FCC RADIO TEST REPORT

FCC ID	:	UXX-S5A950A
Equipment	:	Advanced Edge Router with 4x4 dual-band AP
Brand Name	:	Cradlepoint
Model Name	:	S5A950A
Applicant	:	Cradlepoint, Inc. 1111 West Jefferson Street ,Boise ,Idaho,United States 83702
Manufacturer	:	Cradlepoint, Inc. 1111 West Jefferson Street ,Boise ,Idaho,United States 83702
Standard	:	47 CFR FCC Part 15.407

The product was received on Oct. 23, 2019, and testing was started from Nov. 07, 2019 and completed on Jan. 07, 2020. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR9O2202AB	01	Initial issue of report	Jan. 14, 2020

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: Sandy Chuang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

<WLAN antenna gain>

Ant.	Port	Brand	P/N	Antenna Type	Connector	Antenna Gain (dBi)		Cable Loss (dB)		True Gain (dBi)	
						2.4G	5G	2.4G	5G	2.4G	5G
1~4	1~4	WNC	08.22100.011	Dipole	RP SMA Plug	2.47	2.47	0.9	1.5	1.57	0.97

<WWAN antenna gain>

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1~4	1~4	Cradlepoint	170760-000	Dipole	SMA Male	Note 1 (WCDMA) Note 2 (LTE)

Note 1

Ant.	Port	Band 2	Band 4	Band 5
1~4	1~4	1.34	0.86	-0.57

Note 2

Ant.	Port	Band 2	Band 4	Band 5	Band 7	Band 12	Band 13	Band 14	Band 17	Band 18
1~4	1~4	1.34	0.86	-0.57	2.19	0.57	0.57	0.57	0.57	-0.57

Ant.	Port	Band 19	Band 25	Band 26	Band 30	Band 38	Band 41	Band 66	Band 71
1~4	1~4	-0.57	1.34	-0.57	2.67	2.19	2.19	0.86	0.57

Note 2: The above information was declared by manufacturer.

For 2.4GHz function:

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

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

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

For 5GHz function:

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

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

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

1.1.3 Table of WWAN module

Module	Brand Name	Model Name	FCC ID	Function	Remark
1	Telit	LM960	RI7LM960	WCDMA Band 2, 4, 5 / LTE Band 2, 4, 5, 7, 12, 13, 14, 17, 18, 19, 25, 26, 30, 38, 41, 66, 71	Internal module (would be marketed)
2	Cradlepoint	MC400-1200M	Contain FCC ID: RI7LM960		External module (would not be marketed)

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.942	0.26	1.98m	1k
802.11ax HEW20	0.961	0.17	5.449m	300
802.11ax HEW20-BF	0.961	0.17	1.961m	1k
802.11ax HEW40	0.955	0.2	5.449m	300
802.11ax HEW40-BF	0.958	0.19	1.961m	1k
802.11ax HEW80	0.958	0.19	5.449m	300
802.11ax HEW80-BF	0.929	0.32	1.98m	1k

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

1.1.5 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for VHT/ax in 2.4GHz and ac/ax in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	<For Non-Beamforming Mode> QSPR V5.0-00161 <For Beamforming Mode> Telnet			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v02r01
- 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, Lane 724, Bo-ai St., Jhubei 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	Test Date
RF Conducted	TH01-CB	Owen Hsu	23.7-24.7°C / 57-61%	Nov. 07, 2019~ Nov. 08, 2019
Radiated <Below 1GHz>	03CH05-CB	KJ Chang	18.1-19.1°C / 66-71%	Dec. 09, 2019~ Jan. 02, 2020
Radiated <Radiated Emission Co-location>	03CH01-CB	KJ Chang	20.9-22.2°C / 53-56%	Jan. 07, 2020
Radiated <Above 1GHz>	03CH01-CB	KJ Chang	20.9-22.2°C / 53-56%	Dec. 09, 2019~ Jan. 02, 2020
AC Conduction	CO01-CB	GN Hou	22-24°C / 59-63%	Dec. 05, 2019

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 (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	18
5200MHz	23
5240MHz	22
5745MHz	23
5785MHz	23
5825MHz	23
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	18.5
5200MHz	21.5
5240MHz	22.5
5745MHz	23
5785MHz	23
5825MHz	23
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	16
5230MHz	19.5
5755MHz	20.5
5795MHz	21
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	16
5775MHz	17.5
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	23
5200MHz	24
5240MHz	24
5745MHz	24
5785MHz	24
5825MHz	24
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	22
5230MHz	23
5755MHz	22
5795MHz	24
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	21

Mode	Power Setting
5775MHz	21

Note:
- There are two modes of EUT, one is beamforming mode, and the other is Non-beamforming mode for VHT/ax in 2.4GHz and ac/ax in 5GHz. Beamforming mode and Non-beamforming mode has been test and record in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT + Adapter 1 (Testing internal module - LTE B2)
2	EUT + Adapter 2 (Testing internal module - LTE B2)
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~5 will follow this same test mode.	
3	EUT + Adapter 1 (Testing internal module - WCDMA B2)
4	EUT + Adapter 1 + External module (Testing external module - LTE B2)
5	EUT + Adapter 1 + External module (Testing external module - WCDMA B2)
For operating mode 4 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
The EUT can be placed in X-axis, Y-axis and Z-axis. EUT X axis has been evaluated to be the worst case at Emissions in Unwanted Emissions <Above 1GHz>; thus, the measurement will follow this same test configuration.	
1	EUT in X axis + 2.4GHz + Adapter 1
2	EUT in X axis + 2.4GHz + Adapter 2
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mod	
3	EUT in X axis + 5GHz + Adapter 2
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	EUT in X axis
The EUT can be placed in X-axis, Y-axis and Z-axis. After evaluating, X-axis was the worst case, so the test will follow this same test configuration.	

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
1	WLAN 2.4GHz + 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + external module
2	WLAN 2.4GHz + WLAN 5GHz + internal module
Refer to Sporton Test Report No.: FA9O2202 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

<non-beamforming mode>

The EUT was programmed to be in continuously transmitting mode.

<beamforming mode>

During the test, the following programs under WIN XP 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 RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	**Brand Name**	**Model Name**	**Rating**	**Remark**
Adapter 1	FSP	FSP180-AWAN3	Input: 100-240Vac, 2.3A, 50-60Hz Output: 54Vdc, 3.34A	With the cable: Non-shielded, 1.6m
Adapter 2	DELTA	ADP-180AR B	Input: 100-240Vac, 2.6A, 50-60Hz Output: 54Vdc, 3.33A	With the cable: Non-shielded, 1.6m
Battery	maxell	CR2032	DC 3V	-
Other				
Power cable*1: Non-shielded, 0.4m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Flash disk3.0	Transcend	639205 7755	N/A
B	2.5G WAN NB	DELL	E6430	N/A
C	1G PoE LAN NB	DELL	E6430	N/A
D	1G LAN NB	DELL	E6430	N/A
E	2.4G NB	SAMPO	HT-B 907WL	N/A
F	5G NB	SAMPO	HT-B 907WL	N/A
G	Nu stream	X TRAMUS	NuStreams-600	N/A
H	Nu stream NB	DELL	E6430	N/A
I	GPS antenna	taoglas	AA.162	N/A
J	GPS simulator	WELNAVIGATE	GS-100	N/A
K	Base station	Anritsu	MT8820C	N/A
L	SIM card	N/A	N/A	N/A
M	External module	Cradlepoint	MC400-1200M	Contain FCC ID:RI7LM960

For Radiated (below 1GHz):

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

For Radiated (above 1GHz) and RF Conducted:
<For Non-Beamforming Mode>

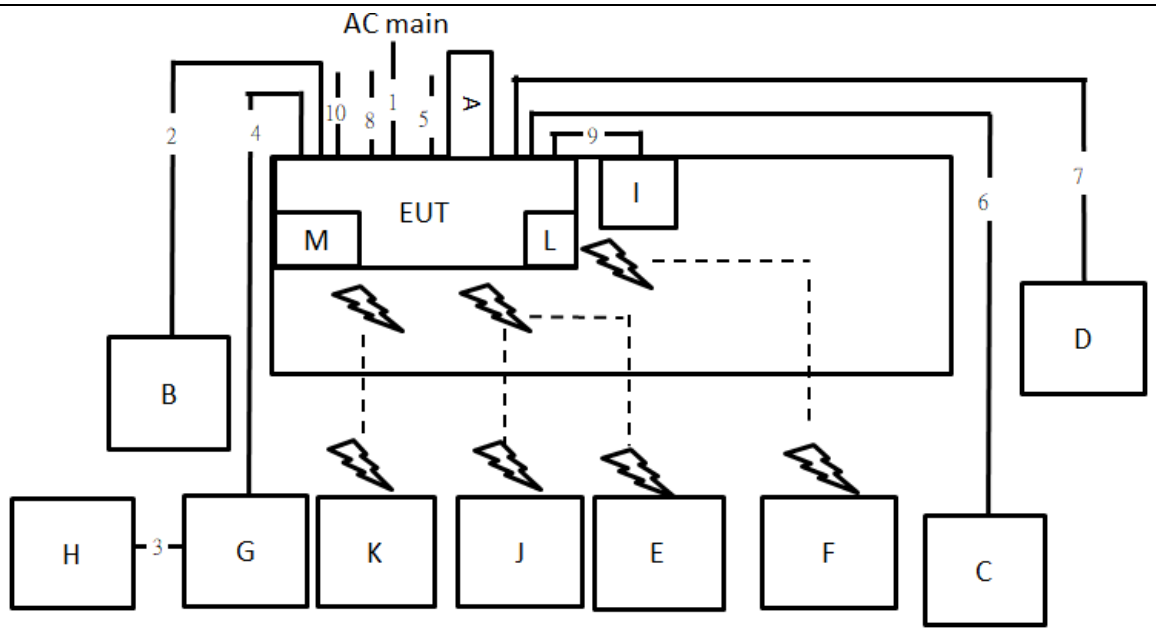
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A

<For Beamforming Mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	RX Device	WNC	SEQC-D1 / S5A950A	N/A

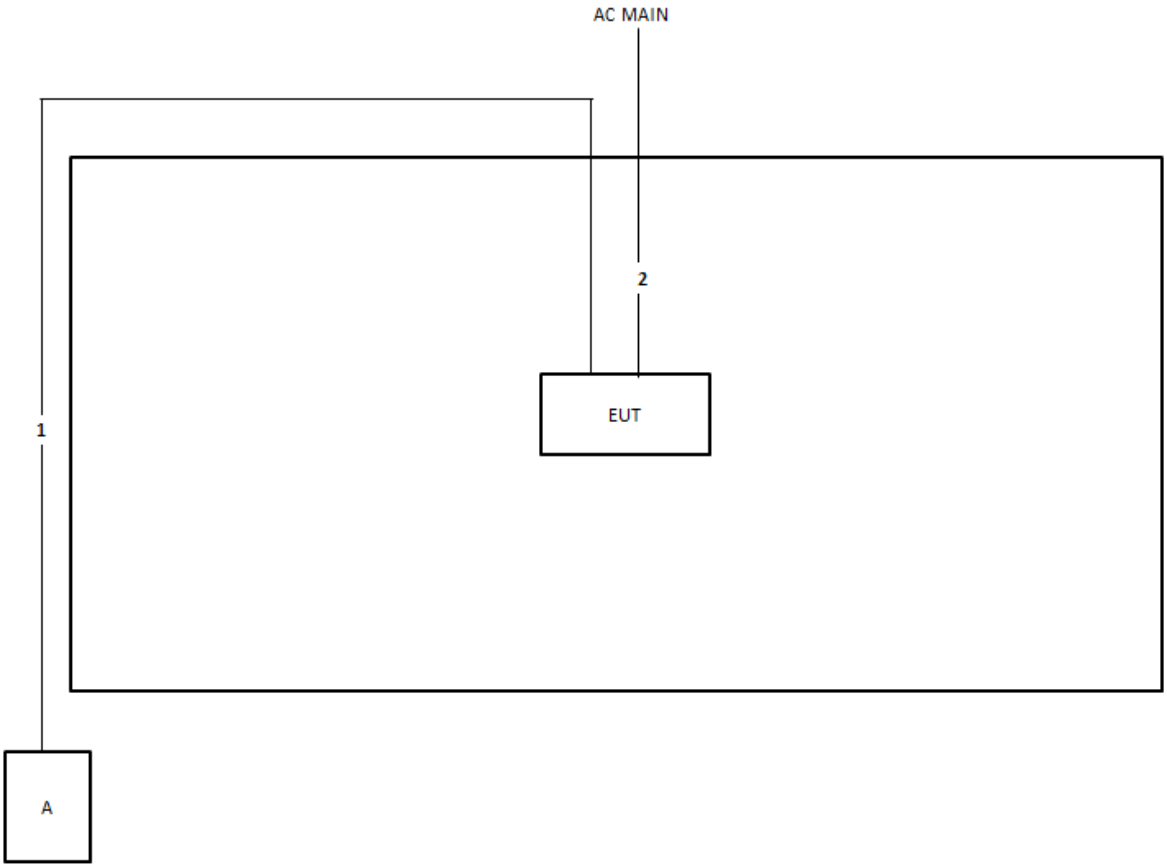
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	2m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	3m
4	Fiber cable	No	10m
5	RJ-45 cable*7	No	3m
6	RJ-45 cable	No	10m
7	RJ-45 cable	No	10m
8	Ground cable	No	1.8m
9	GPS cable	Yes	3m
10	Console cable	No	1.8m

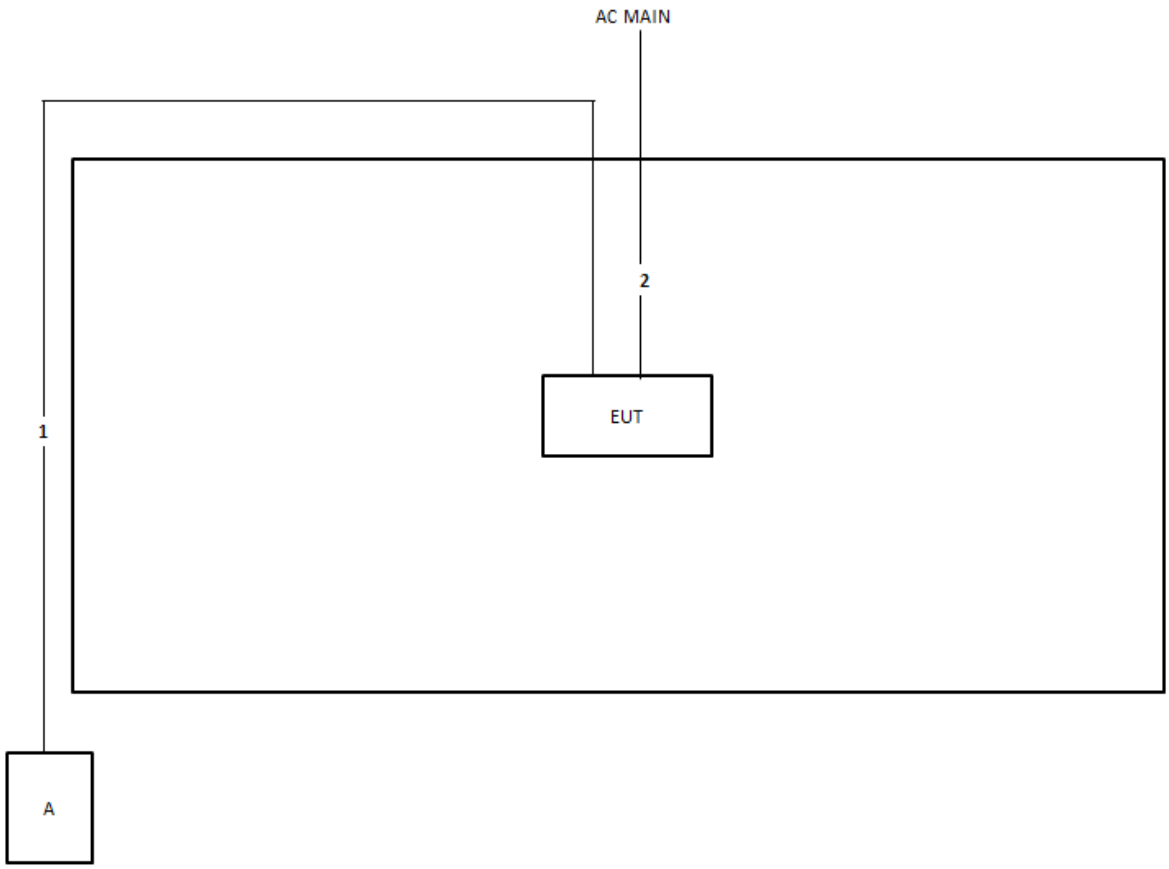
Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz

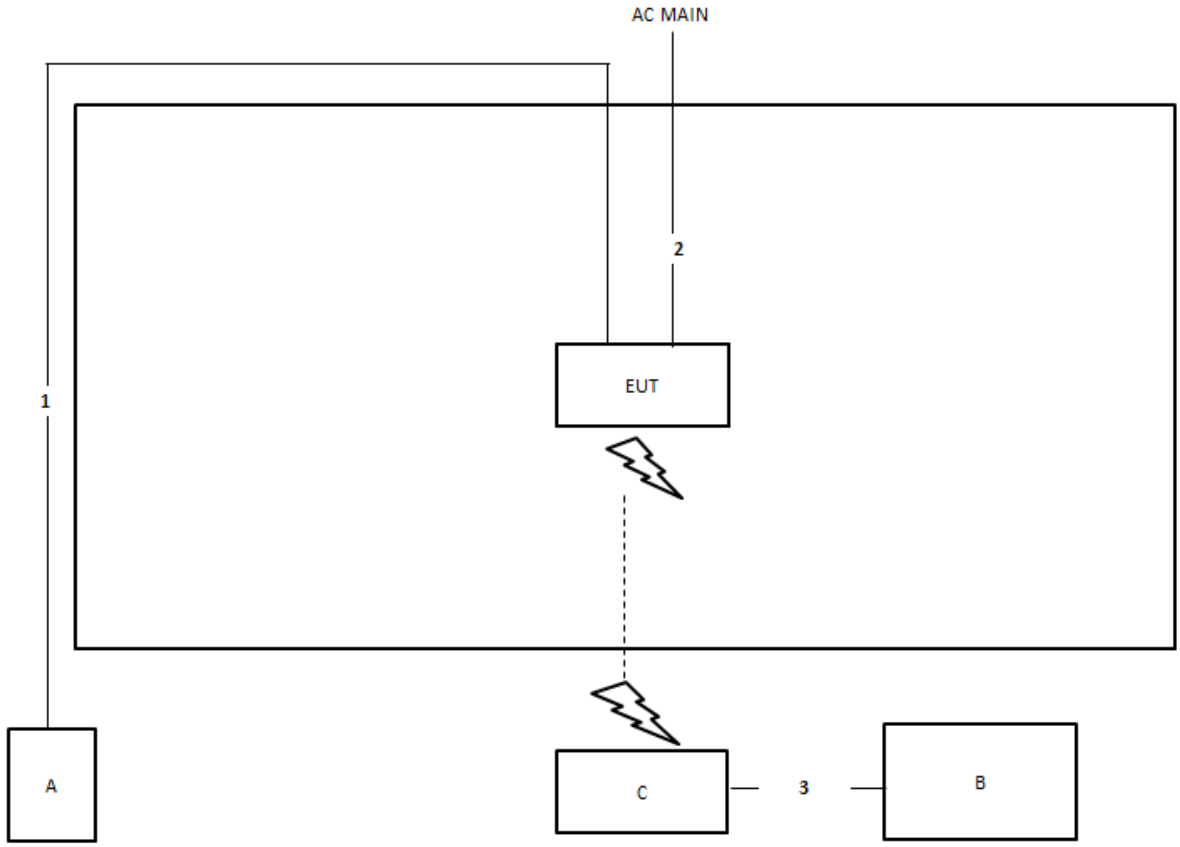
<For Non-Beamforming Mode>



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

Test Setup Diagram - Radiated Test > 1GHz

<For Beamforming Mode>



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

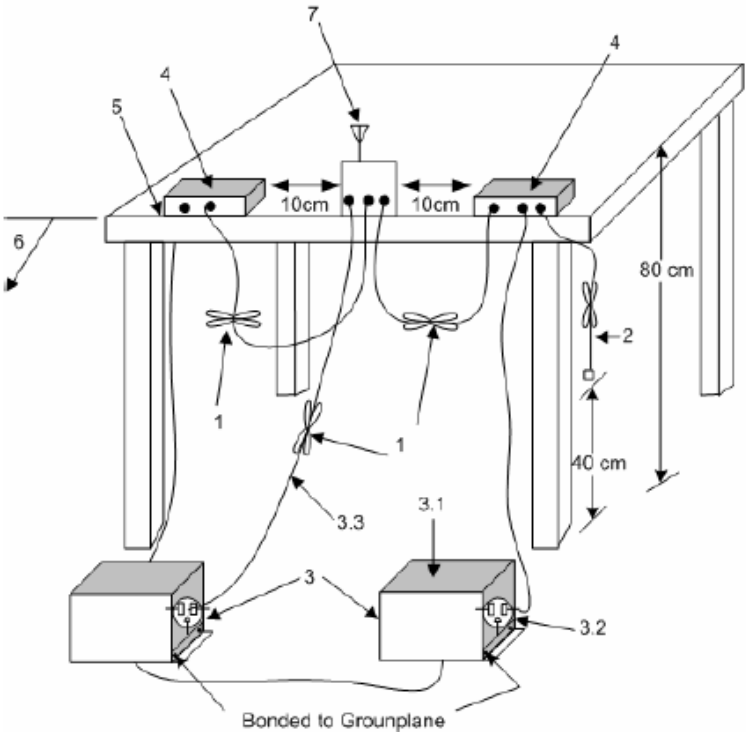
Refer a test equipment and calibration data table in this test report.

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 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.

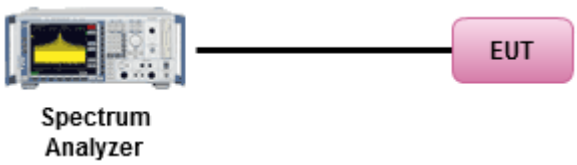
3.2.2 Measuring Instruments

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.	

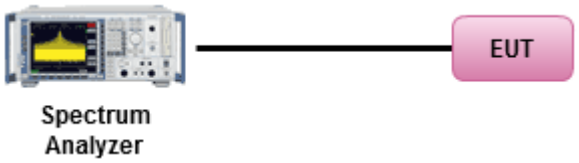
3.4.2 Measuring Instruments

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.

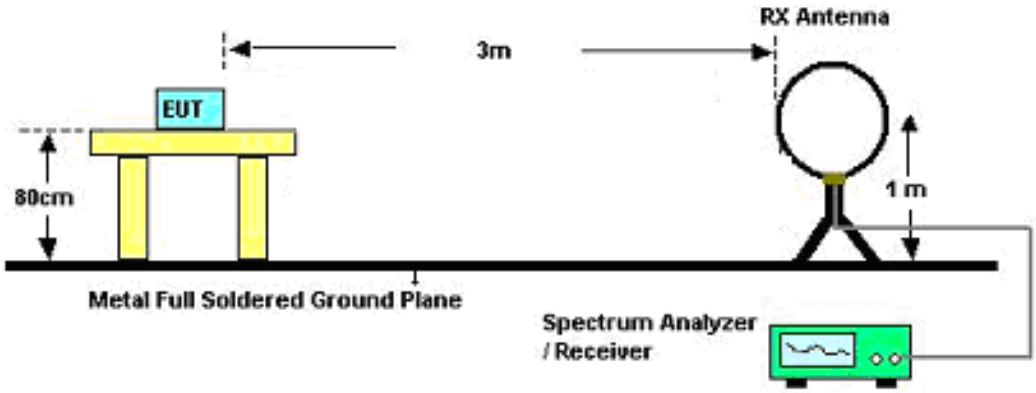
3.5.3 Test Procedures

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.			

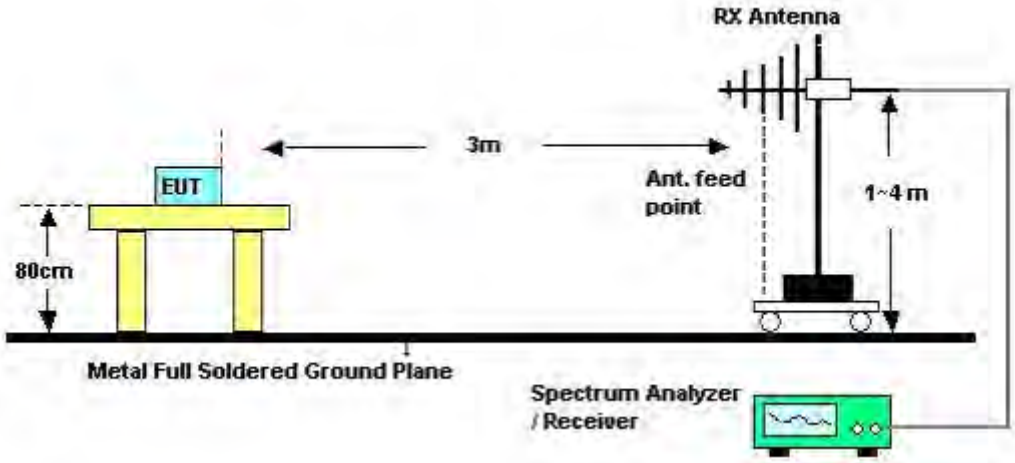
3.5.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

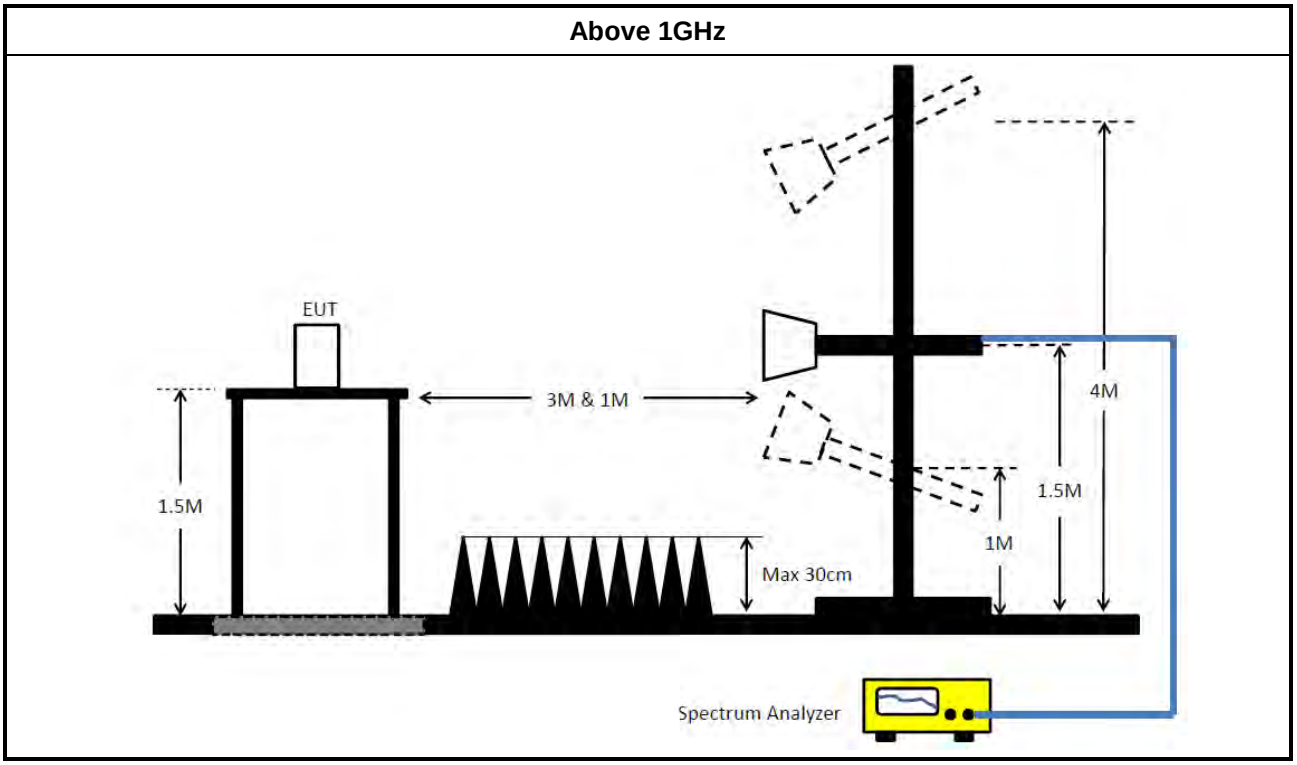
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = 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 10 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

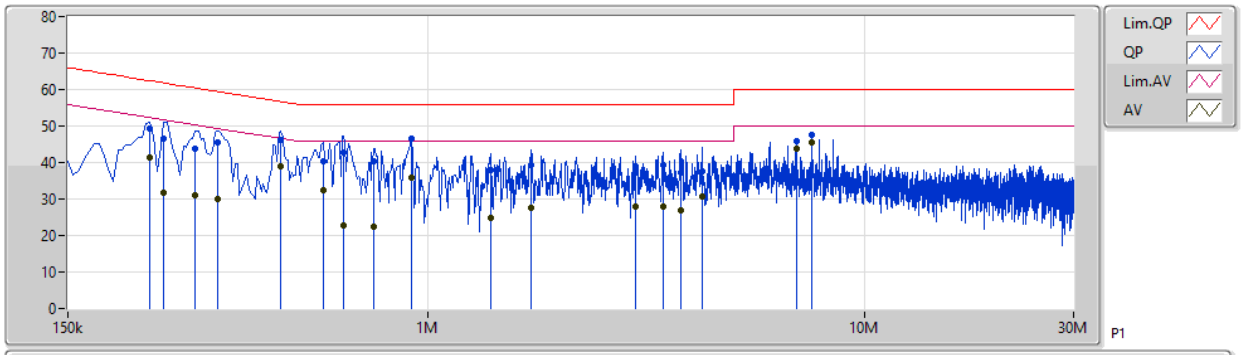
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESE & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 28, 2019	Mar. 27, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2019	Nov. 03, 2020	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

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

NCR means Non-Calibration required.

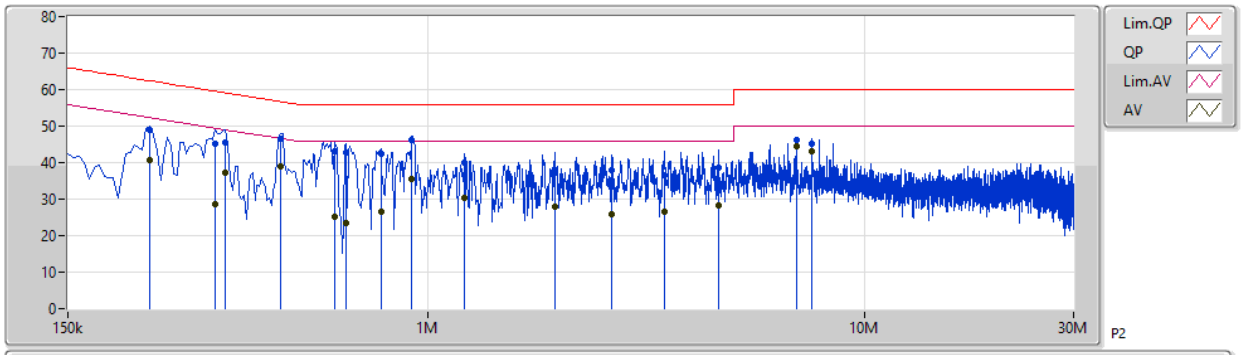
AC Power-line Conducted Emissions Result			
Operating Mode	4	**Power Phase**	Line
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	231k	49.15	62.41	-13.26	9.91	Line	-	39.24	0.06	0.06	9.79
AV	231k	41.26	52.41	-11.15	9.91	Line	-	31.35	0.06	0.06	9.79
QP	249k	46.67	61.79	-15.12	9.92	Line	-	36.75	0.06	0.06	9.80
AV	249k	31.74	51.79	-20.05	9.92	Line	-	21.82	0.06	0.06	9.80
QP	294k	43.94	60.42	-16.48	9.92	Line	-	34.02	0.06	0.06	9.80
AV	294k	31.10	50.42	-19.32	9.92	Line	-	21.18	0.06	0.06	9.80
QP	330k	45.61	59.44	-13.83	9.92	Line	-	35.69	0.06	0.06	9.80
AV	330k	30.08	49.44	-19.36	9.92	Line	-	20.16	0.06	0.06	9.80
QP	460.5k	46.37	56.69	-10.32	9.93	Line	-	36.44	0.06	0.06	9.81
AV	460.5k	38.82	46.69	-7.87	9.93	Line	-	28.89	0.06	0.06	9.81
QP	577.5k	40.49	56.00	-15.51	9.94	Line	-	30.55	0.06	0.07	9.81
AV	577.5k	32.58	46.00	-13.42	9.94	Line	-	22.64	0.06	0.07	9.81
QP	640.5k	42.59	56.00	-13.41	9.97	Line	-	32.62	0.07	0.08	9.82
AV	640.5k	22.71	46.00	-23.29	9.97	Line	-	12.74	0.07	0.08	9.82
QP	753k	40.39	56.00	-15.61	9.97	Line	-	30.42	0.07	0.08	9.82
AV	753k	22.36	46.00	-23.64	9.97	Line	-	12.39	0.07	0.08	9.82
QP	919.5k	46.42	56.00	-9.58	9.98	Line	-	36.44	0.07	0.09	9.82
AV	919.5k	35.74	46.00	-10.26	9.98	Line	-	25.76	0.07	0.09	9.82
QP	1.392M	37.80	56.00	-18.20	10.00	Line	-	27.80	0.08	0.10	9.82
AV	1.392M	24.83	46.00	-21.17	10.00	Line	-	14.83	0.08	0.10	9.82
QP	1.725M	39.19	56.00	-16.81	10.03	Line	-	29.16	0.09	0.11	9.83
AV	1.725M	27.53	46.00	-18.47	10.03	Line	-	17.50	0.09	0.11	9.83
QP	2.981M	38.96	56.00	-17.04	10.08	Line	-	28.88	0.11	0.15	9.82
AV	2.981M	27.91	46.00	-18.09	10.08	Line	-	17.83	0.11	0.15	9.82
QP	3.444M	39.32	56.00	-16.68	10.08	Line	-	29.24	0.11	0.16	9.81
AV	3.444M	27.92	46.00	-18.08	10.08	Line	-	17.84	0.11	0.16	9.81
QP	3.782M	37.40	56.00	-18.60	10.10	Line	-	27.30	0.12	0.17	9.81
AV	3.782M	27.06	46.00	-18.94	10.10	Line	-	16.96	0.12	0.17	9.81
QP	4.232M	37.51	56.00	-18.49	10.12	Line	-	27.39	0.13	0.17	9.82
AV	4.232M	30.80	46.00	-15.20	10.12	Line	-	20.68	0.13	0.17	9.82
QP	6.959M	45.88	60.00	-14.12	10.26	Line	-	35.62	0.17	0.21	9.88
AV	6.959M	43.90	50.00	-6.10	10.26	Line	-	33.64	0.17	0.21	9.88
QP	7.562M	47.43	60.00	-12.57	10.28	Line	-	37.15	0.18	0.21	9.89
AV	7.562M	45.62	50.00	-4.38	10.28	Line	"Worst"	35.34	0.18	0.21	9.89

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	4	**Power Phase**	Neutral
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	231k	48.84	62.41	-13.57	9.89	Neutral	-	38.95	0.04	0.06	9.79
AV	231k	40.70	52.41	-11.71	9.89	Neutral	-	30.81	0.04	0.06	9.79
QP	325.5k	45.27	59.56	-14.29	9.90	Neutral	-	35.37	0.04	0.06	9.80
AV	325.5k	28.63	49.56	-20.93	9.90	Neutral	-	18.73	0.04	0.06	9.80
QP	343.5k	45.67	59.12	-13.45	9.91	Neutral	-	35.76	0.04	0.06	9.81
AV	343.5k	37.33	49.12	-11.79	9.91	Neutral	-	27.42	0.04	0.06	9.81
QP	460.5k	46.46	56.69	-10.23	9.91	Neutral	-	36.55	0.04	0.06	9.81
AV	460.5k	38.86	46.69	-7.83	9.91	Neutral	-	28.95	0.04	0.06	9.81
QP	613.5k	43.24	56.00	-12.76	9.93	Neutral	-	33.31	0.05	0.07	9.81
AV	613.5k	25.09	46.00	-20.91	9.93	Neutral	-	15.16	0.05	0.07	9.81
QP	649.5k	42.63	56.00	-13.37	9.95	Neutral	-	32.68	0.05	0.08	9.82
AV	649.5k	23.56	46.00	-22.44	9.95	Neutral	-	13.61	0.05	0.08	9.82
QP	780k	42.39	56.00	-13.61	9.95	Neutral	-	32.44	0.05	0.08	9.82
AV	780k	26.60	46.00	-19.40	9.95	Neutral	-	16.65	0.05	0.08	9.82
QP	919.5k	46.27	56.00	-9.73	9.97	Neutral	-	36.30	0.06	0.09	9.82
AV	919.5k	35.64	46.00	-10.36	9.97	Neutral	-	25.67	0.06	0.09	9.82
QP	1.212M	39.99	56.00	-16.01	9.98	Neutral	-	30.01	0.06	0.10	9.82
AV	1.212M	30.18	46.00	-15.82	9.98	Neutral	-	20.20	0.06	0.10	9.82
QP	1.95M	37.27	56.00	-18.73	10.02	Neutral	-	27.25	0.07	0.12	9.83
AV	1.95M	27.78	46.00	-18.22	10.02	Neutral	-	17.76	0.07	0.12	9.83
QP	2.639M	37.78	56.00	-18.22	10.04	Neutral	-	27.74	0.08	0.14	9.82
AV	2.639M	25.77	46.00	-20.23	10.04	Neutral	-	15.73	0.08	0.14	9.82
QP	3.48M	36.53	56.00	-19.47	10.06	Neutral	-	26.47	0.09	0.16	9.81
AV	3.48M	26.57	46.00	-19.43	10.06	Neutral	-	16.51	0.09	0.16	9.81
QP	4.619M	38.64	56.00	-17.36	10.12	Neutral	-	28.52	0.11	0.18	9.83
AV	4.619M	28.24	46.00	-17.76	10.12	Neutral	-	18.12	0.11	0.18	9.83
QP	6.959M	46.16	60.00	-13.84	10.24	Neutral	-	35.92	0.15	0.21	9.88
AV	6.959M	44.45	50.00	-5.55	10.24	Neutral	"Worst"	34.21	0.15	0.21	9.88
QP	7.566M	45.13	60.00	-14.87	10.26	Neutral	-	34.87	0.16	0.21	9.89
AV	7.566M	43.17	50.00	-6.83	10.26	Neutral	-	32.91	0.16	0.21	9.89

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	42.175M	23.563M	23M6D1D	19.075M	16.367M
802.11ax HEW20_Nss1,(MCS0)_4TX	42.175M	19.99M	20M0D1D	21.425M	18.891M
802.11ax HEW40_Nss1,(MCS0)_4TX	47.95M	37.931M	37M9D1D	40.9M	37.631M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.2M	77.061M	77M1D1D	81.4M	76.962M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.75M	18.96M	19M0D1D	20.575M	18.883M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	41.3M	37.808M	37M8D1D	39.45M	37.68M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.9M	77.29M	77M3D1D	80.8M	76.884M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.3M	30.585M	30M6D1D	15.375M	24.988M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.1M	29.61M	29M6D1D	15.975M	23.213M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.05M	56.372M	56M4D1D	36.6M	38.281M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.6M	77.561M	77M6D1D	74.1M	76.862M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.9M	19M	19M0D1D	17.3M	18.859M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.7M	37.825M	37M8D1D	33.6M	37.604M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	74.2M	77.174M	77M2D1D	21.8M	76.915M

Max-N dB = Maximum6dB downbandwidth for 5.725-5.85GHz band / Maximum26dB downbandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum6dB downbandwidth for 5.725-5.85GHz band / Maximum26dB downbandwidth for other band;
Min-OBW = Minimum99% occupied bandwidth;

Result

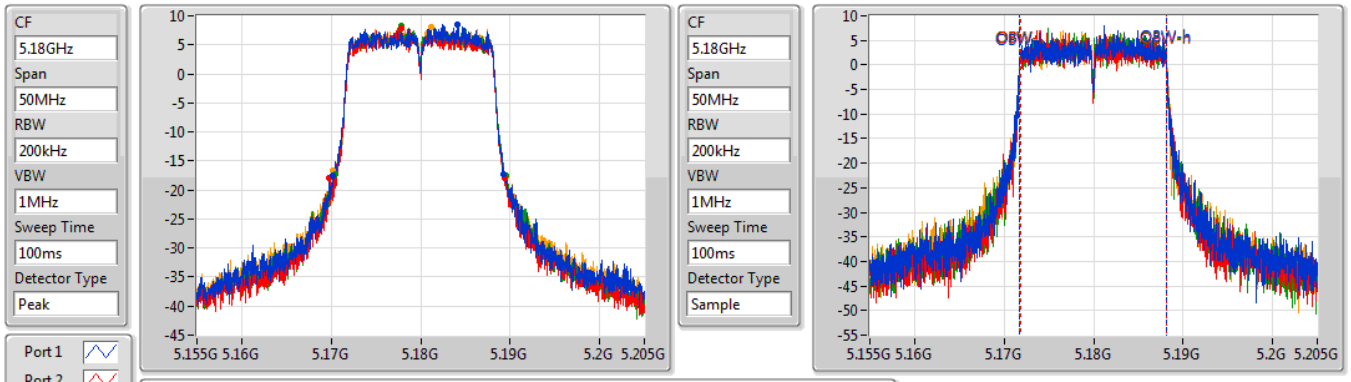
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.075M	16.417M	19.575M	16.367M	19.1M	16.367M	19.25M	16.417M
5200MHz	Pass	Inf	40.575M	21.214M	40.375M	22.039M	41.475M	23.563M	42.175M	22.239M
5240MHz	Pass	Inf	37.475M	17.416M	36.925M	17.016M	36.65M	17.241M	38.925M	18.691M
5745MHz	Pass	500k	16.275M	27.886M	16.275M	26.812M	15.675M	27.736M	16.3M	28.261M
5785MHz	Pass	500k	16.275M	29.16M	15.875M	28.936M	16.3M	28.136M	15.375M	25.262M
5825MHz	Pass	500k	15.925M	28.686M	15.925M	29.135M	16.3M	30.585M	16.25M	24.988M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.625M	18.916M	21.425M	18.891M	21.975M	18.941M	21.55M	18.916M
5200MHz	Pass	Inf	34.875M	19.065M	33.7M	19.04M	33.525M	19.09M	38.475M	19.19M
5240MHz	Pass	Inf	42.175M	19.89M	41.15M	19.315M	42.1M	19.765M	41.875M	19.99M
5745MHz	Pass	500k	19.1M	28.036M	15.975M	26.912M	17.525M	27.436M	18.7M	27.761M
5785MHz	Pass	500k	18.575M	28.611M	18.9M	28.936M	18.95M	27.486M	18.475M	23.213M
5825MHz	Pass	500k	17.85M	28.936M	18.45M	28.211M	18.7M	29.61M	18.9M	24.388M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.15M	37.731M	40.9M	37.631M	41.1M	37.731M	41.1M	37.681M
5230MHz	Pass	Inf	43.7M	37.831M	46.45M	37.831M	47.95M	37.931M	43.45M	37.681M
5755MHz	Pass	500k	37.9M	38.281M	36.6M	39.88M	38.05M	43.028M	37.8M	38.381M
5795MHz	Pass	500k	37.9M	41.279M	37.85M	52.824M	37.55M	56.372M	37.95M	44.328M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.1M	77.061M	81.4M	76.962M	82.2M	77.061M	81.9M	76.962M
5775MHz	Pass	500k	77.5M	77.461M	76M	76.862M	77.6M	77.161M	74.1M	77.561M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.075M	18.922M	20.575M	18.942M	21.3M	18.913M	21.075M	18.898M
5200MHz	Pass	Inf	21.425M	18.9M	21.475M	18.96M	21.4M	18.914M	21.3M	18.924M
5240MHz	Pass	Inf	21M	18.883M	21.425M	18.895M	21.225M	18.888M	21.75M	18.911M
5745MHz	Pass	500k	18.625M	18.92M	18.9M	18.908M	18.875M	18.929M	18.875M	18.919M
5785MHz	Pass	500k	18.3M	18.903M	18.825M	18.93M	17.3M	18.907M	18.8M	18.893M
5825MHz	Pass	500k	18.275M	18.89M	18.75M	19M	18.1M	18.943M	18.1M	18.859M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.45M	37.692M	40.85M	37.808M	39.65M	37.753M	40.3M	37.692M
5230MHz	Pass	Inf	41.3M	37.721M	40.8M	37.689M	40.8M	37.68M	40.45M	37.782M
5755MHz	Pass	500k	37.55M	37.719M	37.45M	37.679M	33.8M	37.604M	37.6M	37.664M
5795MHz	Pass	500k	37.7M	37.784M	33.6M	37.825M	37.4M	37.75M	37.65M	37.732M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.9M	76.884M	80.8M	77.069M	81M	77.29M	81.9M	77.228M
5775MHz	Pass	500k	73.7M	76.915M	74.2M	77.054M	21.8M	77.174M	32.4M	76.958M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

07/11/2019

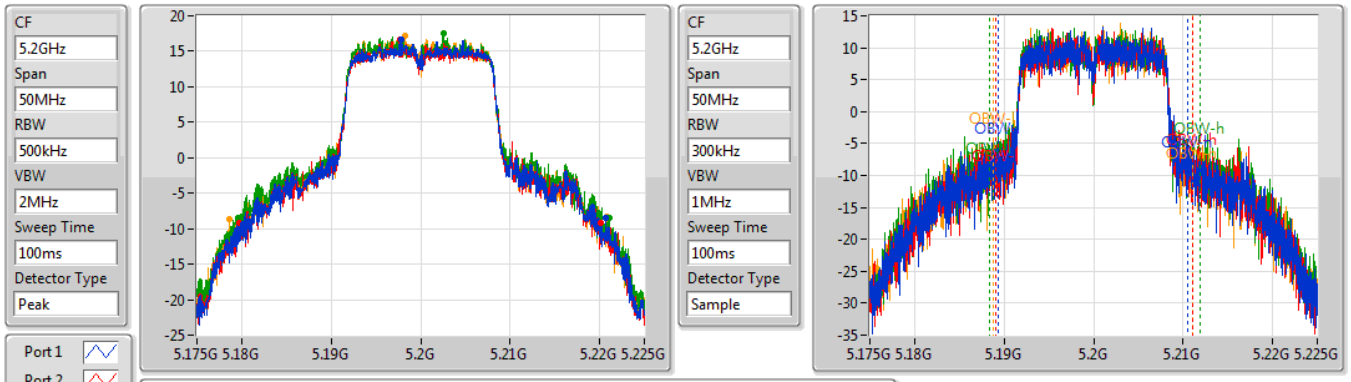


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.075M	5.170225G	5.1893G	16.417M	5.171754G	5.188171G	Inf	1
19.575M	5.1698G	5.189375G	16.367M	5.171804G	5.188171G	Inf	2
19.1M	5.1704G	5.1895G	16.367M	5.171779G	5.188146G	Inf	3
19.25M	5.170225G	5.189475G	16.417M	5.171779G	5.188196G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

07/11/2019

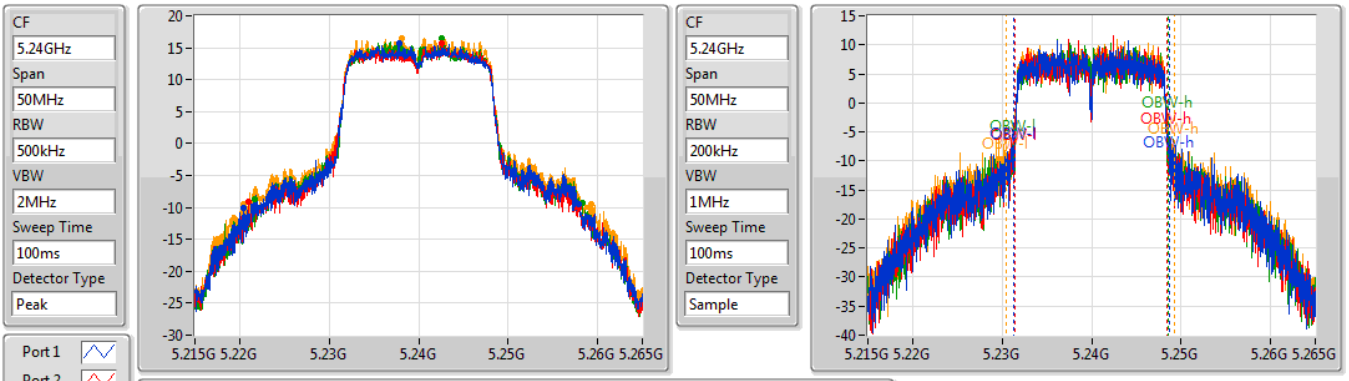


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.575M	5.18015G	5.220725G	21.214M	5.18928G	5.210495G	Inf	1
40.375M	5.1797G	5.220075G	22.039M	5.18903G	5.211069G	Inf	2
41.475M	5.1796G	5.221075G	23.563M	5.188331G	5.211894G	Inf	3
42.175M	5.1786G	5.220775G	22.239M	5.188856G	5.211094G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

07/11/2019

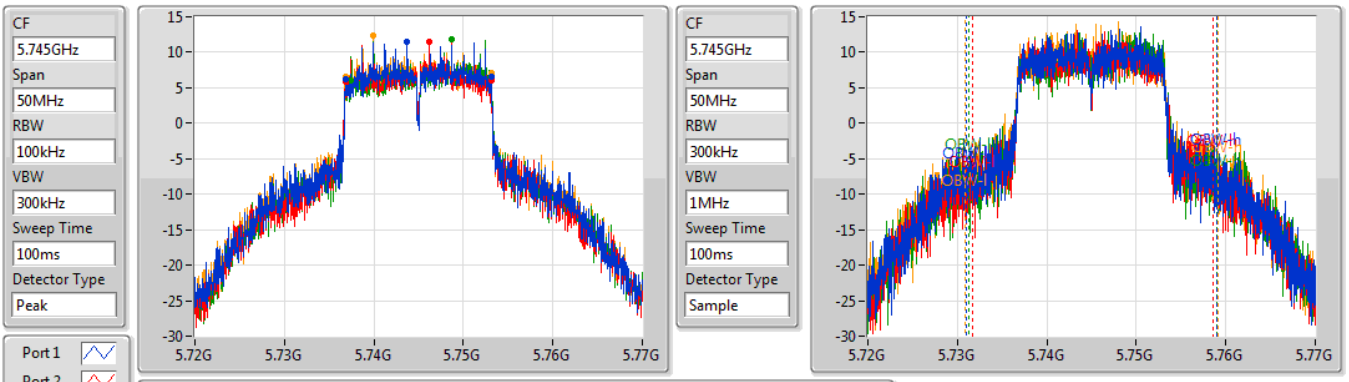


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.475M	5.220475G	5.25795G	17.416M	5.231254G	5.248671G	Inf	1
36.925M	5.221025G	5.25795G	17.016M	5.231429G	5.248446G	Inf	2
36.65M	5.221675G	5.258325G	17.241M	5.231354G	5.248596G	Inf	3
38.925M	5.220375G	5.2593G	18.691M	5.230505G	5.249195G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

07/11/2019

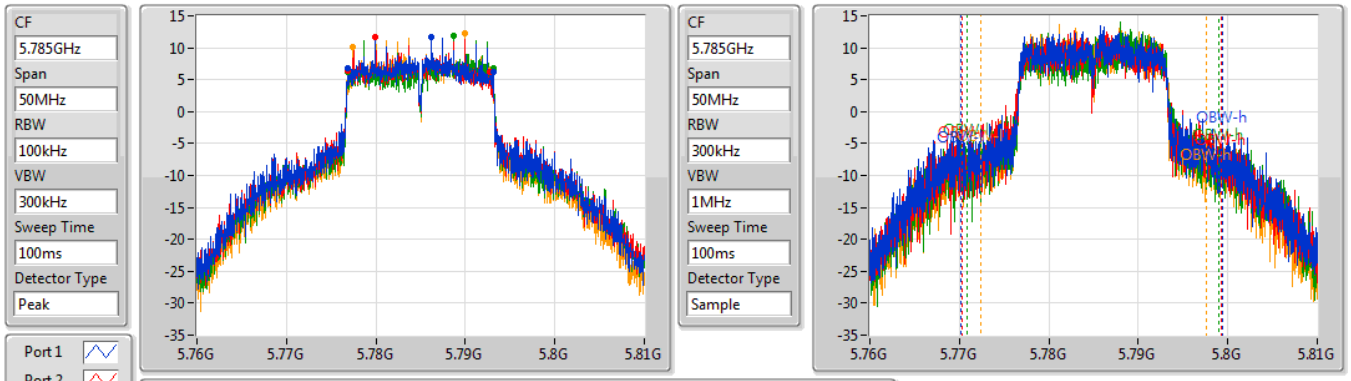


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.736825G	5.7531G	27.886M	5.731057G	5.758943G	500k	1
16.275M	5.736825G	5.7531G	26.812M	5.731732G	5.758543G	500k	2
15.675M	5.73745G	5.753125G	27.736M	5.731282G	5.759018G	500k	3
16.3M	5.7368G	5.7531G	28.261M	5.730857G	5.759118G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

07/11/2019

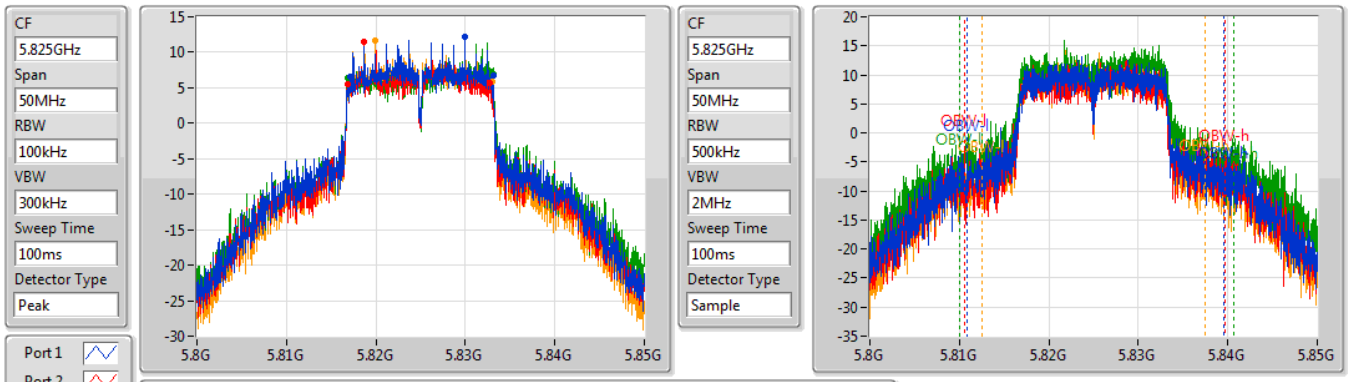


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.776825G	5.7931G	29.16M	5.770232G	5.799393G	500k	1
15.875M	5.776825G	5.7927G	28.936M	5.770332G	5.799268G	500k	2
16.3M	5.776825G	5.793125G	28.136M	5.770882G	5.799018G	500k	3
15.375M	5.77745G	5.792825G	25.262M	5.772406G	5.797669G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

07/11/2019

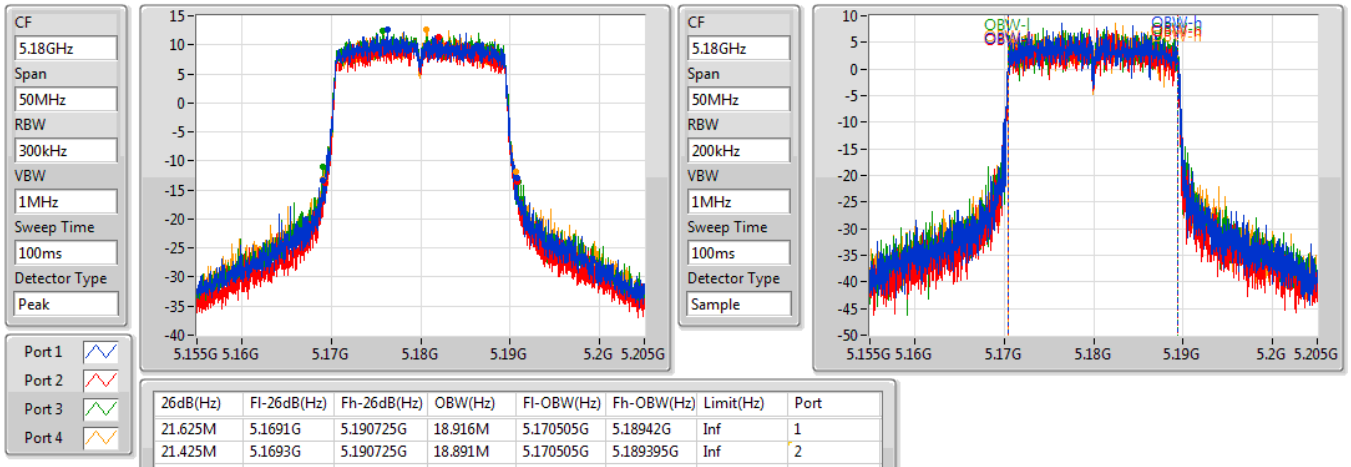


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.925M	5.817175G	5.8331G	28.686M	5.810832G	5.839518G	500k	1
15.925M	5.8168G	5.832725G	29.135M	5.810607G	5.839743G	500k	2
16.3M	5.816825G	5.833125G	30.585M	5.810057G	5.840642G	500k	3
16.25M	5.816825G	5.833075G	24.988M	5.812481G	5.837469G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5180MHz

07/11/2019

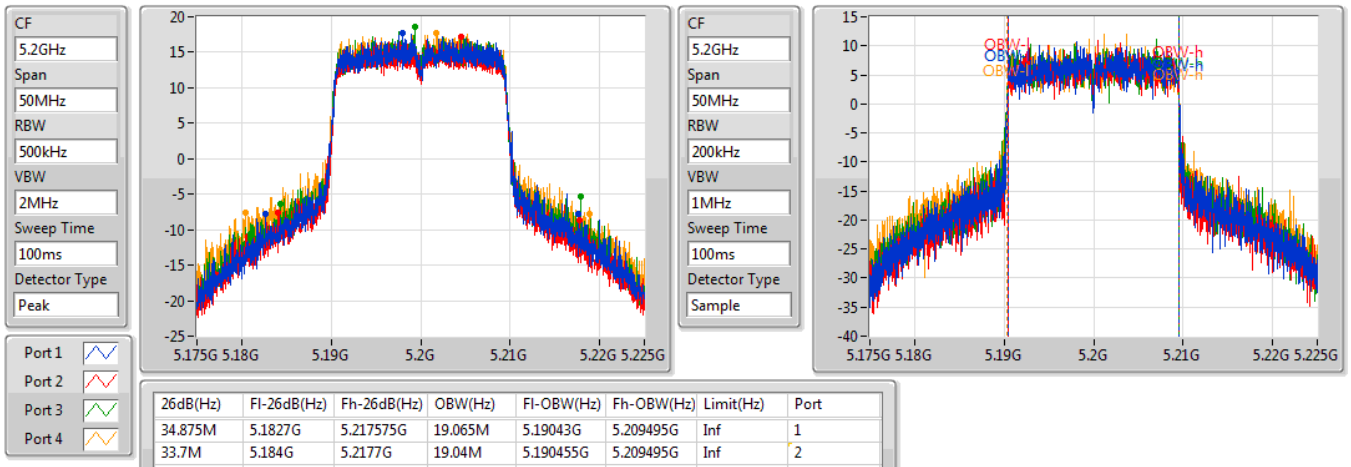


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.625M	5.1691G	5.190725G	18.916M	5.170505G	5.18942G	Inf	1
21.425M	5.1693G	5.190725G	18.891M	5.170505G	5.189395G	Inf	2
21.975M	5.169G	5.190975G	18.941M	5.170505G	5.189445G	Inf	3
21.55M	5.16905G	5.1906G	18.916M	5.170505G	5.18942G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5200MHz

07/11/2019

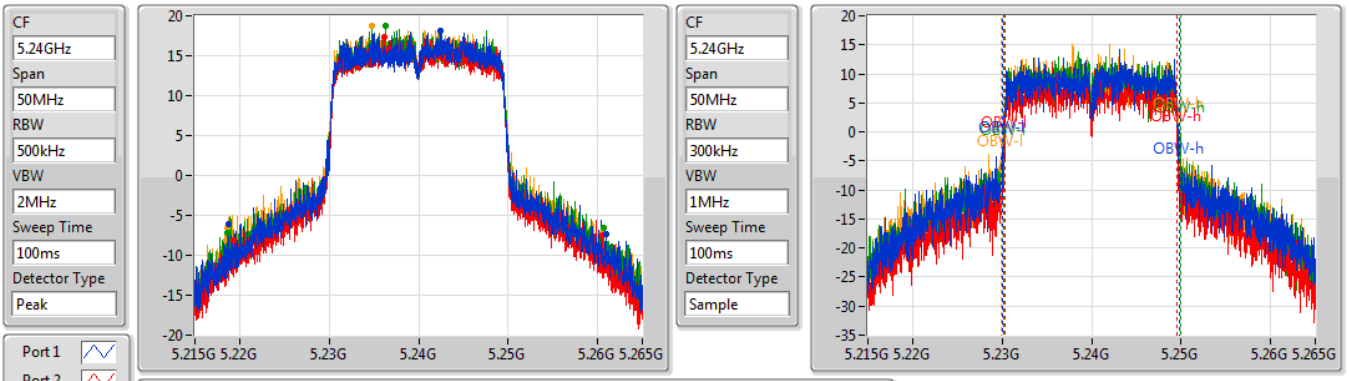


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.875M	5.1827G	5.217575G	19.065M	5.19043G	5.209495G	Inf	1
33.7M	5.184G	5.2177G	19.04M	5.190455G	5.209495G	Inf	2
33.525M	5.18435G	5.217875G	19.09M	5.190405G	5.209495G	Inf	3
38.475M	5.180375G	5.21885G	19.19M	5.190355G	5.209545G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5240MHz

07/11/2019

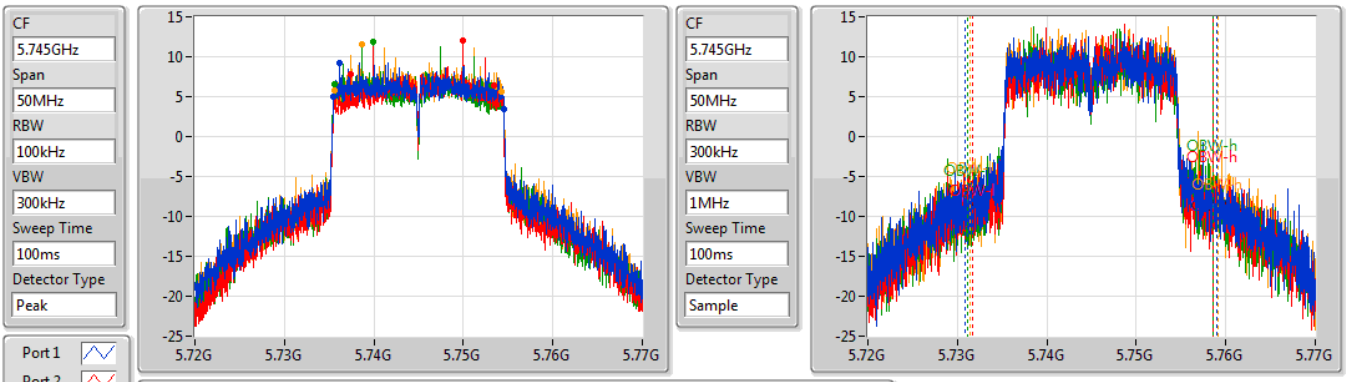


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.175M	5.2188G	5.260975G	19.89M	5.22998G	5.24987G	Inf	1
41.15M	5.219375G	5.260525G	19.315M	5.23028G	5.249595G	Inf	2
42.1M	5.21865G	5.26075G	19.765M	5.23013G	5.249895G	Inf	3
41.875M	5.2186G	5.260475G	19.99M	5.229855G	5.249845G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5745MHz

07/11/2019

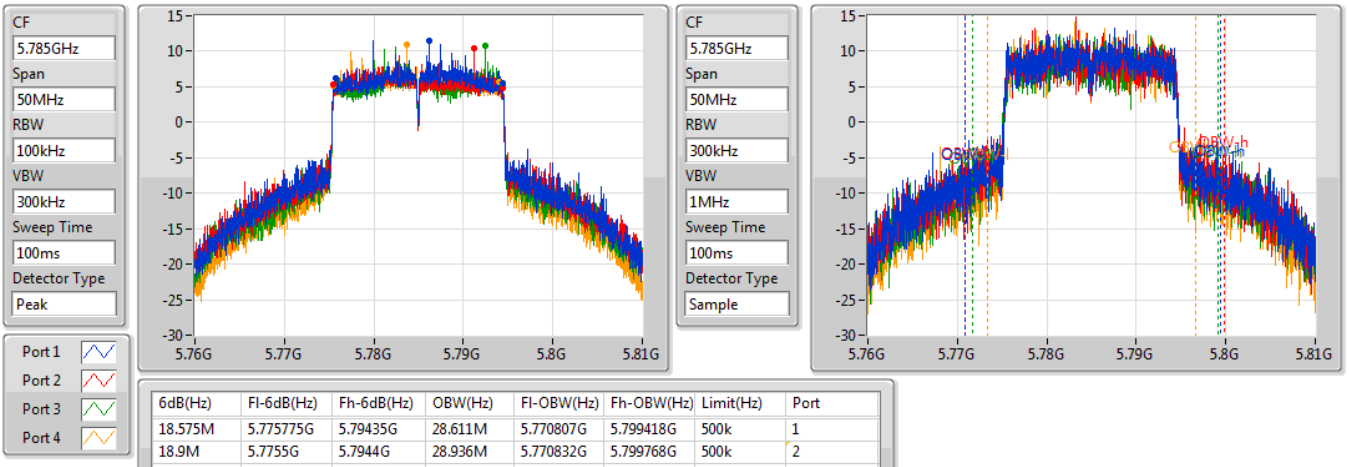


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.1M	5.735425G	5.754525G	28.036M	5.730932G	5.758968G	500k	1
15.975M	5.737425G	5.7534G	26.912M	5.731632G	5.758543G	500k	2
17.525M	5.73565G	5.753175G	27.436M	5.731107G	5.758543G	500k	3
18.7M	5.735625G	5.754325G	27.761M	5.731432G	5.759193G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5785MHz

07/11/2019

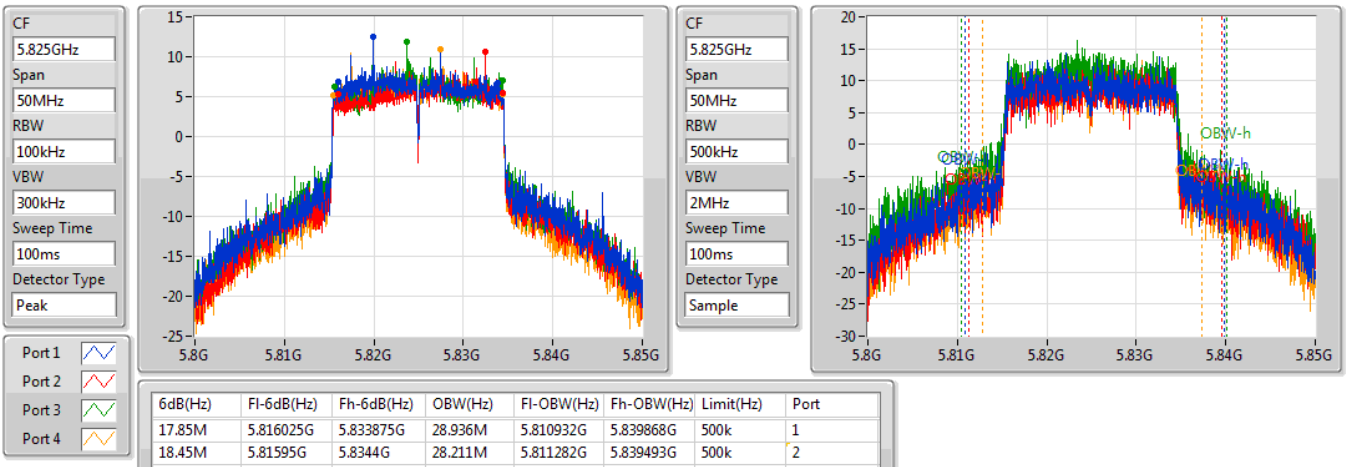


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.575M	5.775775G	5.79435G	28.611M	5.770807G	5.799418G	500k	1
18.9M	5.7755G	5.7944G	28.936M	5.770832G	5.799768G	500k	2
18.95M	5.775475G	5.794425G	27.486M	5.771632G	5.799118G	500k	3
18.475M	5.7755G	5.793975G	23.213M	5.773356G	5.796569G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5825MHz

07/11/2019

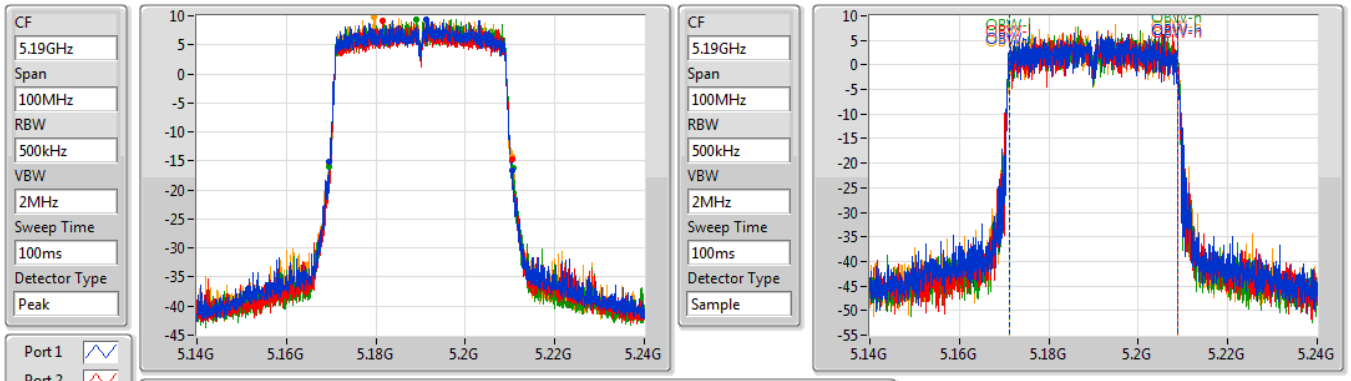


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.85M	5.816025G	5.833875G	28.936M	5.810932G	5.839868G	500k	1
18.45M	5.81595G	5.8344G	28.211M	5.811282G	5.839493G	500k	2
18.7M	5.81565G	5.83435G	29.61M	5.810482G	5.840092G	500k	3
18.9M	5.8155G	5.8344G	24.388M	5.812881G	5.837269G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5190MHz

07/11/2019

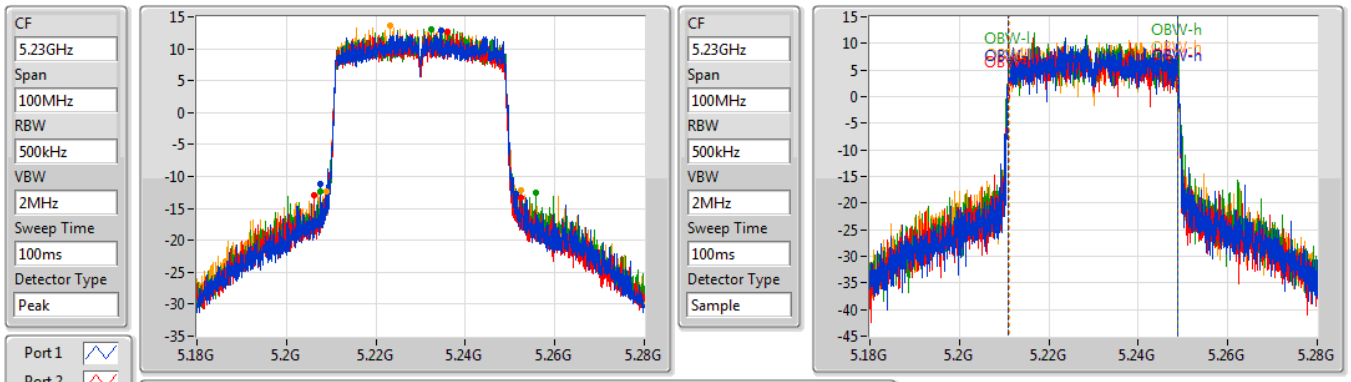


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.15M	5.1694G	5.21055G	37.731M	5.171059G	5.208791G	Inf	1
40.9M	5.1695G	5.2104G	37.631M	5.171159G	5.208791G	Inf	2
41.1M	5.16955G	5.21065G	37.731M	5.171109G	5.208841G	Inf	3
41.1M	5.1694G	5.2105G	37.681M	5.171159G	5.208841G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5230MHz

07/11/2019

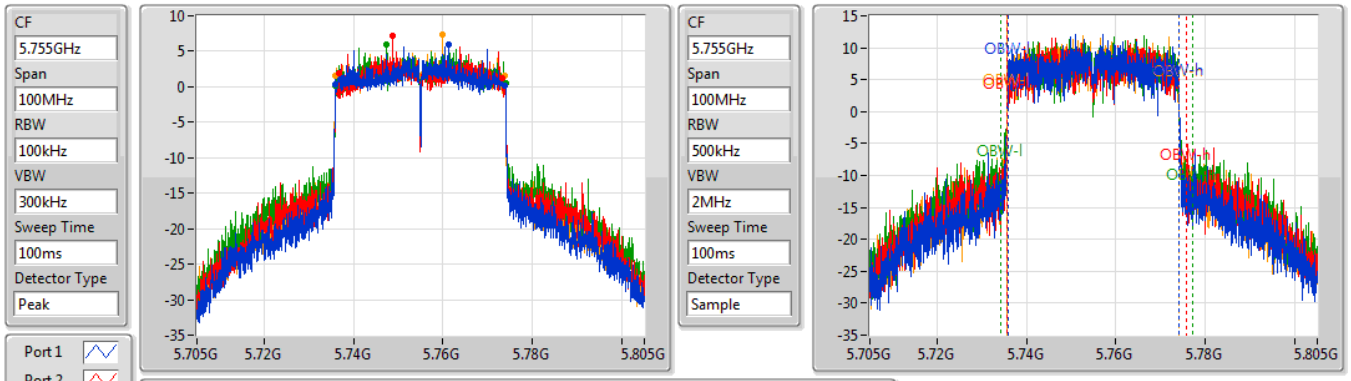


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.7M	5.20755G	5.25125G	37.831M	5.211009G	5.248841G	Inf	1
46.45M	5.2061G	5.25255G	37.831M	5.211009G	5.248841G	Inf	2
47.95M	5.2077G	5.25565G	37.931M	5.211009G	5.248941G	Inf	3
43.45M	5.209G	5.25245G	37.681M	5.211059G	5.248741G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5755MHz

07/11/2019

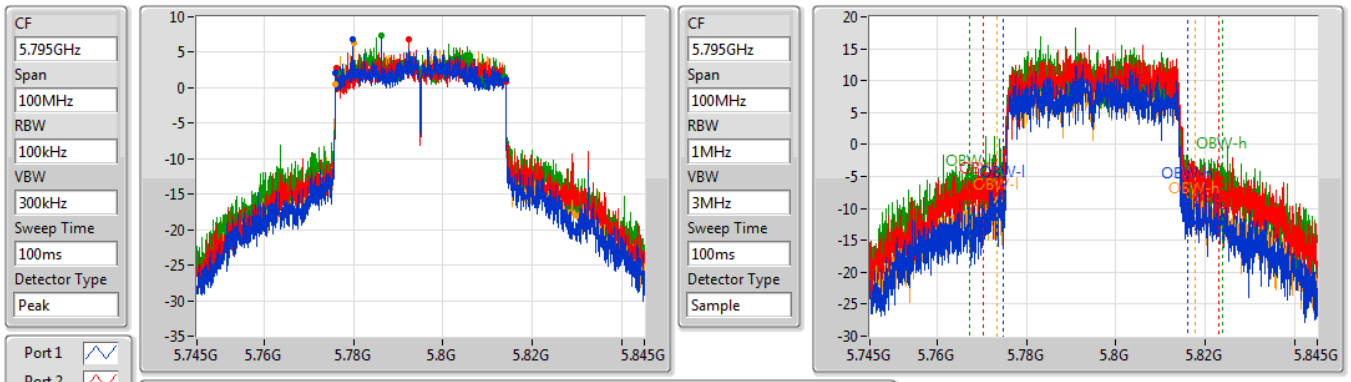


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.9M	5.736G	5.7739G	38.281M	5.73586G	5.77414G	500k	1
36.6M	5.73665G	5.77325G	39.88M	5.73576G	5.77564G	500k	2
38.05M	5.7359G	5.77395G	43.028M	5.73416G	5.777189G	500k	3
37.8M	5.73605G	5.77385G	38.381M	5.73576G	5.77414G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5795MHz

07/11/2019

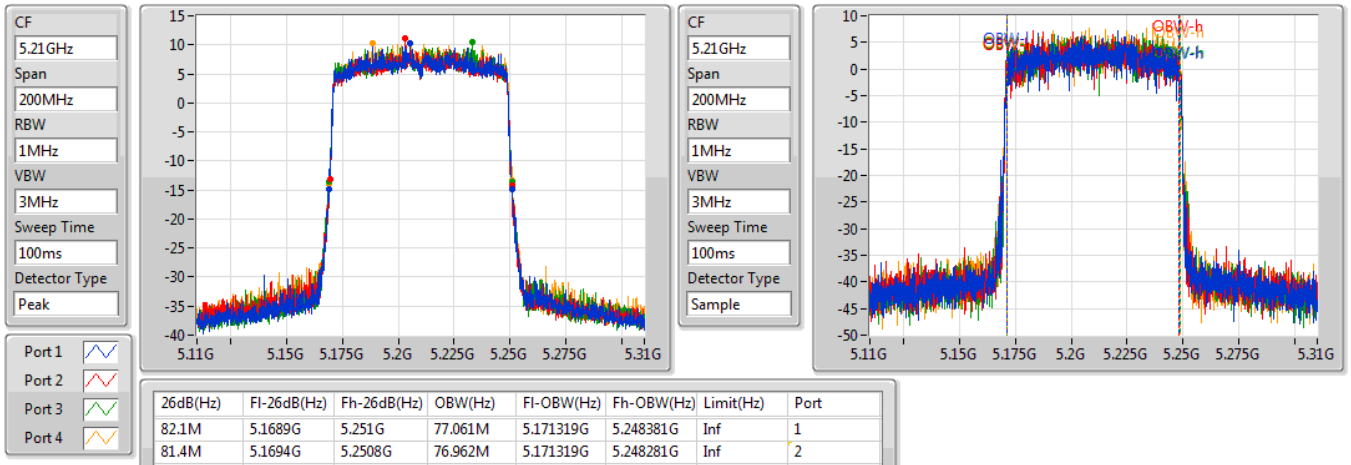


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.9M	5.77605G	5.81395G	41.279M	5.77476G	5.816039G	500k	1
37.85M	5.7762G	5.81405G	52.824M	5.770262G	5.823086G	500k	2
37.55M	5.77635G	5.8139G	56.372M	5.767364G	5.823736G	500k	3
37.95M	5.776G	5.81395G	44.328M	5.773461G	5.817789G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5210MHz

07/11/2019

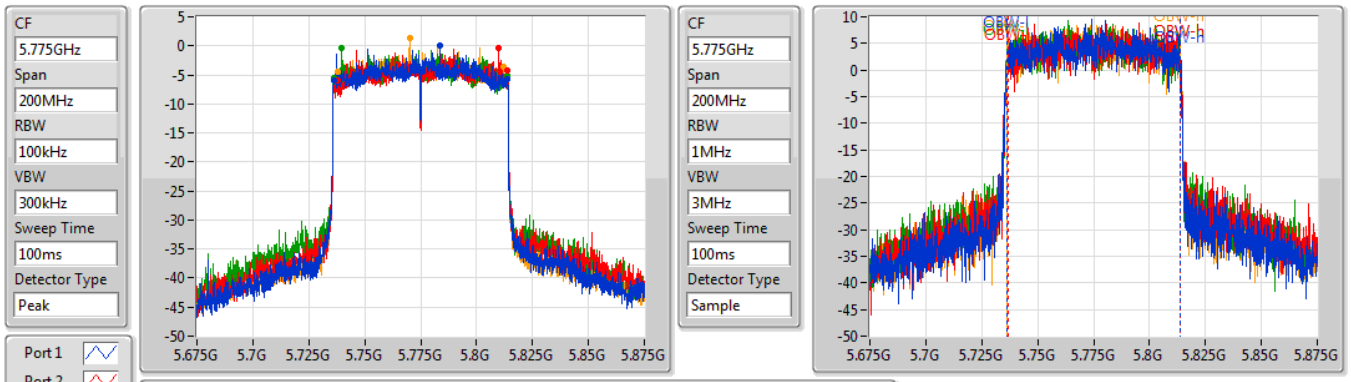


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.1M	5.1689G	5.251G	77.061M	5.171319G	5.248381G	Inf	1
81.4M	5.1694G	5.2508G	76.962M	5.171319G	5.248281G	Inf	2
82.2M	5.1688G	5.251G	77.061M	5.171419G	5.248481G	Inf	3
81.9M	5.1691G	5.251G	76.962M	5.171519G	5.248481G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5775MHz

07/11/2019

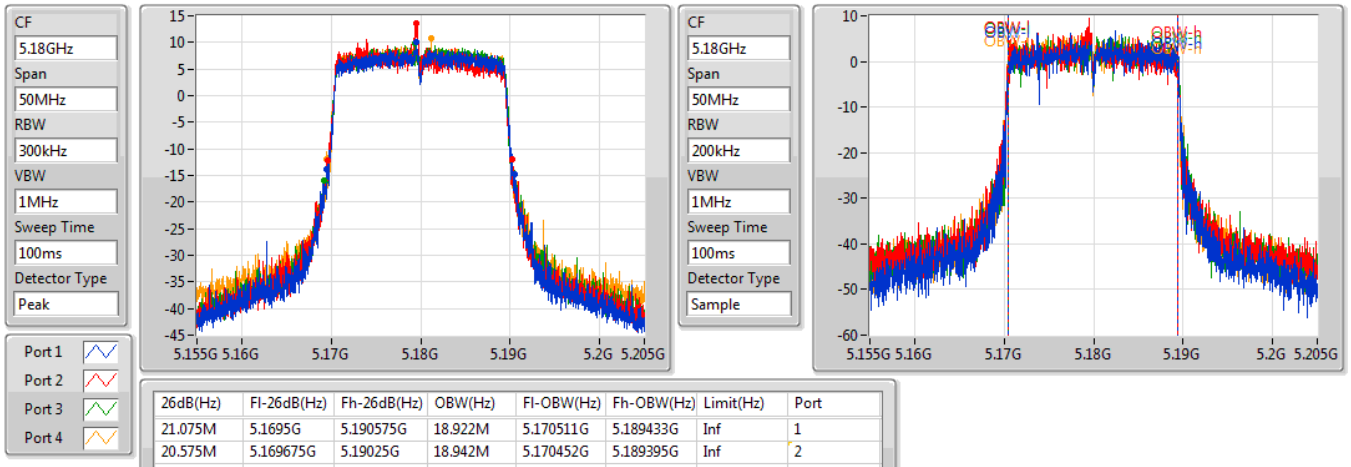


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.5M	5.7362G	5.8137G	77.461M	5.736219G	5.813681G	500k	1
76M	5.7379G	5.8139G	76.862M	5.736619G	5.813481G	500k	2
77.6M	5.7362G	5.8138G	77.161M	5.736419G	5.813581G	500k	3
74.1M	5.7382G	5.8123G	77.561M	5.736219G	5.813781G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

24/12/2019

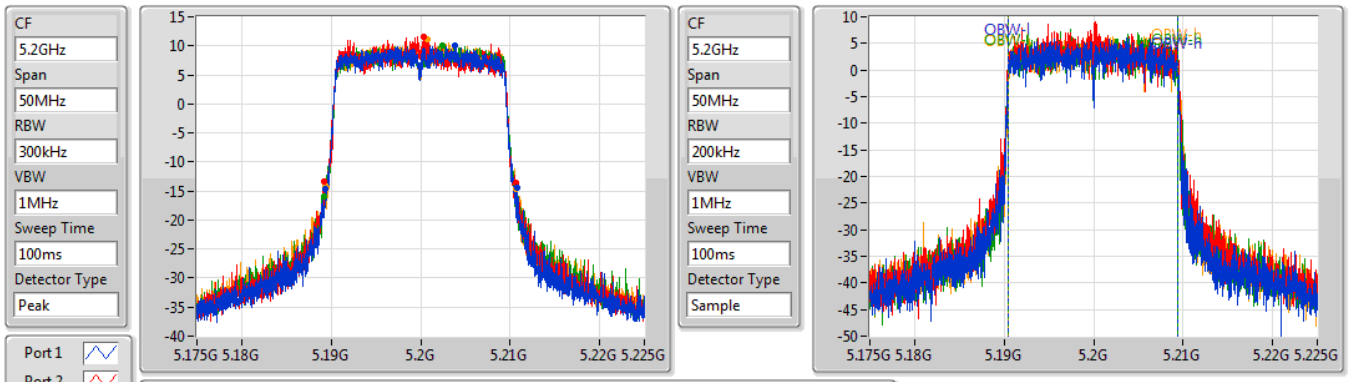


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.075M	5.1695G	5.190575G	18.922M	5.170511G	5.189433G	Inf	1
20.575M	5.169675G	5.19025G	18.942M	5.170452G	5.189395G	Inf	2
21.3M	5.16925G	5.19055G	18.913M	5.170512G	5.189425G	Inf	3
21.075M	5.1695G	5.190575G	18.898M	5.170518G	5.189417G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

24/12/2019

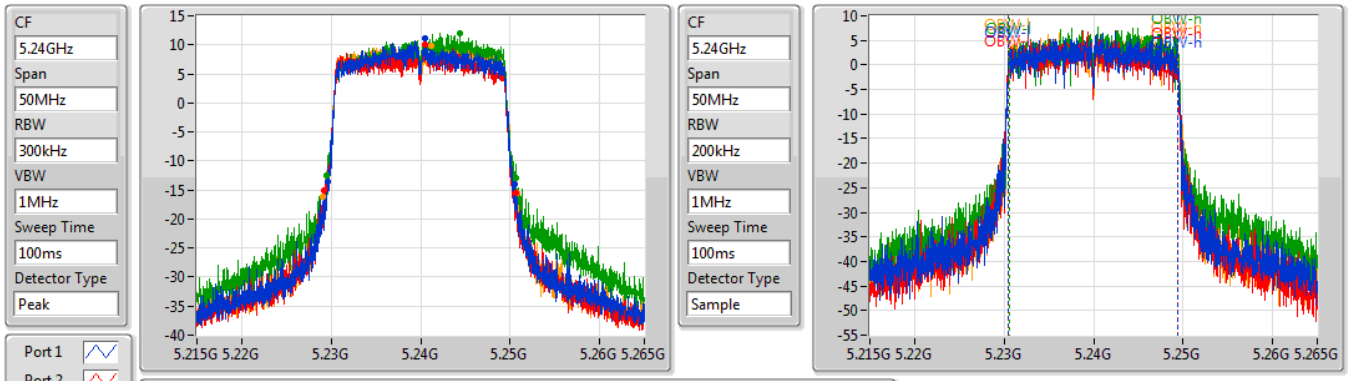


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.425M	5.18935G	5.210775G	18.9M	5.190497G	5.209397G	Inf	1
21.475M	5.189175G	5.21065G	18.96M	5.190478G	5.209439G	Inf	2
21.4M	5.189275G	5.210675G	18.914M	5.190517G	5.209431G	Inf	3
21.3M	5.189325G	5.210625G	18.924M	5.190511G	5.209435G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

24/12/2019

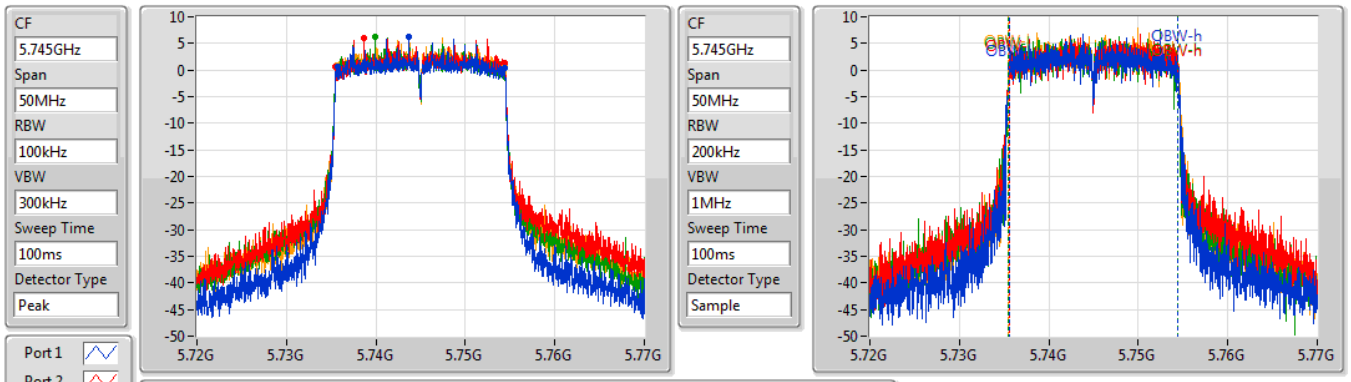


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21M	5.229575G	5.250575G	18.883M	5.230516G	5.249399G	Inf	1
21.425M	5.229175G	5.2506G	18.895M	5.230489G	5.249384G	Inf	2
21.225M	5.229475G	5.2507G	18.888M	5.230544G	5.249432G	Inf	3
21.75M	5.2291G	5.25085G	18.911M	5.23052G	5.249431G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5745MHz

24/12/2019

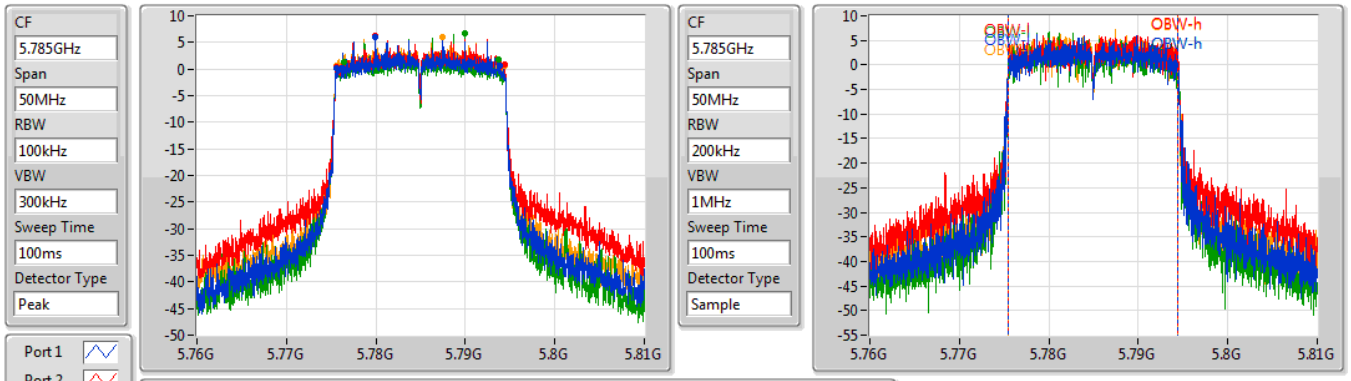


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.625M	5.7358G	5.754425G	18.92M	5.73553G	5.75445G	500k	1
18.9M	5.735525G	5.754425G	18.908M	5.735531G	5.754439G	500k	2
18.875M	5.735525G	5.7544G	18.929M	5.735497G	5.754427G	500k	3
18.875M	5.73555G	5.754425G	18.919M	5.735522G	5.754441G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

24/12/2019

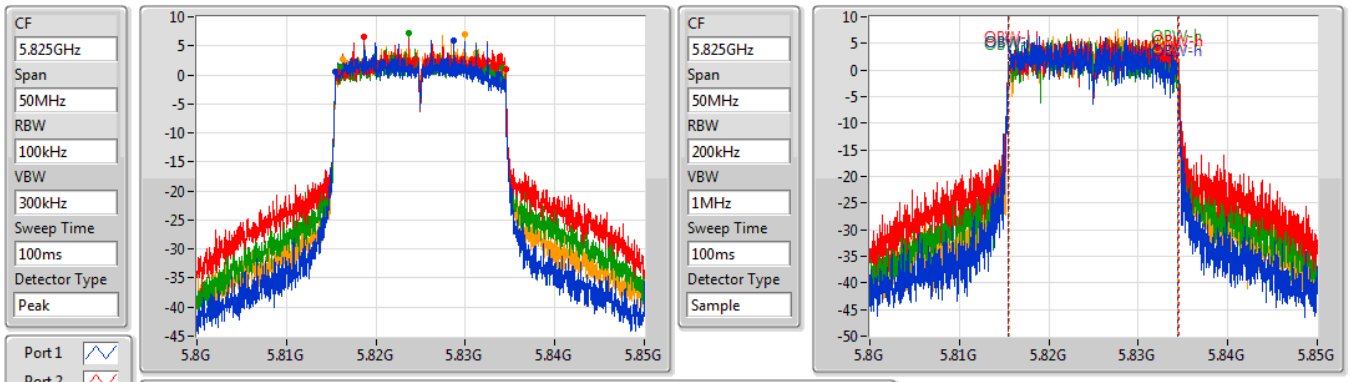


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.3M	5.775575G	5.793875G	18.903M	5.775511G	5.794415G	500k	1
18.825M	5.77555G	5.794375G	18.93M	5.775506G	5.794436G	500k	2
17.3M	5.77645G	5.79375G	18.907M	5.775523G	5.794429G	500k	3
18.8M	5.775625G	5.794425G	18.893M	5.775516G	5.794409G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

24/12/2019

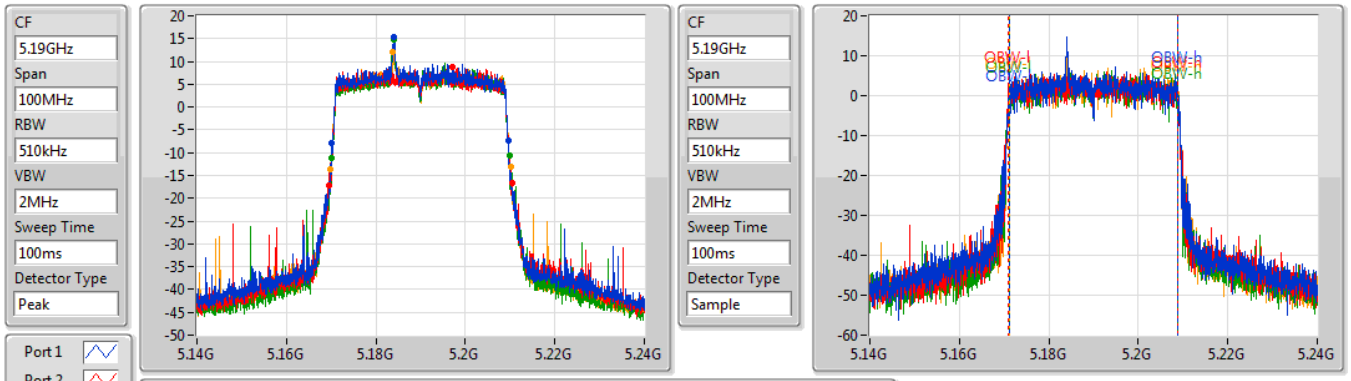


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.275M	5.815475G	5.83375G	18.89M	5.815493G	5.834384G	500k	1
18.75M	5.815725G	5.834475G	19M	5.815487G	5.834487G	500k	2
18.1M	5.816075G	5.834175G	18.943M	5.815504G	5.834447G	500k	3
18.1M	5.81625G	5.83435G	18.859M	5.815569G	5.834428G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5190MHz

24/12/2019

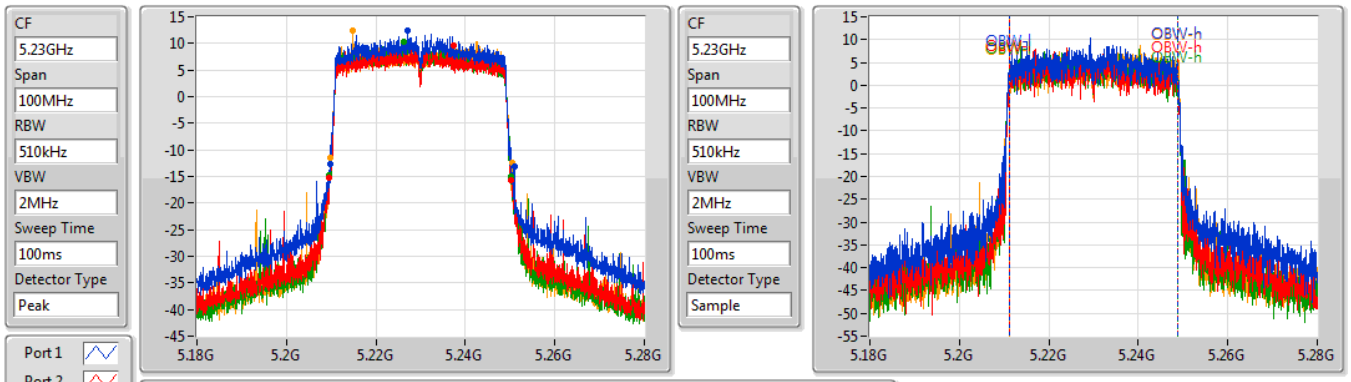


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.45M	5.1702G	5.20965G	37.692M	5.171116G	5.208807G	Inf	1
40.85M	5.1695G	5.21035G	37.808M	5.17101G	5.208818G	Inf	2
39.65M	5.1702G	5.20985G	37.753M	5.171094G	5.208847G	Inf	3
40.3M	5.1699G	5.2102G	37.692M	5.171139G	5.208831G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5230MHz

24/12/2019

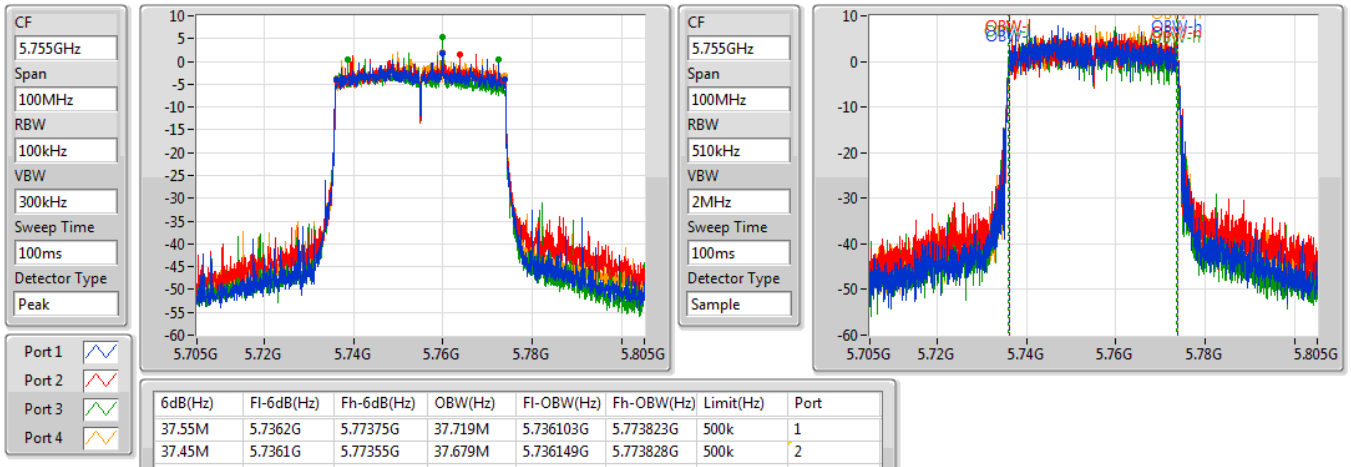


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.3M	5.2097G	5.251G	37.721M	5.211107G	5.248827G	Inf	1
40.8M	5.2095G	5.2503G	37.689M	5.21112G	5.248809G	Inf	2
40.8M	5.2095G	5.2503G	37.68M	5.211102G	5.248782G	Inf	3
40.45M	5.2099G	5.25035G	37.782M	5.211151G	5.248933G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

24/12/2019

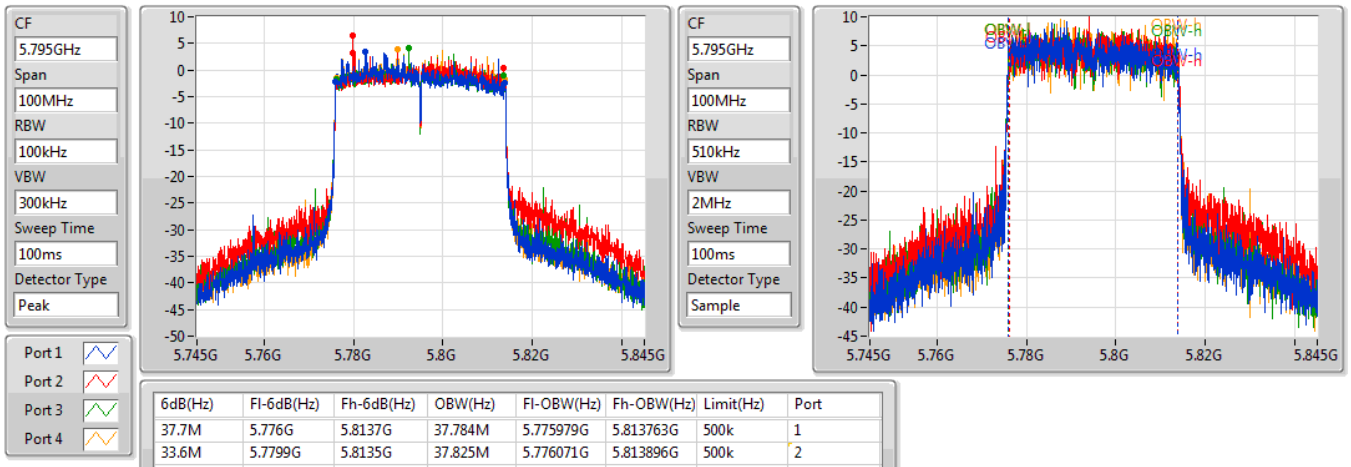


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	5.7362G	5.77375G	37.719M	5.736103G	5.773823G	500k	1
37.45M	5.7361G	5.77355G	37.679M	5.736149G	5.773828G	500k	2
33.8M	5.7387G	5.7725G	37.604M	5.736057G	5.773662G	500k	3
37.6M	5.7363G	5.7739G	37.664M	5.736183G	5.773846G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

24/12/2019



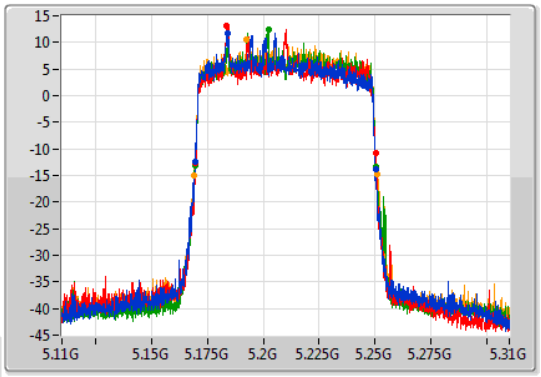
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.7M	5.776G	5.8137G	37.784M	5.775979G	5.813763G	500k	1
33.6M	5.7799G	5.8135G	37.825M	5.776071G	5.813896G	500k	2
37.4M	5.7761G	5.8135G	37.75M	5.776012G	5.813762G	500k	3
37.65M	5.77625G	5.8139G	37.732M	5.7761G	5.813832G	500k	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

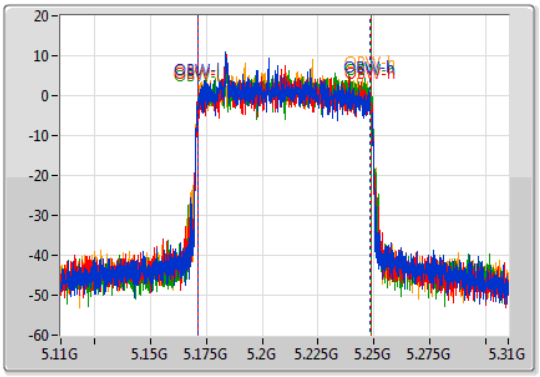
5210MHz

24/12/2019

CF	5.21GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.21GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



Port 1
Port 2
Port 3
Port 4

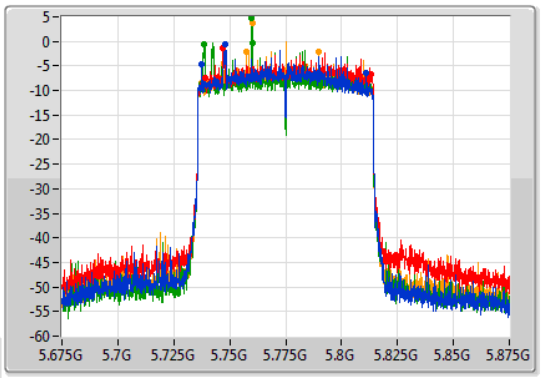
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.9M	5.1695G	5.2504G	76.884M	5.171392G	5.248277G	Inf	1
80.8M	5.1694G	5.2502G	77.069M	5.171479G	5.248548G	Inf	2
81M	5.1694G	5.2504G	77.29M	5.171425G	5.248716G	Inf	3
81.9M	5.169G	5.2509G	77.228M	5.171395G	5.248623G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

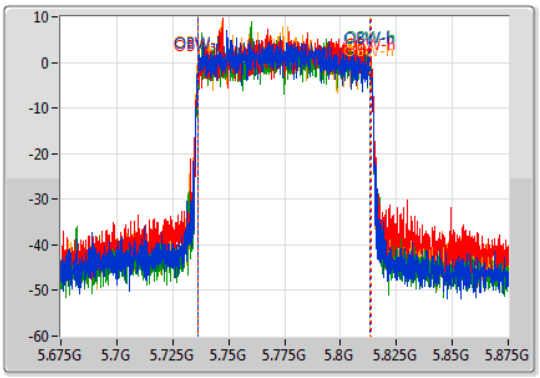
5775MHz

24/12/2019

CF	5.775GHz
Span	200MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.775GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.7M	5.7375G	5.8112G	76.915M	5.736488G	5.813403G	500k	1
74.2M	5.7392G	5.8134G	77.054M	5.736559G	5.813614G	500k	2
21.8M	5.7383G	5.7601G	77.174M	5.736365G	5.813539G	500k	3
32.4M	5.7575G	5.7899G	76.958M	5.736326G	5.813284G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	28.63	0.72946
802.11ax HEW20_Nss1,(MCS0)_4TX	28.37	0.68707
802.11ax HEW40_Nss1,(MCS0)_4TX	26.15	0.41210
802.11ax HEW80_Nss1,(MCS0)_4TX	22.56	0.18030
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.65	0.29174
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.35	0.21627
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.80	0.15136
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	28.65	0.73282
802.11ax HEW20_Nss1,(MCS0)_4TX	28.47	0.70307
802.11ax HEW40_Nss1,(MCS0)_4TX	27.94	0.62230
802.11ax HEW80_Nss1,(MCS0)_4TX	24.22	0.26424
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.39	0.27479
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	24.55	0.28510
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.57	0.14355

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	0.97	18.50	18.05	18.46	18.56	24.42	30.00
5200MHz	Pass	0.97	22.58	22.43	22.75	22.69	28.63	30.00
5240MHz	Pass	0.97	21.79	21.58	21.73	22.28	27.87	30.00
5745MHz	Pass	0.97	22.66	22.40	22.38	23.06	28.65	30.00
5785MHz	Pass	0.97	22.64	22.59	22.16	22.58	28.52	30.00
5825MHz	Pass	0.97	22.57	21.72	22.10	22.40	28.23	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	0.97	19.19	18.44	19.22	19.16	25.03	30.00
5200MHz	Pass	0.97	21.58	21.18	21.71	21.91	27.62	30.00
5240MHz	Pass	0.97	22.35	22.11	22.32	22.60	28.37	30.00
5745MHz	Pass	0.97	22.56	22.21	22.17	22.83	28.47	30.00
5785MHz	Pass	0.97	22.60	22.27	22.02	22.33	28.33	30.00
5825MHz	Pass	0.97	22.47	21.63	21.78	22.28	28.07	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	0.97	16.54	16.12	16.80	16.85	22.61	30.00
5230MHz	Pass	0.97	20.04	19.76	20.14	20.55	26.15	30.00
5755MHz	Pass	0.97	21.10	21.17	21.52	21.63	27.38	30.00
5795MHz	Pass	0.97	21.60	21.63	21.99	22.41	27.94	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	0.97	16.31	16.29	16.66	16.86	22.56	30.00
5775MHz	Pass	0.97	18.12	18.08	18.29	18.32	24.22	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.99	16.98	17.01	17.52	17.50	23.28	29.01
5200MHz	Pass	6.99	18.37	18.88	18.57	18.67	24.65	29.01
5240MHz	Pass	6.99	17.79	17.13	18.77	18.49	24.11	29.01
5745MHz	Pass	6.99	17.90	18.41	18.30	18.80	24.38	29.01
5785MHz	Pass	6.99	17.83	18.51	17.27	18.43	24.06	29.01
5825MHz	Pass	6.99	17.67	18.79	18.31	18.62	24.39	29.01
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.99	17.18	15.91	16.23	16.26	22.44	29.01
5230MHz	Pass	6.99	16.13	17.38	17.65	17.95	23.35	29.01
5755MHz	Pass	6.99	16.01	16.67	15.98	17.01	22.46	29.01
5795MHz	Pass	6.99	18.29	18.73	18.29	18.77	24.55	29.01
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.99	15.60	15.46	15.85	16.17	21.80	29.01
5775MHz	Pass	6.99	15.48	16.28	14.96	15.38	21.57	29.01

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.79
802.11ax HEW20_Nss1,(MCS0)_4TX	14.78
802.11ax HEW40_Nss1,(MCS0)_4TX	9.85
802.11ax HEW80_Nss1,(MCS0)_4TX	3.34
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.56
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	9.60
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	6.84
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	14.42
802.11ax HEW20_Nss1,(MCS0)_4TX	13.50
802.11ax HEW40_Nss1,(MCS0)_4TX	10.28
802.11ax HEW80_Nss1,(MCS0)_4TX	3.46
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.91
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	6.26
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.92

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

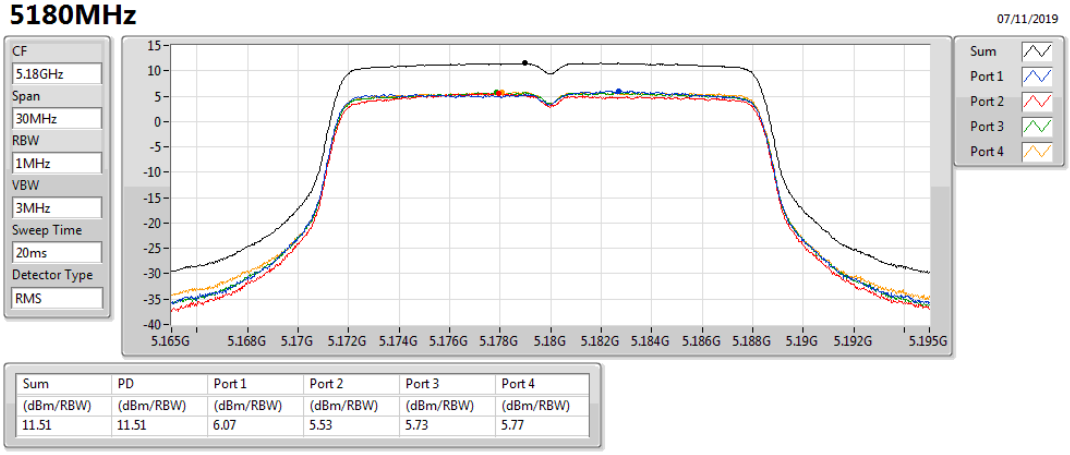
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.99	6.07	5.53	5.73	5.77	11.51	16.01
5200MHz	Pass	6.99	9.77	9.63	10.13	9.98	15.79	16.01
5240MHz	Pass	6.99	9.18	8.84	9.27	9.57	15.06	16.01
5745MHz	Pass	6.99	8.40	8.72	8.58	8.74	14.42	29.01
5785MHz	Pass	6.99	8.50	8.46	8.60	8.28	14.18	29.01
5825MHz	Pass	6.99	8.75	8.18	8.48	8.38	14.04	29.01
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.99	6.00	5.00	5.90	5.67	11.61	16.01
5200MHz	Pass	6.99	8.17	7.75	8.35	8.60	14.07	16.01
5240MHz	Pass	6.99	9.07	8.61	9.27	9.11	14.78	16.01
5745MHz	Pass	6.99	7.47	7.71	7.46	7.84	13.50	29.01
5785MHz	Pass	6.99	7.88	7.53	7.43	7.47	13.34	29.01
5825MHz	Pass	6.99	7.69	7.02	8.02	7.35	13.24	29.01
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.99	0.61	-0.19	0.77	0.66	6.27	16.01
5230MHz	Pass	6.99	3.96	3.58	4.26	4.61	9.85	16.01
5755MHz	Pass	6.99	3.78	3.75	4.37	4.25	9.52	29.01
5795MHz	Pass	6.99	4.18	4.28	4.90	4.75	10.28	29.01
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.99	-2.62	-2.73	-2.48	-2.10	3.34	16.01
5775MHz	Pass	6.99	-2.20	-2.33	-1.43	-2.12	3.46	29.01
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.99	3.37	5.67	3.73	3.80	9.93	16.01
5200MHz	Pass	6.99	4.56	5.77	4.80	4.89	10.56	16.01
5240MHz	Pass	6.99	4.34	4.36	5.64	4.51	10.41	16.01
5745MHz	Pass	6.99	2.56	3.19	3.02	3.59	8.91	29.01
5785MHz	Pass	6.99	2.54	3.23	2.03	3.24	8.56	29.01
5825MHz	Pass	6.99	2.64	3.56	2.75	3.65	8.86	29.01
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.99	4.59	-0.36	4.99	3.90	9.60	16.01
5230MHz	Pass	6.99	2.48	0.68	1.16	1.19	7.15	16.01
5755MHz	Pass	6.99	-1.45	-0.82	1.29	-0.59	5.42	29.01
5795MHz	Pass	6.99	0.64	1.25	0.10	0.91	6.26	29.01
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.99	2.69	2.77	-0.54	-3.14	6.84	16.01
5775MHz	Pass	6.99	-5.08	-4.83	0.81	1.58	4.92	29.01

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

802.11a_Nss1,(6Mbps)_4TX PSD

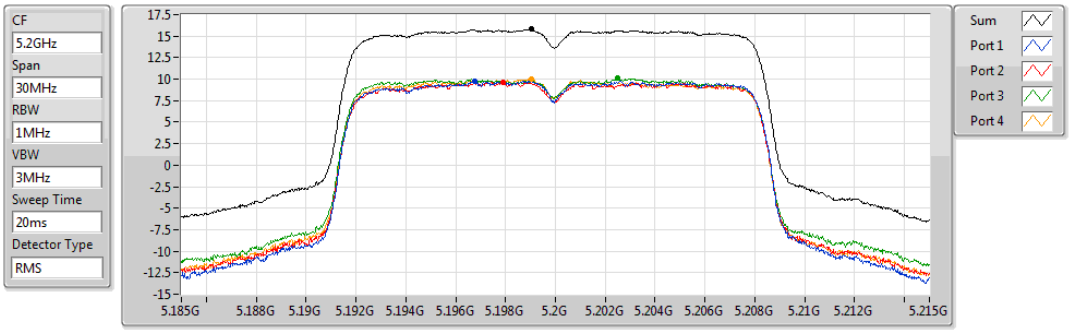
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.51	11.51	6.07	5.53	5.73	5.77

802.11a_Nss1,(6Mbps)_4TX PSD

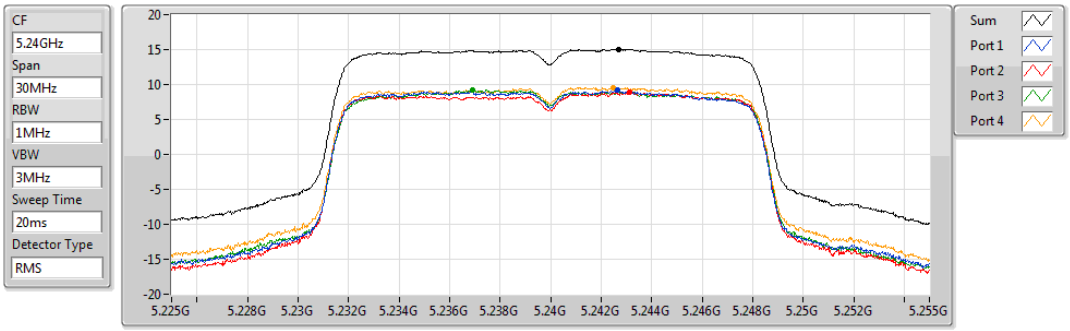
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.79	15.79	9.77	9.63	10.13	9.98

802.11a_Nss1,(6Mbps)_4TX PSD

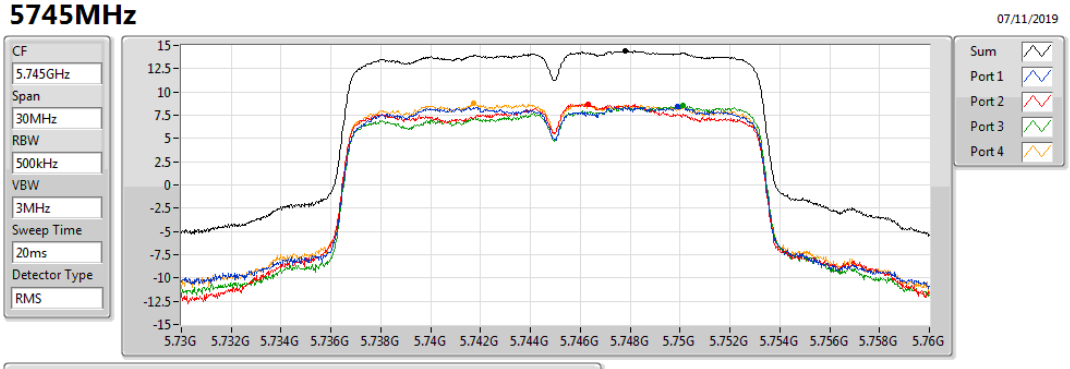
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.06	15.06	9.18	8.84	9.27	9.57

802.11a_Nss1,(6Mbps)_4TX PSD

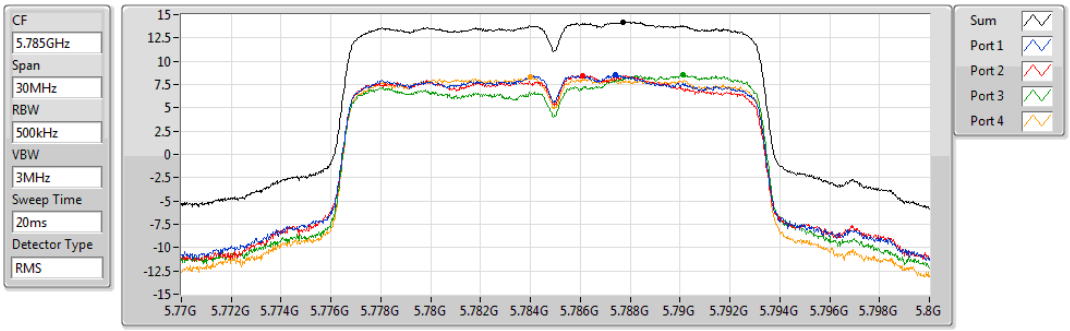
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.42	14.42	8.40	8.72	8.58	8.74

802.11a_Nss1,(6Mbps)_4TX PSD

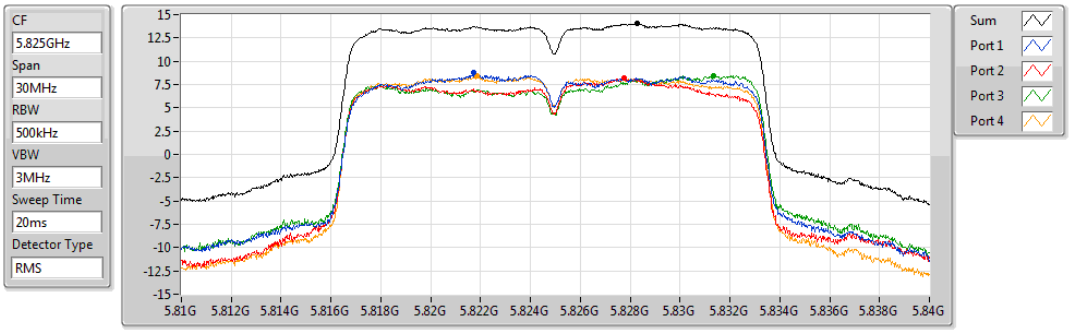
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.18	14.18	8.50	8.46	8.60	8.28

802.11a_Nss1,(6Mbps)_4TX PSD

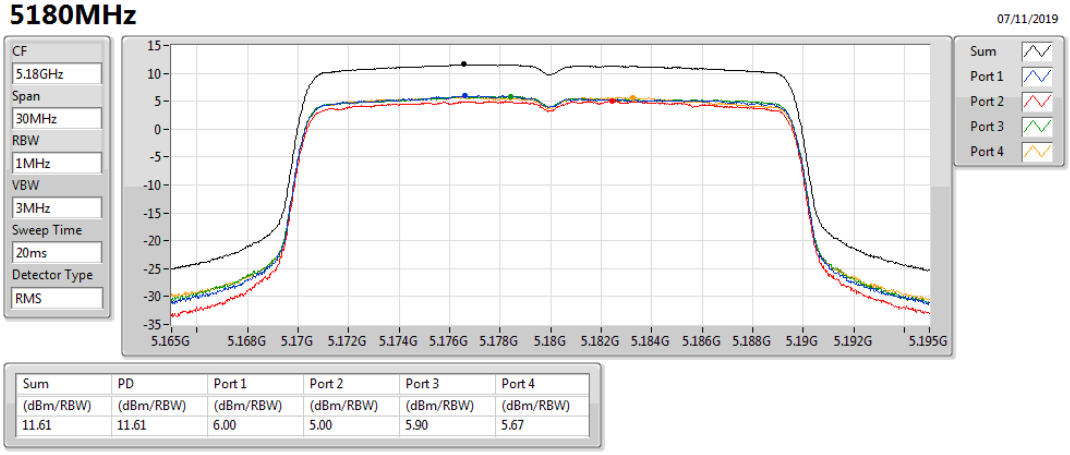
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.04	14.04	8.75	8.18	8.48	8.38

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

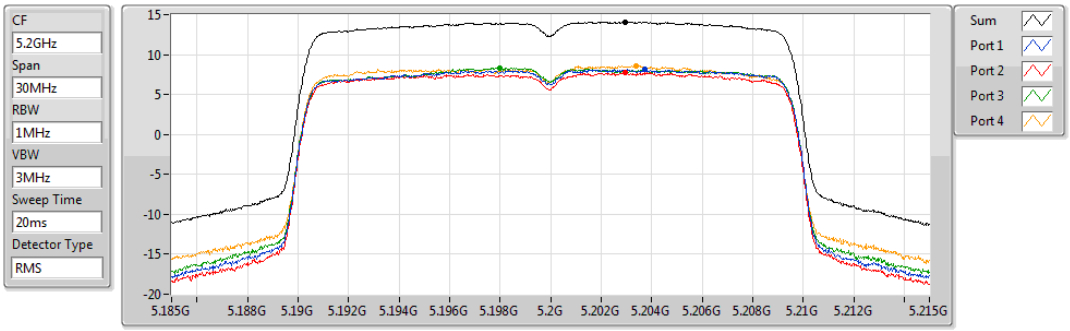
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.61	11.61	6.00	5.00	5.90	5.67

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

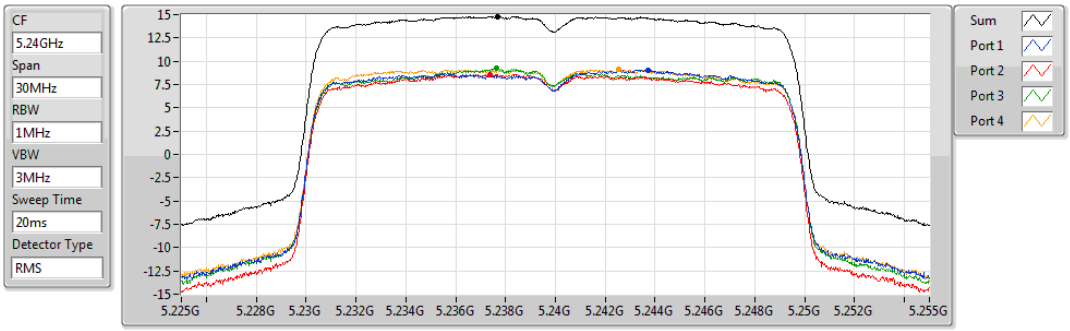
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.07	14.07	8.17	7.75	8.35	8.60

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

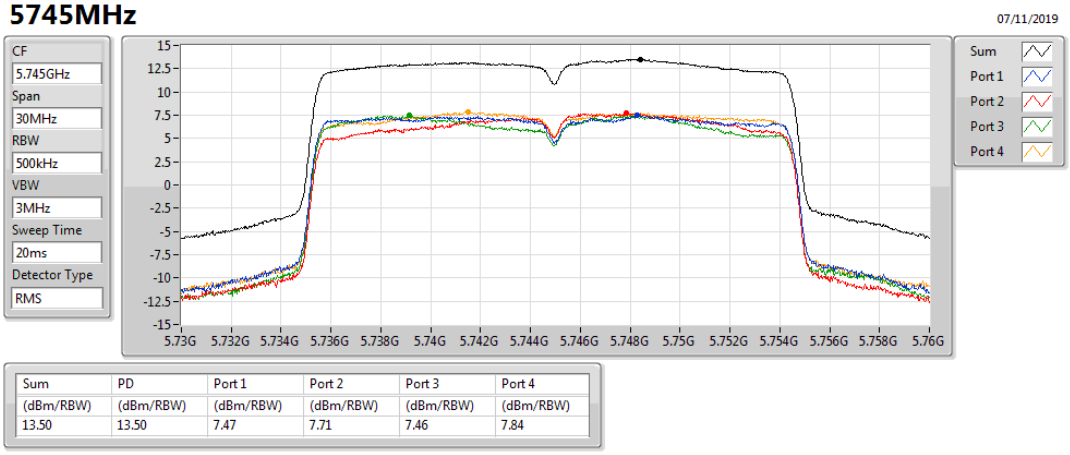
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.78	14.78	9.07	8.61	9.27	9.11

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

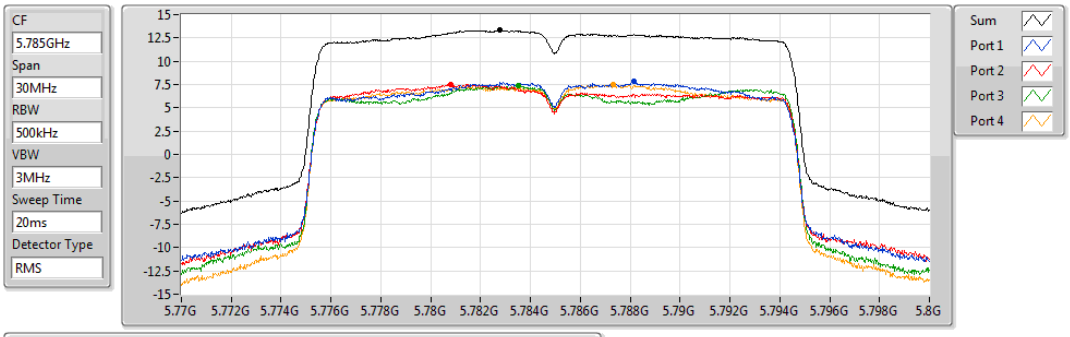
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.50	13.50	7.47	7.71	7.46	7.84

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

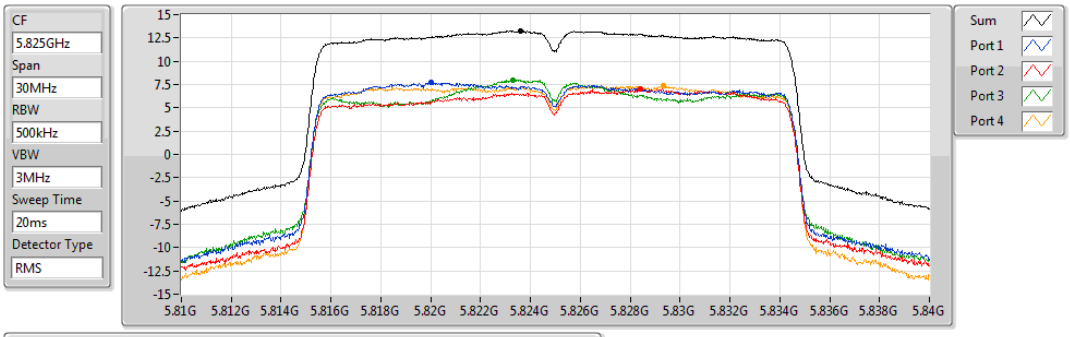
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.34	13.34	7.88	7.53	7.43	7.47

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

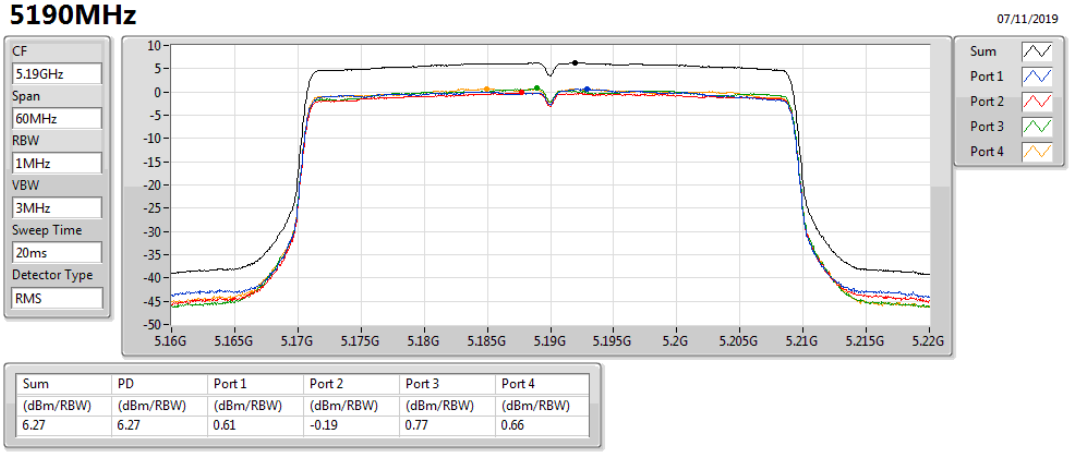
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.24	13.24	7.69	7.02	8.02	7.35

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

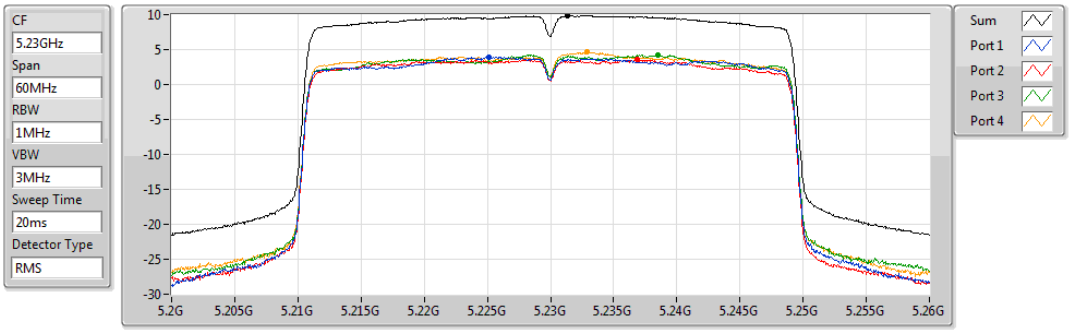
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.27	6.27	0.61	-0.19	0.77	0.66

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

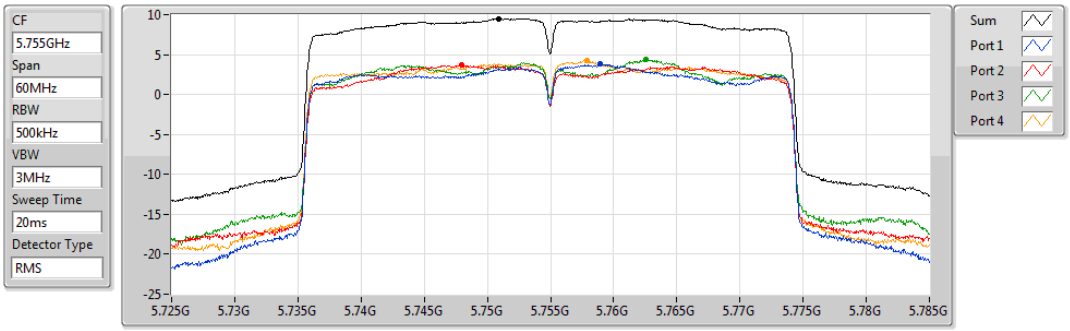
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.85	9.85	3.96	3.58	4.26	4.61

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

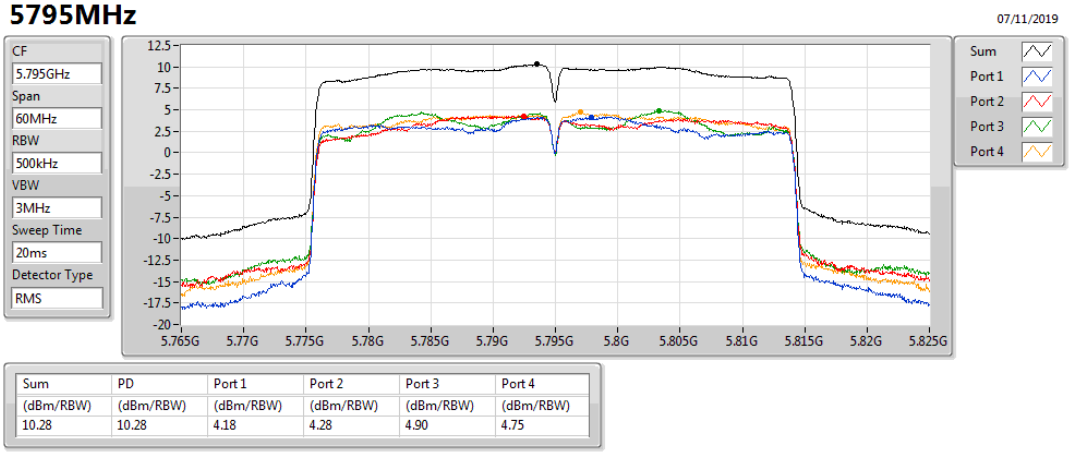
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.52	9.52	3.78	3.75	4.37	4.25

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

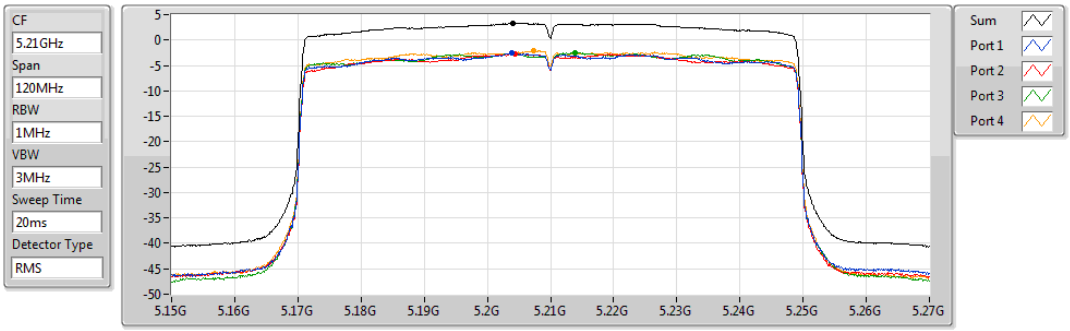
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.28	10.28	4.18	4.28	4.90	4.75

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

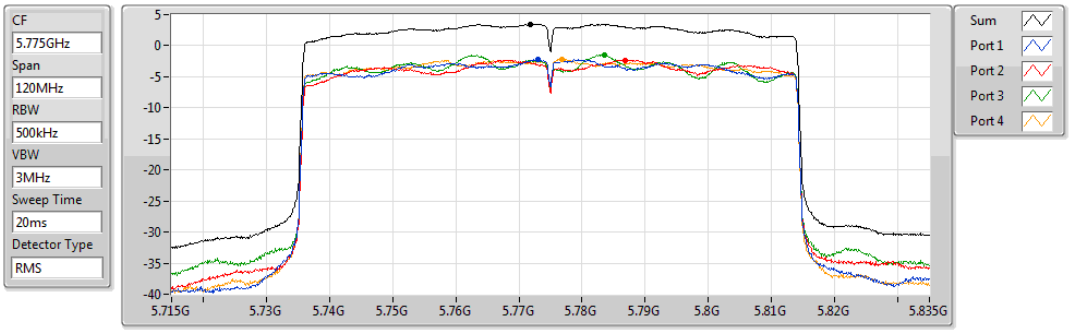
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.34	3.34	-2.62	-2.73	-2.48	-2.10

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

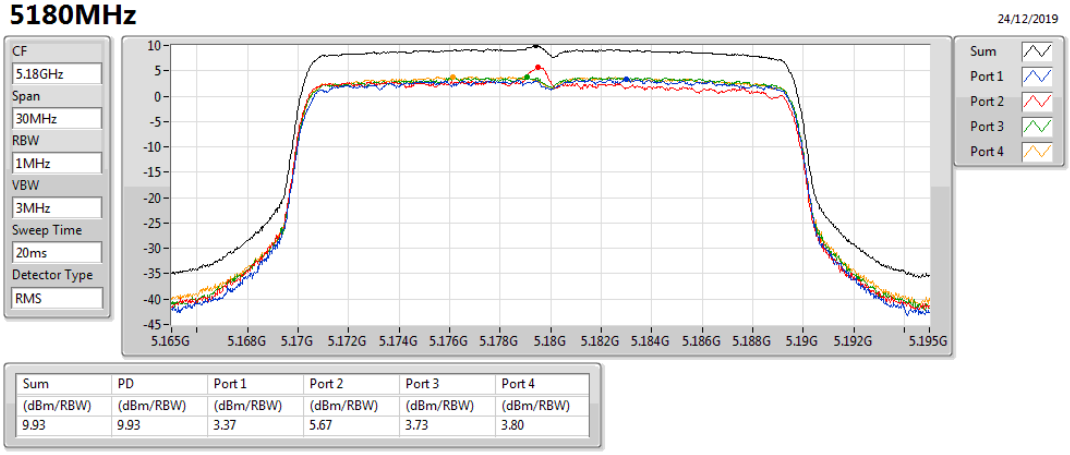
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.46	3.46	-2.20	-2.33	-1.43	-2.12

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

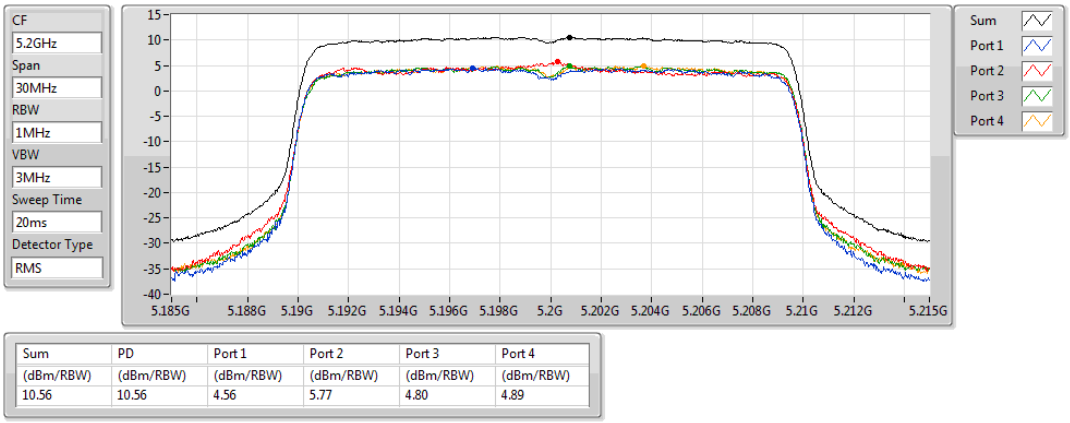
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.93	9.93	3.37	5.67	3.73	3.80

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

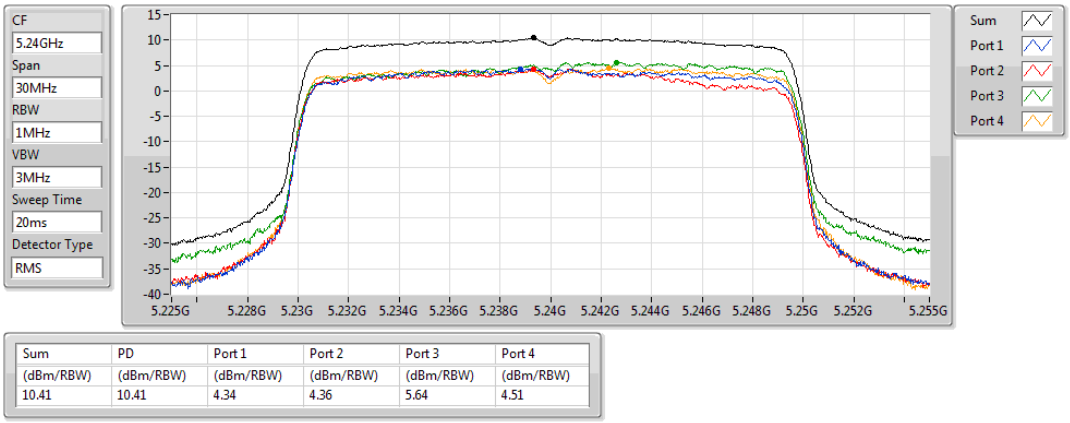
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.56	10.56	4.56	5.77	4.80	4.89

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

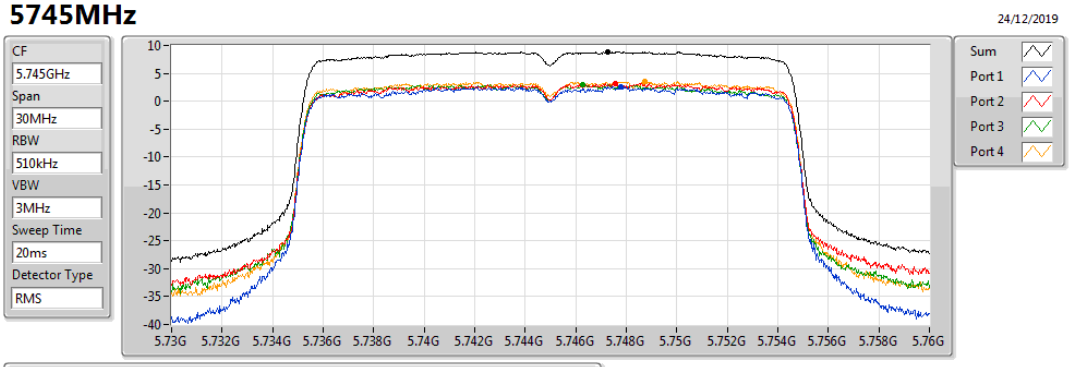
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.41	10.41	4.34	4.36	5.64	4.51

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

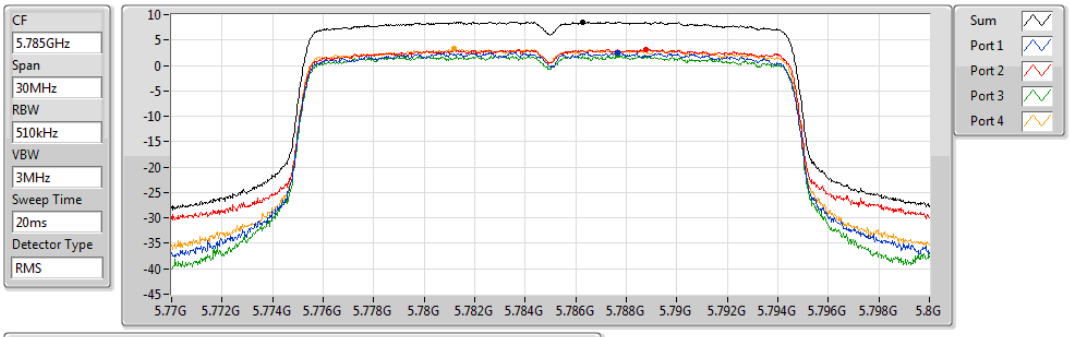
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.91	8.91	2.56	3.19	3.02	3.59

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

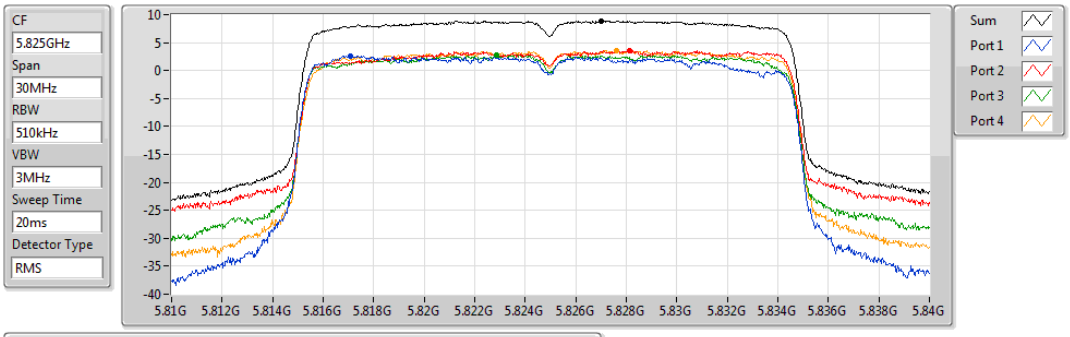
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.56	8.56	2.54	3.23	2.03	3.24

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

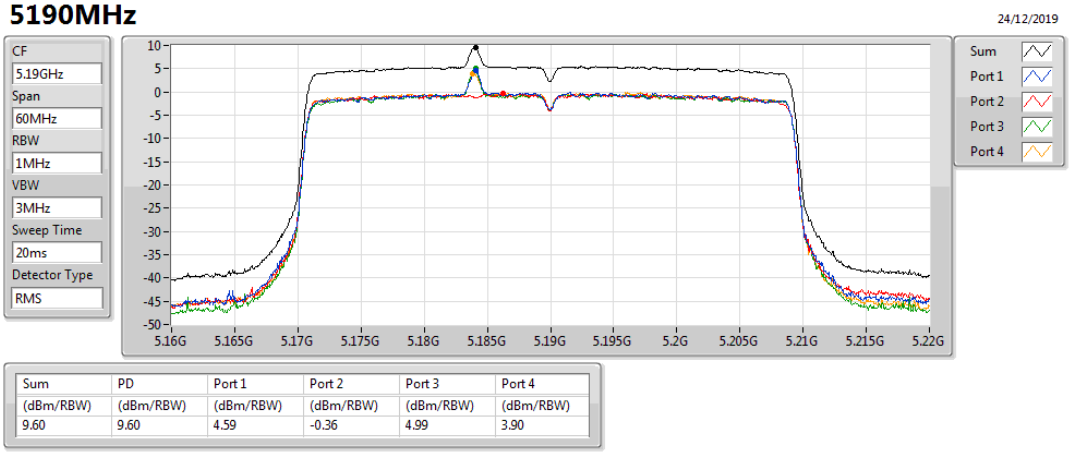
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.86	8.86	2.64	3.56	2.75	3.65

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

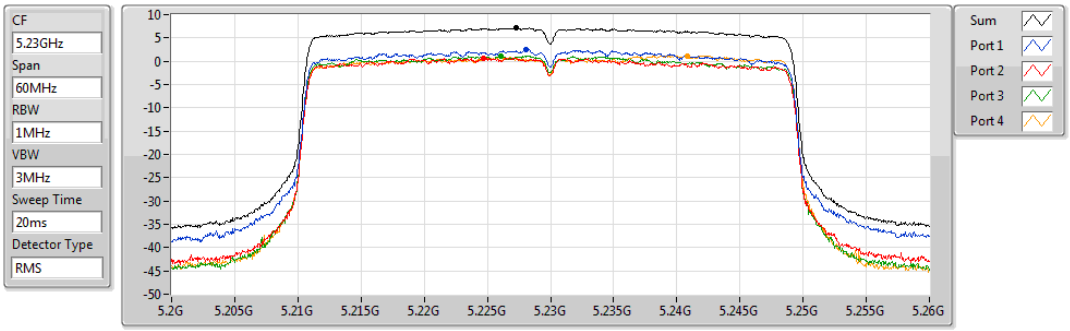
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.60	9.60	4.59	-0.36	4.99	3.90

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

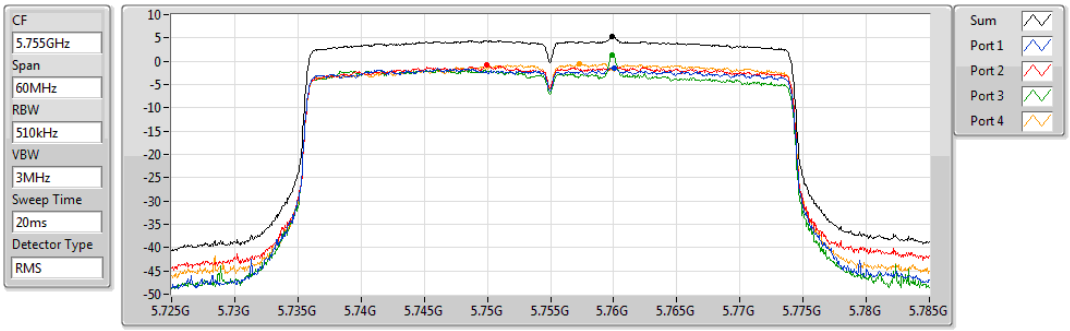
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.15	7.15	2.48	0.68	1.16	1.19

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

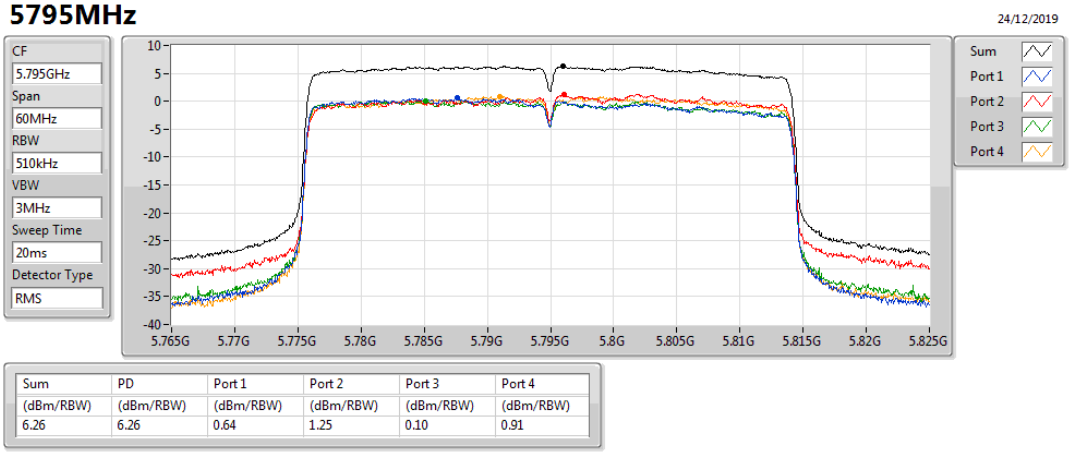
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.42	5.42	-1.45	-0.82	1.29	-0.59

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

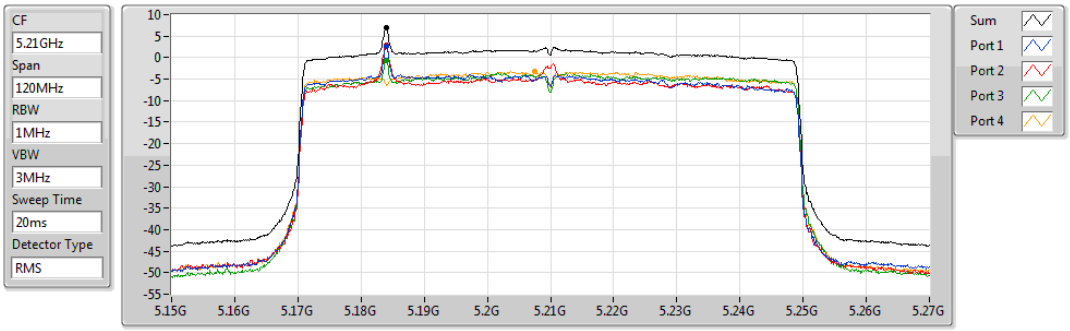
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.26	6.26	0.64	1.25	0.10	0.91

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

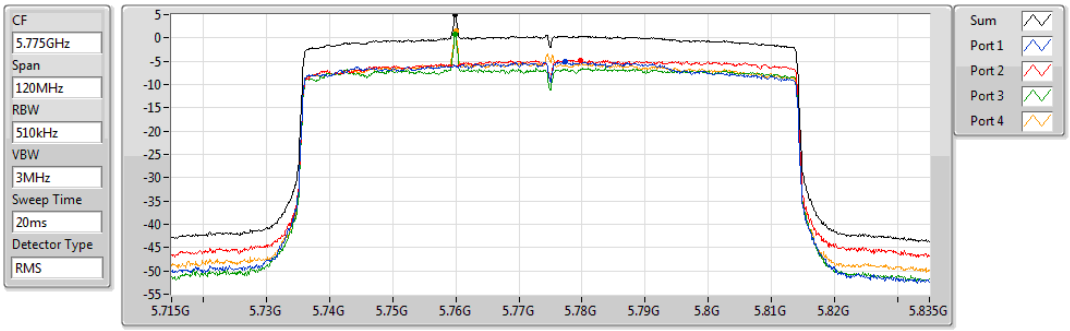
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.84	6.84	2.69	2.77	-0.54	-3.14

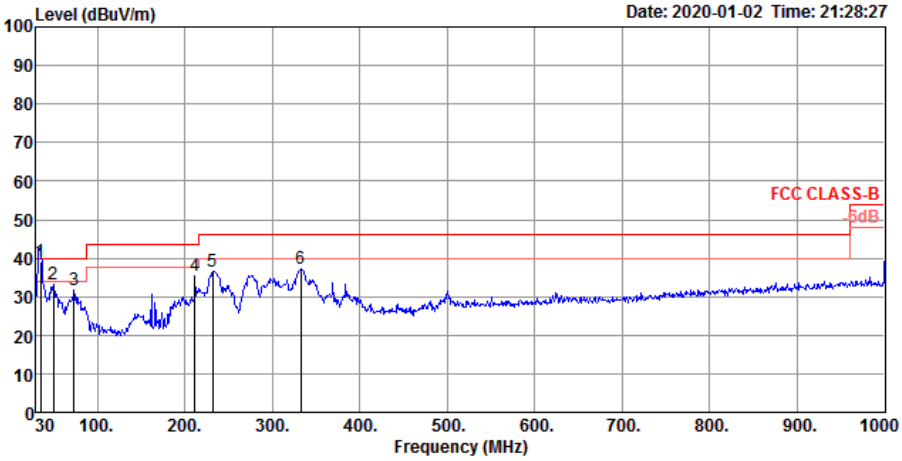
802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.92	4.92	-5.08	-4.83	0.81	1.58

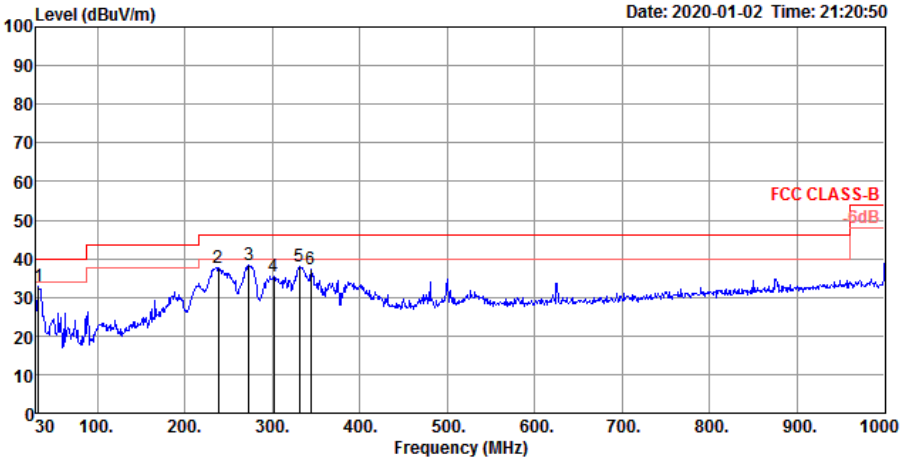
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	34.85	38.93	40.00	-1.07	46.79	0.75	22.87	31.48	100	333	QP	VERTICAL
2	49.40	33.23	40.00	-6.77	48.94	0.92	15.09	31.72	100	17	Peak	VERTICAL
3	73.65	31.59	40.00	-8.41	49.51	1.10	12.86	31.88	125	97	Peak	VERTICAL
4	211.39	35.41	43.50	-8.09	49.16	1.81	16.40	31.96	300	358	Peak	VERTICAL
5	231.76	36.63	46.00	-9.37	49.43	1.93	17.27	32.00	200	177	Peak	VERTICAL
6	332.64	37.19	46.00	-8.81	46.21	2.38	20.72	32.12	200	153	Peak	VERTICAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	32.91	32.89	40.00	-7.11	39.70	0.72	23.99	31.52	200	280	Peak	HORIZONTAL
2	238.55	37.61	46.00	-8.39	49.72	1.97	17.93	32.01	125	140	Peak	HORIZONTAL
3	273.47	38.40	46.00	-7.60	48.93	2.12	19.40	32.05	125	244	Peak	HORIZONTAL
4	301.60	35.46	46.00	-10.54	45.49	2.22	19.83	32.08	100	138	Peak	HORIZONTAL
5	330.70	37.97	46.00	-8.03	47.06	2.37	20.66	32.12	100	133	Peak	HORIZONTAL
6	344.28	37.21	46.00	-8.79	45.87	2.43	21.04	32.13	100	236	Peak	HORIZONTAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

<Non-beamforming mode>

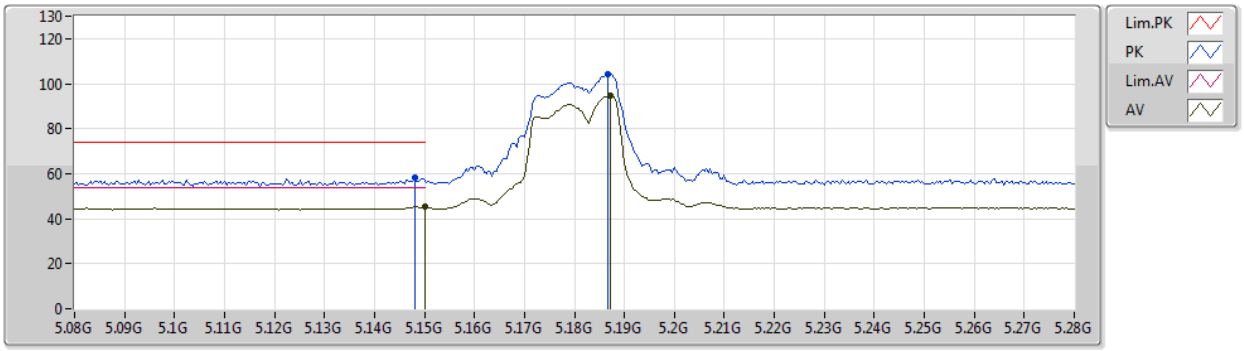
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	AV	5.131G	53.92	54.00	-0.08	4.24	3	Horizontal	60	1.63	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

24/10/2019



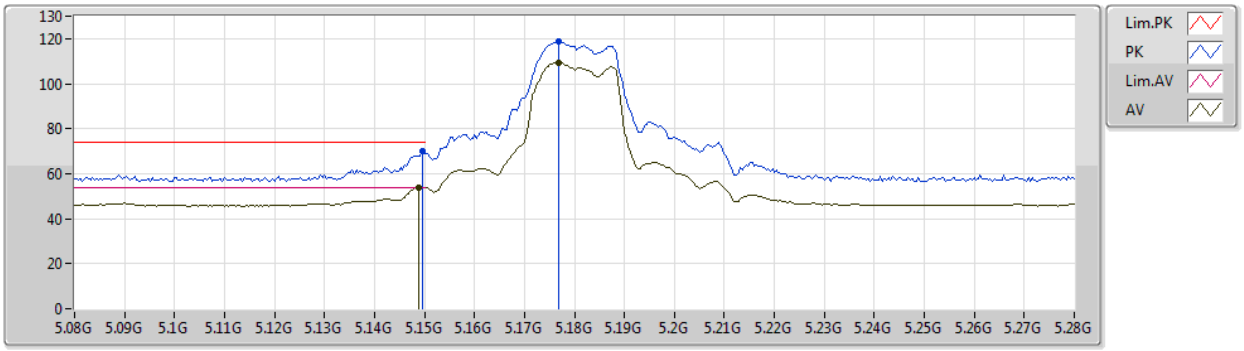
EUT X_4TX_Dipole
Setting 18
01-J-5-10
FSP(100019)

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	5.148G	58.09	74.00	-15.91	53.84	3	Vertical	143	1.48	-	33.05	5.65	34.45
AV	5.15G	45.32	54.00	-8.68	41.07	3	Vertical	143	1.48	-	33.05	5.65	34.45
PK	5.1868G	104.22	Inf	-Inf	99.95	3	Vertical	143	1.48	-	33.09	5.64	34.46
AV	5.1872G	94.84	Inf	-Inf	90.57	3	Vertical	143	1.48	-	33.09	5.64	34.46

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

24/10/2019



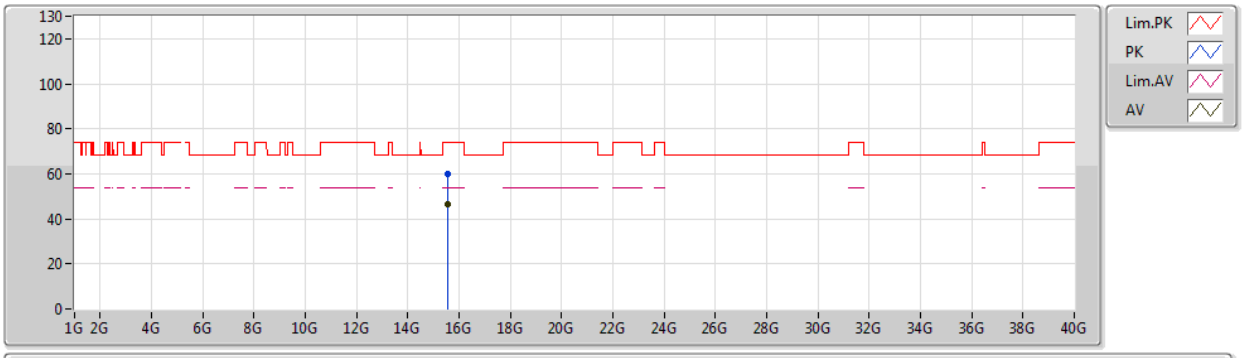
EUT X_4TX_Dipole
Setting 18
01-J-5-10
FSP(100019)

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	70.03	74.00	-3.97	65.78	3	Horizontal	58	1.83	-	33.05	5.65	34.45
AV	5.1488G	53.83	54.00	-0.17	49.58	3	Horizontal	58	1.83	-	33.05	5.65	34.45
PK	5.1768G	118.80	Inf	-Inf	114.54	3	Horizontal	58	1.83	-	33.08	5.64	34.46
AV	5.1768G	109.37	Inf	-Inf	105.11	3	Horizontal	58	1.83	-	33.08	5.64	34.46

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

24/10/2019



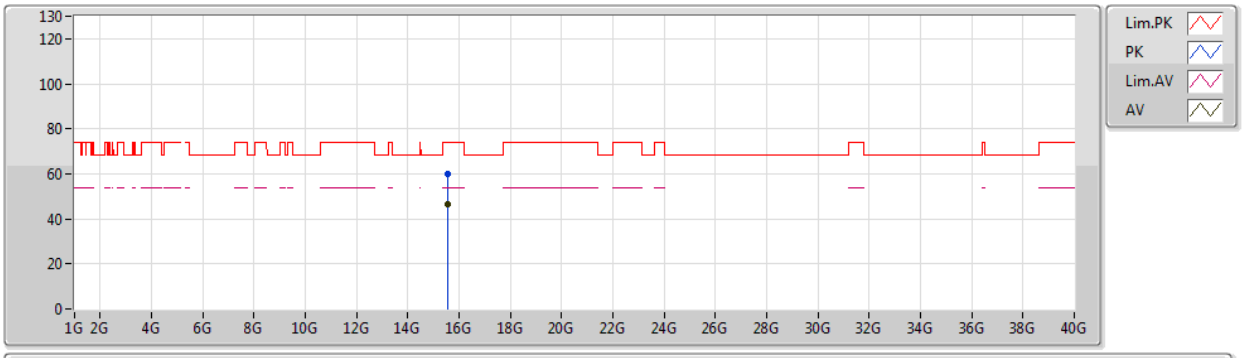
EUT X_4TX_Dipole
Setting 18
03-P-2
FSP(100019)

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	15.54494G	60.20	74.00	-13.80	45.81	3	Vertical	279	1.16	-	38.87	10.50	34.98
AV	15.53684G	46.62	54.00	-7.38	32.21	3	Vertical	279	1.16	-	38.89	10.50	34.98

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

24/10/2019



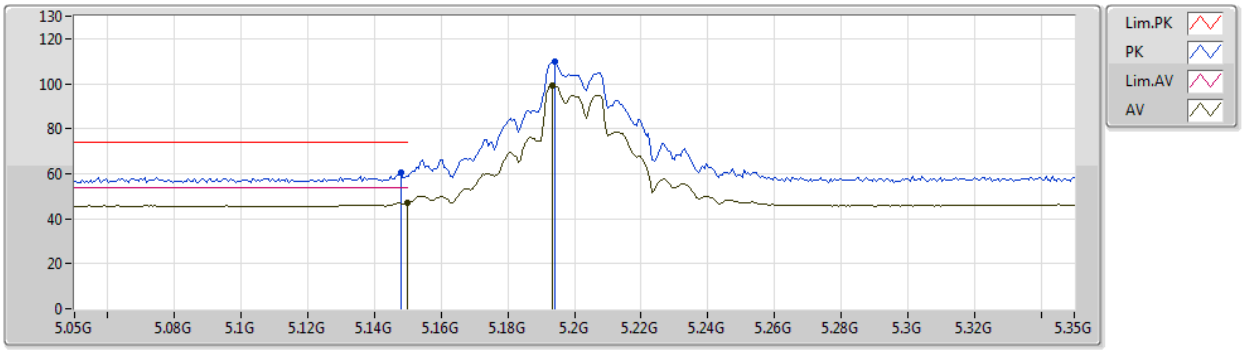
EUT X_4TX_Dipole
Setting 18
03-P-2
FSP(100019)

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	15.53744G	59.69	74.00	-14.31	45.28	3	Horizontal	139	2.20	-	38.89	10.50	34.98
AV	15.54024G	46.56	54.00	-7.44	32.16	3	Horizontal	139	2.20	-	38.88	10.50	34.98

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

24/10/2019



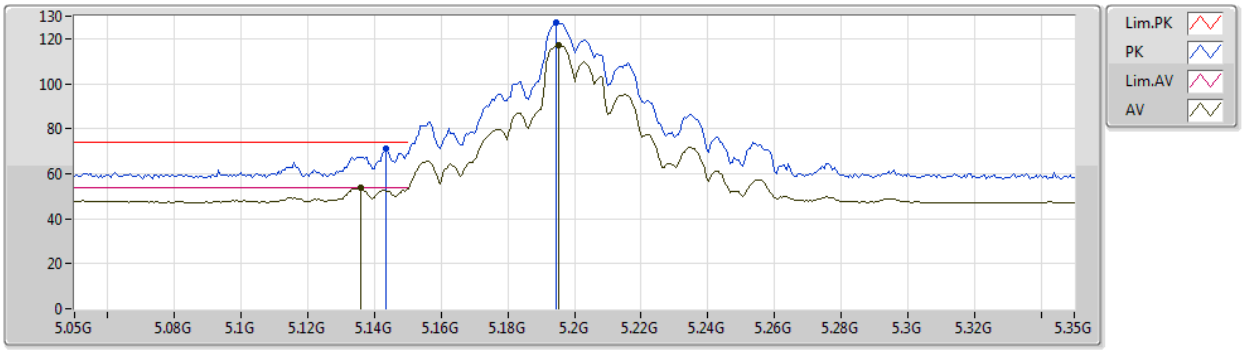
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1478G	60.26	74.00	-13.74	54.76	3	Vertical	104	1.33	-	34.05	6.42	34.97
AV	5.15G	46.90	54.00	-7.10	41.40	3	Vertical	104	1.33	-	34.05	6.42	34.97
PK	5.194G	109.77	Inf	-Inf	104.15	3	Vertical	104	1.33	-	34.09	6.51	34.98
AV	5.1934G	99.26	Inf	-Inf	93.64	3	Vertical	104	1.33	-	34.09	6.51	34.98

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

24/10/2019



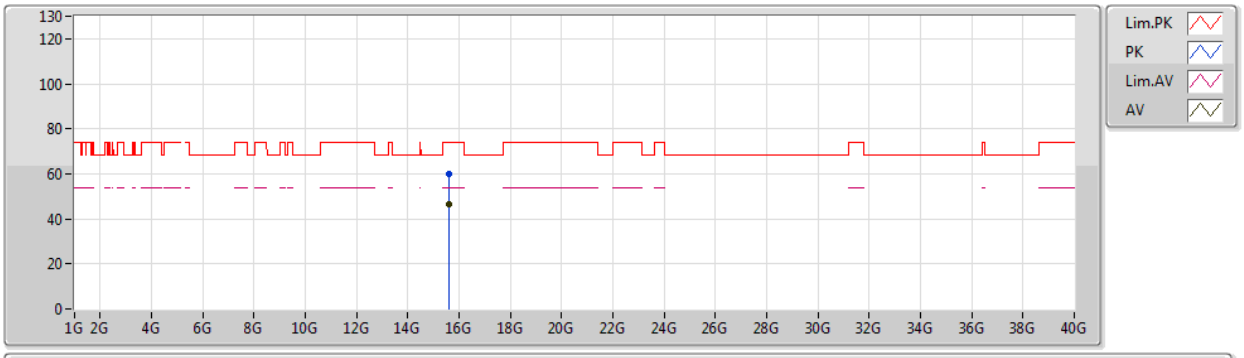
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	5.1436G	70.99	74.00	-3.01	65.51	3	Horizontal	59	1.77	-	34.04	6.41	34.97
AV	5.1358G	53.70	54.00	-0.30	48.23	3	Horizontal	59	1.77	-	34.04	6.40	34.97
PK	5.1946G	127.04	Inf	-Inf	121.42	3	Horizontal	59	1.77	-	34.09	6.51	34.98
AV	5.1952G	117.27	Inf	-Inf	111.64	3	Horizontal	59	1.77	-	34.10	6.51	34.98

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

24/10/2019



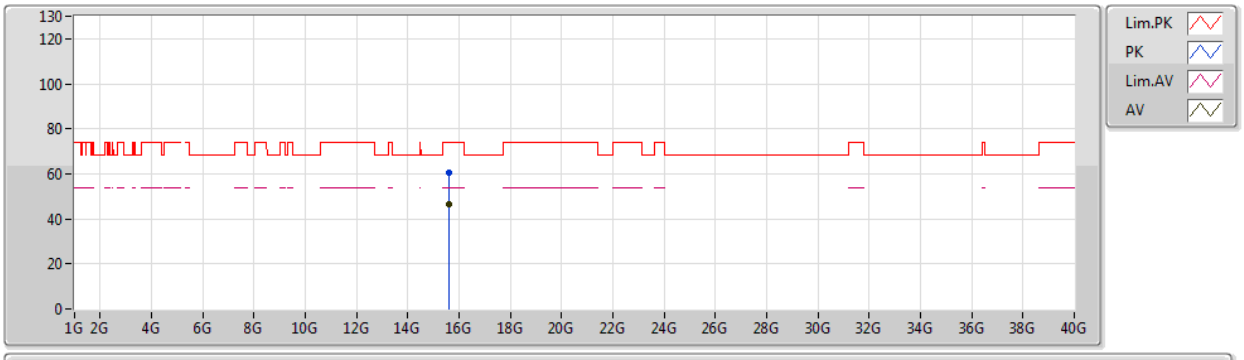
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	15.59738G	60.06	74.00	-13.94	45.87	3	Vertical	255	2.43	-	38.71	10.52	35.04
AV	15.59752G	46.53	54.00	-7.47	32.34	3	Vertical	255	2.43	-	38.71	10.52	35.04

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

24/10/2019



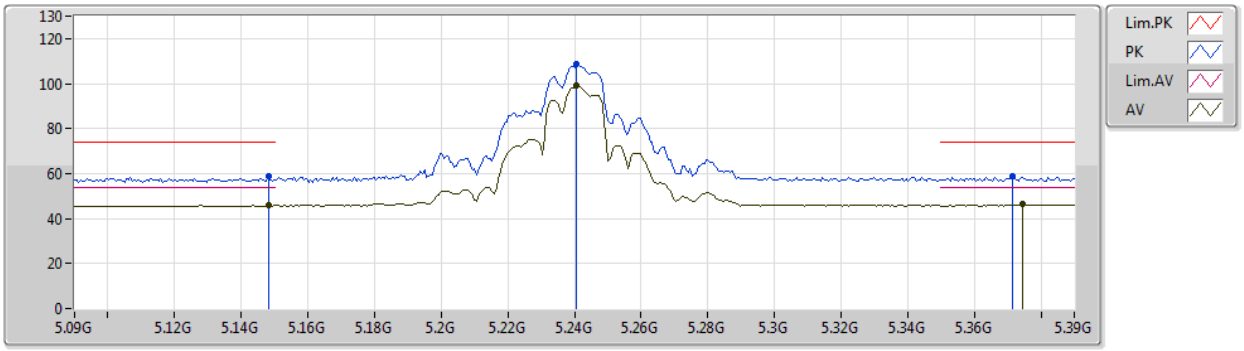
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	15.599G	60.25	74.00	-13.75	46.07	3	Horizontal	320	1.97	-	38.70	10.52	35.04
AV	15.5985G	46.53	54.00	-7.47	32.35	3	Horizontal	320	1.97	-	38.70	10.52	35.04

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

24/10/2019



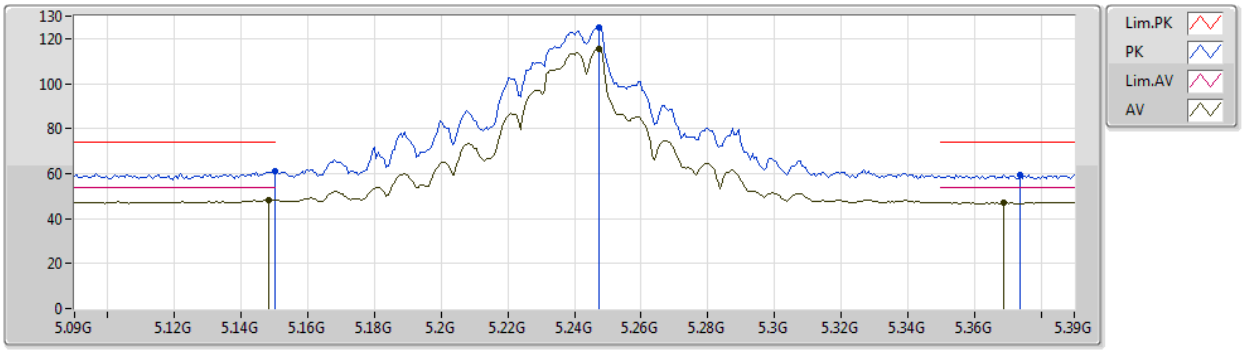
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	58.77	74.00	-15.23	53.27	3	Vertical	104	1.44	-	34.05	6.42	34.97
AV	5.1482G	45.76	54.00	-8.24	40.26	3	Vertical	104	1.44	-	34.05	6.42	34.97
PK	5.2406G	108.43	Inf	-Inf	102.73	3	Vertical	104	1.44	-	34.18	6.50	34.98
AV	5.2406G	99.01	Inf	-Inf	93.31	3	Vertical	104	1.44	-	34.18	6.50	34.98
PK	5.3714G	58.81	74.00	-15.19	52.99	3	Vertical	104	1.44	-	34.37	6.44	34.99
AV	5.3744G	46.30	54.00	-7.70	40.48	3	Vertical	104	1.44	-	34.37	6.44	34.99

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

24/10/2019



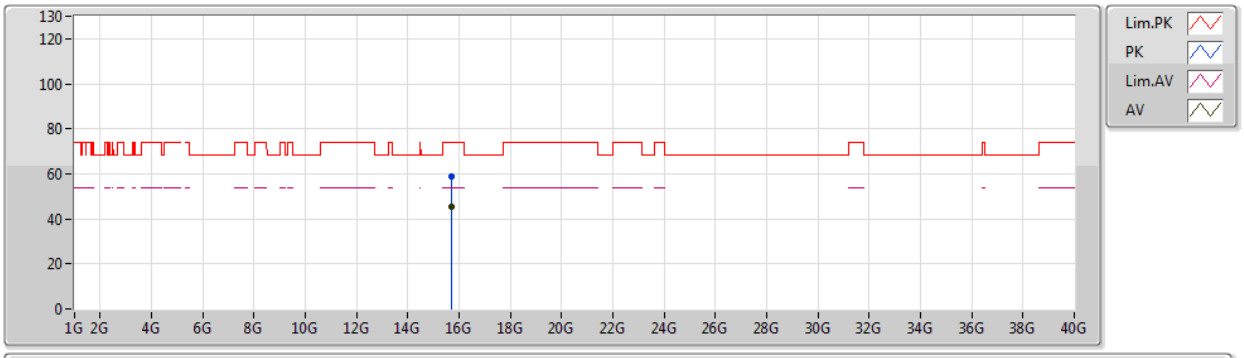
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	60.98	74.00	-13.02	55.48	3	Horizontal	60	1.48	-	34.05	6.42	34.97
AV	5.1482G	48.22	54.00	-5.78	42.72	3	Horizontal	60	1.48	-	34.05	6.42	34.97
PK	5.2472G	124.95	Inf	-Inf	119.24	3	Horizontal	60	1.48	-	34.19	6.50	34.98
AV	5.2472G	115.38	Inf	-Inf	109.67	3	Horizontal	60	1.48	-	34.19	6.50	34.98
PK	5.3738G	59.53	74.00	-14.47	53.71	3	Horizontal	60	1.48	-	34.37	6.44	34.99
AV	5.369G	47.23	54.00	-6.77	41.41	3	Horizontal	60	1.48	-	34.37	6.44	34.99

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

24/10/2019



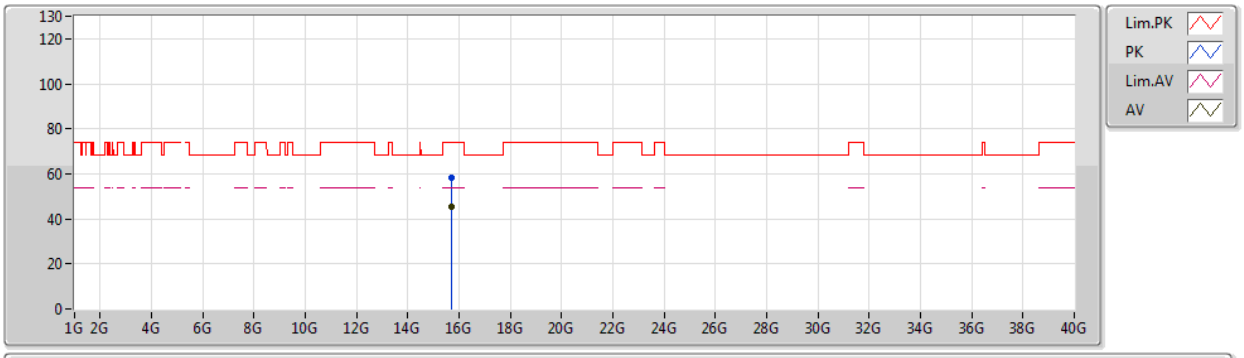
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	15.7212G	59.04	74.00	-14.96	45.29	3	Vertical	197	2.10	-	38.34	10.57	35.16
AV	15.71788G	45.29	54.00	-8.71	31.53	3	Vertical	197	2.10	-	38.35	10.57	35.16

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

24/10/2019



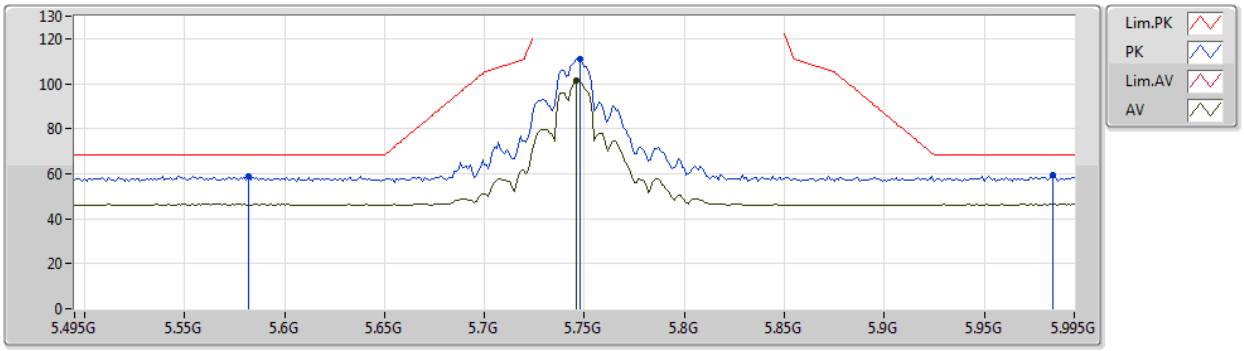
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	15.72262G	58.51	74.00	-15.49	44.77	3	Horizontal	210	1.85	-	38.33	10.57	35.16
AV	15.71924G	45.30	54.00	-8.70	31.55	3	Horizontal	210	1.85	-	38.34	10.57	35.16

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

24/10/2019



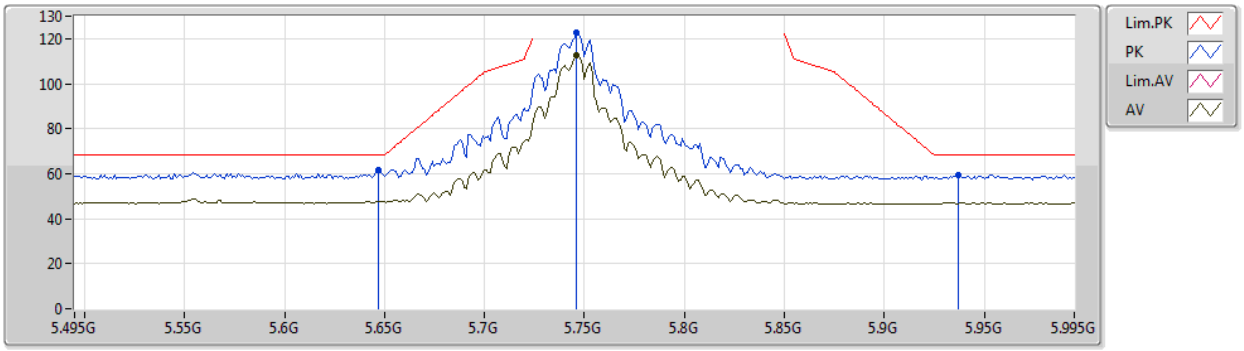
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	5.582G	59.00	68.20	-9.20	52.84	3	Vertical	69	1.42	-	34.42	6.74	35.00
PK	5.748G	110.92	Inf	-Inf	105.06	3	Vertical	69	1.42	-	34.30	6.58	35.02
AV	5.746G	101.68	Inf	-Inf	95.82	3	Vertical	69	1.42	-	34.30	6.58	35.02
PK	5.984G	59.15	68.20	-9.05	52.79	3	Vertical	69	1.42	-	34.75	6.66	35.05

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

24/10/2019



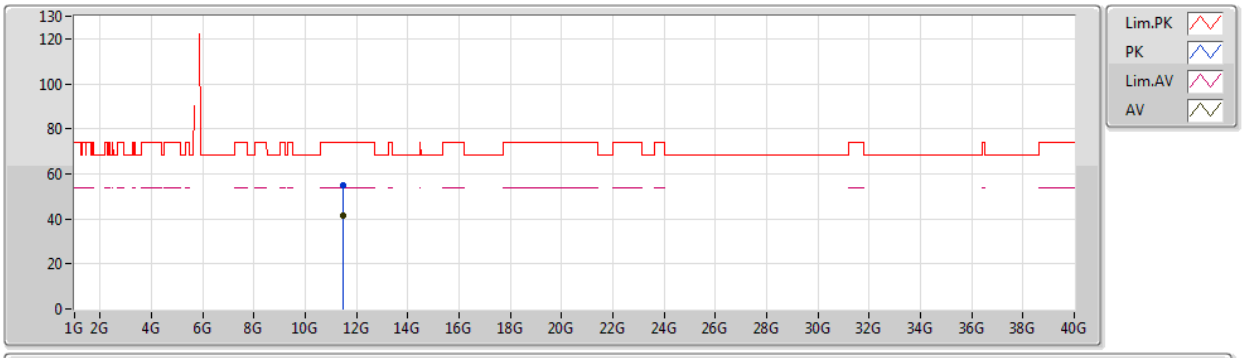
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	61.65	68.20	-6.55	55.59	3	Horizontal	278	1.49	-	34.35	6.71	35.00
PK	5.746G	122.94	Inf	-Inf	117.08	3	Horizontal	278	1.49	-	34.30	6.58	35.02
AV	5.746G	112.59	Inf	-Inf	106.73	3	Horizontal	278	1.49	-	34.30	6.58	35.02
PK	5.937G	59.63	68.20	-8.57	53.44	3	Horizontal	278	1.49	-	34.61	6.62	35.04

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

24/10/2019



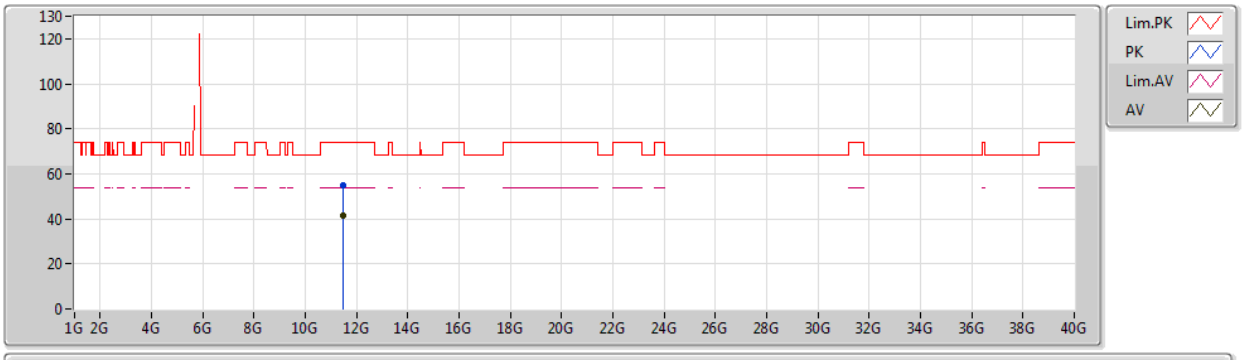
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.49052G	54.98	74.00	-19.02	41.98	3	Vertical	72	1.32	-	38.84	8.94	34.78
AV	11.48756G	41.25	54.00	-12.75	28.25	3	Vertical	72	1.32	-	38.84	8.94	34.78

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

24/10/2019



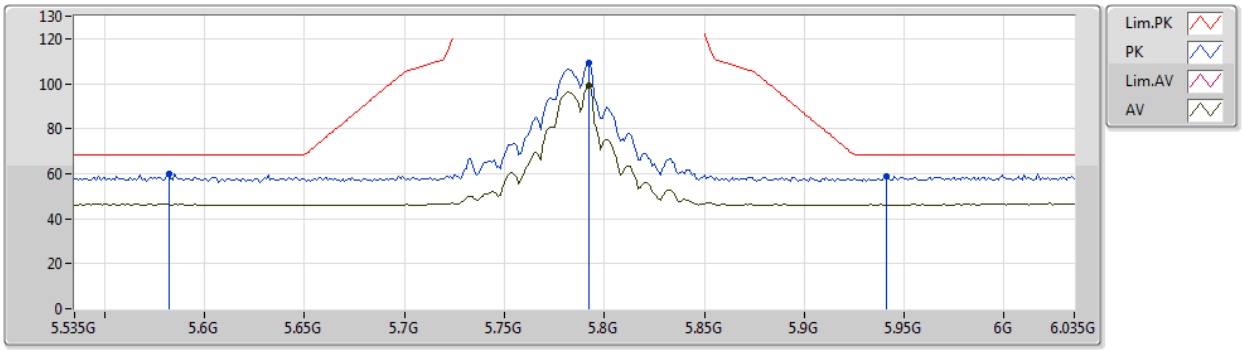
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.49396G	54.93	74.00	-19.07	41.92	3	Horizontal	158	1.48	-	38.85	8.94	34.78
AV	11.48986G	41.57	54.00	-12.43	28.57	3	Horizontal	158	1.48	-	38.84	8.94	34.78

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

24/10/2019



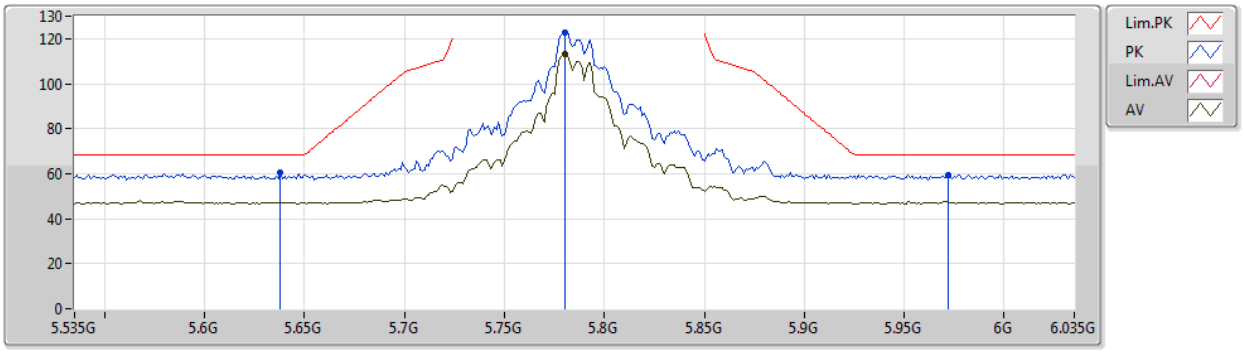
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	5.582G	59.72	68.20	-8.48	53.56	3	Vertical	63	1.50	-	34.42	6.74	35.00
PK	5.792G	109.29	Inf	-Inf	103.50	3	Vertical	63	1.50	-	34.30	6.52	35.03
AV	5.792G	99.25	Inf	-Inf	93.46	3	Vertical	63	1.50	-	34.30	6.52	35.03
PK	5.941G	58.93	68.20	-9.27	52.73	3	Vertical	63	1.50	-	34.62	6.62	35.04

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

24/10/2019



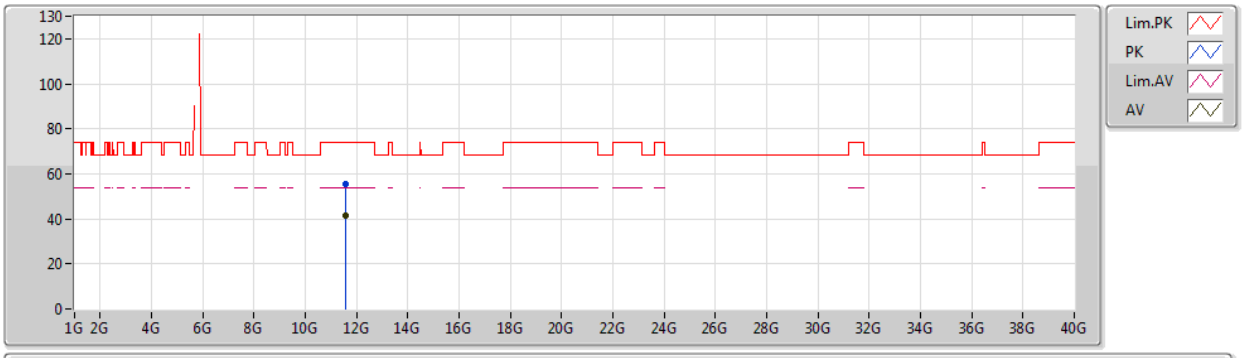
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	60.36	68.20	-7.84	54.28	3	Horizontal	59	1.55	-	34.36	6.72	35.00
PK	5.78G	122.80	Inf	-Inf	116.99	3	Horizontal	59	1.55	-	34.30	6.54	35.03
AV	5.78G	113.14	Inf	-Inf	107.33	3	Horizontal	59	1.55	-	34.30	6.54	35.03
PK	5.972G	59.57	68.20	-8.63	53.25	3	Horizontal	59	1.55	-	34.72	6.65	35.05

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

24/10/2019



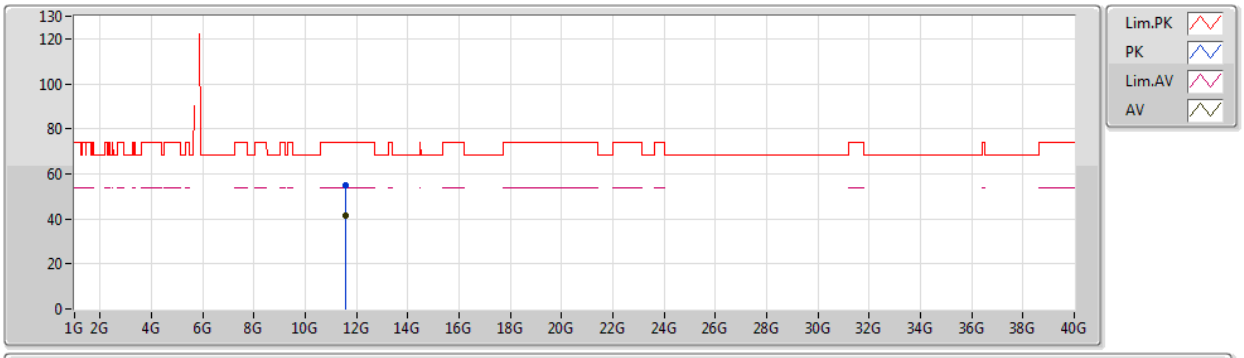
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.57484G	55.23	74.00	-18.77	42.19	3	Vertical	191	2.04	-	38.90	8.93	34.79
AV	11.57304G	41.63	54.00	-12.37	28.59	3	Vertical	191	2.04	-	38.90	8.93	34.79

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

24/10/2019



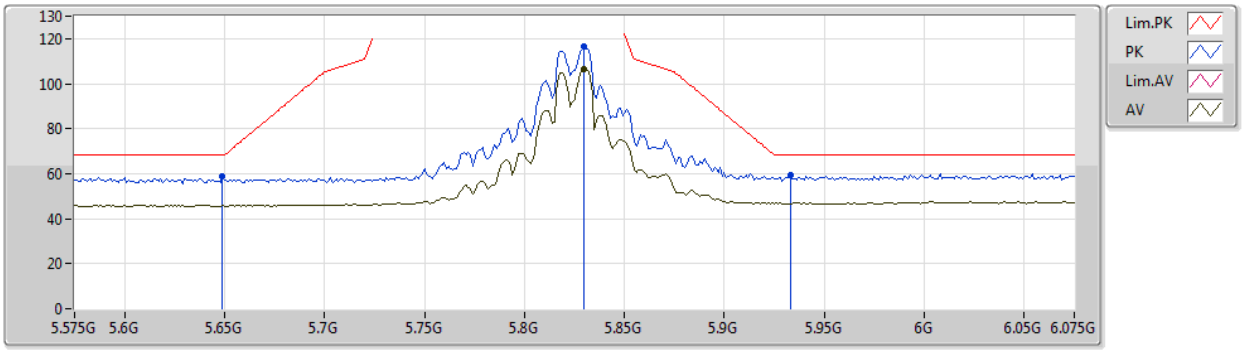
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.56778G	55.08	74.00	-18.92	42.04	3	Horizontal	259	1.29	-	38.90	8.93	34.79
AV	11.56576G	41.58	54.00	-12.42	28.54	3	Horizontal	259	1.29	-	38.90	8.93	34.79

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

24/10/2019



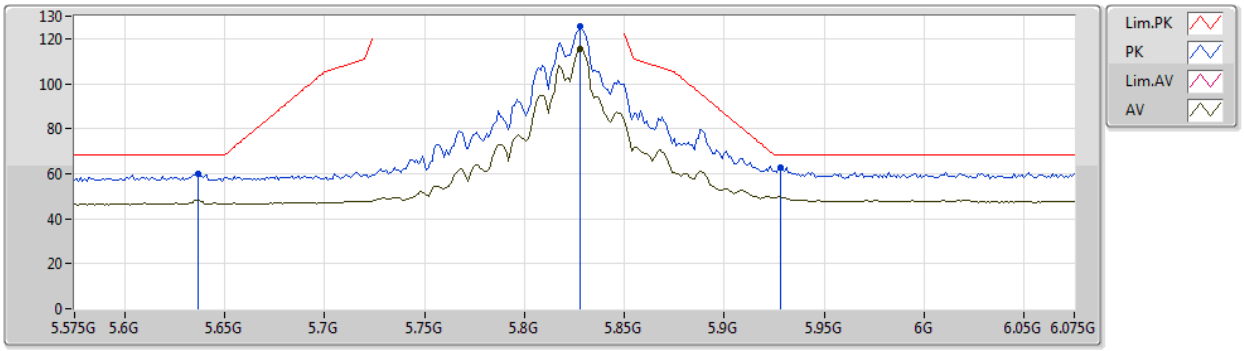
EUT X_4TX_Dipole
Setting 23
01-J-5-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.649G	59.01	68.20	-9.19	53.32	3	Vertical	188	2.99	-	34.25	5.95	34.51
PK	5.83G	116.30	Inf	-Inf	110.12	3	Vertical	188	2.99	-	34.68	6.06	34.56
AV	5.83G	106.58	Inf	-Inf	100.40	3	Vertical	188	2.99	-	34.68	6.06	34.56
PK	5.933G	59.38	68.20	-8.82	52.53	3	Vertical	188	2.99	-	35.20	6.24	34.59

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

24/10/2019



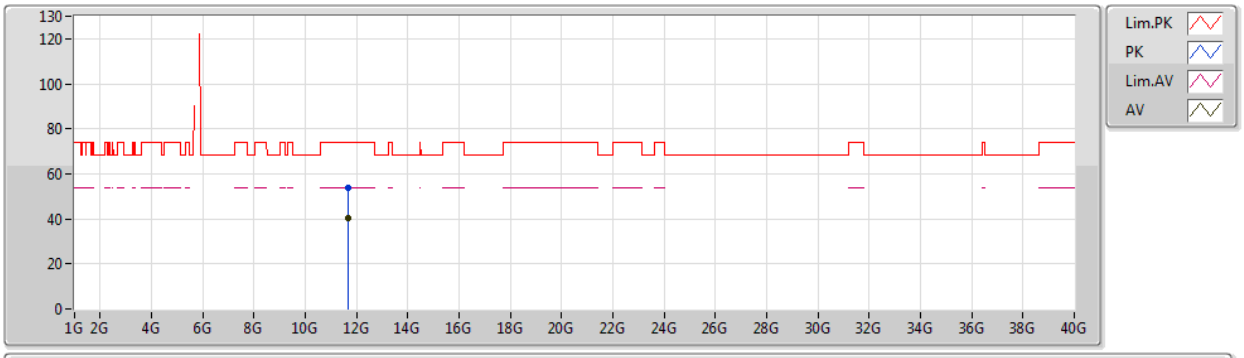
EUT X_4TX_Dipole
Setting 23
01-J-5-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.637G	60.14	68.20	-8.06	54.46	3	Horizontal	57	2.46	-	34.24	5.95	34.51
PK	5.828G	125.37	Inf	-Inf	119.20	3	Horizontal	57	2.46	-	34.67	6.06	34.56
AV	5.828G	115.49	Inf	-Inf	109.32	3	Horizontal	57	2.46	-	34.67	6.06	34.56
PK	5.928G	62.73	68.20	-5.47	55.91	3	Horizontal	57	2.46	-	35.18	6.23	34.59

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

24/10/2019



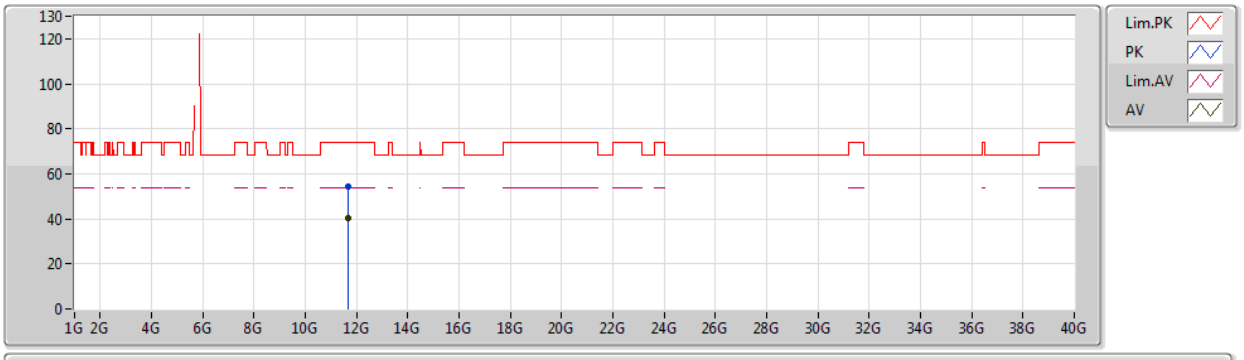
EUT X_4TX_Dipole
Setting 23
01-J-5
FSP(100019)

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	11.64876G	53.73	74.00	-20.27	41.74	3	Vertical	292	1.67	-	38.43	8.39	34.83
AV	11.6484G	40.18	54.00	-13.82	28.19	3	Vertical	292	1.67	-	38.43	8.39	34.83

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

24/10/2019



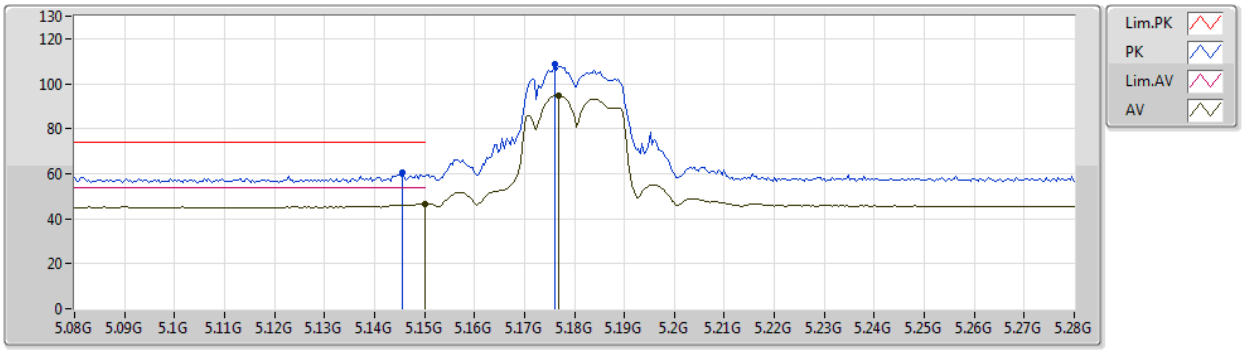
EUT X_4TX_Dipole
Setting 23
01-J-5
FSP(100019)

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	11.64796G	54.24	74.00	-19.76	42.25	3	Horizontal	301	1.61	-	38.43	8.39	34.83
AV	11.64802G	40.31	54.00	-13.69	28.32	3	Horizontal	301	1.61	-	38.43	8.39	34.83

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

24/10/2019



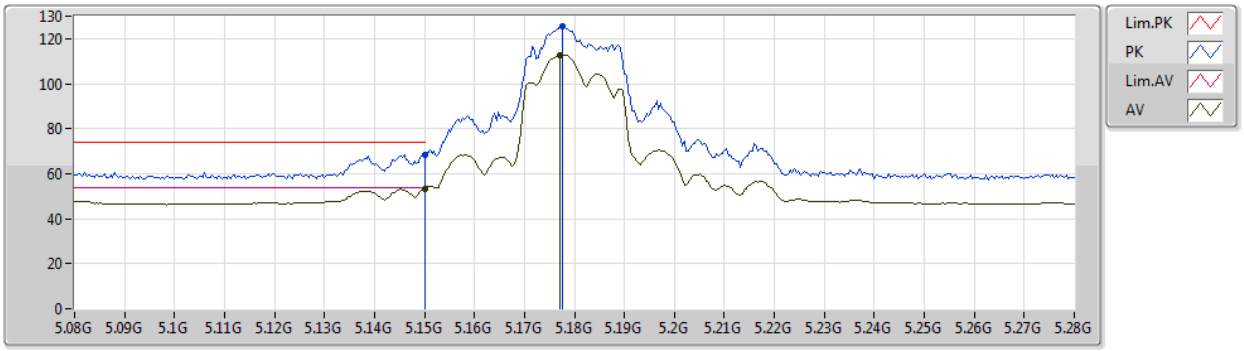
EUT X_4TX_Dipole
Setting 18.5
03-P-2-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1456G	60.39	74.00	-13.61	54.89	3	Vertical	106	1.33	-	34.05	6.42	34.97
AV	5.15G	46.67	54.00	-7.33	41.17	3	Vertical	106	1.33	-	34.05	6.42	34.97
PK	5.176G	108.51	Inf	-Inf	102.94	3	Vertical	106	1.33	-	34.08	6.47	34.98
AV	5.1768G	94.69	Inf	-Inf	89.11	3	Vertical	106	1.33	-	34.08	6.48	34.98

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

24/10/2019



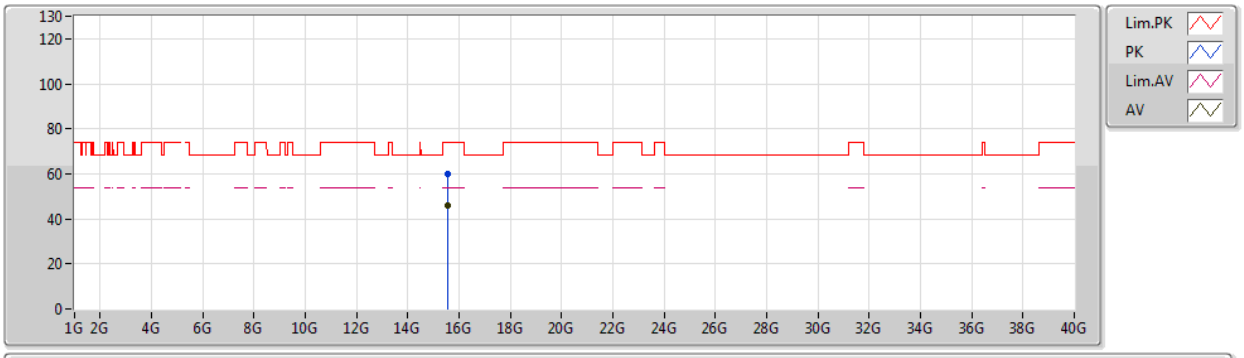
EUT X_4TX_Dipole
Setting 18.5
03-P-2-10
FSP(100019)

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	68.22	74.00	-5.78	62.72	3	Horizontal	58	1.50	-	34.05	6.42	34.97
AV	5.15G	53.45	54.00	-0.55	47.95	3	Horizontal	58	1.50	-	34.05	6.42	34.97
PK	5.1776G	125.65	Inf	-Inf	120.07	3	Horizontal	58	1.50	-	34.08	6.48	34.98
AV	5.1772G	112.68	Inf	-Inf	107.10	3	Horizontal	58	1.50	-	34.08	6.48	34.98

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

24/10/2019



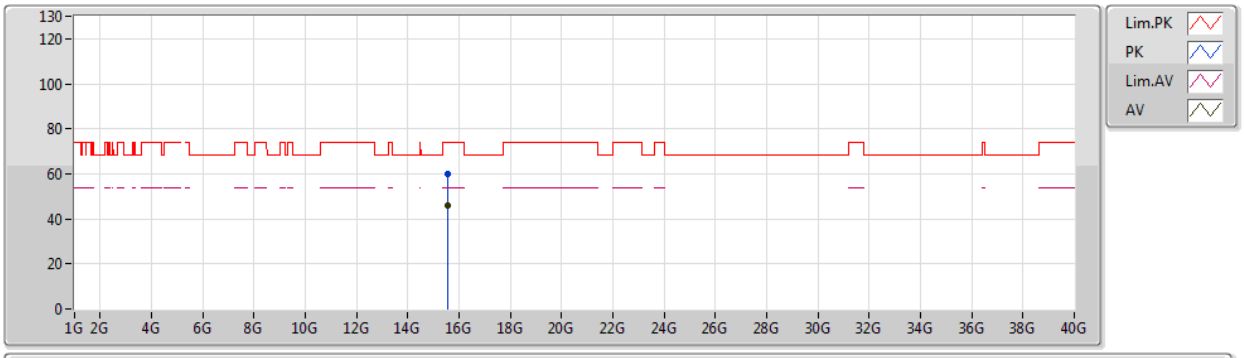
EUT X_4TX_Dipole
Setting 18.5
03-P-2
FSP(100019)

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	15.54088G	59.90	74.00	-14.10	45.50	3	Vertical	277	1.28	-	38.88	10.50	34.98
AV	15.53566G	45.94	54.00	-8.06	31.53	3	Vertical	277	1.28	-	38.89	10.50	34.98

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

24/10/2019



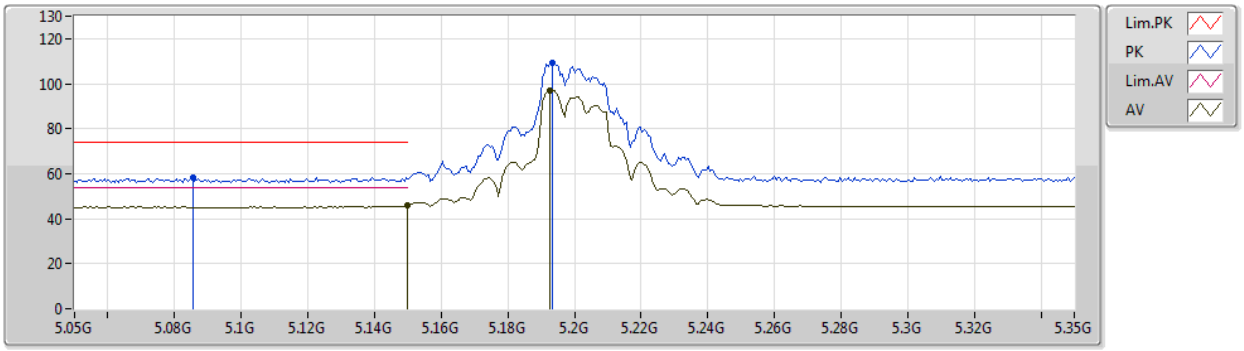
EUT X_4TX_Dipole
Setting 18.5
03-P-2
FSP(100019)

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	15.53858G	60.12	74.00	-13.88	45.72	3	Horizontal	101	1.87	-	38.88	10.50	34.98
AV	15.54336G	45.95	54.00	-8.05	31.56	3	Horizontal	101	1.87	-	38.87	10.50	34.98

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

24/10/2019



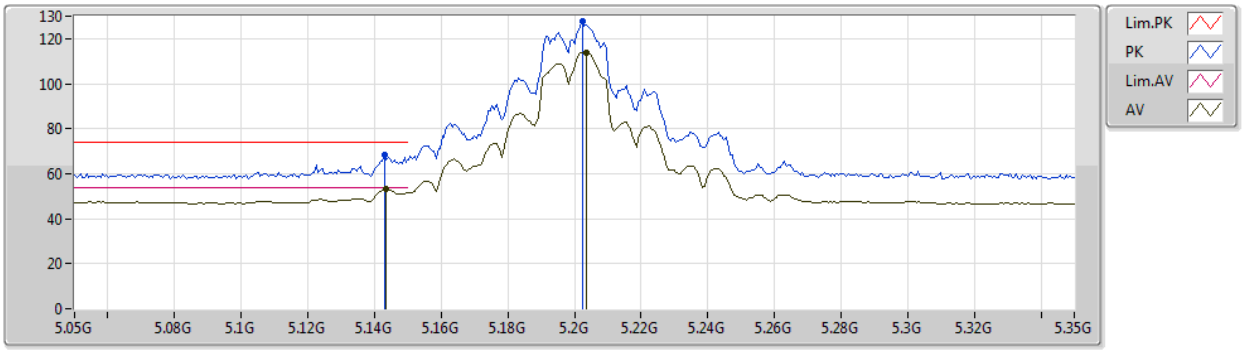
EUT X_4TX_Dipole
Setting 21.5
03-P-2-10
FSP(100019)

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	5.0854G	58.20	74.00	-15.80	52.88	3	Vertical	101	1.02	-	33.99	6.30	34.97
AV	5.15G	45.82	54.00	-8.18	40.32	3	Vertical	101	1.02	-	34.05	6.42	34.97
PK	5.1934G	109.47	Inf	-Inf	103.85	3	Vertical	101	1.02	-	34.09	6.51	34.98
AV	5.1928G	97.06	Inf	-Inf	91.44	3	Vertical	101	1.02	-	34.09	6.51	34.98

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

24/10/2019



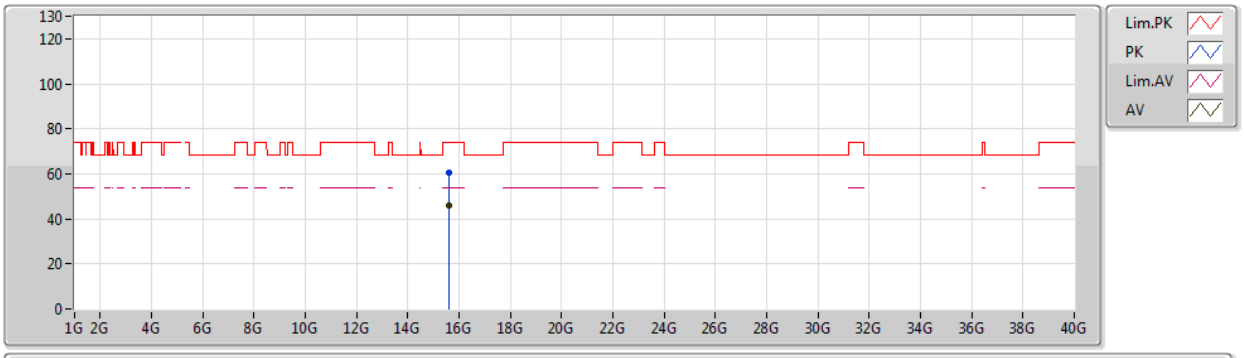
EUT X_4TX_Dipole
Setting 21.5
03-P-2-10
FSP(100019)

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	5.143G	68.12	74.00	-5.88	62.64	3	Horizontal	60	1.90	-	34.04	6.41	34.97
AV	5.1436G	53.16	54.00	-0.84	47.68	3	Horizontal	60	1.90	-	34.04	6.41	34.97
PK	5.2024G	127.48	Inf	-Inf	121.84	3	Horizontal	60	1.90	-	34.10	6.52	34.98
AV	5.2036G	113.98	Inf	-Inf	108.33	3	Horizontal	60	1.90	-	34.11	6.52	34.98

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

24/10/2019



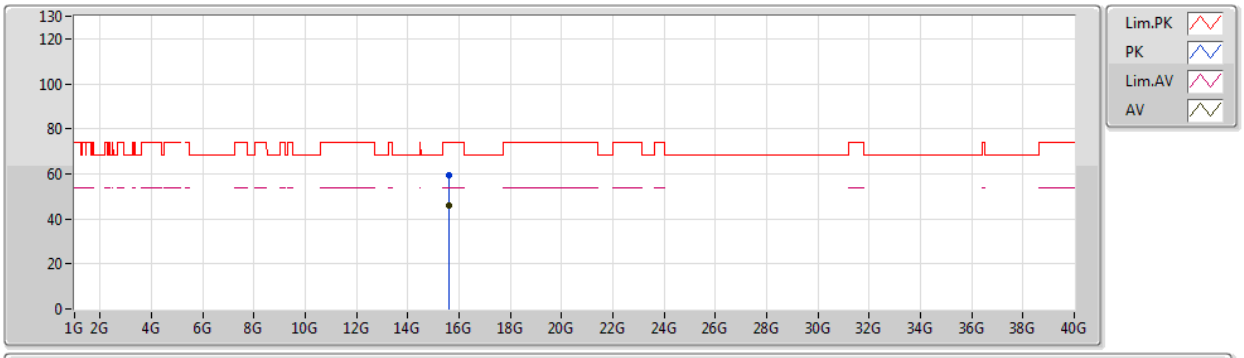
EUT X_4TX_Dipole
Setting 21.5
03-P-2
FSP(100019)

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	15.59974G	60.62	74.00	-13.38	46.44	3	Vertical	237	1.51	-	38.70	10.52	35.04
AV	15.59896G	45.99	54.00	-8.01	31.81	3	Vertical	237	1.51	-	38.70	10.52	35.04

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

24/10/2019



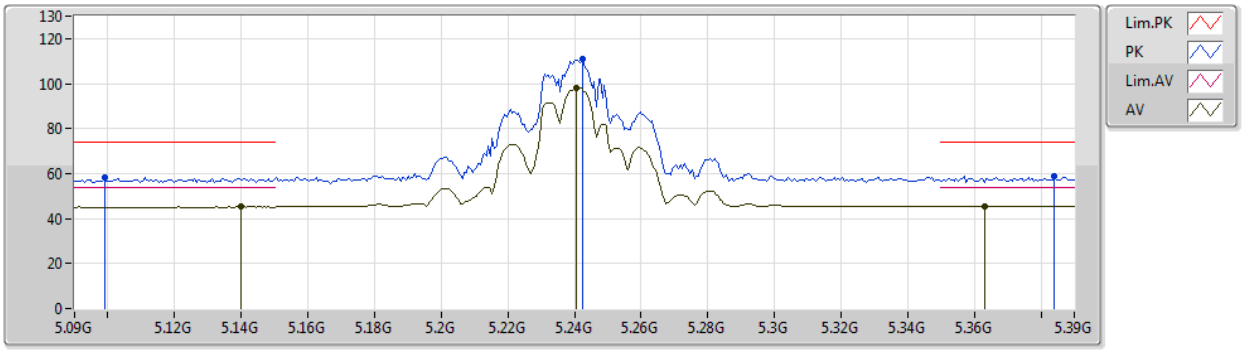
EUT X_4TX_Dipole
Setting 21.5
03-P-2
FSP(100019)

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	15.60446G	59.66	74.00	-14.34	45.48	3	Horizontal	119	1.75	-	38.69	10.53	35.04
AV	15.60136G	46.03	54.00	-7.97	31.85	3	Horizontal	119	1.75	-	38.70	10.52	35.04

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

24/10/2019



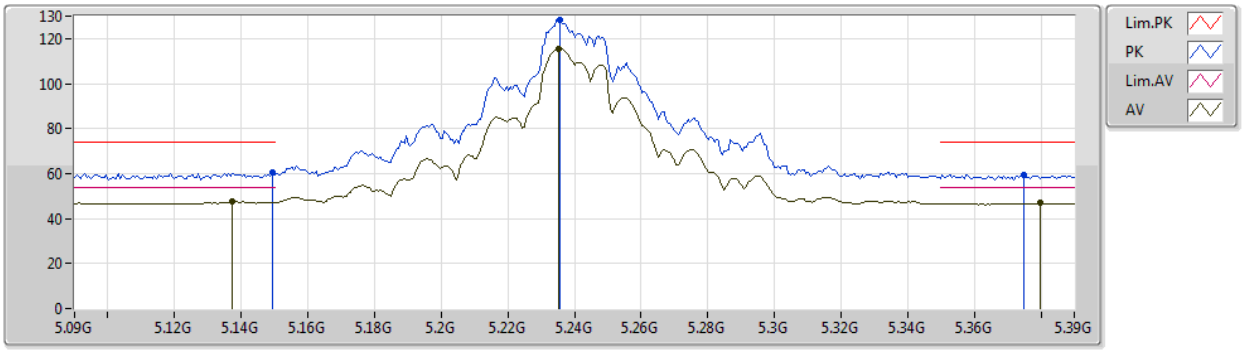
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	5.099G	58.39	74.00	-15.61	53.03	3	Vertical	116	1.53	-	34.00	6.33	34.97
AV	5.1398G	45.28	54.00	-8.72	39.80	3	Vertical	116	1.53	-	34.04	6.41	34.97
PK	5.2424G	110.80	Inf	-Inf	105.10	3	Vertical	116	1.53	-	34.18	6.50	34.98
AV	5.2406G	98.21	Inf	-Inf	92.51	3	Vertical	116	1.53	-	34.18	6.50	34.98
PK	5.384G	58.87	74.00	-15.13	53.04	3	Vertical	116	1.53	-	34.38	6.44	34.99
AV	5.363G	45.65	54.00	-8.35	39.84	3	Vertical	116	1.53	-	34.36	6.44	34.99

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

24/10/2019



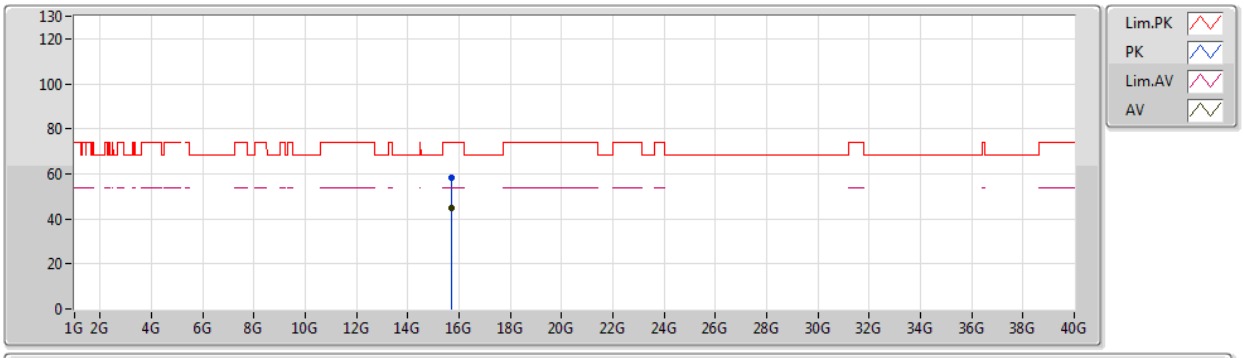
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	60.32	74.00	-13.68	54.82	3	Horizontal	60	1.75	-	34.05	6.42	34.97
AV	5.1374G	47.54	54.00	-6.46	42.07	3	Horizontal	60	1.75	-	34.04	6.40	34.97
PK	5.2358G	128.55	Inf	-Inf	122.86	3	Horizontal	60	1.75	-	34.17	6.50	34.98
AV	5.2352G	115.51	Inf	-Inf	109.82	3	Horizontal	60	1.75	-	34.17	6.50	34.98
PK	5.375G	59.66	74.00	-14.34	53.84	3	Horizontal	60	1.75	-	34.37	6.44	34.99
AV	5.3798G	46.83	54.00	-7.17	41.00	3	Horizontal	60	1.75	-	34.38	6.44	34.99

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

24/10/2019



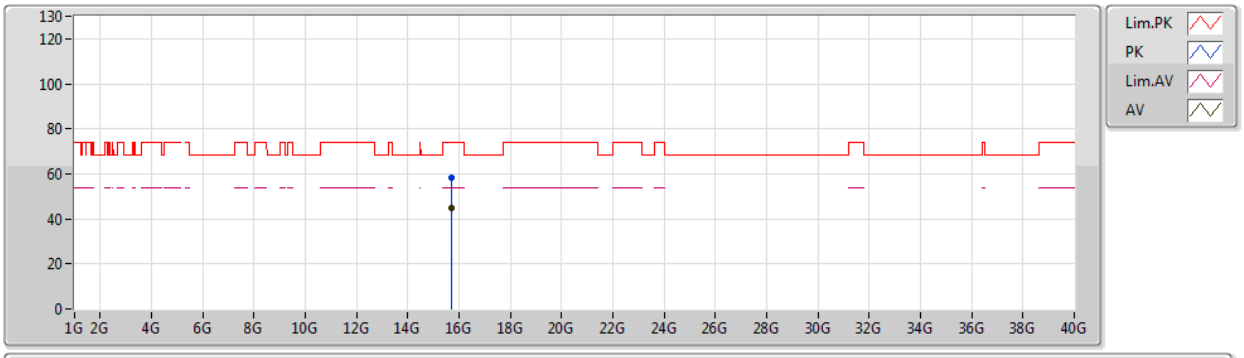
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	15.72152G	58.29	74.00	-15.71	44.54	3	Vertical	358	1.21	-	38.34	10.57	35.16
AV	15.71936G	44.56	54.00	-9.44	30.81	3	Vertical	358	1.21	-	38.34	10.57	35.16

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

24/10/2019



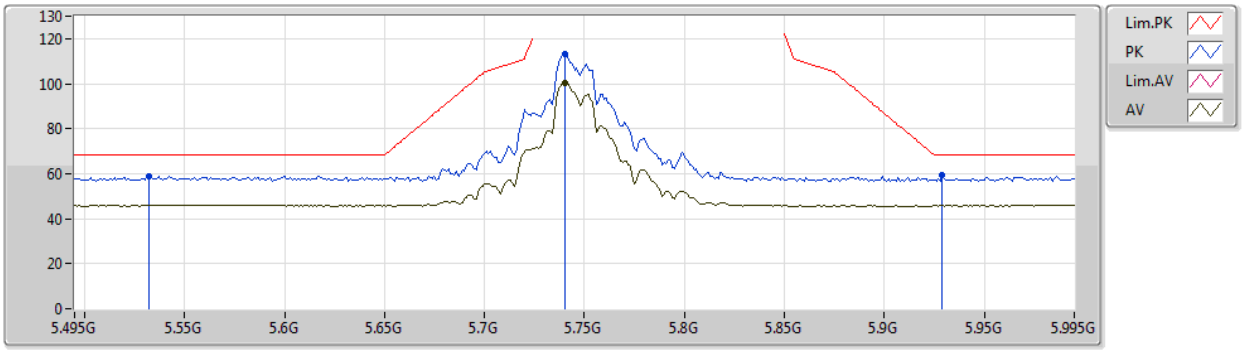
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	15.72414G	58.49	74.00	-15.51	44.75	3	Horizontal	218	2.47	-	38.33	10.57	35.16
AV	15.71884G	44.59	54.00	-9.41	30.84	3	Horizontal	218	2.47	-	38.34	10.57	35.16

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

24/10/2019



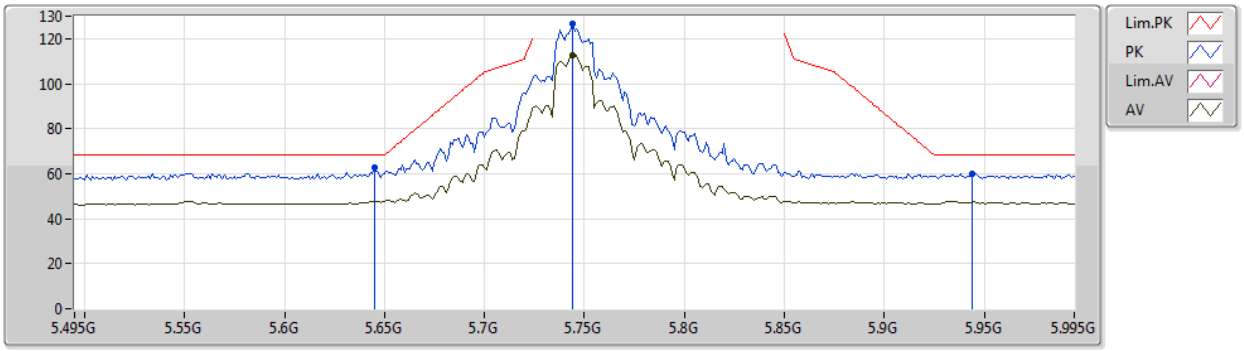
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	5.532G	59.04	68.20	-9.16	52.90	3	Vertical	67	1.41	-	34.47	6.66	34.99
PK	5.74G	113.46	Inf	-Inf	107.59	3	Vertical	67	1.41	-	34.30	6.59	35.02
AV	5.74G	100.58	Inf	-Inf	94.71	3	Vertical	67	1.41	-	34.30	6.59	35.02
PK	5.929G	59.53	68.20	-8.67	53.37	3	Vertical	67	1.41	-	34.59	6.61	35.04

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

24/10/2019



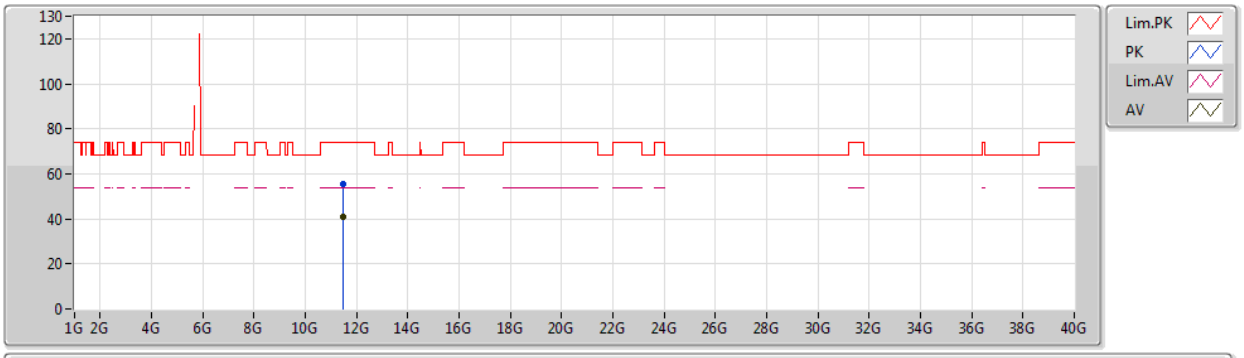
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	62.67	68.20	-5.53	56.61	3	Horizontal	58	2.40	-	34.35	6.71	35.00
PK	5.744G	126.57	Inf	-Inf	120.71	3	Horizontal	58	2.40	-	34.30	6.58	35.02
AV	5.744G	112.85	Inf	-Inf	106.99	3	Horizontal	58	2.40	-	34.30	6.58	35.02
PK	5.944G	60.23	68.20	-7.97	54.01	3	Horizontal	58	2.40	-	34.63	6.63	35.04

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

24/10/2019



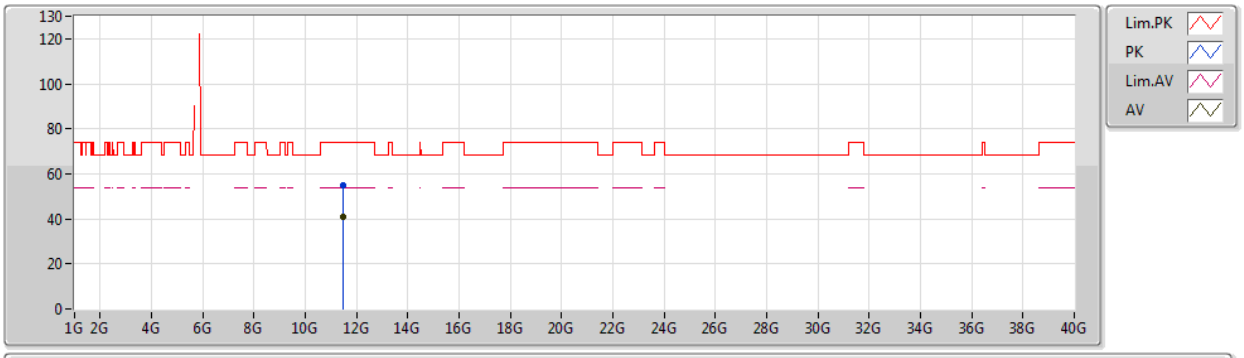
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.495G	55.45	74.00	-18.55	42.44	3	Vertical	48	2.26	-	38.85	8.94	34.78
AV	11.48944G	40.81	54.00	-13.19	27.81	3	Vertical	48	2.26	-	38.84	8.94	34.78

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

24/10/2019



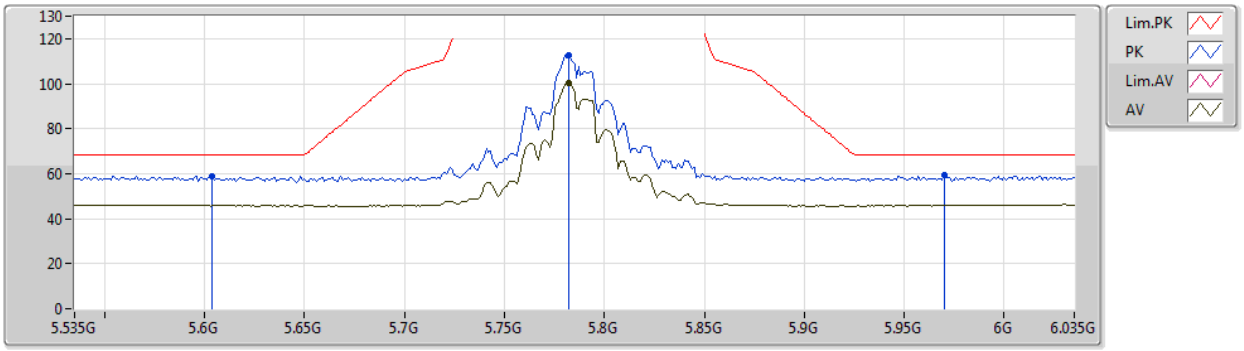
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.49486G	55.18	74.00	-18.82	42.17	3	Horizontal	181	2.08	-	38.85	8.94	34.78
AV	11.48848G	40.76	54.00	-13.24	27.76	3	Horizontal	181	2.08	-	38.84	8.94	34.78

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

24/10/2019



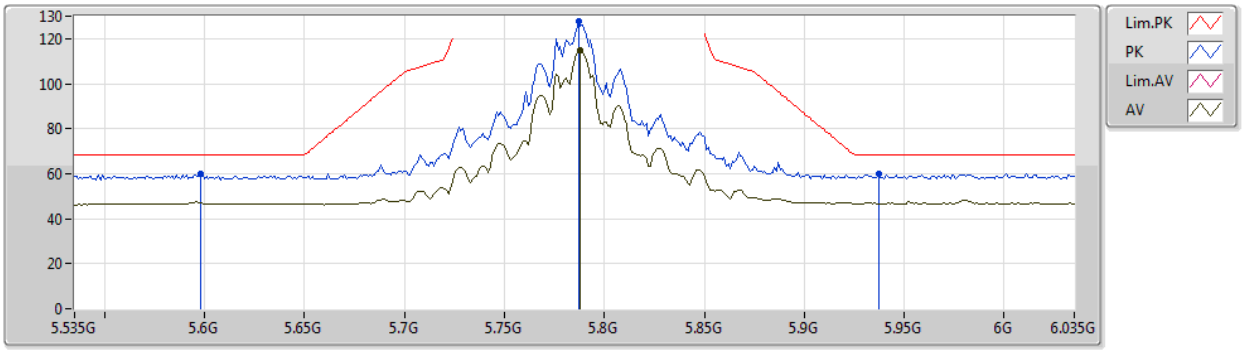
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	5.604G	59.00	68.20	-9.20	52.84	3	Vertical	70	1.40	-	34.40	6.76	35.00
PK	5.782G	112.75	Inf	-Inf	106.95	3	Vertical	70	1.40	-	34.30	6.53	35.03
AV	5.782G	100.34	Inf	-Inf	94.54	3	Vertical	70	1.40	-	34.30	6.53	35.03
PK	5.97G	59.39	68.20	-8.81	53.08	3	Vertical	70	1.40	-	34.71	6.65	35.05

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

24/10/2019



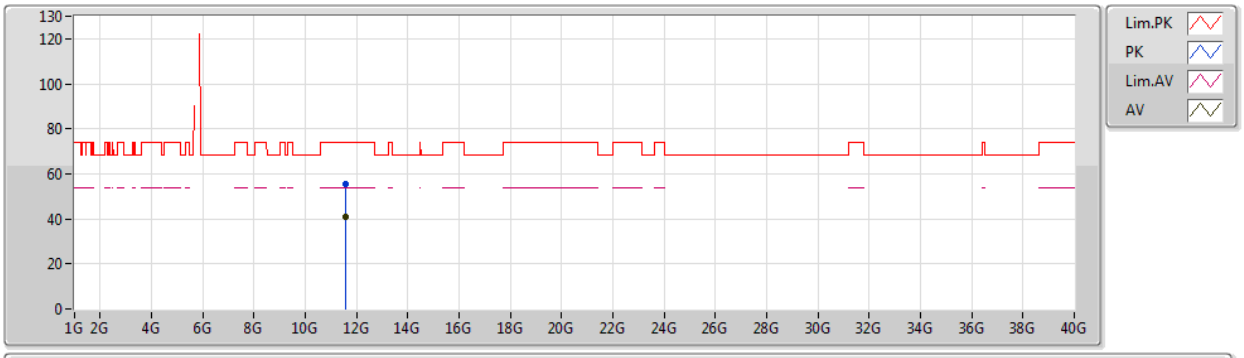
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	5.598G	59.80	68.20	-8.40	53.63	3	Horizontal	58	2.25	-	34.40	6.77	35.00
PK	5.787G	127.89	Inf	-Inf	122.09	3	Horizontal	58	2.25	-	34.30	6.53	35.03
AV	5.788G	114.87	Inf	-Inf	109.07	3	Horizontal	58	2.25	-	34.30	6.53	35.03
PK	5.937G	59.68	68.20	-8.52	53.49	3	Horizontal	58	2.25	-	34.61	6.62	35.04

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

24/10/2019



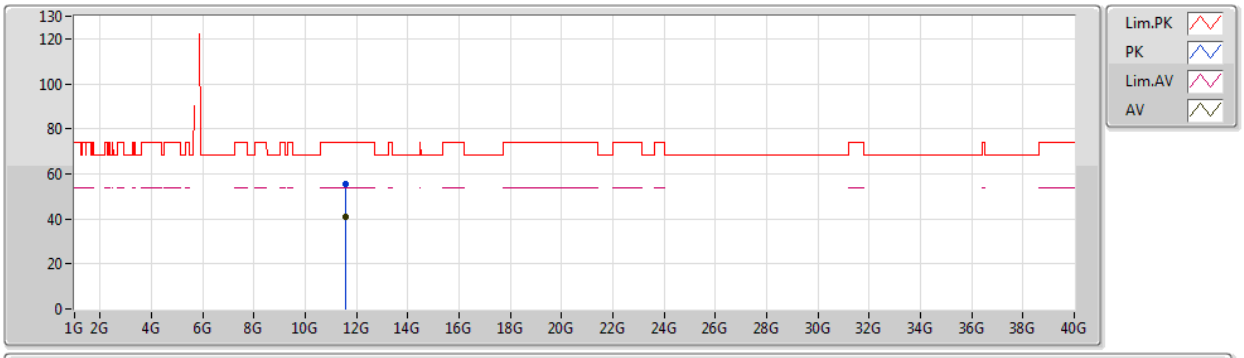
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.57498G	55.22	74.00	-18.78	42.18	3	Vertical	111	1.84	-	38.90	8.93	34.79
AV	11.57014G	41.13	54.00	-12.87	28.09	3	Vertical	111	1.84	-	38.90	8.93	34.79

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

24/10/2019



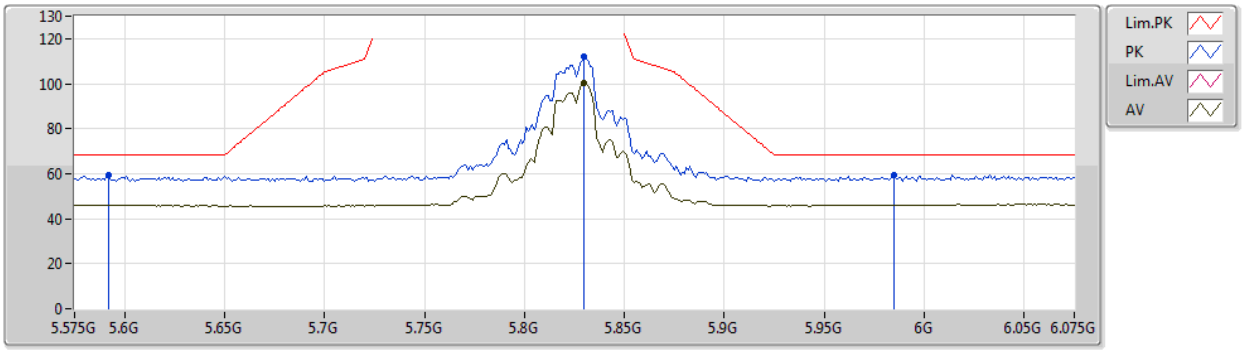
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.57458G	55.54	74.00	-18.46	42.50	3	Horizontal	238	1.98	-	38.90	8.93	34.79
AV	11.56844G	41.11	54.00	-12.89	28.07	3	Horizontal	238	1.98	-	38.90	8.93	34.79

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

24/10/2019



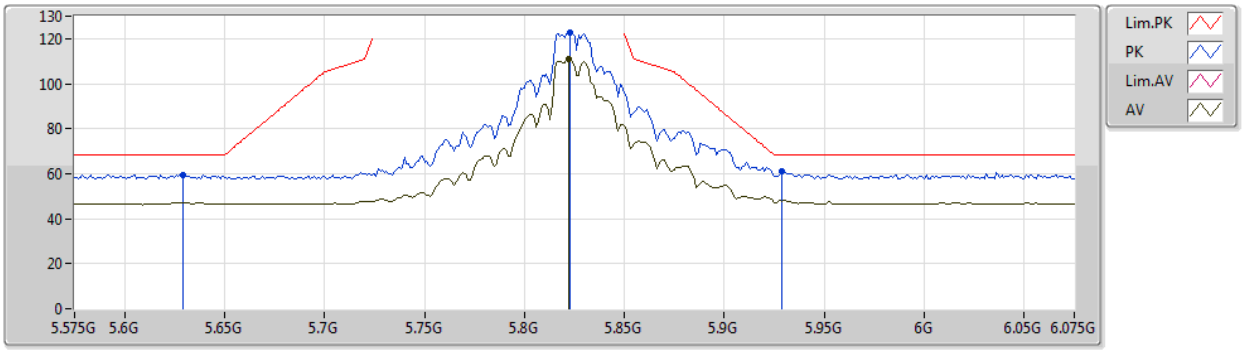
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	5.592G	59.21	68.20	-8.99	53.04	3	Vertical	67	1.49	-	34.41	6.76	35.00
PK	5.83G	112.23	Inf	-Inf	106.37	3	Vertical	67	1.49	-	34.36	6.53	35.03
AV	5.83G	100.05	Inf	-Inf	94.19	3	Vertical	67	1.49	-	34.36	6.53	35.03
PK	5.985G	59.28	68.20	-8.92	52.92	3	Vertical	67	1.49	-	34.75	6.66	35.05

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

24/10/2019



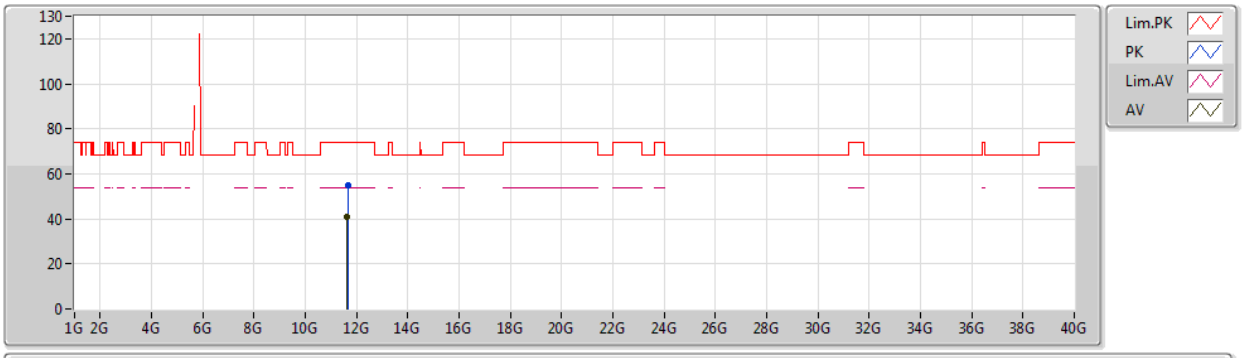
EUT X_4TX_Dipole
Setting 23
03-P-2-10
FSP(100019)

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	59.67	68.20	-8.53	53.57	3	Horizontal	60	1.47	-	34.37	6.73	35.00
PK	5.823G	122.75	Inf	-Inf	116.90	3	Horizontal	60	1.47	-	34.35	6.53	35.03
AV	5.822G	110.67	Inf	-Inf	104.83	3	Horizontal	60	1.47	-	34.34	6.53	35.03
PK	5.929G	61.26	68.20	-6.94	55.10	3	Horizontal	60	1.47	-	34.59	6.61	35.04

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

24/10/2019



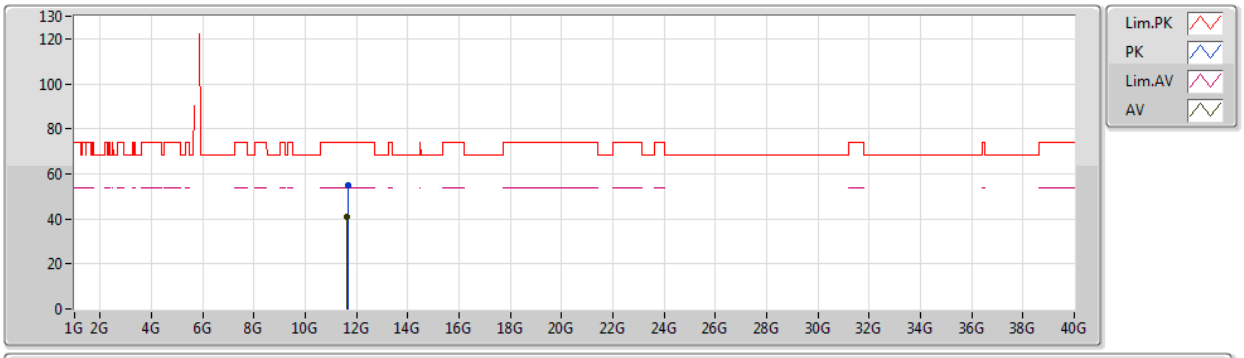
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.6529G	54.72	74.00	-19.28	41.63	3	Vertical	327	1.60	-	38.96	8.93	34.80
AV	11.64502G	40.87	54.00	-13.13	27.79	3	Vertical	327	1.60	-	38.95	8.93	34.80

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

24/10/2019



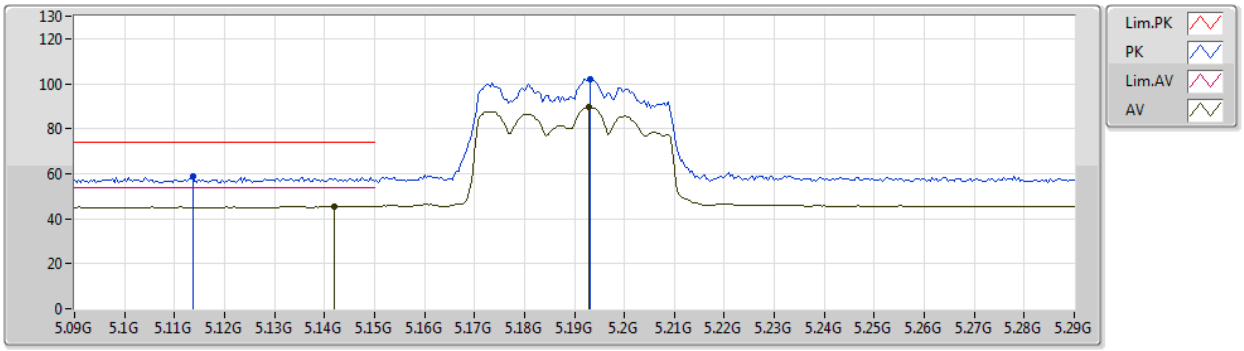
EUT X_4TX_Dipole
Setting 23
03-P-2
FSP(100019)

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	11.65164G	54.96	74.00	-19.04	41.87	3	Horizontal	59	1.51	-	38.96	8.93	34.80
AV	11.64522G	40.95	54.00	-13.05	27.87	3	Horizontal	59	1.51	-	38.95	8.93	34.80

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

24/10/2019



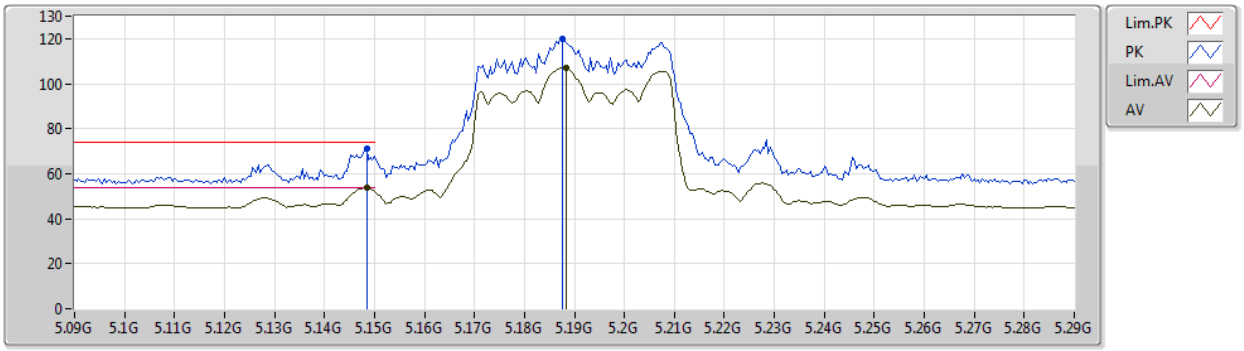
EUT X_4TX_Dipole
Setting 16
03-P-2-10
FSP(100019)

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	5.1136G	58.71	74.00	-15.29	53.31	3	Vertical	103	1.01	-	34.01	6.36	34.97
AV	5.142G	45.45	54.00	-8.55	39.97	3	Vertical	103	1.01	-	34.04	6.41	34.97
PK	5.1932G	101.86	Inf	-Inf	96.24	3	Vertical	103	1.01	-	34.09	6.51	34.98
AV	5.1928G	89.63	Inf	-Inf	84.01	3	Vertical	103	1.01	-	34.09	6.51	34.98

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

24/10/2019



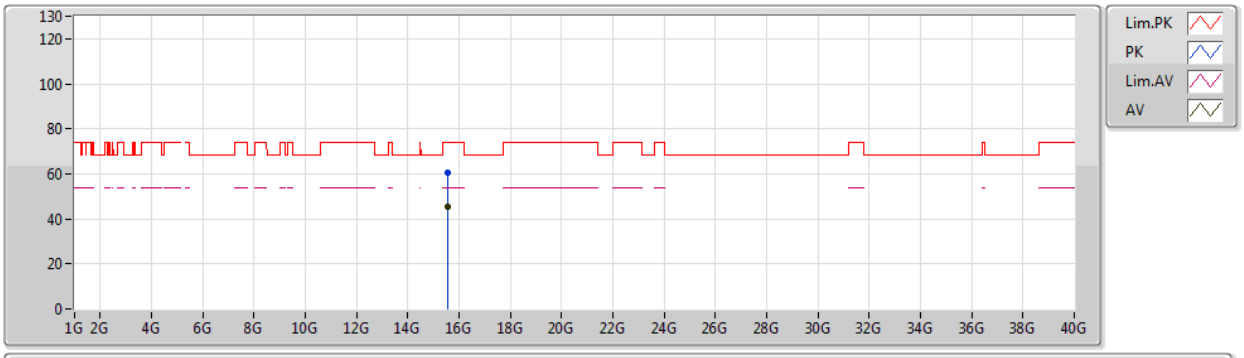
EUT X_4TX_Dipole
Setting 16
01-J-5-10
FSP(100019)

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	5.1484G	70.91	74.00	-3.09	66.66	3	Horizontal	59	1.42	-	33.05	5.65	34.45
AV	5.1484G	53.90	54.00	-0.10	49.65	3	Horizontal	59	1.42	-	33.05	5.65	34.45
PK	5.1876G	119.85	Inf	-Inf	115.59	3	Horizontal	59	1.42	-	33.09	5.63	34.46
AV	5.1884G	107.05	Inf	-Inf	102.79	3	Horizontal	59	1.42	-	33.09	5.63	34.46

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

24/10/2019



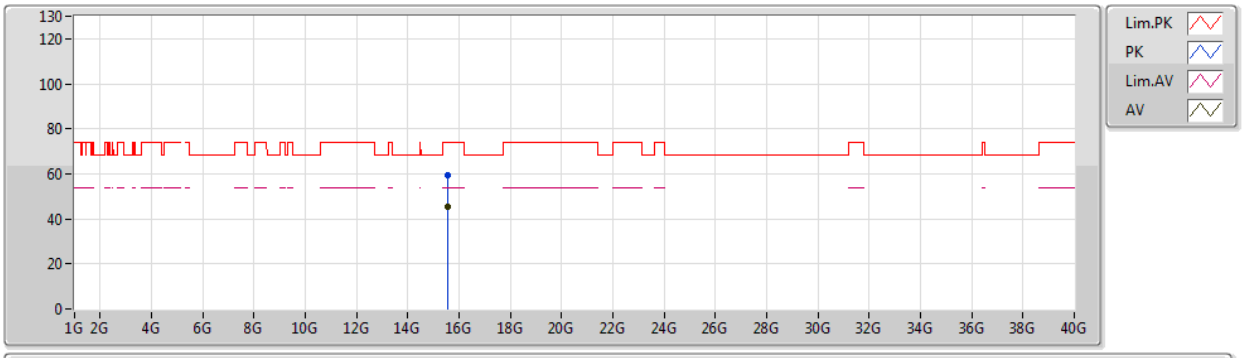
EUT X_4TX_Dipole
Setting 16
03-P-2
FSP(100019)

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	15.5726G	60.43	74.00	-13.57	46.15	3	Vertical	242	1.65	-	38.78	10.51	35.01
AV	15.57144G	45.54	54.00	-8.46	31.25	3	Vertical	242	1.65	-	38.79	10.51	35.01

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

24/10/2019



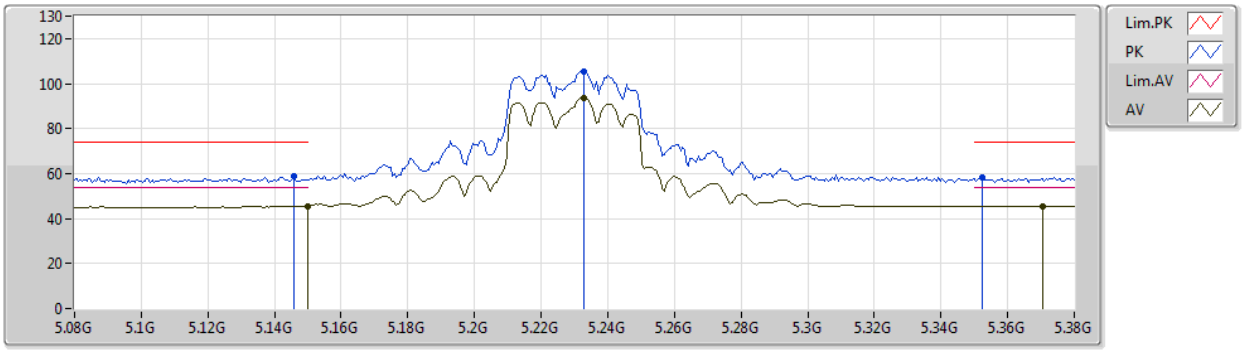
EUT X_4TX_Dipole
Setting 16
03-P-2
FSP(100019)

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	15.5736G	59.65	74.00	-14.35	45.37	3	Horizontal	226	2.47	-	38.78	10.51	35.01
AV	15.56622G	45.48	54.00	-8.52	31.18	3	Horizontal	226	2.47	-	38.80	10.51	35.01

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

24/10/2019



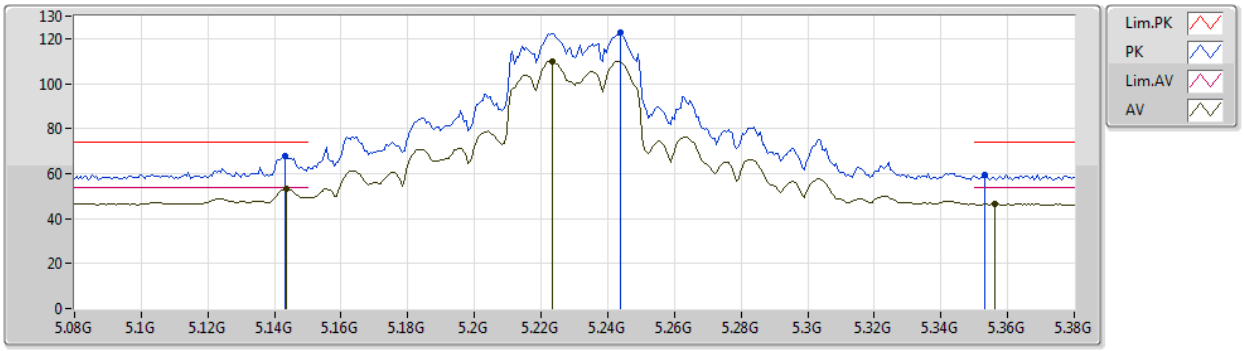
EUT X_4TX_Dipole
Setting 19.5
03-P-2-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.146G	58.60	74.00	-15.40	53.10	3	Vertical	108	1.31	-	34.05	6.42	34.97
AV	5.15G	45.47	54.00	-8.53	39.97	3	Vertical	108	1.31	-	34.05	6.42	34.97
PK	5.233G	105.44	Inf	-Inf	99.75	3	Vertical	108	1.31	-	34.17	6.50	34.98
AV	5.233G	93.53	Inf	-Inf	87.84	3	Vertical	108	1.31	-	34.17	6.50	34.98
PK	5.3524G	58.51	74.00	-15.49	52.70	3	Vertical	108	1.31	-	34.35	6.45	34.99
AV	5.3704G	45.56	54.00	-8.44	39.74	3	Vertical	108	1.31	-	34.37	6.44	34.99

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

24/10/2019



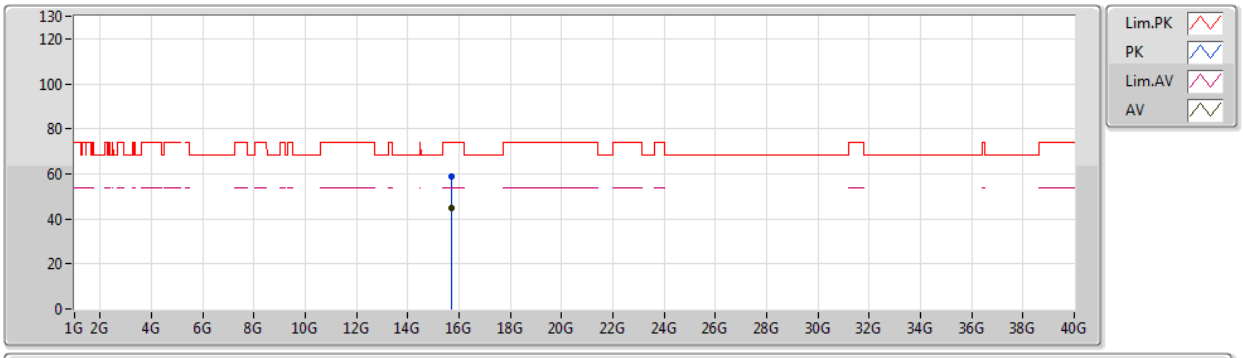
EUT X_4TX_Dipole
Setting 19.5
03-P-2-10
FSP(100019)

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	5.143G	68.00	74.00	-6.00	62.52	3	Horizontal	59	1.91	-	34.04	6.41	34.97
AV	5.1436G	53.01	54.00	-0.99	47.53	3	Horizontal	59	1.91	-	34.04	6.41	34.97
PK	5.2438G	122.63	Inf	-Inf	116.92	3	Horizontal	59	1.91	-	34.19	6.50	34.98
AV	5.2234G	109.94	Inf	-Inf	104.26	3	Horizontal	59	1.91	-	34.15	6.51	34.98
PK	5.353G	59.62	74.00	-14.38	53.81	3	Horizontal	59	1.91	-	34.35	6.45	34.99
AV	5.356G	46.35	54.00	-7.65	40.53	3	Horizontal	59	1.91	-	34.36	6.45	34.99

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

24/10/2019



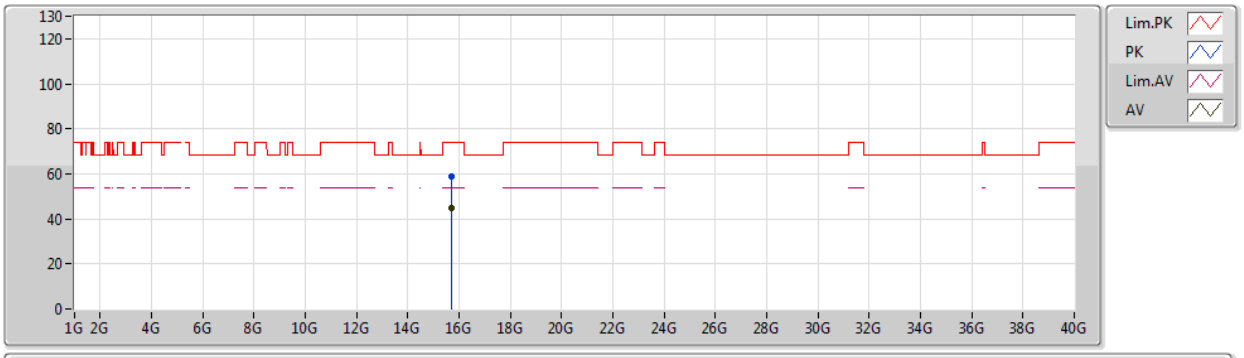
EUT X_4TX_Dipole
Setting 19.5
03-P-2
FSP(100019)

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	15.68662G	58.59	74.00	-15.41	44.72	3	Vertical	109	2.25	-	38.44	10.56	35.13
AV	15.68526G	44.70	54.00	-9.30	30.83	3	Vertical	109	2.25	-	38.44	10.56	35.13

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

24/10/2019



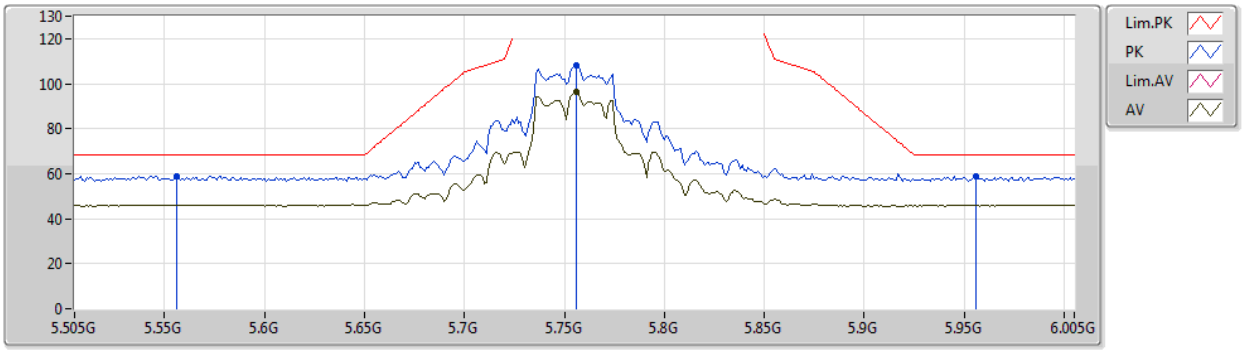
EUT X_4TX_Dipole
Setting 19.5
03-P-2
FSP(100019)

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	15.69402G	58.62	74.00	-15.38	44.77	3	Horizontal	168	1.99	-	38.42	10.56	35.13
AV	15.68518G	44.76	54.00	-9.24	30.89	3	Horizontal	168	1.99	-	38.44	10.56	35.13

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

24/10/2019



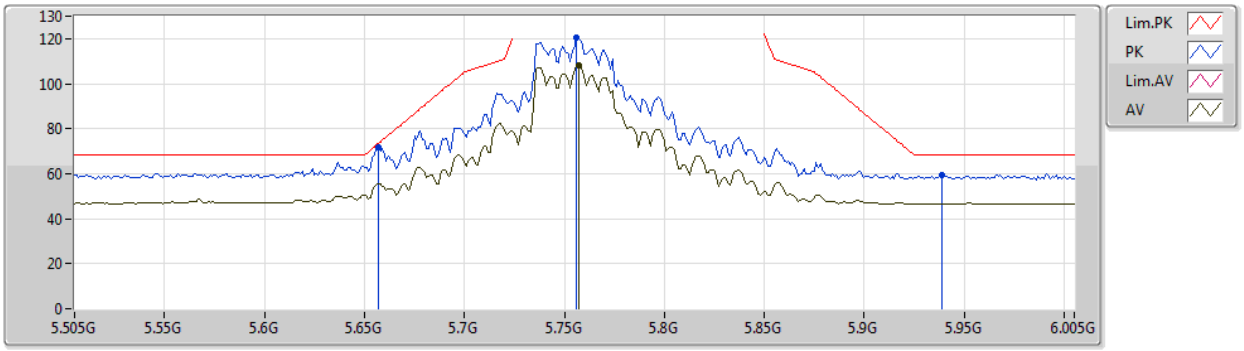
EUT X_4TX_Dipole
Setting 20.5
03-P-2-10
FSP(100019)

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	5.556G	58.87	68.20	-9.33	52.73	3	Vertical	67	1.30	-	34.44	6.70	35.00
PK	5.756G	107.87	Inf	-Inf	102.02	3	Vertical	67	1.30	-	34.30	6.57	35.02
AV	5.756G	96.23	Inf	-Inf	90.38	3	Vertical	67	1.30	-	34.30	6.57	35.02
PK	5.956G	58.70	68.20	-9.50	52.45	3	Vertical	67	1.30	-	34.67	6.63	35.05

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

24/10/2019



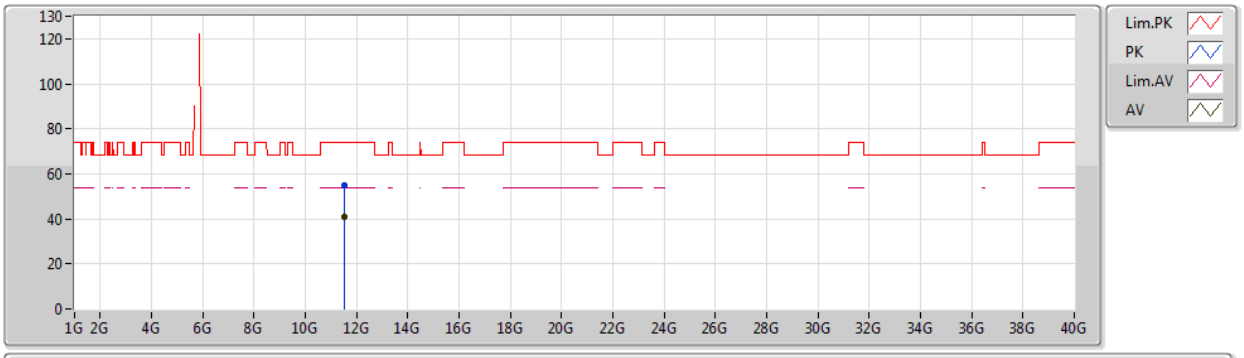
EUT X_4TX_Dipole
Setting 20.5
03-P-2-10
FSP(100019)

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	5.657G	71.86	73.38	-1.52	65.83	3	Horizontal	278	1.50	-	34.34	6.70	35.01
PK	5.756G	120.39	Inf	-Inf	114.54	3	Horizontal	278	1.50	-	34.30	6.57	35.02
AV	5.757G	108.25	Inf	-Inf	102.40	3	Horizontal	278	1.50	-	34.30	6.57	35.02
PK	5.939G	59.51	68.20	-8.69	53.31	3	Horizontal	278	1.50	-	34.62	6.62	35.04

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

24/10/2019



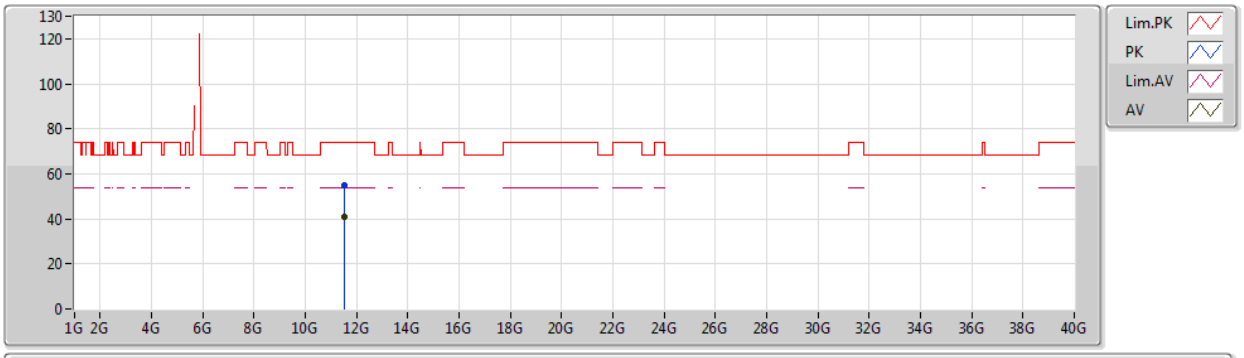
EUT X_4TX_Dipole
Setting 20.5
03-P-2
FSP(100019)

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	11.50692G	54.91	74.00	-19.09	41.91	3	Vertical	288	2.23	-	38.85	8.93	34.78
AV	11.50822G	40.96	54.00	-13.04	27.95	3	Vertical	288	2.23	-	38.86	8.93	34.78

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

24/10/2019



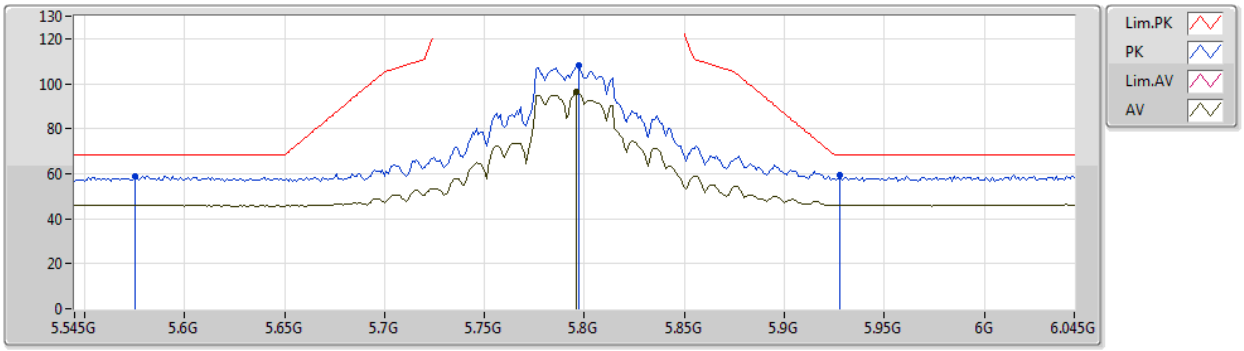
EUT X_4TX_Dipole
Setting 20.5
03-P-2
FSP(100019)

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	11.5086G	54.80	74.00	-19.20	41.79	3	Horizontal	120	2.30	-	38.86	8.93	34.78
AV	11.50512G	40.95	54.00	-13.05	27.95	3	Horizontal	120	2.30	-	38.85	8.93	34.78

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

24/10/2019



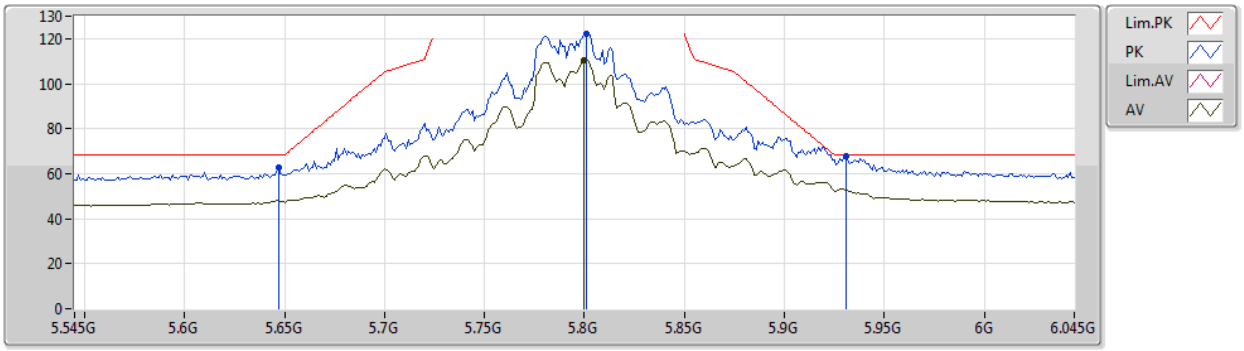
EUT X_4TX_Dipole
Setting 21
03-P-2-10
FSP(100019)

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	5.575G	59.05	68.20	-9.15	52.90	3	Vertical	69	1.43	-	34.42	6.73	35.00
PK	5.797G	108.07	Inf	-Inf	102.29	3	Vertical	69	1.43	-	34.30	6.51	35.03
AV	5.796G	96.64	Inf	-Inf	90.85	3	Vertical	69	1.43	-	34.30	6.52	35.03
PK	5.928G	59.54	68.20	-8.66	53.39	3	Vertical	69	1.43	-	34.58	6.61	35.04

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

24/10/2019



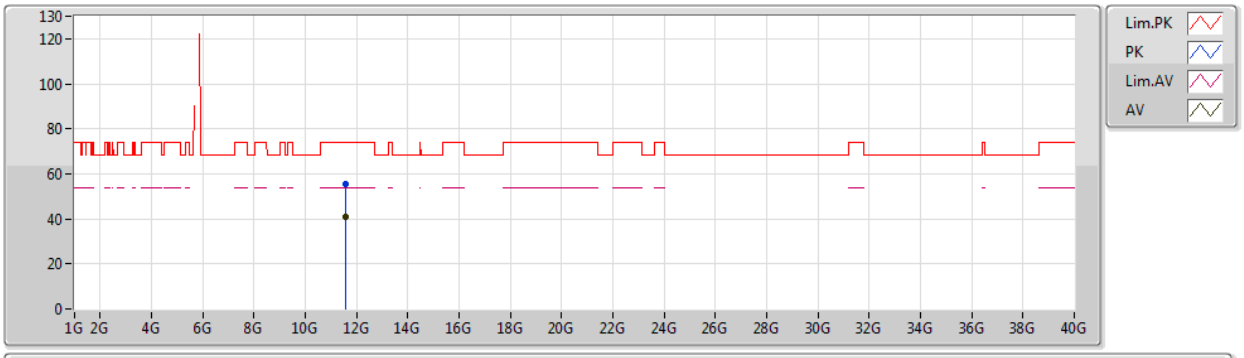
EUT X_4TX_Dipole
Setting 21
01-J-5-10
FSP(100019)

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	62.48	68.20	-5.72	56.79	3	Horizontal	58	2.19	-	34.25	5.95	34.51
PK	5.801G	122.31	Inf	-Inf	116.34	3	Horizontal	58	2.19	-	34.51	6.01	34.55
AV	5.8G	110.43	Inf	-Inf	104.47	3	Horizontal	58	2.19	-	34.50	6.01	34.55
PK	5.931G	67.90	68.20	-0.30	61.07	3	Horizontal	58	2.19	-	35.19	6.23	34.59

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

24/10/2019



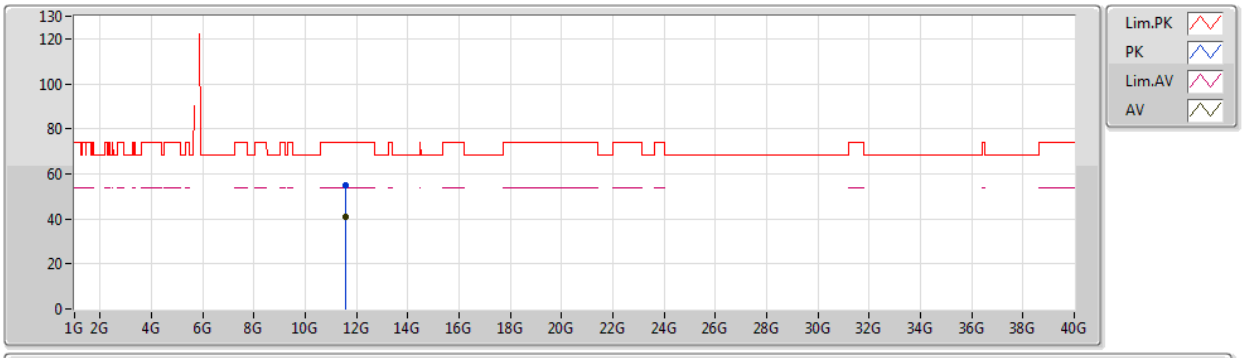
EUT X_4TX_Dipole
Setting 21
03-P-2
FSP(100019)

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	11.58982G	55.29	74.00	-18.71	42.24	3	Vertical	128	2.17	-	38.91	8.93	34.79
AV	11.58938G	41.07	54.00	-12.93	28.02	3	Vertical	128	2.17	-	38.91	8.93	34.79

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

24/10/2019



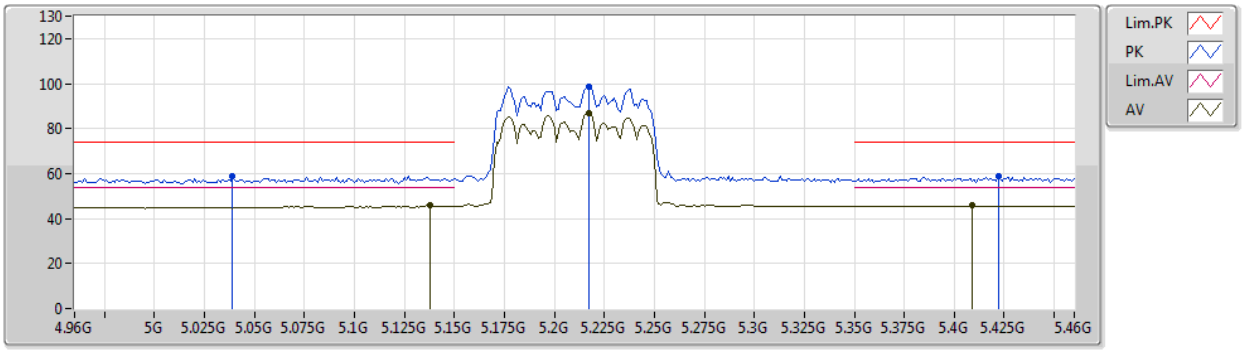
EUT X_4TX_Dipole
Setting 21
03-P-2
FSP(100019)

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	11.59294G	55.17	74.00	-18.83	42.11	3	Horizontal	235	1.42	-	38.92	8.93	34.79
AV	11.58606G	41.06	54.00	-12.94	28.01	3	Horizontal	235	1.42	-	38.91	8.93	34.79

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

24/10/2019



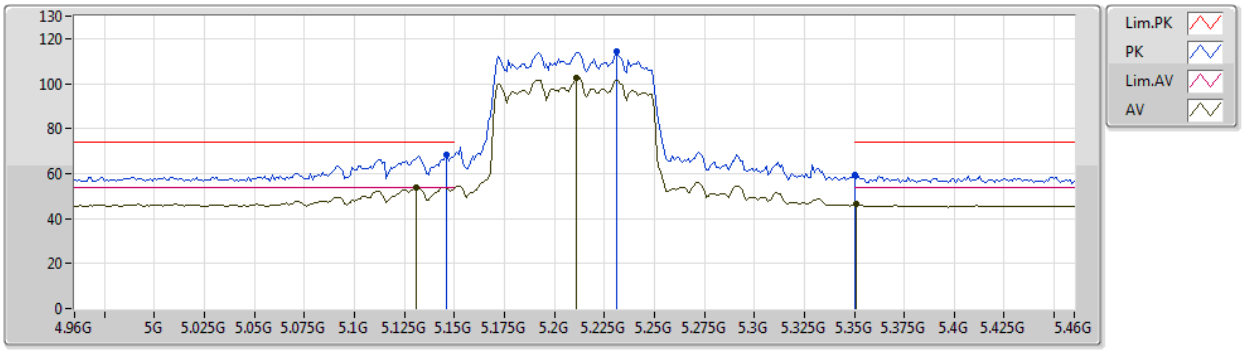
EUT X_4TX_Dipole
Setting 16
03-P-2-10
FSP(100019)

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	5.039G	58.67	74.00	-15.33	53.51	3	Vertical	102	1.40	-	33.94	6.19	34.97
AV	5.138G	45.97	54.00	-8.03	40.50	3	Vertical	102	1.40	-	34.04	6.40	34.97
PK	5.217G	98.85	Inf	-Inf	93.19	3	Vertical	102	1.40	-	34.13	6.51	34.98
AV	5.217G	87.07	Inf	-Inf	81.41	3	Vertical	102	1.40	-	34.13	6.51	34.98
PK	5.422G	58.83	74.00	-15.17	52.93	3	Vertical	102	1.40	-	34.42	6.47	34.99
AV	5.409G	45.77	54.00	-8.23	39.90	3	Vertical	102	1.40	-	34.41	6.45	34.99

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

24/10/2019



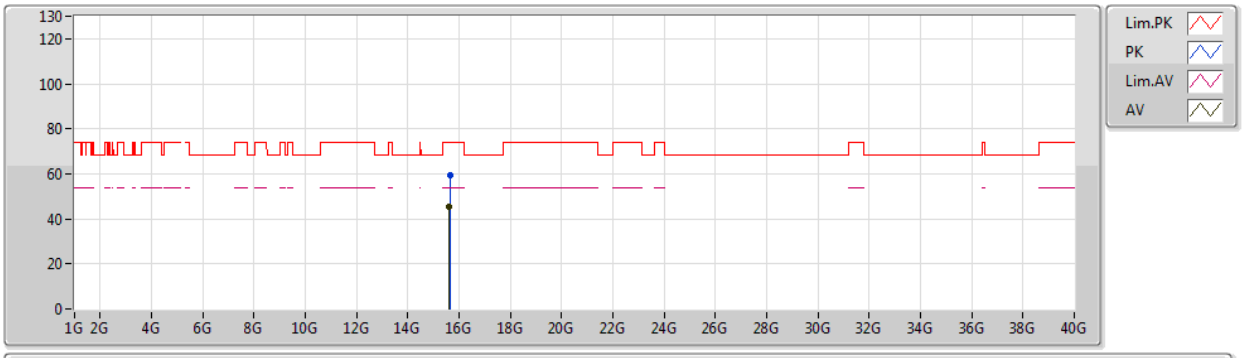
EUT X_4TX_Dipole
Setting 16
01-J-5-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.146G	68.40	74.00	-5.60	64.15	3	Horizontal	60	1.63	-	33.05	5.65	34.45
AV	5.131G	53.92	54.00	-0.08	49.68	3	Horizontal	60	1.63	-	33.03	5.66	34.45
PK	5.231G	114.18	Inf	-Inf	109.80	3	Horizontal	60	1.63	-	33.19	5.65	34.46
AV	5.211G	102.70	Inf	-Inf	98.39	3	Horizontal	60	1.63	-	33.13	5.64	34.46
PK	5.35G	59.13	74.00	-14.87	54.32	3	Horizontal	60	1.63	-	33.55	5.73	34.47
AV	5.351G	46.42	54.00	-7.58	41.61	3	Horizontal	60	1.63	-	33.55	5.73	34.47

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

24/10/2019



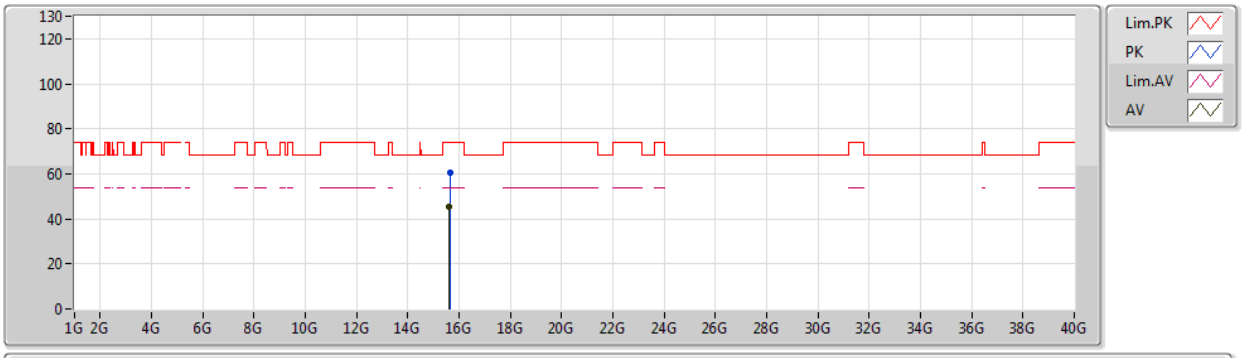
EUT X_4TX_Dipole
Setting 16
03-P-2
FSP(100019)

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	15.63292G	59.46	74.00	-14.54	45.39	3	Vertical	93	1.71	-	38.60	10.54	35.07
AV	15.6261G	45.40	54.00	-8.60	31.32	3	Vertical	93	1.71	-	38.62	10.53	35.07

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

24/10/2019



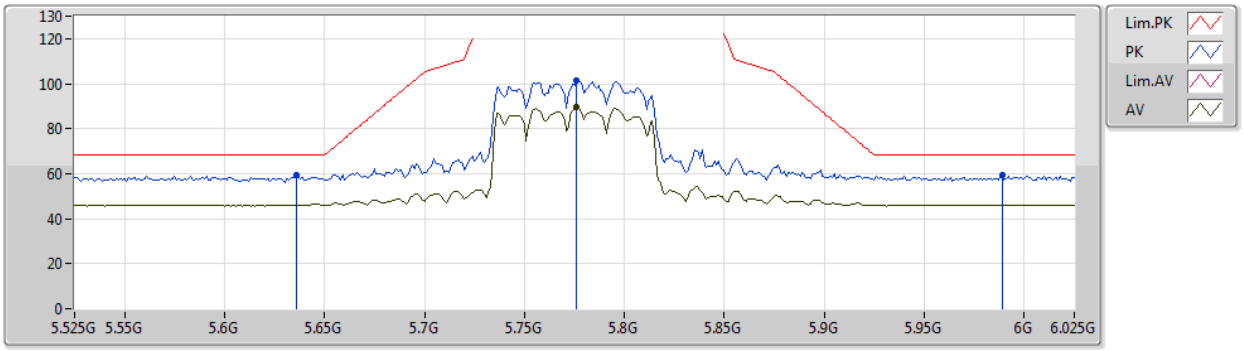
EUT X_4TX_Dipole
Setting 16
03-P-2
FSP(100019)

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	15.6318G	60.56	74.00	-13.44	46.49	3	Horizontal	185	1.61	-	38.60	10.54	35.07
AV	15.62948G	45.46	54.00	-8.54	31.38	3	Horizontal	185	1.61	-	38.61	10.54	35.07

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

24/10/2019



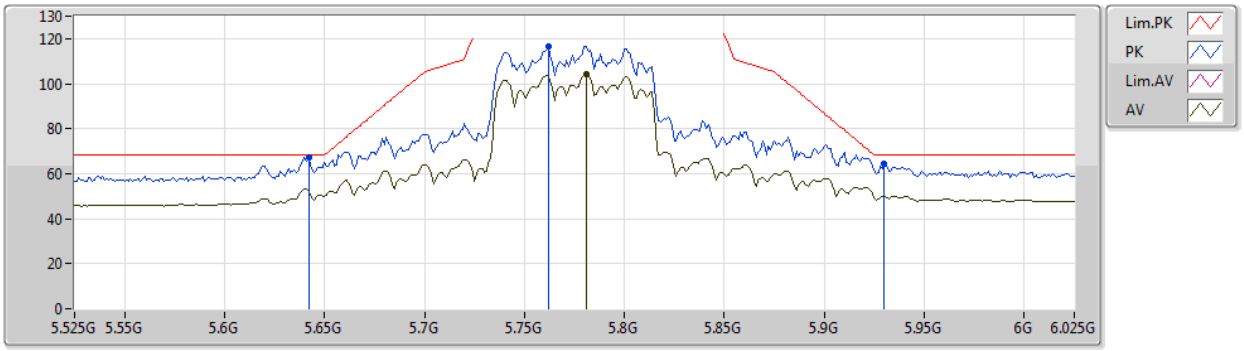
EUT X_4TX_Dipole
Setting 17.5
03-P-2-10
FSP(100019)

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	5.636G	59.22	68.20	-8.98	53.14	3	Vertical	69	1.41	-	34.36	6.72	35.00
PK	5.776G	101.51	Inf	-Inf	95.70	3	Vertical	69	1.41	-	34.30	6.54	35.03
AV	5.776G	89.67	Inf	-Inf	83.86	3	Vertical	69	1.41	-	34.30	6.54	35.03
PK	5.989G	59.13	68.20	-9.07	52.75	3	Vertical	69	1.41	-	34.77	6.66	35.05

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

24/10/2019



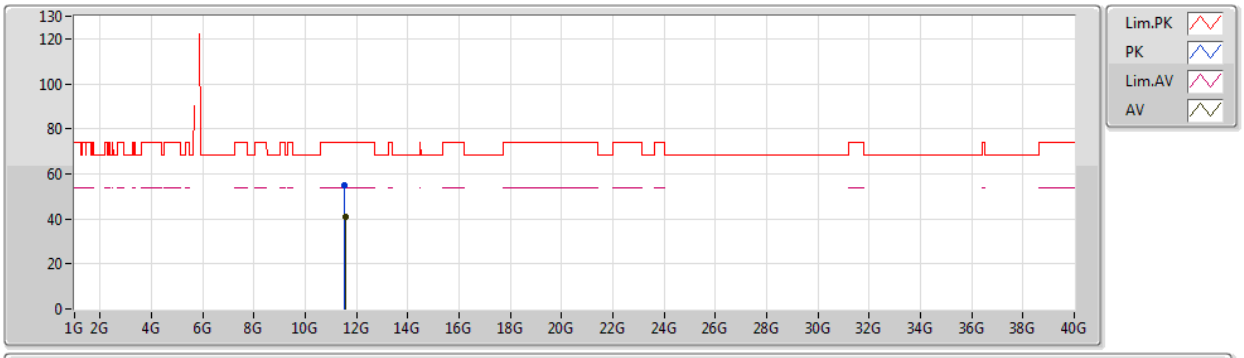
EUT X_4TX_Dipole
Setting 17.5
01-J-5-10
FSP(100019)

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	5.642G	67.03	68.20	-1.17	61.35	3	Horizontal	59	2.33	-	34.24	5.95	34.51
PK	5.762G	116.76	Inf	-Inf	110.89	3	Horizontal	59	2.33	-	34.42	5.99	34.54
AV	5.781G	103.99	Inf	-Inf	98.08	3	Horizontal	59	2.33	-	34.46	6.00	34.55
PK	5.93G	64.65	68.20	-3.55	57.82	3	Horizontal	59	2.33	-	35.19	6.23	34.59

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

24/10/2019



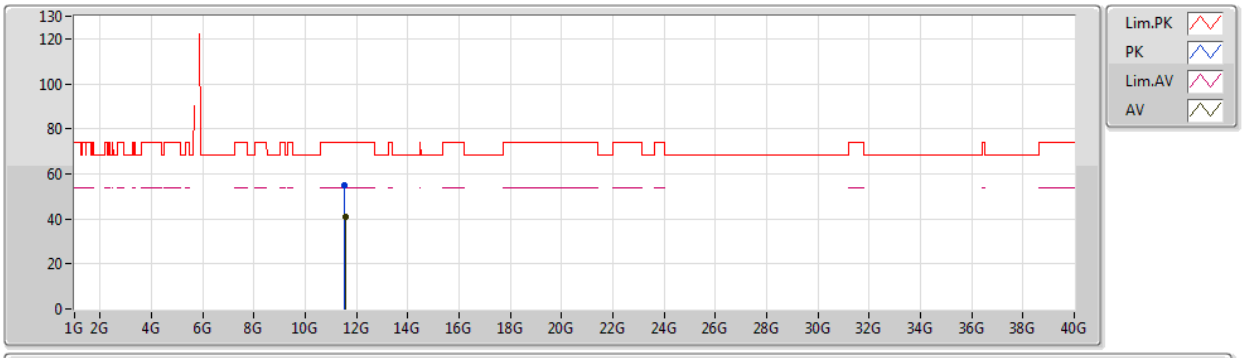
EUT X_4TX_Dipole
Setting 17.5
03-P-2
FSP(100019)

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	11.54658G	55.02	74.00	-18.98	42.00	3	Vertical	153	1.12	-	38.88	8.93	34.79
AV	11.55086G	40.90	54.00	-13.10	27.87	3	Vertical	153	1.12	-	38.89	8.93	34.79

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

24/10/2019



EUT X_4TX_Dipole
Setting 17.5
03-P-2
FSP(100019)

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	11.54698G	54.95	74.00	-19.05	41.93	3	Horizontal	205	1.26	-	38.88	8.93	34.79
AV	11.55018G	40.93	54.00	-13.07	27.90	3	Horizontal	205	1.26	-	38.89	8.93	34.79

<beamforming mode>

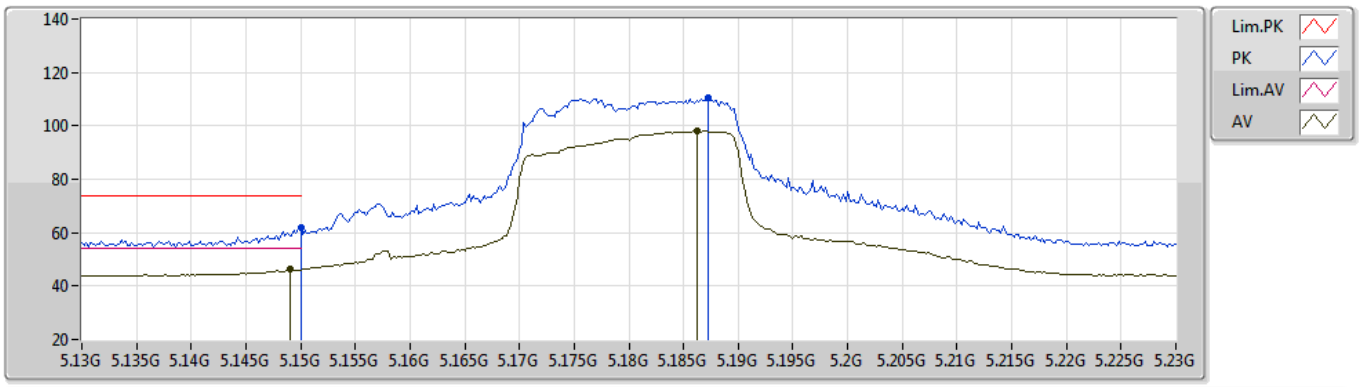
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	PK	5.1464G	73.83	74.00	-0.17	3	Horizontal	289	1.80	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

11/12/2019



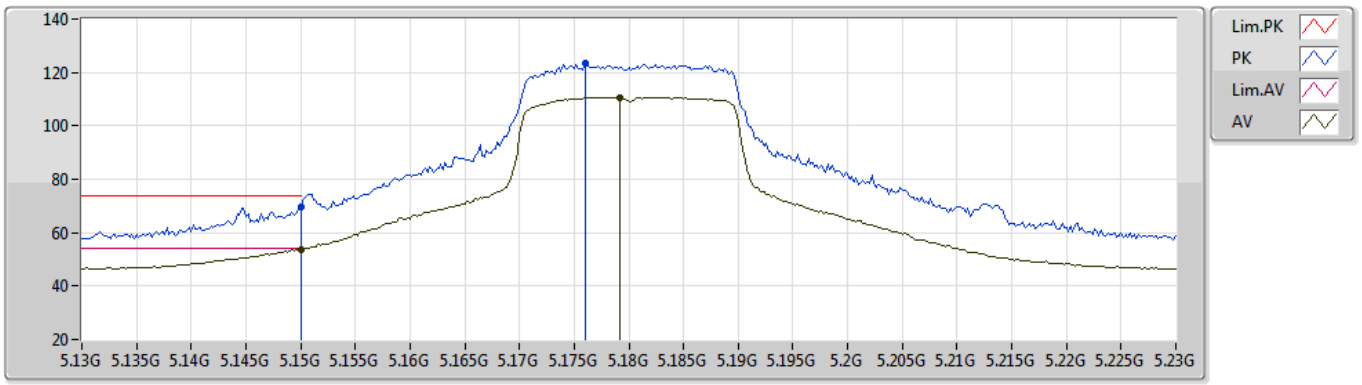
EUT X_4TX
Setting 23
01-B-E-4-10

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	62.06	74.00	-11.94	57.84	3	Vertical	18	3.00	-	32.80	5.87	34.45
AV	5.149G	46.25	54.00	-7.75	42.03	3	Vertical	18	3.00	-	32.80	5.87	34.45
PK	5.1872G	110.54	Inf	-Inf	106.31	3	Vertical	18	3.00	-	32.80	5.89	34.46
AV	5.1862G	98.03	Inf	-Inf	93.80	3	Vertical	18	3.00	-	32.80	5.89	34.46

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/12/2019

5180MHz_TX



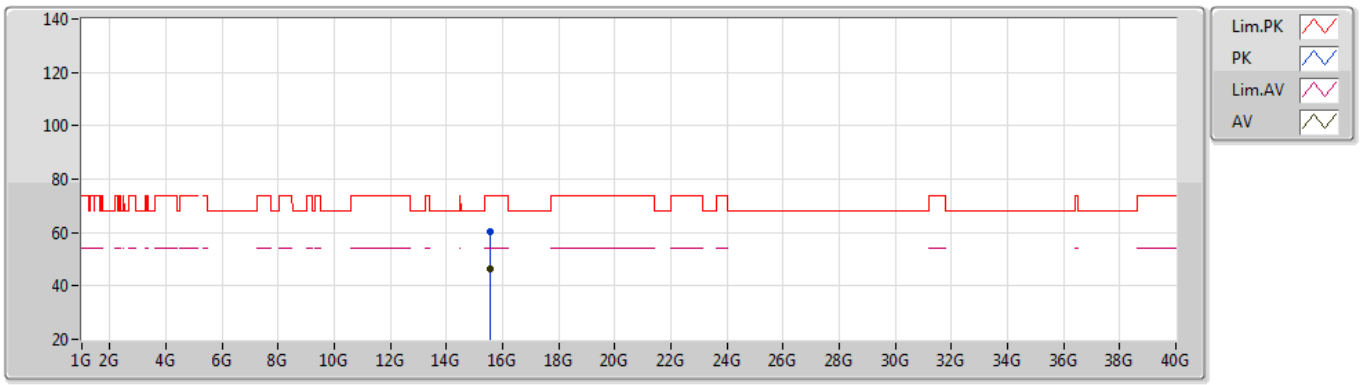
EUT X_4TX
Setting 23
01-B-E-4-10

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	69.90	74.00	-4.10	65.68	3	Horizontal	91	1.38	-	32.80	5.87	34.45
AV	5.15G	53.49	54.00	-0.51	49.27	3	Horizontal	91	1.38	-	32.80	5.87	34.45
PK	5.176G	123.41	Inf	-Inf	119.18	3	Horizontal	91	1.38	-	32.80	5.89	34.46
AV	5.1792G	110.67	Inf	-Inf	106.44	3	Horizontal	91	1.38	-	32.80	5.89	34.46

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/12/2019

5180MHz_TX



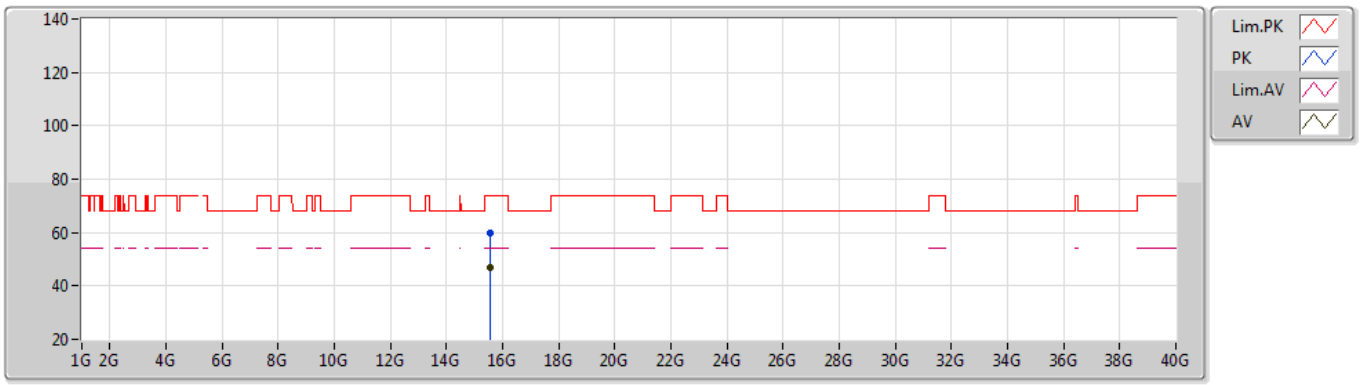
EUT X_4TX
Setting 23
03-C-B-4

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	15.54626G	60.50	74.00	-13.50	46.27	3	Vertical	222	1.57	-	38.86	10.36	34.99
AV	15.5478G	46.48	54.00	-7.52	32.25	3	Vertical	222	1.57	-	38.86	10.36	34.99

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/12/2019

5180MHz_TX



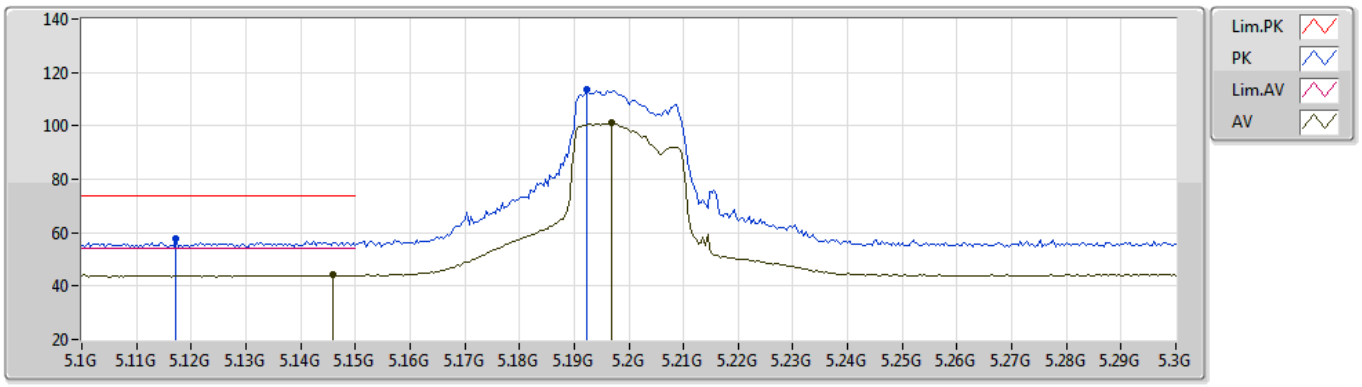
EUT X_4TX
Setting 23
03-C-B-4

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	15.54778G	59.83	74.00	-14.17	45.60	3	Horizontal	191	2.47	-	38.86	10.36	34.99
AV	15.54738G	46.73	54.00	-7.27	32.50	3	Horizontal	191	2.47	-	38.86	10.36	34.99

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

11/12/2019



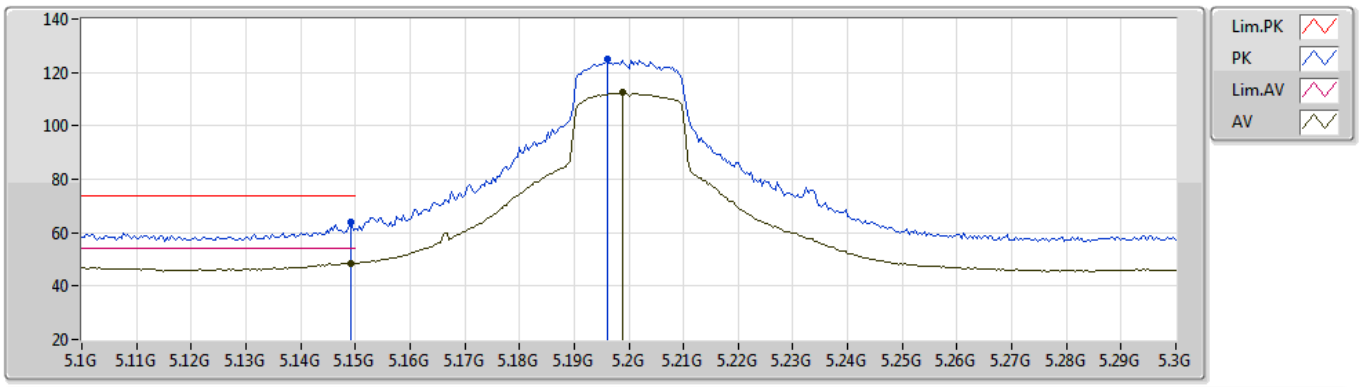
EUT X_4TX
Setting 24
01-B-E-4-10

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	5.1172G	57.76	74.00	-16.24	53.55	3	Vertical	352	3.00	-	32.80	5.86	34.45
AV	5.146G	44.13	54.00	-9.87	39.91	3	Vertical	352	3.00	-	32.80	5.87	34.45
PK	5.1924G	113.54	Inf	-Inf	109.30	3	Vertical	352	3.00	-	32.80	5.90	34.46
AV	5.1968G	101.05	Inf	-Inf	96.81	3	Vertical	352	3.00	-	32.80	5.90	34.46

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

11/12/2019



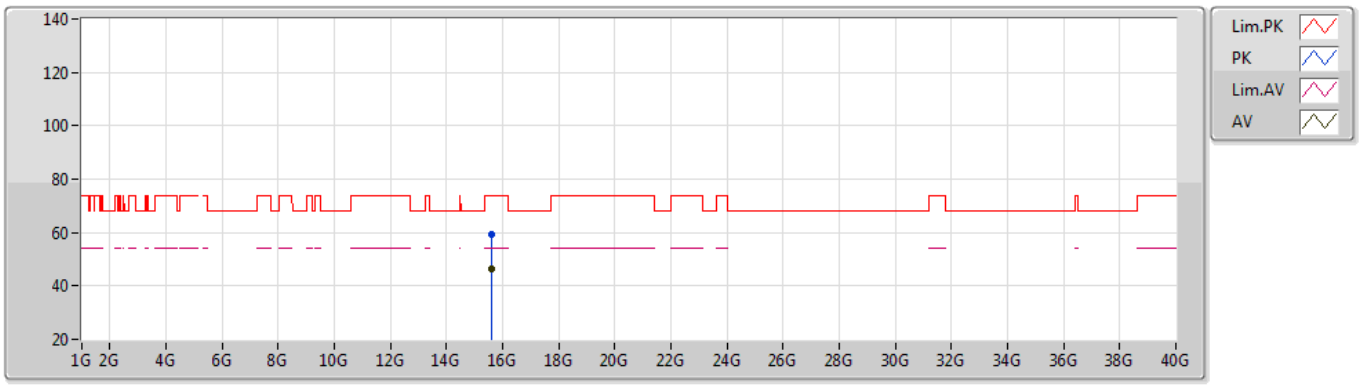
EUT X_4TX
Setting 24
01-B-E-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	63.97	74.00	-10.03	59.75	3	Horizontal	62	1.94	-	32.80	5.87	34.45
AV	5.1492G	48.70	54.00	-5.30	44.48	3	Horizontal	62	1.94	-	32.80	5.87	34.45
PK	5.196G	124.77	Inf	-Inf	120.53	3	Horizontal	62	1.94	-	32.80	5.90	34.46
AV	5.1988G	112.42	Inf	-Inf	108.18	3	Horizontal	62	1.94	-	32.80	5.90	34.46

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

11/12/2019



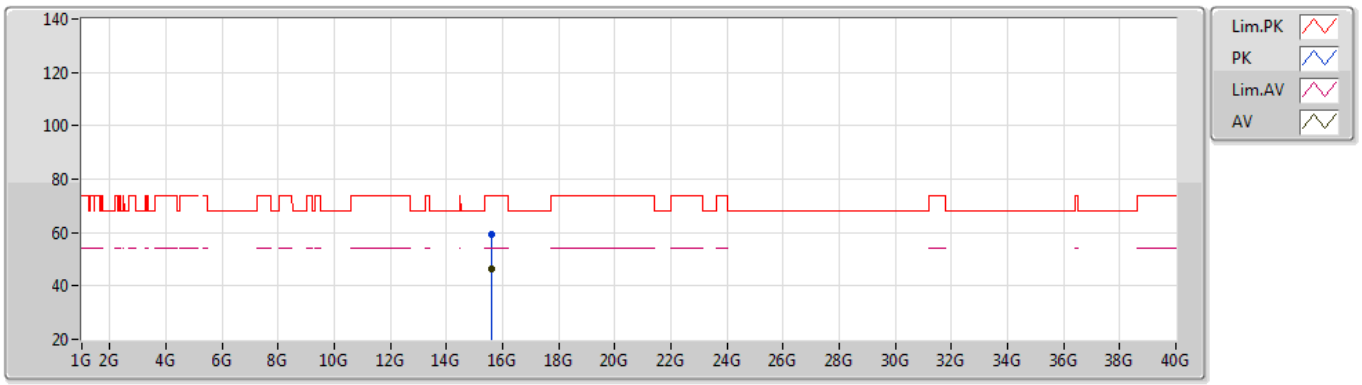
EUT X_4TX
Setting 24
03-C-B-4

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	15.60318G	59.55	74.00	-14.45	45.54	3	Vertical	80	1.75	-	38.69	10.36	35.04
AV	15.60368G	46.37	54.00	-7.63	32.36	3	Vertical	80	1.75	-	38.69	10.36	35.04

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

11/12/2019



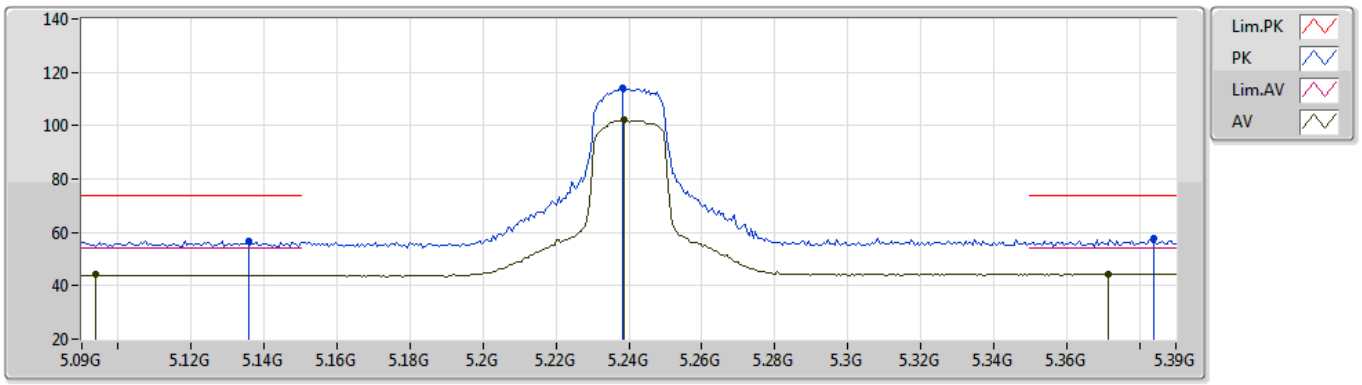
EUT X_4TX
Setting 24
03-C-B-4

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	15.60106G	59.46	74.00	-14.54	45.44	3	Horizontal	256	1.89	-	38.70	10.36	35.04
AV	15.60104G	46.39	54.00	-7.61	32.37	3	Horizontal	256	1.89	-	38.70	10.36	35.04

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

11/12/2019



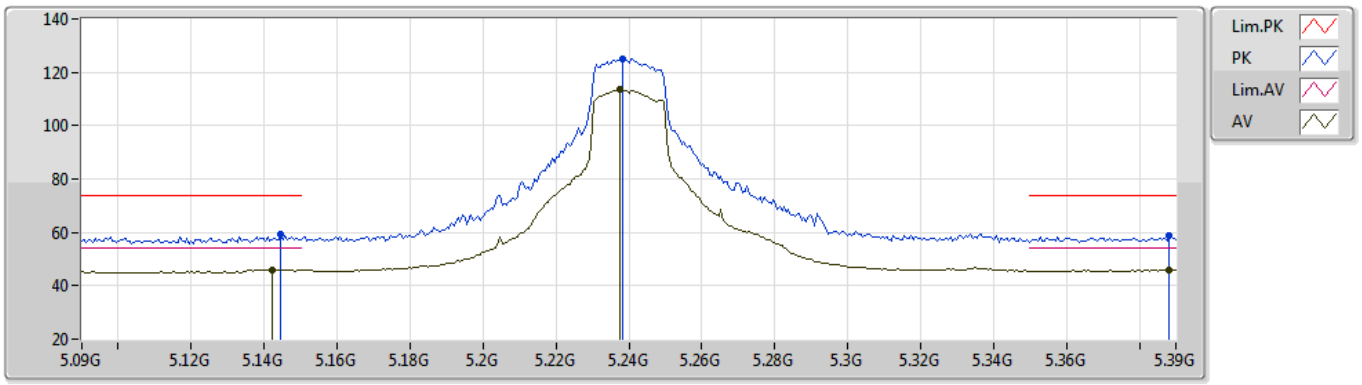
EUT X_4TX
Setting 24
01-B-E-4-10

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	56.79	74.00	-17.21	52.57	3	Vertical	355	2.93	-	32.80	5.87	34.45
AV	5.0936G	44.07	54.00	-9.93	39.86	3	Vertical	355	2.93	-	32.81	5.85	34.45
PK	5.2382G	113.94	Inf	-Inf	109.49	3	Vertical	355	2.93	-	32.91	6.00	34.46
AV	5.2388G	102.19	Inf	-Inf	97.73	3	Vertical	355	2.93	-	32.92	6.00	34.46
PK	5.384G	57.61	74.00	-16.39	52.54	3	Vertical	355	2.93	-	33.18	6.36	34.47
AV	5.3714G	44.52	54.00	-9.48	39.49	3	Vertical	355	2.93	-	33.17	6.33	34.47

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

11/12/2019



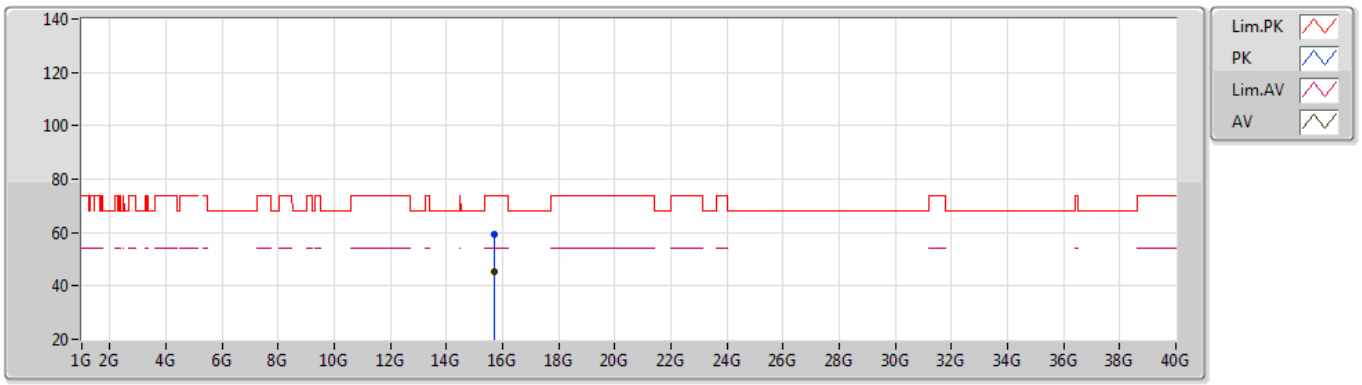
EUT X_4TX
Setting 24
01-B-E-4-10

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	5.1446G	59.32	74.00	-14.68	55.10	3	Horizontal	289	1.15	-	32.80	5.87	34.45
AV	5.1422G	46.12	54.00	-7.88	41.90	3	Horizontal	289	1.15	-	32.80	5.87	34.45
PK	5.2382G	125.21	Inf	-Inf	120.76	3	Horizontal	289	1.15	-	32.91	6.00	34.46
AV	5.2376G	113.54	Inf	-Inf	109.09	3	Horizontal	289	1.15	-	32.91	6.00	34.46
PK	5.3882G	58.65	74.00	-15.35	53.56	3	Horizontal	289	1.15	-	33.19	6.37	34.47
AV	5.3882G	45.92	54.00	-8.08	40.83	3	Horizontal	289	1.15	-	33.19	6.37	34.47

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

11/12/2019



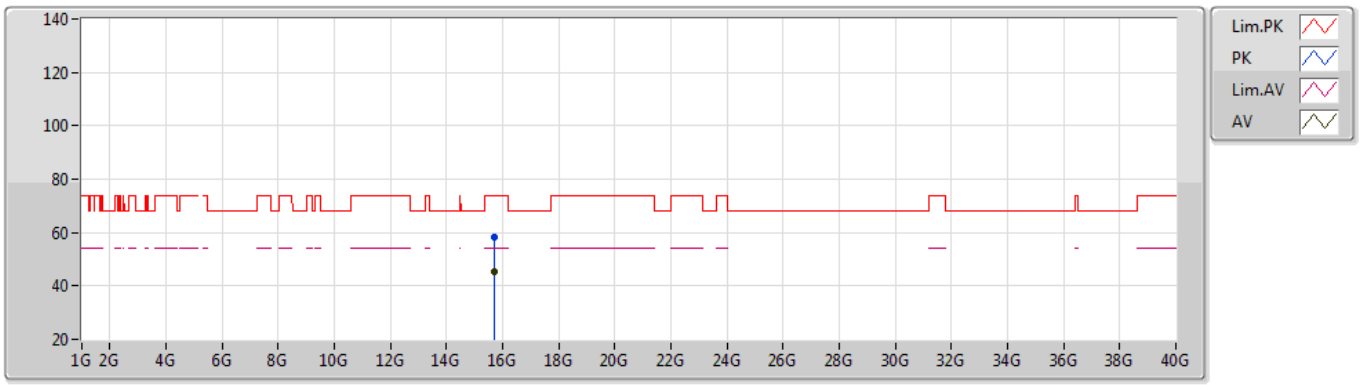
EUT X_4TX
Setting 24
03-C-B-4

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	15.7231G	59.07	74.00	-14.93	45.56	3	Vertical	74	1.70	-	38.33	10.34	35.16
AV	15.72398G	45.31	54.00	-8.69	31.80	3	Vertical	74	1.70	-	38.33	10.34	35.16

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

11/12/2019



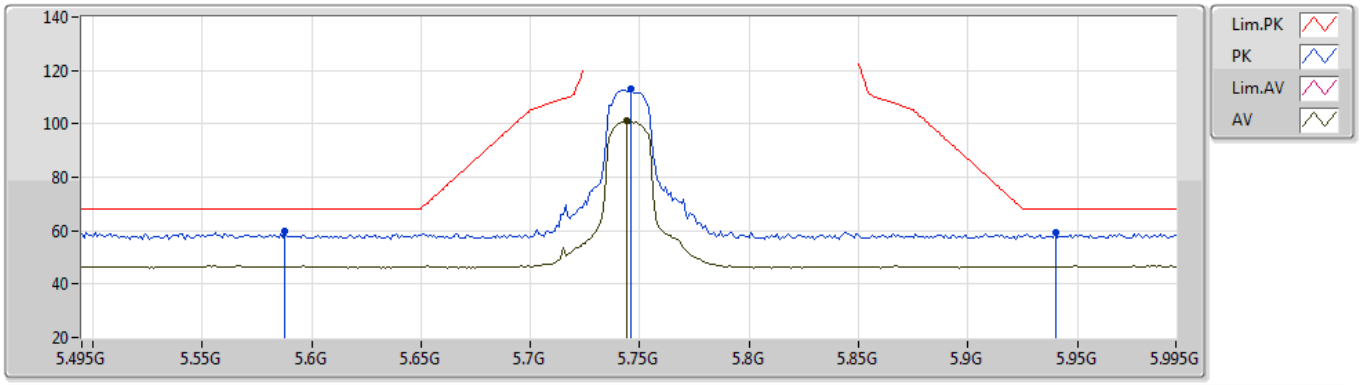
EUT X_4TX
Setting 24
03-C-B-4

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	15.72706G	58.34	74.00	-15.66	44.85	3	Horizontal	224	1.67	-	38.32	10.34	35.17
AV	15.72708G	45.11	54.00	-8.89	31.62	3	Horizontal	224	1.67	-	38.32	10.34	35.17

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/12/2019

5745MHz_TX



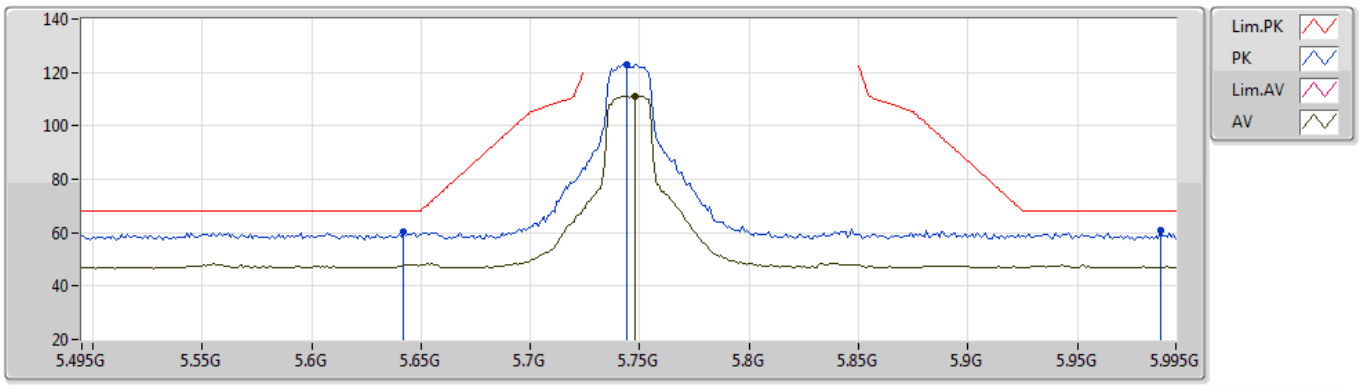
EUT X_4TX
Setting 24
03-C-M-1-10

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	5.588G	59.59	68.20	-8.61	53.30	3	Vertical	351	2.51	-	34.41	6.88	35.00
PK	5.746G	112.85	Inf	-Inf	106.74	3	Vertical	351	2.51	-	34.30	6.83	35.02
AV	5.744G	101.12	Inf	-Inf	95.01	3	Vertical	351	2.51	-	34.30	6.83	35.02
PK	5.94G	59.20	68.20	-9.00	52.75	3	Vertical	351	2.51	-	34.62	6.87	35.04

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

11/12/2019



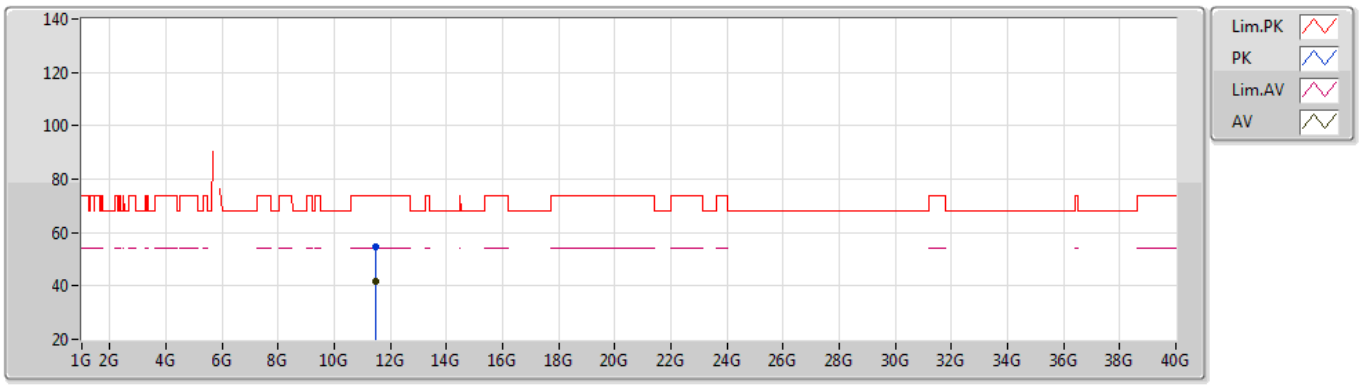
EUT X_4TX
Setting 24
03-C-M-1-10

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	5.642G	60.26	68.20	-7.94	54.02	3	Horizontal	279	1.40	-	34.36	6.88	35.00
PK	5.744G	123.03	Inf	-Inf	116.92	3	Horizontal	279	1.40	-	34.30	6.83	35.02
AV	5.748G	111.22	Inf	-Inf	105.11	3	Horizontal	279	1.40	-	34.30	6.83	35.02
PK	5.988G	60.79	68.20	-7.41	54.19	3	Horizontal	279	1.40	-	34.76	6.89	35.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

11/12/2019



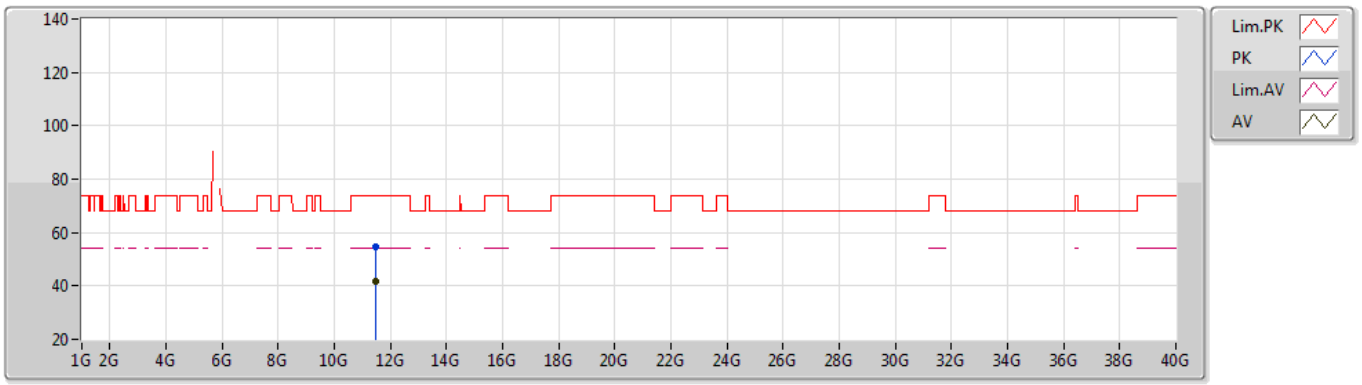
EUT X_4TX
Setting 24
03-C-B-4

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	11.48542G	54.58	74.00	-19.42	40.84	3	Vertical	284	1.48	-	38.84	9.68	34.78
AV	11.4858G	41.48	54.00	-12.52	27.74	3	Vertical	284	1.48	-	38.84	9.68	34.78

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

11/12/2019



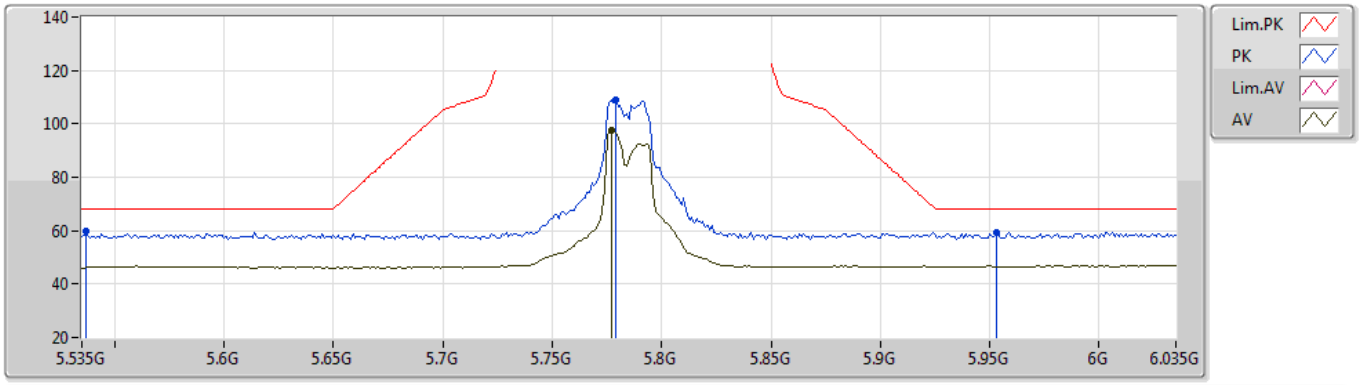
EUT X_4TX
Setting 24
03-C-B-4

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	11.49564G	54.73	74.00	-19.27	40.98	3	Horizontal	151	1.83	-	38.85	9.68	34.78
AV	11.48874G	41.56	54.00	-12.44	27.82	3	Horizontal	151	1.83	-	38.84	9.68	34.78

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

11/12/2019



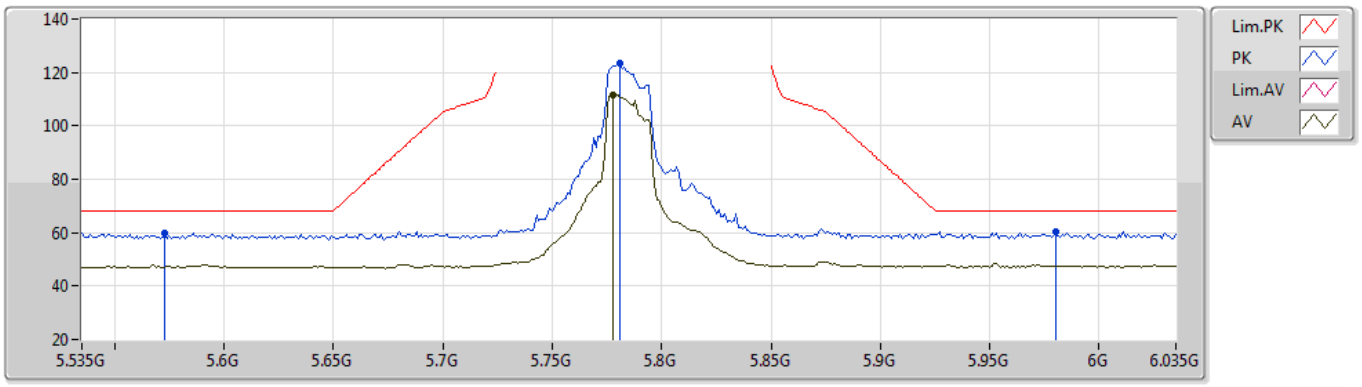
EUT X_4TX
Setting 24
03-C-M-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.537G	59.83	68.20	-8.37	53.55	3	Vertical	175	2.68	-	34.46	6.81	34.99
PK	5.779G	109.16	Inf	-Inf	103.08	3	Vertical	175	2.68	-	34.30	6.81	35.03
AV	5.777G	97.83	Inf	-Inf	91.75	3	Vertical	175	2.68	-	34.30	6.81	35.03
PK	5.953G	59.32	68.20	-8.88	52.83	3	Vertical	175	2.68	-	34.66	6.88	35.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

11/12/2019



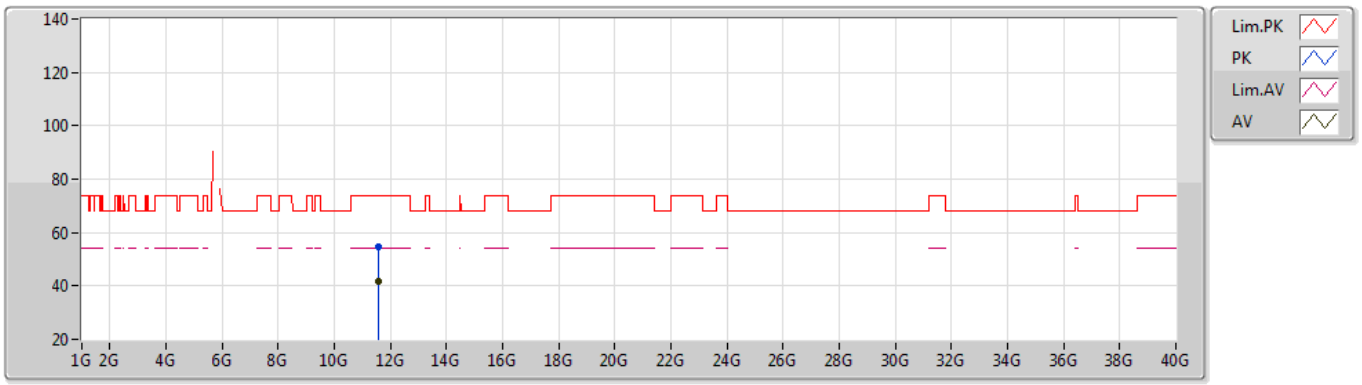
EUT X_4TX
Setting 24
03-C-M-1-10

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	5.573G	60.03	68.20	-8.17	53.74	3	Horizontal	58	1.57	-	34.43	6.86	35.00
PK	5.781G	123.56	Inf	-Inf	117.48	3	Horizontal	58	1.57	-	34.30	6.81	35.03
AV	5.778G	111.50	Inf	-Inf	105.42	3	Horizontal	58	1.57	-	34.30	6.81	35.03
PK	5.98G	60.46	68.20	-7.74	53.88	3	Horizontal	58	1.57	-	34.74	6.89	35.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

11/12/2019



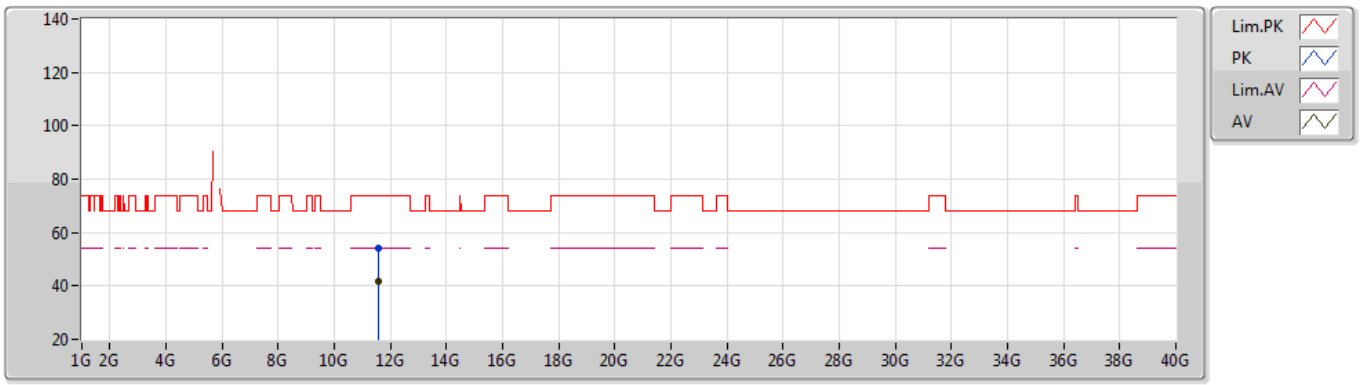
EUT X_4TX
Setting 24
03-C-B-4

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	11.57642G	54.77	74.00	-19.23	40.96	3	Vertical	43	1.74	-	38.90	9.70	34.79
AV	11.57646G	41.51	54.00	-12.49	27.70	3	Vertical	43	1.74	-	38.90	9.70	34.79

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

11/12/2019



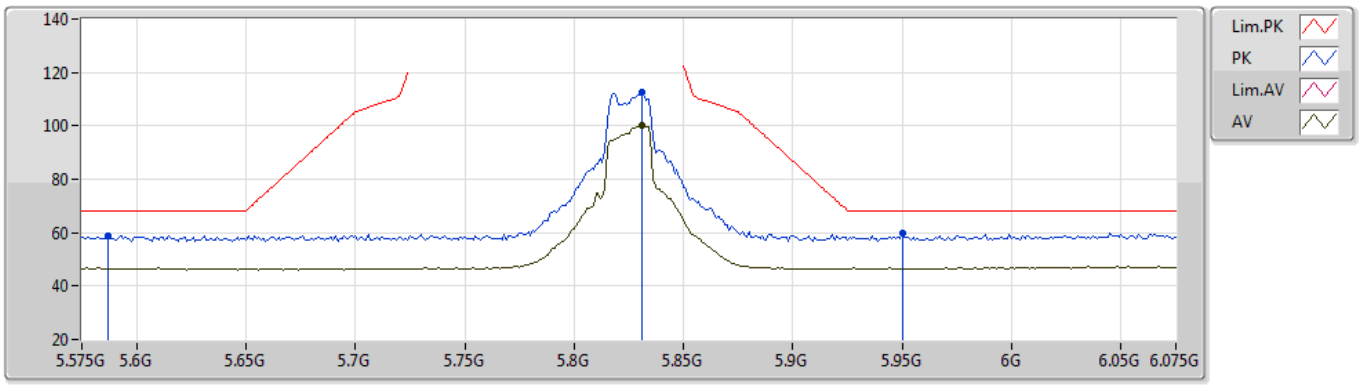
EUT X_4TX
Setting 24
03-C-B-4

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	11.57528G	54.39	74.00	-19.61	40.58	3	Horizontal	321	1.50	-	38.90	9.70	34.79
AV	11.5753G	41.61	54.00	-12.39	27.80	3	Horizontal	321	1.50	-	38.90	9.70	34.79

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

11/12/2019



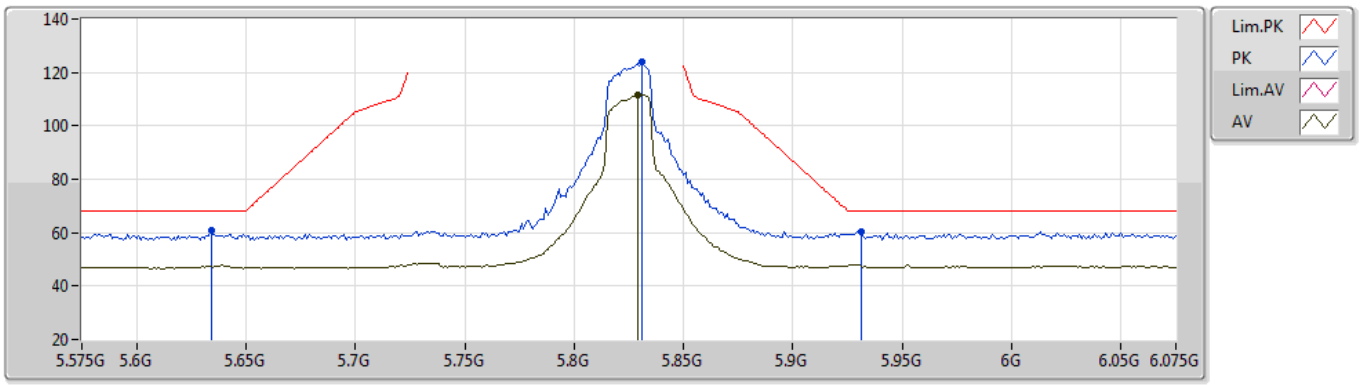
EUT X_4TX
Setting 24
03-C-M-1-10

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	5.587G	58.78	68.20	-9.42	52.49	3	Vertical	20	2.64	-	34.41	6.88	35.00
PK	5.831G	112.77	Inf	-Inf	106.62	3	Vertical	20	2.64	-	34.36	6.82	35.03
AV	5.831G	100.06	Inf	-Inf	93.91	3	Vertical	20	2.64	-	34.36	6.82	35.03
PK	5.95G	59.72	68.20	-8.48	53.25	3	Vertical	20	2.64	-	34.65	6.87	35.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

11/12/2019



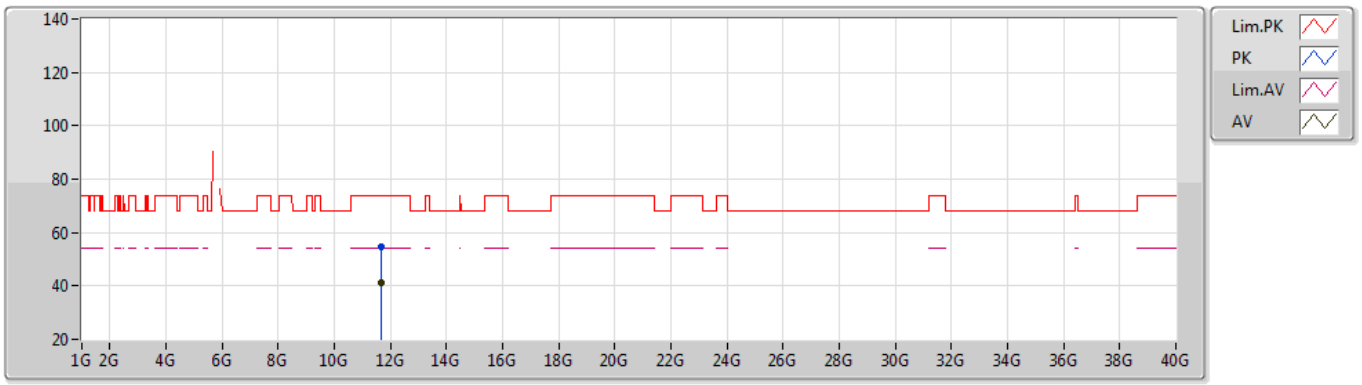
EUT X_4TX
Setting 24
03-C-M-1-10

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	5.634G	60.95	68.20	-7.25	54.70	3	Horizontal	277	1.16	-	34.37	6.88	35.00
PK	5.831G	123.79	Inf	-Inf	117.64	3	Horizontal	277	1.16	-	34.36	6.82	35.03
AV	5.829G	111.72	Inf	-Inf	105.58	3	Horizontal	277	1.16	-	34.36	6.81	35.03
PK	5.931G	60.29	68.20	-7.91	53.87	3	Horizontal	277	1.16	-	34.59	6.87	35.04

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

11/12/2019



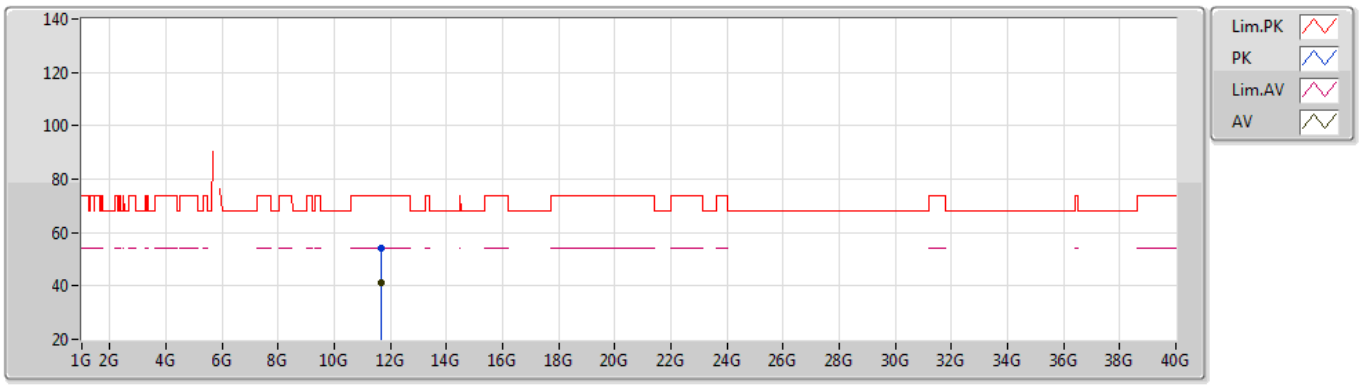
EUT X_4TX
Setting 24
03-C-B-4

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	11.6564G	54.86	74.00	-19.14	40.99	3	Vertical	186	1.95	-	38.96	9.72	34.81
AV	11.6553G	41.26	54.00	-12.74	27.38	3	Vertical	186	1.95	-	38.96	9.72	34.80

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

11/12/2019



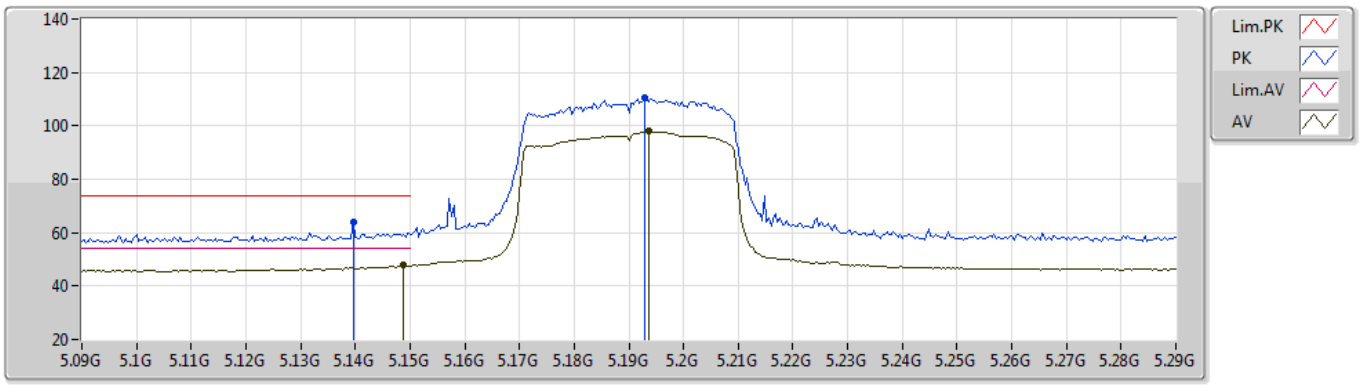
EUT X_4TX
Setting 24
03-C-B-4

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	11.65784G	54.23	74.00	-19.77	40.36	3	Horizontal	193	1.64	-	38.96	9.72	34.81
AV	11.65764G	41.16	54.00	-12.84	27.29	3	Horizontal	193	1.64	-	38.96	9.72	34.81

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

11/12/2019



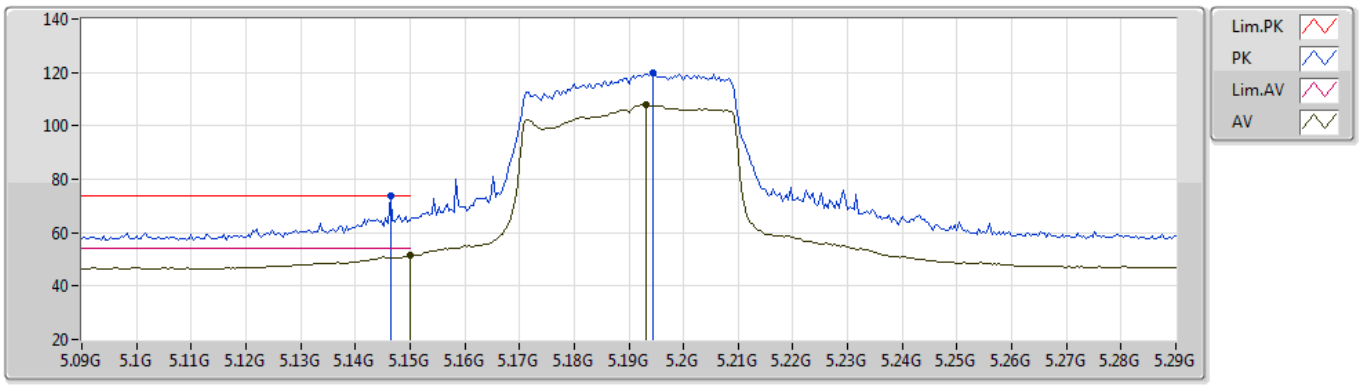
EUT X_4TX
Setting 22
03-C-M-1-10

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	5.1396G	64.05	74.00	-9.95	58.39	3	Vertical	6	2.72	-	34.04	6.59	34.97
AV	5.1488G	47.69	54.00	-6.31	42.00	3	Vertical	6	2.72	-	34.05	6.61	34.97
PK	5.1928G	110.41	Inf	-Inf	104.61	3	Vertical	6	2.72	-	34.09	6.69	34.98
AV	5.1936G	97.88	Inf	-Inf	92.08	3	Vertical	6	2.72	-	34.09	6.69	34.98

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

11/12/2019



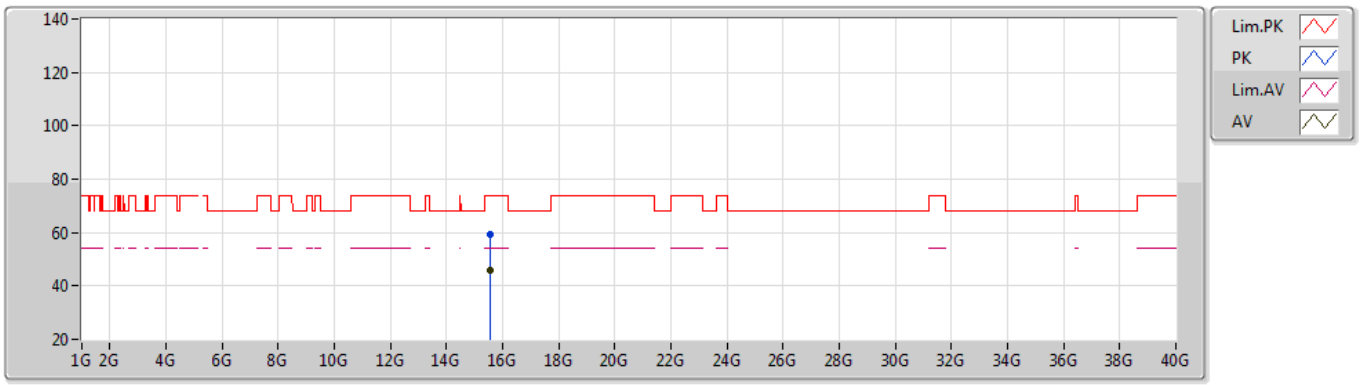
EUT X_4TX
Setting 22
03-C-M-1-10

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	5.1464G	73.83	74.00	-0.17	68.15	3	Horizontal	289	1.80	-	34.05	6.60	34.97
AV	5.15G	51.43	54.00	-2.57	45.74	3	Horizontal	289	1.80	-	34.05	6.61	34.97
PK	5.1944G	119.96	Inf	-Inf	114.16	3	Horizontal	289	1.80	-	34.09	6.69	34.98
AV	5.1932G	107.70	Inf	-Inf	101.90	3	Horizontal	289	1.80	-	34.09	6.69	34.98

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

11/12/2019



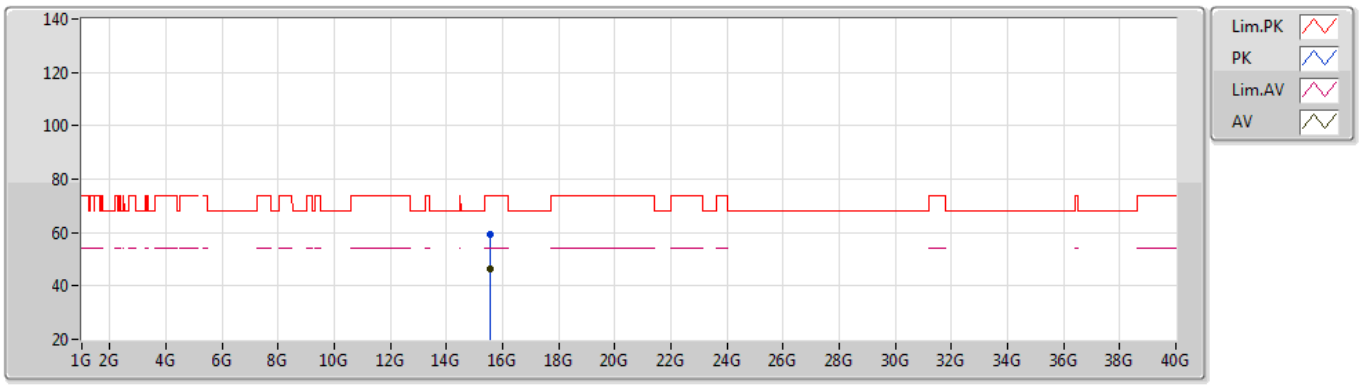
EUT X_4TX
Setting 22
03-C-B-4

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	15.57202G	59.31	74.00	-14.69	45.18	3	Vertical	262	1.89	-	38.78	10.36	35.01
AV	15.57254G	46.03	54.00	-7.97	31.90	3	Vertical	262	1.89	-	38.78	10.36	35.01

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

11/12/2019

5190MHz_TX



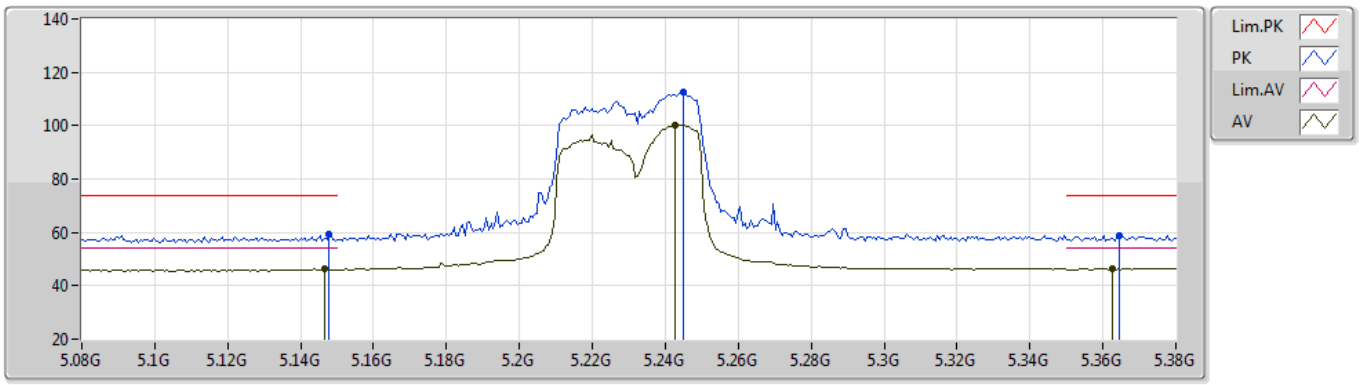
EUT X_4TX
Setting 22
03-C-B-4

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	15.5726G	59.12	74.00	-14.88	44.99	3	Horizontal	338	1.51	-	38.78	10.36	35.01
AV	15.5728G	46.14	54.00	-7.86	32.01	3	Horizontal	338	1.51	-	38.78	10.36	35.01

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

11/12/2019



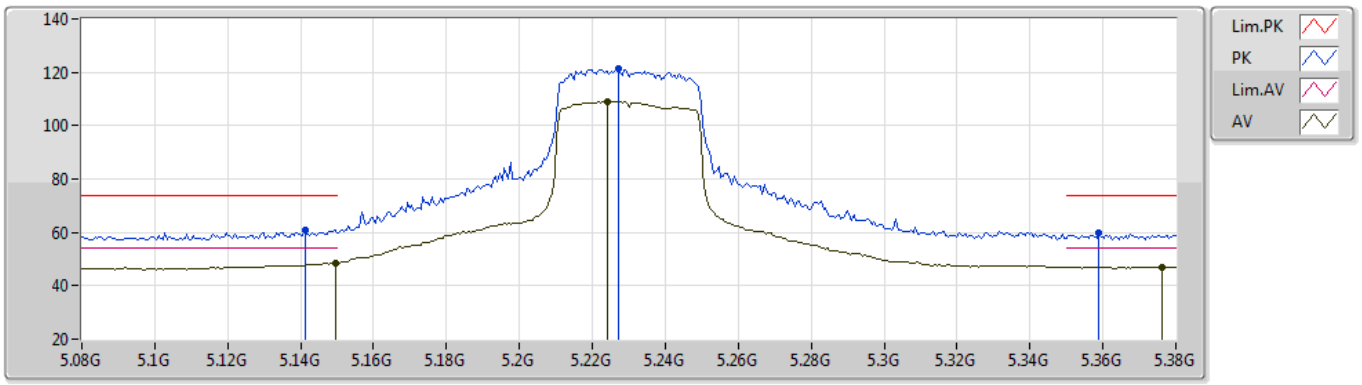
EUT X_4TX
Setting 23
03-C-M-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1478G	59.56	74.00	-14.44	53.87	3	Vertical	17	2.95	-	34.05	6.61	34.97
AV	5.1466G	46.22	54.00	-7.78	40.54	3	Vertical	17	2.95	-	34.05	6.60	34.97
PK	5.245G	112.67	Inf	-Inf	106.78	3	Vertical	17	2.95	-	34.19	6.68	34.98
AV	5.2426G	100.32	Inf	-Inf	94.43	3	Vertical	17	2.95	-	34.19	6.68	34.98
PK	5.3644G	59.01	74.00	-14.99	53.02	3	Vertical	17	2.95	-	34.36	6.62	34.99
AV	5.3626G	46.44	54.00	-7.56	40.45	3	Vertical	17	2.95	-	34.36	6.62	34.99

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

11/12/2019



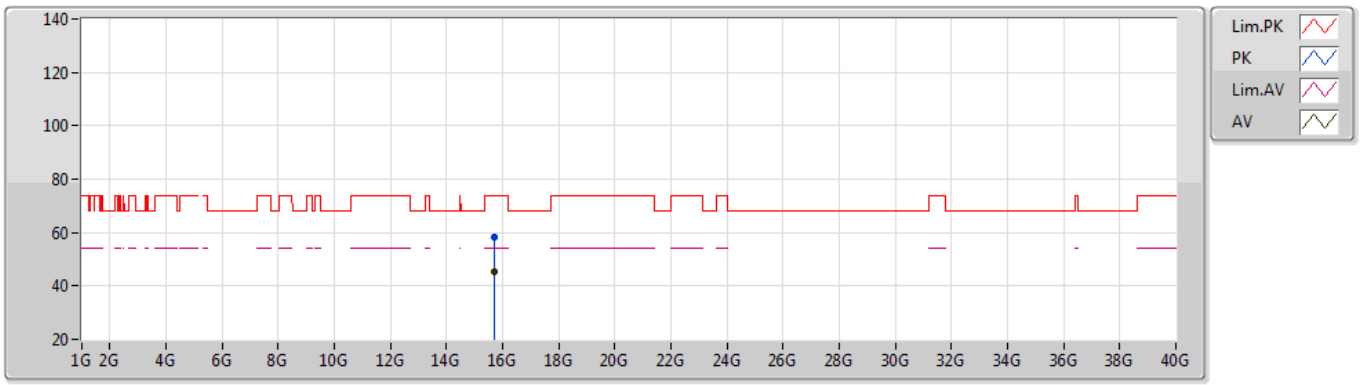
EUT X_4TX
Setting 23
03-C-M-1-10

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	5.1412G	60.89	74.00	-13.11	55.23	3	Horizontal	291	1.37	-	34.04	6.59	34.97
AV	5.1496G	48.51	54.00	-5.49	42.82	3	Horizontal	291	1.37	-	34.05	6.61	34.97
PK	5.227G	121.22	Inf	-Inf	115.36	3	Horizontal	291	1.37	-	34.15	6.69	34.98
AV	5.224G	108.88	Inf	-Inf	103.02	3	Horizontal	291	1.37	-	34.15	6.69	34.98
PK	5.359G	59.60	74.00	-14.40	53.61	3	Horizontal	291	1.37	-	34.36	6.62	34.99
AV	5.3764G	47.12	54.00	-6.88	41.12	3	Horizontal	291	1.37	-	34.38	6.61	34.99

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

11/12/2019



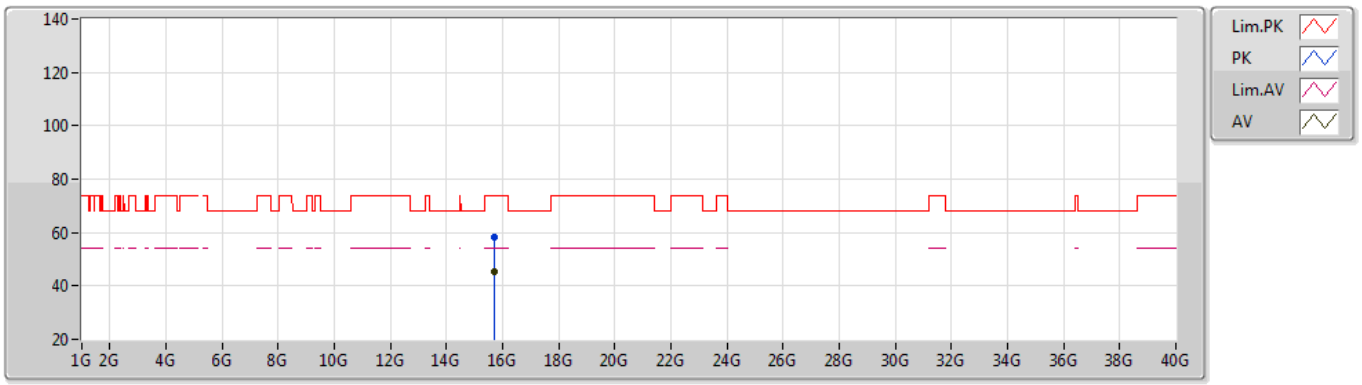
EUT X_4TX
Setting 23
03-C-B-4

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	15.6865G	58.34	74.00	-15.66	44.69	3	Vertical	121	1.59	-	38.44	10.34	35.13
AV	15.68668G	45.34	54.00	-8.66	31.69	3	Vertical	121	1.59	-	38.44	10.34	35.13

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

11/12/2019



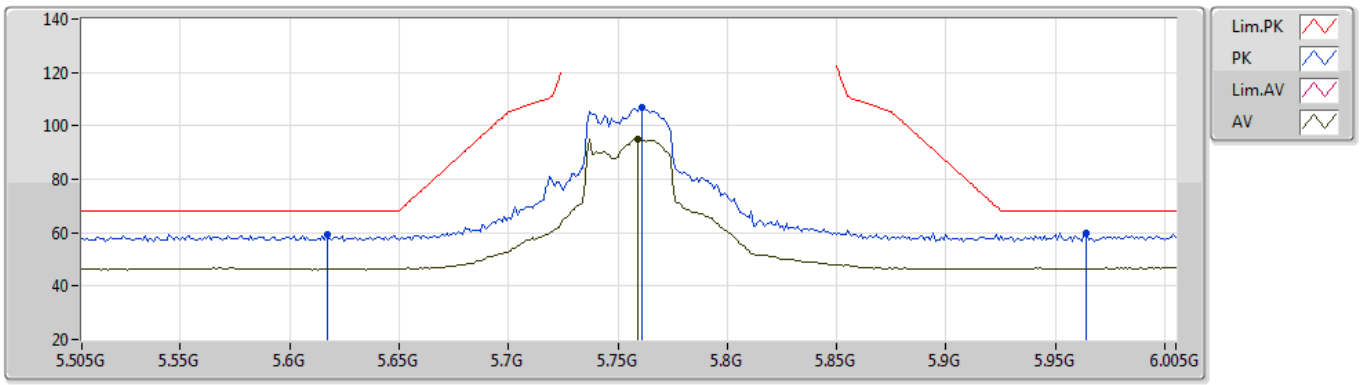
EUT X_4TX
Setting 23
03-C-B-4

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	15.69086G	58.23	74.00	-15.77	44.59	3	Horizontal	142	1.06	-	38.43	10.34	35.13
AV	15.69031G	45.22	54.00	-8.78	31.58	3	Horizontal	142	1.06	-	38.43	10.34	35.13

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

11/12/2019

5755MHz_TX



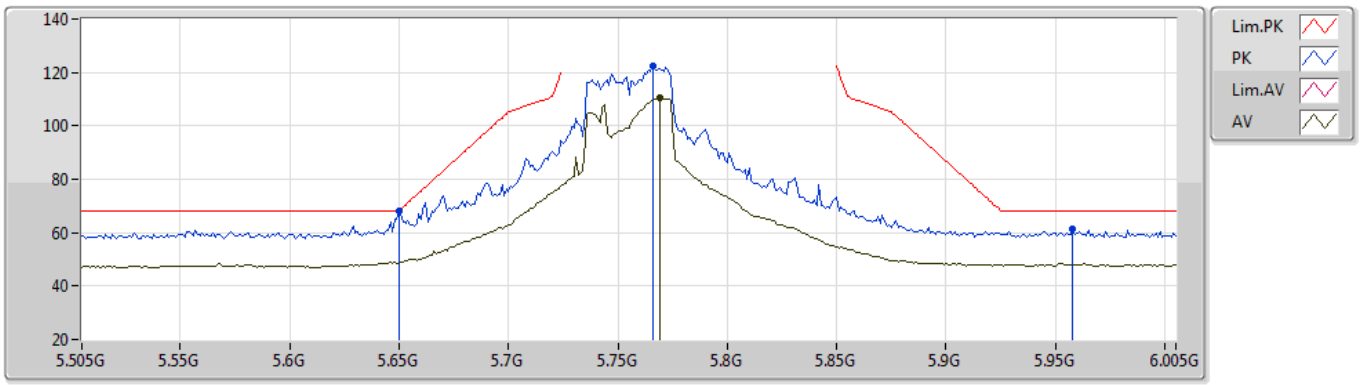
EUT X_4TX
Setting 22
03-C-M-1-10

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	5.617G	59.31	68.20	-8.89	53.04	3	Vertical	209	2.02	-	34.38	6.89	35.00
PK	5.761G	106.75	Inf	-Inf	100.65	3	Vertical	209	2.02	-	34.30	6.82	35.02
AV	5.759G	95.22	Inf	-Inf	89.12	3	Vertical	209	2.02	-	34.30	6.82	35.02
PK	5.964G	60.00	68.20	-8.20	53.48	3	Vertical	209	2.02	-	34.69	6.88	35.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

11/12/2019

5755MHz_TX



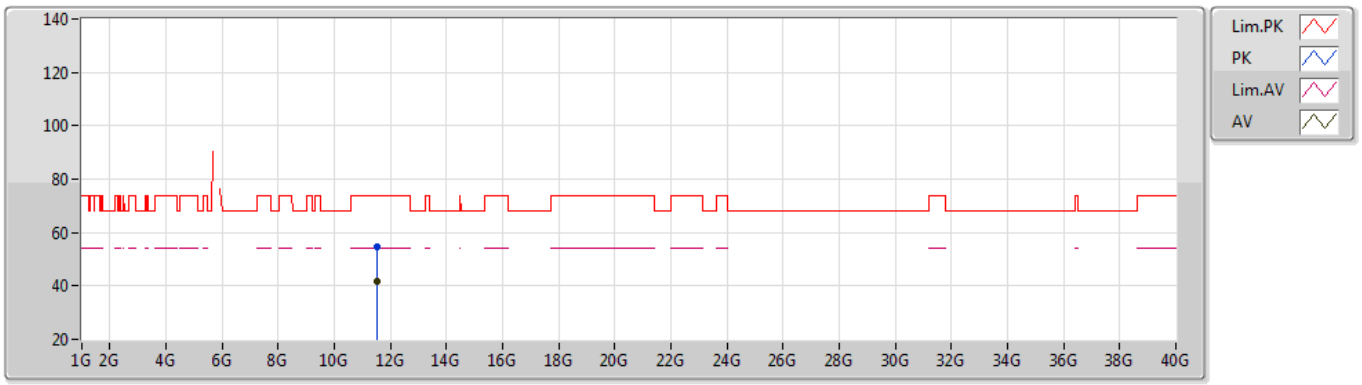
EUT X_4TX
Setting 22
03-C-M-1-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.65G	67.89	68.20	-0.31	61.67	3	Horizontal	57	1.88	-	34.35	6.87	35.00
PK	5.766G	122.56	Inf	-Inf	116.46	3	Horizontal	57	1.88	-	34.30	6.82	35.02
AV	5.769G	110.48	Inf	-Inf	104.38	3	Horizontal	57	1.88	-	34.30	6.82	35.02
PK	5.958G	61.49	68.20	-6.71	54.99	3	Horizontal	57	1.88	-	34.67	6.88	35.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

11/12/2019



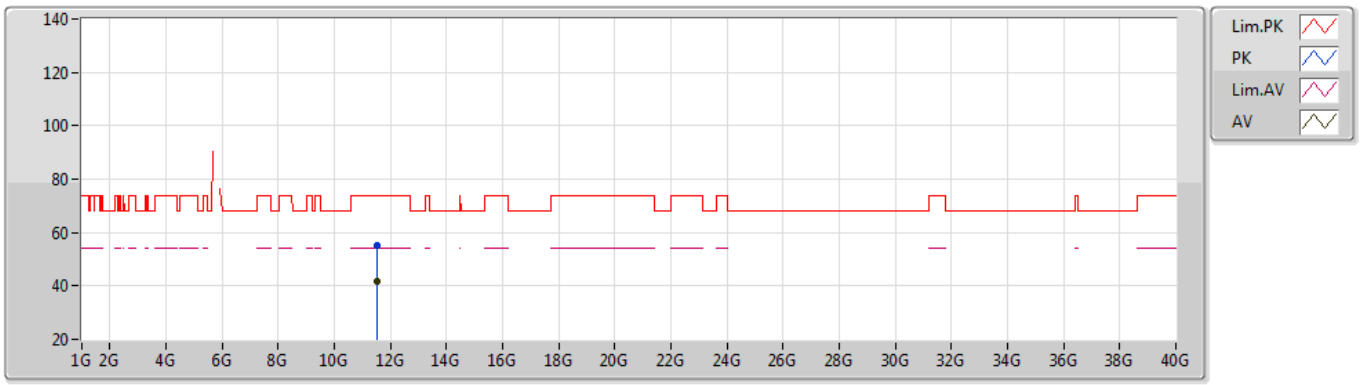
EUT X_4TX
Setting 22
03-C-B-4

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	11.51078G	54.86	74.00	-19.14	41.10	3	Vertical	315	2.20	-	38.86	9.68	34.78
AV	11.51276G	41.57	54.00	-12.43	27.81	3	Vertical	315	2.20	-	38.86	9.68	34.78

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

11/12/2019



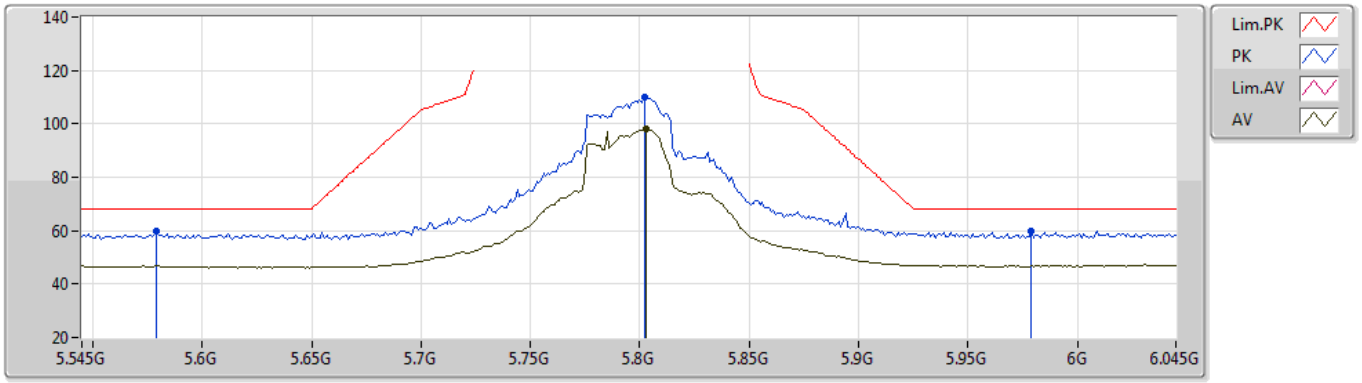
EUT X_4TX
Setting 22
03-C-B-4

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	11.51038G	55.24	74.00	-18.76	41.48	3	Horizontal	107	1.17	-	38.86	9.68	34.78
AV	11.51028G	41.60	54.00	-12.40	27.84	3	Horizontal	107	1.17	-	38.86	9.68	34.78

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

11/12/2019

5795MHz_TX



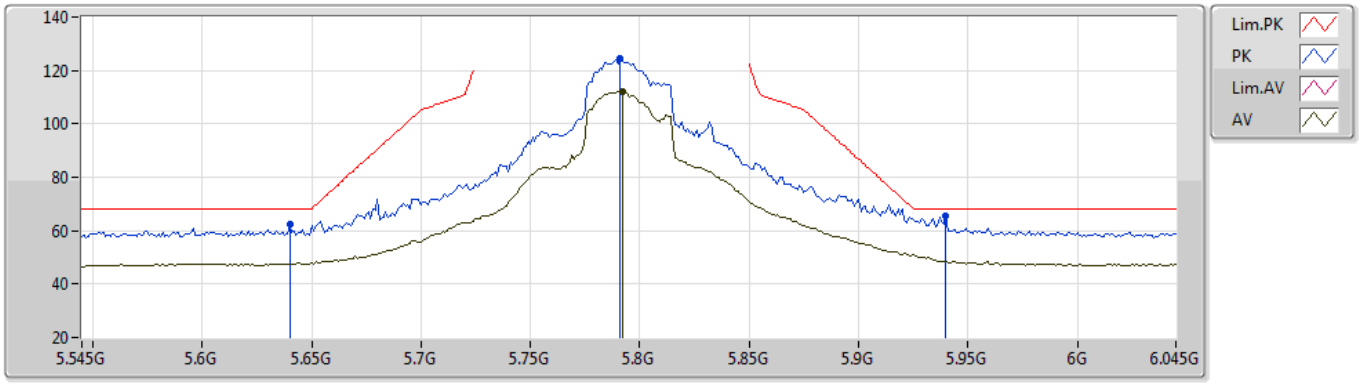
EUT X_4TX
Setting 24
03-C-M-1-10

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	5.579G	59.88	68.20	-8.32	53.59	3	Vertical	199	1.04	-	34.42	6.87	35.00
PK	5.802G	109.92	Inf	-Inf	103.85	3	Vertical	199	1.04	-	34.30	6.80	35.03
AV	5.803G	97.91	Inf	-Inf	91.83	3	Vertical	199	1.04	-	34.31	6.80	35.03
PK	5.979G	59.73	68.20	-8.47	53.15	3	Vertical	199	1.04	-	34.74	6.89	35.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

11/12/2019



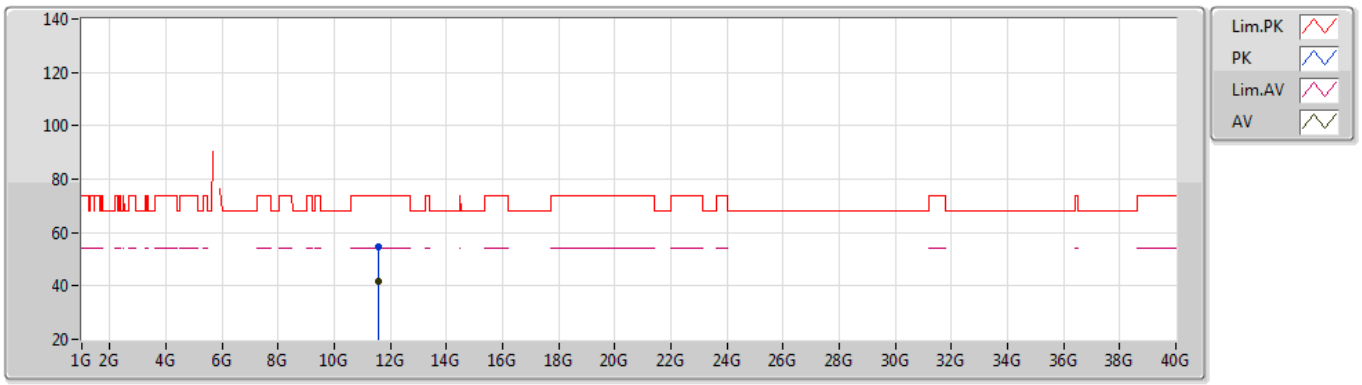
EUT X_4TX
Setting 24
03-C-M-1-10

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	5.64G	62.36	68.20	-5.84	56.12	3	Horizontal	313	1.24	-	34.36	6.88	35.00
PK	5.791G	124.33	Inf	-Inf	118.26	3	Horizontal	313	1.24	-	34.30	6.80	35.03
AV	5.792G	112.08	Inf	-Inf	106.01	3	Horizontal	313	1.24	-	34.30	6.80	35.03
PK	5.94G	65.29	68.20	-2.91	58.84	3	Horizontal	313	1.24	-	34.62	6.87	35.04

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

11/12/2019



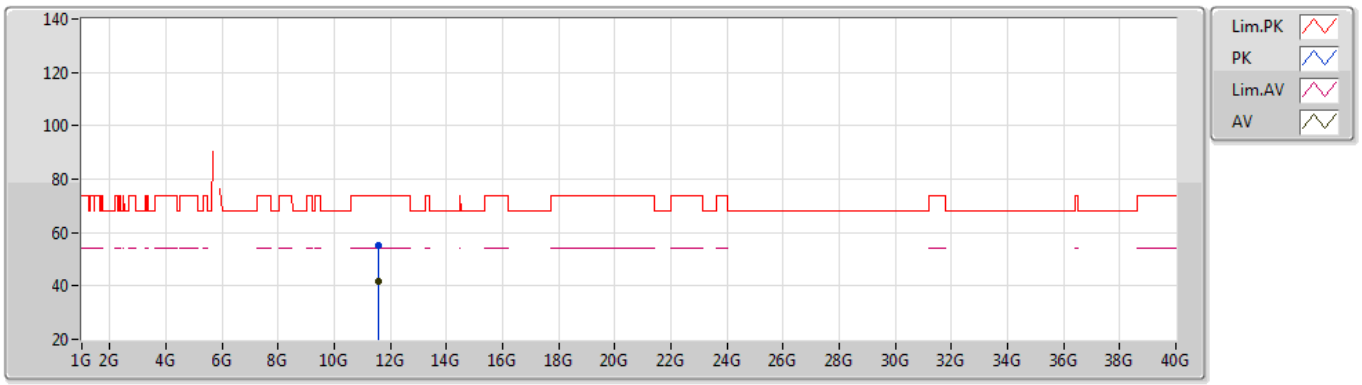
EUT X_4TX
Setting 24
03-C-B-4

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	11.59118G	54.84	74.00	-19.16	41.02	3	Vertical	48	2.26	-	38.91	9.70	34.79
AV	11.5912G	41.70	54.00	-12.30	27.88	3	Vertical	48	2.26	-	38.91	9.70	34.79

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

11/12/2019



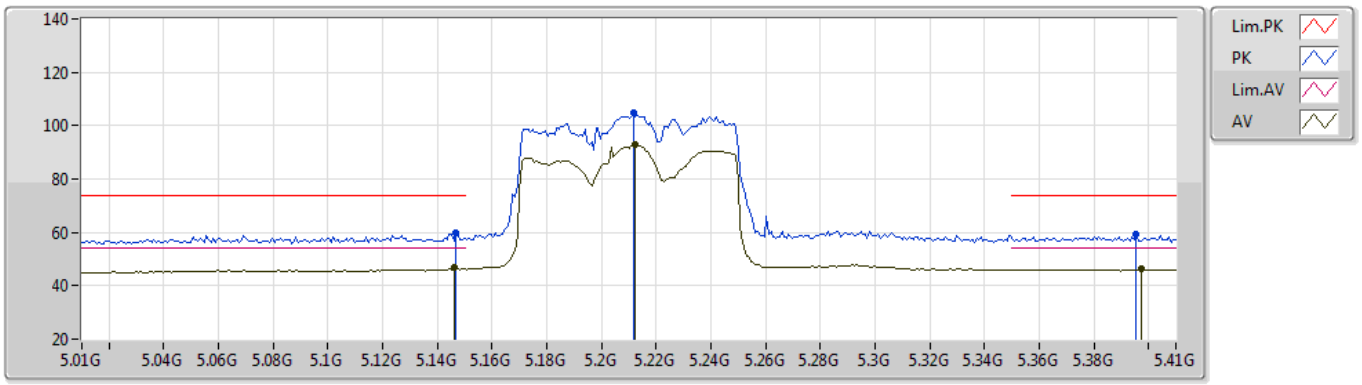
EUT X_4TX
Setting 24
03-C-B-4

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	11.58622G	54.92	74.00	-19.08	41.10	3	Horizontal	146	2.42	-	38.91	9.70	34.79
AV	11.5867G	41.74	54.00	-12.26	27.92	3	Horizontal	146	2.42	-	38.91	9.70	34.79

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

11/12/2019



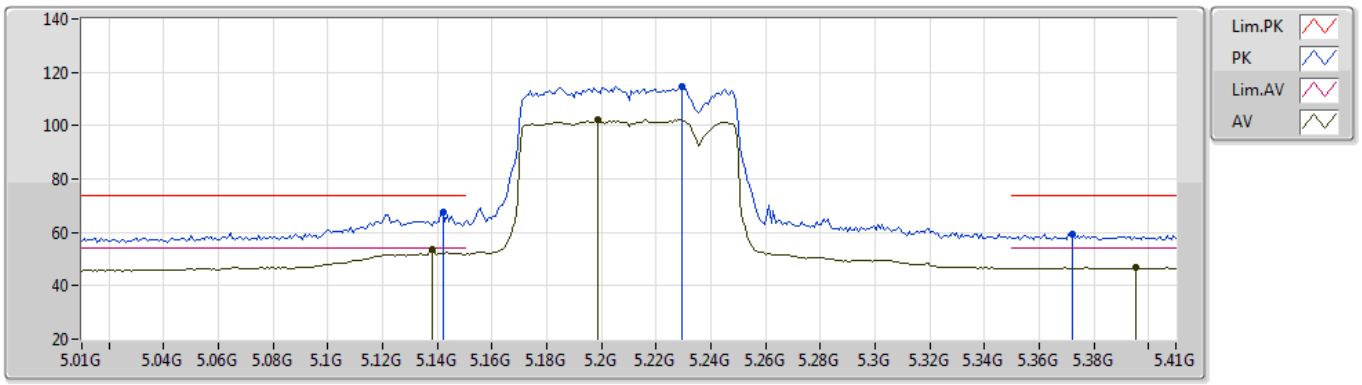
EUT X_4TX
Setting 21
03-C-B-4-10

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	5.1468G	59.74	74.00	-14.26	54.06	3	Vertical	353	2.88	-	34.05	6.60	34.97
AV	5.146G	46.69	54.00	-7.31	41.01	3	Vertical	353	2.88	-	34.05	6.60	34.97
PK	5.2116G	104.69	Inf	-Inf	98.86	3	Vertical	353	2.88	-	34.12	6.69	34.98
AV	5.2124G	92.94	Inf	-Inf	87.11	3	Vertical	353	2.88	-	34.12	6.69	34.98
PK	5.3956G	59.27	74.00	-14.73	53.26	3	Vertical	353	2.88	-	34.40	6.60	34.99
AV	5.3972G	46.17	54.00	-7.83	40.16	3	Vertical	353	2.88	-	34.40	6.60	34.99

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

11/12/2019

5210MHz_TX



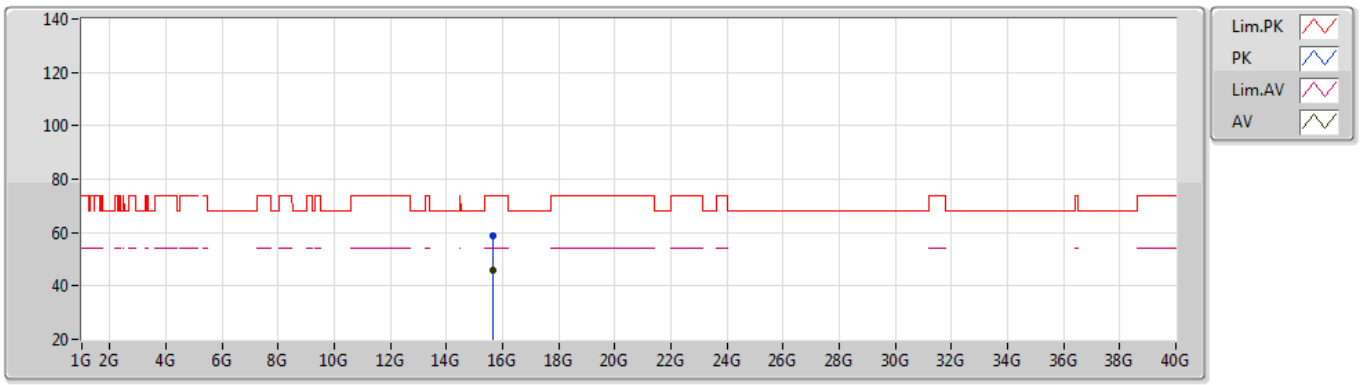
EUT X_4TX
Setting 21
03-C-B-4-10

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	5.142G	67.64	74.00	-6.36	61.97	3	Horizontal	290	1.33	-	34.04	6.60	34.97
AV	5.138G	53.83	54.00	-0.17	48.17	3	Horizontal	290	1.33	-	34.04	6.59	34.97
PK	5.2292G	114.73	Inf	-Inf	108.86	3	Horizontal	290	1.33	-	34.16	6.69	34.98
AV	5.1988G	102.46	Inf	-Inf	96.64	3	Horizontal	290	1.33	-	34.10	6.70	34.98
PK	5.3724G	59.33	74.00	-14.67	53.34	3	Horizontal	290	1.33	-	34.37	6.61	34.99
AV	5.3956G	46.76	54.00	-7.24	40.75	3	Horizontal	290	1.33	-	34.40	6.60	34.99

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

11/12/2019



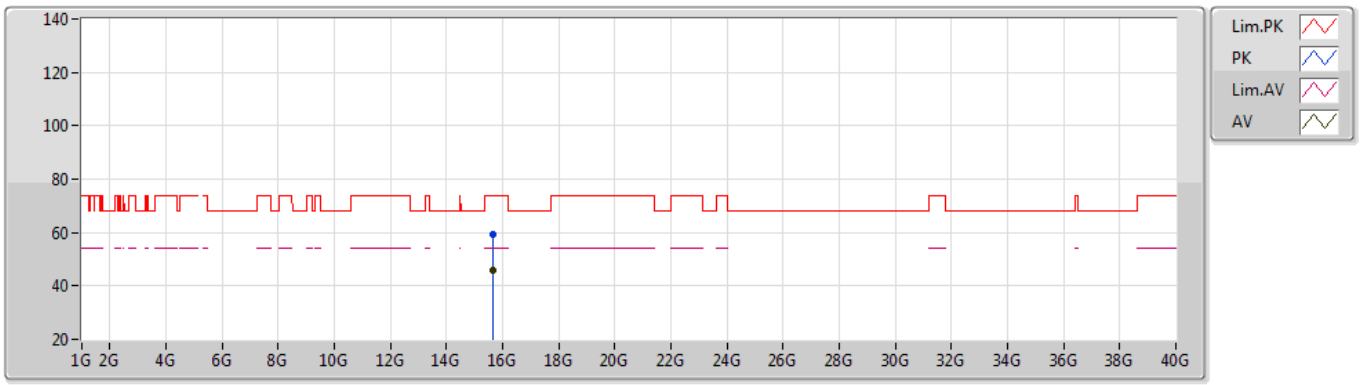
EUT X_4TX
Setting 21
03-C-B-4

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	15.6325G	58.86	74.00	-15.14	44.98	3	Vertical	201	1.72	-	38.60	10.35	35.07
AV	15.6335G	46.12	54.00	-7.88	32.24	3	Vertical	201	1.72	-	38.60	10.35	35.07

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

11/12/2019



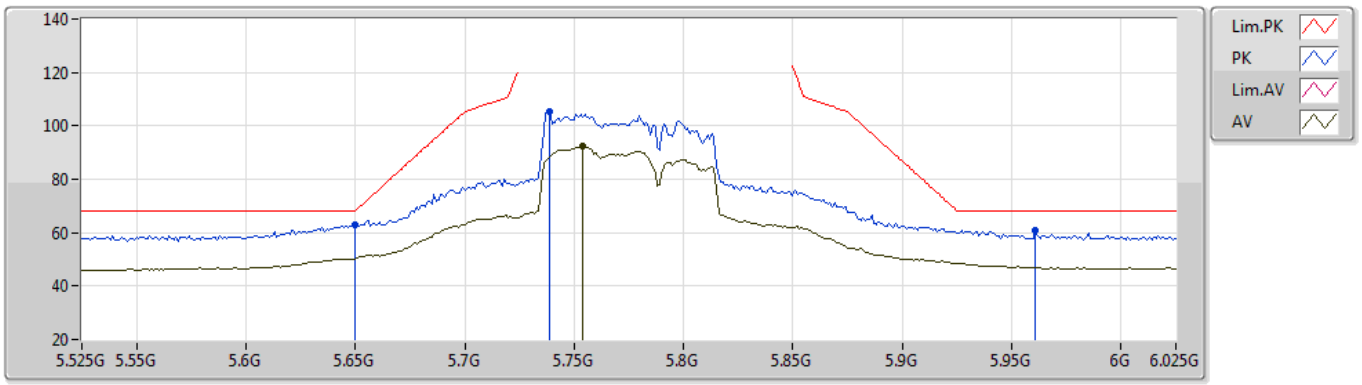
EUT X_4TX
Setting 21
03-C-B-4

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	15.6315G	59.29	74.00	-14.71	45.40	3	Horizontal	250	1.34	-	38.61	10.35	35.07
AV	15.6329G	45.82	54.00	-8.18	31.94	3	Horizontal	250	1.34	-	38.60	10.35	35.07

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

11/12/2019

5775MHz_TX



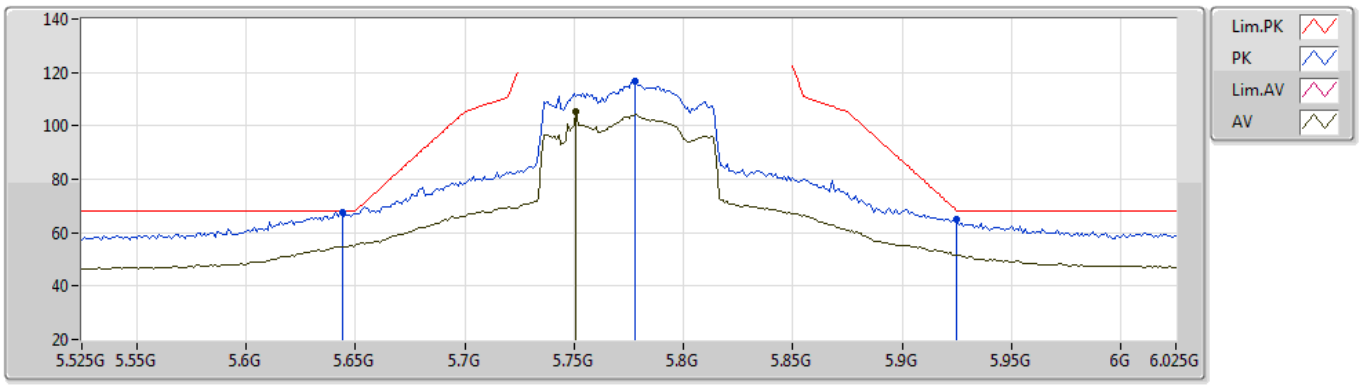
EUT X_4TX
Setting 21
03-C-B-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.65G	62.98	68.20	-5.22	56.76	3	Vertical	172	2.49	-	34.35	6.87	35.00
PK	5.739G	105.39	Inf	-Inf	99.28	3	Vertical	172	2.49	-	34.30	6.83	35.02
AV	5.754G	92.29	Inf	-Inf	86.19	3	Vertical	172	2.49	-	34.30	6.82	35.02
PK	5.961G	60.93	68.20	-7.27	54.42	3	Vertical	172	2.49	-	34.68	6.88	35.05

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

11/12/2019

5775MHz_TX



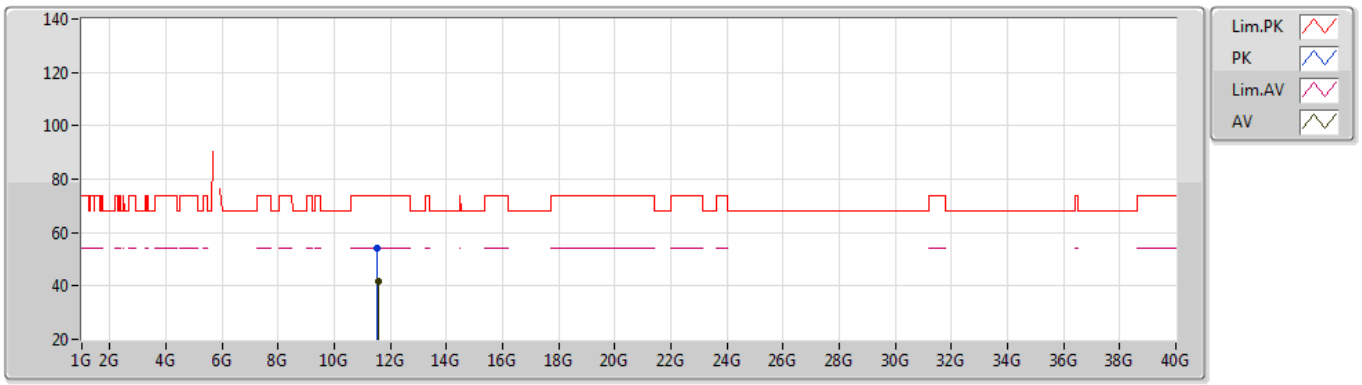
EUT X_4TX
Setting 21
03-C-B-4-10

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	5.644G	67.64	68.20	-0.56	61.40	3	Horizontal	54	2.26	-	34.36	6.88	35.00
PK	5.778G	116.52	Inf	-Inf	110.44	3	Horizontal	54	2.26	-	34.30	6.81	35.03
AV	5.751G	105.23	Inf	-Inf	99.13	3	Horizontal	54	2.26	-	34.30	6.82	35.02
PK	5.925G	65.11	68.20	-3.09	58.71	3	Horizontal	54	2.26	-	34.58	6.86	35.04

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

11/12/2019



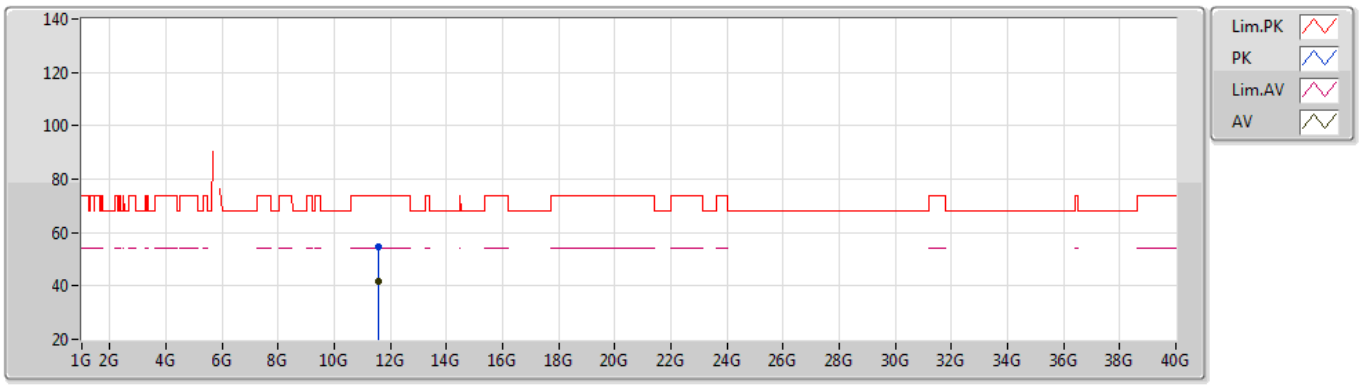
EUT X_4TX
Setting 21
03-C-B-4

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	11.54844G	54.35	74.00	-19.65	40.57	3	Vertical	197	1.17	-	38.88	9.69	34.79
AV	11.56314G	41.65	54.00	-12.35	27.85	3	Vertical	197	1.17	-	38.89	9.70	34.79

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

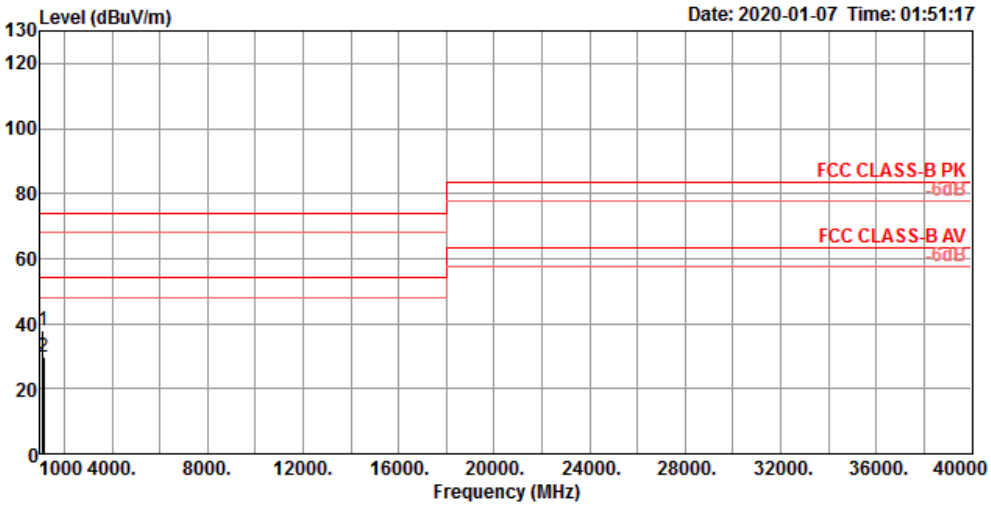
11/12/2019



EUT X_4TX
Setting 21
03-C-B-4

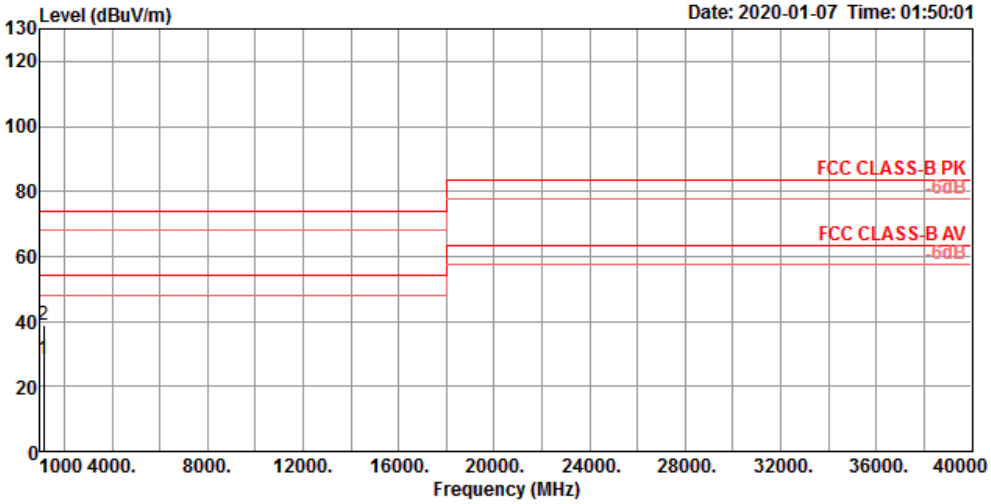
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5584G	54.51	74.00	-19.49	40.72	3	Horizontal	255	2.31	-	38.89	9.69	34.79
AV	11.55528G	41.54	54.00	-12.46	27.75	3	Horizontal	255	2.31	-	38.89	9.69	34.79

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1124.24	38.05	74.00	-35.95	47.12	2.78	24.96	36.81	102	113	Peak	HORIZONTAL
2	1124.80	29.86	54.00	-24.14	38.93	2.78	24.96	36.81	102	113	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1125.02	28.20	54.00	-25.80	37.27	2.78	24.96	36.81	138	337	Average	VERTICAL
2	1126.46	38.95	74.00	-35.05	48.02	2.78	24.96	36.81	138	337	Peak	VERTICAL