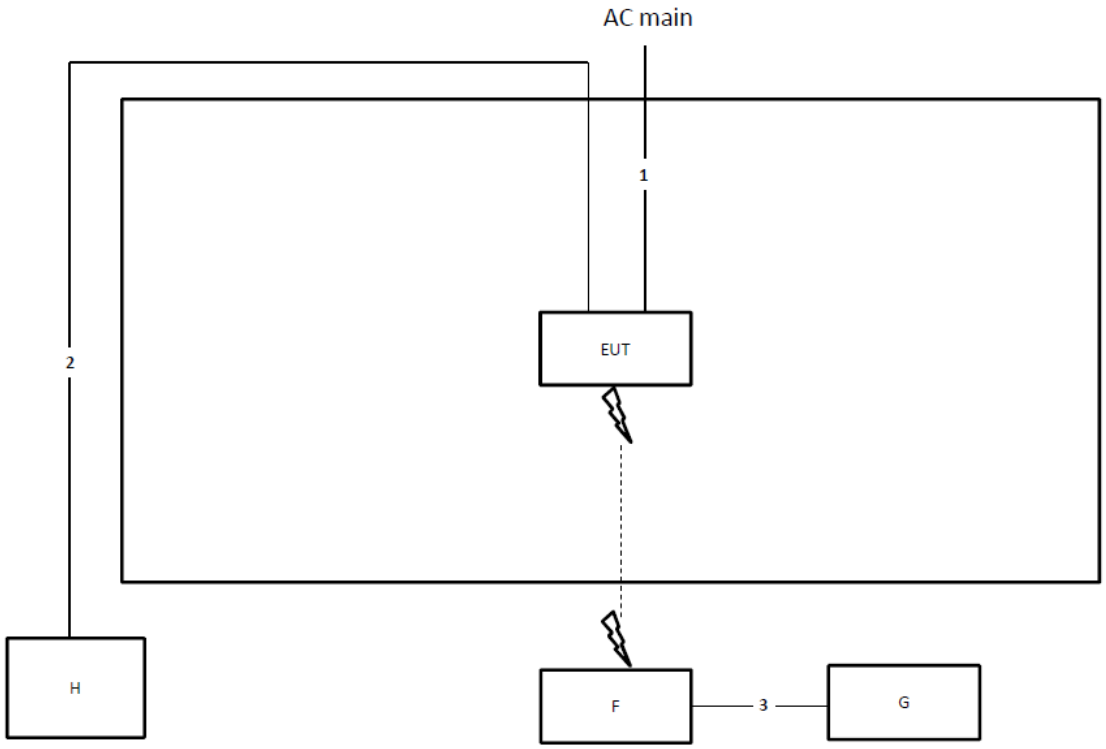
Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	RJ-45 cable	No	10m

For beamforming mode:

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	RJ-45 cable	No	10m
3	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

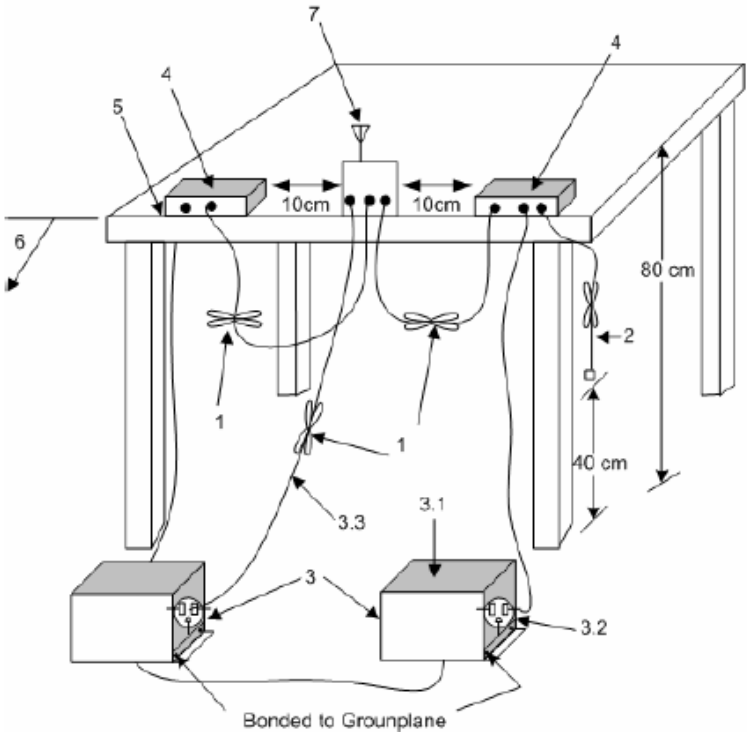
Refer a test equipment and calibration data table in this test report.

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.

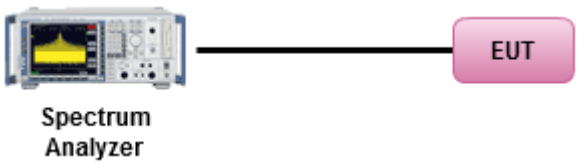
3.2.2 Measuring Instruments

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.	

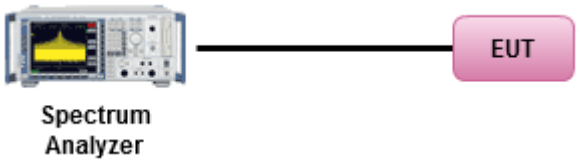
3.4.2 Measuring Instruments

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.

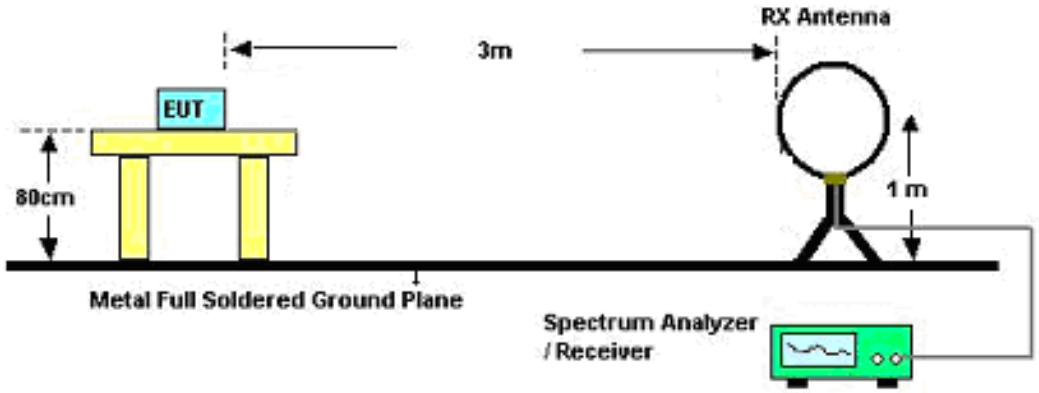
3.5.3 Test Procedures

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.			

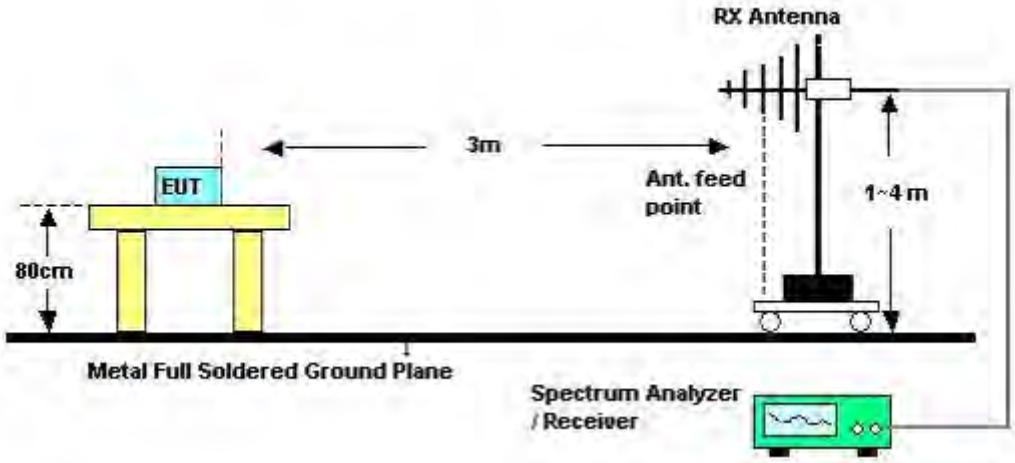
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

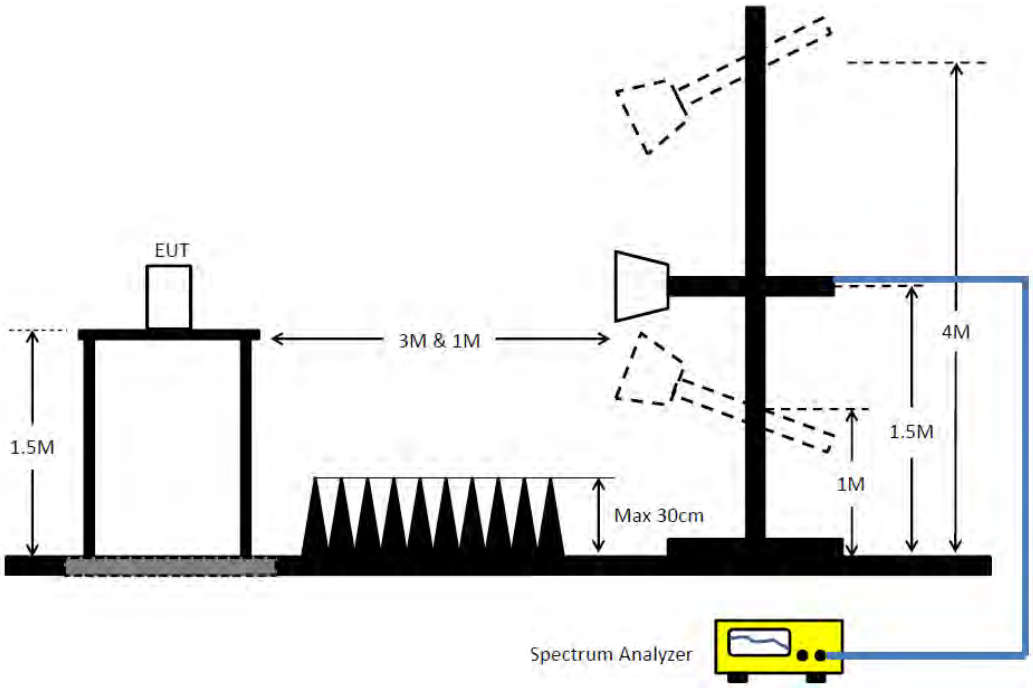
9kHz ~30MHz



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
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 27, 2021	Jan. 26, 2022	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 28, 2020	Feb. 27, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 11, 2021	Jan. 10, 2022	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 08, 2020	Nov. 07, 2021	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Sep. 05, 2020	Sep. 04, 2021	Radiation (03CH05-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 03, 2020	Jul. 02, 2021	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 29, 2020	May 28, 2021	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2020	Nov. 05, 2021	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 07, 2021	Jan. 06, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 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-H G	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)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

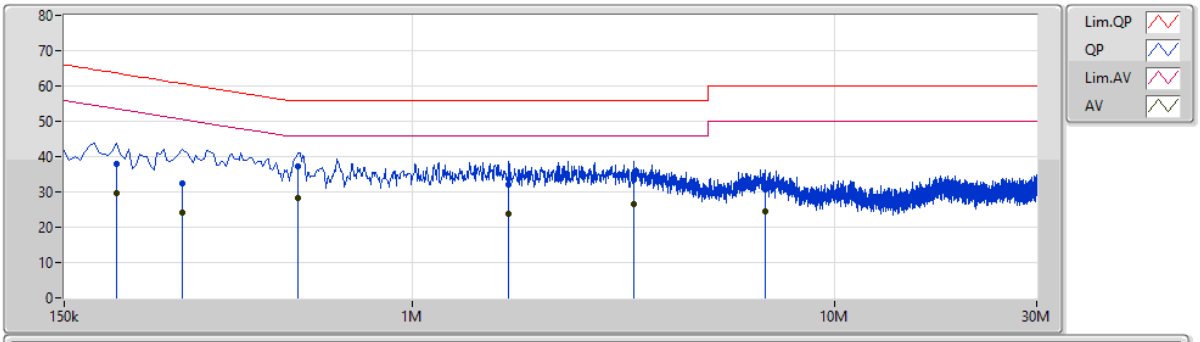
NCR means Non-Calibration required.

Summary

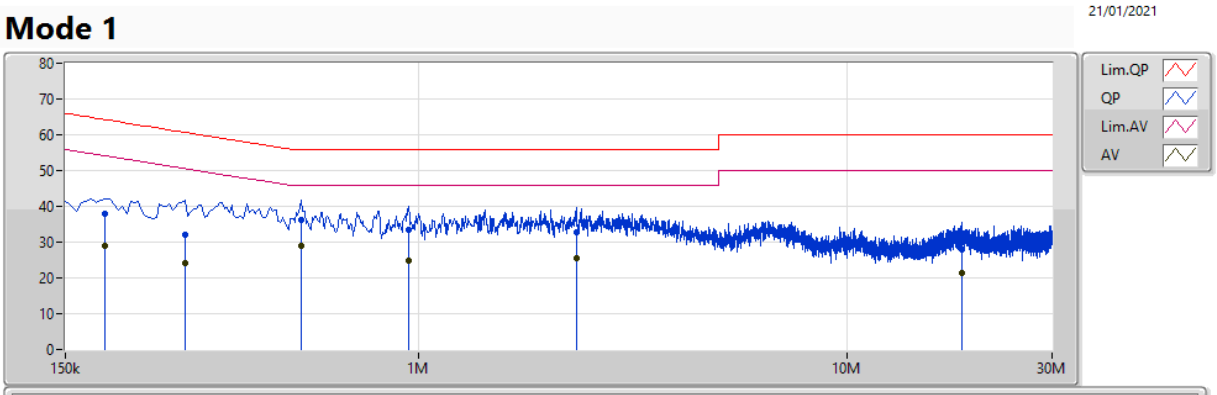
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	532.5k	28.85	46.00	-17.15	Neutral

Mode 1

21/01/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	199.5k	37.89	63.63	-25.74	9.89	Line	-	28.00	0.04	0.03	9.82
AV	199.5k	29.67	53.63	-23.96	9.89	Line	-	19.78	0.04	0.03	9.82
QP	285k	32.47	60.67	-28.20	9.90	Line	-	22.57	0.04	0.03	9.83
AV	285k	24.10	50.67	-26.57	9.90	Line	-	14.20	0.04	0.03	9.83
QP	537k	37.29	56.00	-18.71	9.90	Line	-	27.39	0.04	0.03	9.83
AV	537k	28.26	46.00	-17.74	9.90	Line	"Worst"	18.36	0.04	0.03	9.83
QP	1.689M	32.08	56.00	-23.92	9.97	Line	-	22.11	0.06	0.06	9.85
AV	1.689M	23.72	46.00	-22.28	9.97	Line	-	13.75	0.06	0.06	9.85
QP	3.336M	33.32	56.00	-22.68	10.04	Line	-	23.28	0.08	0.11	9.85
AV	3.336M	26.70	46.00	-19.30	10.04	Line	-	16.66	0.08	0.11	9.85
QP	6.842M	30.75	60.00	-29.25	10.16	Line	-	20.59	0.14	0.14	9.88
AV	6.842M	24.39	50.00	-25.61	10.16	Line	-	14.23	0.14	0.14	9.88



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	186k	37.94	64.20	-26.26	9.89	Neutral	-	28.05	0.04	0.03	9.82
AV	186k	29.03	54.20	-25.17	9.89	Neutral	-	19.14	0.04	0.03	9.82
QP	285k	32.23	60.67	-28.44	9.90	Neutral	-	22.33	0.04	0.03	9.83
AV	285k	23.98	50.67	-26.69	9.90	Neutral	-	14.08	0.04	0.03	9.83
QP	532.5k	36.09	56.00	-19.91	9.91	Neutral	-	26.18	0.05	0.03	9.83
AV	532.5k	28.85	46.00	-17.15	9.91	Neutral	"Worst"	18.94	0.05	0.03	9.83
QP	946.5k	33.47	56.00	-22.53	9.93	Neutral	-	23.54	0.06	0.04	9.83
AV	946.5k	24.97	46.00	-21.03	9.93	Neutral	-	15.04	0.06	0.04	9.83
QP	2.328M	32.85	56.00	-23.15	10.01	Neutral	-	22.84	0.07	0.08	9.86
AV	2.328M	25.39	46.00	-20.61	10.01	Neutral	-	15.38	0.07	0.08	9.86
QP	18.434M	27.94	60.00	-32.06	10.48	Neutral	-	17.46	0.21	0.30	9.97
AV	18.434M	21.28	50.00	-28.72	10.48	Neutral	-	10.80	0.21	0.30	9.97

For 5GHz Band 1 and Band 2:
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a-BF_Nss1,(6Mbps)_2TX	41.85M	26.147M	26M1D1D	23.67M	16.522M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	43.44M	27.316M	27M3D1D	22.08M	17.751M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	82.26M	42.519M	42M5D1D	38.94M	36.162M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	81.36M	75.682M	75M7D1D	80.64M	75.562M
5.25-5.35GHz	-	-	-	-	-
802.11a-BF_Nss1,(6Mbps)_2TX	27.21M	16.612M	16M6D1D	19.47M	16.372M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	25.89M	17.811M	17M8D1D	20.13M	17.601M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	43.86M	36.222M	36M2D1D	38.82M	35.922M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	81.36M	76.162M	76M2D1D	81.12M	75.682M

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

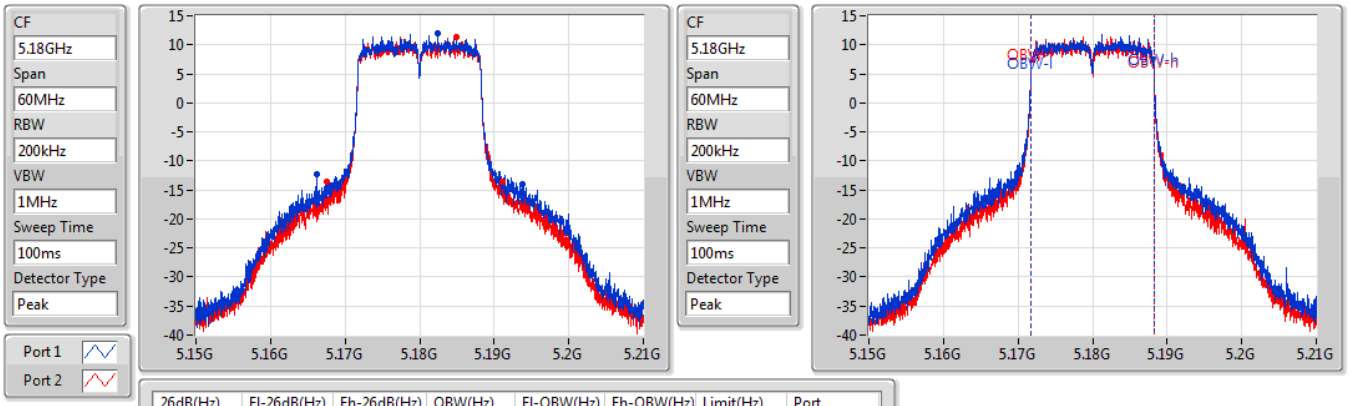
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	27.51M	16.612M	23.67M	16.522M
5200MHz	Pass	Inf	41.85M	26.147M	41.37M	24.768M
5240MHz	Pass	Inf	35.91M	20.09M	35.46M	19.37M
5260MHz	Pass	Inf	27.21M	16.612M	24.63M	16.522M
5300MHz	Pass	Inf	19.47M	16.432M	19.71M	16.372M
5320MHz	Pass	Inf	19.77M	16.402M	19.47M	16.402M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	27.75M	17.781M	22.08M	17.751M
5200MHz	Pass	Inf	43.44M	27.316M	41.22M	25.367M
5240MHz	Pass	Inf	35.73M	19.4M	36.24M	19.01M
5260MHz	Pass	Inf	25.89M	17.811M	22.02M	17.751M
5300MHz	Pass	Inf	20.28M	17.811M	20.13M	17.601M
5320MHz	Pass	Inf	20.37M	17.631M	20.19M	17.631M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.3M	36.162M	38.94M	36.162M
5230MHz	Pass	Inf	82.26M	42.519M	73.5M	40.54M
5270MHz	Pass	Inf	43.26M	36.162M	43.86M	36.222M
5310MHz	Pass	Inf	39.54M	35.922M	38.82M	35.982M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.36M	75.562M	80.64M	75.682M
5290MHz	Pass	Inf	81.36M	75.682M	81.12M	76.162M

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-BF_Nss1,(6Mbps)_2TX EBW

5180MHz

27/01/2021

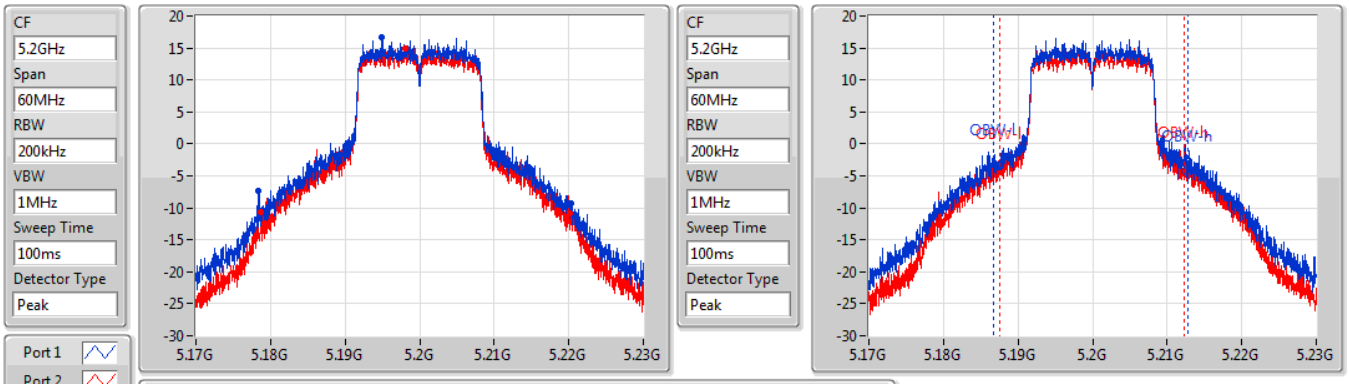


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.51M	5.16623G	5.19374G	16.612M	5.171664G	5.188276G	Inf	1
23.67M	5.16749G	5.19116G	16.522M	5.171724G	5.188246G	Inf	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5200MHz

27/01/2021

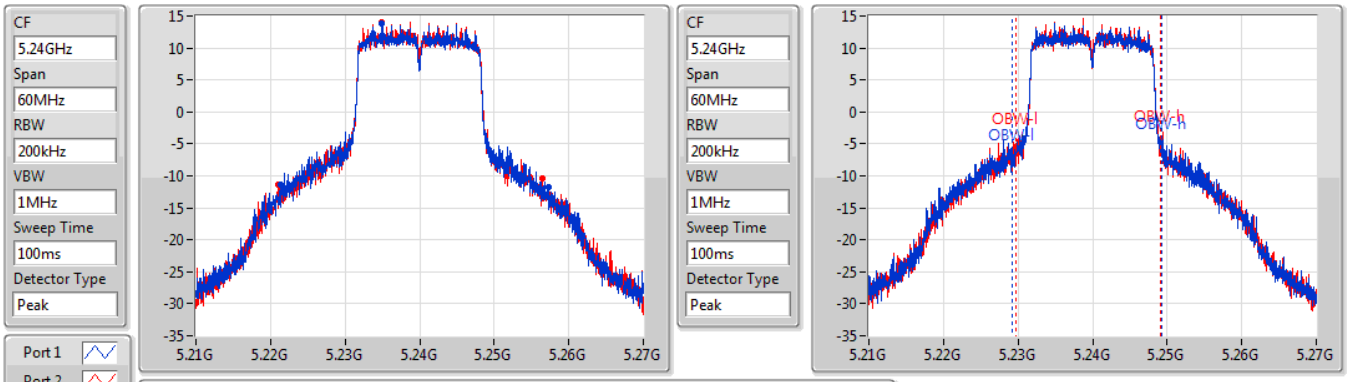


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.85M	5.1784G	5.22025G	26.147M	5.186687G	5.212834G	Inf	1
41.37M	5.1787G	5.22007G	24.768M	5.187496G	5.212264G	Inf	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5240MHz

27/01/2021

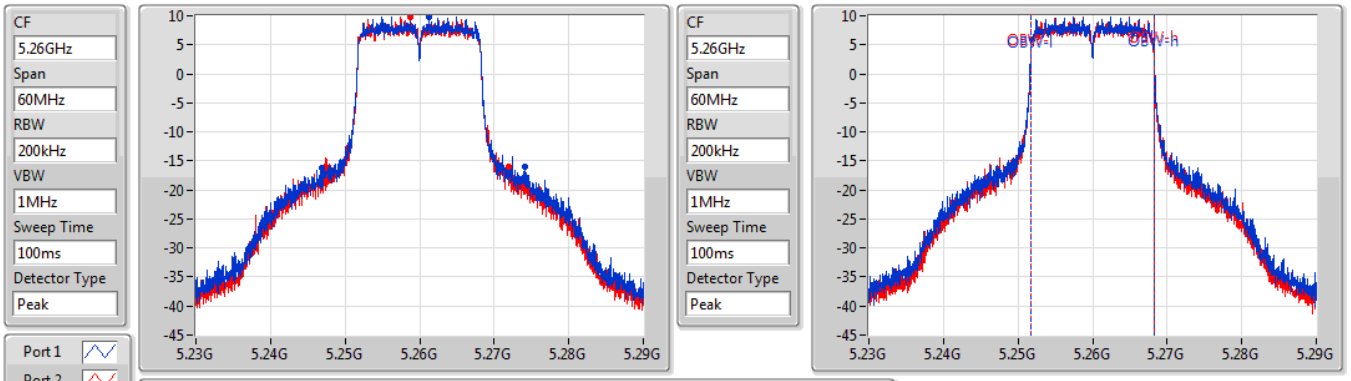


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.91M	5.22134G	5.25725G	20.09M	5.229235G	5.249325G	Inf	1
35.46M	5.22104G	5.2565G	19.37M	5.229685G	5.249055G	Inf	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5260MHz

27/01/2021

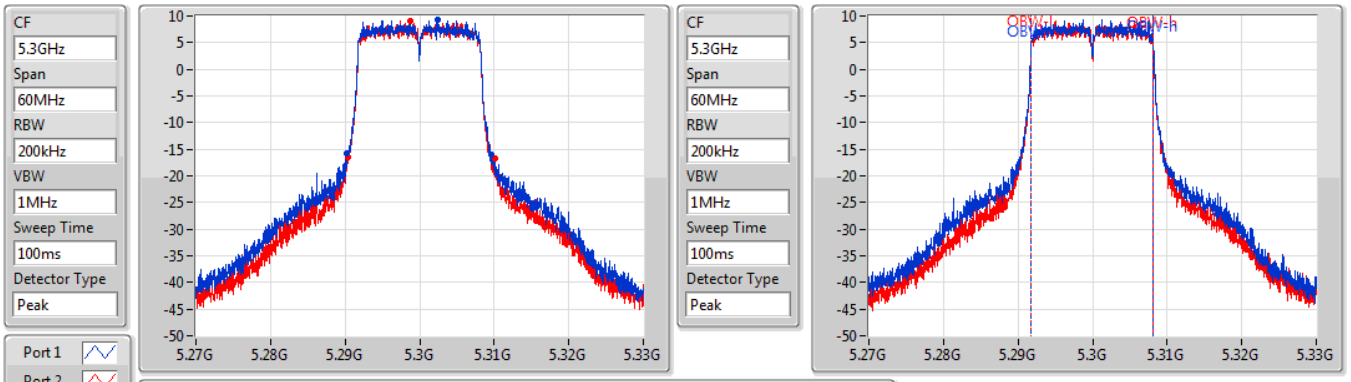


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.21M	5.24683G	5.27404G	16.612M	5.251664G	5.268276G	Inf	1
24.63M	5.24731G	5.27194G	16.522M	5.251694G	5.268216G	Inf	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5300MHz

27/01/2021

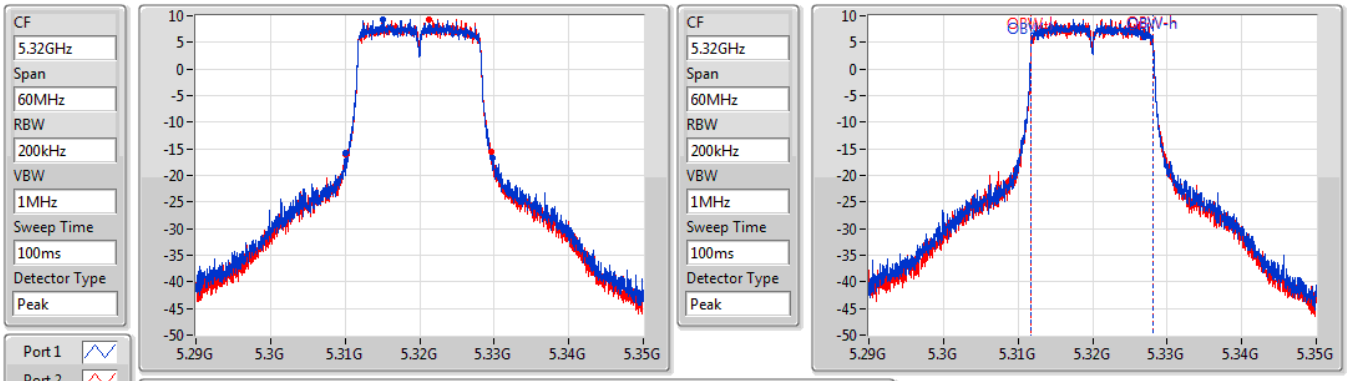


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.47M	5.29016G	5.30963G	16.432M	5.291754G	5.308186G	Inf	1
19.71M	5.29034G	5.31005G	16.372M	5.291784G	5.308156G	Inf	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5320MHz

27/01/2021

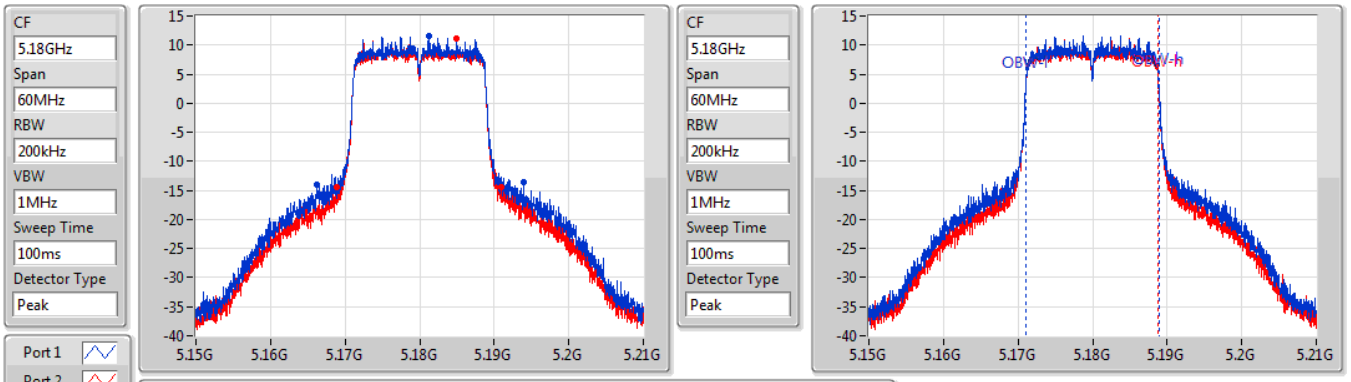


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.77M	5.31001G	5.32978G	16.402M	5.311754G	5.328156G	Inf	1
19.47M	5.3101G	5.32957G	16.402M	5.311754G	5.328156G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5180MHz

27/01/2021

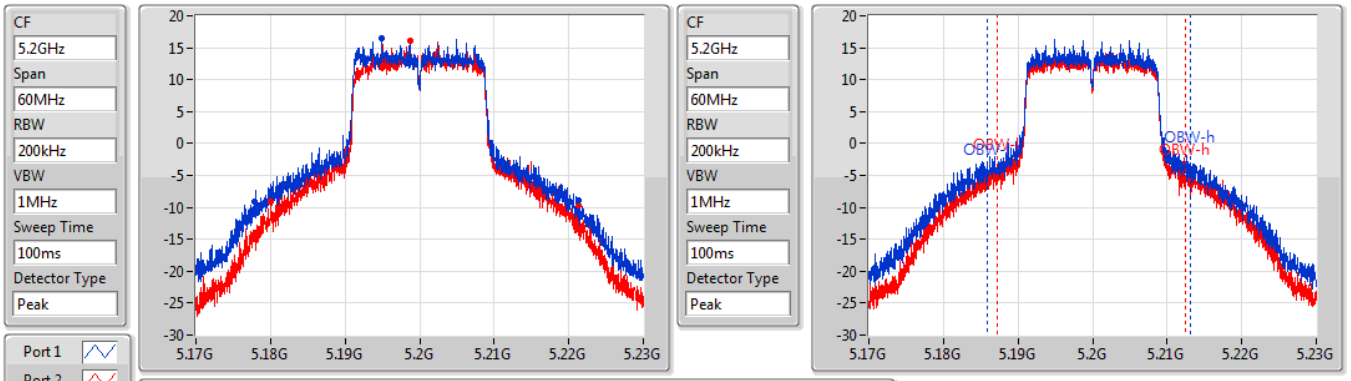


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.75M	5.16617G	5.19392G	17.781M	5.171094G	5.188876G	Inf	1
22.08M	5.16884G	5.19092G	17.751M	5.171094G	5.188846G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5200MHz

27/01/2021

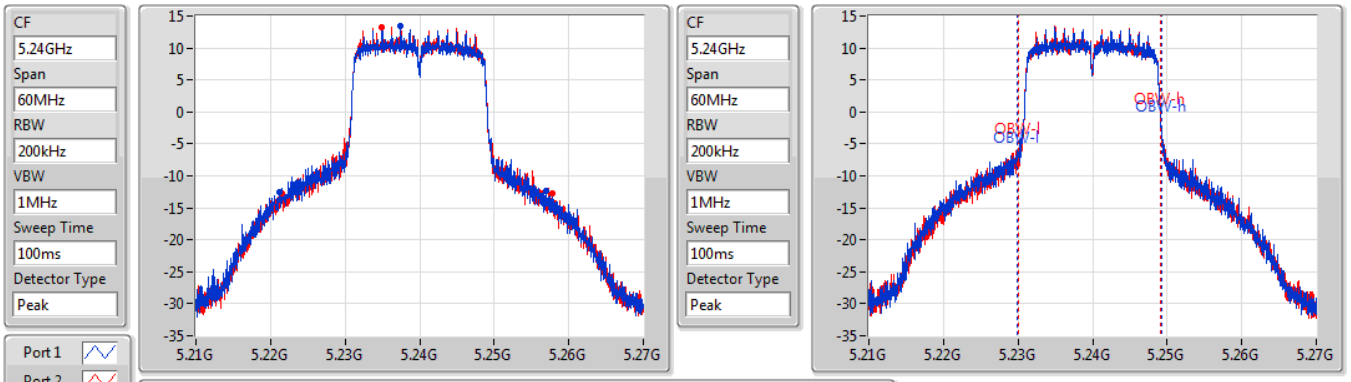


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.44M	5.17786G	5.2213G	27.316M	5.185847G	5.213163G	Inf	1
41.22M	5.18008G	5.2213G	25.367M	5.187136G	5.212504G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5240MHz

27/01/2021

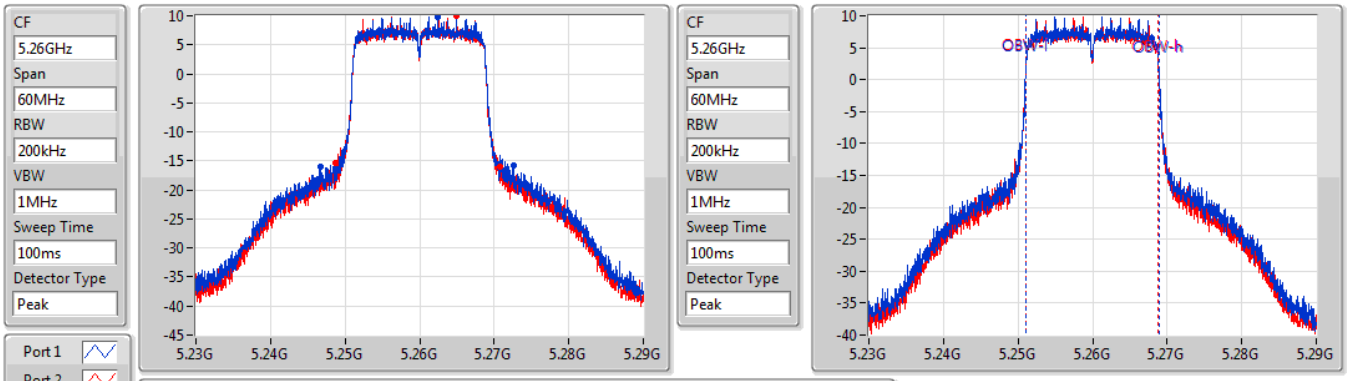


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.73M	5.22128G	5.25701G	19.4M	5.229805G	5.249205G	Inf	1
36.24M	5.22158G	5.25782G	19.01M	5.230135G	5.249145G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5260MHz

27/01/2021

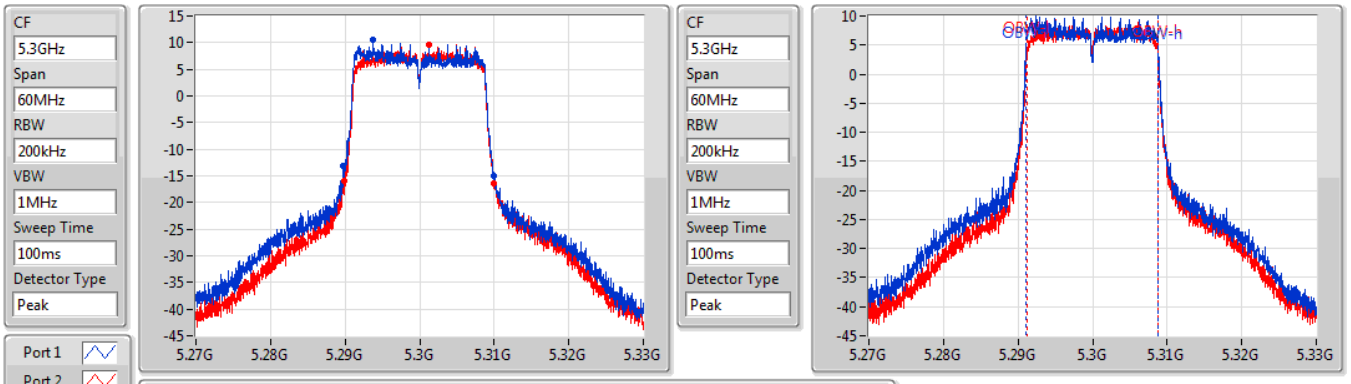


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.89M	5.24665G	5.27254G	17.811M	5.251064G	5.268876G	Inf	1
22.02M	5.24872G	5.27074G	17.751M	5.251094G	5.268846G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5300MHz

27/01/2021

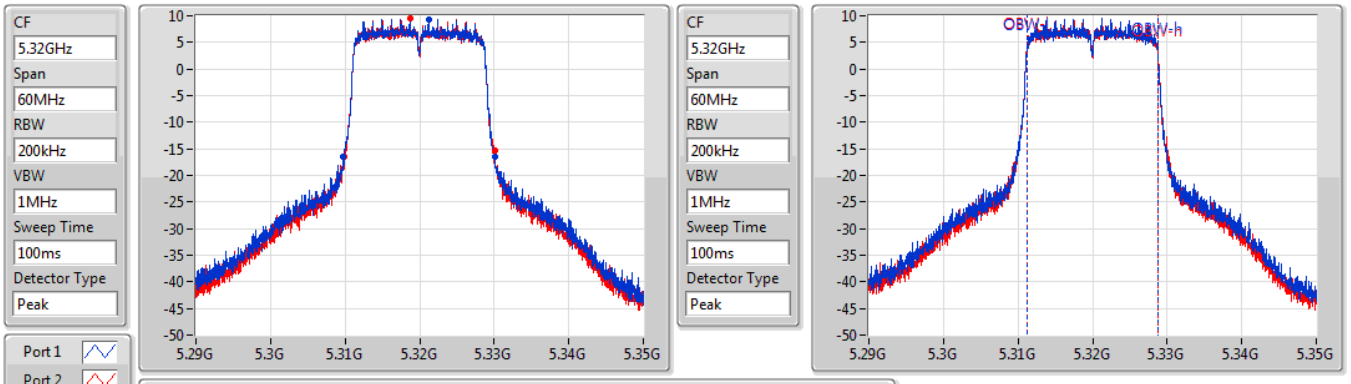


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.28M	5.28971G	5.30999G	17.811M	5.291034G	5.308846G	Inf	1
20.13M	5.28989G	5.31002G	17.601M	5.291184G	5.308786G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5320MHz

27/01/2021

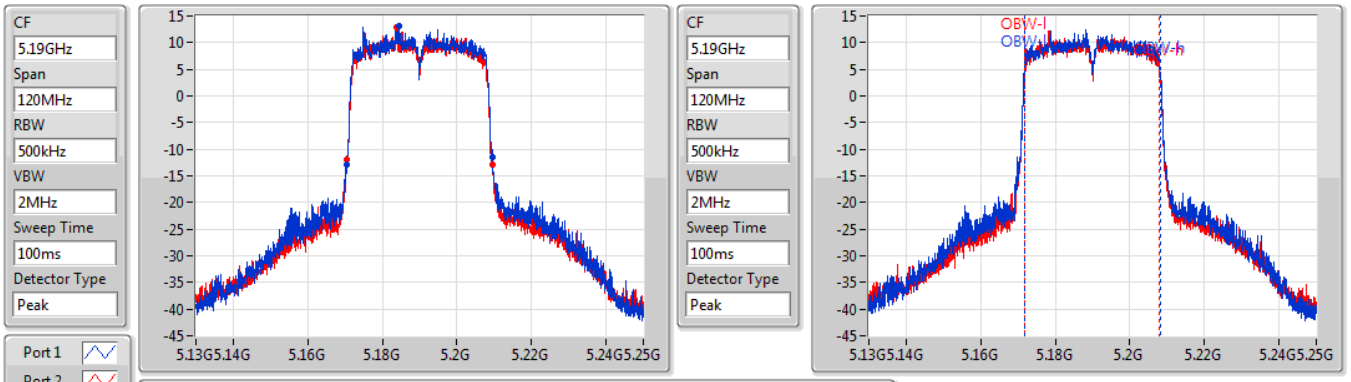


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.37M	5.30968G	5.33005G	17.631M	5.311154G	5.328786G	Inf	1
20.19M	5.30992G	5.33011G	17.631M	5.311154G	5.328786G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5190MHz

27/01/2021

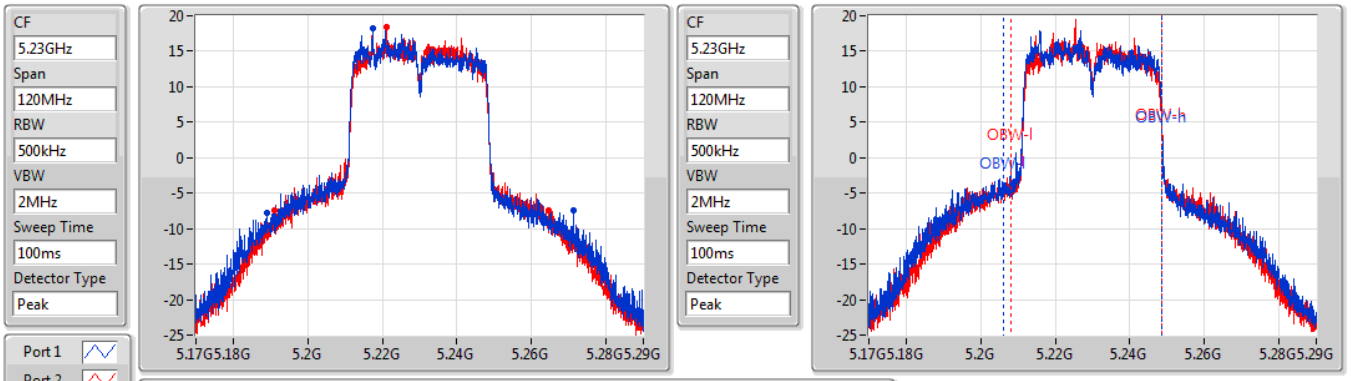


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.3M	5.17032G	5.20962G	36.162M	5.171889G	5.208051G	Inf	1
38.94M	5.1705G	5.20944G	36.162M	5.171769G	5.207931G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5230MHz

27/01/2021

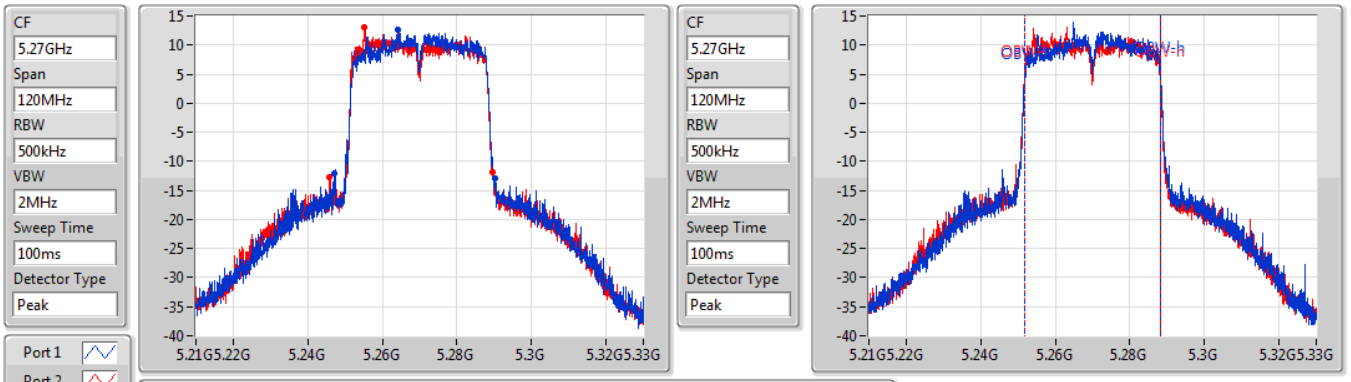


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.26M	5.18896G	5.27122G	42.519M	5.206192G	5.248711G	Inf	1
73.5M	5.19106G	5.26456G	40.54M	5.208111G	5.248651G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5270MHz

27/01/2021

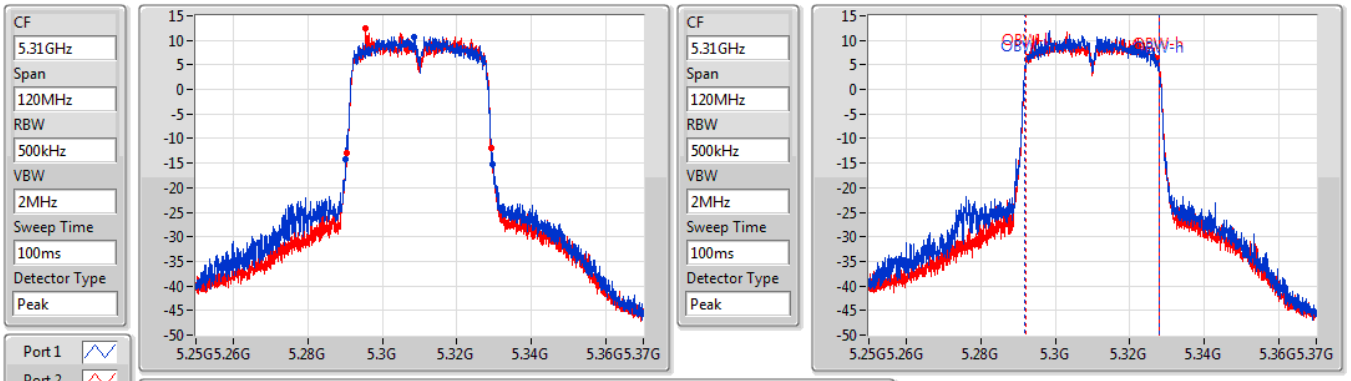


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.26M	5.24696G	5.29022G	36.162M	5.251949G	5.288111G	Inf	1
43.86M	5.24582G	5.28968G	36.222M	5.251829G	5.288051G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5310MHz

27/01/2021

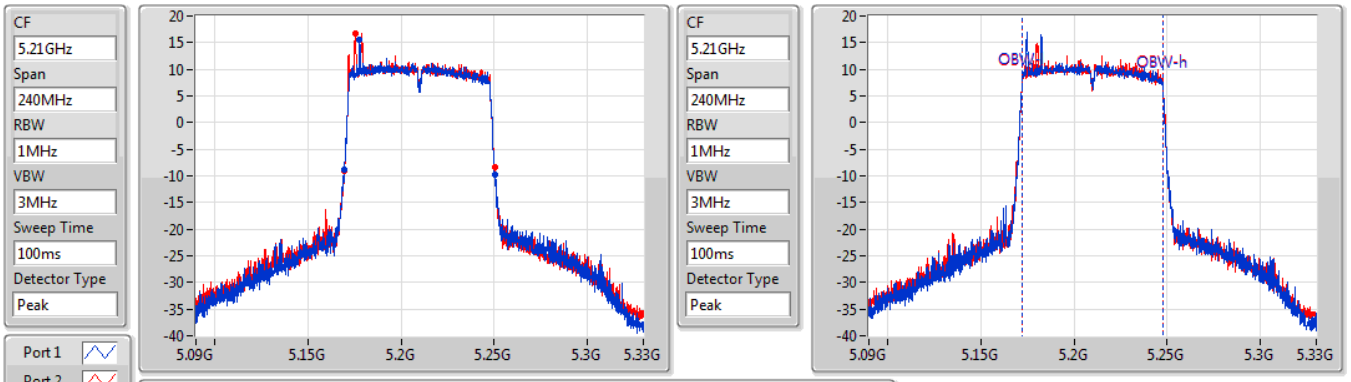


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.54M	5.29008G	5.32962G	35.922M	5.291949G	5.327871G	Inf	1
38.82M	5.29056G	5.32938G	35.982M	5.292009G	5.327991G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5210MHz

27/01/2021

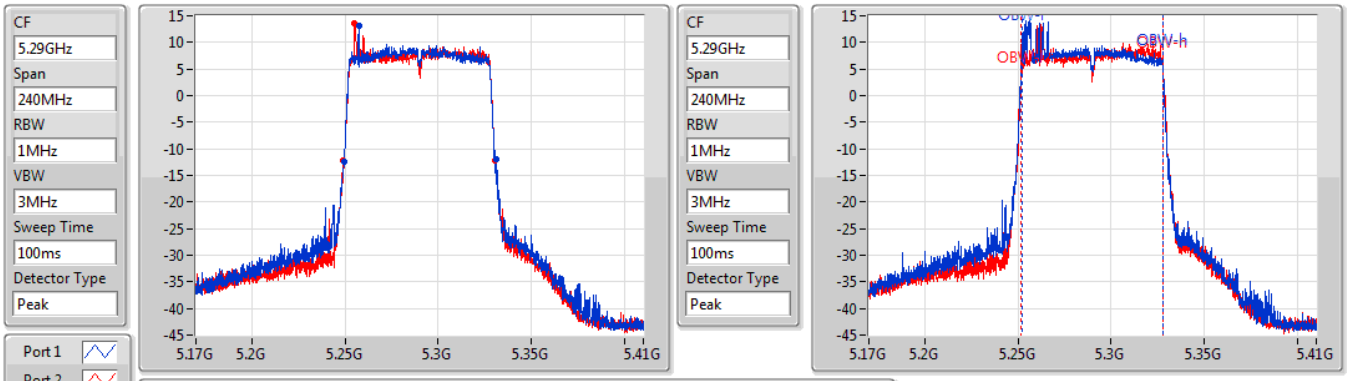


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.16932G	5.25068G	75.562M	5.172099G	5.247661G	Inf	1
80.64M	5.16968G	5.25032G	75.682M	5.172099G	5.247781G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5290MHz

27/01/2021



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.24944G	5.3308G	75.682M	5.251979G	5.327661G	Inf	1
81.12M	5.2492G	5.33032G	76.162M	5.251739G	5.327901G	Inf	2

For 5GHz Band 3 and Band 4:
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a-BF_Nss1,(6Mbps)_2TX	19.62M	16.402M	16M4D1D	19.08M	16.372M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.34M	17.631M	17M6D1D	20.07M	17.571M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	39.84M	36.042M	36M0D1D	38.64M	35.862M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	82.08M	76.042M	76M0D1D	80.52M	75.682M
5.725-5.85GHz	-	-	-	-	-
802.11a-BF_Nss1,(6Mbps)_2TX	16.44M	28.786M	28M8D1D	15.87M	17.931M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.52M	28.366M	28M4D1D	16.83M	18.141M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	35.76M	53.733M	53M7D1D	32.58M	45.637M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	75.72M	75.922M	75M9D1D	71.16M	75.922M

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

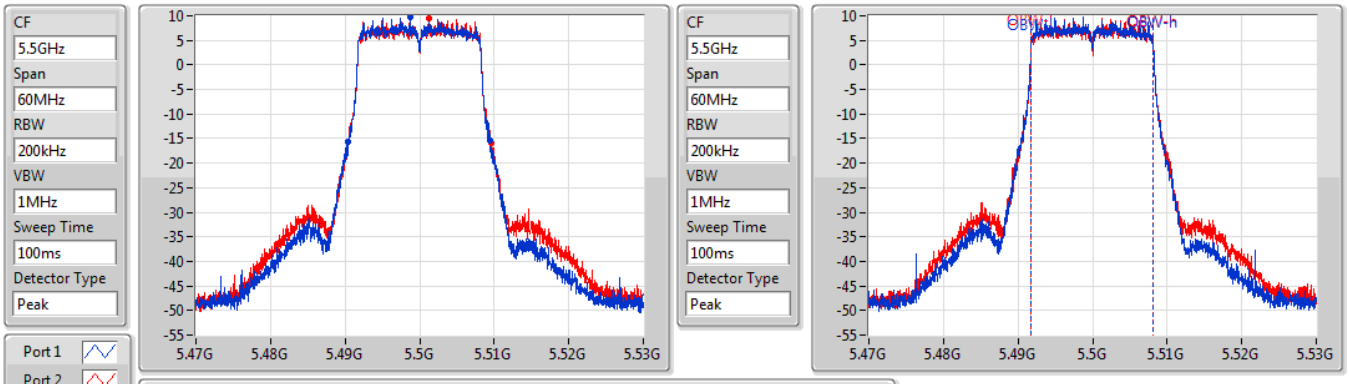
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5500MHz	Pass	Inf	19.08M	16.402M	19.2M	16.372M
5580MHz	Pass	Inf	19.62M	16.402M	19.17M	16.402M
5700MHz	Pass	Inf	19.2M	16.402M	19.47M	16.402M
5745MHz	Pass	500k	16.29M	17.931M	16.26M	20.57M
5785MHz	Pass	500k	16.44M	22.669M	15.87M	19.67M
5825MHz	Pass	500k	16.32M	19.61M	16.38M	28.786M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	Inf	20.07M	17.571M	20.25M	17.631M
5580MHz	Pass	Inf	20.19M	17.601M	20.34M	17.601M
5700MHz	Pass	Inf	20.31M	17.601M	20.25M	17.601M
5745MHz	Pass	500k	17.52M	18.141M	16.83M	18.861M
5785MHz	Pass	500k	17.25M	21.679M	17.37M	18.531M
5825MHz	Pass	500k	17.25M	18.921M	16.83M	28.366M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	Inf	39.72M	35.862M	38.64M	35.922M
5550MHz	Pass	Inf	39.3M	35.922M	39.84M	36.042M
5670MHz	Pass	Inf	39.72M	35.922M	39.12M	35.922M
5755MHz	Pass	500k	32.58M	49.475M	33.72M	45.637M
5795MHz	Pass	500k	33.78M	51.934M	35.76M	53.733M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	Inf	80.88M	75.802M	80.52M	75.802M
5610MHz	Pass	Inf	82.08M	76.042M	80.76M	75.682M
5775MHz	Pass	500k	71.16M	75.922M	75.72M	75.922M

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-BF_Nss1,(6Mbps)_2TX EBW

5500MHz

27/01/2021

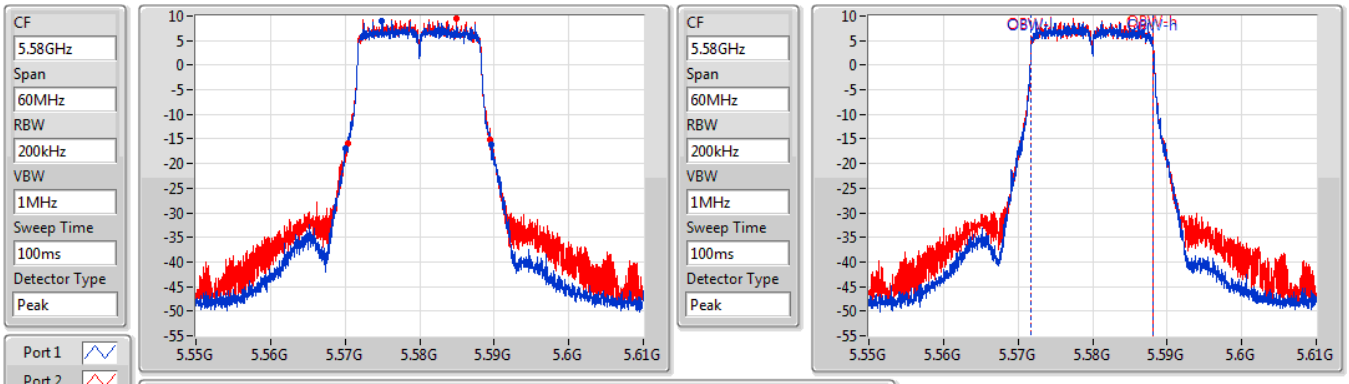


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.08M	5.49037G	5.50945G	16.402M	5.491754G	5.508156G	Inf	1
19.2M	5.49046G	5.50966G	16.372M	5.491784G	5.508156G	Inf	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5580MHz

27/01/2021

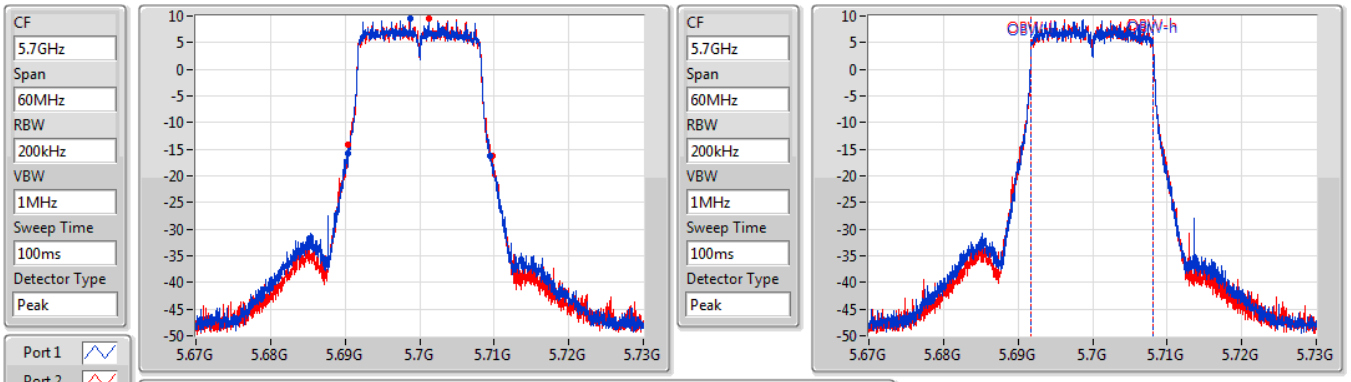


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.62M	5.56998G	5.5896G	16.402M	5.571754G	5.588156G	Inf	1
19.17M	5.57031G	5.58948G	16.402M	5.571754G	5.588156G	Inf	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5700MHz

27/01/2021

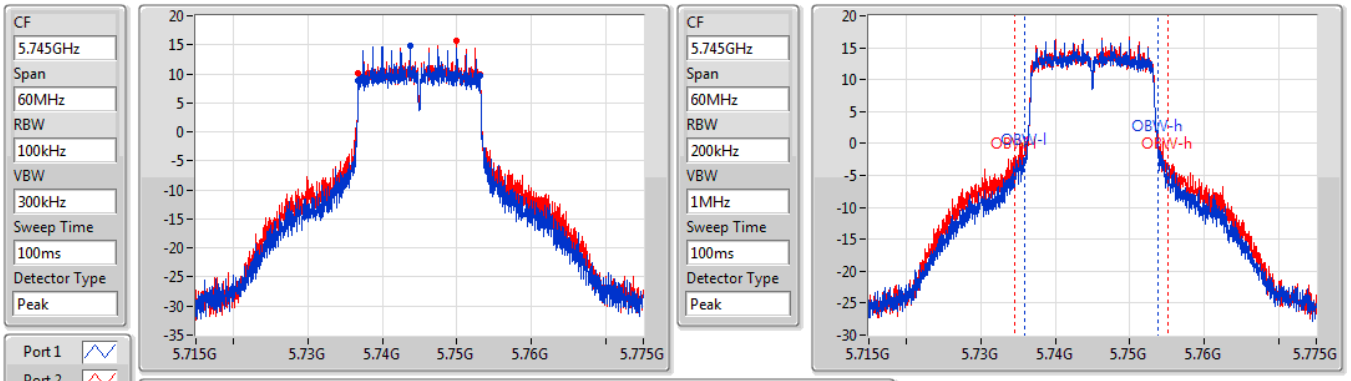


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.2M	5.69031G	5.70951G	16.402M	5.691754G	5.708156G	Inf	1
19.47M	5.69034G	5.70981G	16.402M	5.691754G	5.708156G	Inf	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5745MHz

27/01/2021

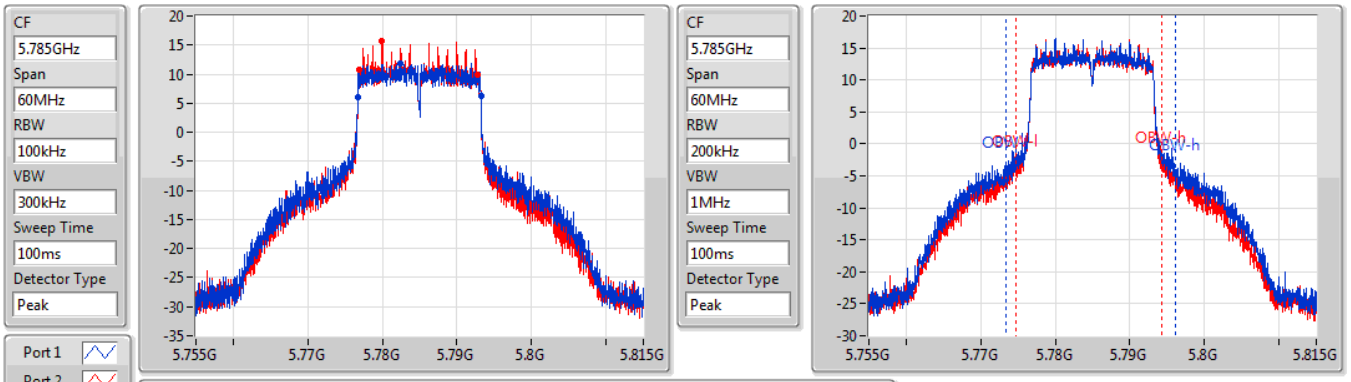


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.73681G	5.7531G	17.931M	5.735915G	5.753846G	500k	1
16.26M	5.73681G	5.75307G	20.57M	5.734535G	5.755105G	500k	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5785MHz

27/01/2021

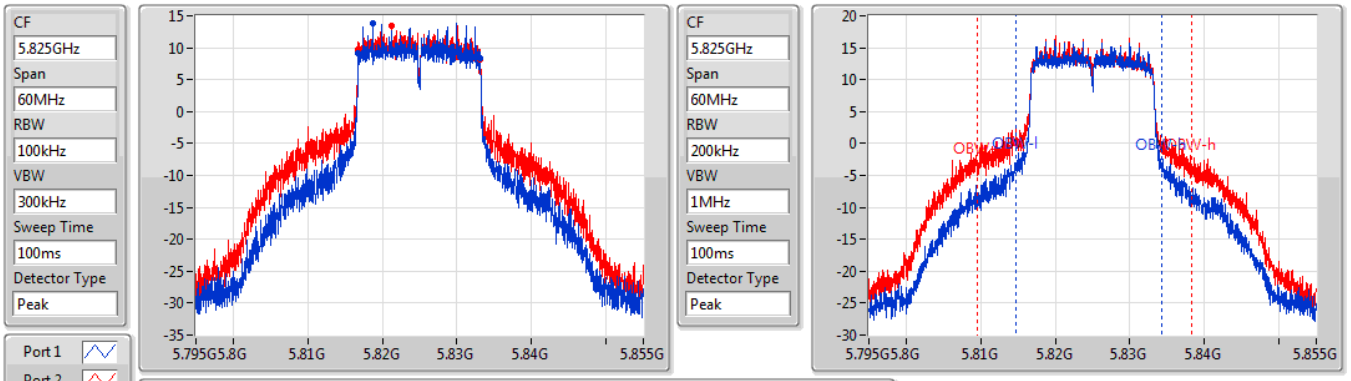


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.44M	5.77675G	5.79319G	22.669M	5.773456G	5.796124G	500k	1
15.87M	5.77684G	5.79271G	19.67M	5.774655G	5.794325G	500k	2

802.11a-BF_Nss1,(6Mbps)_2TX EBW

5825MHz

27/01/2021

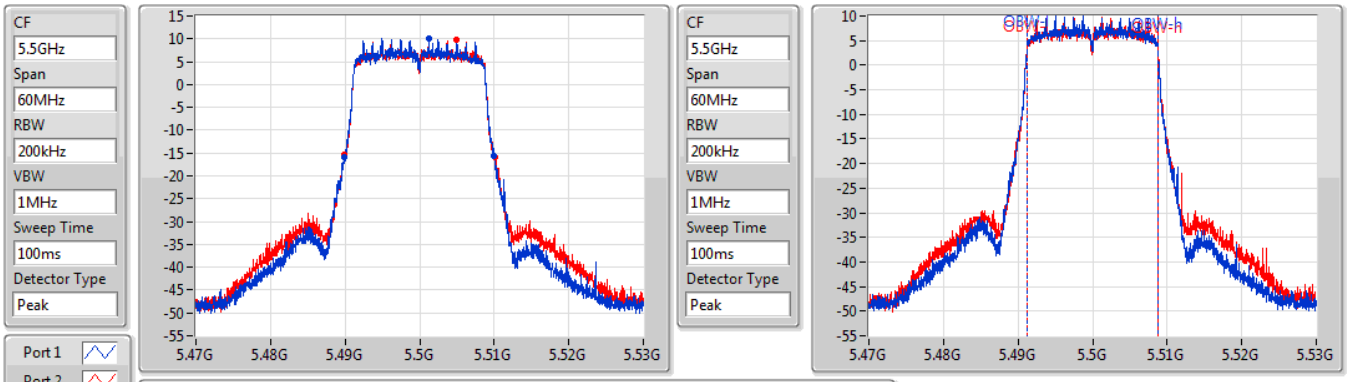


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.81681G	5.83313G	19.61M	5.814715G	5.834325G	500k	1
16.38M	5.81678G	5.83316G	28.786M	5.809558G	5.838343G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5500MHz

27/01/2021

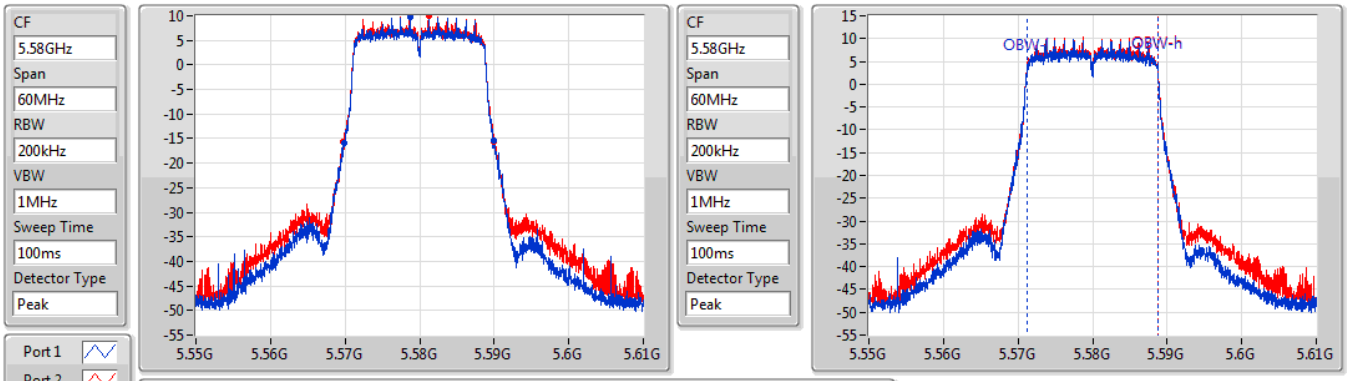


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.07M	5.48989G	5.50996G	17.571M	5.491184G	5.508756G	Inf	1
20.25M	5.48983G	5.51008G	17.631M	5.491154G	5.508786G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5580MHz

27/01/2021

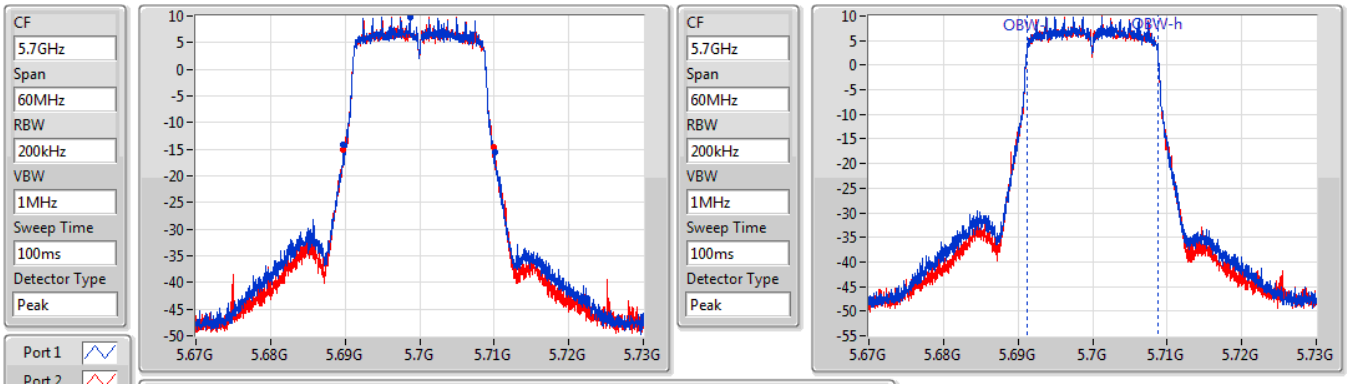


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.19M	5.56983G	5.59002G	17.601M	5.571154G	5.588756G	Inf	1
20.34M	5.56968G	5.59002G	17.601M	5.571154G	5.588756G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5700MHz

27/01/2021

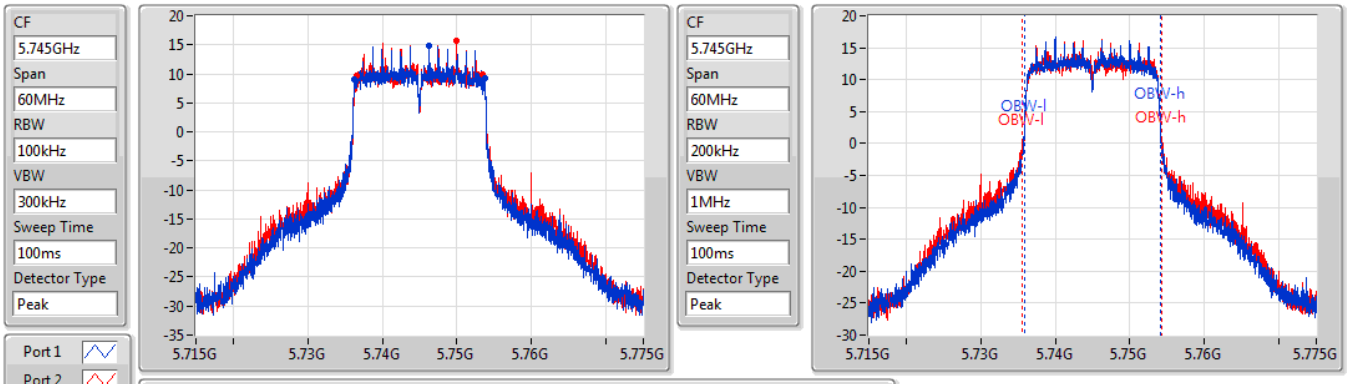


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.31M	5.68977G	5.71008G	17.601M	5.691154G	5.708756G	Inf	1
20.25M	5.68977G	5.71002G	17.601M	5.691154G	5.708756G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5745MHz

28/01/2021

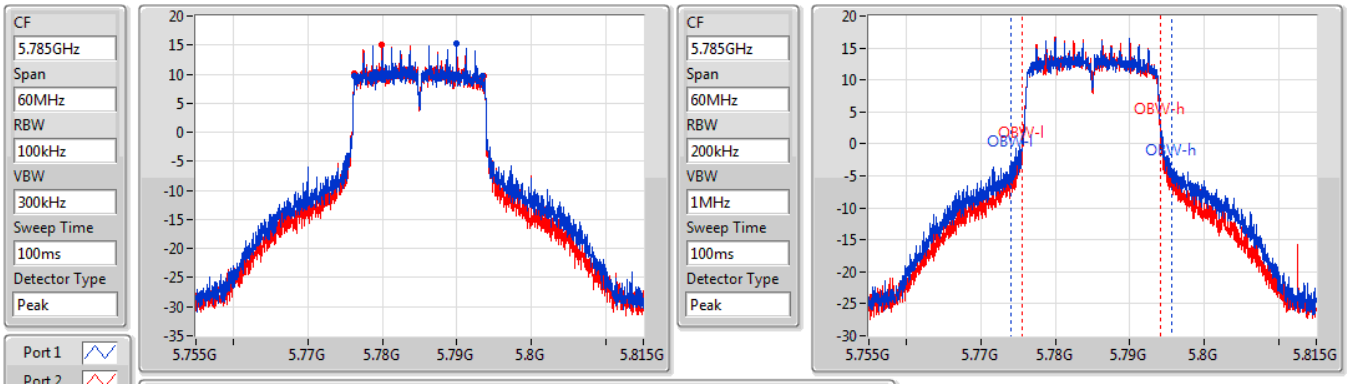


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.73621G	5.75373G	18.141M	5.735885G	5.754025G	500k	1
16.83M	5.73663G	5.75346G	18.861M	5.735495G	5.754355G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5785MHz

28/01/2021

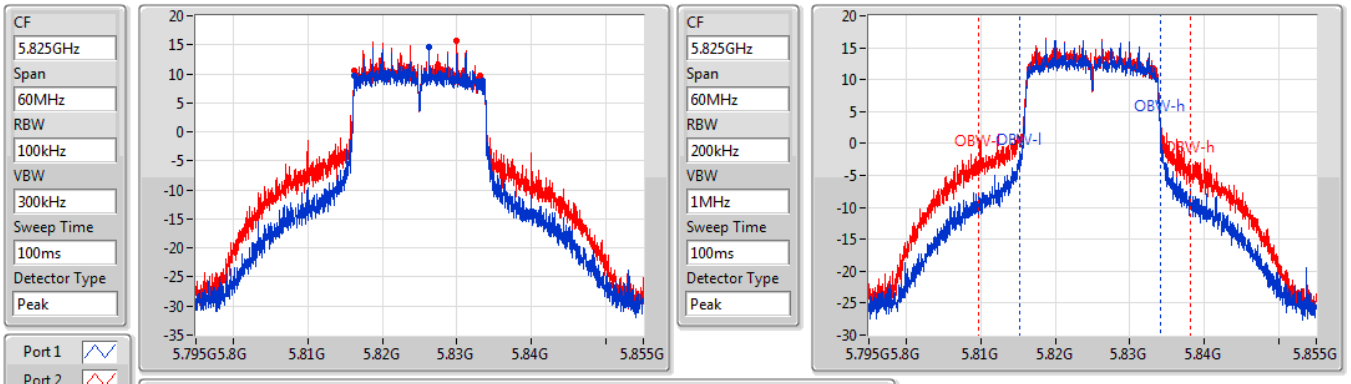


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	5.77621G	5.79346G	21.679M	5.773996G	5.795675G	500k	1
17.37M	5.77621G	5.79358G	18.531M	5.7755585G	5.794115G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5825MHz

28/01/2021

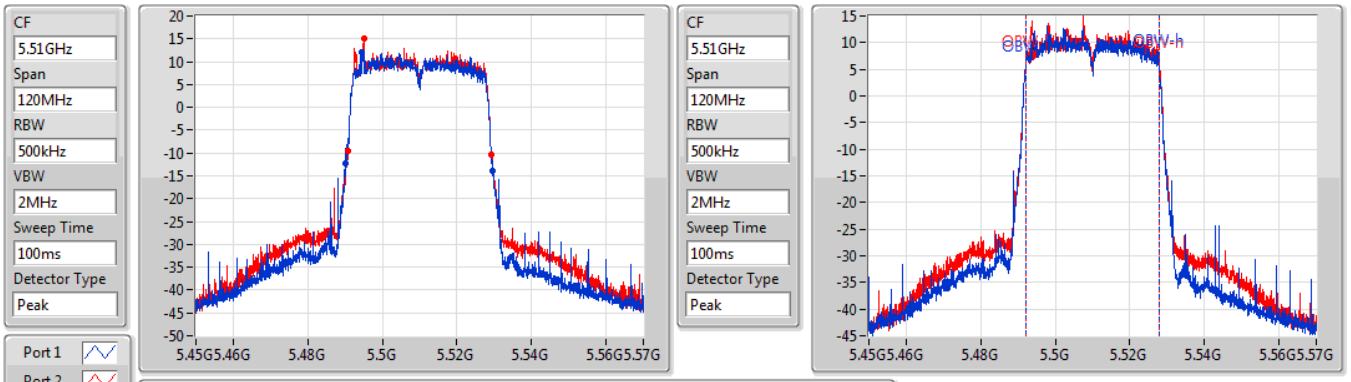


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	5.81621G	5.83346G	18.921M	5.815225G	5.834145G	500k	1
16.83M	5.81621G	5.83304G	28.366M	5.809708G	5.838073G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5510MHz

28/01/2021

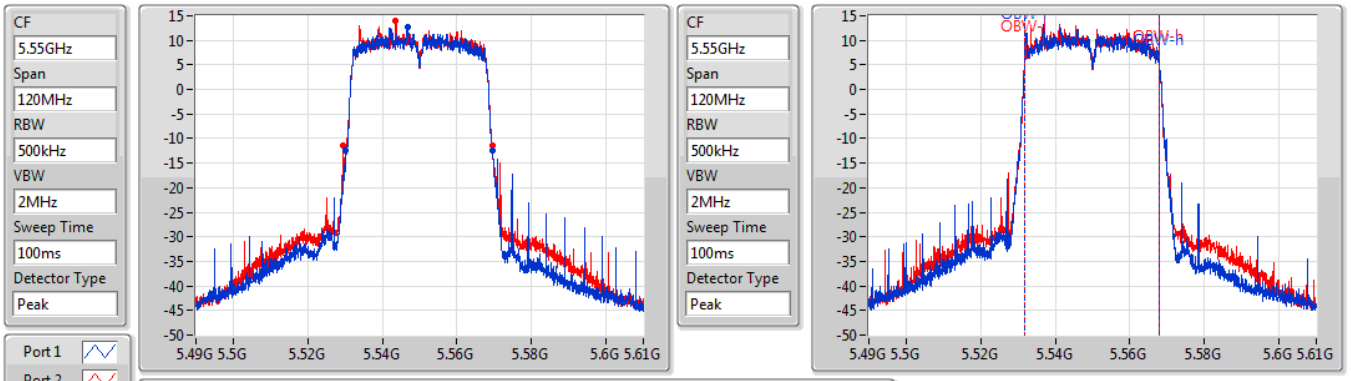


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.72M	5.48996G	5.52968G	35.862M	5.492009G	5.527871G	Inf	1
38.64M	5.49068G	5.52932G	35.922M	5.492009G	5.527931G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5550MHz

28/01/2021

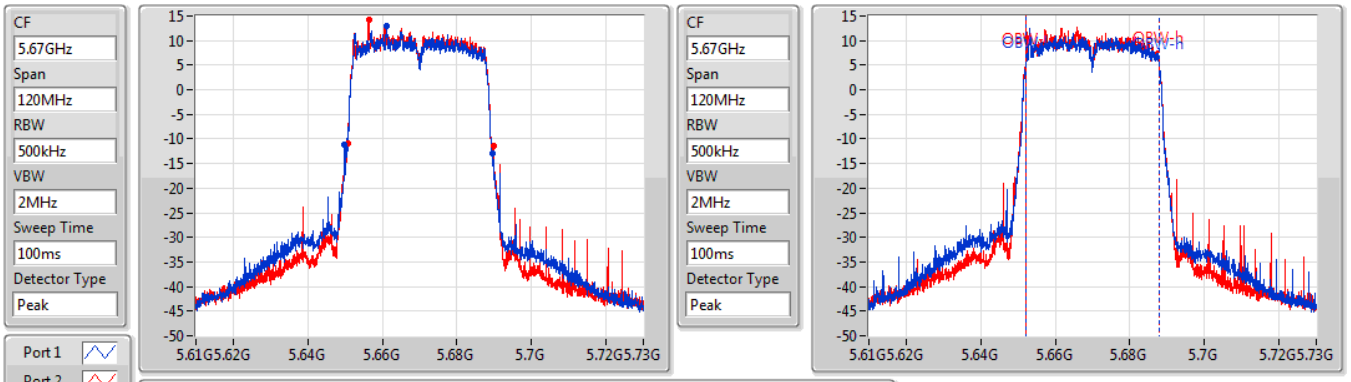


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.3M	5.53026G	5.56956G	35.922M	5.531949G	5.567871G	Inf	1
39.84M	5.5296G	5.56944G	36.042M	5.531829G	5.567871G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5670MHz

28/01/2021

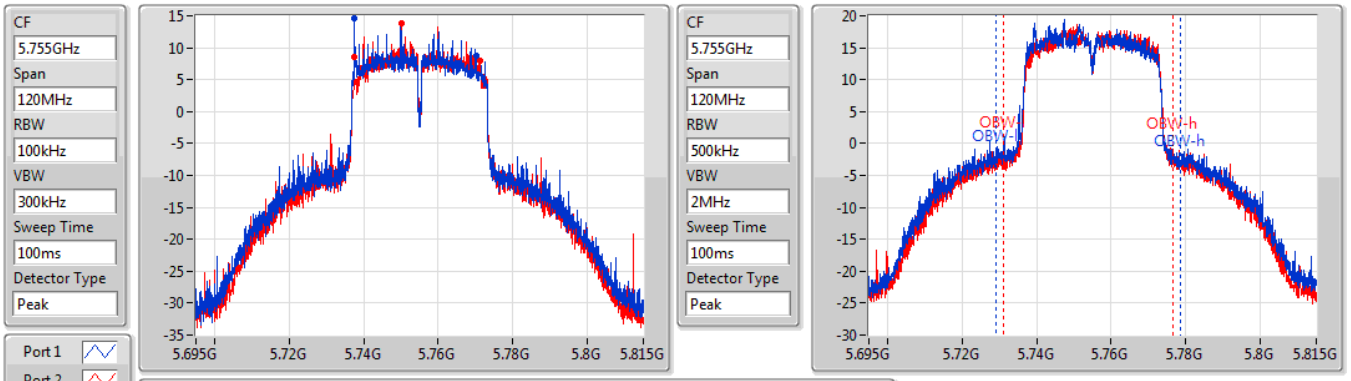


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.72M	5.64972G	5.68944G	35.922M	5.652009G	5.687931G	Inf	1
39.12M	5.65062G	5.68974G	35.922M	5.652009G	5.687931G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5755MHz

28/01/2021

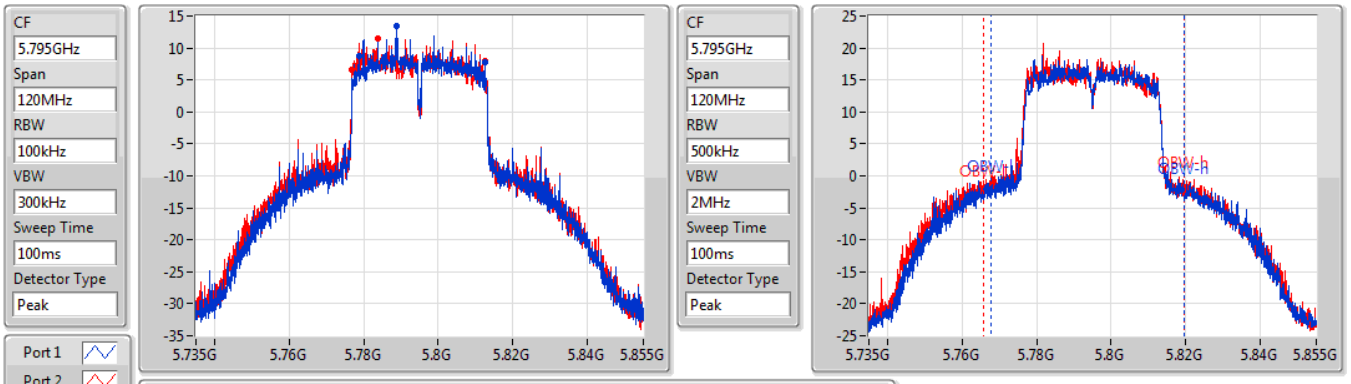


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.58M	5.73748G	5.77006G	49.475M	5.728973G	5.778448G	500k	1
33.72M	5.73748G	5.7712G	45.637M	5.731072G	5.776709G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5795MHz

28/01/2021

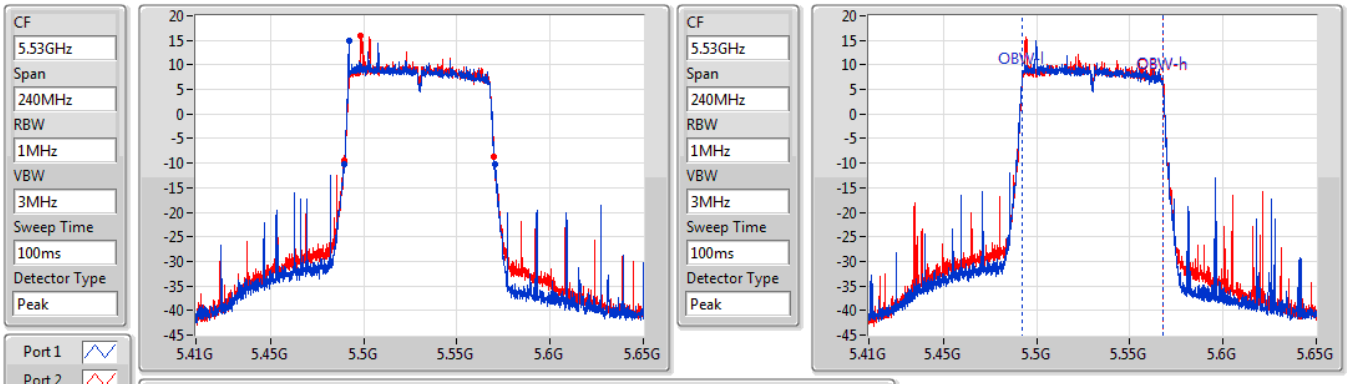


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.78M	5.77874G	5.81252G	51.934M	5.767774G	5.819708G	500k	1
35.76M	5.77676G	5.81252G	53.733M	5.765915G	5.819648G	500k	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5530MHz

28/01/2021

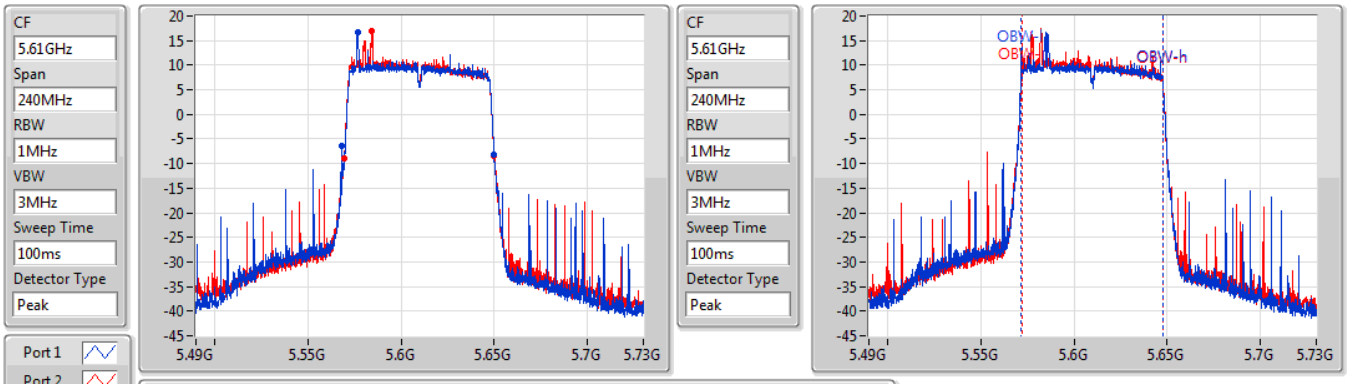


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.88M	5.48944G	5.57032G	75.802M	5.491979G	5.567781G	Inf	1
80.52M	5.48956G	5.57008G	75.802M	5.492099G	5.567901G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5610MHz

28/01/2021

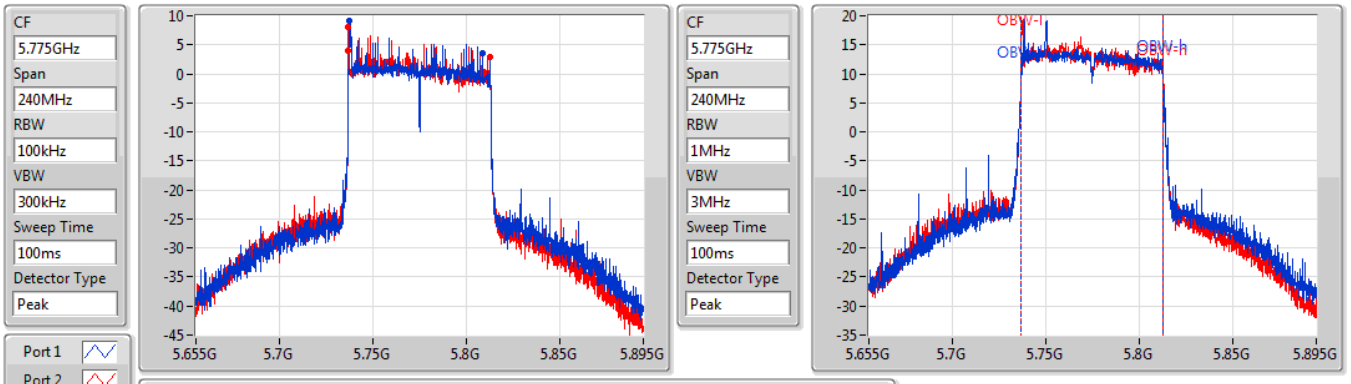


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.568G	5.65008G	76.042M	5.571619G	5.647661G	Inf	1
80.76M	5.56932G	5.65008G	75.682M	5.571979G	5.647661G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5775MHz

28/01/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
71.16M	5.73756G	5.80872G	75.922M	5.736859G	5.812781G	500k	1
75.72M	5.73672G	5.81244G	75.922M	5.736859G	5.812781G	500k	2

For 5GHz Band 1 and Band 2:
Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a-BF_Nss1,(6Mbps)_2TX	28.90	0.77625
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	28.84	0.76560
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	28.08	0.64269
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	22.77	0.18923
5.25-5.35GHz	-	-
802.11a-BF_Nss1,(6Mbps)_2TX	23.39	0.21827
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	23.38	0.21777
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	23.41	0.21928
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	20.91	0.12331

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.56	22.00	21.79	24.91	29.44
5200MHz	Pass	6.56	26.17	25.58	28.90	29.44
5240MHz	Pass	6.56	23.80	24.05	26.94	29.44
5260MHz	Pass	6.56	20.39	20.37	23.39	23.42
5300MHz	Pass	6.56	20.14	19.96	23.06	23.33
5320MHz	Pass	6.56	20.17	20.03	23.11	23.33
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.56	22.10	21.68	24.91	29.44
5200MHz	Pass	6.56	26.10	25.54	28.84	29.44
5240MHz	Pass	6.56	23.26	23.44	26.36	29.44
5260MHz	Pass	6.56	20.39	20.32	23.37	23.42
5300MHz	Pass	6.56	20.28	20.45	23.38	23.42
5320MHz	Pass	6.56	20.04	20.16	23.11	23.42
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.56	19.69	19.57	22.64	29.44
5230MHz	Pass	6.56	25.11	25.02	28.08	29.44
5270MHz	Pass	6.56	20.51	20.29	23.41	23.42
5310MHz	Pass	6.56	19.23	18.92	22.09	23.42
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.56	19.83	19.68	22.77	29.44
5290MHz	Pass	6.56	17.94	17.86	20.91	23.42

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

For 5GHz Band 3 and Band 4:
Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a-BF_Nss1,(6Mbps)_2TX	22.28	0.16904
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	22.49	0.17742
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	22.54	0.17947
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	22.37	0.17258
5.725-5.85GHz	-	-
802.11a-BF_Nss1,(6Mbps)_2TX	28.67	0.73621
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	28.59	0.72277
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	28.93	0.78163
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	26.08	0.40551

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5500MHz	Pass	7.42	19.19	19.35	22.28	22.39
5580MHz	Pass	7.42	19.01	19.47	22.26	22.41
5700MHz	Pass	7.42	19.07	19.29	22.19	22.41
5745MHz	Pass	7.01	25.41	25.77	28.60	28.99
5785MHz	Pass	7.01	25.57	25.75	28.67	28.99
5825MHz	Pass	7.01	25.29	25.73	28.53	28.99
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	7.42	19.53	19.39	22.47	22.56
5580MHz	Pass	7.42	19.21	19.73	22.49	22.56
5700MHz	Pass	7.42	19.39	19.48	22.45	22.56
5745MHz	Pass	7.01	25.57	25.45	28.52	28.99
5785MHz	Pass	7.01	25.64	25.51	28.59	28.99
5825MHz	Pass	7.01	25.42	25.67	28.56	28.99
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	7.42	19.37	19.62	22.51	22.56
5550MHz	Pass	7.42	19.42	19.64	22.54	22.56
5670MHz	Pass	7.42	19.32	19.58	22.46	22.56
5755MHz	Pass	7.01	25.86	25.98	28.93	28.99
5795MHz	Pass	7.01	25.67	25.82	28.76	28.99
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	7.42	18.53	18.66	21.61	22.56
5610MHz	Pass	7.42	19.18	19.53	22.37	22.56
5775MHz	Pass	7.01	22.89	23.25	26.08	28.99

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

For 5GHz Band 1 and Band 2:
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a-BF_Nss1,(6Mbps)_2TX	15.91
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	15.36
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	11.96
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.27
5.25-5.35GHz	-
802.11a-BF_Nss1,(6Mbps)_2TX	10.20
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	9.95
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	7.09
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	1.16

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

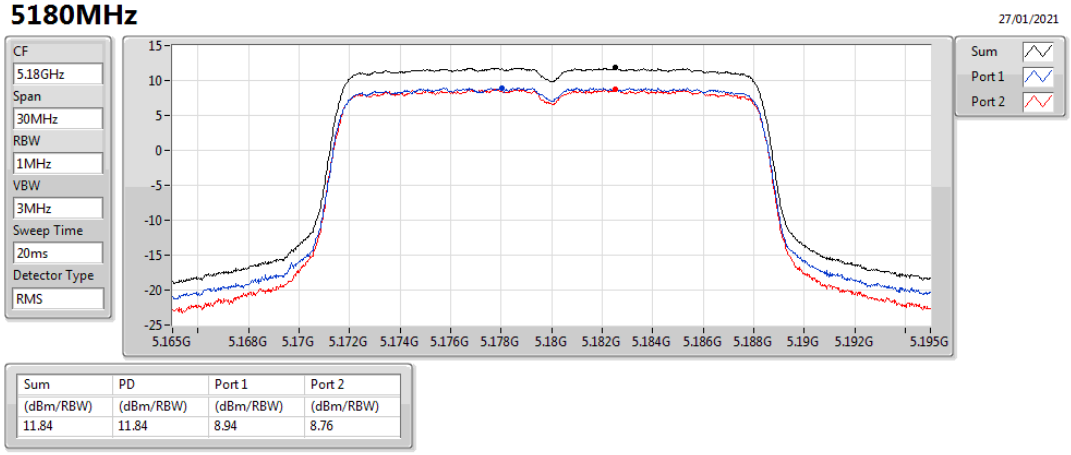
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.56	8.94	8.76	11.84	16.44
5200MHz	Pass	6.56	13.23	12.70	15.91	16.44
5240MHz	Pass	6.56	10.88	11.02	13.83	16.44
5260MHz	Pass	6.56	7.33	7.35	10.20	10.44
5300MHz	Pass	6.56	6.79	6.74	9.71	10.44
5320MHz	Pass	6.56	6.85	6.96	9.89	10.44
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.56	8.62	8.35	11.33	16.44
5200MHz	Pass	6.56	12.70	12.25	15.36	16.44
5240MHz	Pass	6.56	10.13	10.21	13.12	16.44
5260MHz	Pass	6.56	7.04	6.95	9.95	10.44
5300MHz	Pass	6.56	7.73	7.04	9.63	10.44
5320MHz	Pass	6.56	6.69	6.67	9.62	10.44
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.56	3.93	3.32	6.51	16.44
5230MHz	Pass	6.56	9.44	8.79	11.96	16.44
5270MHz	Pass	6.56	5.00	4.21	7.09	10.44
5310MHz	Pass	6.56	3.21	2.50	5.73	10.44
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.56	0.35	0.30	3.27	16.44
5290MHz	Pass	6.56	-1.54	-1.93	1.16	10.44

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-BF_Nss1,(6Mbps)_2TX PSD

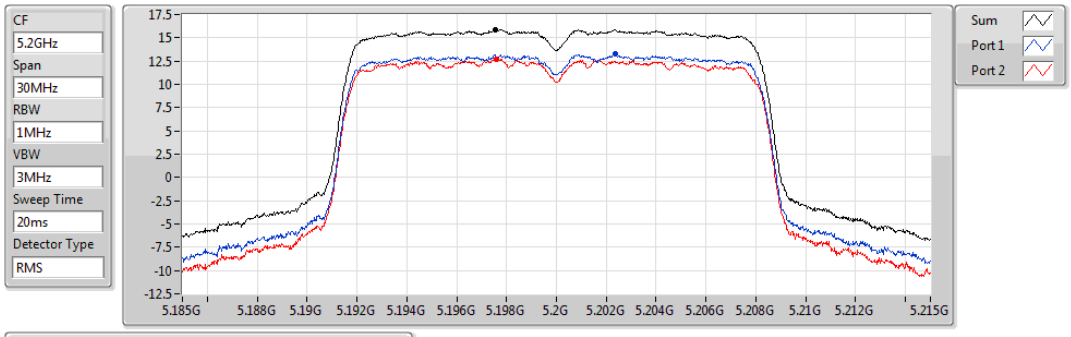
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.84	11.84	8.94	8.76

802.11a-BF_Nss1,(6Mbps)_2TX PSD

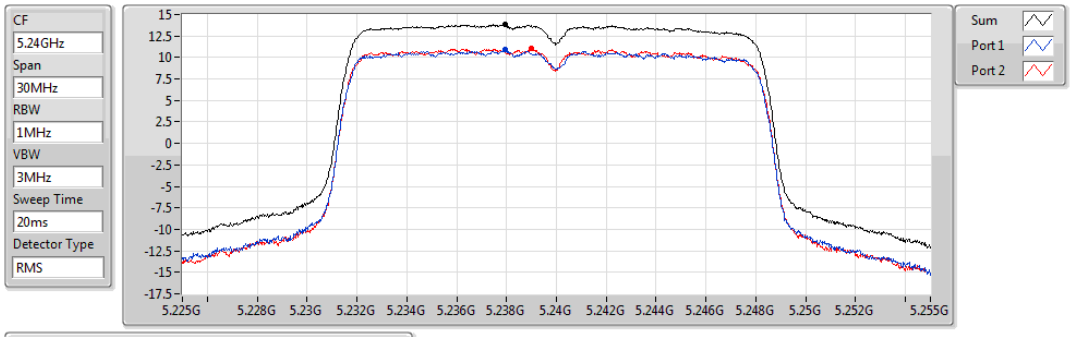
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.91	15.91	13.23	12.70

802.11a-BF_Nss1,(6Mbps)_2TX PSD

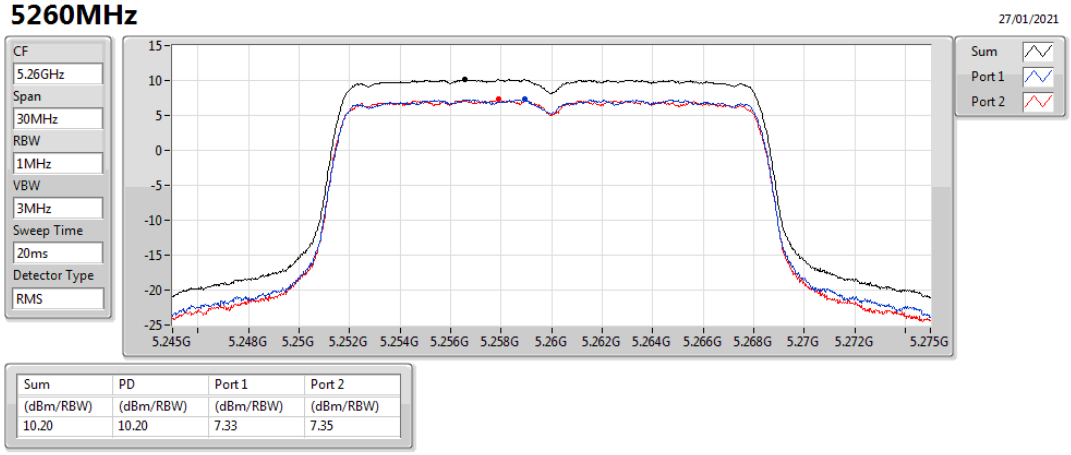
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.83	13.83	10.88	11.02

802.11a-BF_Nss1,(6Mbps)_2TX PSD

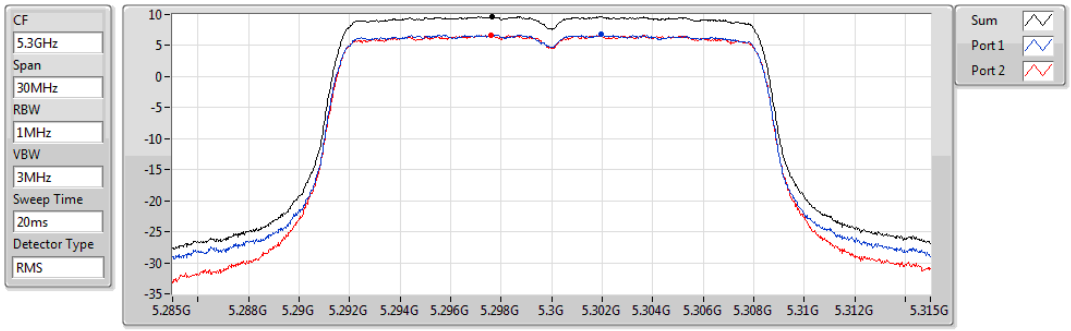
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.20	10.20	7.33	7.35

802.11a-BF_Nss1,(6Mbps)_2TX PSD

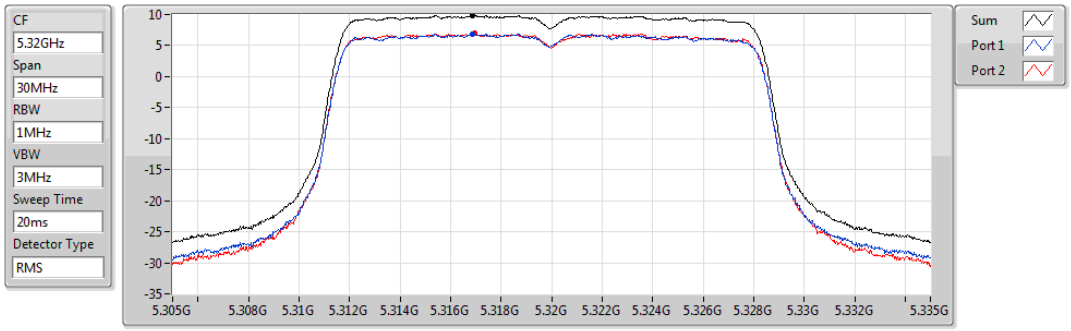
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.71	9.71	6.79	6.74

802.11a-BF_Nss1,(6Mbps)_2TX PSD

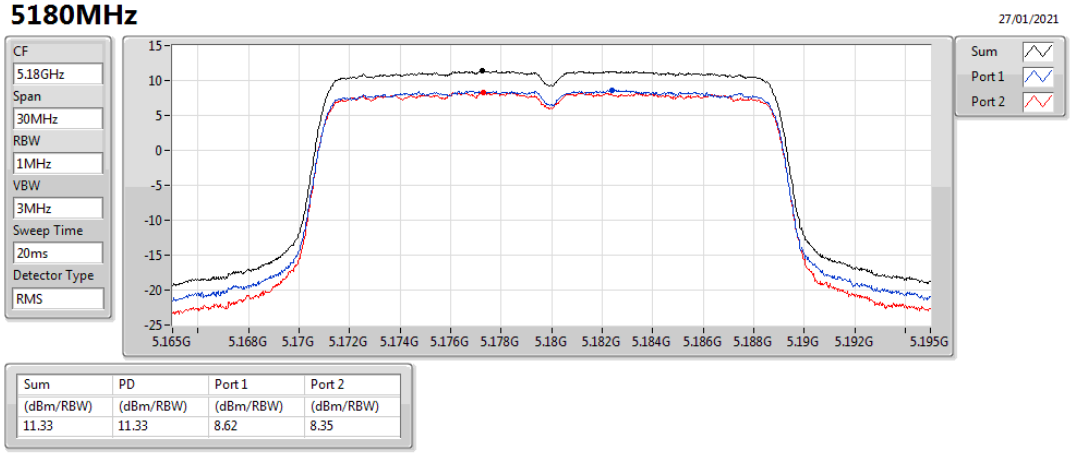
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.89	9.89	6.85	6.96

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

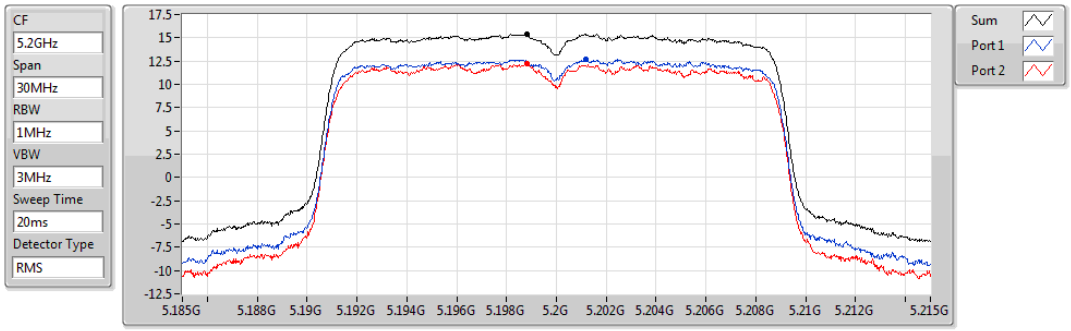
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.33	11.33	8.62	8.35

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

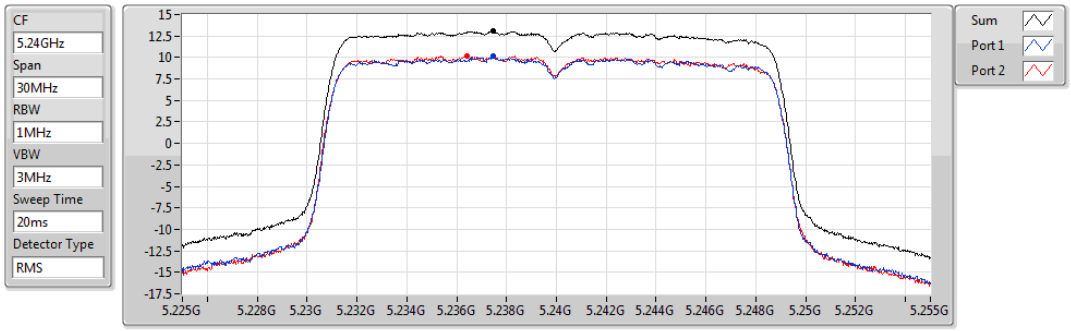
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.36	15.36	12.70	12.25

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

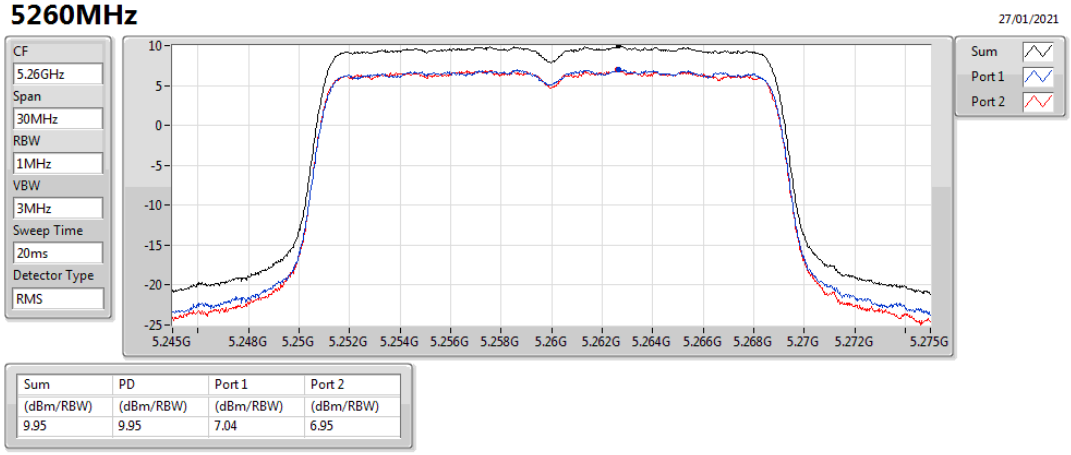
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.12	13.12	10.13	10.21

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

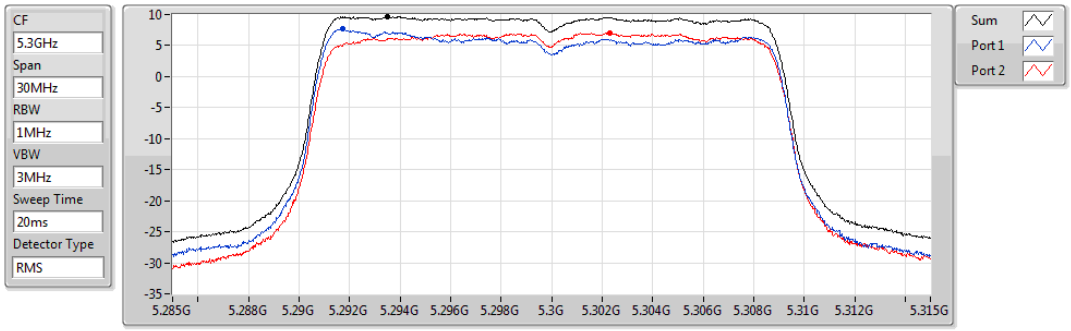
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.95	9.95	7.04	6.95

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

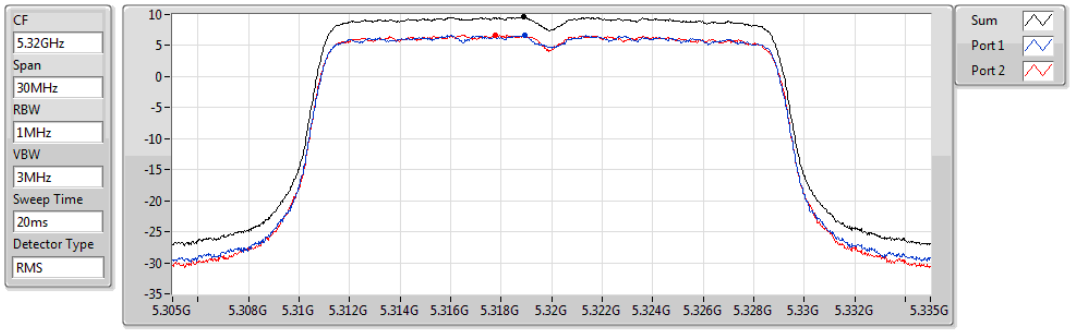
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.63	9.63	7.73	7.04

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

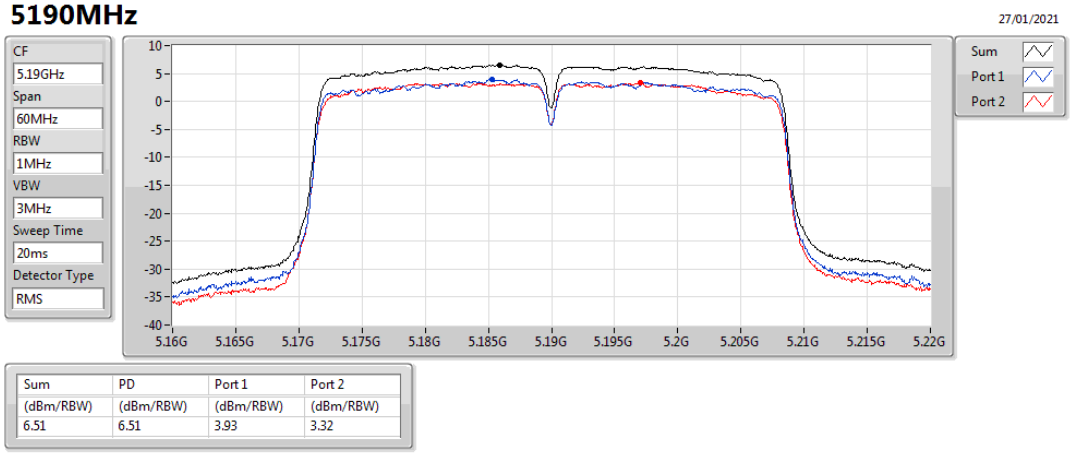
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.62	9.62	6.69	6.67

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

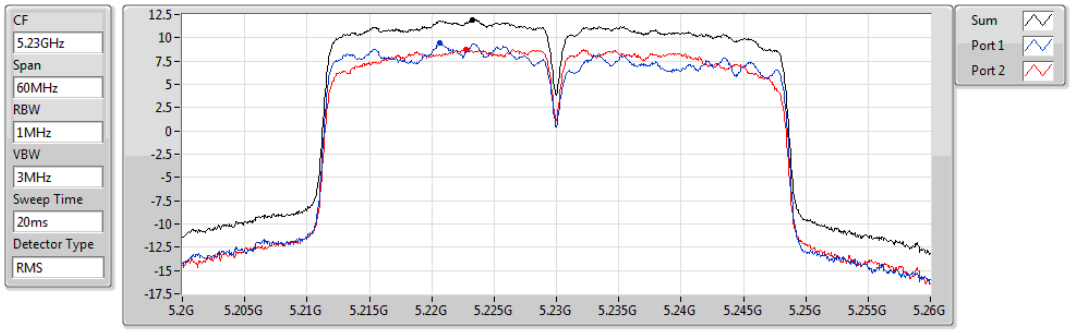
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.51	6.51	3.93	3.32

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

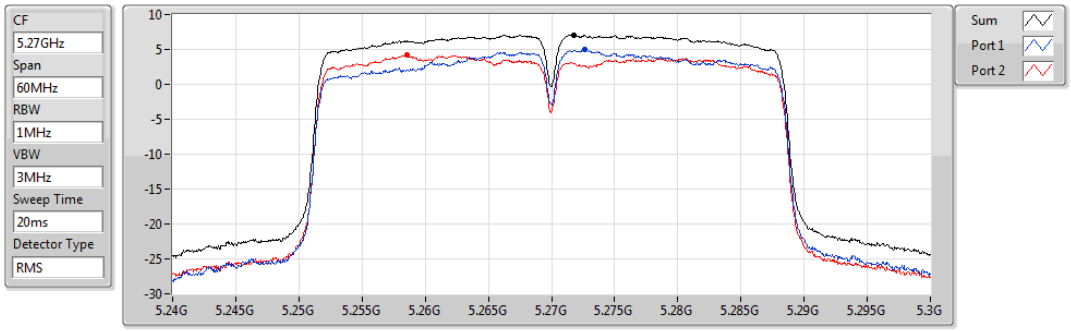
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.96	11.96	9.44	8.79

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

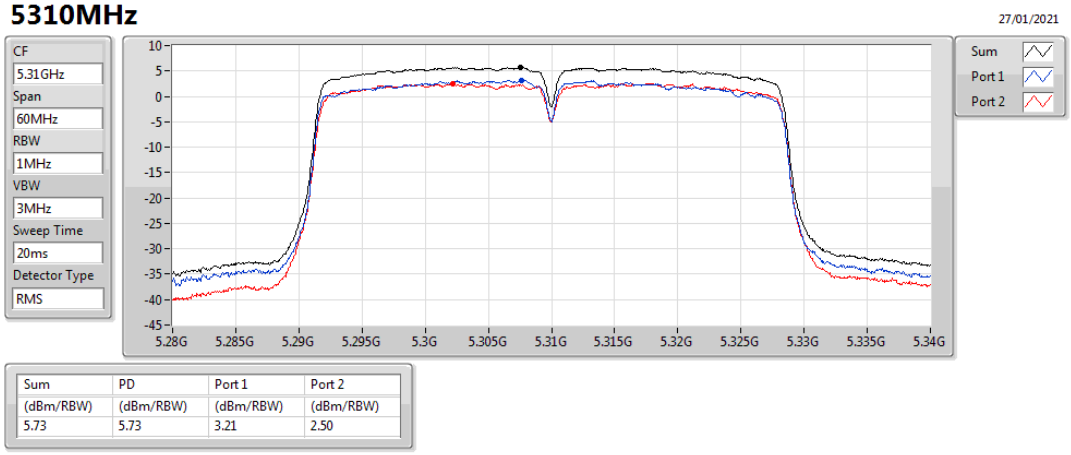
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.09	7.09	5.00	4.21

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

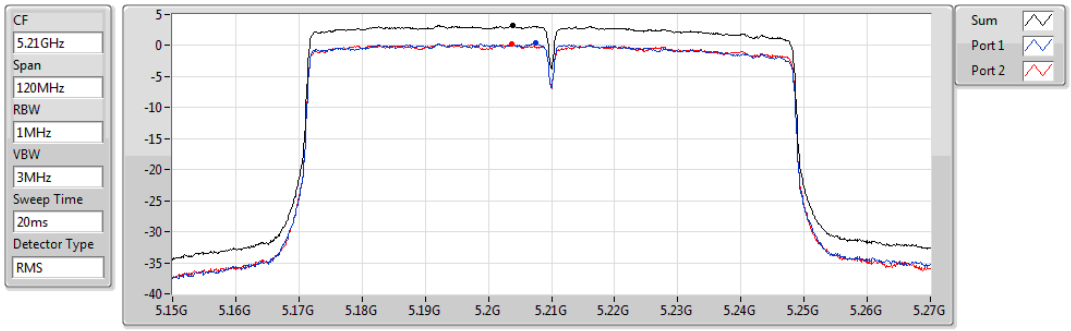
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.73	5.73	3.21	2.50

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

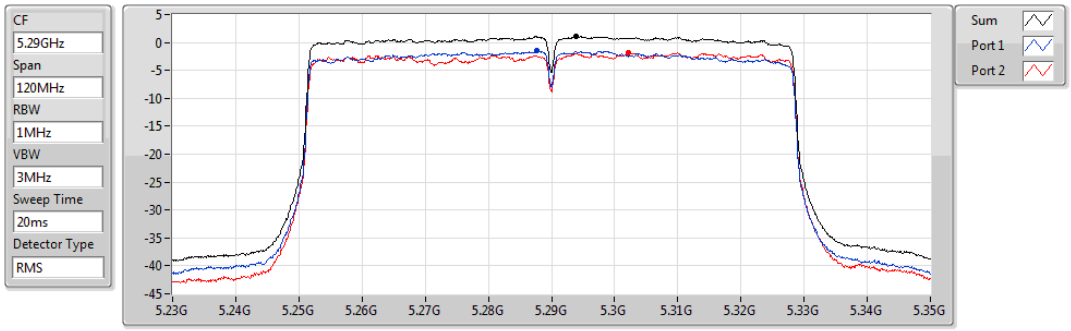
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.27	3.27	0.35	0.30

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.16	1.16	-1.54	-1.93

For 5GHz Band 3 and Band 4:
Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11a-BF_Nss1,(6Mbps)_2TX	9.42
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	9.31
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	6.95
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.45
5.725-5.85GHz	-
802.11a-BF_Nss1,(6Mbps)_2TX	14.19
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	14.03
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	12.10
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	5.91

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

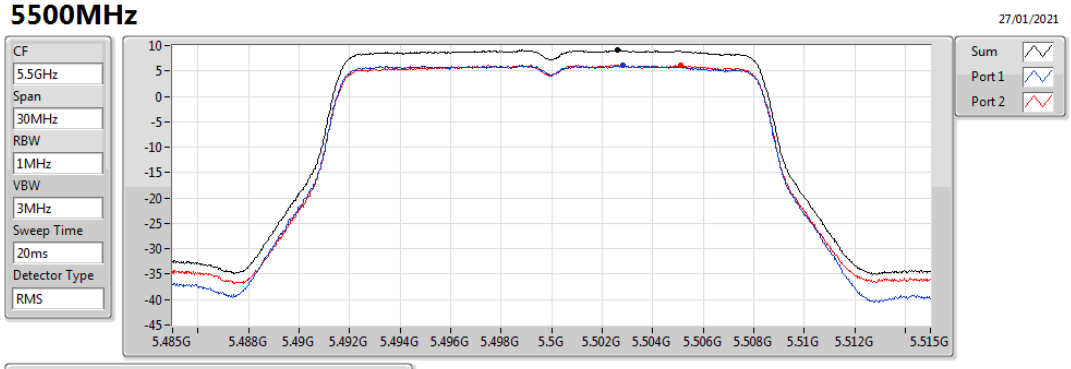
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5500MHz	Pass	7.42	6.10	6.17	9.06	9.58
5580MHz	Pass	7.42	6.29	6.69	9.42	9.58
5700MHz	Pass	7.42	6.30	6.40	9.29	9.58
5745MHz	Pass	7.01	11.02	11.30	14.14	28.99
5785MHz	Pass	7.01	11.24	11.34	14.19	28.99
5825MHz	Pass	7.01	10.78	11.32	13.97	28.99
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	7.42	6.23	6.07	8.99	9.58
5580MHz	Pass	7.42	6.04	6.76	9.31	9.58
5700MHz	Pass	7.42	6.24	6.27	9.15	9.58
5745MHz	Pass	7.01	10.65	11.13	13.87	28.99
5785MHz	Pass	7.01	10.77	11.46	14.03	28.99
5825MHz	Pass	7.01	10.52	11.55	13.92	28.99
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	7.42	3.66	3.95	6.71	9.58
5550MHz	Pass	7.42	3.87	4.19	6.95	9.58
5670MHz	Pass	7.42	3.38	4.24	6.80	9.58
5755MHz	Pass	7.01	9.02	9.70	12.10	28.99
5795MHz	Pass	7.01	8.76	9.35	11.66	28.99
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	7.42	-0.47	-0.44	2.49	9.58
5610MHz	Pass	7.42	0.13	0.95	3.45	9.58
5775MHz	Pass	7.01	2.77	3.82	5.91	28.99

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-BF_Nss1,(6Mbps)_2TX PSD

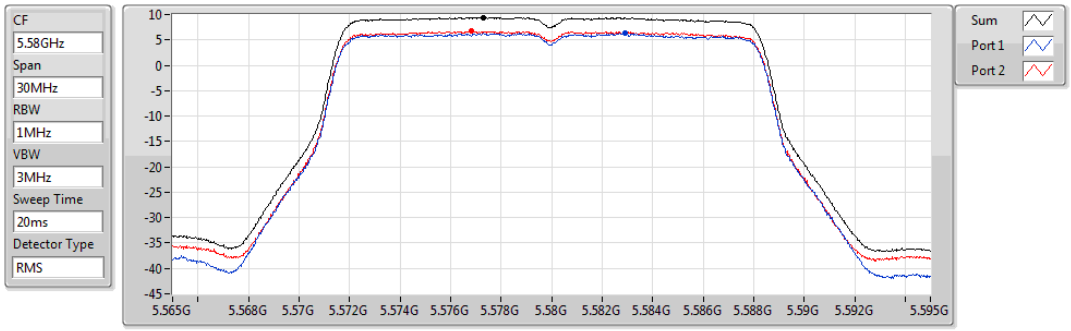
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.06	9.06	6.10	6.17

802.11a-BF_Nss1,(6Mbps)_2TX PSD

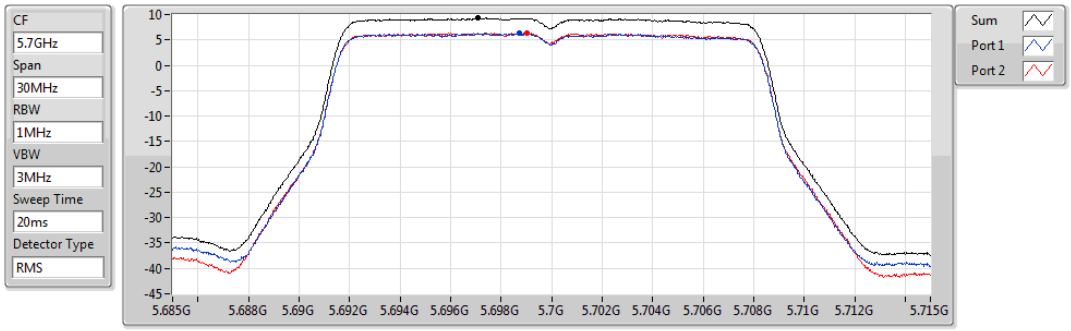
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.42	9.42	6.29	6.69

802.11a-BF_Nss1,(6Mbps)_2TX PSD

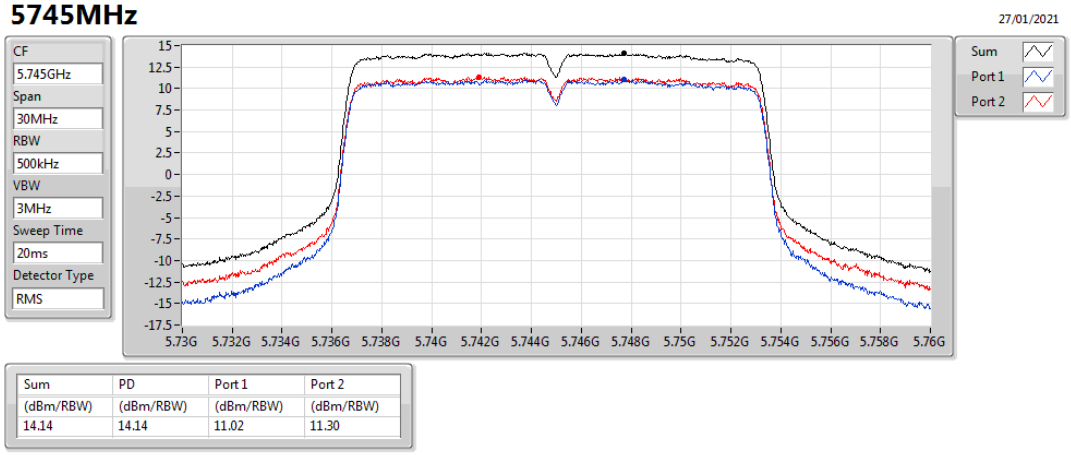
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.29	9.29	6.30	6.40

802.11a-BF_Nss1,(6Mbps)_2TX PSD

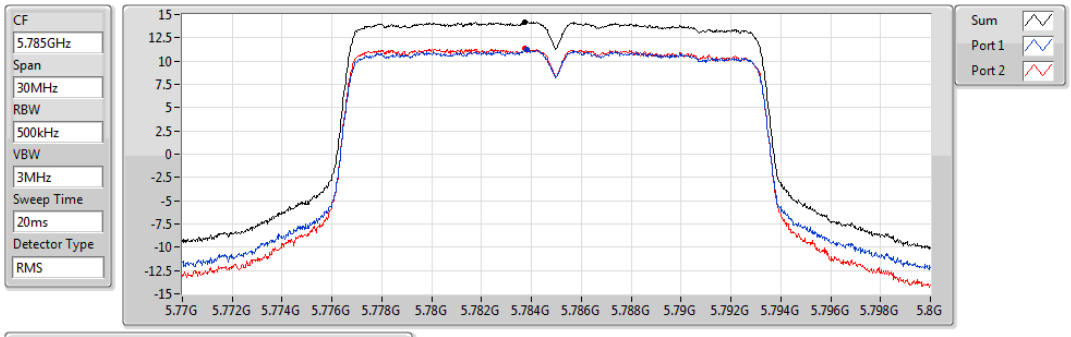
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.14	14.14	11.02	11.30

802.11a-BF_Nss1,(6Mbps)_2TX PSD

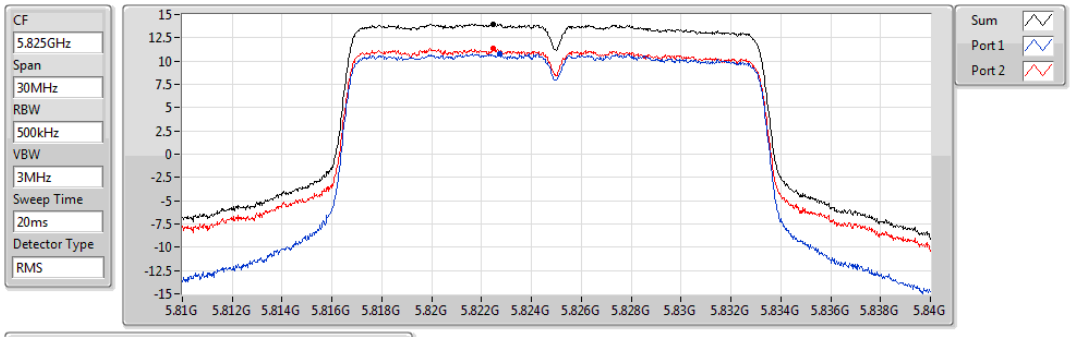
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.19	14.19	11.24	11.34

802.11a-BF_Nss1,(6Mbps)_2TX PSD

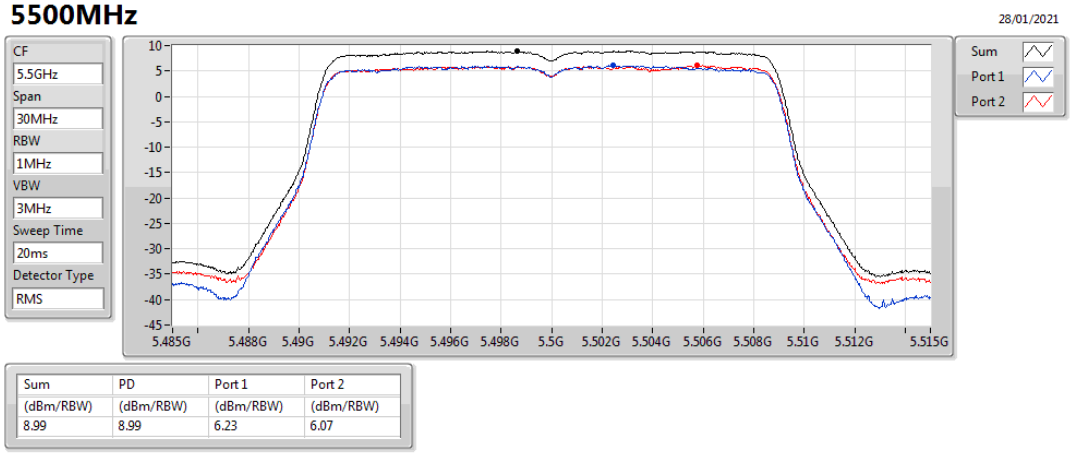
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.97	13.97	10.78	11.32

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

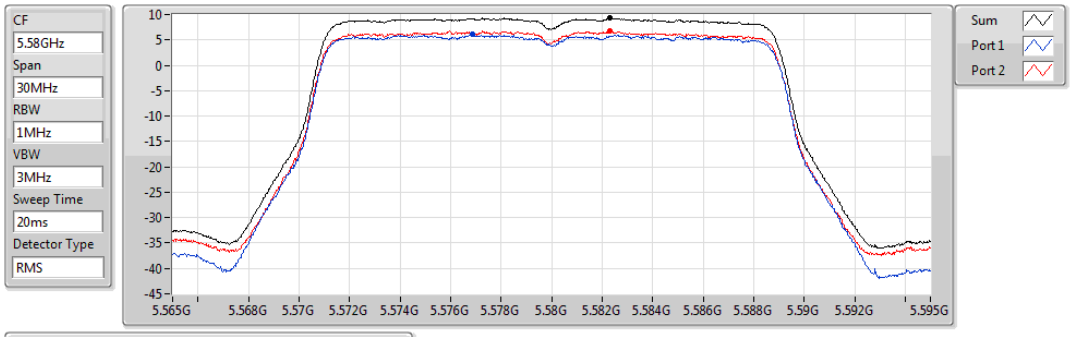
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.99	8.99	6.23	6.07

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

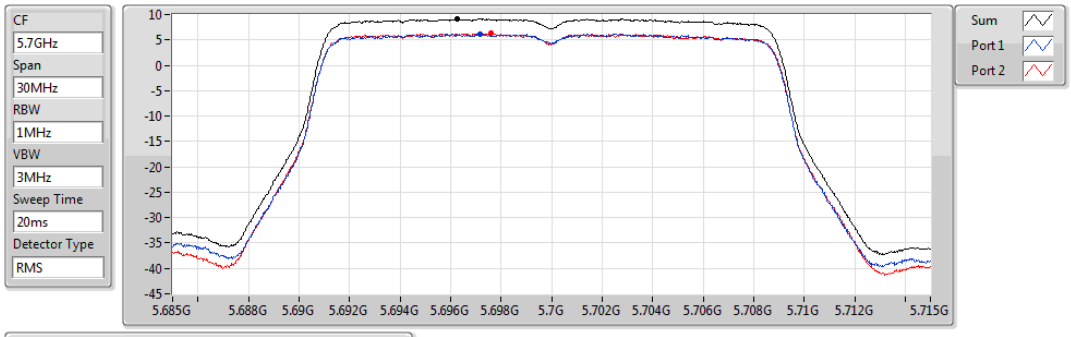
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.31	9.31	6.04	6.76

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

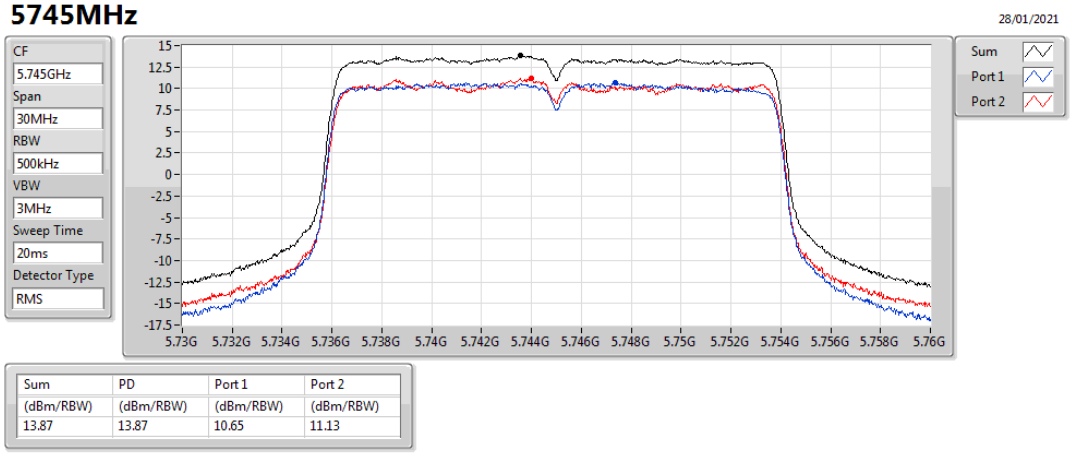
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.15	9.15	6.24	6.27

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

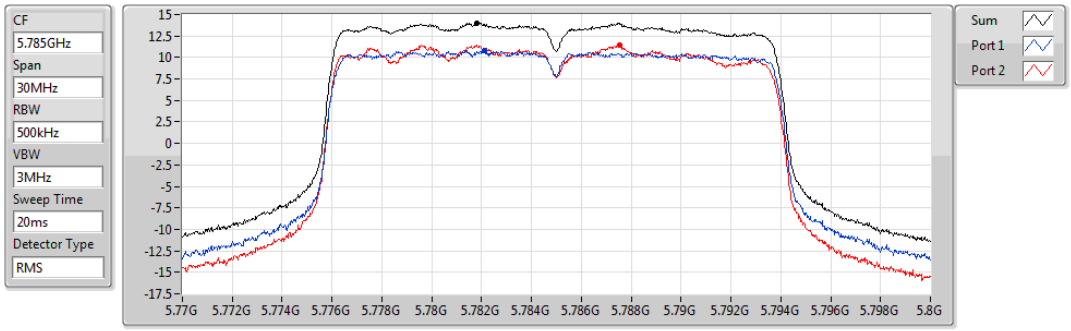
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.87	13.87	10.65	11.13

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

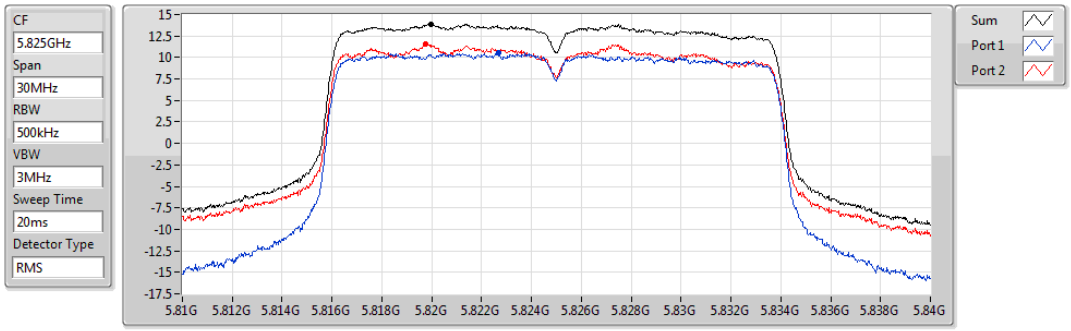
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.03	14.03	10.77	11.46

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

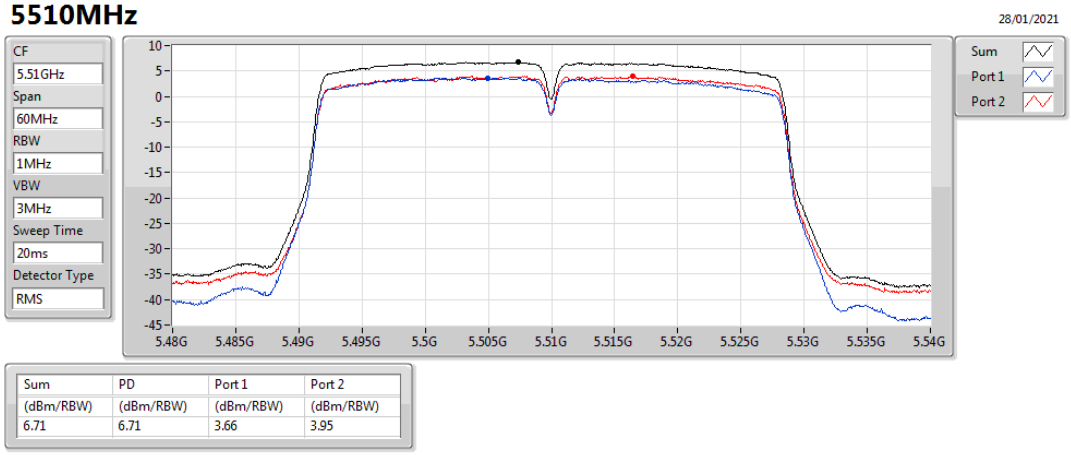
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.92	13.92	10.52	11.55

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

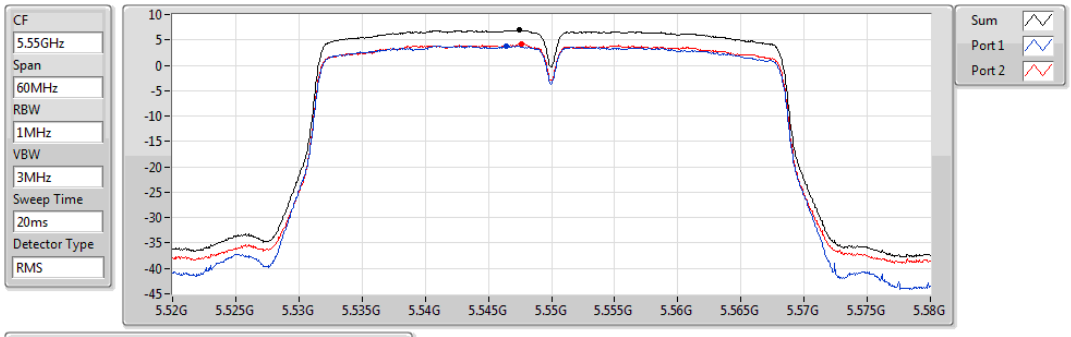
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.71	6.71	3.66	3.95

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

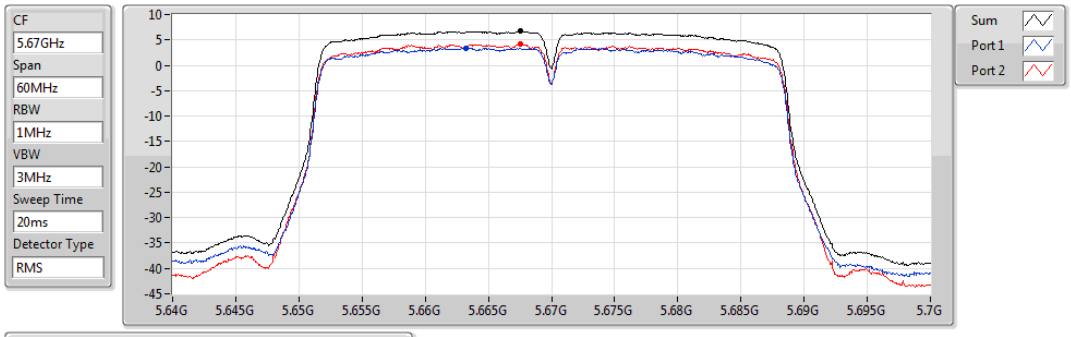
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.95	6.95	3.87	4.19

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

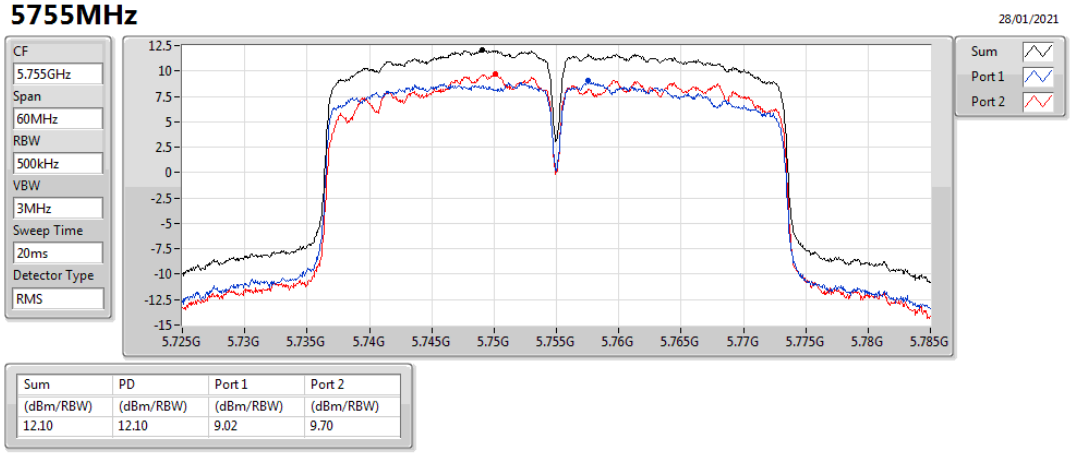
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.80	6.80	3.38	4.24

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

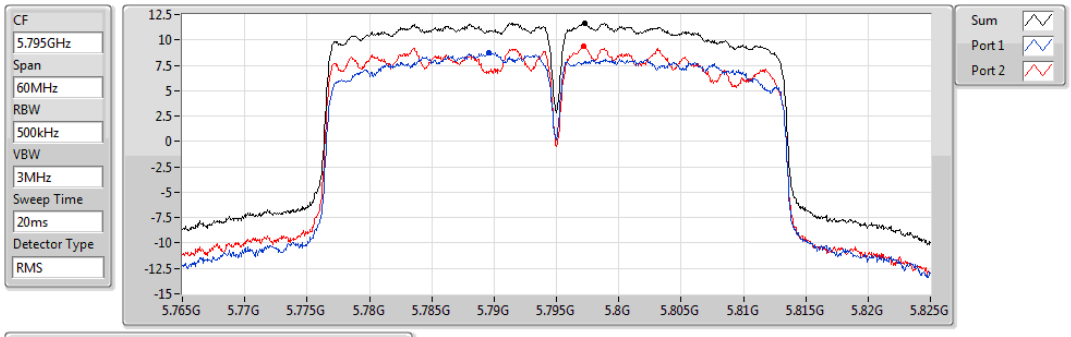
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.10	12.10	9.02	9.70

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

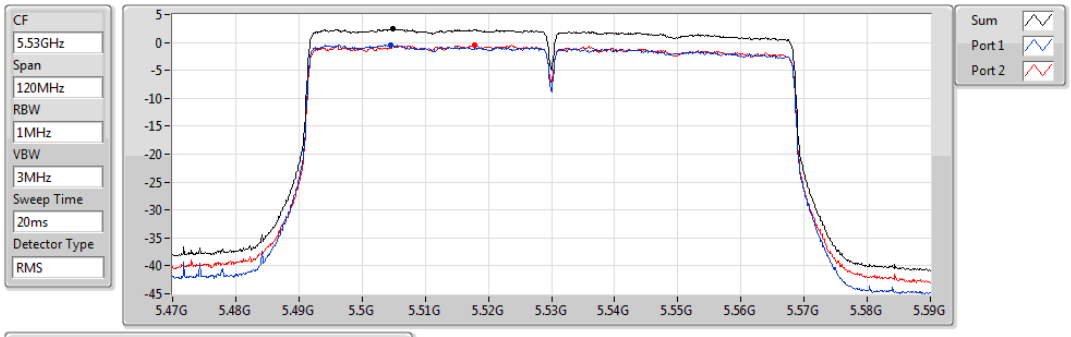
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.66	11.66	8.76	9.35

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

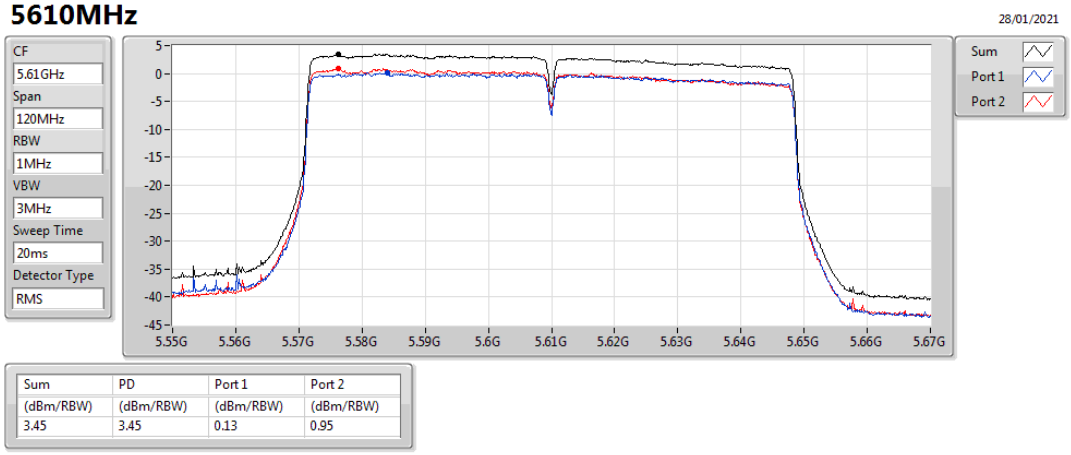
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.49	2.49	-0.47	-0.44

802.11ac VHT80-BF_Nss1,(MCS0)_2TX **PSD**

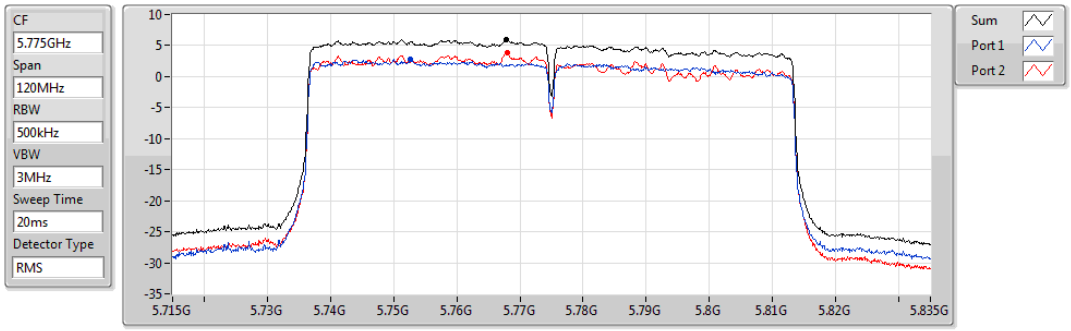
5610MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.45	3.45	0.13	0.95

802.11ac VHT80-BF_Nss1,(MCS0)_2TX **PSD**

5775MHz



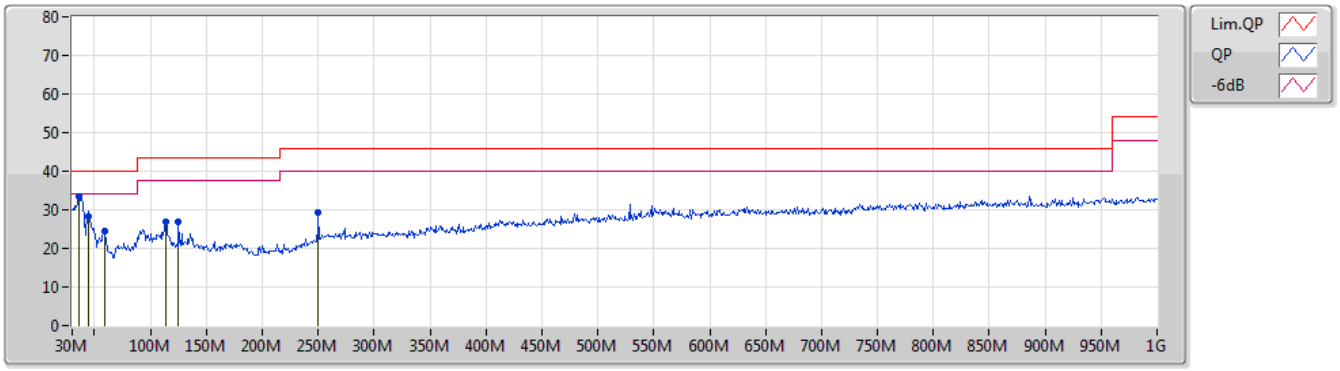
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.91	5.91	2.77	3.82

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	PK	35.82M	33.54	40.00	-6.46	Vertical

Mode 3

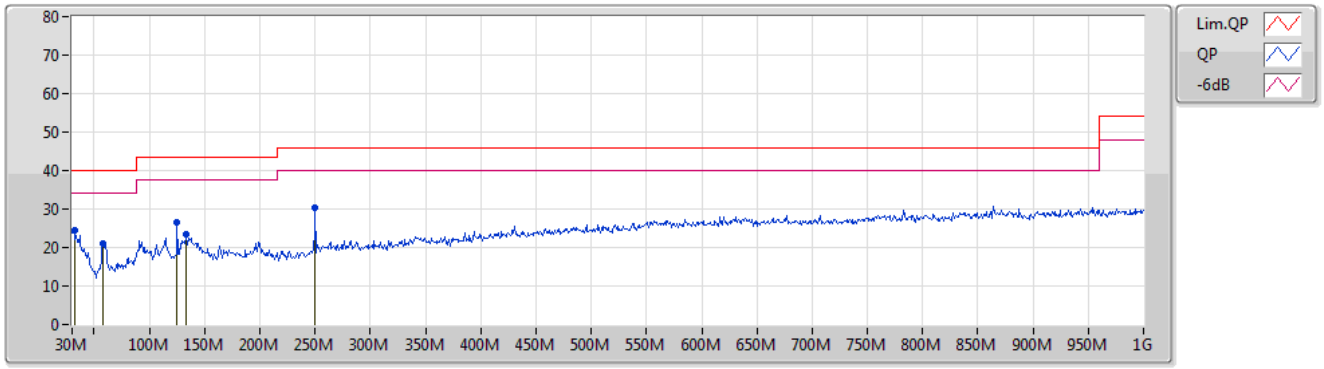
06/02/2021



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)
PK	35.82M	33.54	40.00	-6.46	-6.92	3	Vertical	360	1.25	"Worst"	40.46	21.34	0.22	28.48
PK	44.55M	28.30	40.00	-11.70	-11.12	3	Vertical	360	1.25	-	39.42	16.97	0.39	28.48
PK	59.1M	24.57	40.00	-15.43	-15.33	3	Vertical	278	1.00	-	39.90	12.67	0.48	28.48
PK	113.42M	26.91	43.50	-16.59	-9.77	3	Vertical	210	1.00	-	36.68	17.78	0.83	28.38
PK	125.06M	26.86	43.50	-16.64	-9.48	3	Vertical	154	1.00	-	36.34	17.91	0.95	28.34
PK	250.19M	29.40	46.00	-16.60	-7.83	3	Vertical	167	2.00	-	37.23	18.46	1.50	27.79

Mode 3

06/02/2021



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)
PK	31.94M	24.61	40.00	-15.39	-4.86	3	Horizontal	352	2.00	"Worst"	29.47	23.43	0.20	28.49
PK	58.13M	21.20	40.00	-18.80	-15.37	3	Horizontal	292	2.00	-	36.57	12.65	0.46	28.48
PK	125.06M	26.44	43.50	-17.06	-9.48	3	Horizontal	112	2.00	-	35.92	17.91	0.95	28.34
PK	133.79M	23.47	43.50	-20.03	-9.72	3	Horizontal	272	2.00	-	33.19	17.55	1.04	28.31
PK	250.19M	30.22	46.00	-15.78	-7.83	3	Horizontal	109	1.00	-	38.05	18.46	1.50	27.79
PK	250.19M	30.22	46.00	-15.78	-7.83	3	Horizontal	109	1.00	-	38.05	18.46	1.50	27.79

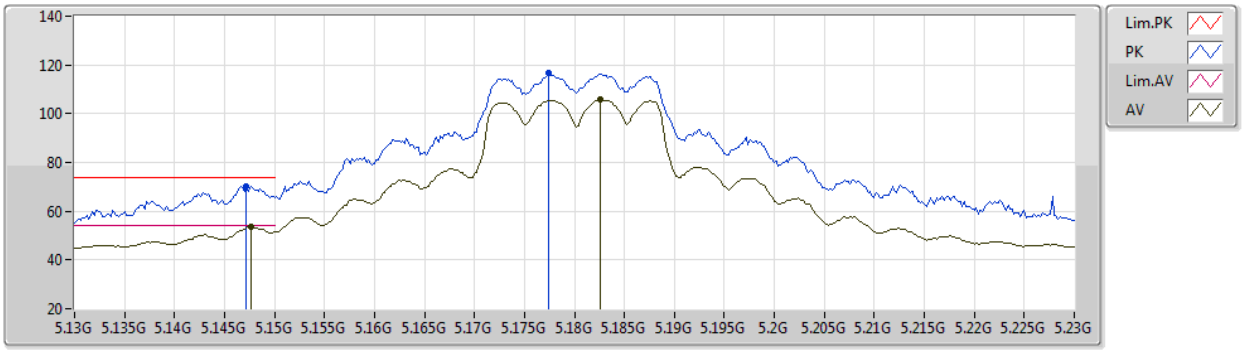
For 5GHz Band 1 and Band 2:
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	Pass	AV	5.35G	53.94	54.00	-0.06	3	Vertical	233	2.35	-

802.11a-BF_Nss1,(6Mbps)_2TX

14/01/2021

5180MHz_TX



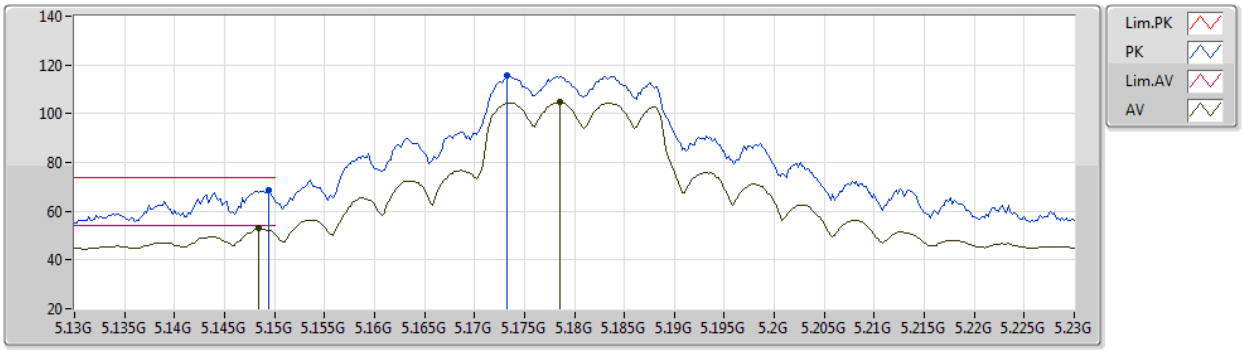
EUT Z_2TX
Setting 21.5
02-B-R-5-10

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	5.1472G	70.41	74.00	-3.59	63.66	3	Vertical	238	2.25	-	33.49	4.99	31.73
AV	5.1476G	53.62	54.00	-0.38	46.85	3	Vertical	238	2.25	-	33.50	5.00	31.73
PK	5.1774G	116.56	Inf	-Inf	109.72	3	Vertical	238	2.25	-	33.50	5.05	31.71
AV	5.1826G	105.80	Inf	-Inf	98.93	3	Vertical	238	2.25	-	33.50	5.07	31.70

802.11a-BF_Nss1,(6Mbps)_2TX

5180MHz_TX

14/01/2021



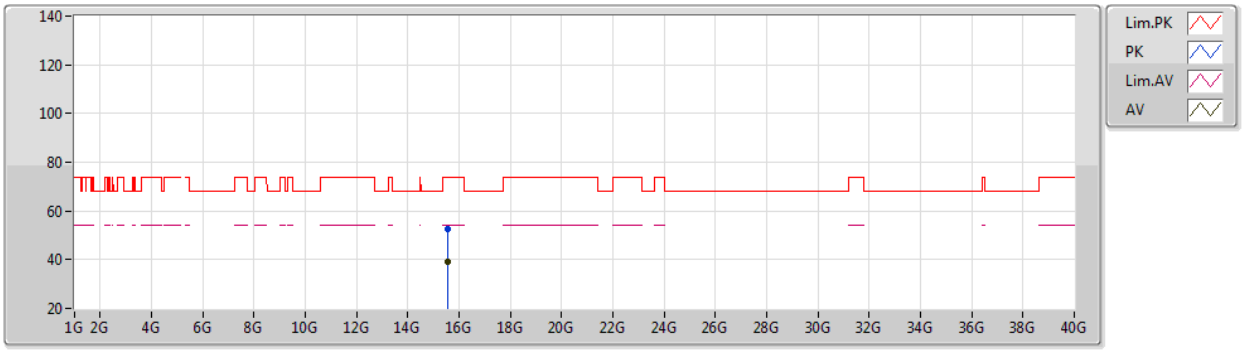
EUT Z_2TX
Setting 21.5
02-B-R-5-10

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	5.1494G	68.69	74.00	-5.31	61.92	3	Horizontal	163	2.31	-	33.50	5.00	31.73
AV	5.1484G	52.93	54.00	-1.07	46.16	3	Horizontal	163	2.31	-	33.50	5.00	31.73
PK	5.1732G	115.46	Inf	-Inf	108.62	3	Horizontal	163	2.31	-	33.50	5.05	31.71
AV	5.1786G	104.58	Inf	-Inf	97.73	3	Horizontal	163	2.31	-	33.50	5.06	31.71

802.11a-BF_Nss1,(6Mbps)_2TX

14/01/2021

5180MHz_TX



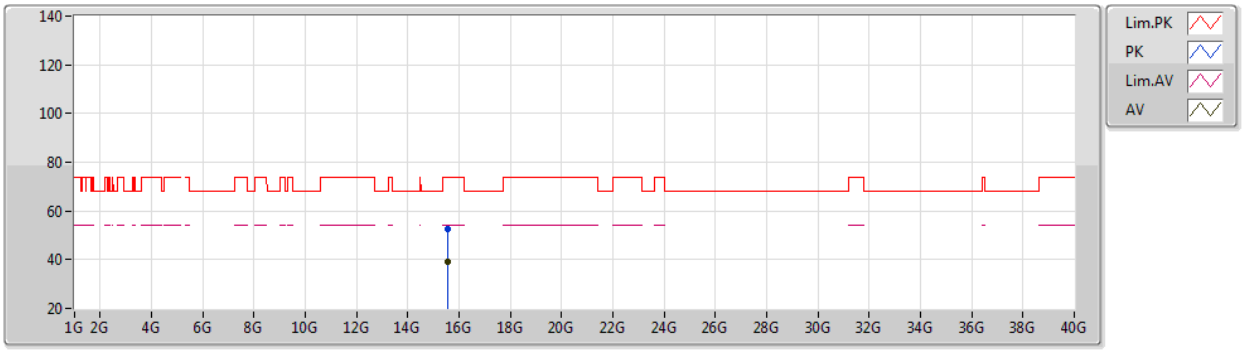
EUT Z_2TX
Setting 21.5
02-B-R-5

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	15.54532G	52.84	74.00	-21.16	39.02	3	Vertical	314	1.80	-	37.62	9.04	32.84
AV	15.54852G	39.25	54.00	-14.75	25.44	3	Vertical	314	1.80	-	37.61	9.04	32.84

802.11a-BF_Nss1,(6Mbps)_2TX

14/01/2021

5180MHz_TX



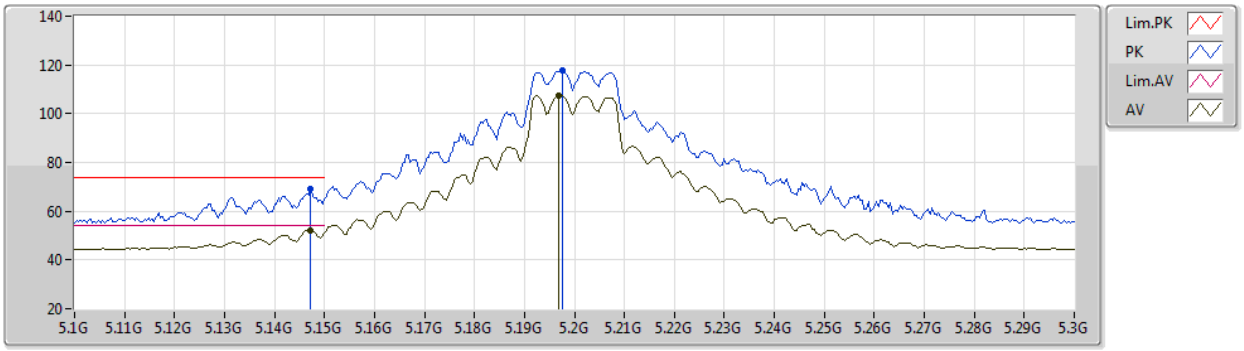
EUT Z_2TX
Setting 21.5
02-B-R-5

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	15.54596G	52.56	74.00	-21.44	38.74	3	Horizontal	139	2.71	-	37.62	9.04	32.84
AV	15.546G	39.06	54.00	-14.94	25.24	3	Horizontal	139	2.71	-	37.62	9.04	32.84

802.11a-BF_Nss1,(6Mbps)_2TX

5200MHz_TX

14/01/2021



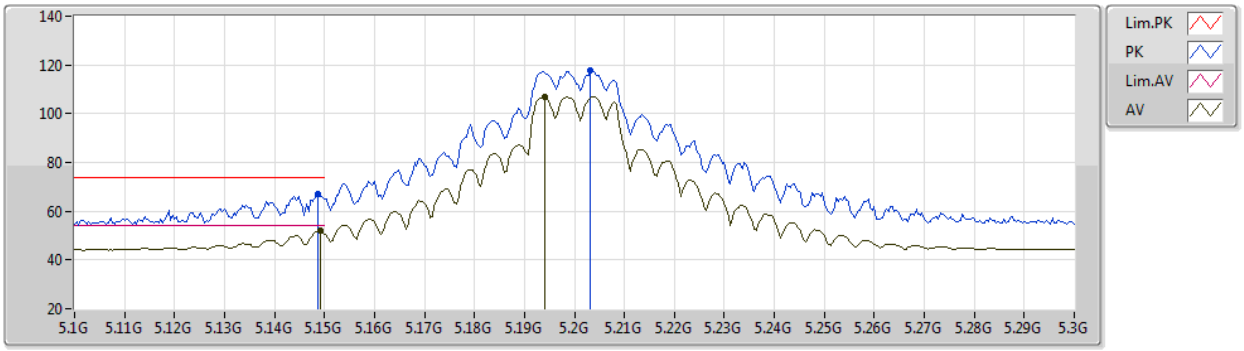
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.1472G	69.06	74.00	-4.94	62.31	3	Vertical	235	2.59	-	33.49	4.99	31.73
AV	5.1472G	52.19	54.00	-1.81	45.44	3	Vertical	235	2.59	-	33.49	4.99	31.73
PK	5.1976G	117.56	Inf	-Inf	110.65	3	Vertical	235	2.59	-	33.50	5.10	31.69
AV	5.1968G	107.59	Inf	-Inf	100.69	3	Vertical	235	2.59	-	33.50	5.09	31.69

802.11a-BF_Nss1,(6Mbps)_2TX

5200MHz_TX

14/01/2021



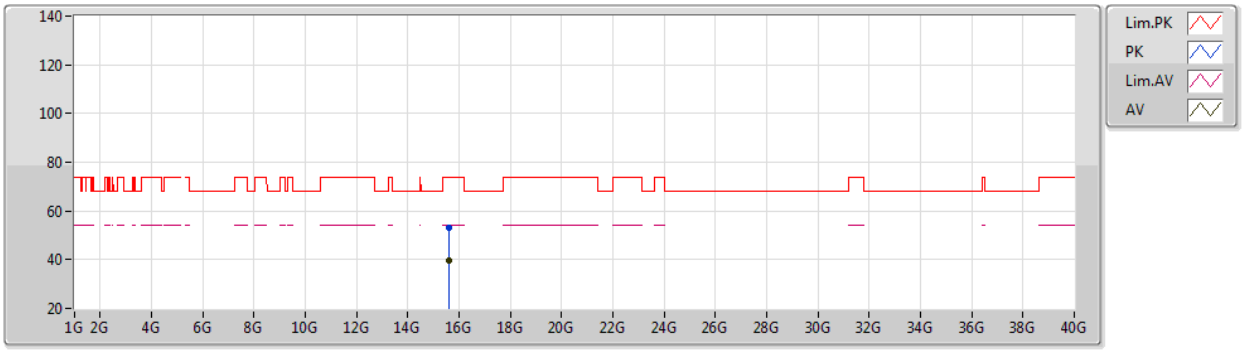
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.1488G	67.00	74.00	-7.00	60.23	3	Horizontal	165	2.27	-	33.50	5.00	31.73
AV	5.1492G	51.89	54.00	-2.11	45.12	3	Horizontal	165	2.27	-	33.50	5.00	31.73
PK	5.2032G	117.74	Inf	-Inf	110.82	3	Horizontal	165	2.27	-	33.51	5.10	31.69
AV	5.194G	106.93	Inf	-Inf	100.04	3	Horizontal	165	2.27	-	33.50	5.09	31.70

802.11a-BF_Nss1,(6Mbps)_2TX

5200MHz_TX

14/01/2021



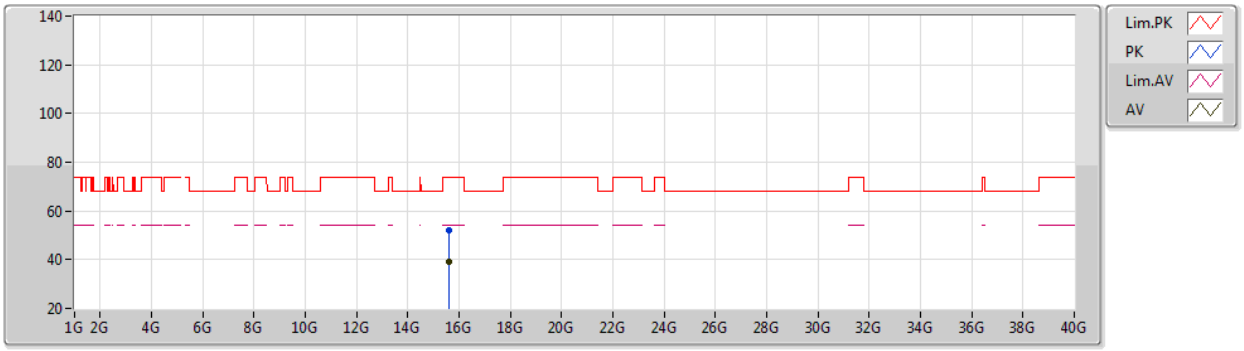
EUT Z_2TX
Setting 26
02-B-R-5

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	15.6052G	53.32	74.00	-20.68	39.70	3	Vertical	179	2.06	-	37.41	9.06	32.85
AV	15.59996G	39.65	54.00	-14.35	26.04	3	Vertical	179	2.06	-	37.40	9.06	32.85

802.11a-BF_Nss1,(6Mbps)_2TX

5200MHz_TX

14/01/2021



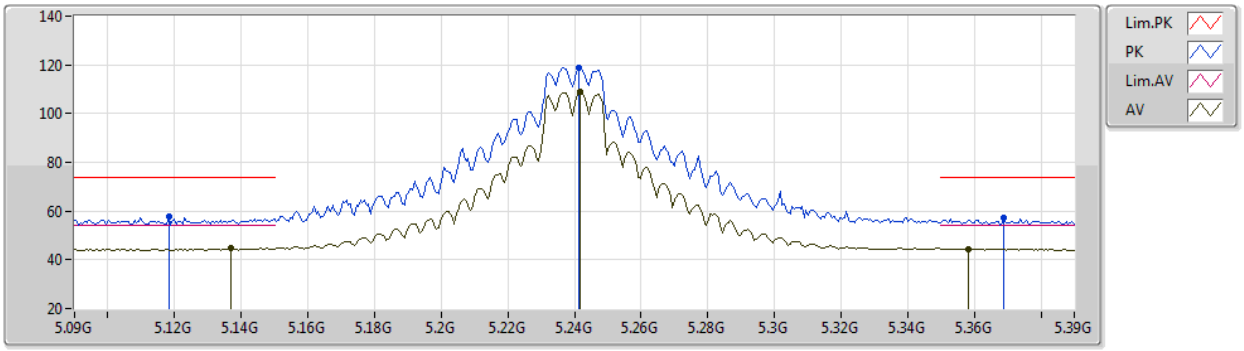
EUT Z_2TX
Setting 26
02-B-R-5

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	15.6076G	52.31	74.00	-21.69	38.69	3	Horizontal	301	1.80	-	37.41	9.06	32.85
AV	15.60416G	39.04	54.00	-14.96	25.43	3	Horizontal	301	1.80	-	37.40	9.06	32.85

802.11a-BF_Nss1,(6Mbps)_2TX

5240MHz_TX

14/01/2021



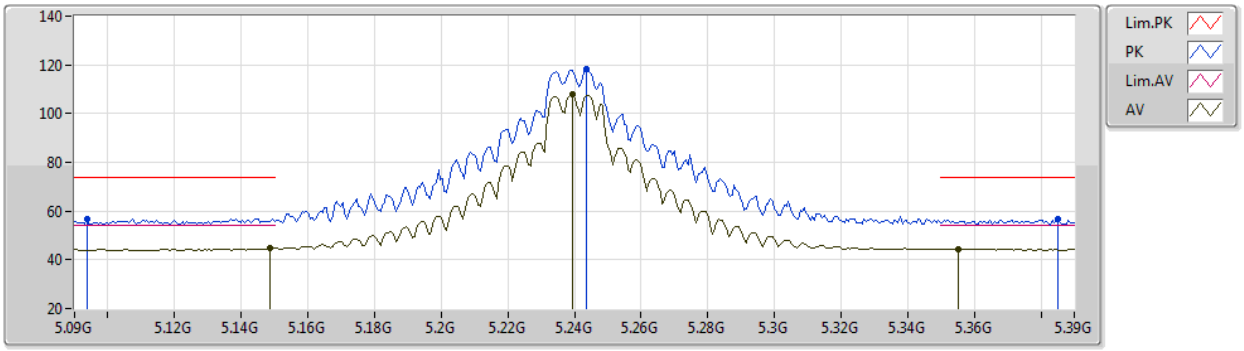
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.1182G	57.88	74.00	-16.12	51.25	3	Vertical	237	2.65	-	33.44	4.94	31.75
AV	5.1368G	44.60	54.00	-9.40	37.90	3	Vertical	237	2.65	-	33.47	4.97	31.74
PK	5.2412G	118.86	Inf	-Inf	111.86	3	Vertical	237	2.65	-	33.58	5.08	31.66
AV	5.2418G	108.76	Inf	-Inf	101.76	3	Vertical	237	2.65	-	33.58	5.08	31.66
PK	5.369G	57.22	74.00	-16.78	49.97	3	Vertical	237	2.65	-	33.80	5.02	31.57
AV	5.3582G	44.47	54.00	-9.53	37.22	3	Vertical	237	2.65	-	33.80	5.02	31.57

802.11a-BF_Nss1,(6Mbps)_2TX

5240MHz_TX

14/01/2021



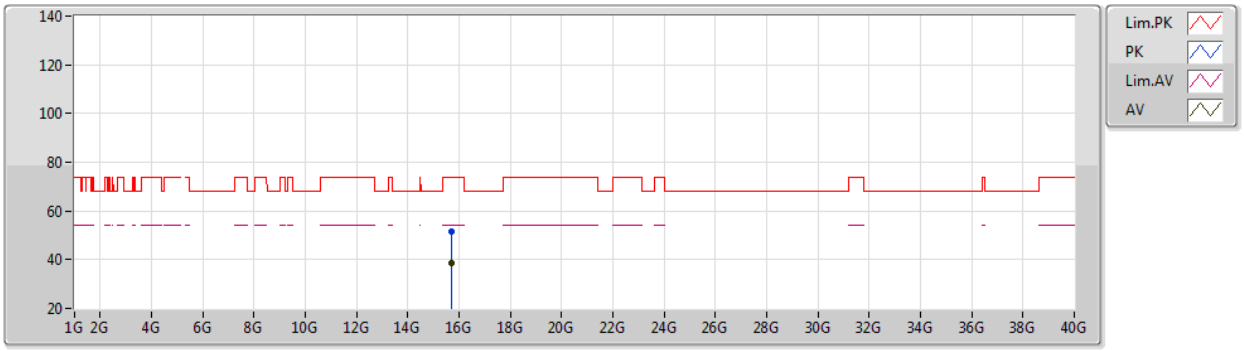
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.0936G	56.75	74.00	-17.25	50.24	3	Horizontal	168	2.33	-	33.39	4.89	31.77
AV	5.1488G	44.80	54.00	-9.20	38.03	3	Horizontal	168	2.33	-	33.50	5.00	31.73
PK	5.2436G	118.38	Inf	-Inf	111.37	3	Horizontal	168	2.33	-	33.59	5.08	31.66
AV	5.2394G	107.68	Inf	-Inf	100.68	3	Horizontal	168	2.33	-	33.58	5.08	31.66
PK	5.3852G	56.53	74.00	-17.47	49.27	3	Horizontal	168	2.33	-	33.80	5.01	31.55
AV	5.3552G	44.47	54.00	-9.53	37.23	3	Horizontal	168	2.33	-	33.80	5.02	31.58

802.11a-BF_Nss1,(6Mbps)_2TX

5240MHz_TX

14/01/2021



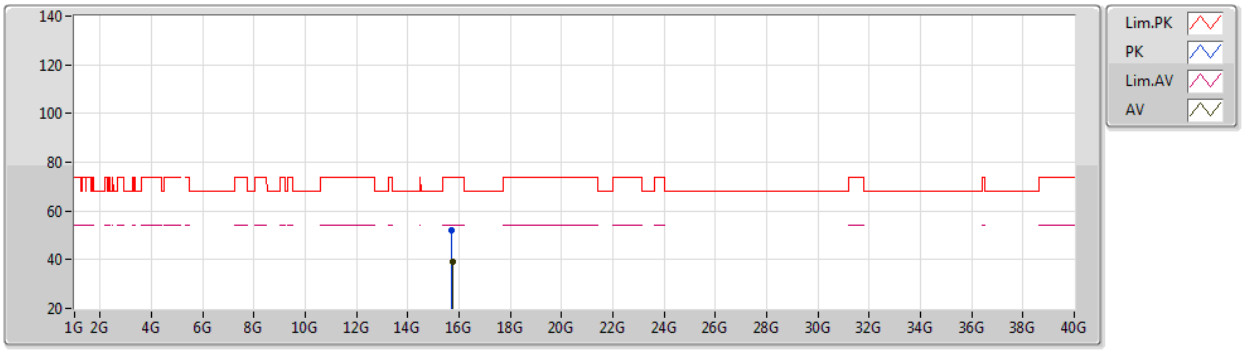
EUT Z_2TX
Setting 26
02-B-R-5

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	15.71286G	51.65	74.00	-22.35	37.94	3	Vertical	6	1.16	-	37.47	9.10	32.86
AV	15.71256G	38.86	54.00	-15.14	25.15	3	Vertical	6	1.16	-	37.47	9.10	32.86

802.11a-BF_Nss1,(6Mbps)_2TX

5240MHz_TX

14/01/2021



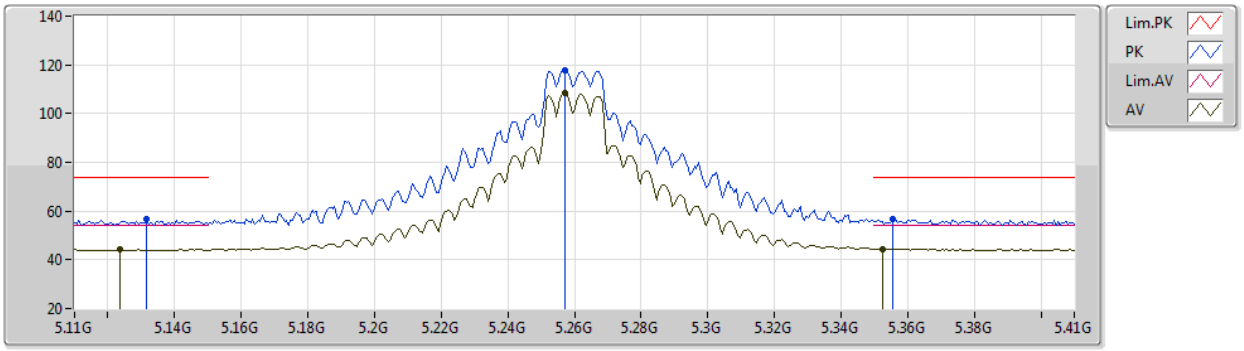
EUT Z_2TX
Setting 26
02-B-R-5

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	15.72354G	52.14	74.00	-21.86	38.45	3	Horizontal	3	1.80	-	37.45	9.10	32.86
AV	15.73236G	39.02	54.00	-14.98	25.33	3	Horizontal	3	1.80	-	37.44	9.11	32.86

802.11a-BF_Nss1,(6Mbps)_2TX

5260MHz_TX

14/01/2021



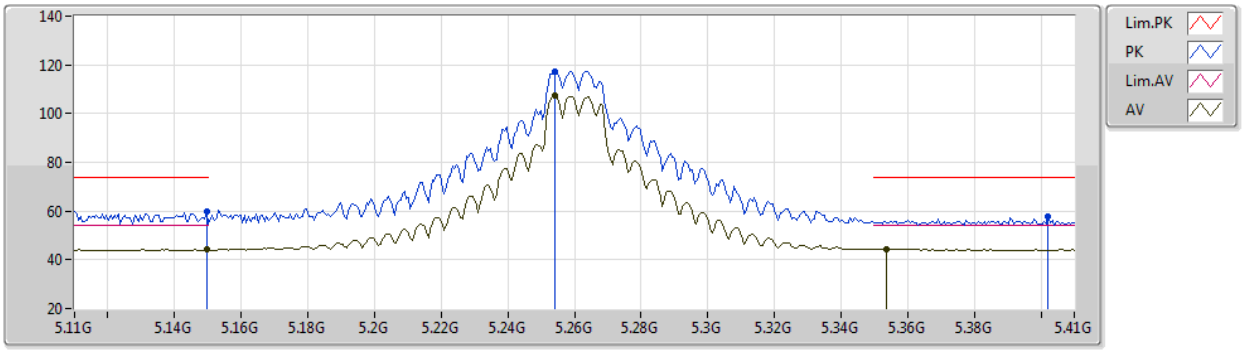
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.1316G	56.71	74.00	-17.29	50.03	3	Vertical	235	2.30	-	33.46	4.96	31.74
AV	5.1238G	44.16	54.00	-9.84	37.51	3	Vertical	235	2.30	-	33.45	4.95	31.75
PK	5.257G	117.89	Inf	-Inf	110.86	3	Vertical	235	2.30	-	33.61	5.07	31.65
AV	5.257G	108.37	Inf	-Inf	101.34	3	Vertical	235	2.30	-	33.61	5.07	31.65
PK	5.3554G	56.73	74.00	-17.27	49.49	3	Vertical	235	2.30	-	33.80	5.02	31.58
AV	5.3524G	44.52	54.00	-9.48	37.28	3	Vertical	235	2.30	-	33.80	5.02	31.58

802.11a-BF_Nss1,(6Mbps)_2TX

5260MHz_TX

14/01/2021



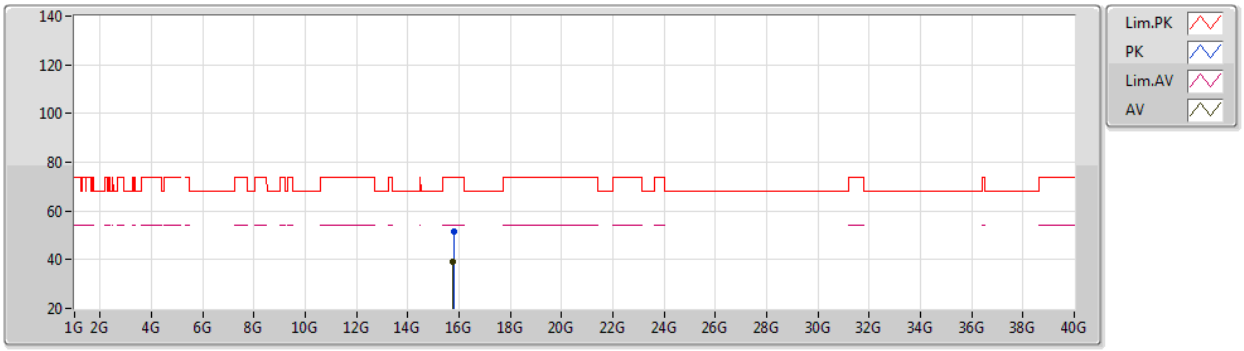
EUT Z_2TX
Setting 26
02-B-R-5-10

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	59.90	74.00	-14.10	53.13	3	Horizontal	167	2.35	-	33.50	5.00	31.73
AV	5.1496G	44.13	54.00	-9.87	37.36	3	Horizontal	167	2.35	-	33.50	5.00	31.73
PK	5.254G	117.32	Inf	-Inf	110.29	3	Horizontal	167	2.35	-	33.61	5.07	31.65
AV	5.254G	107.37	Inf	-Inf	100.34	3	Horizontal	167	2.35	-	33.61	5.07	31.65
PK	5.4022G	57.55	74.00	-16.45	50.28	3	Horizontal	167	2.35	-	33.81	5.00	31.54
AV	5.3536G	44.51	54.00	-9.49	37.27	3	Horizontal	167	2.35	-	33.80	5.02	31.58

802.11a-BF_Nss1,(6Mbps)_2TX

5260MHz_TX

14/01/2021



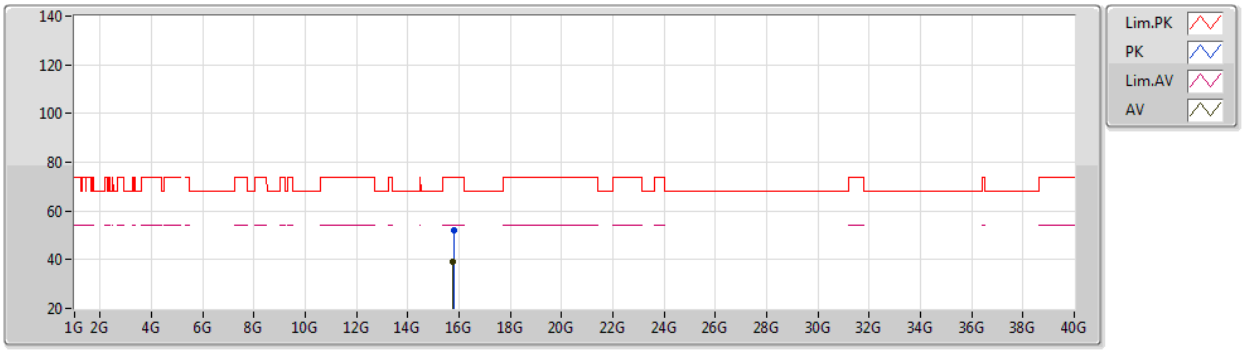
EUT Z_2TX
Setting 26
02-B-R-5

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	15.792G	51.79	74.00	-22.21	38.20	3	Vertical	293	2.06	-	37.32	9.13	32.86
AV	15.7695G	39.13	54.00	-14.87	25.51	3	Vertical	293	2.06	-	37.36	9.12	32.86

802.11a-BF_Nss1,(6Mbps)_2TX

5260MHz_TX

14/01/2021



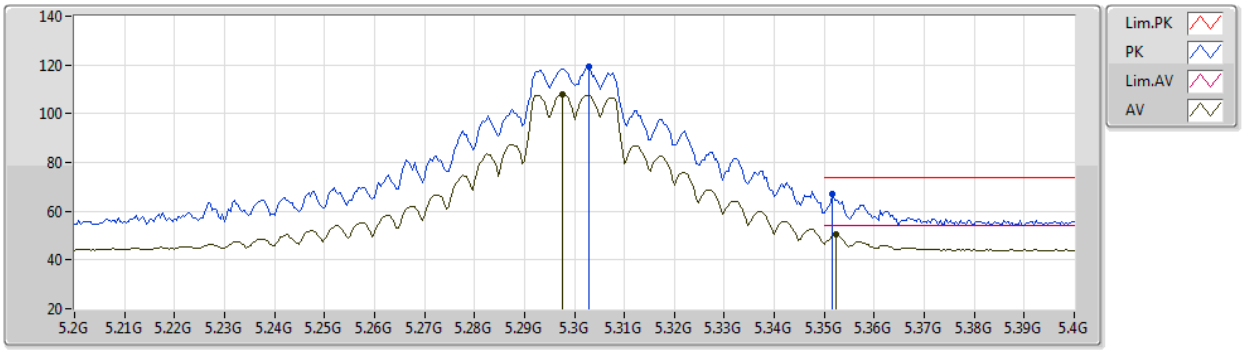
EUT Z_2TX
Setting 26
02-B-R-5

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	15.78168G	51.91	74.00	-22.09	38.31	3	Horizontal	15	2.05	-	37.34	9.12	32.86
AV	15.76506G	39.06	54.00	-14.94	25.43	3	Horizontal	15	2.05	-	37.37	9.12	32.86

802.11a-BF_Nss1,(6Mbps)_2TX

5300MHz_TX

14/01/2021



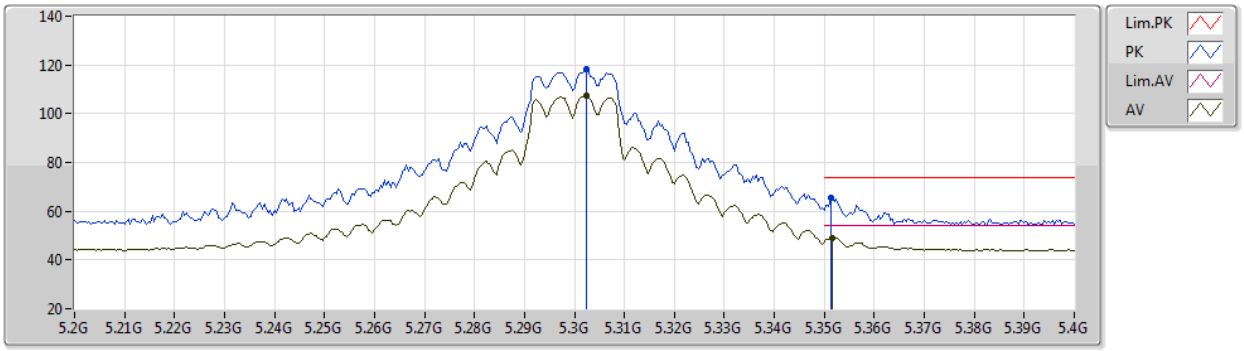
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.3028G	119.07	Inf	-Inf	111.93	3	Vertical	236	2.16	-	33.71	5.05	31.62
AV	5.2976G	108.03	Inf	-Inf	100.90	3	Vertical	236	2.16	-	33.70	5.05	31.62
PK	5.3516G	66.99	74.00	-7.01	59.75	3	Vertical	236	2.16	-	33.80	5.02	31.58
AV	5.3524G	50.42	54.00	-3.58	43.18	3	Vertical	236	2.16	-	33.80	5.02	31.58

802.11a-BF_Nss1,(6Mbps)_2TX

5300MHz_TX

14/01/2021



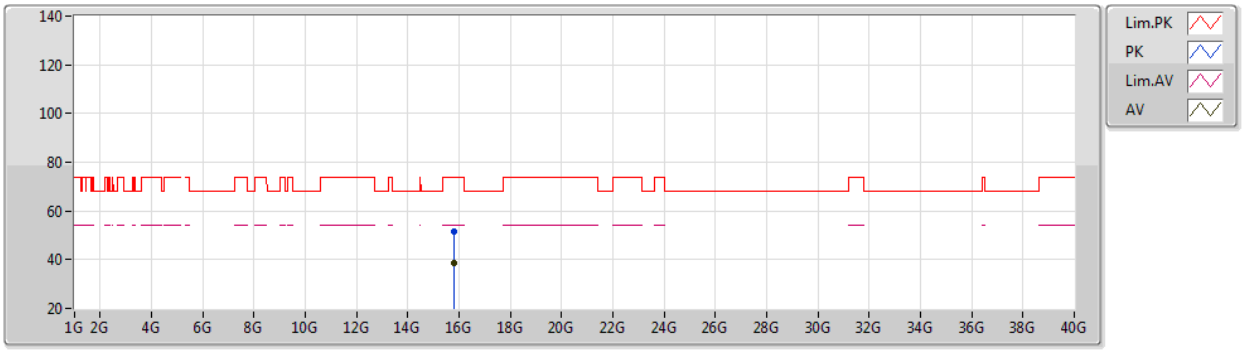
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.3024G	118.02	Inf	-Inf	110.89	3	Horizontal	280	2.65	-	33.70	5.05	31.62
AV	5.3024G	107.18	Inf	-Inf	100.05	3	Horizontal	280	2.65	-	33.70	5.05	31.62
PK	5.3512G	65.62	74.00	-8.38	58.38	3	Horizontal	280	2.65	-	33.80	5.02	31.58
AV	5.3516G	49.02	54.00	-4.98	41.78	3	Horizontal	280	2.65	-	33.80	5.02	31.58

802.11a-BF_Nss1,(6Mbps)_2TX

5300MHz_TX

14/01/2021



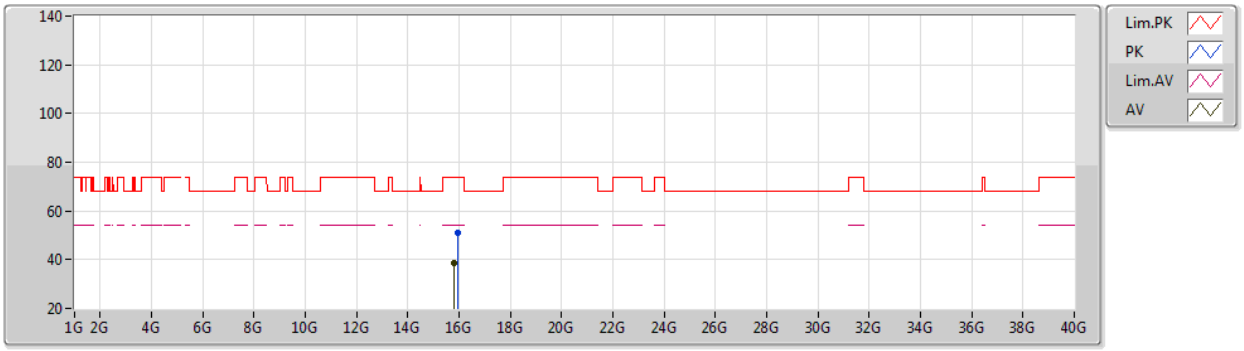
EUT Z_2TX
Setting 26
02-B-R-5

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	15.8212G	51.51	74.00	-22.49	37.94	3	Vertical	317	1.97	-	37.30	9.14	32.87
AV	15.8204G	38.76	54.00	-15.24	25.19	3	Vertical	317	1.97	-	37.30	9.14	32.87

802.11a-BF_Nss1,(6Mbps)_2TX

5300MHz_TX

14/01/2021



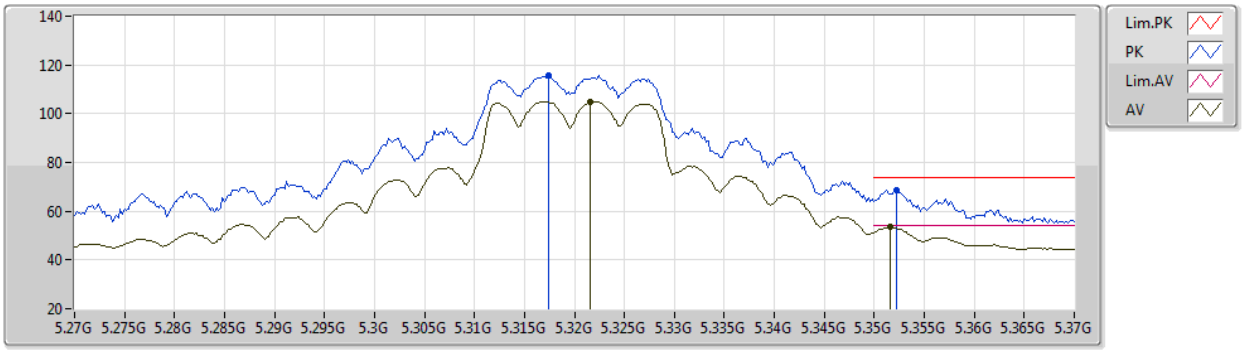
EUT Z_2TX
Setting 26
02-B-R-5

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	15.9392G	51.07	74.00	-22.93	37.43	3	Horizontal	152	2.02	-	37.34	9.18	32.88
AV	15.8152G	38.77	54.00	-15.23	25.20	3	Horizontal	152	2.02	-	37.30	9.14	32.87

802.11a-BF_Nss1,(6Mbps)_2TX

5320MHz_TX

14/01/2021



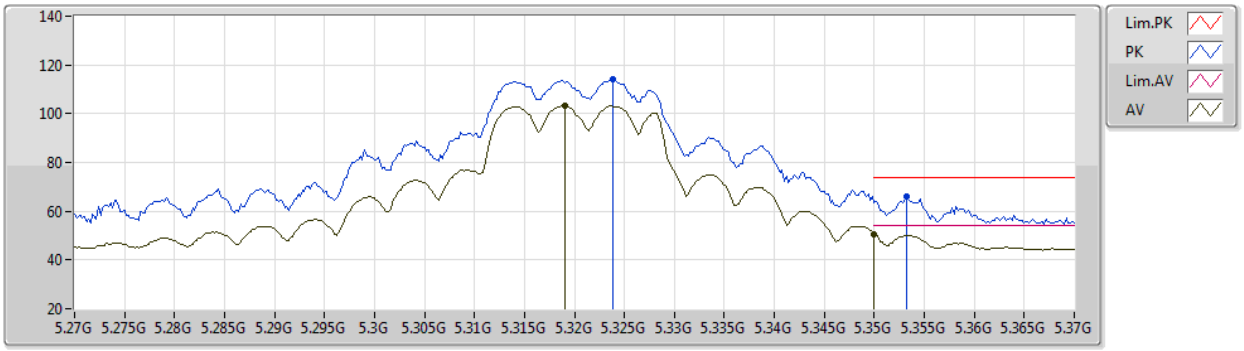
EUT Z_2TX
Setting 22
02-B-R-5-10

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	5.3174G	115.74	Inf	-Inf	108.58	3	Vertical	236	2.59	-	33.73	5.04	31.61
AV	5.3216G	105.02	Inf	-Inf	97.84	3	Vertical	236	2.59	-	33.74	5.04	31.60
PK	5.3522G	68.72	74.00	-5.28	61.48	3	Vertical	236	2.59	-	33.80	5.02	31.58
AV	5.3516G	53.60	54.00	-0.40	46.36	3	Vertical	236	2.59	-	33.80	5.02	31.58

802.11a-BF_Nss1,(6Mbps)_2TX

5320MHz_TX

14/01/2021



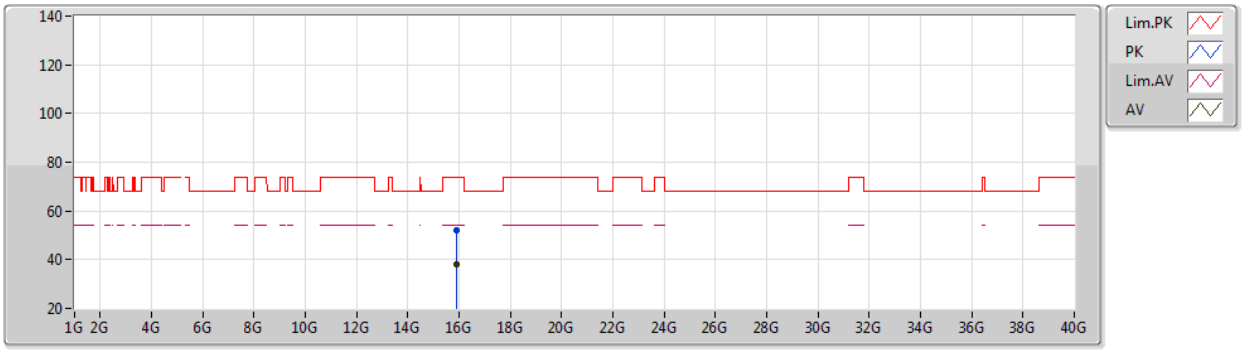
EUT Z_2TX
Setting 22
02-B-R-5-10

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	5.3238G	114.34	Inf	-Inf	107.15	3	Horizontal	168	2.22	-	33.75	5.04	31.60
AV	5.319G	103.43	Inf	-Inf	96.25	3	Horizontal	168	2.22	-	33.74	5.04	31.60
PK	5.3532G	65.89	74.00	-8.11	58.65	3	Horizontal	168	2.22	-	33.80	5.02	31.58
AV	5.35G	50.73	54.00	-3.27	43.48	3	Horizontal	168	2.22	-	33.80	5.03	31.58

802.11a-BF_Nss1,(6Mbps)_2TX

5320MHz_TX

14/01/2021



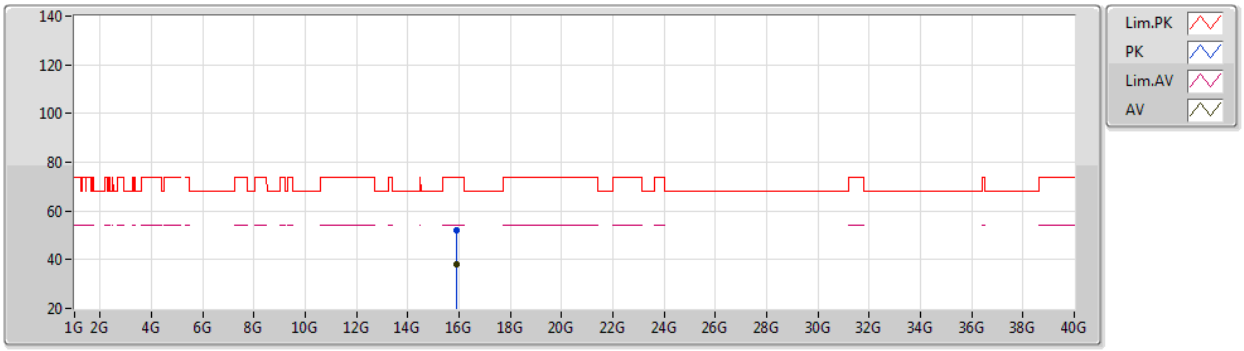
EUT Z_2TX
Setting 22
02-B-R-5

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	15.897G	51.88	74.00	-22.12	38.29	3	Vertical	51	1.08	-	37.30	9.16	32.87
AV	15.90832G	38.22	54.00	-15.78	24.61	3	Vertical	51	1.08	-	37.31	9.17	32.87

802.11a-BF_Nss1,(6Mbps)_2TX

5320MHz_TX

14/01/2021



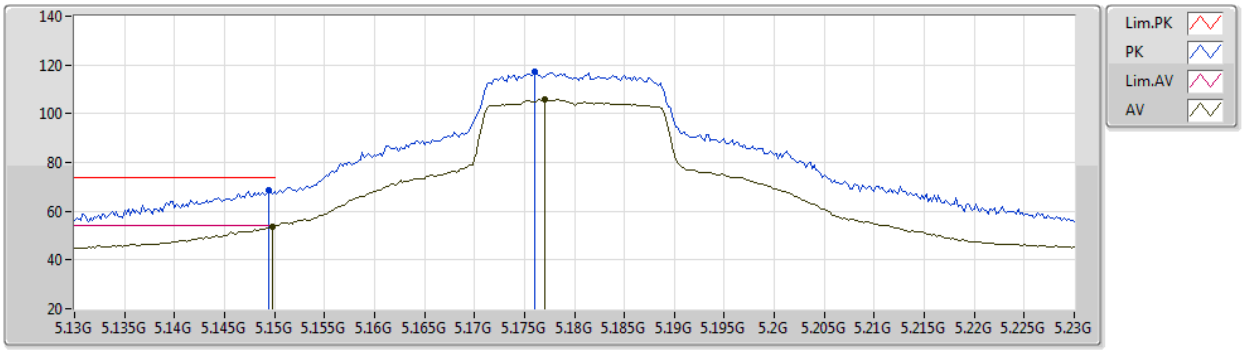
EUT Z_2TX
Setting 22
02-B-R-5

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	15.9024G	52.13	74.00	-21.87	38.53	3	Horizontal	307	1.54	-	37.30	9.17	32.87
AV	15.8918G	38.20	54.00	-15.80	24.61	3	Horizontal	307	1.54	-	37.30	9.16	32.87

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5180MHz_TX



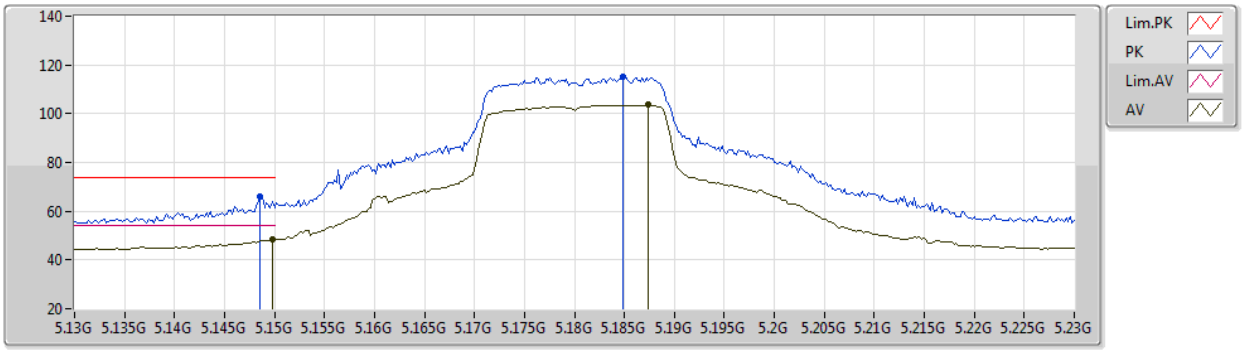
EUT Z_2TX
Setting 21.5
02-B-R-5-10

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	5.1494G	68.85	74.00	-5.15	62.08	3	Vertical	239	2.13	-	33.50	5.00	31.73
AV	5.1498G	53.84	54.00	-0.16	47.07	3	Vertical	239	2.13	-	33.50	5.00	31.73
PK	5.176G	117.12	Inf	-Inf	110.28	3	Vertical	239	2.13	-	33.50	5.05	31.71
AV	5.177G	105.96	Inf	-Inf	99.12	3	Vertical	239	2.13	-	33.50	5.05	31.71

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5180MHz_TX



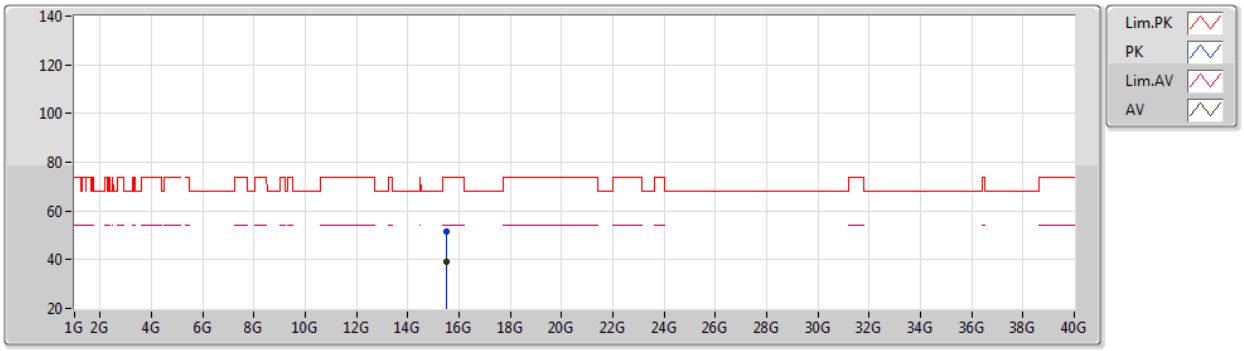
EUT Z_2TX
Setting 21.5
02-B-R-5-10

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	5.1486G	66.18	74.00	-7.82	59.41	3	Horizontal	169	2.27	-	33.50	5.00	31.73
AV	5.1498G	48.32	54.00	-5.68	41.55	3	Horizontal	169	2.27	-	33.50	5.00	31.73
PK	5.1848G	114.92	Inf	-Inf	108.05	3	Horizontal	169	2.27	-	33.50	5.07	31.70
AV	5.1874G	103.64	Inf	-Inf	96.77	3	Horizontal	169	2.27	-	33.50	5.07	31.70

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5180MHz_TX



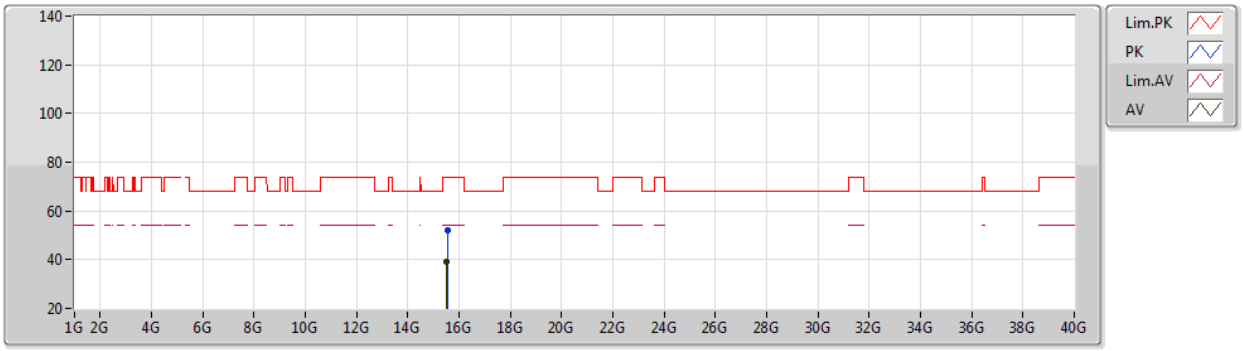
EUT Z_2TX
Setting 21.5
02-B-R-5

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	15.4982G	51.53	74.00	-22.47	37.54	3	Vertical	307	2.84	-	37.81	9.02	32.84
AV	15.4934G	39.02	54.00	-14.98	25.01	3	Vertical	307	2.84	-	37.83	9.02	32.84

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5180MHz_TX



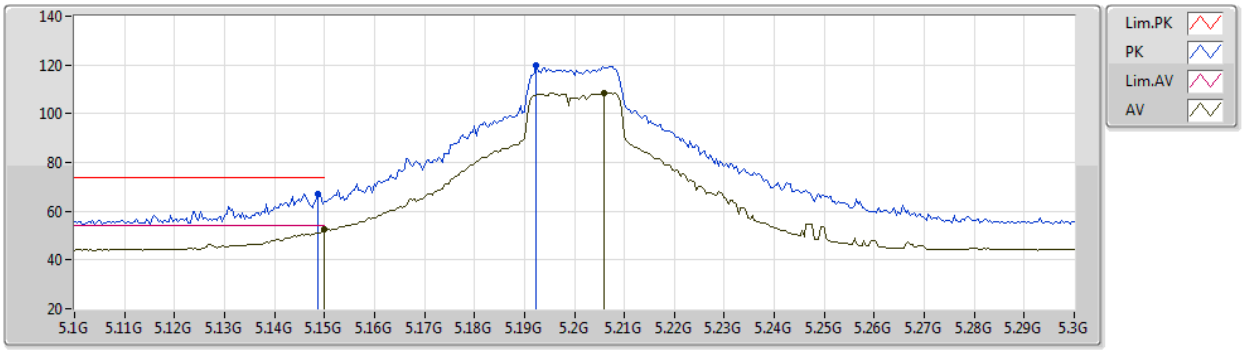
EUT Z_2TX
Setting 21.5
02-B-R-5

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	15.5346G	52.15	74.00	-21.85	38.29	3	Horizontal	321	1.27	-	37.66	9.04	32.84
AV	15.4978G	39.06	54.00	-14.94	25.07	3	Horizontal	321	1.27	-	37.81	9.02	32.84

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

14/01/2021



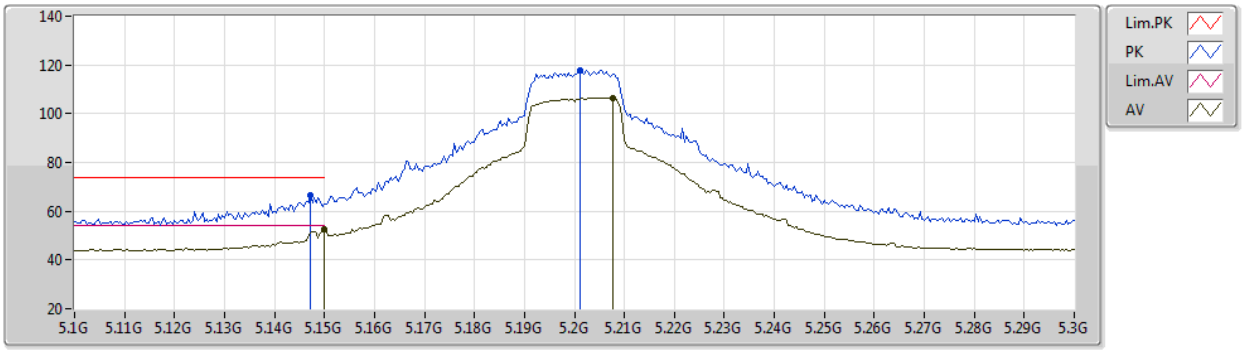
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.1488G	67.07	74.00	-6.93	60.30	3	Vertical	234	2.57	-	33.50	5.00	31.73
AV	5.15G	52.52	54.00	-1.48	45.75	3	Vertical	234	2.57	-	33.50	5.00	31.73
PK	5.1924G	119.76	Inf	-Inf	112.88	3	Vertical	234	2.57	-	33.50	5.08	31.70
AV	5.206G	108.65	Inf	-Inf	101.73	3	Vertical	234	2.57	-	33.51	5.10	31.69

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

14/01/2021



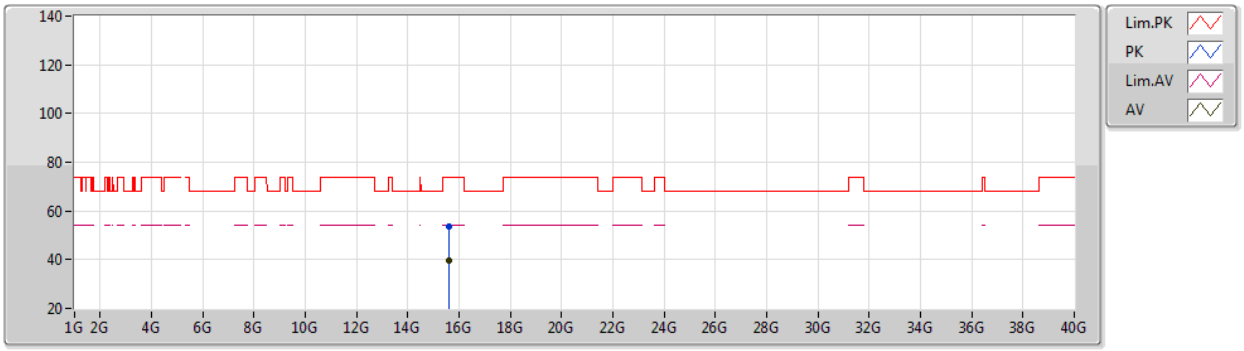
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.1472G	66.31	74.00	-7.69	59.56	3	Horizontal	273	2.74	-	33.49	4.99	31.73
AV	5.15G	52.43	54.00	-1.57	45.66	3	Horizontal	273	2.74	-	33.50	5.00	31.73
PK	5.2012G	117.72	Inf	-Inf	110.81	3	Horizontal	273	2.74	-	33.50	5.10	31.69
AV	5.2076G	106.63	Inf	-Inf	99.70	3	Horizontal	273	2.74	-	33.52	5.10	31.69

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

14/01/2021



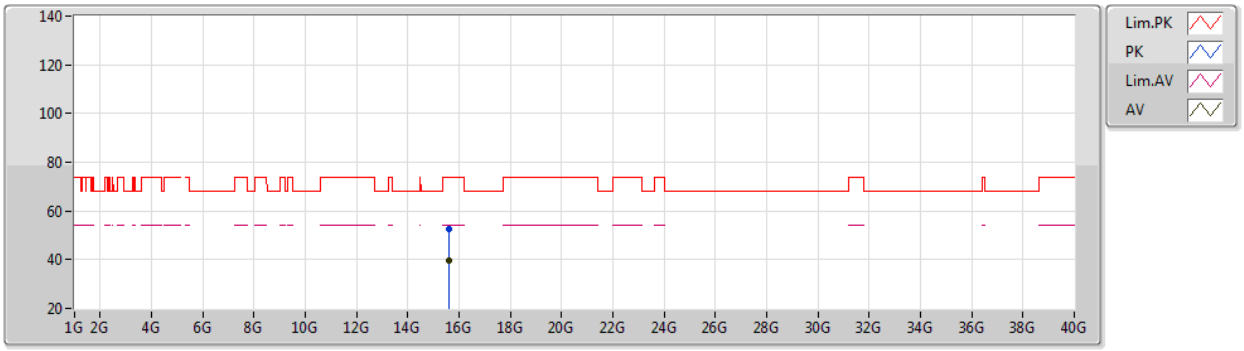
EUT Z_2TX
Setting 26
02-B-R-5

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	15.59862G	53.47	74.00	-20.53	39.85	3	Vertical	228	1.00	-	37.41	9.06	32.85
AV	15.59766G	39.89	54.00	-14.11	26.27	3	Vertical	228	1.00	-	37.41	9.06	32.85

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

14/01/2021



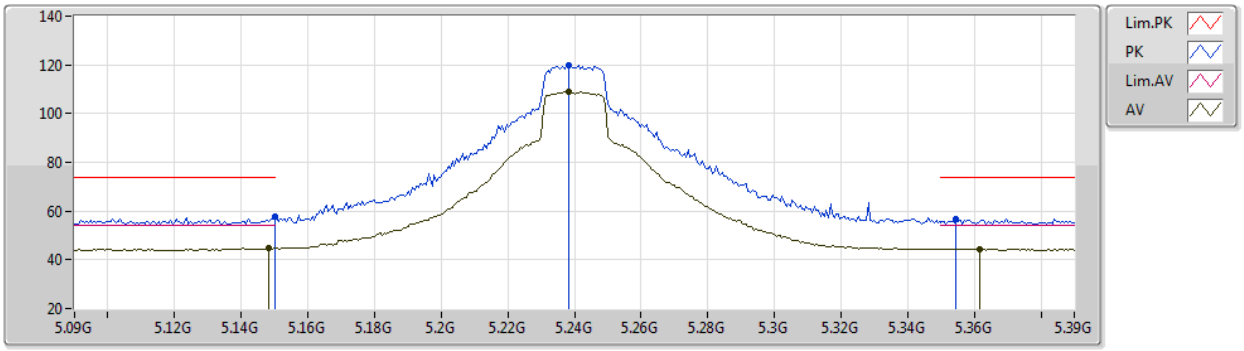
EUT Z_2TX
Setting 26
02-B-R-5

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	15.60108G	52.76	74.00	-21.24	39.15	3	Horizontal	199	2.11	-	37.40	9.06	32.85
AV	15.60024G	39.73	54.00	-14.27	26.12	3	Horizontal	199	2.11	-	37.40	9.06	32.85

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

14/01/2021



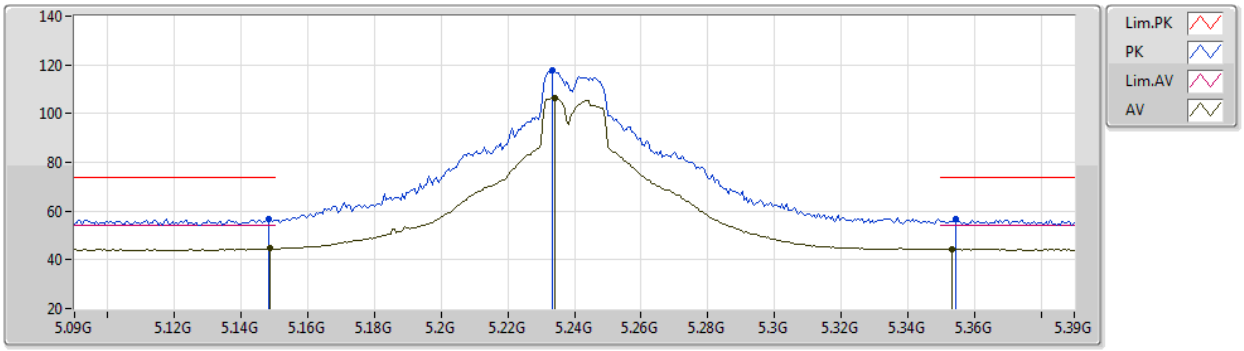
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.15G	57.64	74.00	-16.36	50.87	3	Vertical	235	2.29	-	33.50	5.00	31.73
AV	5.1482G	44.71	54.00	-9.29	37.94	3	Vertical	235	2.29	-	33.50	5.00	31.73
PK	5.2382G	119.90	Inf	-Inf	112.90	3	Vertical	235	2.29	-	33.58	5.08	31.66
AV	5.2382G	109.05	Inf	-Inf	102.05	3	Vertical	235	2.29	-	33.58	5.08	31.66
PK	5.3546G	56.54	74.00	-17.46	49.30	3	Vertical	235	2.29	-	33.80	5.02	31.58
AV	5.3618G	44.44	54.00	-9.56	37.19	3	Vertical	235	2.29	-	33.80	5.02	31.57

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5240MHz_TX



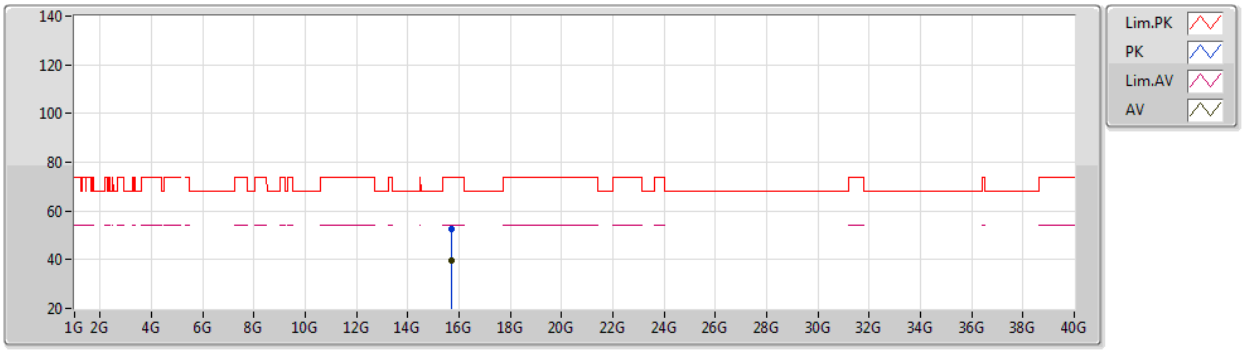
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.1482G	56.83	74.00	-17.17	50.06	3	Horizontal	157	2.48	-	33.50	5.00	31.73
AV	5.1488G	44.61	54.00	-9.39	37.84	3	Horizontal	157	2.48	-	33.50	5.00	31.73
PK	5.2334G	117.77	Inf	-Inf	110.79	3	Horizontal	157	2.48	-	33.57	5.08	31.67
AV	5.234G	106.39	Inf	-Inf	99.41	3	Horizontal	157	2.48	-	33.57	5.08	31.67
PK	5.3546G	56.54	74.00	-17.46	49.30	3	Horizontal	157	2.48	-	33.80	5.02	31.58
AV	5.3534G	44.43	54.00	-9.57	37.19	3	Horizontal	157	2.48	-	33.80	5.02	31.58

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

14/01/2021



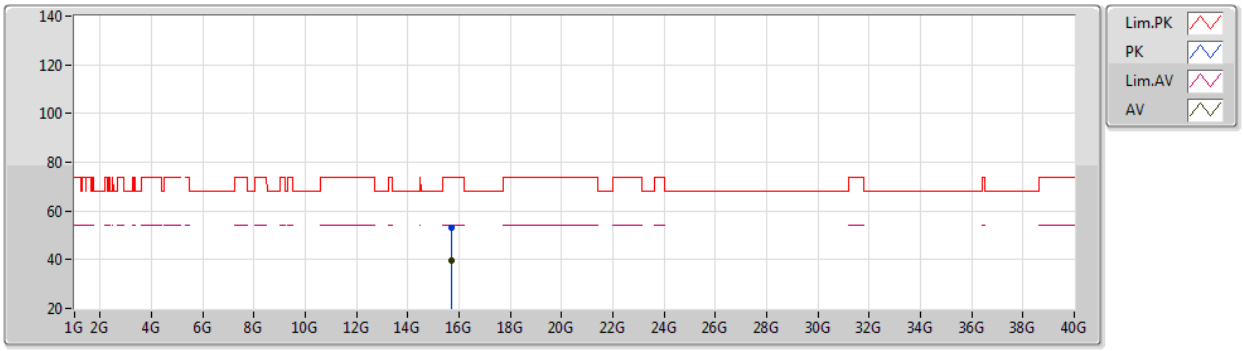
EUT Z_2TX
Setting 26
02-B-R-5

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	15.70614G	52.66	74.00	-21.34	38.93	3	Vertical	280	1.76	-	37.49	9.10	32.86
AV	15.7281G	39.68	54.00	-14.32	26.00	3	Vertical	280	1.76	-	37.44	9.10	32.86

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

14/01/2021



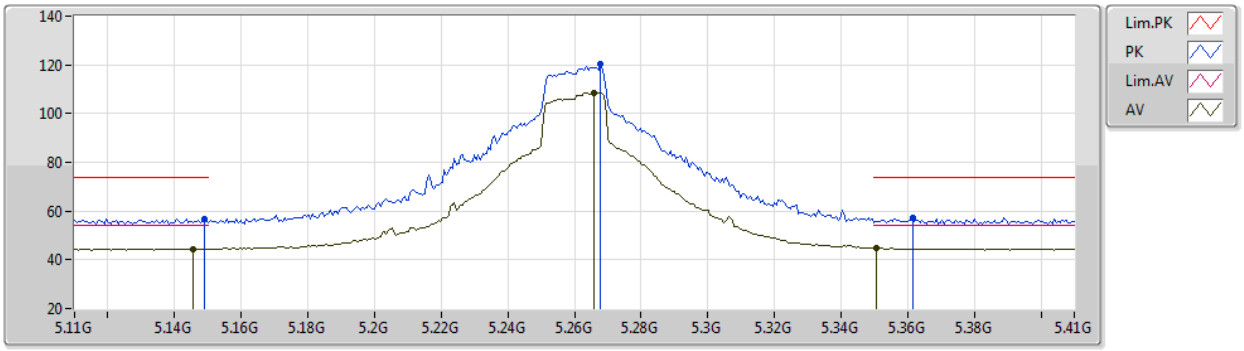
EUT Z_2TX
Setting 26
02-B-R-5

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	15.71292G	53.21	74.00	-20.79	39.50	3	Horizontal	177	2.61	-	37.47	9.10	32.86
AV	15.71052G	39.63	54.00	-14.37	25.91	3	Horizontal	177	2.61	-	37.48	9.10	32.86

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5260MHz_TX



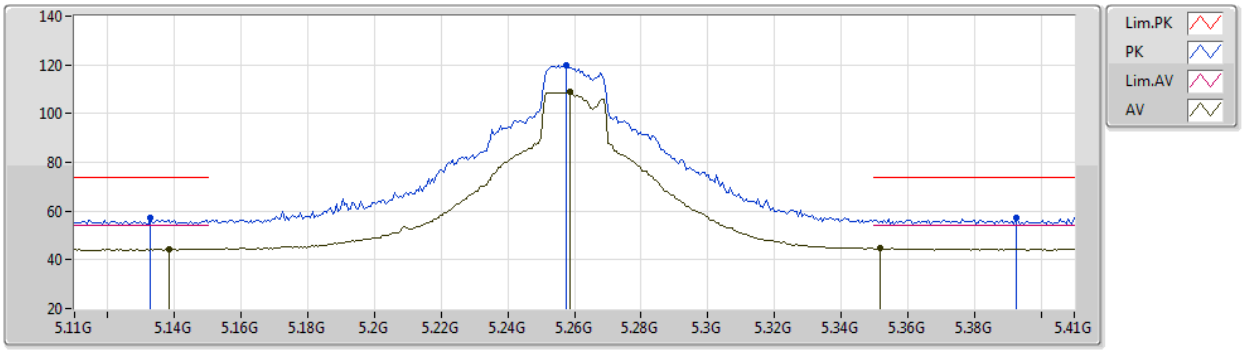
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.149G	56.90	74.00	-17.10	50.13	3	Vertical	231	2.36	-	33.50	5.00	31.73
AV	5.1454G	44.45	54.00	-9.55	37.70	3	Vertical	231	2.36	-	33.49	4.99	31.73
PK	5.2678G	120.15	Inf	-Inf	113.08	3	Vertical	231	2.36	-	33.64	5.07	31.64
AV	5.266G	108.69	Inf	-Inf	101.63	3	Vertical	231	2.36	-	33.63	5.07	31.64
PK	5.3614G	57.14	74.00	-16.86	49.89	3	Vertical	231	2.36	-	33.80	5.02	31.57
AV	5.3506G	45.00	54.00	-9.00	37.76	3	Vertical	231	2.36	-	33.80	5.02	31.58

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5260MHz_TX

14/01/2021



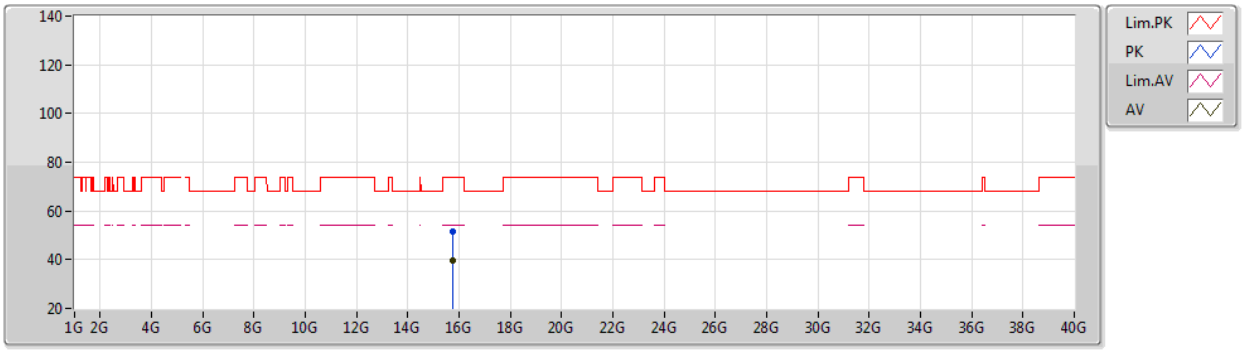
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.1328G	57.03	74.00	-16.97	50.33	3	Horizontal	161	2.34	-	33.47	4.97	31.74
AV	5.1382G	44.39	54.00	-9.61	37.67	3	Horizontal	161	2.34	-	33.48	4.98	31.74
PK	5.2576G	119.92	Inf	-Inf	112.88	3	Horizontal	161	2.34	-	33.62	5.07	31.65
AV	5.2588G	108.83	Inf	-Inf	101.79	3	Horizontal	161	2.34	-	33.62	5.07	31.65
PK	5.3926G	57.07	74.00	-16.93	49.82	3	Horizontal	161	2.34	-	33.80	5.00	31.55
AV	5.3518G	44.60	54.00	-9.40	37.36	3	Horizontal	161	2.34	-	33.80	5.02	31.58

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5260MHz_TX

14/01/2021



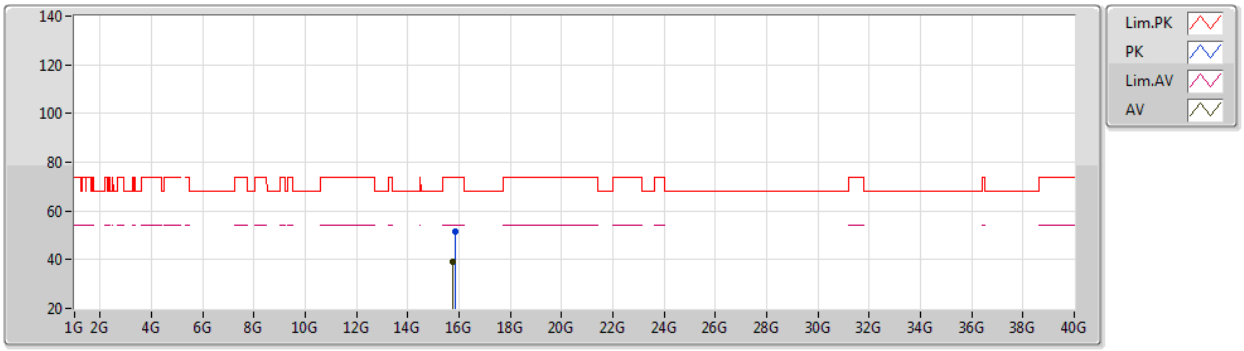
EUT Z_2TX
Setting 26
02-B-R-5

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	15.7602G	51.71	74.00	-22.29	38.07	3	Vertical	282	1.86	-	37.38	9.12	32.86
AV	15.7746G	39.53	54.00	-14.47	25.92	3	Vertical	282	1.86	-	37.35	9.12	32.86

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5260MHz_TX

14/01/2021



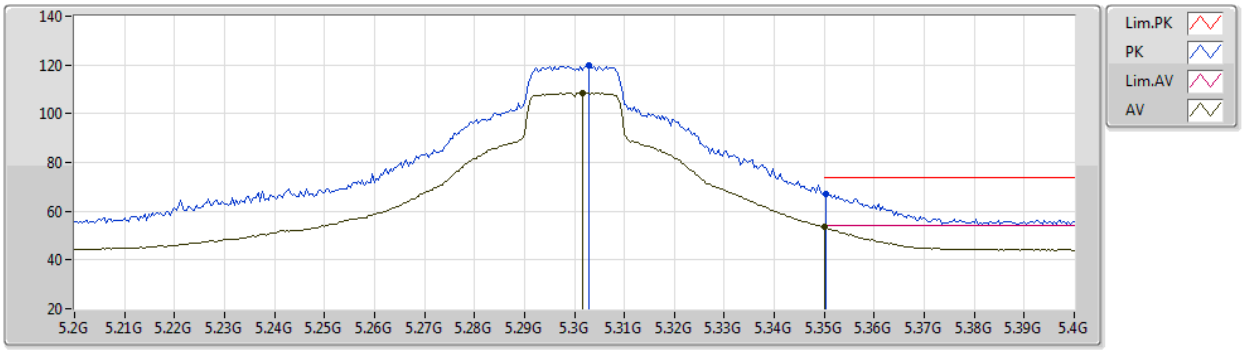
EUT Z_2TX
Setting 26
02-B-R-5

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	15.8436G	51.71	74.00	-22.29	38.13	3	Horizontal	319	2.30	-	37.30	9.15	32.87
AV	15.7536G	39.26	54.00	-14.74	25.62	3	Horizontal	319	2.30	-	37.39	9.11	32.86

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5300MHz_TX

14/01/2021



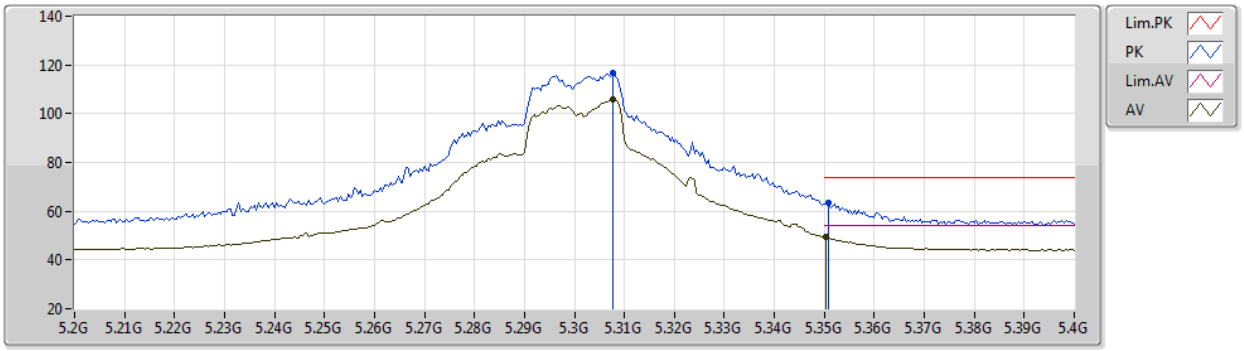
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.3028G	119.91	Inf	-Inf	112.77	3	Vertical	234	2.26	-	33.71	5.05	31.62
AV	5.3016G	108.65	Inf	-Inf	101.52	3	Vertical	234	2.26	-	33.70	5.05	31.62
PK	5.3504G	67.19	74.00	-6.81	59.95	3	Vertical	234	2.26	-	33.80	5.02	31.58
AV	5.35G	53.47	54.00	-0.53	46.22	3	Vertical	234	2.26	-	33.80	5.03	31.58

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5300MHz_TX

14/01/2021



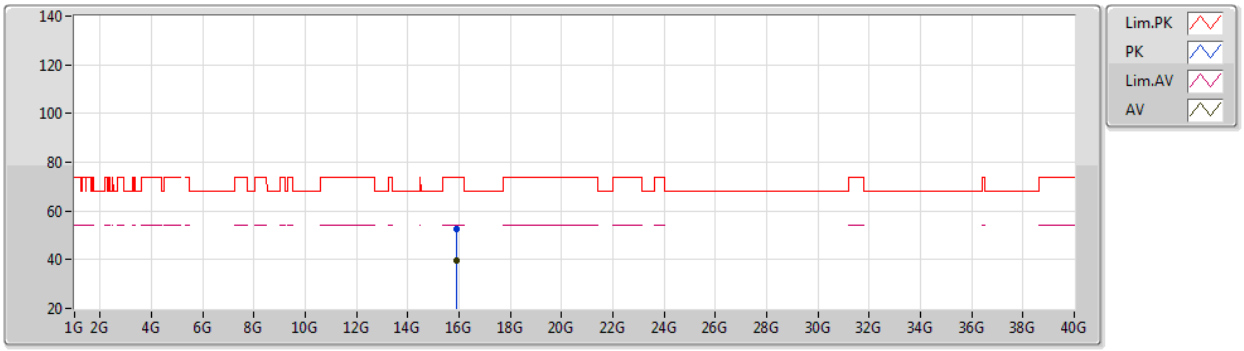
EUT Z_2TX
Setting 26
02-B-R-5-10

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	5.3076G	116.62	Inf	-Inf	109.46	3	Horizontal	271	2.77	-	33.72	5.05	31.61
AV	5.3076G	105.67	Inf	-Inf	98.51	3	Horizontal	271	2.77	-	33.72	5.05	31.61
PK	5.3508G	63.25	74.00	-10.75	56.01	3	Horizontal	271	2.77	-	33.80	5.02	31.58
AV	5.3504G	49.34	54.00	-4.66	42.10	3	Horizontal	271	2.77	-	33.80	5.02	31.58

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5300MHz_TX

14/01/2021



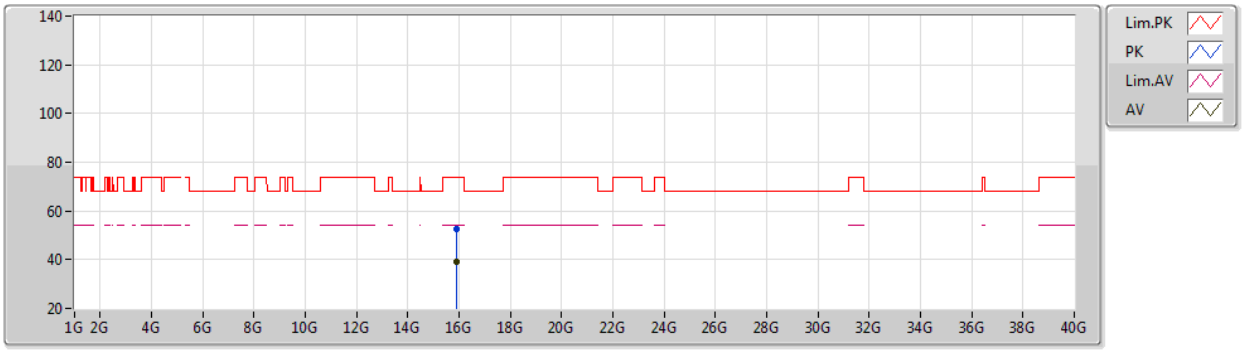
EUT Z_2TX
Setting 26
02-B-R-5

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	15.89646G	52.83	74.00	-21.17	39.24	3	Vertical	264	2.16	-	37.30	9.16	32.87
AV	15.90264G	39.44	54.00	-14.56	25.84	3	Vertical	264	2.16	-	37.30	9.17	32.87

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5300MHz_TX

14/01/2021



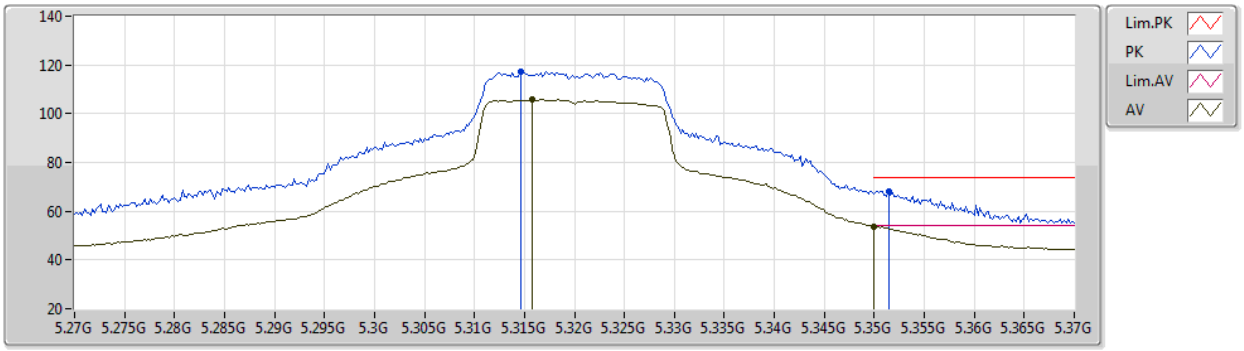
EUT Z_2TX
Setting 26
02-B-R-5

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	15.90522G	52.65	74.00	-21.35	39.04	3	Horizontal	324	1.84	-	37.31	9.17	32.87
AV	15.90234G	39.28	54.00	-14.72	25.68	3	Horizontal	324	1.84	-	37.30	9.17	32.87

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5320MHz_TX

14/01/2021



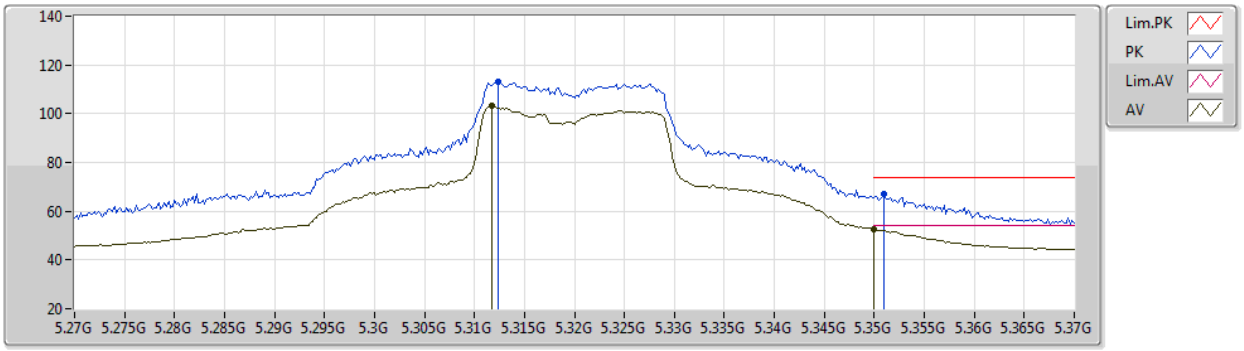
EUT Z_2TX
Setting 21.5
02-B-R-5-10

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	5.3146G	117.08	Inf	-Inf	109.92	3	Vertical	234	2.71	-	33.73	5.04	31.61
AV	5.3158G	105.76	Inf	-Inf	98.60	3	Vertical	234	2.71	-	33.73	5.04	31.61
PK	5.3514G	68.28	74.00	-5.72	61.04	3	Vertical	234	2.71	-	33.80	5.02	31.58
AV	5.35G	53.80	54.00	-0.20	46.55	3	Vertical	234	2.71	-	33.80	5.03	31.58

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5320MHz_TX

14/01/2021



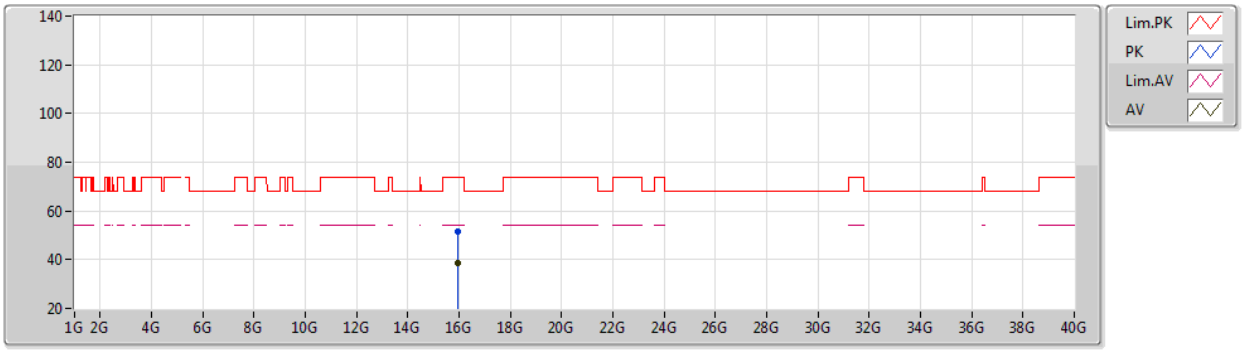
EUT Z_2TX
Setting 21.5
02-B-R-5-10

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	5.3124G	113.08	Inf	-Inf	105.93	3	Horizontal	272	2.28	-	33.72	5.04	31.61
AV	5.3118G	103.19	Inf	-Inf	96.04	3	Horizontal	272	2.28	-	33.72	5.04	31.61
PK	5.351G	66.90	74.00	-7.10	59.66	3	Horizontal	272	2.28	-	33.80	5.02	31.58
AV	5.35G	52.59	54.00	-1.41	45.34	3	Horizontal	272	2.28	-	33.80	5.03	31.58

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5320MHz_TX

14/01/2021



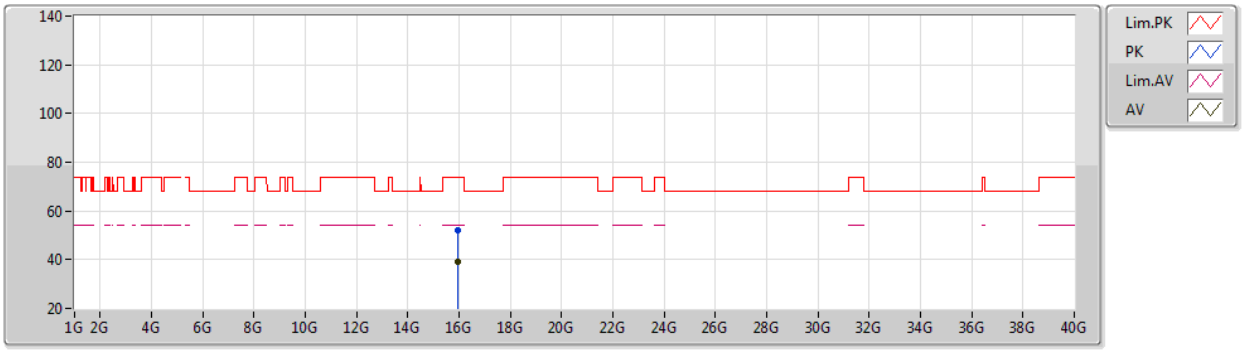
EUT Z_2TX
Setting 21.5
02-B-R-5

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	15.95712G	51.46	74.00	-22.54	37.80	3	Vertical	131	1.96	-	37.36	9.18	32.88
AV	15.9702G	38.76	54.00	-15.24	25.08	3	Vertical	131	1.96	-	37.37	9.19	32.88

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5320MHz_TX

14/01/2021



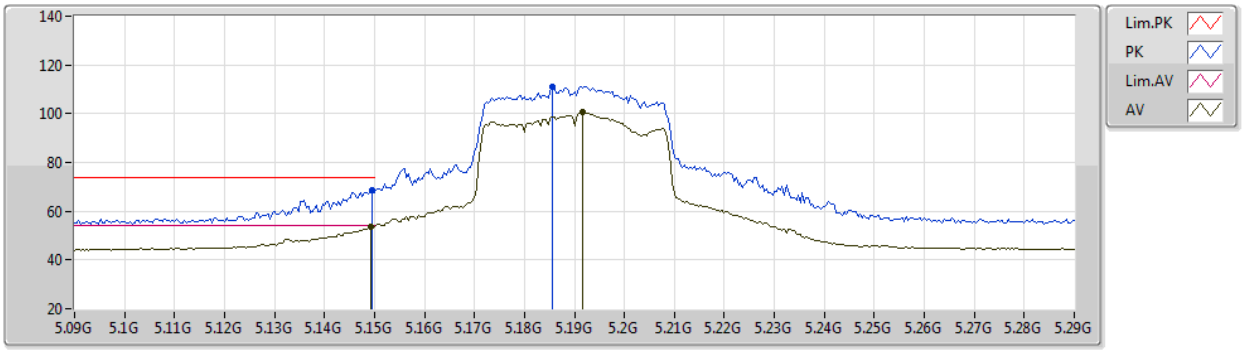
EUT Z_2TX
Setting 21.5
02-B-R-5

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	15.9636G	52.04	74.00	-21.96	38.37	3	Horizontal	58	1.39	-	37.36	9.19	32.88
AV	15.9474G	38.89	54.00	-15.11	25.24	3	Horizontal	58	1.39	-	37.35	9.18	32.88

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5190MHz_TX



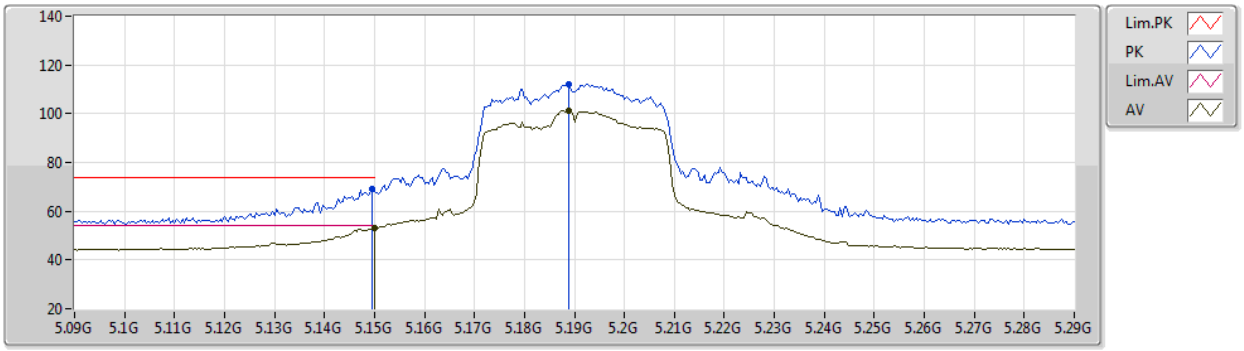
EUT Z_2TX
Setting 19
02-B-R-5-10

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	68.85	74.00	-5.15	62.08	3	Vertical	211	2.85	-	33.50	5.00	31.73
AV	5.1492G	53.58	54.00	-0.42	46.81	3	Vertical	211	2.85	-	33.50	5.00	31.73
PK	5.1856G	110.99	Inf	-Inf	104.12	3	Vertical	211	2.85	-	33.50	5.07	31.70
AV	5.1916G	100.56	Inf	-Inf	93.68	3	Vertical	211	2.85	-	33.50	5.08	31.70

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

14/01/2021



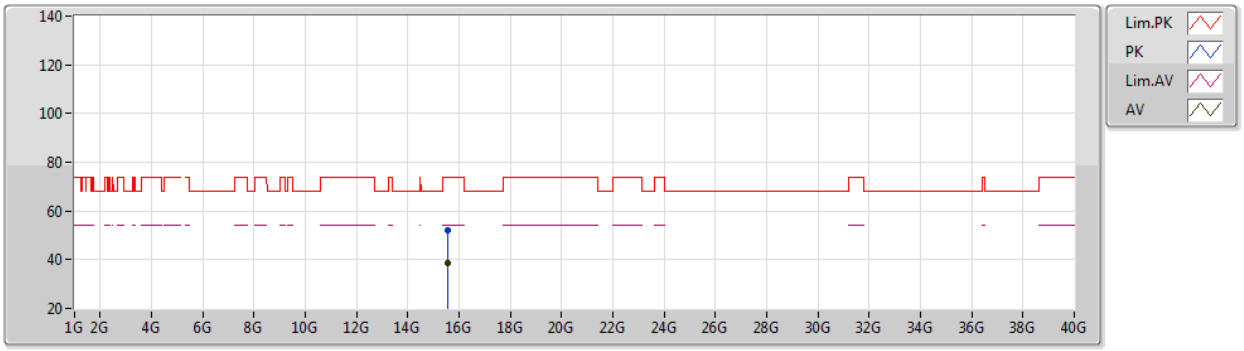
EUT Z_2TX
Setting 19
02-B-R-5-10

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	68.98	74.00	-5.02	62.21	3	Horizontal	166	2.41	-	33.50	5.00	31.73
AV	5.15G	53.14	54.00	-0.86	46.37	3	Horizontal	166	2.41	-	33.50	5.00	31.73
PK	5.1888G	112.21	Inf	-Inf	105.33	3	Horizontal	166	2.41	-	33.50	5.08	31.70
AV	5.1888G	101.14	Inf	-Inf	94.26	3	Horizontal	166	2.41	-	33.50	5.08	31.70

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5190MHz_TX



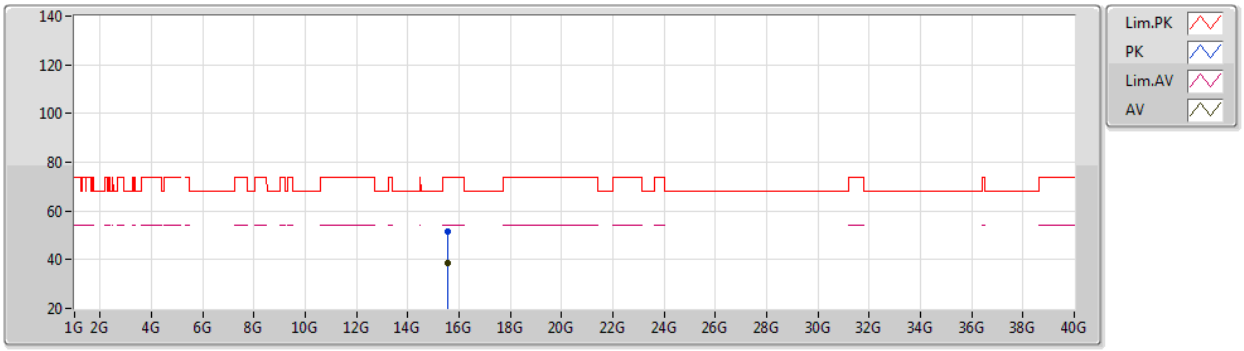
EUT Z_2TX
Setting 19
02-B-R-5

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	15.57688G	52.14	74.00	-21.86	38.45	3	Vertical	111	1.27	-	37.49	9.05	32.85
AV	15.56028G	38.54	54.00	-15.46	24.77	3	Vertical	111	1.27	-	37.56	9.05	32.84

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

14/01/2021



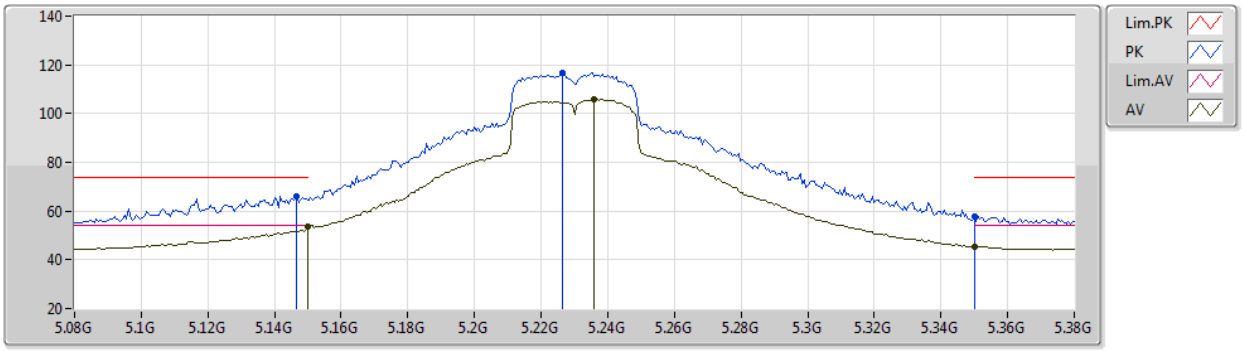
EUT Z_2TX
Setting 19
02-B-R-5

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	15.56664G	51.41	74.00	-22.59	37.68	3	Horizontal	177	2.73	-	37.53	9.05	32.85
AV	15.56976G	38.70	54.00	-15.30	24.98	3	Horizontal	177	2.73	-	37.52	9.05	32.85

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

14/01/2021



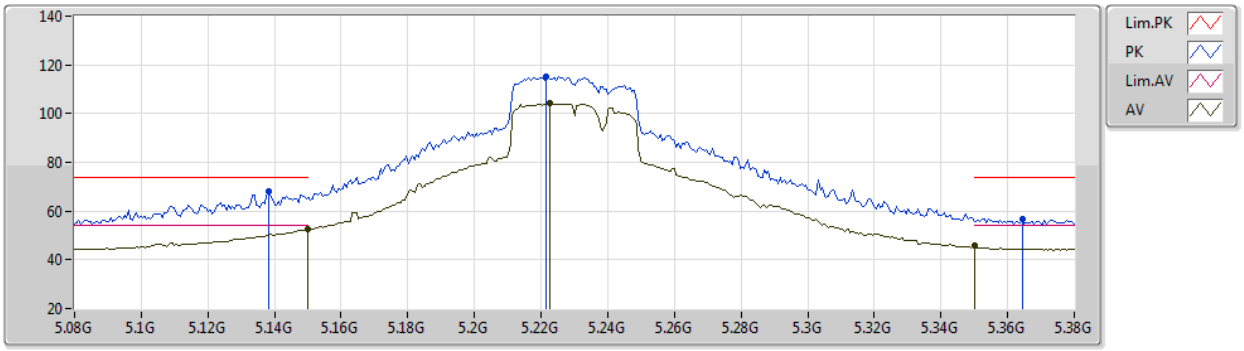
EUT Z_2TX
Setting 24
02-B-R-5-10

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	5.1466G	66.02	74.00	-7.98	59.27	3	Vertical	232	2.43	-	33.49	4.99	31.73
AV	5.15G	53.43	54.00	-0.57	46.66	3	Vertical	232	2.43	-	33.50	5.00	31.73
PK	5.2264G	116.80	Inf	-Inf	109.83	3	Vertical	232	2.43	-	33.55	5.09	31.67
AV	5.236G	106.02	Inf	-Inf	99.04	3	Vertical	232	2.43	-	33.57	5.08	31.67
PK	5.35G	57.79	74.00	-16.21	50.54	3	Vertical	232	2.43	-	33.80	5.03	31.58
AV	5.35G	45.44	54.00	-8.56	38.19	3	Vertical	232	2.43	-	33.80	5.03	31.58

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

14/01/2021



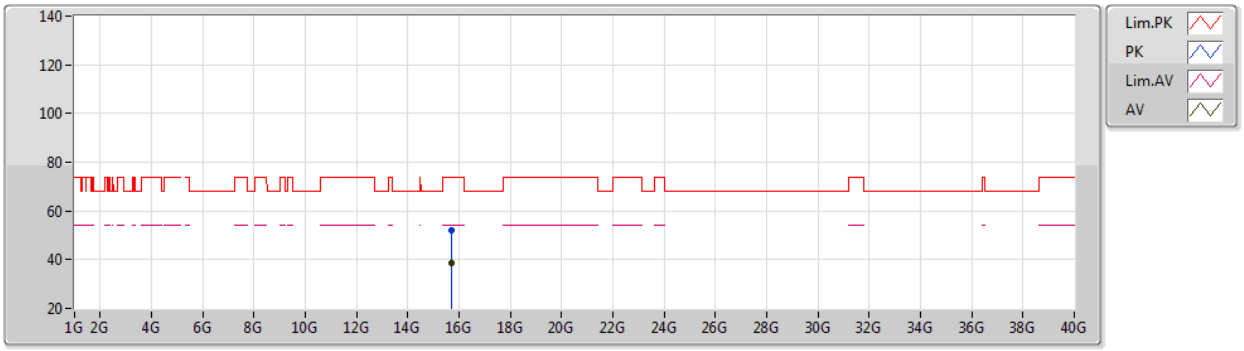
EUT Z_2TX
Setting 24
02-B-R-5-10

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	5.1382G	68.11	74.00	-5.89	61.39	3	Horizontal	165	2.26	-	33.48	4.98	31.74
AV	5.15G	52.57	54.00	-1.43	45.80	3	Horizontal	165	2.26	-	33.50	5.00	31.73
PK	5.2216G	115.17	Inf	-Inf	108.22	3	Horizontal	165	2.26	-	33.54	5.09	31.68
AV	5.2228G	104.06	Inf	-Inf	97.10	3	Horizontal	165	2.26	-	33.55	5.09	31.68
PK	5.3644G	56.85	74.00	-17.15	49.60	3	Horizontal	165	2.26	-	33.80	5.02	31.57
AV	5.35G	45.66	54.00	-8.34	38.41	3	Horizontal	165	2.26	-	33.80	5.03	31.58

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5230MHz_TX



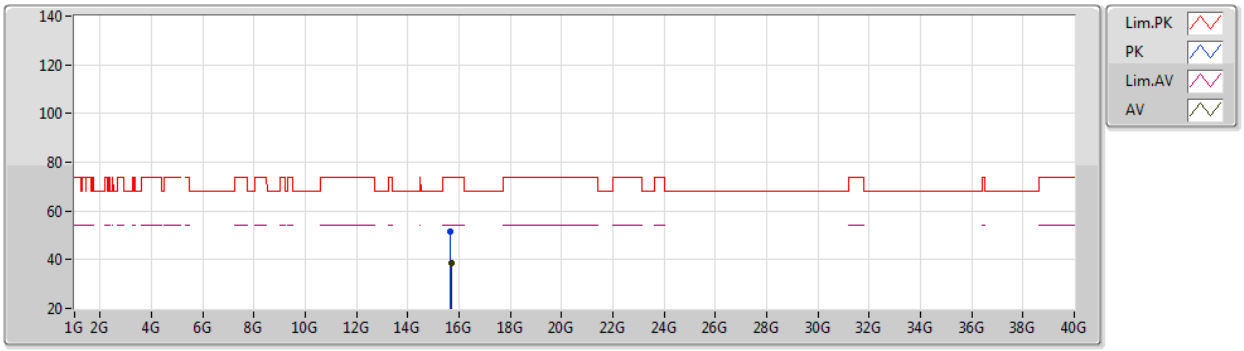
EUT Z_2TX
Setting 24
02-B-R-5

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	15.69846G	52.17	74.00	-21.83	38.44	3	Vertical	65	2.20	-	37.50	9.09	32.86
AV	15.6831G	38.65	54.00	-15.35	24.93	3	Vertical	65	2.20	-	37.48	9.09	32.85

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5230MHz_TX



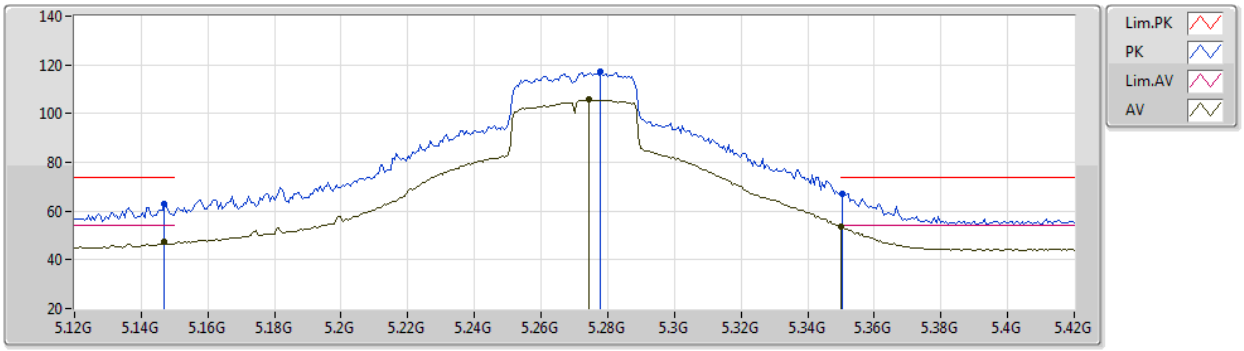
EUT Z_2TX
Setting 24
02-B-R-5

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	15.67818G	51.51	74.00	-22.49	37.79	3	Horizontal	76	2.56	-	37.48	9.09	32.85
AV	15.69234G	38.48	54.00	-15.52	24.76	3	Horizontal	76	2.56	-	37.49	9.09	32.86

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5270MHz_TX

14/01/2021



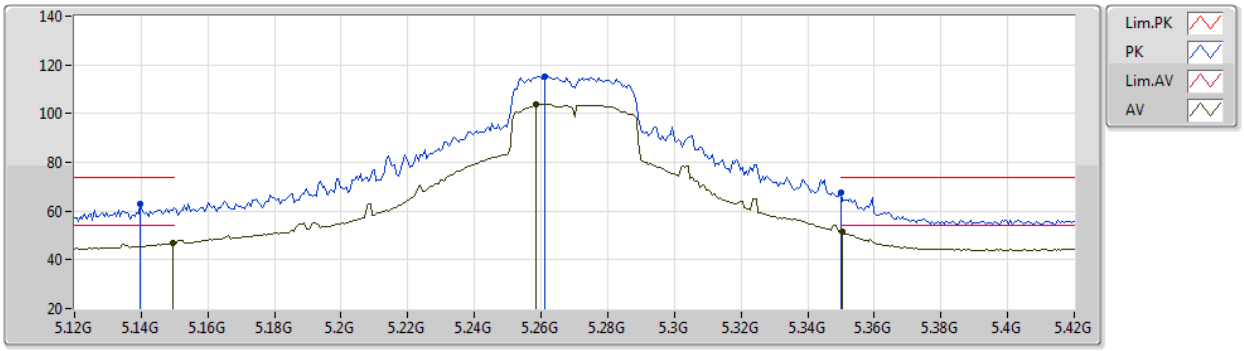
EUT Z_2TX
Setting 24
02-B-R-5-10

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	5.147G	62.95	74.00	-11.05	56.20	3	Vertical	233	2.27	-	33.49	4.99	31.73
AV	5.147G	47.29	54.00	-6.71	40.54	3	Vertical	233	2.27	-	33.49	4.99	31.73
PK	5.2778G	116.99	Inf	-Inf	109.90	3	Vertical	233	2.27	-	33.66	5.06	31.63
AV	5.2742G	105.70	Inf	-Inf	98.63	3	Vertical	233	2.27	-	33.65	5.06	31.64
PK	5.3504G	67.14	74.00	-6.86	59.90	3	Vertical	233	2.27	-	33.80	5.02	31.58
AV	5.35G	53.84	54.00	-0.16	46.60	3	Vertical	233	2.27	-	33.80	5.02	31.58

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5270MHz_TX

14/01/2021



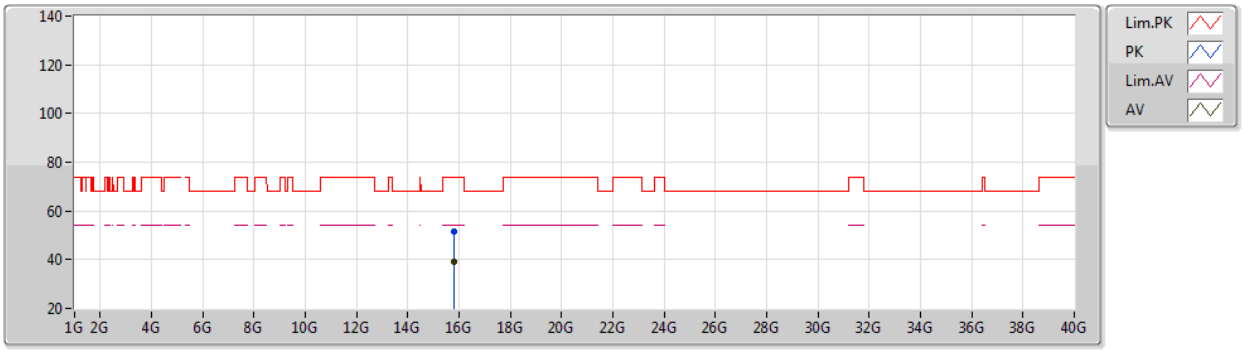
EUT Z_2TX
Setting 24
02-B-R-5-10

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	5.1398G	62.94	74.00	-11.06	56.22	3	Horizontal	169	2.43	-	33.48	4.98	31.74
AV	5.1494G	46.67	54.00	-7.33	39.90	3	Horizontal	169	2.43	-	33.50	5.00	31.73
PK	5.261G	115.40	Inf	-Inf	108.36	3	Horizontal	169	2.43	-	33.62	5.07	31.65
AV	5.2586G	103.95	Inf	-Inf	96.91	3	Horizontal	169	2.43	-	33.62	5.07	31.65
PK	5.35G	67.47	74.00	-6.53	60.23	3	Horizontal	169	2.43	-	33.80	5.02	31.58
AV	5.3504G	51.64	54.00	-2.36	44.40	3	Horizontal	169	2.43	-	33.80	5.02	31.58

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5270MHz_TX

14/01/2021



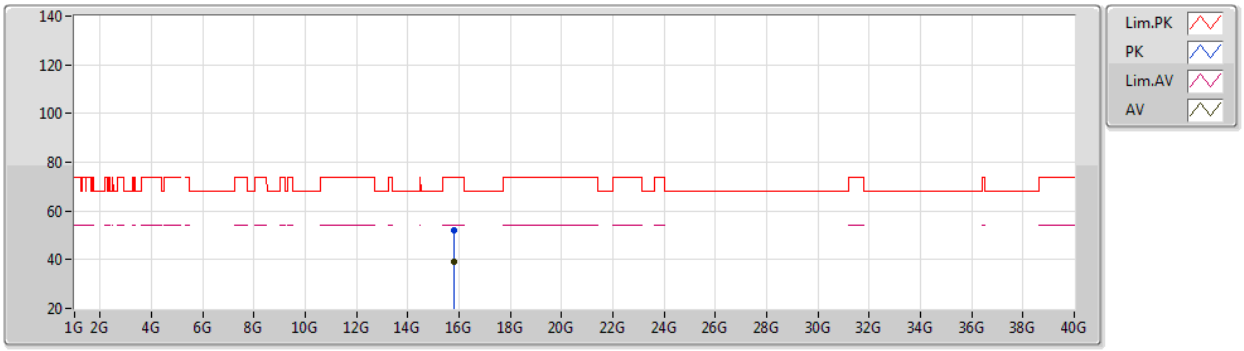
EUT Z_2TX
Setting 24
02-B-R-5

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	15.79746G	51.77	74.00	-22.23	38.19	3	Vertical	86	1.98	-	37.31	9.13	32.86
AV	15.80574G	39.00	54.00	-15.00	25.43	3	Vertical	86	1.98	-	37.30	9.13	32.86

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5270MHz_TX

14/01/2021



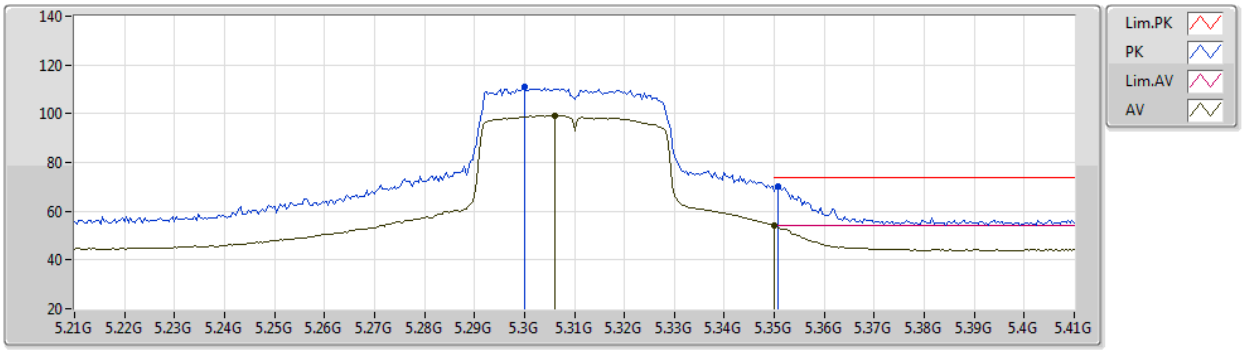
EUT Z_2TX
Setting 24
02-B-R-5

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	15.81456G	52.07	74.00	-21.93	38.50	3	Horizontal	62	1.19	-	37.30	9.14	32.87
AV	15.8124G	39.08	54.00	-14.92	25.51	3	Horizontal	62	1.19	-	37.30	9.13	32.86

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5310MHz_TX

14/01/2021



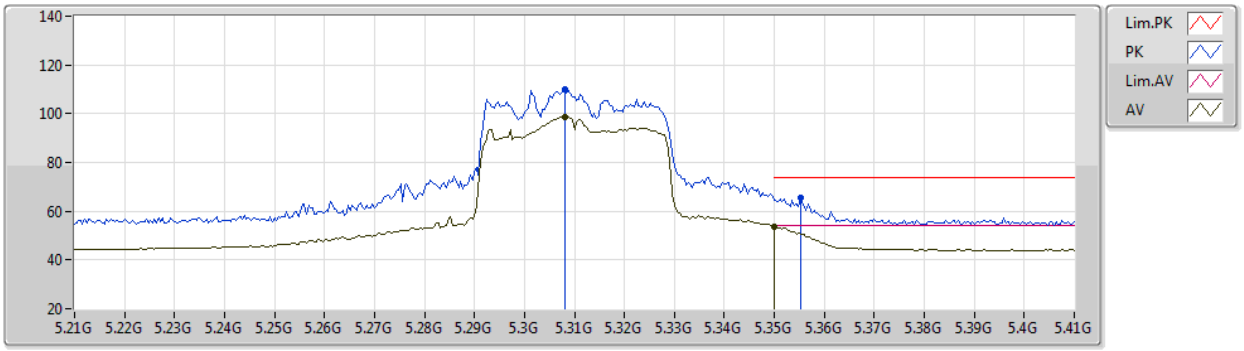
EUT Z_2TX
Setting 18
02-B-R-5-10

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	5.3G	110.98	Inf	-Inf	103.85	3	Vertical	233	2.35	-	33.70	5.05	31.62
AV	5.306G	99.25	Inf	-Inf	92.10	3	Vertical	233	2.35	-	33.71	5.05	31.61
PK	5.3508G	70.28	74.00	-3.72	63.04	3	Vertical	233	2.35	-	33.80	5.02	31.58
AV	5.35G	53.94	54.00	-0.06	46.69	3	Vertical	233	2.35	-	33.80	5.03	31.58

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5310MHz_TX

14/01/2021



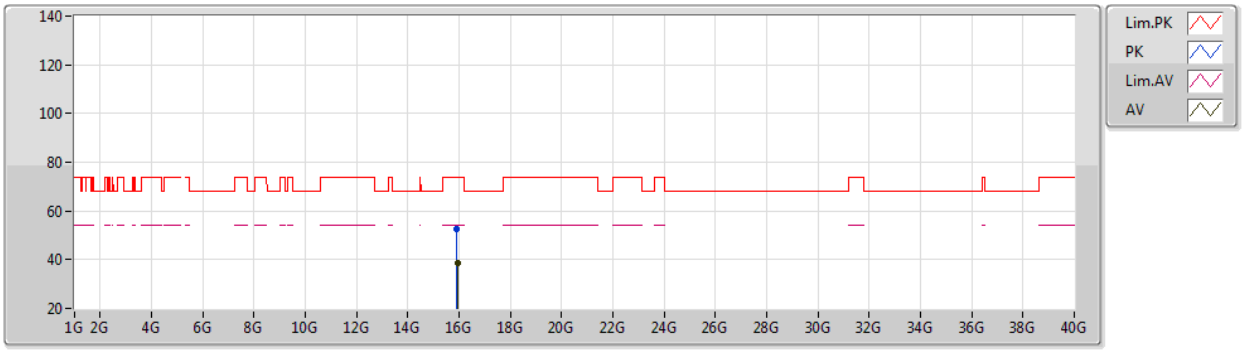
EUT Z_2TX
Setting 18
02-B-R-5-10

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	5.308G	109.90	Inf	-Inf	102.74	3	Horizontal	271	2.75	-	33.72	5.05	31.61
AV	5.308G	98.69	Inf	-Inf	91.53	3	Horizontal	271	2.75	-	33.72	5.05	31.61
PK	5.3552G	65.29	74.00	-8.71	58.05	3	Horizontal	271	2.75	-	33.80	5.02	31.58
AV	5.35G	53.74	54.00	-0.26	46.49	3	Horizontal	271	2.75	-	33.80	5.03	31.58

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5310MHz_TX

14/01/2021



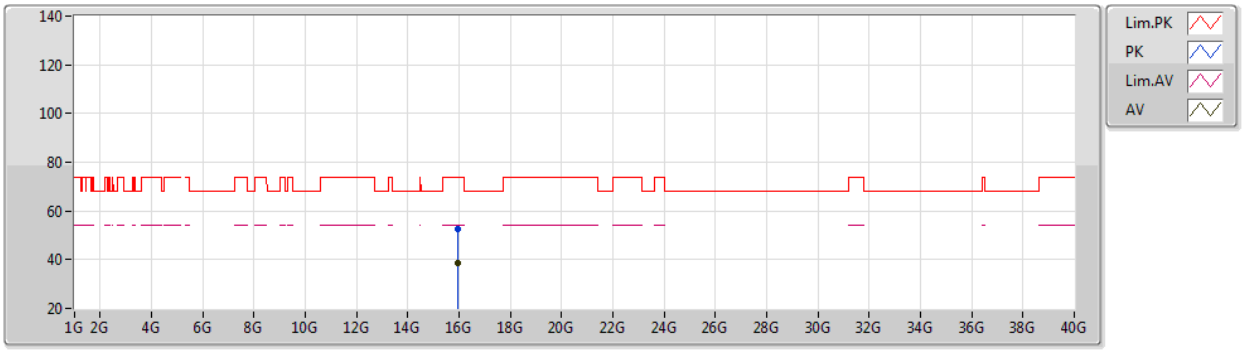
EUT Z_2TX
Setting 18
02-B-R-5

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	15.92472G	52.57	74.00	-21.43	38.95	3	Vertical	131	1.54	-	37.32	9.17	32.87
AV	15.93036G	38.80	54.00	-15.20	25.16	3	Vertical	131	1.54	-	37.33	9.18	32.87

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5310MHz_TX

14/01/2021



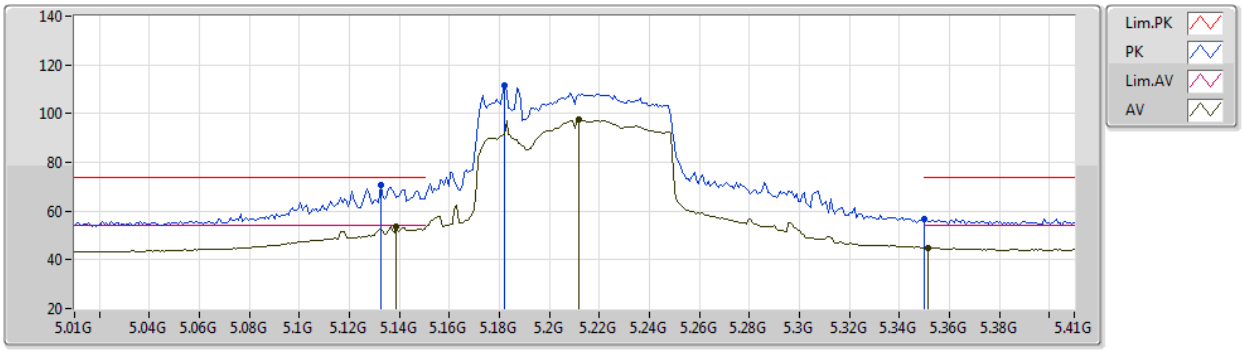
EUT Z_2TX
Setting 18
02-B-R-5

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	15.92888G	52.40	74.00	-21.60	38.76	3	Horizontal	22	2.16	-	37.33	9.18	32.87
AV	15.9264G	38.64	54.00	-15.36	25.01	3	Horizontal	22	2.16	-	37.33	9.17	32.87

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/01/2021

5210MHz_TX



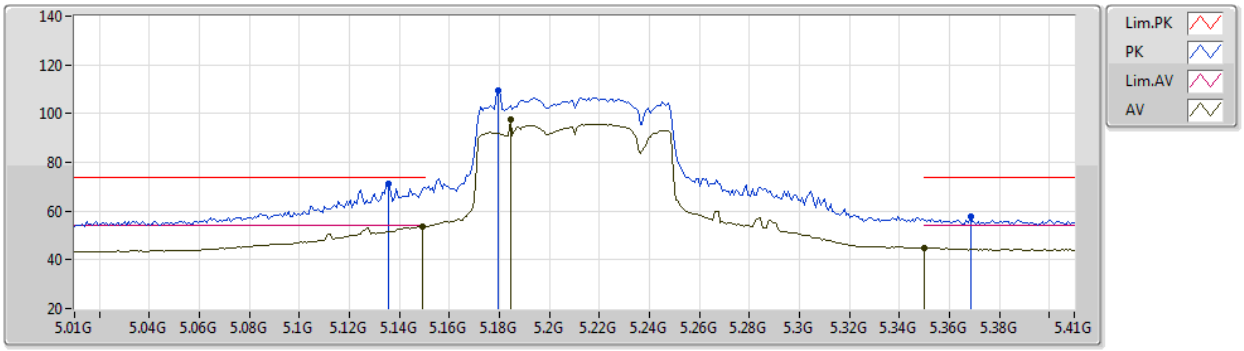
EUT Z_2TX
Setting 19
02-B-R-5-10

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	5.1324G	70.85	74.00	-3.15	64.17	3	Vertical	232	2.21	-	33.46	4.96	31.74
AV	5.1388G	53.61	54.00	-0.39	46.89	3	Vertical	232	2.21	-	33.48	4.98	31.74
PK	5.182G	111.50	Inf	-Inf	104.65	3	Vertical	232	2.21	-	33.50	5.06	31.71
AV	5.2116G	97.37	Inf	-Inf	90.44	3	Vertical	232	2.21	-	33.52	5.09	31.68
PK	5.35G	56.78	74.00	-17.22	49.53	3	Vertical	232	2.21	-	33.80	5.03	31.58
AV	5.3516G	45.04	54.00	-8.96	37.80	3	Vertical	232	2.21	-	33.80	5.02	31.58

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/01/2021

5210MHz_TX



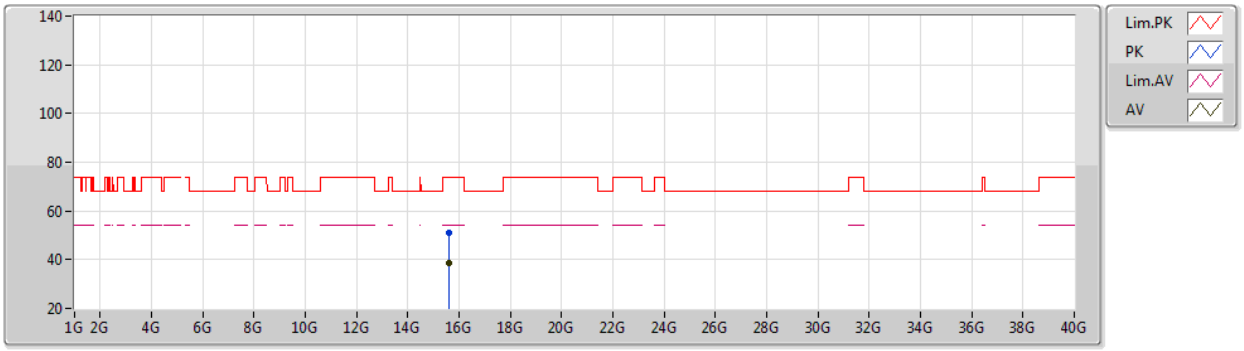
EUT Z_2TX
Setting 19
02-B-R-5-10

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	5.1356G	71.25	74.00	-2.75	64.55	3	Horizontal	168	2.33	-	33.47	4.97	31.74
AV	5.1492G	53.65	54.00	-0.35	46.88	3	Horizontal	168	2.33	-	33.50	5.00	31.73
PK	5.1796G	109.38	Inf	-Inf	102.53	3	Horizontal	168	2.33	-	33.50	5.06	31.71
AV	5.1844G	97.43	Inf	-Inf	90.56	3	Horizontal	168	2.33	-	33.50	5.07	31.70
PK	5.3684G	57.67	74.00	-16.33	50.42	3	Horizontal	168	2.33	-	33.80	5.02	31.57
AV	5.35G	44.77	54.00	-9.23	37.52	3	Horizontal	168	2.33	-	33.80	5.03	31.58

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

14/01/2021



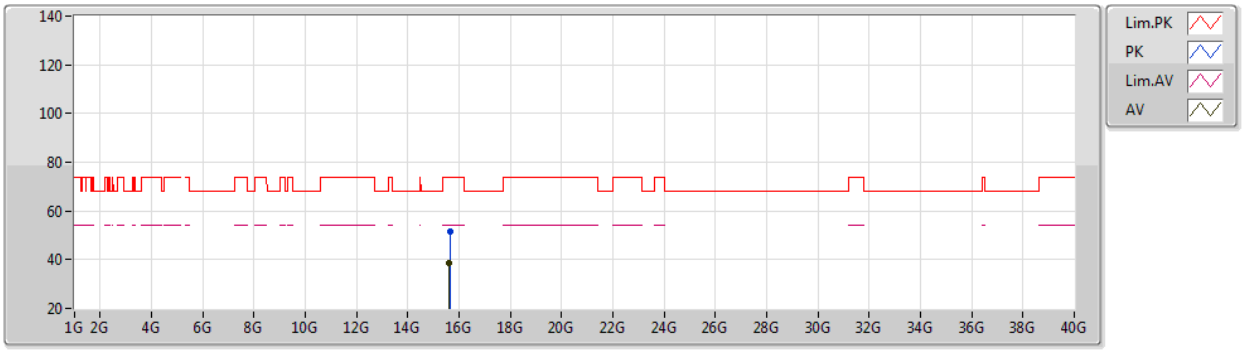
EUT Z_2TX
Setting 19
02-B-R-5

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	15.62382G	51.29	74.00	-22.71	37.65	3	Vertical	98	2.12	-	37.42	9.07	32.85
AV	15.61908G	38.49	54.00	-15.51	24.85	3	Vertical	98	2.12	-	37.42	9.07	32.85

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

14/01/2021



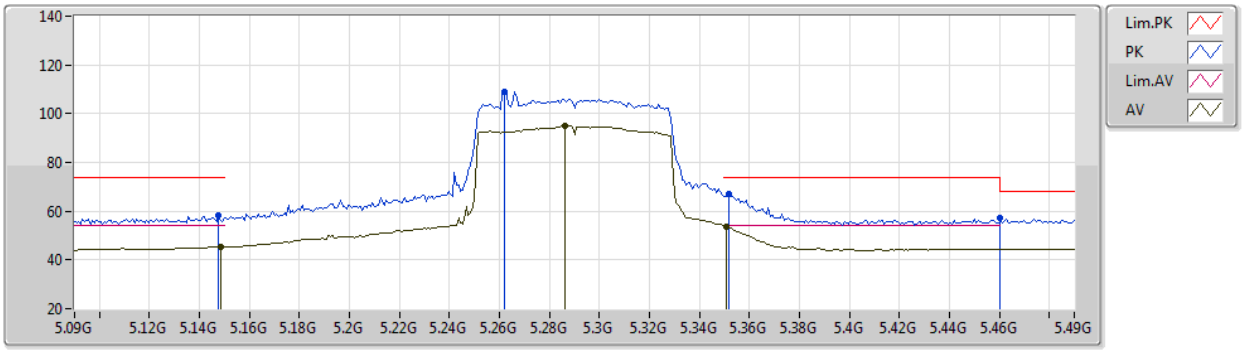
EUT Z_2TX
Setting 19
02-B-R-5

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	15.64452G	51.53	74.00	-22.47	37.86	3	Horizontal	352	1.94	-	37.44	9.08	32.85
AV	15.62094G	38.50	54.00	-15.50	24.86	3	Horizontal	352	1.94	-	37.42	9.07	32.85

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5290MHz_TX

14/01/2021



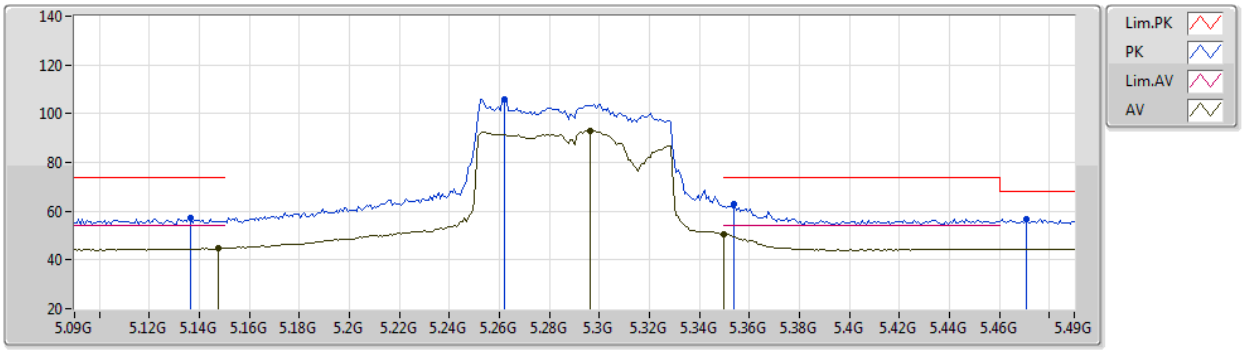
EUT Z_2TX
Setting 17
02-B-R-5-10

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	5.1476G	58.38	74.00	-15.62	51.61	3	Vertical	236	2.23	-	33.50	5.00	31.73
AV	5.1484G	45.56	54.00	-8.44	38.79	3	Vertical	236	2.23	-	33.50	5.00	31.73
PK	5.262G	108.88	Inf	-Inf	101.84	3	Vertical	236	2.23	-	33.62	5.07	31.65
AV	5.286G	95.01	Inf	-Inf	87.91	3	Vertical	236	2.23	-	33.67	5.06	31.63
PK	5.3516G	67.09	74.00	-6.91	59.85	3	Vertical	236	2.23	-	33.80	5.02	31.58
AV	5.3508G	53.85	54.00	-0.15	46.61	3	Vertical	236	2.23	-	33.80	5.02	31.58
PK	5.4604G	57.01	68.20	-11.19	49.47	3	Vertical	236	2.23	-	33.98	5.06	31.50

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5290MHz_TX

14/01/2021



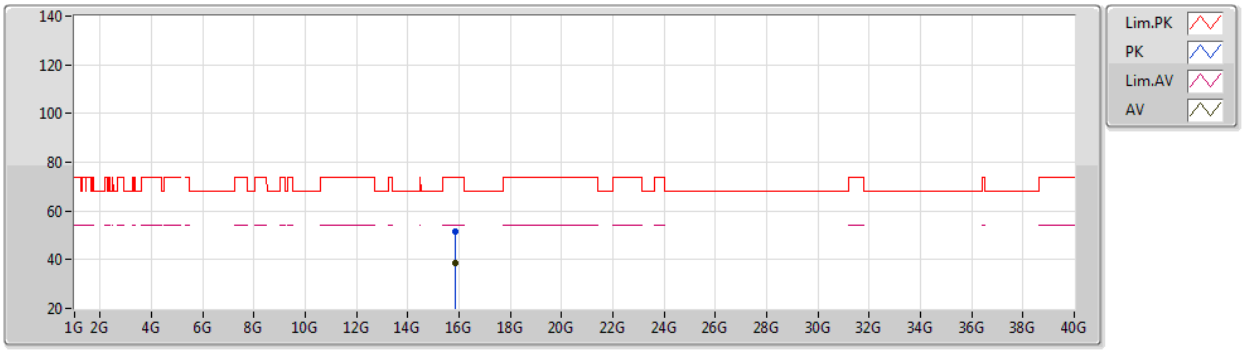
EUT Z_2TX
Setting 17
02-B-R-5-10

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	5.1364G	57.34	74.00	-16.66	50.64	3	Horizontal	270	2.36	-	33.47	4.97	31.74
AV	5.1476G	44.73	54.00	-9.27	37.96	3	Horizontal	270	2.36	-	33.50	5.00	31.73
PK	5.262G	105.99	Inf	-Inf	98.95	3	Horizontal	270	2.36	-	33.62	5.07	31.65
AV	5.2964G	92.98	Inf	-Inf	85.86	3	Horizontal	270	2.36	-	33.69	5.05	31.62
PK	5.354G	62.68	74.00	-11.32	55.44	3	Horizontal	270	2.36	-	33.80	5.02	31.58
AV	5.35G	50.72	54.00	-3.28	43.47	3	Horizontal	270	2.36	-	33.80	5.03	31.58
PK	5.4708G	56.86	68.20	-11.34	49.32	3	Horizontal	270	2.36	-	33.96	5.07	31.49

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5290MHz_TX

14/01/2021



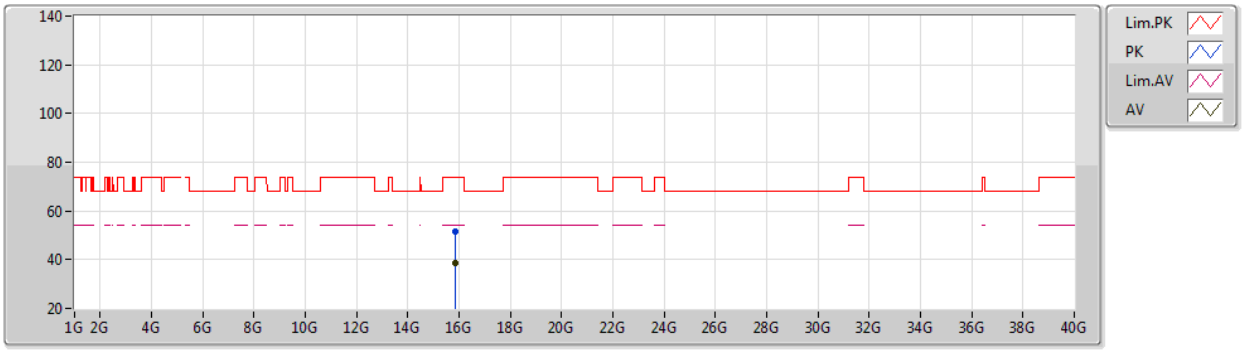
EUT Z_2TX
Setting 17
02-B-R-5

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	15.87172G	51.45	74.00	-22.55	37.86	3	Vertical	65	1.94	-	37.30	9.16	32.87
AV	15.87208G	38.71	54.00	-15.29	25.12	3	Vertical	65	1.94	-	37.30	9.16	32.87

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5290MHz_TX

14/01/2021



EUT Z_2TX
Setting 17
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	15.8614G	51.79	74.00	-22.21	38.21	3	Horizontal	267	2.99	-	37.30	9.15	32.87
AV	15.87572G	38.76	54.00	-15.24	25.17	3	Horizontal	267	2.99	-	37.30	9.16	32.87

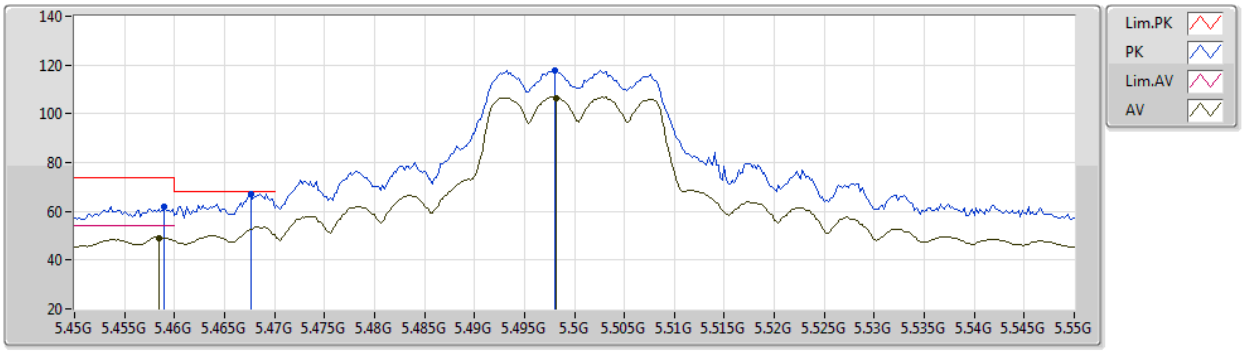
For 5GHz Band 3 and Band 4:
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	Pass	PK	5.47G	68.16	68.20	-0.04	3	Vertical	186	2.13	-

802.11a-BF_Nss1,(6Mbps)_2TX

5500MHz_TX

14/01/2021



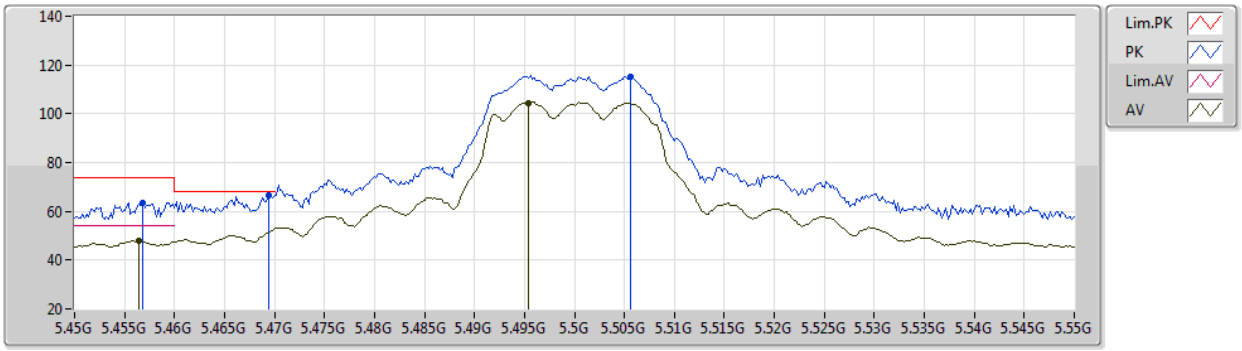
EUT Z_2TX
Setting 22.5
01-A-G-3-10
sample Q3

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	5.459G	62.07	74.00	-11.93	57.66	3	Vertical	-	-	-	33.42	5.40	34.41
AV	5.4584G	49.05	54.00	-4.95	44.64	3	Vertical	-	-	-	33.42	5.40	34.41
PK	5.4676G	67.30	68.20	-0.90	62.87	3	Vertical	-	-	-	33.44	5.40	34.41
PK	5.498G	117.65	Inf	-Inf	113.16	3	Vertical	-	-	-	33.50	5.40	34.41
AV	5.4982G	106.47	Inf	-Inf	101.98	3	Vertical	-	-	-	33.50	5.40	34.41

802.11a-BF_Nss1,(6Mbps)_2TX

5500MHz_TX

14/01/2021



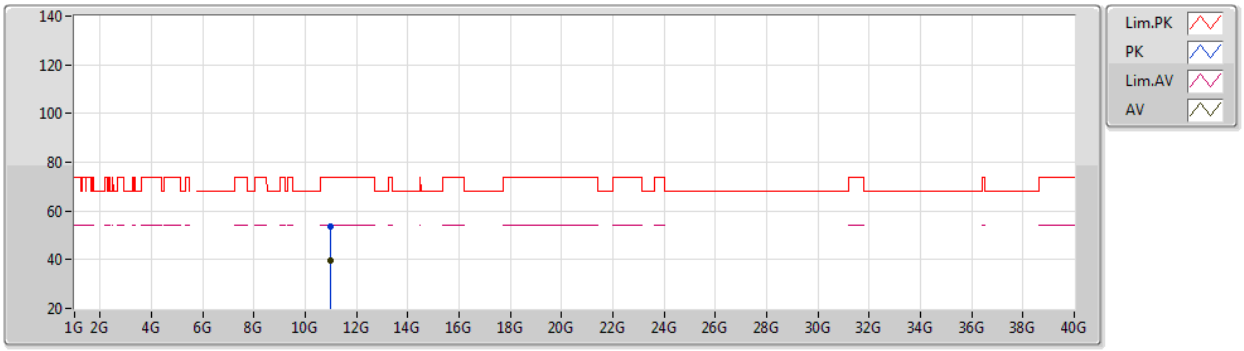
EUT Z_2TX
Setting 22.5
01-A-G-3-10
sample Q3

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	5.4568G	63.49	74.00	-10.51	59.10	3	Horizontal	195	2.54	-	33.41	5.40	34.42
AV	5.4564G	47.68	54.00	-6.32	43.29	3	Horizontal	195	2.54	-	33.41	5.40	34.42
PK	5.4694G	66.63	68.20	-1.57	62.20	3	Horizontal	195	2.54	-	33.44	5.40	34.41
PK	5.5056G	115.24	Inf	-Inf	110.73	3	Horizontal	195	2.54	-	33.52	5.40	34.41
AV	5.4954G	104.54	Inf	-Inf	100.06	3	Horizontal	195	2.54	-	33.49	5.40	34.41

802.11a-BF_Nss1,(6Mbps)_2TX

5500MHz_TX

14/01/2021



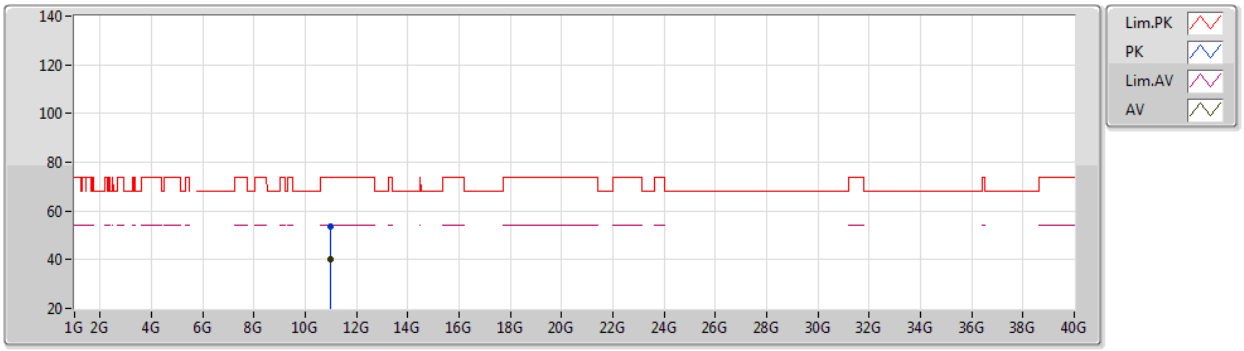
EUT Z_2TX
Setting 22.5
01-A-G-2
sample Q3

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	11.00132G	53.38	74.00	-20.62	41.92	3	Vertical	28	2.79	-	38.20	7.65	34.39
AV	10.99476G	39.79	54.00	-14.21	28.32	3	Vertical	28	2.79	-	38.21	7.65	34.39

802.11a-BF_Nss1,(6Mbps)_2TX

5500MHz_TX

14/01/2021



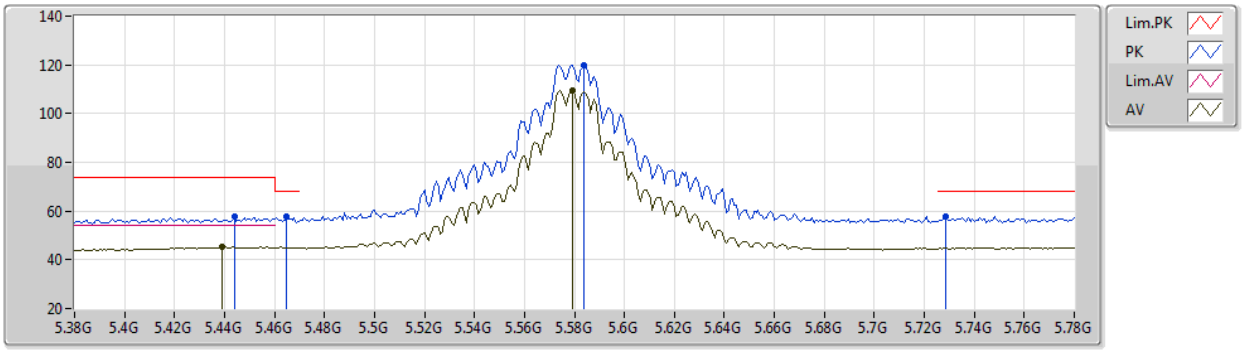
EUT Z_2TX
Setting 22.5
01-A-G-2
sample Q3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.99296G	53.60	74.00	-20.40	42.14	3	Horizontal	96	2.14	-	38.21	7.65	34.40
AV	10.99184G	39.94	54.00	-14.06	28.48	3	Horizontal	96	2.14	-	38.21	7.65	34.40

802.11a-BF_Nss1,(6Mbps)_2TX

5580MHz_TX

14/01/2021



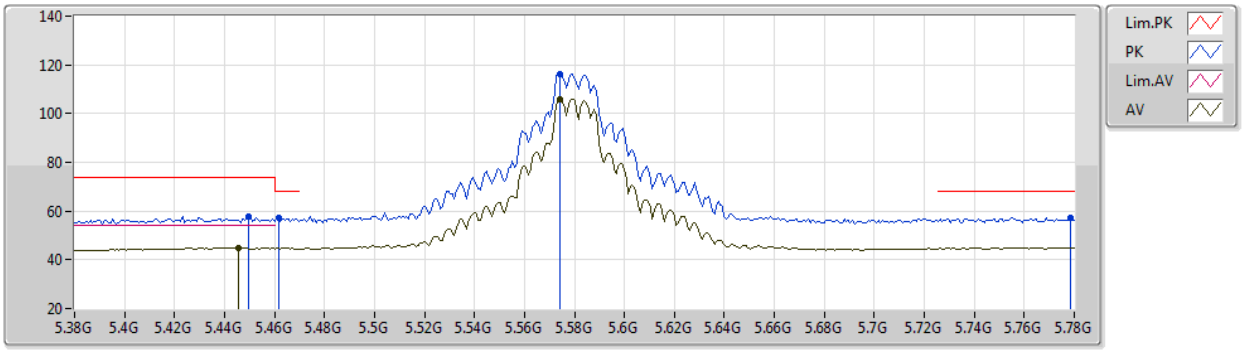
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.444G	57.98	74.00	-16.02	53.62	3	Vertical	188	2.17	-	33.38	5.40	34.42
AV	5.4392G	45.28	54.00	-8.72	40.94	3	Vertical	188	2.17	-	33.36	5.40	34.42
PK	5.4648G	57.55	68.20	-10.65	53.13	3	Vertical	188	2.17	-	33.43	5.40	34.41
PK	5.584G	120.00	Inf	-Inf	115.27	3	Vertical	188	2.17	-	33.77	5.40	34.44
AV	5.5792G	109.61	Inf	-Inf	104.89	3	Vertical	188	2.17	-	33.76	5.40	34.44
PK	5.7288G	57.72	68.20	-10.48	52.73	3	Vertical	188	2.17	-	34.02	5.46	34.49

802.11a-BF_Nss1,(6Mbps)_2TX

5580MHz_TX

14/01/2021



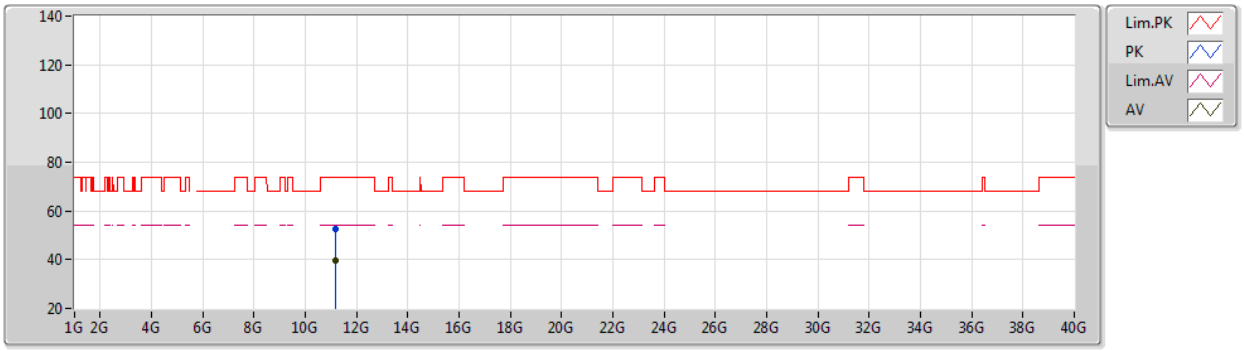
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.4496G	57.57	74.00	-16.43	53.19	3	Horizontal	206	2.25	-	33.40	5.40	34.42
AV	5.4456G	44.89	54.00	-9.11	40.53	3	Horizontal	206	2.25	-	33.38	5.40	34.42
PK	5.4616G	57.24	68.20	-10.96	52.83	3	Horizontal	206	2.25	-	33.42	5.40	34.41
PK	5.5744G	116.20	Inf	-Inf	111.49	3	Horizontal	206	2.25	-	33.75	5.40	34.44
AV	5.5744G	105.79	Inf	-Inf	101.08	3	Horizontal	206	2.25	-	33.75	5.40	34.44
PK	5.7784G	57.36	68.20	-10.84	52.16	3	Horizontal	206	2.25	-	34.21	5.49	34.50

802.11a-BF_Nss1,(6Mbps)_2TX

5580MHz_TX

14/01/2021



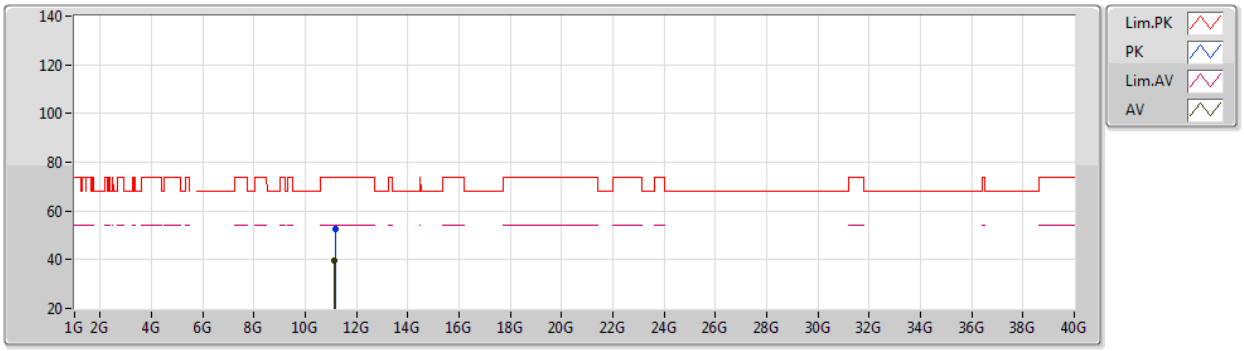
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.1634G	52.66	74.00	-21.34	41.13	3	Vertical	338	2.11	-	38.24	7.71	34.42
AV	11.1594G	39.65	54.00	-14.35	28.12	3	Vertical	338	2.11	-	38.24	7.71	34.42

802.11a-BF_Nss1,(6Mbps)_2TX

5580MHz_TX

14/01/2021



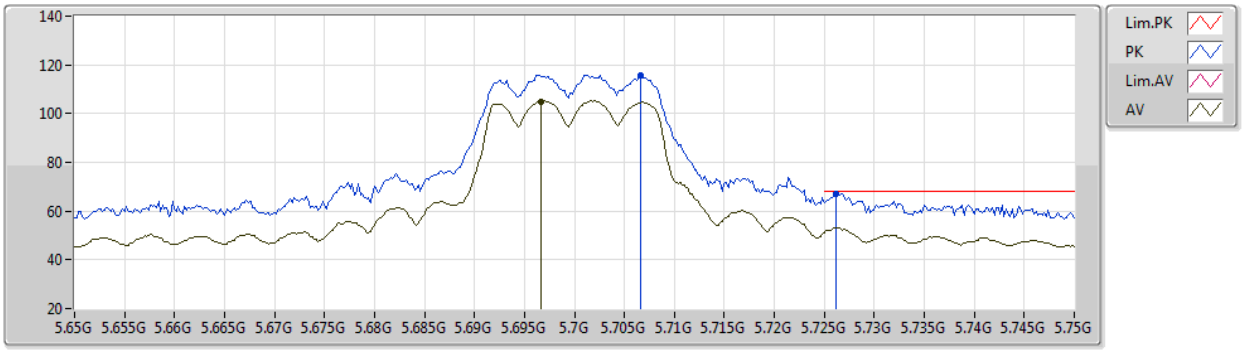
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.15956G	52.81	74.00	-21.19	41.28	3	Horizontal	100	2.53	-	38.24	7.71	34.42
AV	11.15372G	39.56	54.00	-14.44	28.02	3	Horizontal	100	2.53	-	38.25	7.70	34.41

802.11a-BF_Nss1,(6Mbps)_2TX

5700MHz_TX

14/01/2021



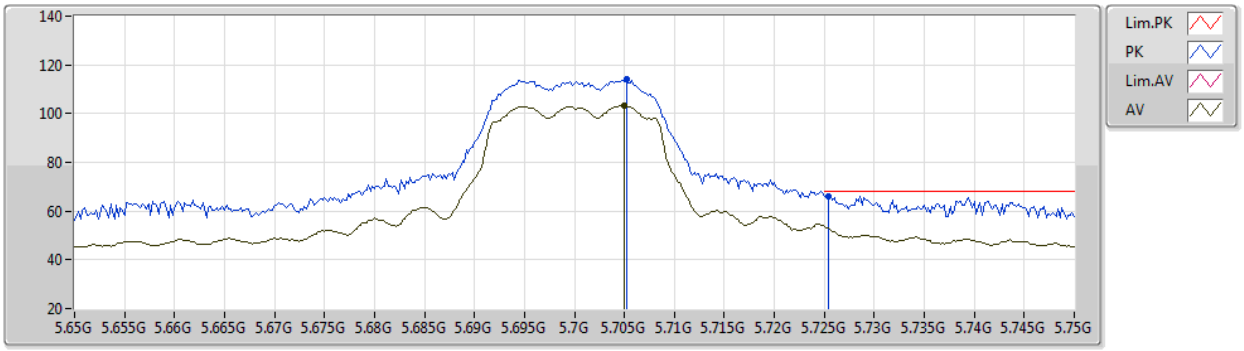
EUT Z_2TX
Setting 22
01-A-G-3-10
sample Q3

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	5.7066G	115.88	Inf	-Inf	110.98	3	Vertical	181	2.30	-	33.93	5.45	34.48
AV	5.6966G	105.05	Inf	-Inf	100.18	3	Vertical	181	2.30	-	33.90	5.45	34.48
PK	5.7262G	66.82	68.20	-1.38	61.85	3	Vertical	181	2.30	-	34.00	5.46	34.49

802.11a-BF_Nss1,(6Mbps)_2TX

5700MHz_TX

14/01/2021



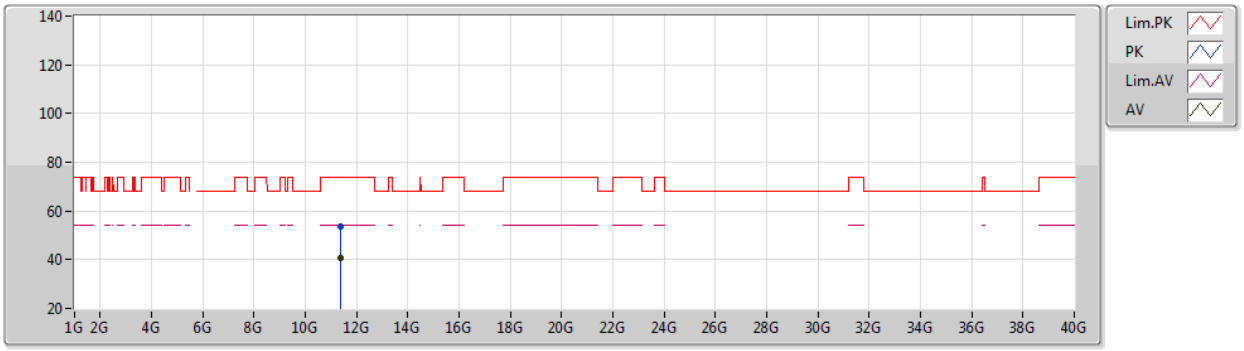
EUT Z_2TX
Setting 22
01-A-G-3-10
sample Q3

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	5.7052G	113.97	Inf	-Inf	109.08	3	Horizontal	209	2.19	-	33.92	5.45	34.48
AV	5.705G	103.42	Inf	-Inf	98.53	3	Horizontal	209	2.19	-	33.92	5.45	34.48
PK	5.7254G	66.21	68.20	-1.99	61.24	3	Horizontal	209	2.19	-	34.00	5.46	34.49

802.11a-BF_Nss1,(6Mbps)_2TX

5700MHz_TX

14/01/2021



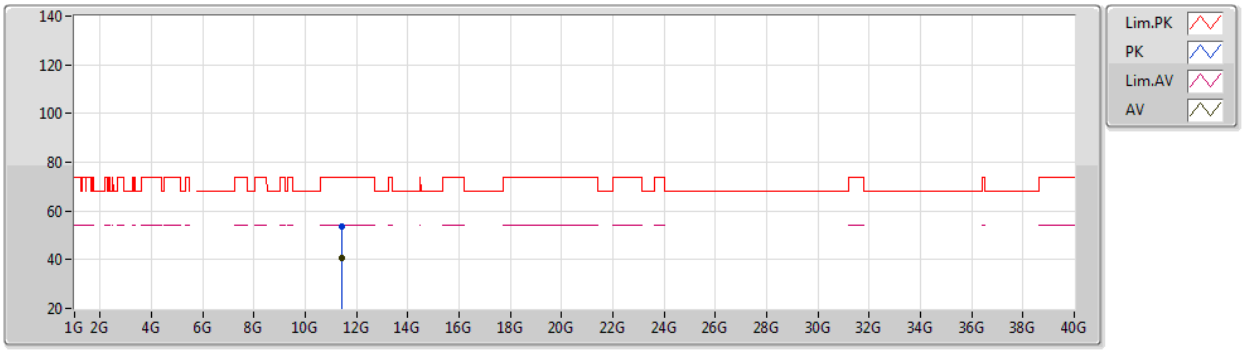
EUT Z_2TX
Setting 22
01-A-G-2
sample Q3

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	11.39744G	53.69	74.00	-20.31	41.95	3	Vertical	348	1.29	-	38.40	7.79	34.45
AV	11.3957G	40.56	54.00	-13.44	28.82	3	Vertical	348	1.29	-	38.40	7.79	34.45

802.11a-BF_Nss1,(6Mbps)_2TX

5700MHz_TX

14/01/2021



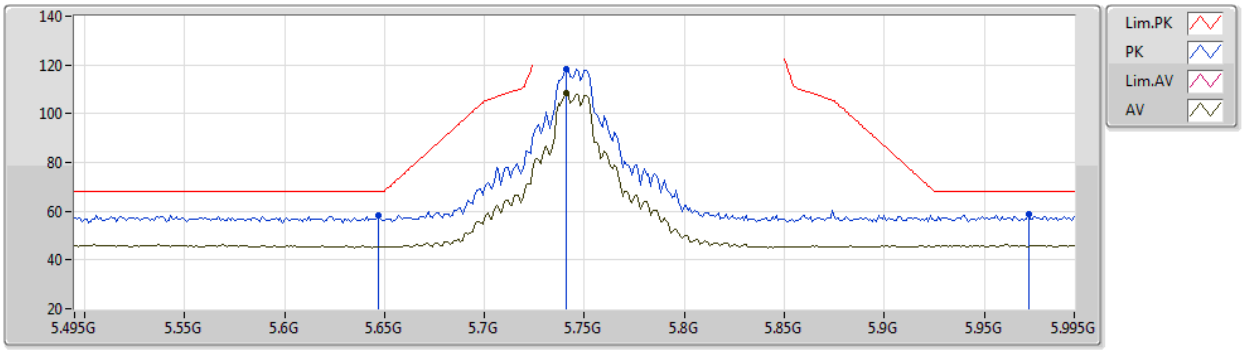
EUT Z_2TX
Setting 22
01-A-G-2
sample Q3

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	11.40408G	53.66	74.00	-20.34	41.92	3	Horizontal	82	2.41	-	38.40	7.79	34.45
AV	11.40414G	40.64	54.00	-13.36	28.90	3	Horizontal	82	2.41	-	38.40	7.79	34.45

802.11a-BF_Nss1,(6Mbps)_2TX

5745MHz_TX

14/01/2021



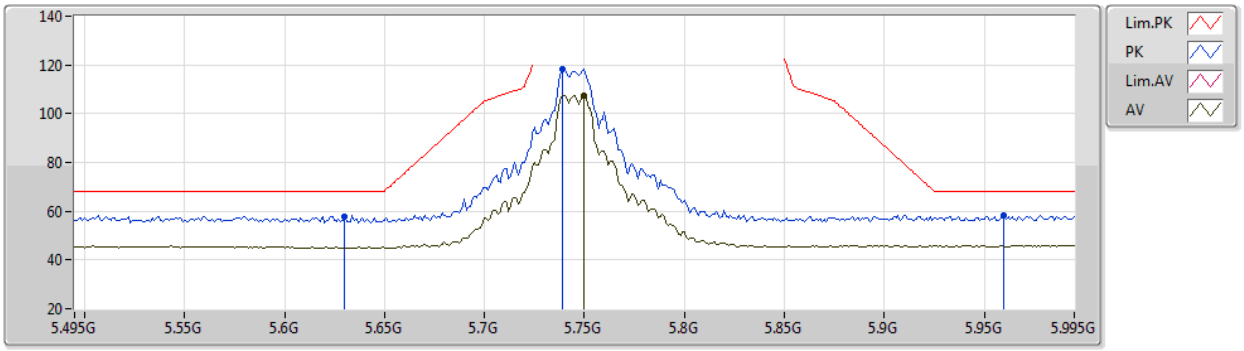
EUT Z_2TX
Setting 26
01-A-G-3-10
sample Q3

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	5.647G	58.13	68.20	-10.07	53.28	3	Vertical	186	2.45	-	33.89	5.42	34.46
PK	5.741G	118.53	Inf	-Inf	113.49	3	Vertical	186	2.45	-	34.06	5.47	34.49
AV	5.741G	108.21	Inf	-Inf	103.17	3	Vertical	186	2.45	-	34.06	5.47	34.49
PK	5.972G	58.81	68.20	-9.39	52.79	3	Vertical	186	2.45	-	35.09	5.50	34.57

802.11a-BF_Nss1,(6Mbps)_2TX

5745MHz_TX

14/01/2021



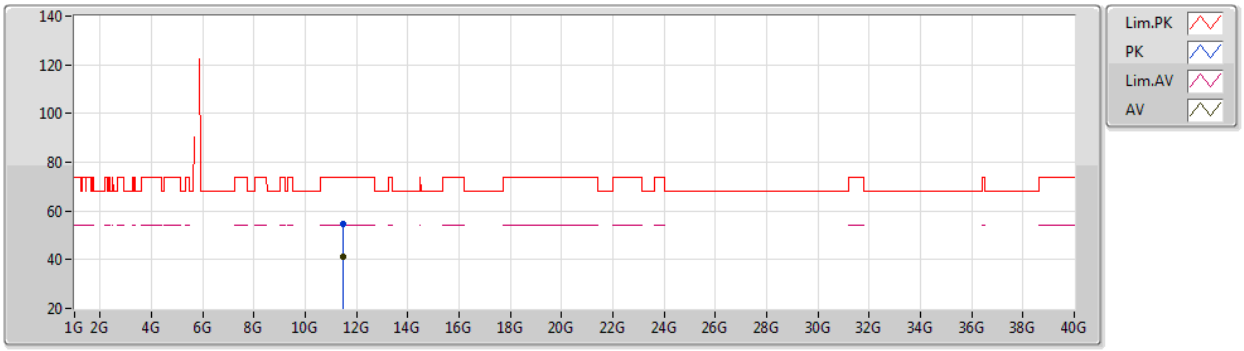
EUT Z_2TX
Setting 26
01-A-G-3-10
sample Q3

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	58.00	68.20	-10.20	53.17	3	Horizontal	209	2.20	-	33.86	5.42	34.45
PK	5.739G	118.25	Inf	-Inf	113.21	3	Horizontal	209	2.20	-	34.06	5.47	34.49
AV	5.75G	107.43	Inf	-Inf	102.35	3	Horizontal	209	2.20	-	34.10	5.47	34.49
PK	5.96G	58.13	68.20	-10.07	52.16	3	Horizontal	209	2.20	-	35.04	5.50	34.57

802.11a-BF_Nss1,(6Mbps)_2TX

5745MHz_TX

14/01/2021



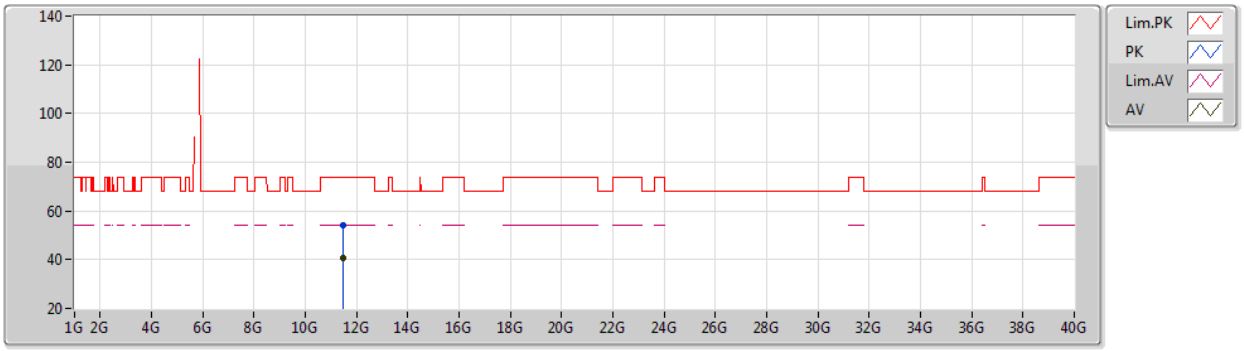
EUT Z_2TX
Setting 26
01-A-G-3
sample Q3

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	11.4958G	54.75	74.00	-19.25	43.00	3	Vertical	262	2.91	-	38.40	7.82	34.47
AV	11.4686G	41.00	54.00	-13.00	29.25	3	Vertical	262	2.91	-	38.40	7.81	34.46

802.11a-BF_Nss1,(6Mbps)_2TX

5745MHz_TX

14/01/2021



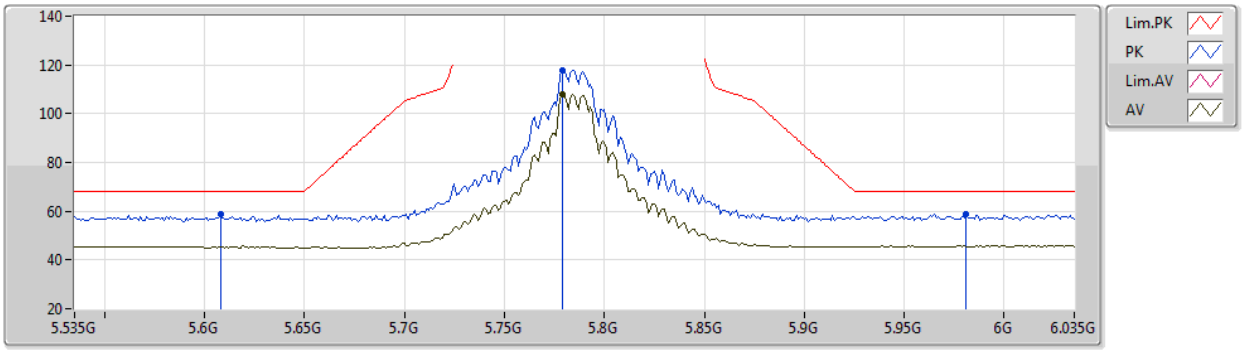
EUT Z_2TX
Setting 26
01-A-G-3
sample Q3

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	11.4826G	54.07	74.00	-19.93	42.32	3	Horizontal	264	1.80	-	38.40	7.82	34.47
AV	11.47G	40.92	54.00	-13.08	29.18	3	Horizontal	264	1.80	-	38.40	7.81	34.47

802.11a-BF_Nss1,(6Mbps)_2TX

5785MHz_TX

14/01/2021



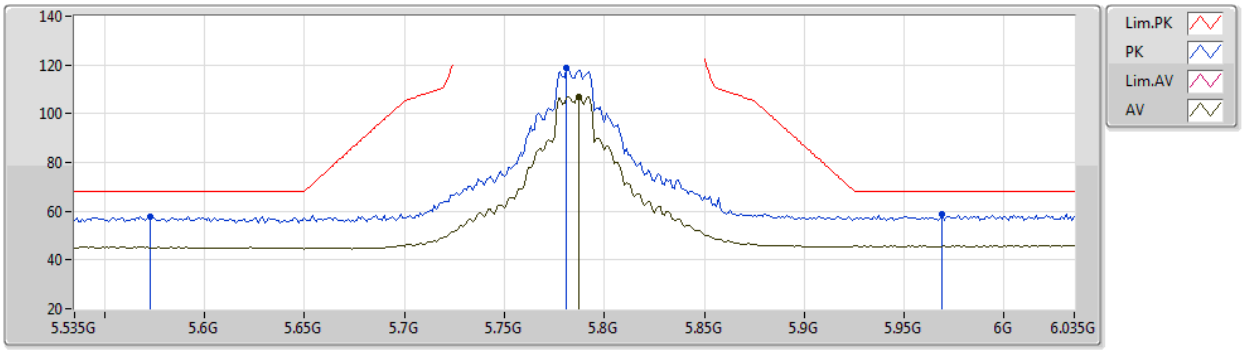
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.608G	58.58	68.20	-9.62	53.81	3	Vertical	182	2.46	-	33.82	5.40	34.45
PK	5.779G	117.99	Inf	-Inf	112.78	3	Vertical	182	2.46	-	34.22	5.49	34.50
AV	5.779G	107.81	Inf	-Inf	102.60	3	Vertical	182	2.46	-	34.22	5.49	34.50
PK	5.981G	58.71	68.20	-9.49	52.66	3	Vertical	182	2.46	-	35.12	5.50	34.57

802.11a-BF_Nss1,(6Mbps)_2TX

5785MHz_TX

14/01/2021



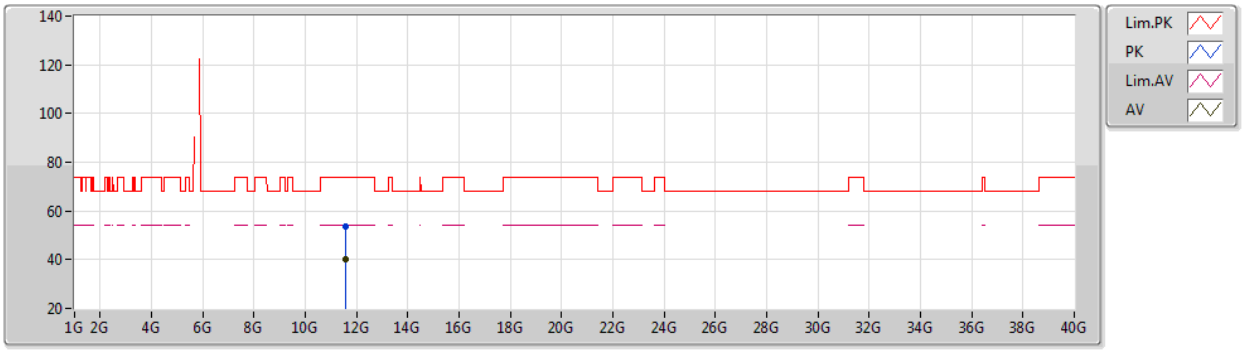
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.573G	57.92	68.20	-10.28	53.20	3	Horizontal	210	2.22	-	33.75	5.40	34.43
PK	5.781G	118.56	Inf	-Inf	113.36	3	Horizontal	210	2.22	-	34.22	5.49	34.51
AV	5.787G	106.88	Inf	-Inf	101.65	3	Horizontal	210	2.22	-	34.25	5.49	34.51
PK	5.969G	58.90	68.20	-9.30	52.89	3	Horizontal	210	2.22	-	35.08	5.50	34.57

802.11a-BF_Nss1,(6Mbps)_2TX

5785MHz_TX

14/01/2021



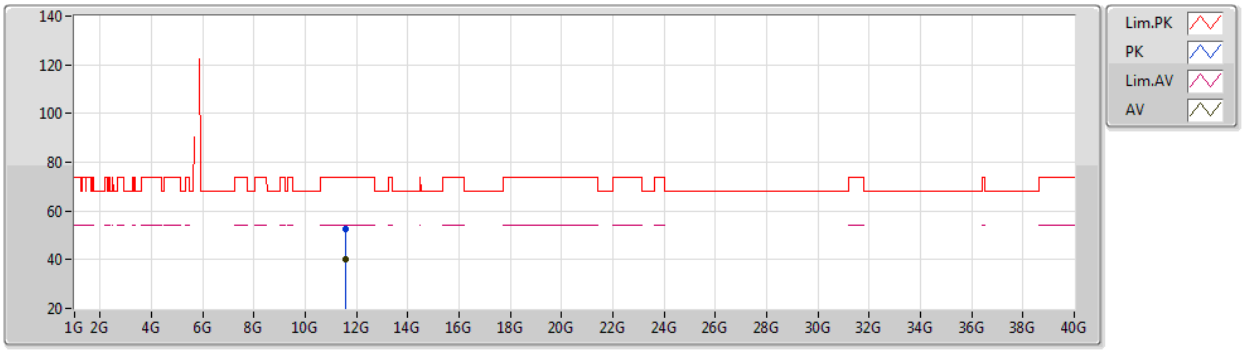
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.56694G	53.66	74.00	-20.34	41.89	3	Vertical	54	1.78	-	38.40	7.85	34.48
AV	11.56768G	40.26	54.00	-13.74	28.49	3	Vertical	54	1.78	-	38.40	7.85	34.48

802.11a-BF_Nss1,(6Mbps)_2TX

5785MHz_TX

14/01/2021



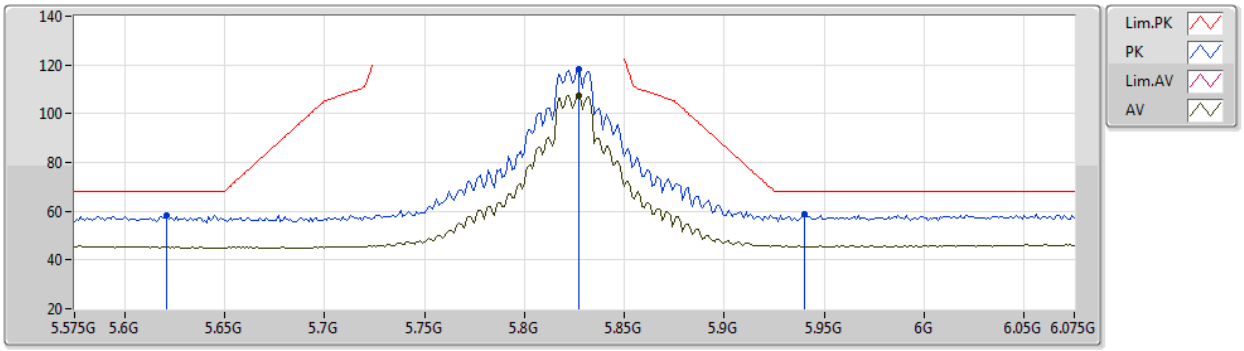
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.56776G	52.81	74.00	-21.19	41.04	3	Horizontal	148	1.36	-	38.40	7.85	34.48
AV	11.57068G	40.04	54.00	-13.96	28.27	3	Horizontal	148	1.36	-	38.40	7.85	34.48

802.11a-BF_Nss1,(6Mbps)_2TX

5825MHz_TX

14/01/2021



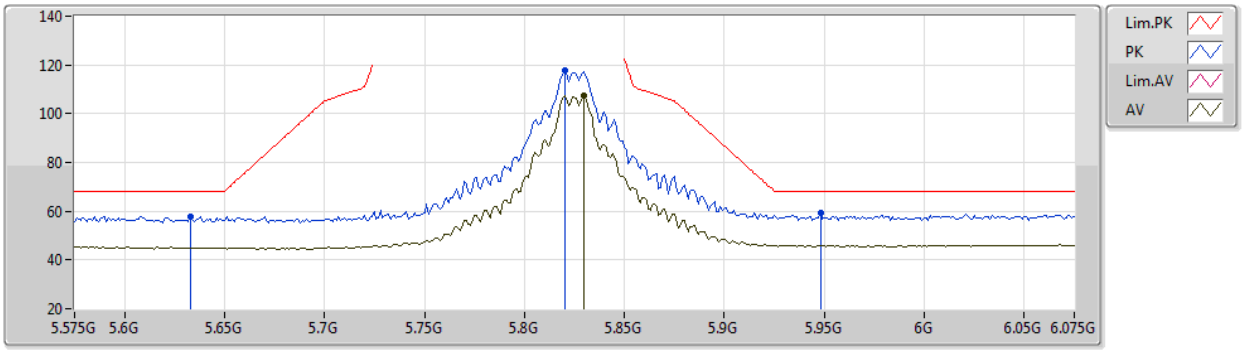
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.621G	58.34	68.20	-9.86	53.54	3	Vertical	182	2.42	-	33.84	5.41	34.45
PK	5.827G	118.11	Inf	-Inf	112.72	3	Vertical	182	2.42	-	34.41	5.50	34.52
AV	5.827G	107.57	Inf	-Inf	102.18	3	Vertical	182	2.42	-	34.41	5.50	34.52
PK	5.94G	58.74	68.20	-9.46	52.84	3	Vertical	182	2.42	-	34.96	5.50	34.56

802.11a-BF_Nss1,(6Mbps)_2TX

5825MHz_TX

14/01/2021



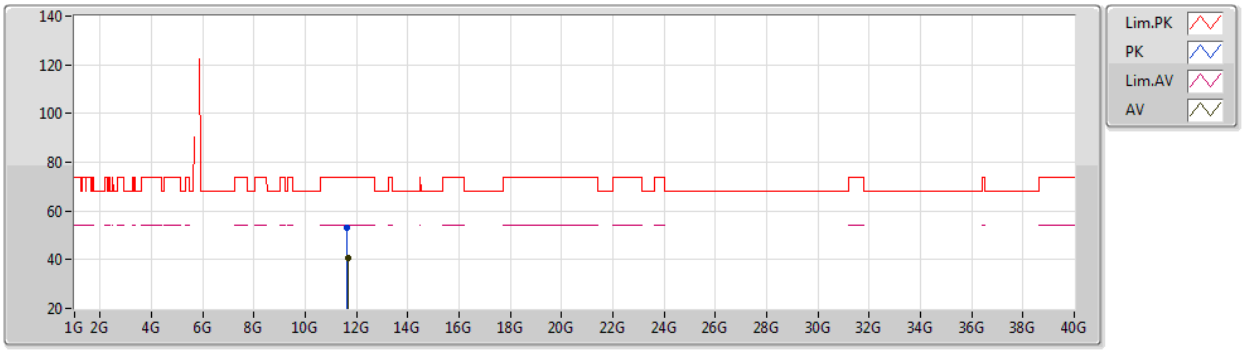
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.633G	57.94	68.20	-10.26	53.11	3	Horizontal	207	2.29	-	33.87	5.42	34.46
PK	5.82G	117.63	Inf	-Inf	112.27	3	Horizontal	207	2.29	-	34.38	5.50	34.52
AV	5.83G	107.26	Inf	-Inf	101.86	3	Horizontal	207	2.29	-	34.42	5.50	34.52
PK	5.948G	59.26	68.20	-8.94	53.33	3	Horizontal	207	2.29	-	34.99	5.50	34.56

802.11a-BF_Nss1,(6Mbps)_2TX

5825MHz_TX

14/01/2021



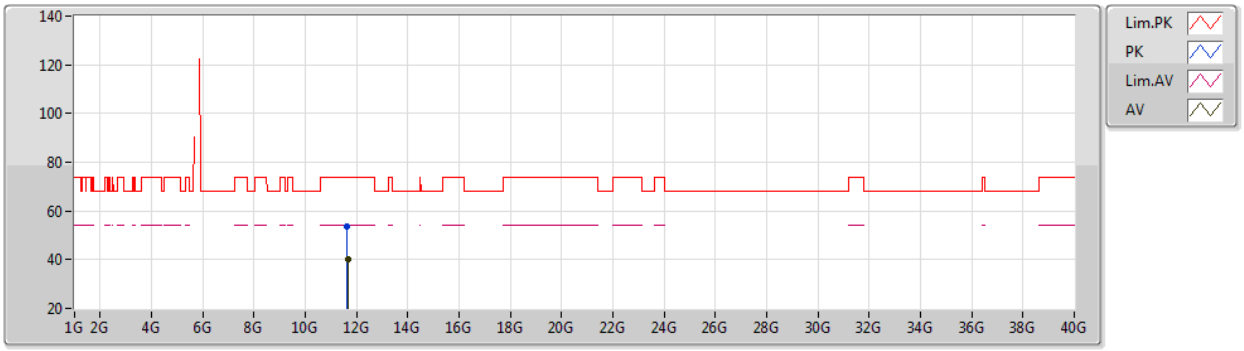
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.64674G	53.33	74.00	-20.67	41.49	3	Vertical	237	1.91	-	38.45	7.88	34.49
AV	11.64862G	40.52	54.00	-13.48	28.68	3	Vertical	237	1.91	-	38.45	7.88	34.49

802.11a-BF_Nss1,(6Mbps)_2TX

5825MHz_TX

14/01/2021



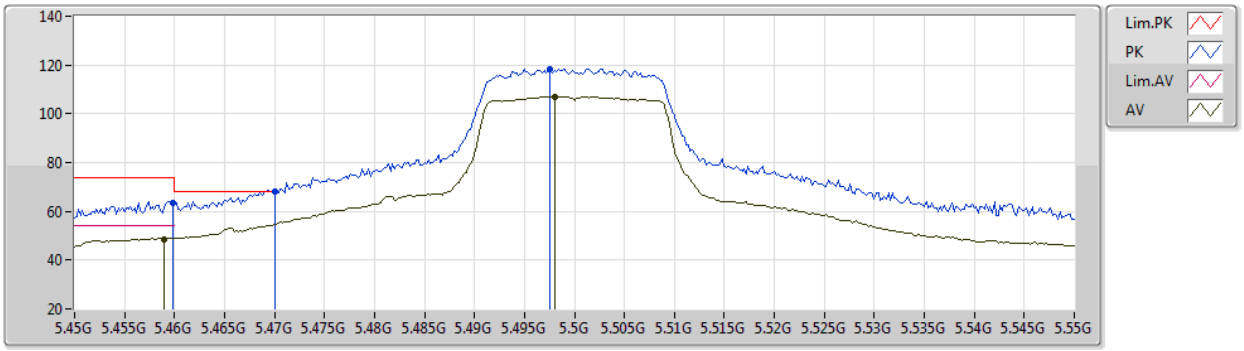
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.64722G	53.66	74.00	-20.34	41.82	3	Horizontal	95	2.97	-	38.45	7.88	34.49
AV	11.65336G	40.32	54.00	-13.68	28.48	3	Horizontal	95	2.97	-	38.45	7.88	34.49

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5500MHz_TX

14/01/2021



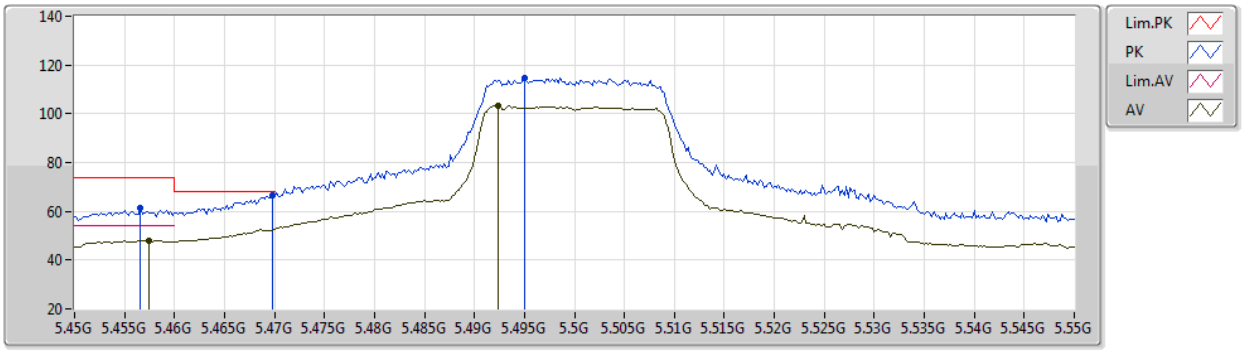
EUT Z_2TX
Setting 22.5
01-A-G-3-10
sample Q3

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	5.4598G	63.69	74.00	-10.31	59.28	3	Vertical	186	2.13	-	33.42	5.40	34.41
AV	5.459G	48.62	54.00	-5.38	44.21	3	Vertical	186	2.13	-	33.42	5.40	34.41
PK	5.47G	68.16	68.20	-0.04	63.73	3	Vertical	186	2.13	-	33.44	5.40	34.41
PK	5.4976G	118.44	Inf	-Inf	113.95	3	Vertical	186	2.13	-	33.50	5.40	34.41
AV	5.498G	106.79	Inf	-Inf	102.30	3	Vertical	186	2.13	-	33.50	5.40	34.41

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5500MHz_TX

14/01/2021



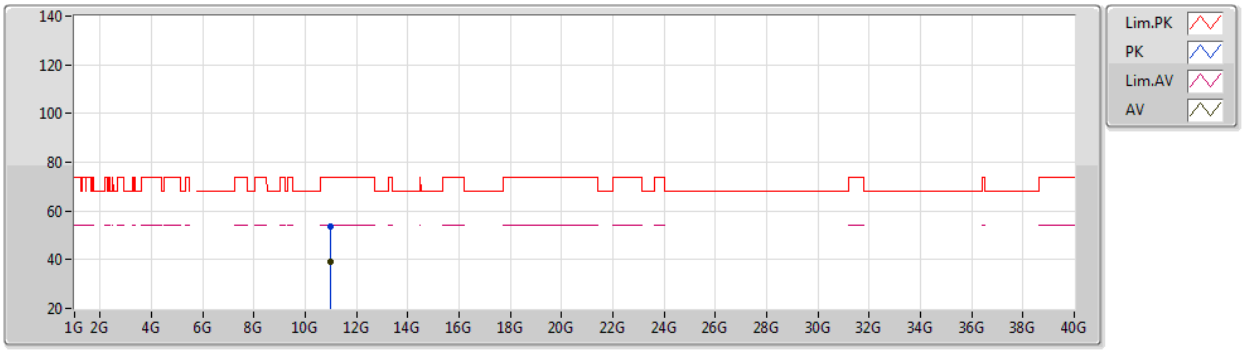
EUT Z_2TX
Setting 22.5
01-A-G-3-10
sample Q3

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	5.4566G	61.28	74.00	-12.72	56.89	3	Horizontal	193	2.35	-	33.41	5.40	34.42
AV	5.4574G	47.80	54.00	-6.20	43.41	3	Horizontal	193	2.35	-	33.41	5.40	34.42
PK	5.4698G	66.49	68.20	-1.71	62.06	3	Horizontal	193	2.35	-	33.44	5.40	34.41
PK	5.495G	114.67	Inf	-Inf	110.19	3	Horizontal	193	2.35	-	33.49	5.40	34.41
AV	5.4924G	103.15	Inf	-Inf	98.68	3	Horizontal	193	2.35	-	33.48	5.40	34.41

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5500MHz_TX

14/01/2021



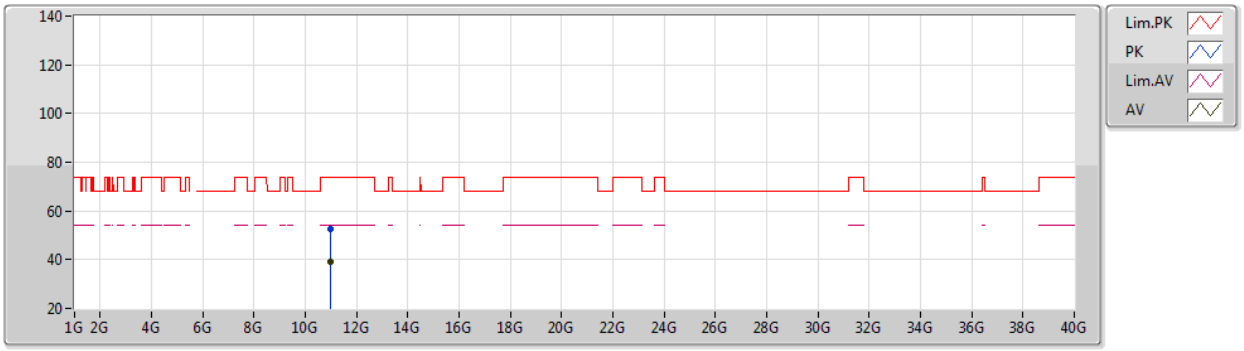
EUT Z_2TX
Setting 22.5
01-A-G-2
sample Q3

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	11.0032G	53.51	74.00	-20.49	42.05	3	Vertical	130	2.51	-	38.20	7.65	34.39
AV	11.0035G	39.12	54.00	-14.88	27.66	3	Vertical	130	2.51	-	38.20	7.65	34.39

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5500MHz_TX

14/01/2021



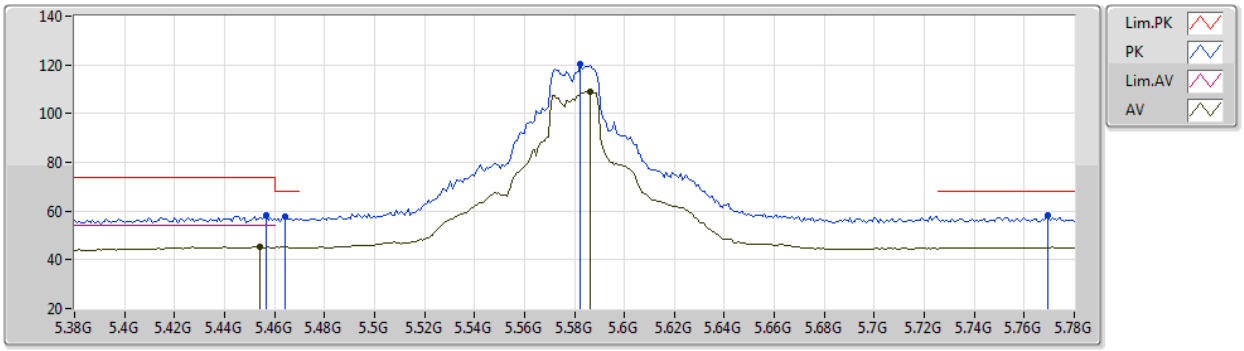
EUT Z_2TX
Setting 22.5
01-A-G-2
sample Q3

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	11.00332G	52.47	74.00	-21.53	41.01	3	Horizontal	311	2.90	-	38.20	7.65	34.39
AV	11.0033G	39.38	54.00	-14.62	27.92	3	Horizontal	311	2.90	-	38.20	7.65	34.39

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5580MHz_TX



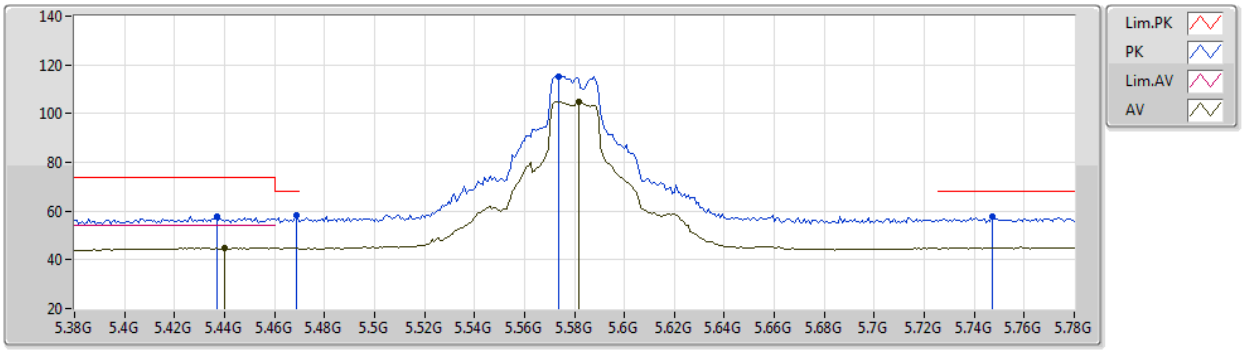
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.4568G	58.03	74.00	-15.97	53.64	3	Vertical	187	2.21	-	33.41	5.40	34.42
AV	5.4544G	45.29	54.00	-8.71	40.90	3	Vertical	187	2.21	-	33.41	5.40	34.42
PK	5.464G	57.54	68.20	-10.66	53.12	3	Vertical	187	2.21	-	33.43	5.40	34.41
PK	5.5824G	120.41	Inf	-Inf	115.69	3	Vertical	187	2.21	-	33.76	5.40	34.44
AV	5.5864G	108.88	Inf	-Inf	104.15	3	Vertical	187	2.21	-	33.77	5.40	34.44
PK	5.7696G	58.09	68.20	-10.11	52.93	3	Vertical	187	2.21	-	34.18	5.48	34.50

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5580MHz_TX

14/01/2021



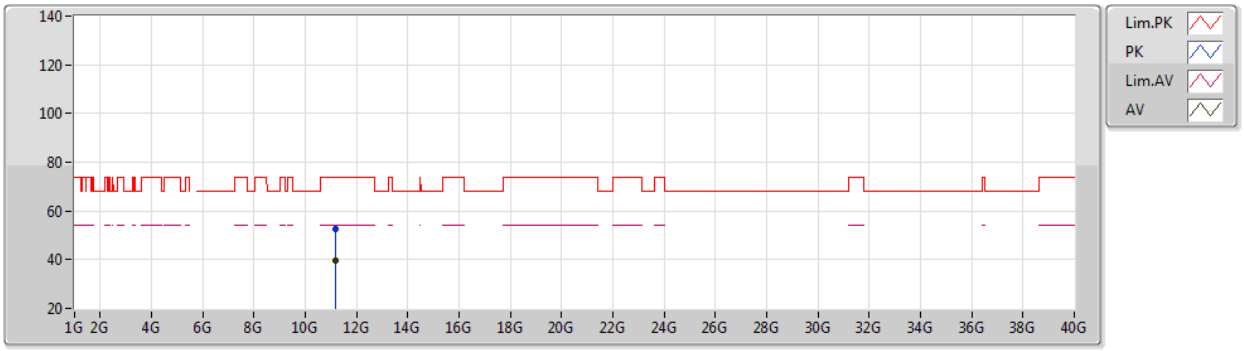
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.4368G	57.78	74.00	-16.22	53.45	3	Horizontal	250	2.28	-	33.35	5.40	34.42
AV	5.44G	44.94	54.00	-9.06	40.60	3	Horizontal	250	2.28	-	33.36	5.40	34.42
PK	5.4688G	58.10	68.20	-10.10	53.67	3	Horizontal	250	2.28	-	33.44	5.40	34.41
PK	5.5736G	115.41	Inf	-Inf	110.70	3	Horizontal	250	2.28	-	33.75	5.40	34.44
AV	5.5816G	104.65	Inf	-Inf	99.93	3	Horizontal	250	2.28	-	33.76	5.40	34.44
PK	5.7472G	57.61	68.20	-10.59	52.54	3	Horizontal	250	2.28	-	34.09	5.47	34.49

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5580MHz_TX



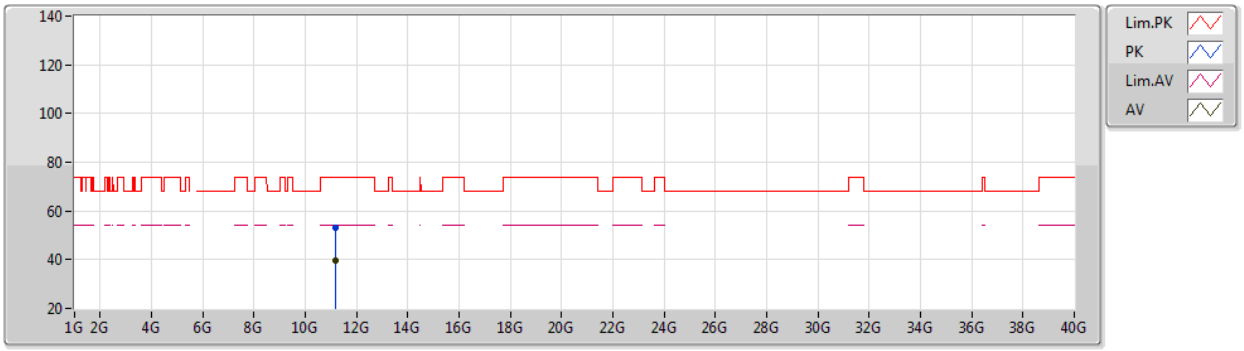
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.15758G	52.76	74.00	-21.24	41.23	3	Vertical	188	1.53	-	38.24	7.71	34.42
AV	11.15586G	39.59	54.00	-14.41	28.06	3	Vertical	188	1.53	-	38.24	7.70	34.41

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5580MHz_TX



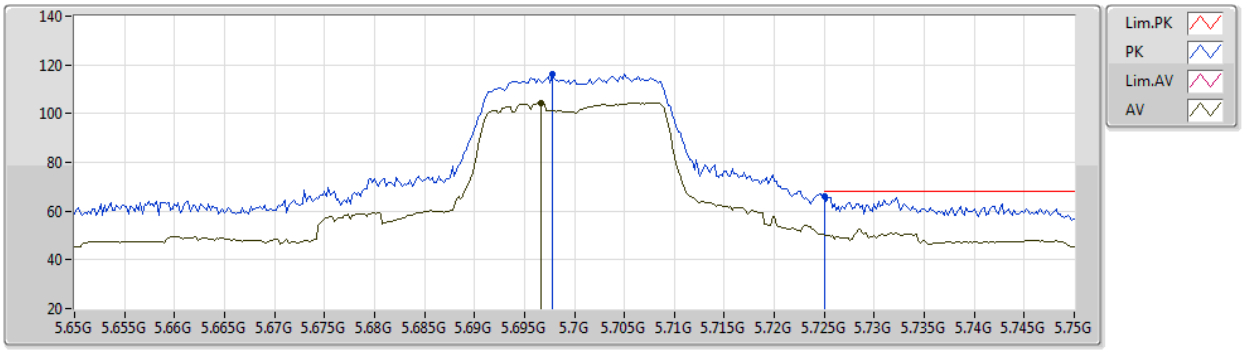
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.1578G	52.92	74.00	-21.08	41.39	3	Horizontal	84	1.37	-	38.24	7.71	34.42
AV	11.15676G	39.66	54.00	-14.34	28.14	3	Horizontal	84	1.37	-	38.24	7.70	34.42

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5700MHz_TX

14/01/2021



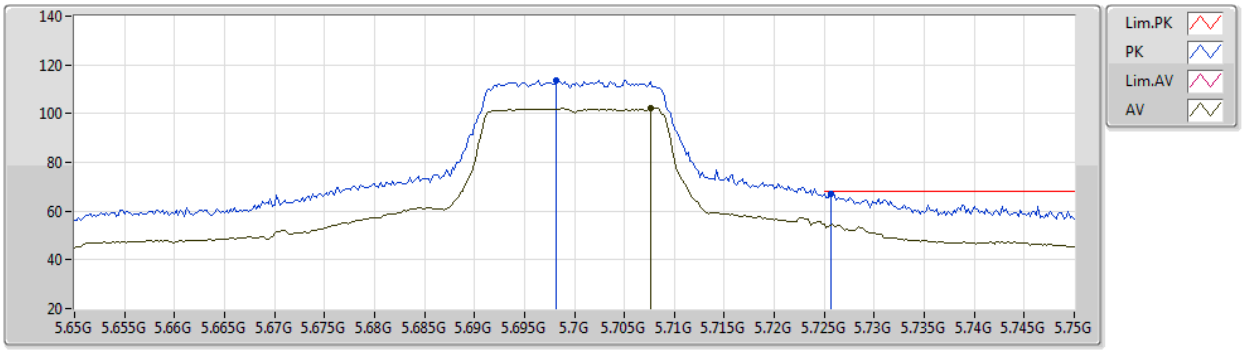
EUT Z_2TX
Setting 22.5
01-A-G-3-10
sample Q3

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	5.6978G	115.98	Inf	-Inf	111.11	3	Vertical	184	2.66	-	33.90	5.45	34.48
AV	5.6966G	104.40	Inf	-Inf	99.53	3	Vertical	184	2.66	-	33.90	5.45	34.48
PK	5.725G	66.11	68.20	-2.09	61.14	3	Vertical	184	2.66	-	34.00	5.46	34.49

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5700MHz_TX

14/01/2021



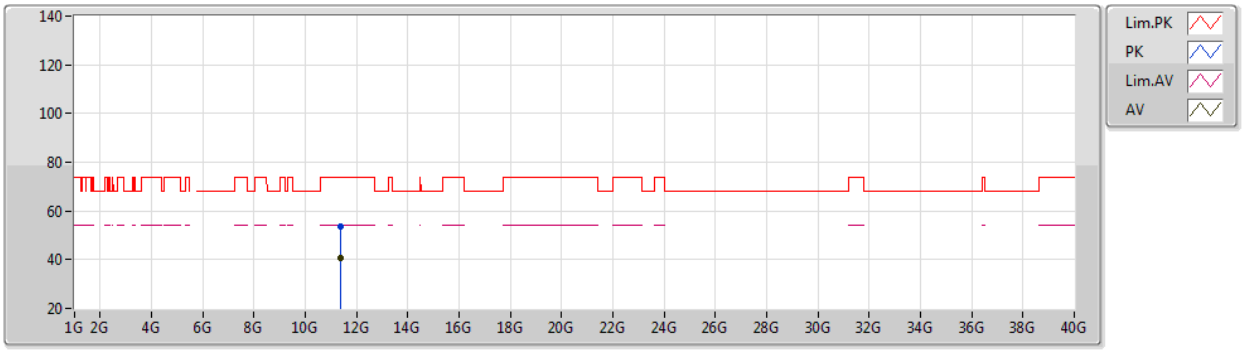
EUT Z_2TX
Setting 22.5
01-A-G-3-10
sample Q3

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	5.6982G	113.73	Inf	-Inf	108.86	3	Horizontal	211	2.30	-	33.90	5.45	34.48
AV	5.7076G	102.12	Inf	-Inf	97.22	3	Horizontal	211	2.30	-	33.93	5.45	34.48
PK	5.7256G	67.30	68.20	-0.90	62.33	3	Horizontal	211	2.30	-	34.00	5.46	34.49

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5700MHz_TX

14/01/2021



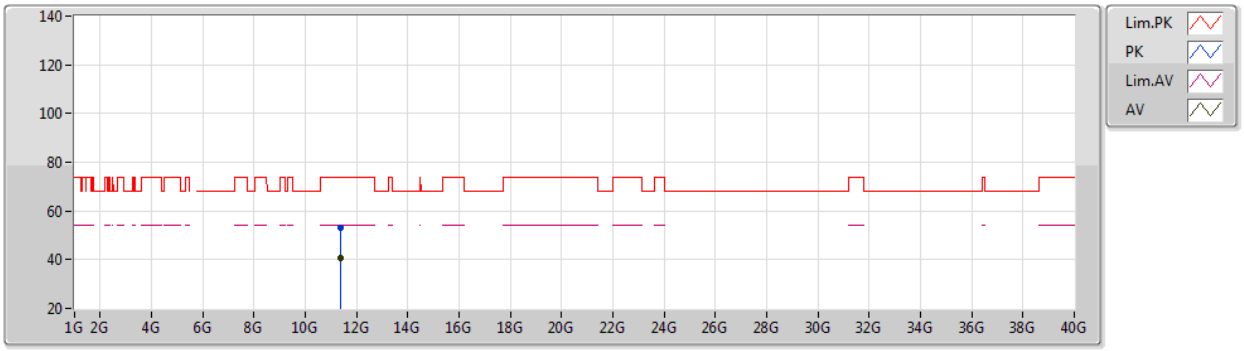
EUT Z_2TX
Setting 22.5
01-A-G-2
sample Q3

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	11.3986G	53.71	74.00	-20.29	41.97	3	Vertical	272	1.57	-	38.40	7.79	34.45
AV	11.39532G	40.49	54.00	-13.51	28.75	3	Vertical	272	1.57	-	38.40	7.79	34.45

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5700MHz_TX

14/01/2021



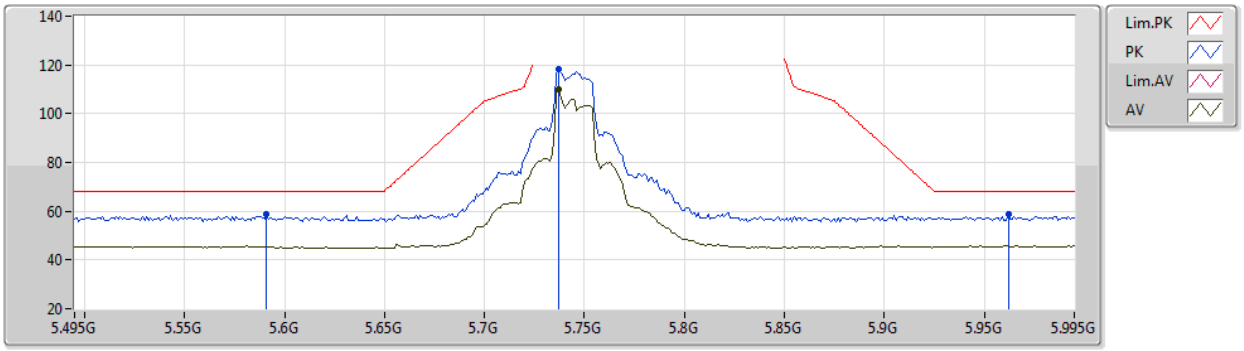
EUT Z_2TX
Setting 22.5
01-A-G-2
sample Q3

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	11.39516G	53.13	74.00	-20.87	41.39	3	Horizontal	100	2.51	-	38.40	7.79	34.45
AV	11.3954G	40.50	54.00	-13.50	28.76	3	Horizontal	100	2.51	-	38.40	7.79	34.45

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5745MHz_TX



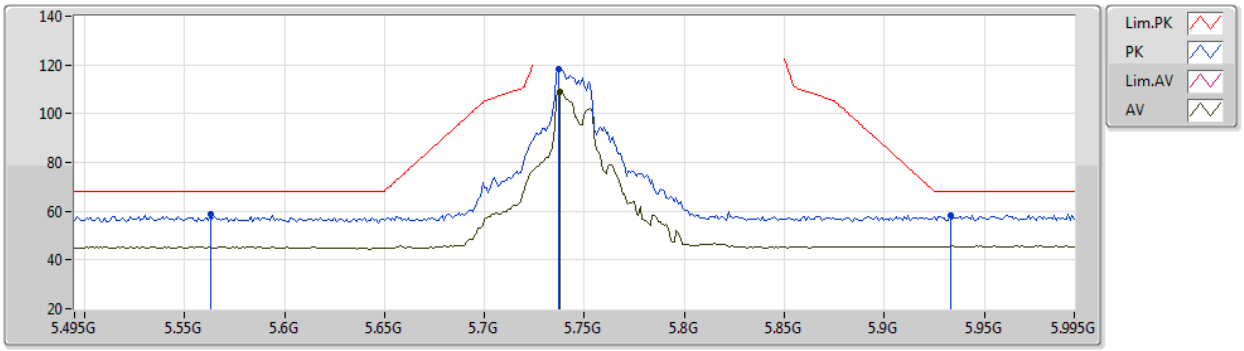
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.591G	58.78	68.20	-9.42	54.04	3	Vertical	187	1.55	-	33.78	5.40	34.44
PK	5.737G	118.11	Inf	-Inf	113.08	3	Vertical	187	1.55	-	34.05	5.47	34.49
AV	5.737G	109.76	Inf	-Inf	104.73	3	Vertical	187	1.55	-	34.05	5.47	34.49
PK	5.962G	58.83	68.20	-9.37	52.85	3	Vertical	187	1.55	-	35.05	5.50	34.57

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

14/01/2021



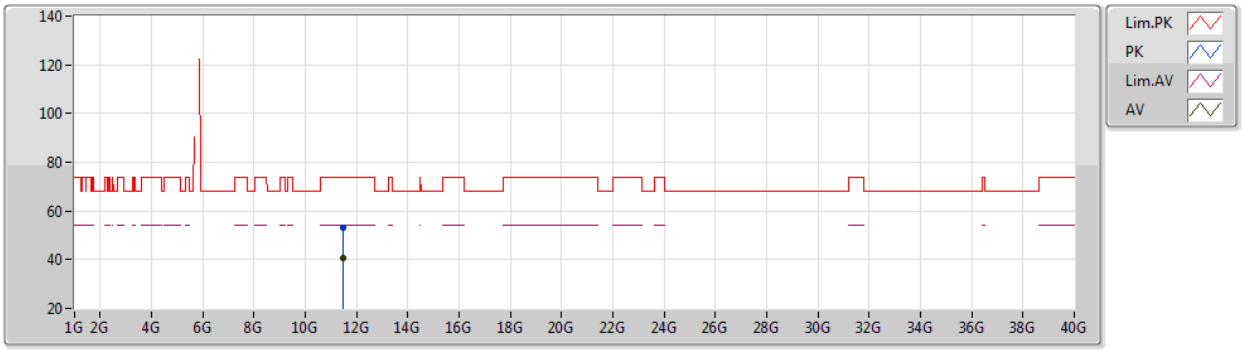
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.563G	58.70	68.20	-9.50	54.00	3	Horizontal	214	1.16	-	33.73	5.40	34.43
PK	5.737G	118.36	Inf	-Inf	113.33	3	Horizontal	214	1.16	-	34.05	5.47	34.49
AV	5.738G	108.86	Inf	-Inf	103.83	3	Horizontal	214	1.16	-	34.05	5.47	34.49
PK	5.933G	58.46	68.20	-9.74	52.59	3	Horizontal	214	1.16	-	34.93	5.50	34.56

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5745MHz_TX



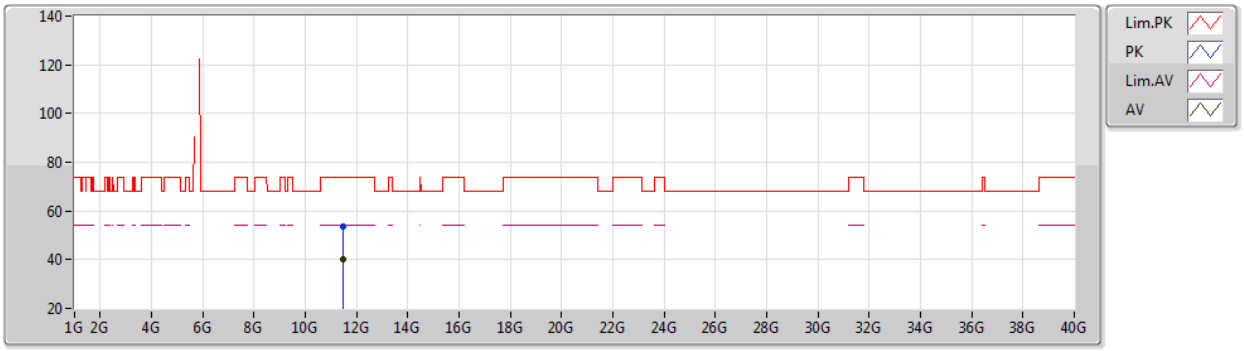
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.49336G	53.34	74.00	-20.66	41.59	3	Vertical	45	2.18	-	38.40	7.82	34.47
AV	11.49094G	40.47	54.00	-13.53	28.72	3	Vertical	45	2.18	-	38.40	7.82	34.47

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5745MHz_TX



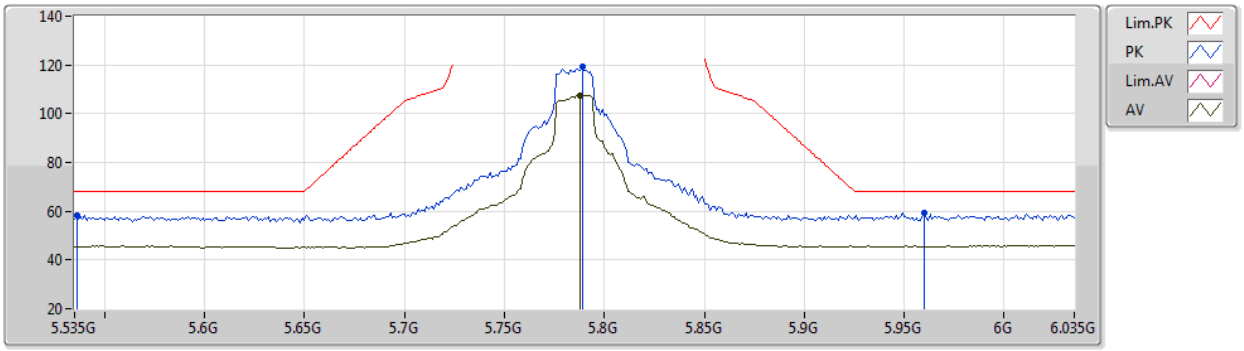
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.4876G	53.67	74.00	-20.33	41.92	3	Horizontal	92	2.21	-	38.40	7.82	34.47
AV	11.49028G	40.36	54.00	-13.64	28.61	3	Horizontal	92	2.21	-	38.40	7.82	34.47

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

14/01/2021



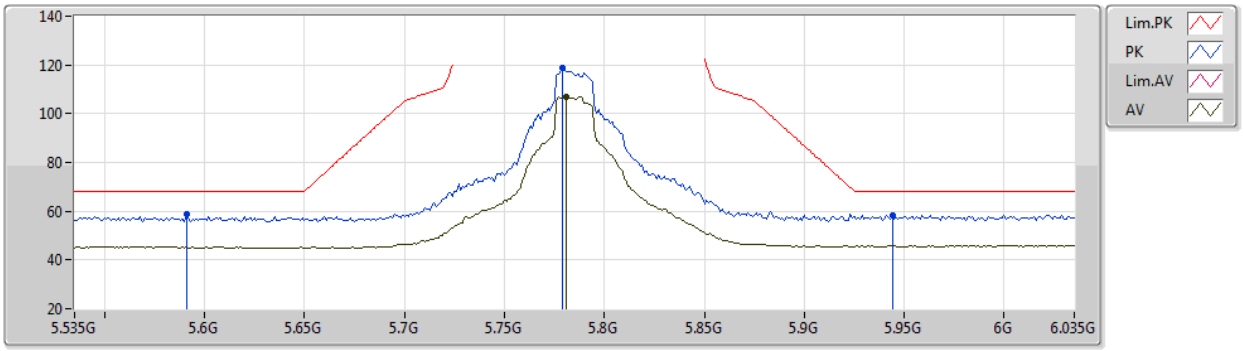
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.536G	58.37	68.20	-9.83	53.75	3	Vertical	185	2.43	-	33.64	5.40	34.42
PK	5.789G	119.21	Inf	-Inf	113.97	3	Vertical	185	2.43	-	34.26	5.49	34.51
AV	5.788G	107.53	Inf	-Inf	102.30	3	Vertical	185	2.43	-	34.25	5.49	34.51
PK	5.96G	59.40	68.20	-8.80	53.43	3	Vertical	185	2.43	-	35.04	5.50	34.57

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5785MHz_TX



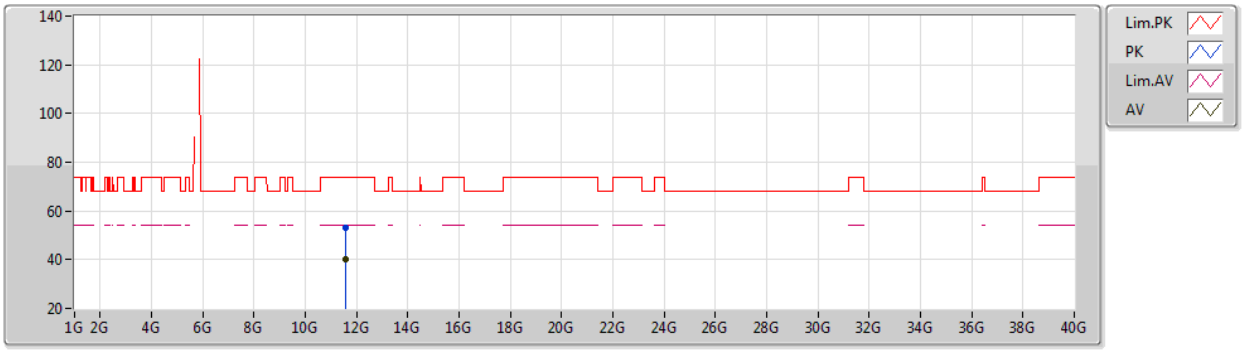
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.591G	58.58	68.20	-9.62	53.84	3	Horizontal	214	1.00	-	33.78	5.40	34.44
PK	5.779G	118.70	Inf	-Inf	113.49	3	Horizontal	214	1.00	-	34.22	5.49	34.50
AV	5.781G	106.76	Inf	-Inf	101.56	3	Horizontal	214	1.00	-	34.22	5.49	34.51
PK	5.944G	58.24	68.20	-9.96	52.32	3	Horizontal	214	1.00	-	34.98	5.50	34.56

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5785MHz_TX



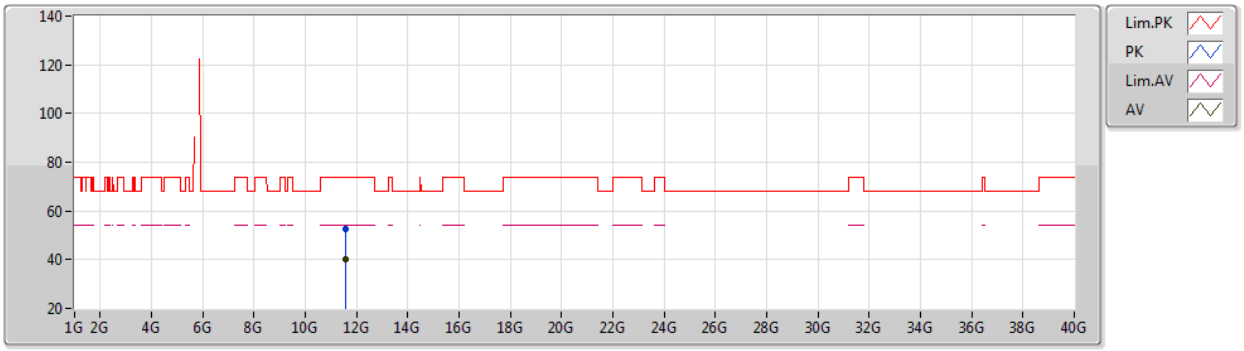
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.57172G	53.25	74.00	-20.75	41.48	3	Vertical	106	2.05	-	38.40	7.85	34.48
AV	11.57784G	40.01	54.00	-13.99	28.24	3	Vertical	106	2.05	-	38.40	7.85	34.48

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5785MHz_TX



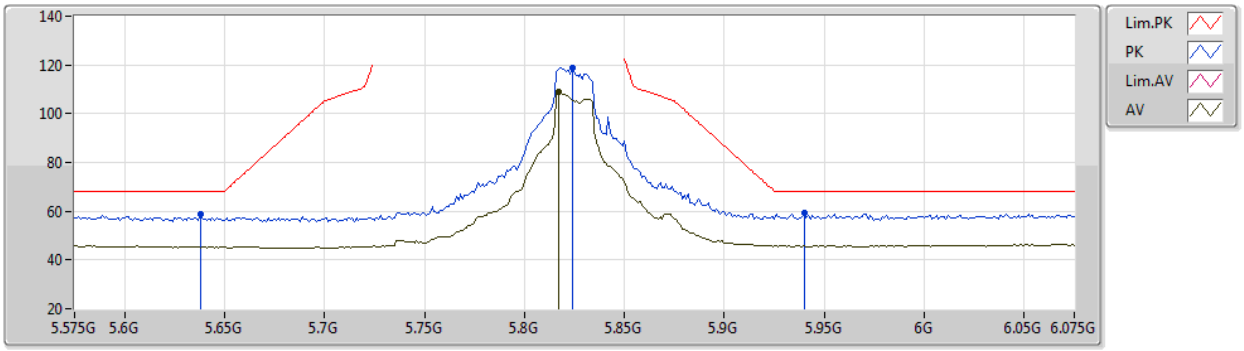
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.56424G	52.71	74.00	-21.29	40.94	3	Horizontal	28	1.14	-	38.40	7.85	34.48
AV	11.57536G	40.11	54.00	-13.89	28.34	3	Horizontal	28	1.14	-	38.40	7.85	34.48

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5825MHz_TX



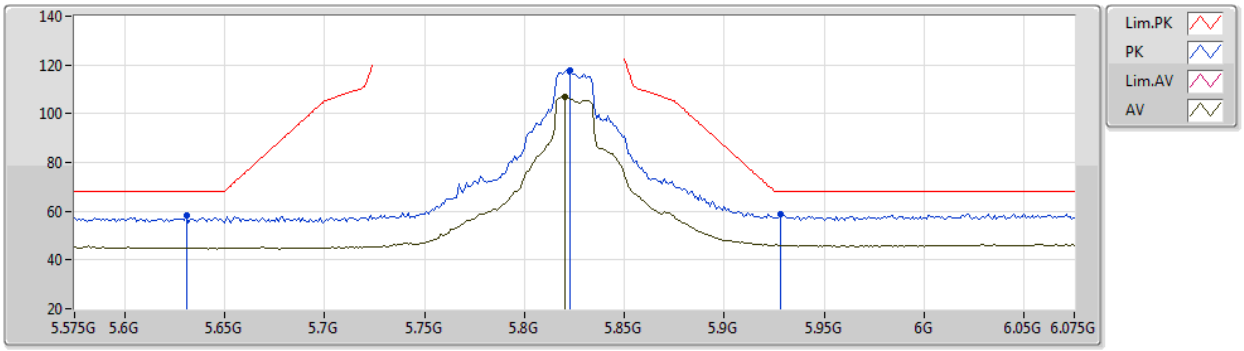
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.638G	58.68	68.20	-9.52	53.84	3	Vertical	138	2.19	-	33.88	5.42	34.46
PK	5.824G	118.91	Inf	-Inf	113.53	3	Vertical	138	2.19	-	34.40	5.50	34.52
AV	5.817G	108.84	Inf	-Inf	103.49	3	Vertical	138	2.19	-	34.37	5.50	34.52
PK	5.94G	59.36	68.20	-8.84	53.46	3	Vertical	138	2.19	-	34.96	5.50	34.56

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5825MHz_TX



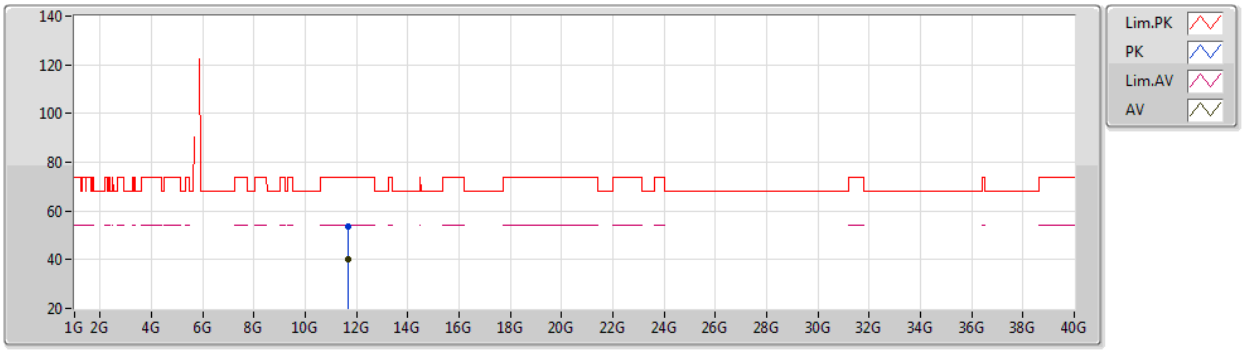
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.631G	58.07	68.20	-10.13	53.24	3	Horizontal	212	2.44	-	33.86	5.42	34.45
PK	5.823G	117.79	Inf	-Inf	112.42	3	Horizontal	212	2.44	-	34.39	5.50	34.52
AV	5.82G	106.69	Inf	-Inf	101.33	3	Horizontal	212	2.44	-	34.38	5.50	34.52
PK	5.928G	58.67	68.20	-9.53	52.82	3	Horizontal	212	2.44	-	34.91	5.50	34.56

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5825MHz_TX



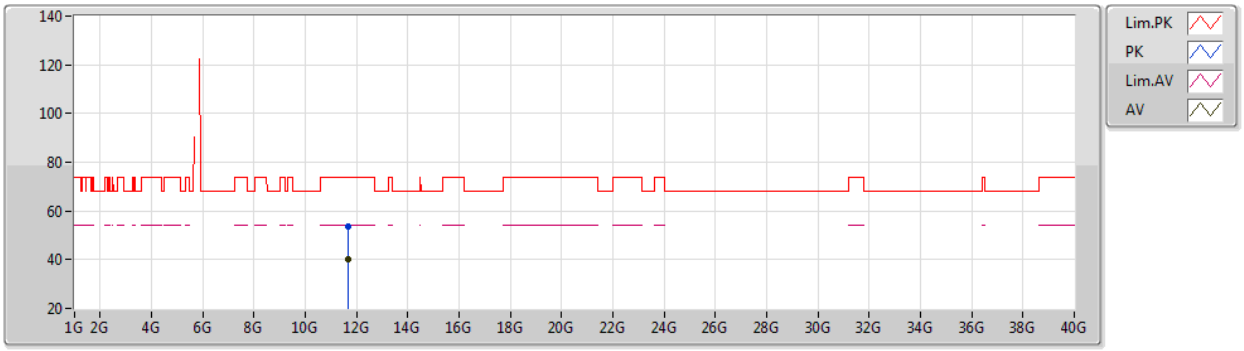
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.65084G	53.73	74.00	-20.27	41.89	3	Vertical	105	2.68	-	38.45	7.88	34.49
AV	11.65112G	40.21	54.00	-13.79	28.37	3	Vertical	105	2.68	-	38.45	7.88	34.49

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/01/2021

5825MHz_TX



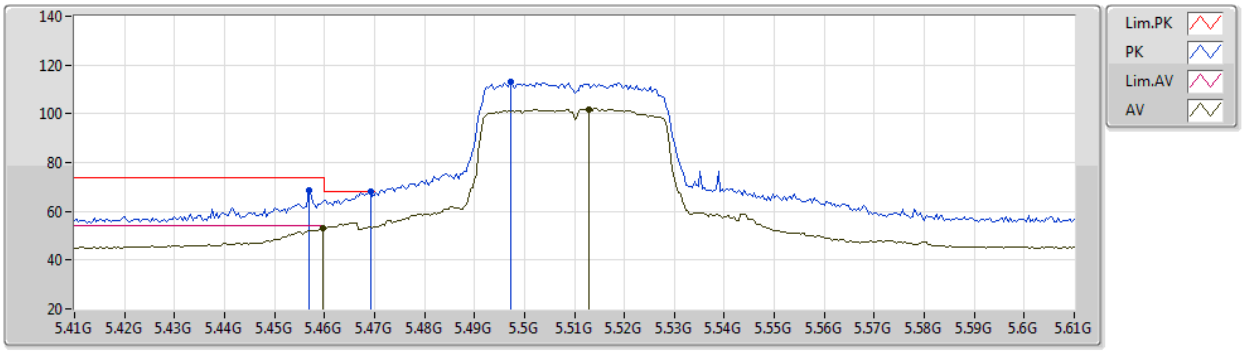
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.65796G	53.69	74.00	-20.31	41.85	3	Horizontal	81	2.55	-	38.46	7.88	34.50
AV	11.65972G	40.32	54.00	-13.68	28.48	3	Horizontal	81	2.55	-	38.46	7.88	34.50

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5510MHz_TX



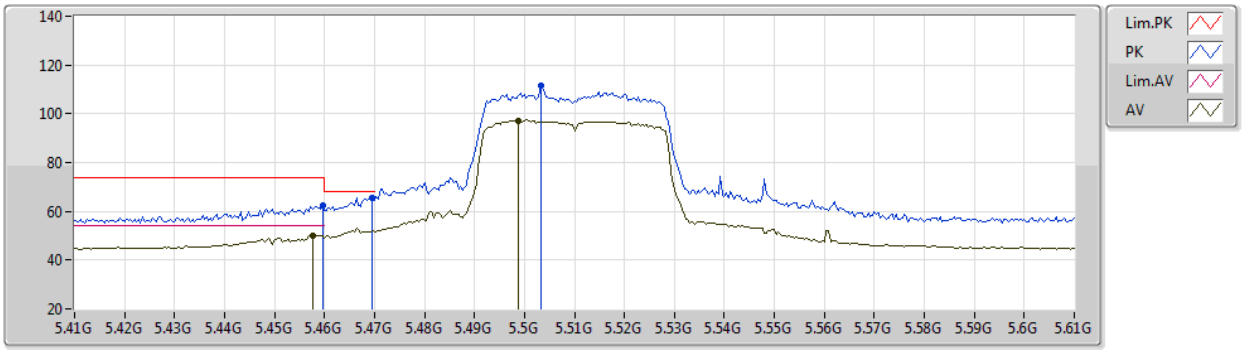
EUT Z_2TX
Setting 20
01-A-G-3-10
sample Q3

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	5.4568G	68.77	74.00	-5.23	64.38	3	Vertical	189	2.26	-	33.41	5.40	34.42
AV	5.4596G	52.91	54.00	-1.09	48.50	3	Vertical	189	2.26	-	33.42	5.40	34.41
PK	5.4692G	67.92	68.20	-0.28	63.49	3	Vertical	189	2.26	-	33.44	5.40	34.41
PK	5.4972G	112.88	Inf	-Inf	108.40	3	Vertical	189	2.26	-	33.49	5.40	34.41
AV	5.5128G	101.95	Inf	-Inf	97.41	3	Vertical	189	2.26	-	33.55	5.40	34.41

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5510MHz_TX



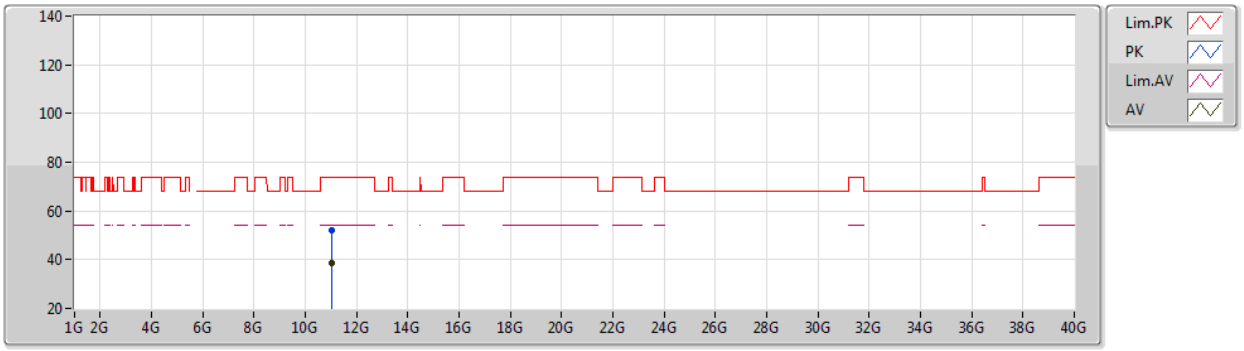
EUT Z_2TX
Setting 20
01-A-G-3-10
sample Q3

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	5.4596G	62.36	74.00	-11.64	57.95	3	Horizontal	208	2.20	-	33.42	5.40	34.41
AV	5.4576G	50.07	54.00	-3.93	45.67	3	Horizontal	208	2.20	-	33.42	5.40	34.42
PK	5.4696G	65.49	68.20	-2.71	61.06	3	Horizontal	208	2.20	-	33.44	5.40	34.41
PK	5.5032G	111.30	Inf	-Inf	106.80	3	Horizontal	208	2.20	-	33.51	5.40	34.41
AV	5.4988G	97.25	Inf	-Inf	92.76	3	Horizontal	208	2.20	-	33.50	5.40	34.41

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5510MHz_TX

14/01/2021



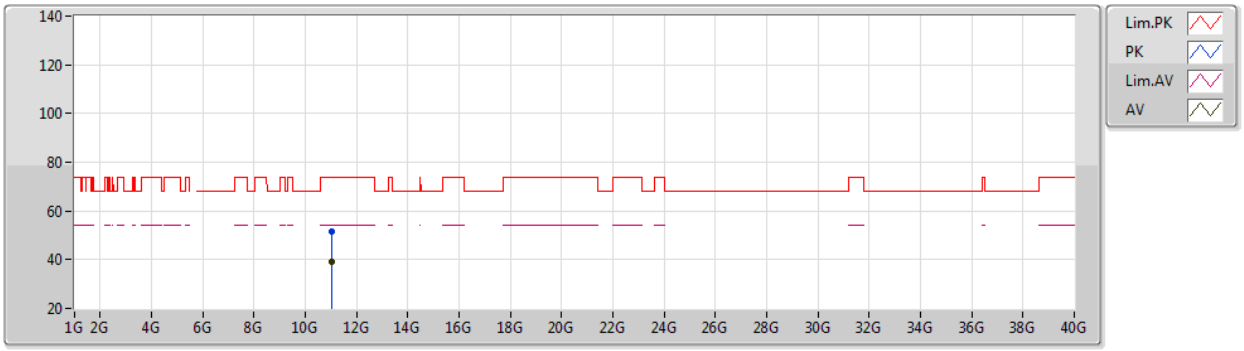
EUT Z_2TX
Setting 20
01-A-G-2
sample Q3

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	11.01518G	51.98	74.00	-22.02	40.49	3	Vertical	360	2.18	-	38.22	7.66	34.39
AV	11.01626G	38.60	54.00	-15.40	27.11	3	Vertical	360	2.18	-	38.22	7.66	34.39

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5510MHz_TX

14/01/2021



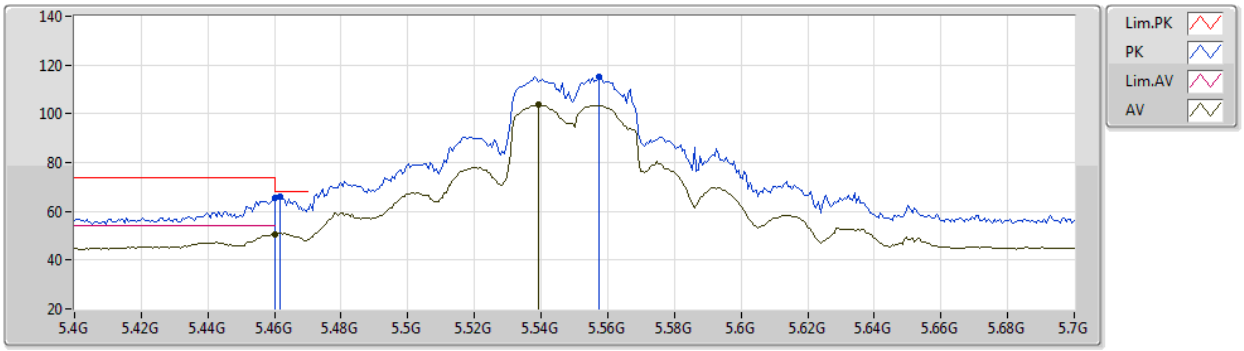
EUT Z_2TX
Setting 20
01-A-G-2
sample Q3

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	11.01688G	51.41	74.00	-22.59	39.92	3	Horizontal	338	1.87	-	38.22	7.66	34.39
AV	11.0193G	38.92	54.00	-15.08	27.43	3	Horizontal	338	1.87	-	38.22	7.66	34.39

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5550MHz_TX



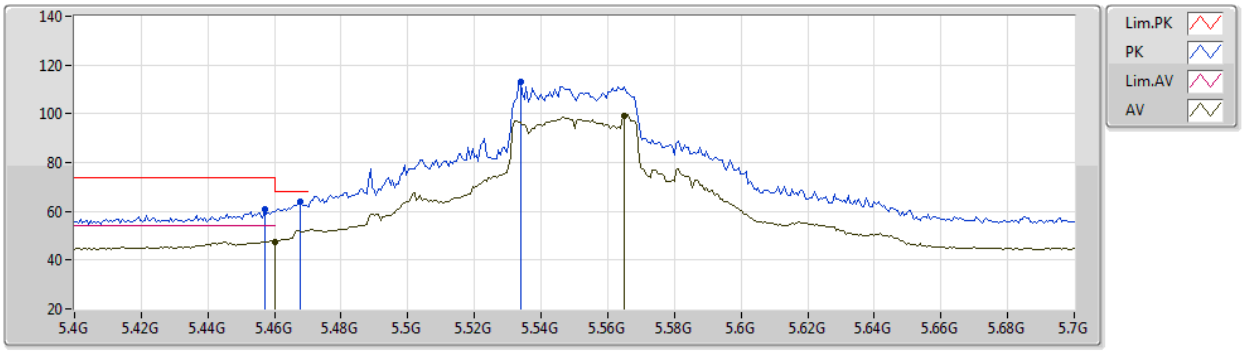
EUT Z_2TX
Setting 24
01-A-G-3-10
sample Q3

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	5.46G	65.31	74.00	-8.69	60.90	3	Vertical	193	1.14	-	33.42	5.40	34.41
AV	5.46G	50.64	54.00	-3.36	46.23	3	Vertical	193	1.14	-	33.42	5.40	34.41
PK	5.4618G	66.25	68.20	-1.95	61.84	3	Vertical	193	1.14	-	33.42	5.40	34.41
PK	5.5572G	115.05	Inf	-Inf	110.37	3	Vertical	193	1.14	-	33.71	5.40	34.43
AV	5.5392G	103.63	Inf	-Inf	98.99	3	Vertical	193	1.14	-	33.66	5.40	34.42

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5550MHz_TX



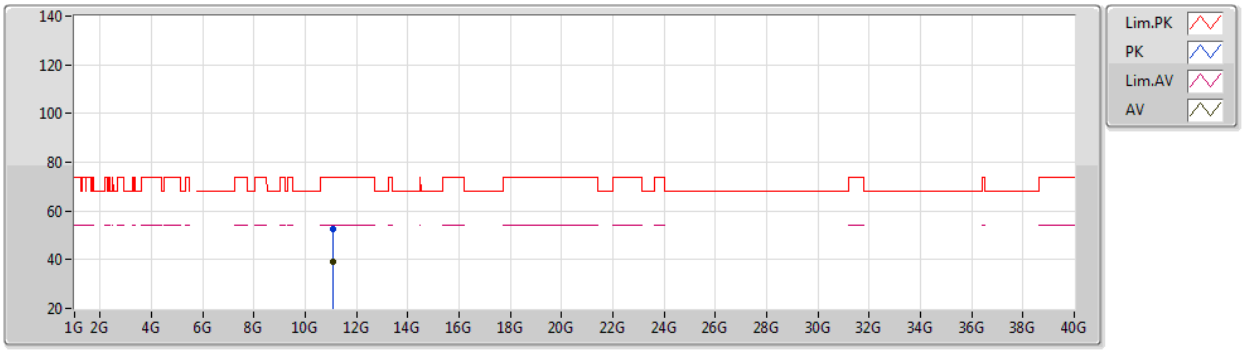
EUT Z_2TX
Setting 24
01-A-G-3-10
sample Q3

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	5.457G	60.80	74.00	-13.20	56.41	3	Horizontal	207	1.79	-	33.41	5.40	34.42
AV	5.46G	47.62	54.00	-6.38	43.21	3	Horizontal	207	1.79	-	33.42	5.40	34.41
PK	5.4678G	63.94	68.20	-4.26	59.51	3	Horizontal	207	1.79	-	33.44	5.40	34.41
PK	5.5338G	113.15	Inf	-Inf	108.53	3	Horizontal	207	1.79	-	33.64	5.40	34.42
AV	5.565G	99.37	Inf	-Inf	94.67	3	Horizontal	207	1.79	-	33.73	5.40	34.43

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5550MHz_TX

14/01/2021



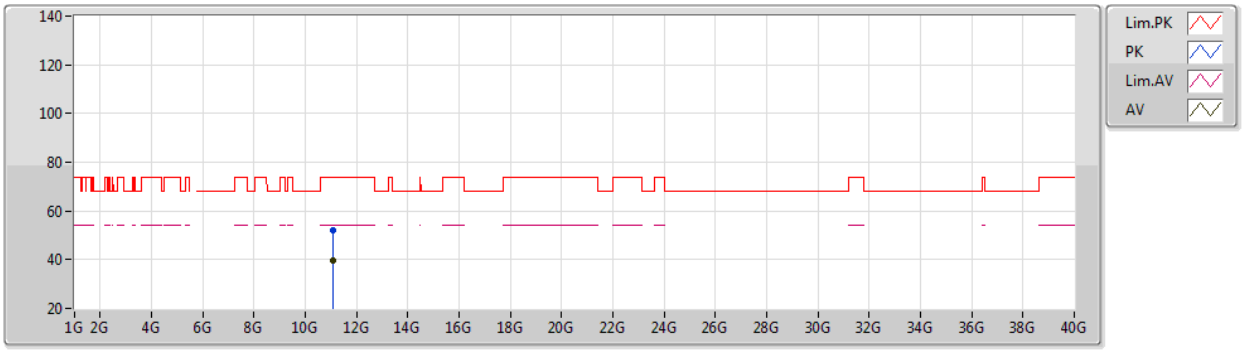
EUT Z_2TX
Setting 24
01-A-G-2
sample Q3

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	11.09896G	52.82	74.00	-21.18	41.25	3	Vertical	266	1.79	-	38.30	7.68	34.41
AV	11.09534G	39.25	54.00	-14.75	27.68	3	Vertical	266	1.79	-	38.30	7.68	34.41

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5550MHz_TX

14/01/2021



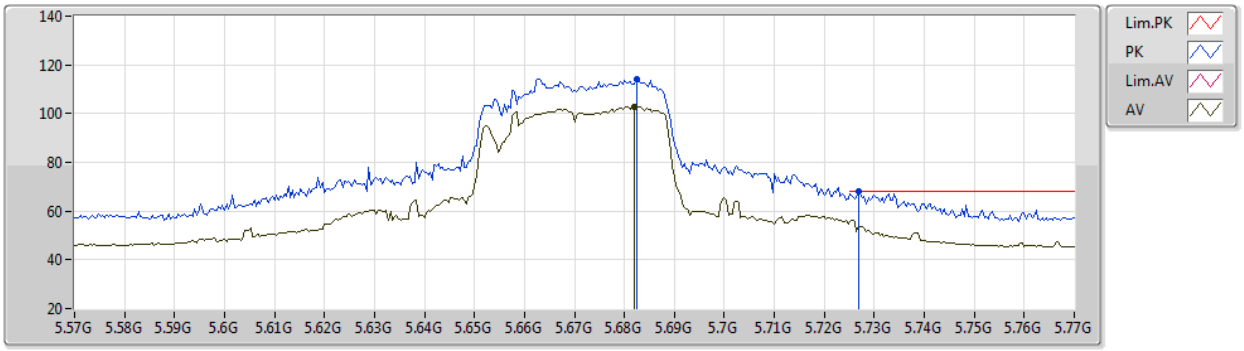
EUT Z_2TX
Setting 24
01-A-G-2
sample Q3

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	11.09614G	51.94	74.00	-22.06	40.37	3	Horizontal	220	1.79	-	38.30	7.68	34.41
AV	11.10282G	39.40	54.00	-14.60	27.82	3	Horizontal	220	1.79	-	38.30	7.69	34.41

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5670MHz_TX

14/01/2021



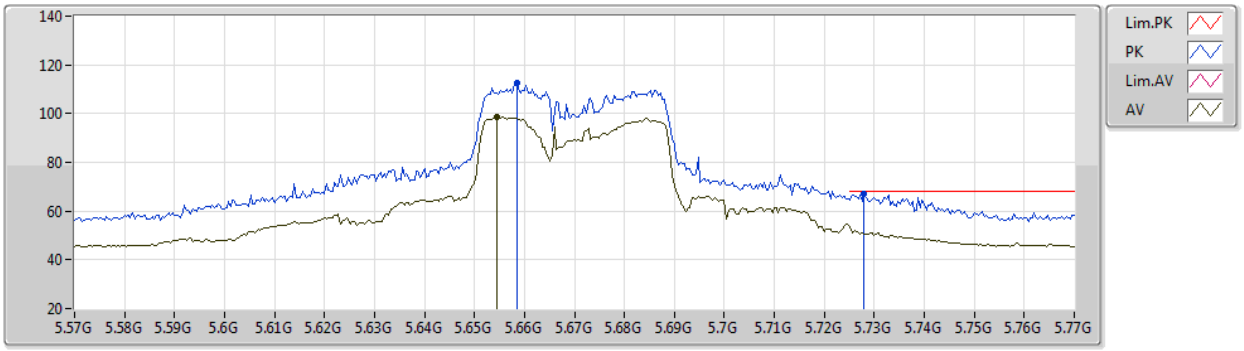
EUT Z_2TX
Setting 22
01-A-G-3-10
sample Q3

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	5.6824G	114.35	Inf	-Inf	109.48	3	Vertical	187	2.02	-	33.90	5.44	34.47
AV	5.682G	102.75	Inf	-Inf	97.88	3	Vertical	187	2.02	-	33.90	5.44	34.47
PK	5.7268G	68.00	68.20	-0.20	63.02	3	Vertical	187	2.02	-	34.01	5.46	34.49

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5670MHz_TX

14/01/2021



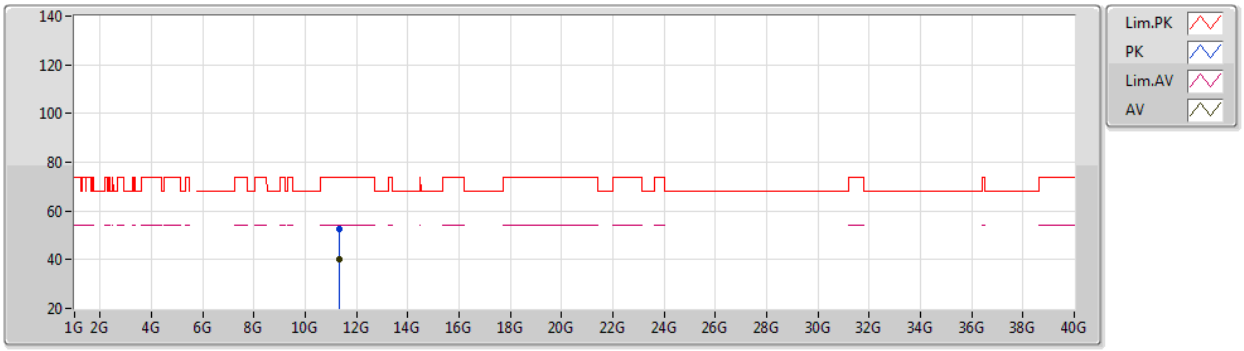
EUT Z_2TX
Setting 22
01-A-G-3-10
sample Q3

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	5.6584G	112.54	Inf	-Inf	107.67	3	Horizontal	205	1.94	-	33.90	5.43	34.46
AV	5.6544G	98.39	Inf	-Inf	93.52	3	Horizontal	205	1.94	-	33.90	5.43	34.46
PK	5.728G	67.32	68.20	-0.88	62.34	3	Horizontal	205	1.94	-	34.01	5.46	34.49

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5670MHz_TX

14/01/2021



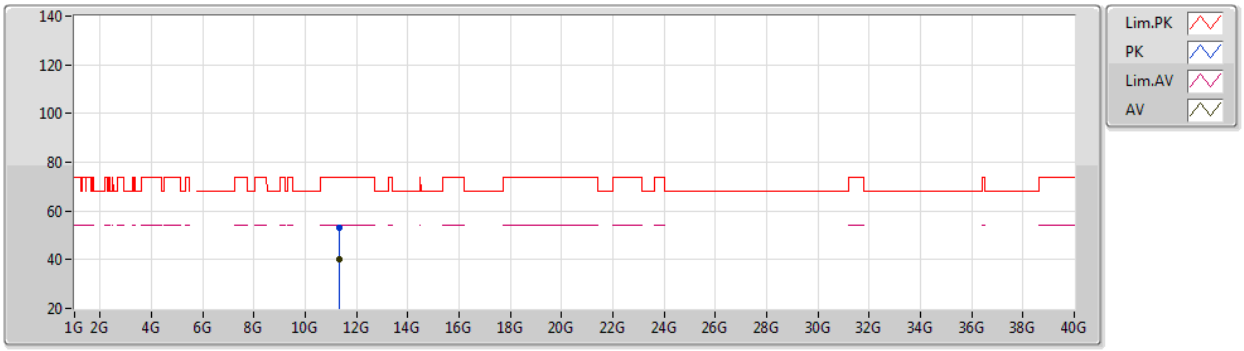
EUT Z_2TX
Setting 22
01-A-G-2
sample Q3

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	11.33606G	52.68	74.00	-21.32	41.01	3	Vertical	88	2.55	-	38.34	7.77	34.44
AV	11.33508G	40.21	54.00	-13.79	28.54	3	Vertical	88	2.55	-	38.34	7.77	34.44

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5670MHz_TX

14/01/2021



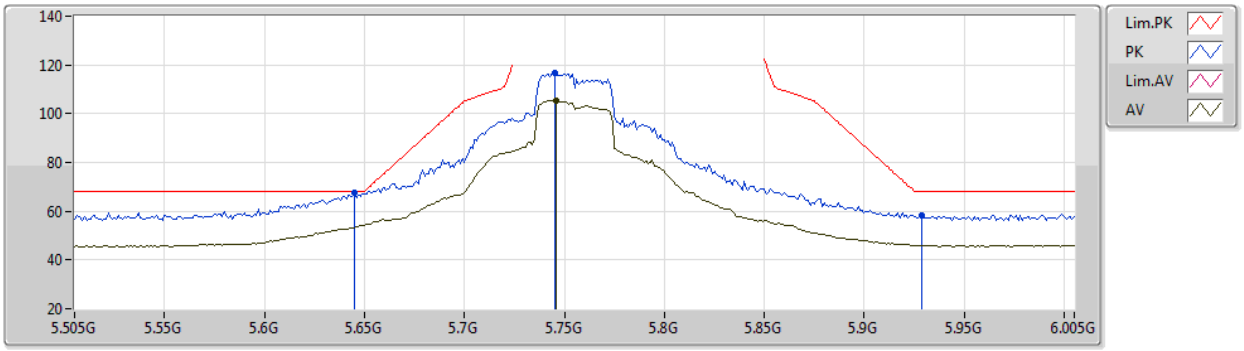
EUT Z_2TX
Setting 22
01-A-G-2
sample Q3

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	11.3428G	52.88	74.00	-21.12	41.21	3	Horizontal	339	2.14	-	38.34	7.77	34.44
AV	11.34104G	39.96	54.00	-14.04	28.29	3	Horizontal	339	2.14	-	38.34	7.77	34.44

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5755MHz_TX



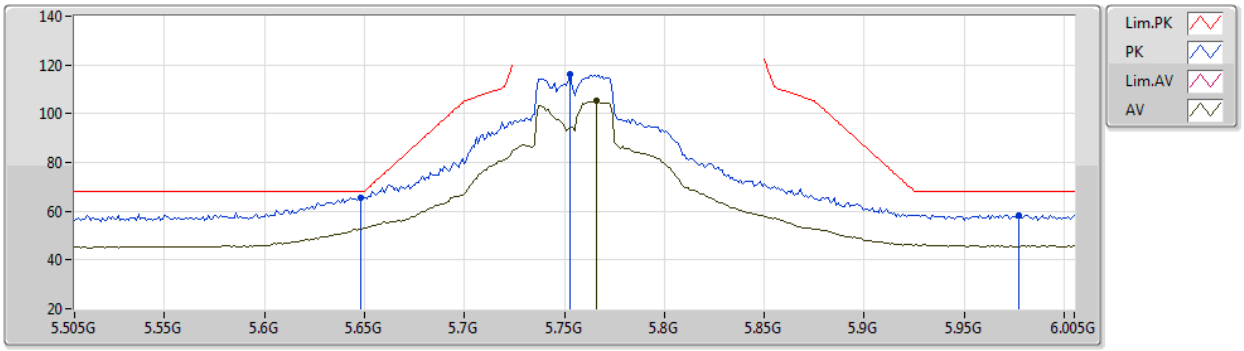
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.645G	67.69	68.20	-0.51	62.84	3	Vertical	155	1.06	-	33.89	5.42	34.46
PK	5.745G	116.92	Inf	-Inf	111.86	3	Vertical	155	1.06	-	34.08	5.47	34.49
AV	5.746G	105.55	Inf	-Inf	100.49	3	Vertical	155	1.06	-	34.08	5.47	34.49
PK	5.929G	58.46	68.20	-9.74	52.60	3	Vertical	155	1.06	-	34.92	5.50	34.56

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

14/01/2021



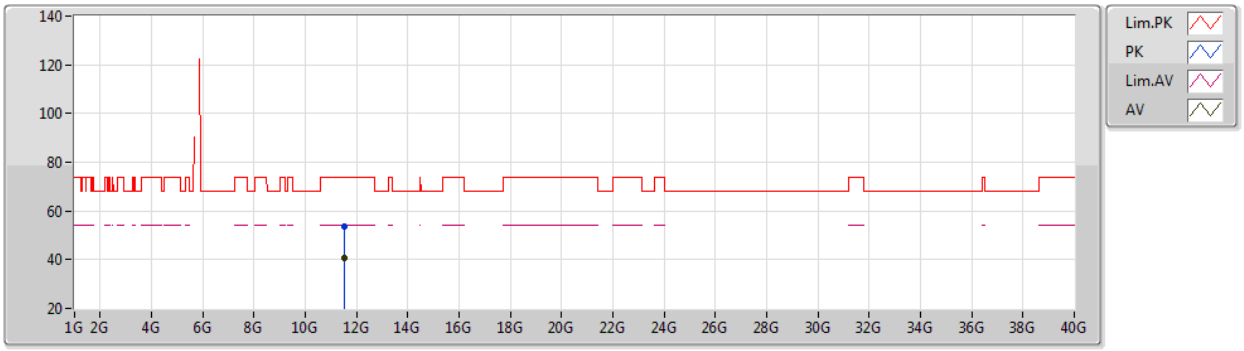
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	5.648G	65.69	68.20	-2.51	60.83	3	Horizontal	214	1.01	-	33.90	5.42	34.46
PK	5.753G	116.19	Inf	-Inf	111.10	3	Horizontal	214	1.01	-	34.11	5.48	34.50
AV	5.766G	105.28	Inf	-Inf	100.14	3	Horizontal	214	1.01	-	34.16	5.48	34.50
PK	5.977G	58.47	68.20	-9.73	52.43	3	Horizontal	214	1.01	-	35.11	5.50	34.57

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5755MHz_TX



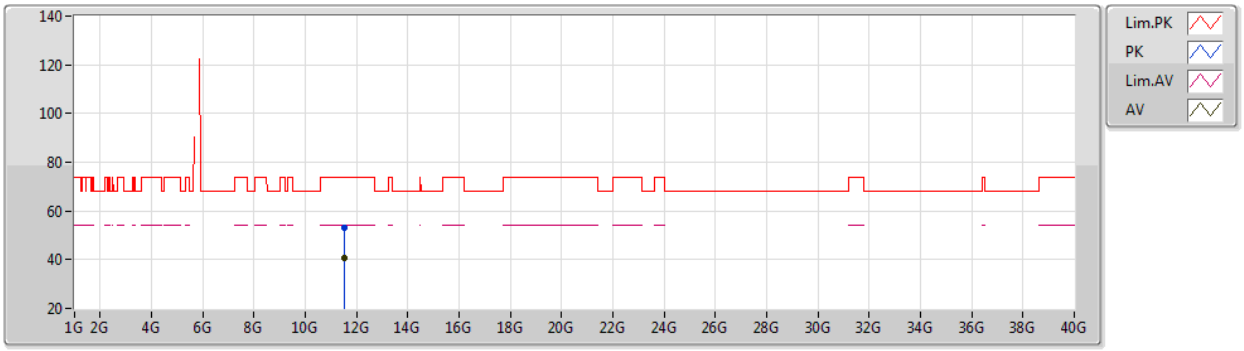
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.505G	53.66	74.00	-20.34	41.90	3	Vertical	28	1.23	-	38.40	7.83	34.47
AV	11.51378G	40.46	54.00	-13.54	28.70	3	Vertical	28	1.23	-	38.40	7.83	34.47

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5755MHz_TX



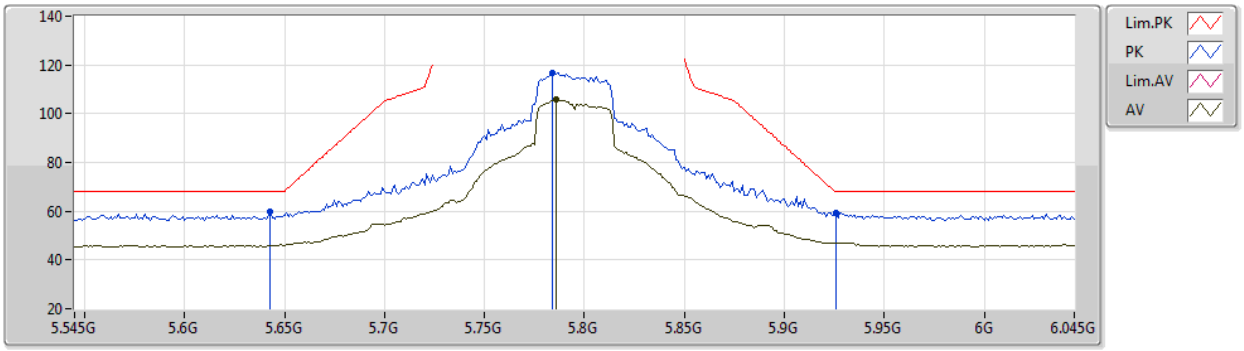
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.50556G	53.02	74.00	-20.98	41.26	3	Horizontal	65	1.19	-	38.40	7.83	34.47
AV	11.51082G	40.50	54.00	-13.50	28.74	3	Horizontal	65	1.19	-	38.40	7.83	34.47

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

14/01/2021



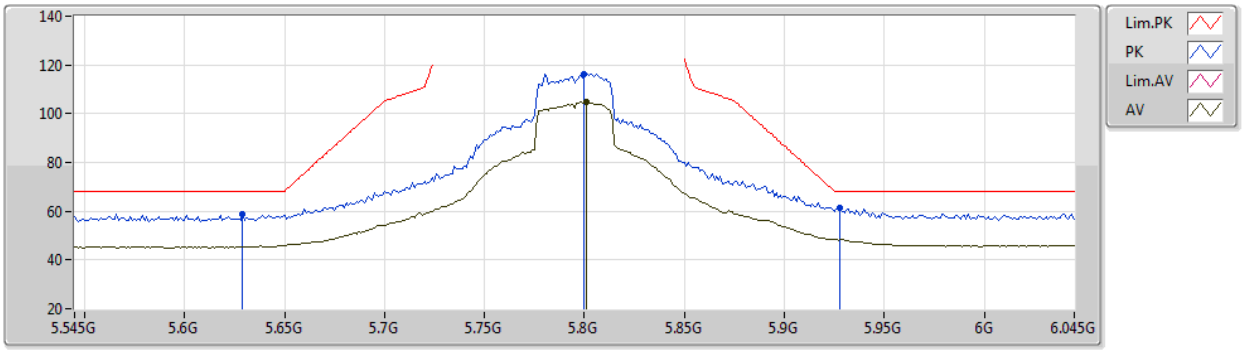
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

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	60.05	68.20	-8.15	55.20	3	Vertical	155	1.05	-	33.89	5.42	34.46
PK	5.784G	116.81	Inf	-Inf	111.59	3	Vertical	155	1.05	-	34.24	5.49	34.51
AV	5.786G	105.65	Inf	-Inf	100.43	3	Vertical	155	1.05	-	34.24	5.49	34.51
PK	5.926G	59.56	68.20	-8.64	53.71	3	Vertical	155	1.05	-	34.90	5.50	34.55

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

14/01/2021



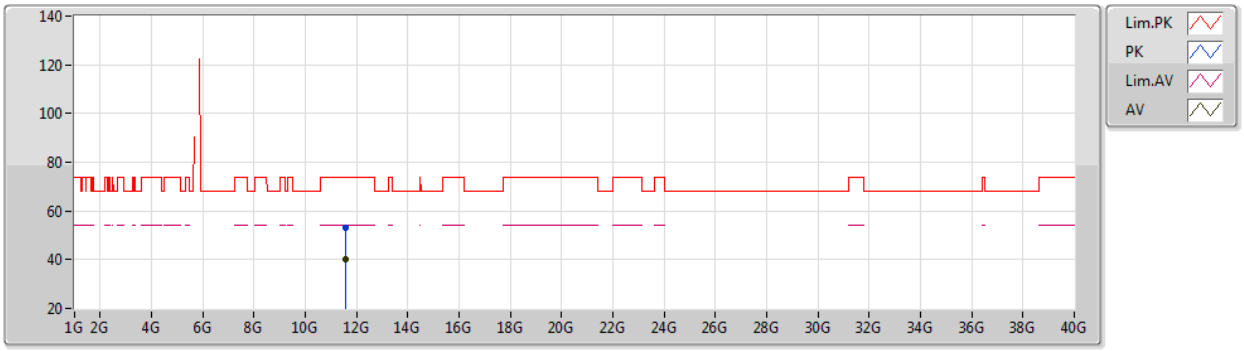
EUT Z_2TX
Setting 26
01-A-G-2-10
sample Q3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.629G	58.71	68.20	-9.49	53.89	3	Horizontal	208	2.22	-	33.86	5.41	34.45
PK	5.8G	116.29	Inf	-Inf	111.00	3	Horizontal	208	2.22	-	34.30	5.50	34.51
AV	5.801G	104.78	Inf	-Inf	99.49	3	Horizontal	208	2.22	-	34.30	5.50	34.51
PK	5.928G	61.32	68.20	-6.88	55.47	3	Horizontal	208	2.22	-	34.91	5.50	34.56

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

14/01/2021



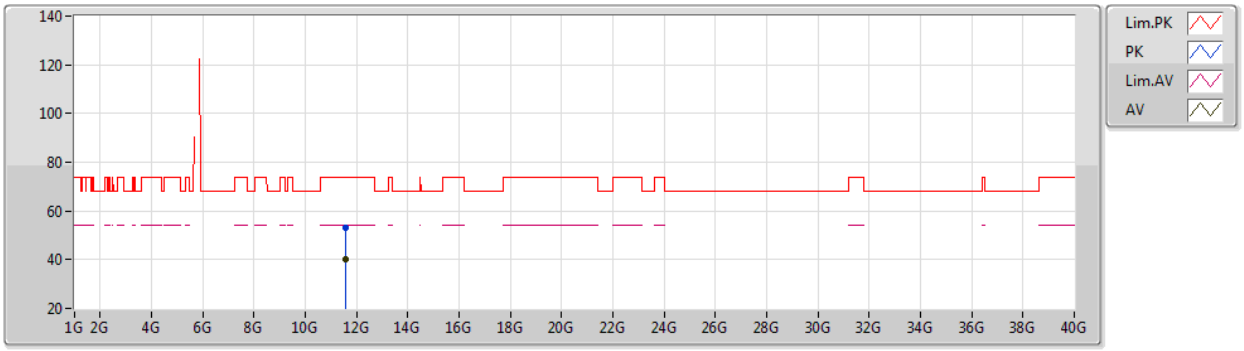
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.58612G	53.04	74.00	-20.96	41.26	3	Vertical	86	1.35	-	38.40	7.86	34.48
AV	11.58512G	40.37	54.00	-13.63	28.60	3	Vertical	86	1.35	-	38.40	7.85	34.48

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/01/2021

5795MHz_TX



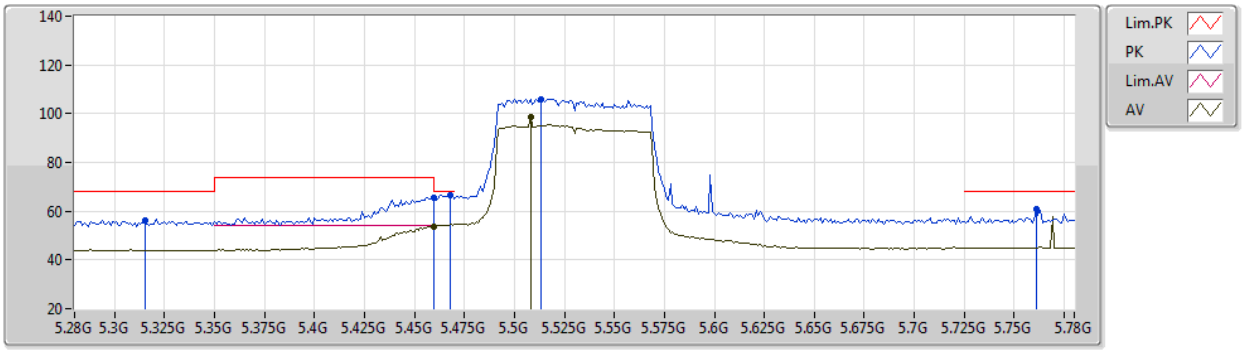
EUT Z_2TX
Setting 26
01-A-G-2
sample Q3

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	11.58944G	53.20	74.00	-20.80	41.42	3	Horizontal	340	2.96	-	38.40	7.86	34.48
AV	11.59214G	40.31	54.00	-13.69	28.53	3	Horizontal	340	2.96	-	38.40	7.86	34.48

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/01/2021

5530MHz_TX



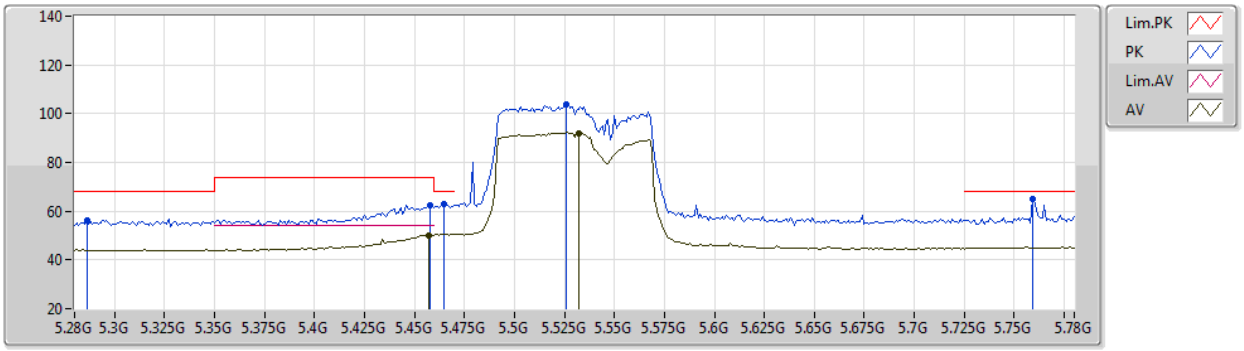
EUT Z_2TX
Setting 17.5
01-A-G-3-10
sample Q3

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	5.315G	56.38	68.20	-11.82	52.52	3	Vertical	193	2.08	-	32.97	5.32	34.43
PK	5.46G	65.66	74.00	-8.34	61.25	3	Vertical	193	2.08	-	33.42	5.40	34.41
AV	5.46G	53.39	54.00	-0.61	48.98	3	Vertical	193	2.08	-	33.42	5.40	34.41
PK	5.468G	66.33	68.20	-1.87	61.90	3	Vertical	193	2.08	-	33.44	5.40	34.41
PK	5.513G	106.12	Inf	-Inf	101.58	3	Vertical	193	2.08	-	33.55	5.40	34.41
AV	5.508G	98.59	Inf	-Inf	94.07	3	Vertical	193	2.08	-	33.53	5.40	34.41
PK	5.761G	60.89	68.20	-7.31	55.77	3	Vertical	193	2.08	-	34.14	5.48	34.50

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5530MHz_TX

14/01/2021



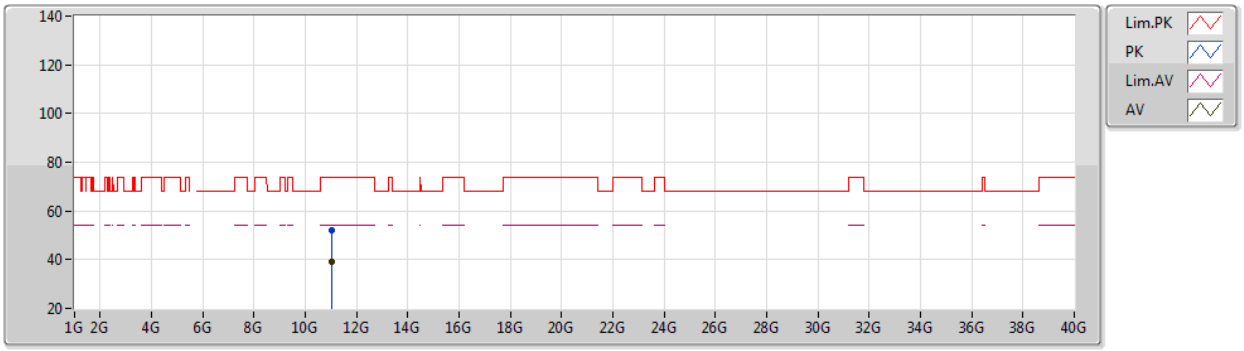
EUT Z_2TX
Setting 17.5
01-A-G-3-10
sample Q3

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	5.286G	56.44	68.20	-11.76	52.65	3	Horizontal	23	2.60	-	32.94	5.29	34.44
PK	5.458G	62.45	74.00	-11.55	58.05	3	Horizontal	23	2.60	-	33.42	5.40	34.42
AV	5.457G	50.09	54.00	-3.91	45.70	3	Horizontal	23	2.60	-	33.41	5.40	34.42
PK	5.465G	62.73	68.20	-5.47	58.31	3	Horizontal	23	2.60	-	33.43	5.40	34.41
PK	5.526G	103.77	Inf	-Inf	99.19	3	Horizontal	23	2.60	-	33.60	5.40	34.42
AV	5.532G	92.03	Inf	-Inf	87.42	3	Horizontal	23	2.60	-	33.63	5.40	34.42
PK	5.759G	64.99	68.20	-3.21	59.87	3	Horizontal	23	2.60	-	34.14	5.48	34.50

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5530MHz_TX

14/01/2021



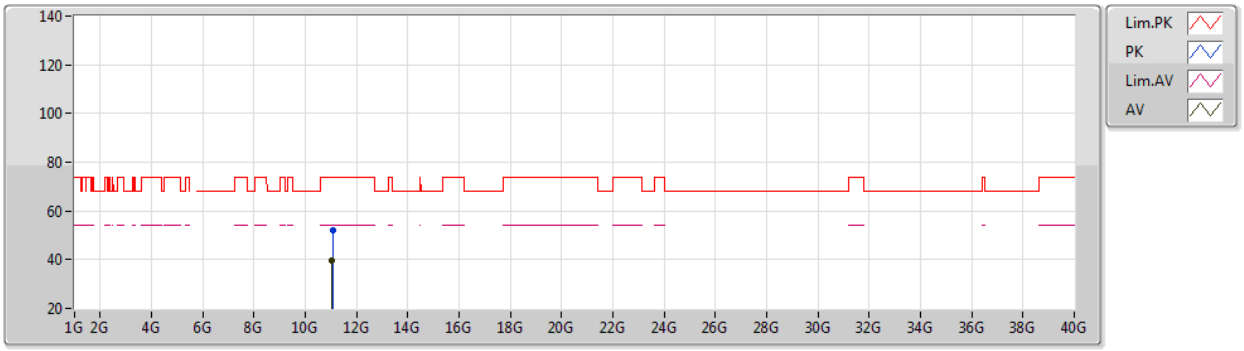
EUT Z_2TX
Setting 17.5
01-A-G-2
sample Q3

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	11.05634G	52.06	74.00	-21.94	40.53	3	Vertical	129	1.43	-	38.26	7.67	34.40
AV	11.05552G	39.25	54.00	-14.75	27.72	3	Vertical	129	1.43	-	38.26	7.67	34.40

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5530MHz_TX

14/01/2021



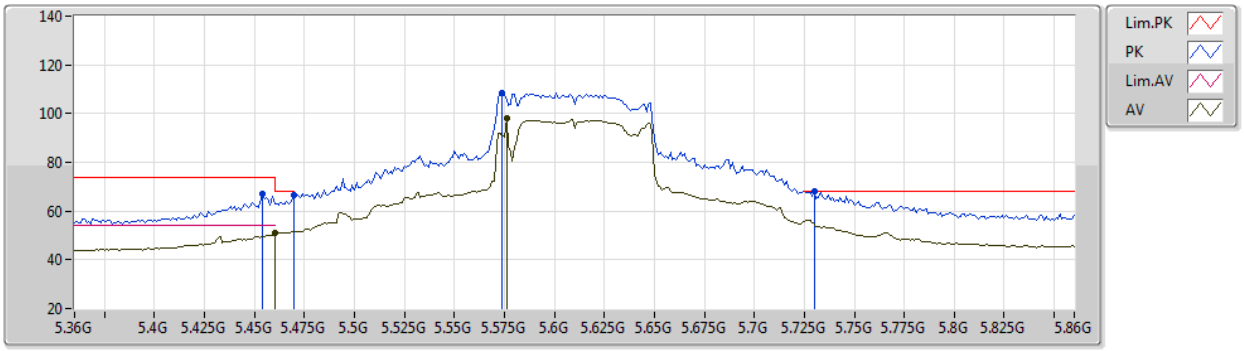
EUT Z_2TX
Setting 17.5
01-A-G-2
sample Q3

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	11.06354G	52.25	74.00	-21.75	40.72	3	Horizontal	263	2.76	-	38.26	7.67	34.40
AV	11.0563G	39.45	54.00	-14.55	27.92	3	Horizontal	263	2.76	-	38.26	7.67	34.40

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/01/2021

5610MHz_TX



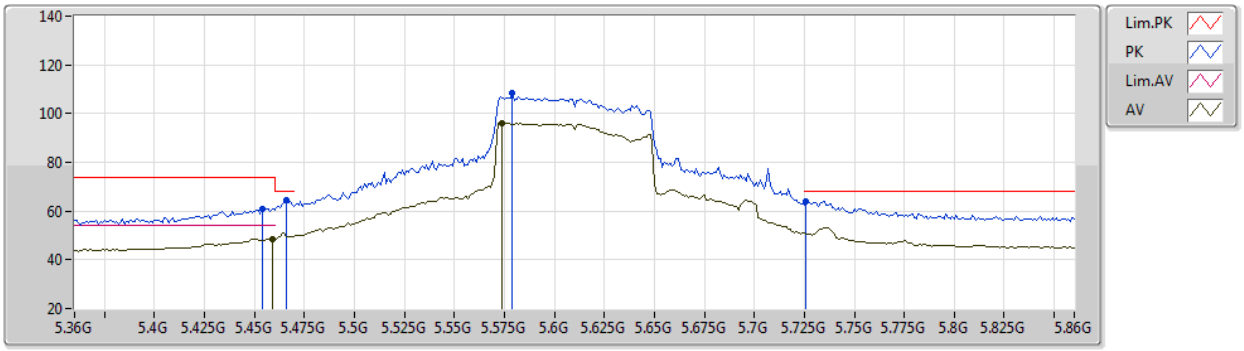
EUT Z_2TX
Setting 21
01-A-G-2-10
sample Q3

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	5.454G	66.90	74.00	-7.10	62.51	3	Vertical	181	1.80	-	33.41	5.40	34.42
AV	5.46G	51.10	54.00	-2.90	46.69	3	Vertical	181	1.80	-	33.42	5.40	34.41
PK	5.47G	66.31	68.20	-1.89	61.88	3	Vertical	181	1.80	-	33.44	5.40	34.41
PK	5.574G	108.55	Inf	-Inf	103.84	3	Vertical	181	1.80	-	33.75	5.40	34.44
AV	5.576G	98.32	Inf	-Inf	93.61	3	Vertical	181	1.80	-	33.75	5.40	34.44
PK	5.73G	68.13	68.20	-0.07	63.14	3	Vertical	181	1.80	-	34.02	5.46	34.49

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5610MHz_TX

14/01/2021



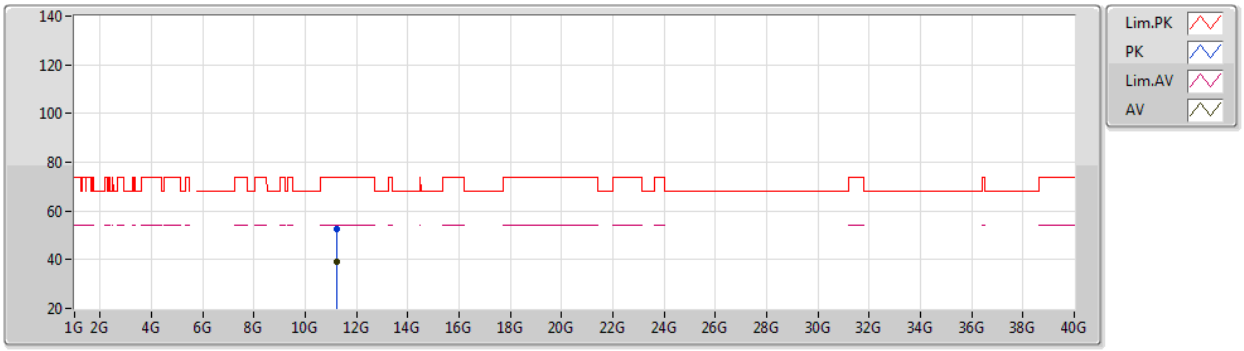
EUT Z_2TX
Setting 21
01-A-G-2-10
sample Q3

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	5.454G	60.87	74.00	-13.13	56.48	3	Horizontal	252	2.23	-	33.41	5.40	34.42
AV	5.459G	48.68	54.00	-5.32	44.27	3	Horizontal	252	2.23	-	33.42	5.40	34.41
PK	5.466G	64.34	68.20	-3.86	59.92	3	Horizontal	252	2.23	-	33.43	5.40	34.41
PK	5.579G	108.55	Inf	-Inf	103.83	3	Horizontal	252	2.23	-	33.76	5.40	34.44
AV	5.574G	96.23	Inf	-Inf	91.52	3	Horizontal	252	2.23	-	33.75	5.40	34.44
PK	5.726G	63.95	68.20	-4.25	58.98	3	Horizontal	252	2.23	-	34.00	5.46	34.49

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5610MHz_TX

14/01/2021



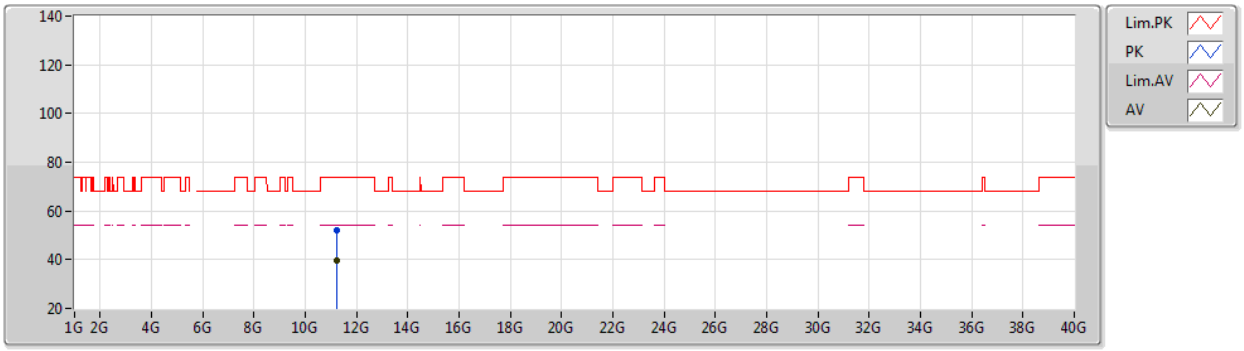
EUT Z_2TX
Setting 21
01-A-G-2
sample Q3

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	11.21652G	52.37	74.00	-21.63	40.84	3	Vertical	355	1.40	-	38.22	7.73	34.42
AV	11.22012G	39.34	54.00	-14.66	27.82	3	Vertical	355	1.40	-	38.22	7.73	34.43

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/01/2021

5610MHz_TX



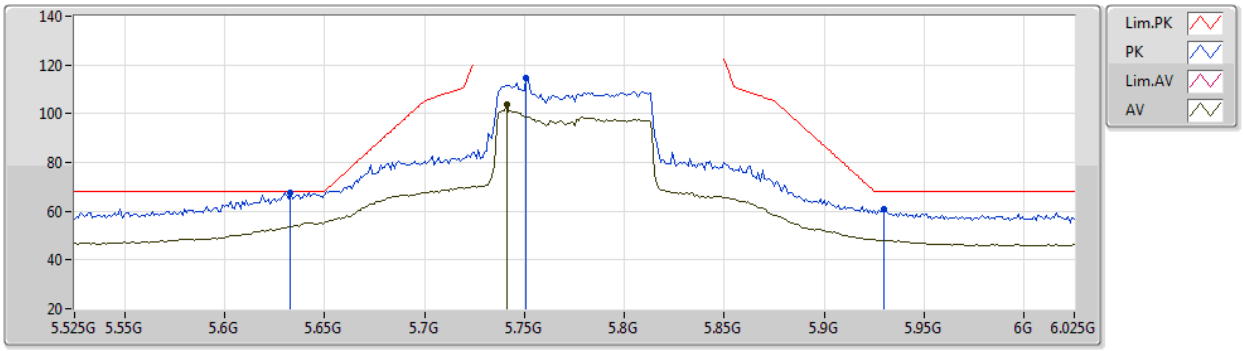
EUT Z_2TX
Setting 21
01-A-G-2
sample Q3

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	11.21682G	52.28	74.00	-21.72	40.75	3	Horizontal	80	1.76	-	38.22	7.73	34.42
AV	11.2173G	39.51	54.00	-14.49	27.98	3	Horizontal	80	1.76	-	38.22	7.73	34.42

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/01/2021

5775MHz_TX



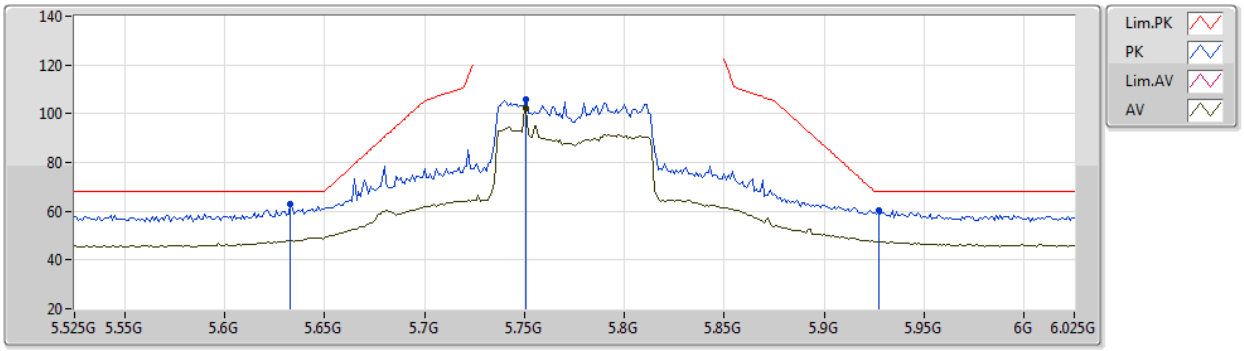
EUT Z_2TX
Setting 22.5
01-A-G-3-10
sample Q3

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	5.633G	67.82	68.20	-0.38	62.99	3	Vertical	184	2.67	-	33.87	5.42	34.46
PK	5.751G	114.51	Inf	-Inf	109.43	3	Vertical	184	2.67	-	34.10	5.48	34.50
AV	5.741G	103.92	Inf	-Inf	98.88	3	Vertical	184	2.67	-	34.06	5.47	34.49
PK	5.93G	61.01	68.20	-7.19	55.15	3	Vertical	184	2.67	-	34.92	5.50	34.56

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

14/01/2021



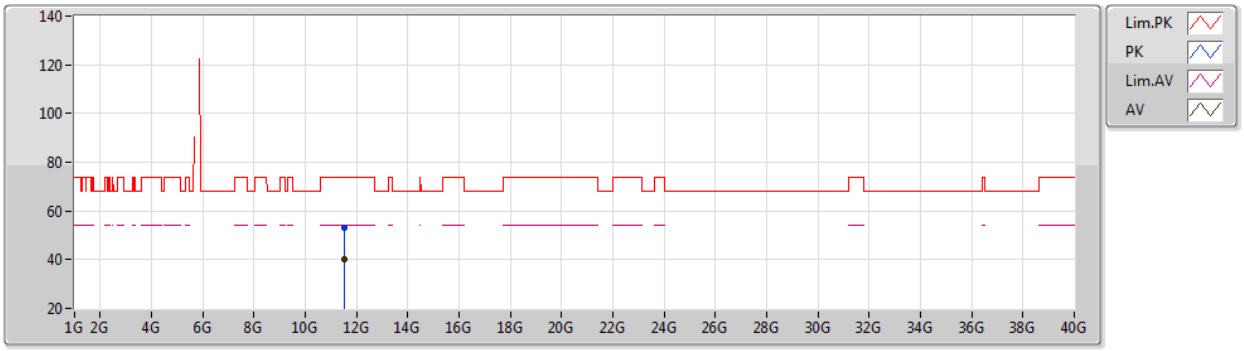
EUT Z_2TX
Setting 22.5
01-A-G-3-10
sample Q3

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	5.633G	63.01	68.20	-5.19	58.18	3	Horizontal	200	1.80	-	33.87	5.42	34.46
PK	5.751G	106.06	Inf	-Inf	100.98	3	Horizontal	200	1.80	-	34.10	5.48	34.50
AV	5.751G	102.02	Inf	-Inf	96.94	3	Horizontal	200	1.80	-	34.10	5.48	34.50
PK	5.927G	60.24	68.20	-7.96	54.39	3	Horizontal	200	1.80	-	34.91	5.50	34.56

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

14/01/2021



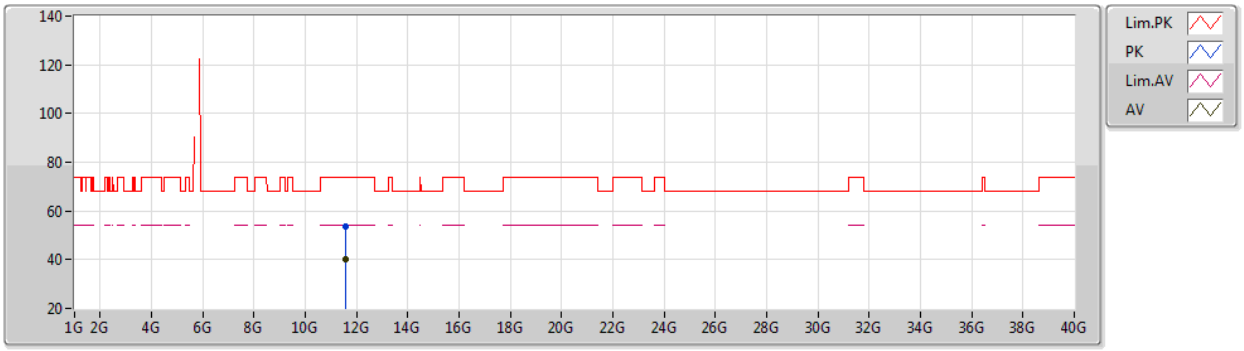
EUT Z_2TX
Setting 22.5
01-A-G-2
sample Q3

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	11.54674G	53.12	74.00	-20.88	41.36	3	Vertical	166	2.73	-	38.40	7.84	34.48
AV	11.54754G	40.15	54.00	-13.85	28.39	3	Vertical	166	2.73	-	38.40	7.84	34.48

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/01/2021

5775MHz_TX



EUT Z_2TX
Setting 22.5
01-A-G-2
sample Q3

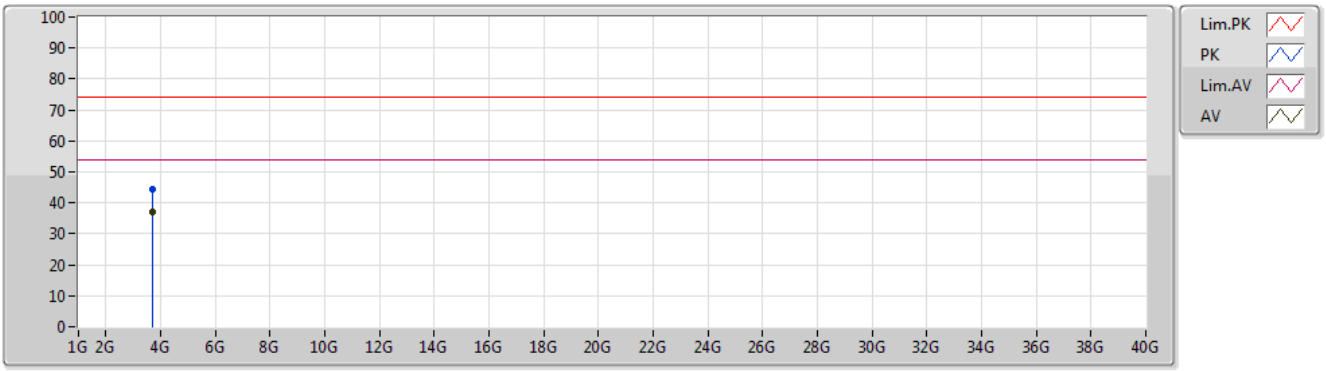
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.55272G	53.43	74.00	-20.57	41.67	3	Horizontal	48	1.80	-	38.40	7.84	34.48
AV	11.55336G	40.05	54.00	-13.95	28.29	3	Horizontal	48	1.80	-	38.40	7.84	34.48

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	3.68737G	37.12	54.00	-16.88	Vertical

Mode 1

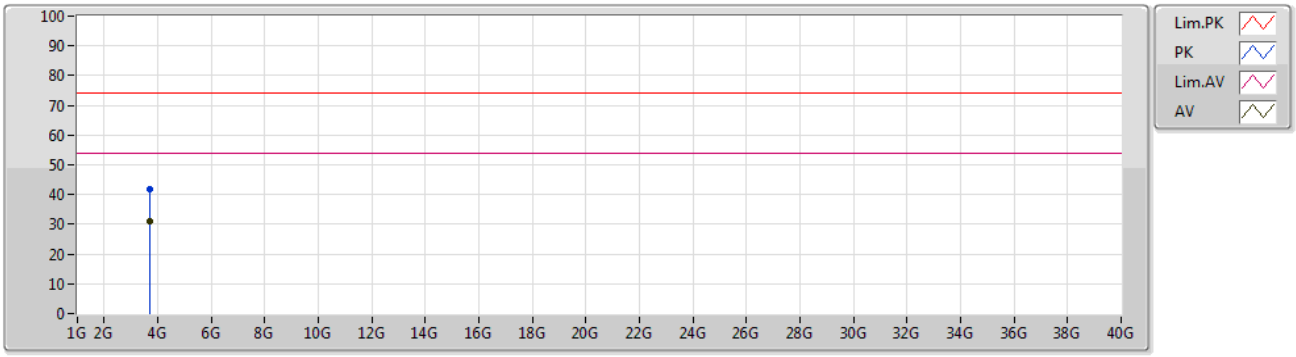
03/02/2021



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)	(dB)	(dB)	(dB)
PK	3.6875G	44.33	74.00	-29.67	-1.68	3	Vertical	337	2.88	-	46.01	29.20	5.13	36.01
AV	3.68737G	37.12	54.00	-16.88	-1.68	3	Vertical	337	2.88	"Worst"	38.80	29.20	5.13	36.01

Mode 1

03/02/2021



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)	(dB)	(dB)	(dB)
PK	3.68779G	41.80	74.00	-32.20	-1.68	3	Horizontal	166	2.72	-	43.48	29.20	5.13	36.01
AV	3.68743G	30.89	54.00	-23.11	-1.68	3	Horizontal	166	2.72	"Worst"	32.57	29.20	5.13	36.01