



FCC RADIO TEST REPORT

FCC ID : 2AW26TR-WIFICMD-X
Equipment : Wi-Fi sensor
Brand Name : Origin Wireless Taiwan Corporation
Model Name : Hex Command
Applicant : Origin Wireless Taiwan Corp.
3F A1-1 No. 1, Lixing 1st. Rd., Easr Dist. Hsinchu
City 300, Taiwan
Manufacturer : Wistron NeWeb Corporation
20 Park Avenue II (or Yuanchiu 2nd Rd.), Hsinchu
Science Park, Hsinchu 308, Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on May 06, 2020, and testing was started from May 11, 2020 and completed on May 19, 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 test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

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



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History of this test report

[illegible]



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
Reference to Sporton Project No.: 050538.				

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: Cindy Peng



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

Note:

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

**1.1.2 Antenna Information**

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	WNC	OWS1200	PIFA	I-PEX	3.17	4.58
2	2	WNC	OWS1200	PIFA	I-PEX	3.06	5.07

Note: The above information was declared by manufacturer.

For 2.4GHz function:**For IEEE 802.11b/g/n/VHT (2TX/2RX):**

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

Pot 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:**For IEEE 802.11a/n/ac (2TX/2RX):**

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

Pot 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.968	0.14	2.065m	1k
802.11ac VHT20	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.969	0.14	2.437m	1k
802.11ac VHT80	0.937	0.28	1.15m	1k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☒	Client
Test Software Version	QRCT (Version:4.0.00123)			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT support function

Function
Master (AP)
Client without radar detection



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

Testing Location				
☐	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	TEL : 886-3-327-3456	FAX : 886-3-327-0973
☒	JHUBEI	ADD : No.8, 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	TH02-CB	Benson Su	23.2-24°C / 59-62 %	May 13, 2020~ May 19, 2020
Radiated <Below 1GHz>	03CH04-CB	Eason Chen	21.9-22.7°C / 56-58%	May 14, 2020
Radiated <Above 1GHz>	03CH03-CB 03CH04-CB 03CH06-CB	Brian Sun	23.7-24.6°C / 58-62%	May 11, 2020~ May 18, 2020
AC Conduction	CO01-CB	GN Hou	23~25°C / 64~66%	May 11, 2020

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

<Master>

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	20
5200MHz	23.5
5240MHz	23.5
5745MHz	20
5785MHz	20
5825MHz	18.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	24
5240MHz	24
5745MHz	19.5
5785MHz	18
5825MHz	19
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	18.5
5230MHz	23
5755MHz	20
5795MHz	20
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	16
5775MHz	22

**<Client without radar detection>**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	19
5200MHz	19
5240MHz	19.5
5745MHz	20
5785MHz	20
5825MHz	18.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	19
5200MHz	19
5240MHz	19.5
5745MHz	19.5
5785MHz	18
5825MHz	19
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	18.5
5230MHz	21.5
5755MHz	20
5795MHz	20
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	16
5775MHz	22

Note:

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than VHT20 and VHT40.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	Normal Link <Master>: EUT
2	Normal Link <Client without radar detection>: EUT
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Unwanted Emissions
Test Condition	Conducted measurement at transmit chains
1	Master
2	Client without radar detection

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	Normal Link <Master>: Place EUT in Z axis
2	Normal Link <Master>: Place EUT in Y axis
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	Normal Link <Client without radar detection>: Place EUT in Y axis
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position. The worst case was found at Y axis, thus the measurement 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 + WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz <Master>
2	WLAN 2.4GHz + WLAN 5GHz <Client without radar detection>
Refer to Sporton Test Report No.: FA050538-02 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	LEI	MU12B1120100-A1	INPUT: 100-240V ~ 600mA, 50/60Hz OUTPUT: 48V, 380mA



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Device	WNC	OWS1200	N/A
B	2.4G NB	DELL	E6430	N/A
C	Device NB	DELL	E6430	N/A

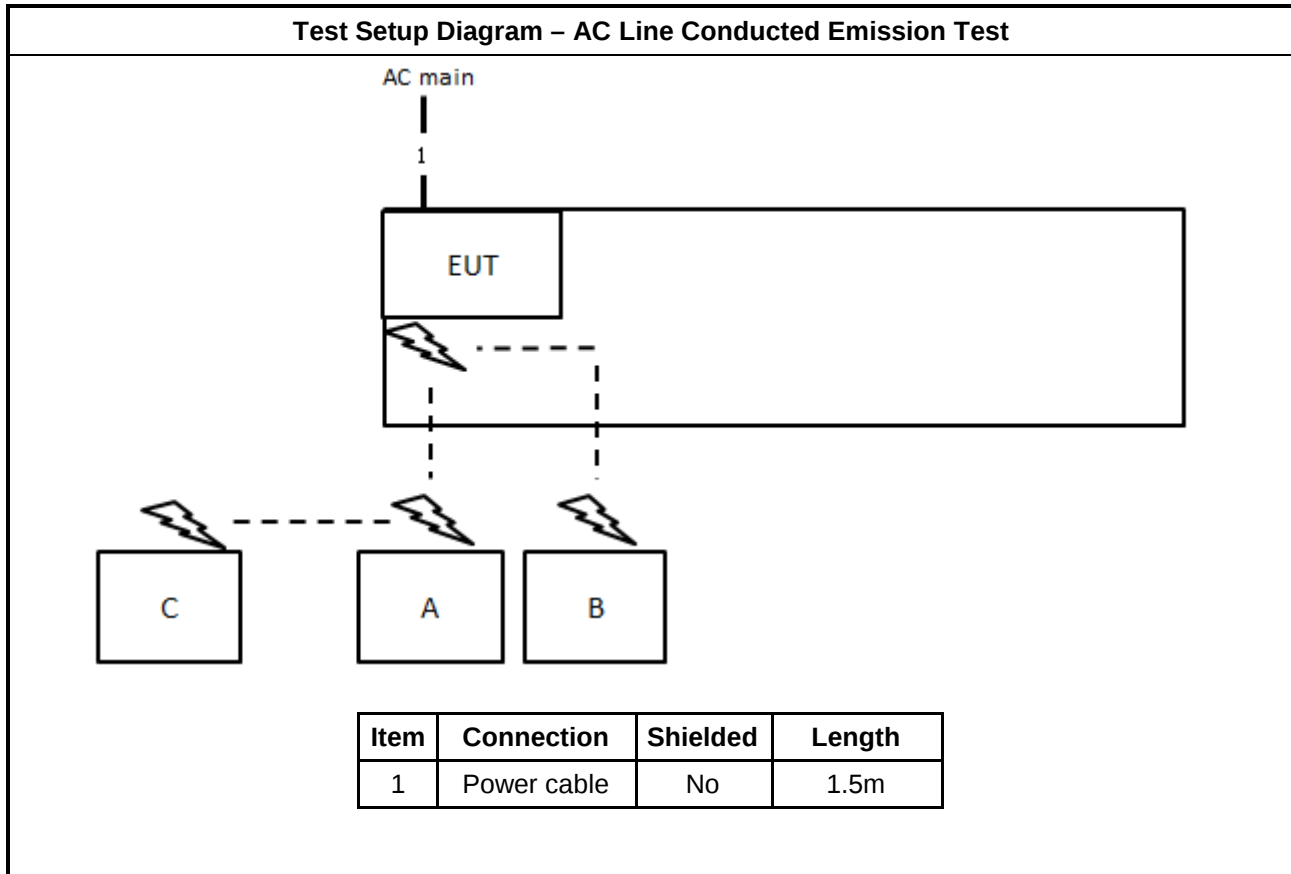
For Radiated (below 1GHz):

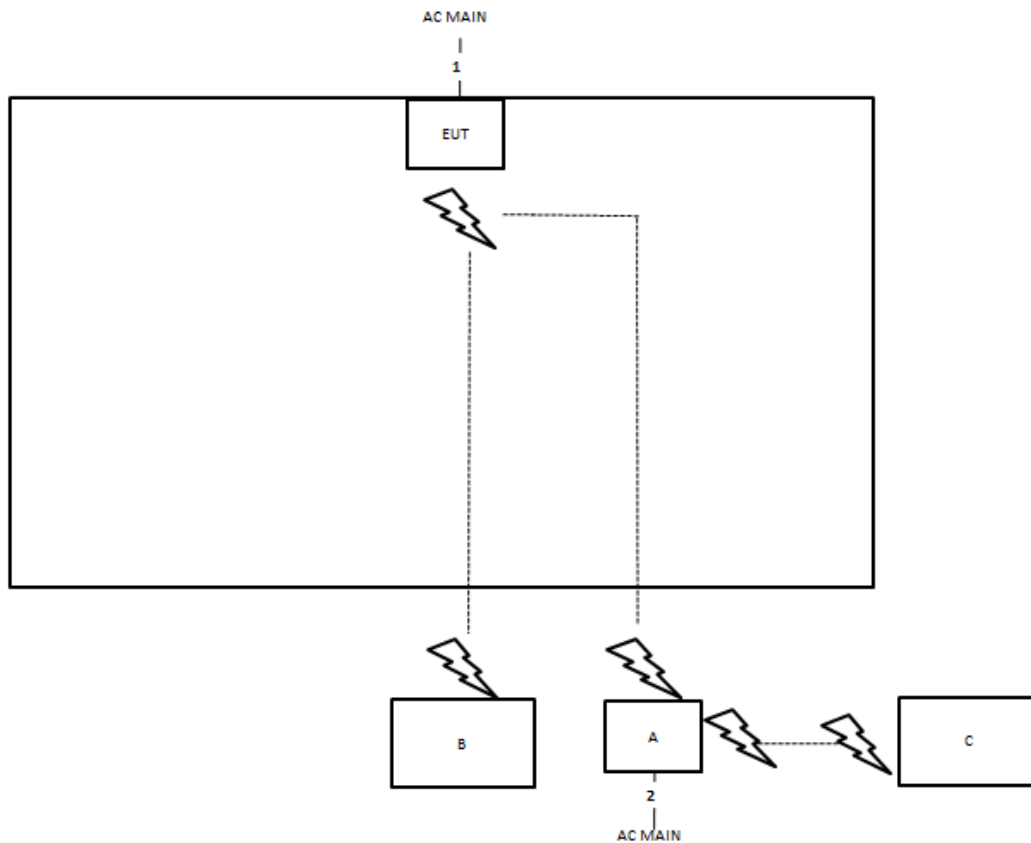
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Device	WNC	OWS1200	N/A
B	NB	DELL	E4300	N/A
C	NB	DELL	E4300	N/A

For Radiated (above 1GHz) and RF Conducted:

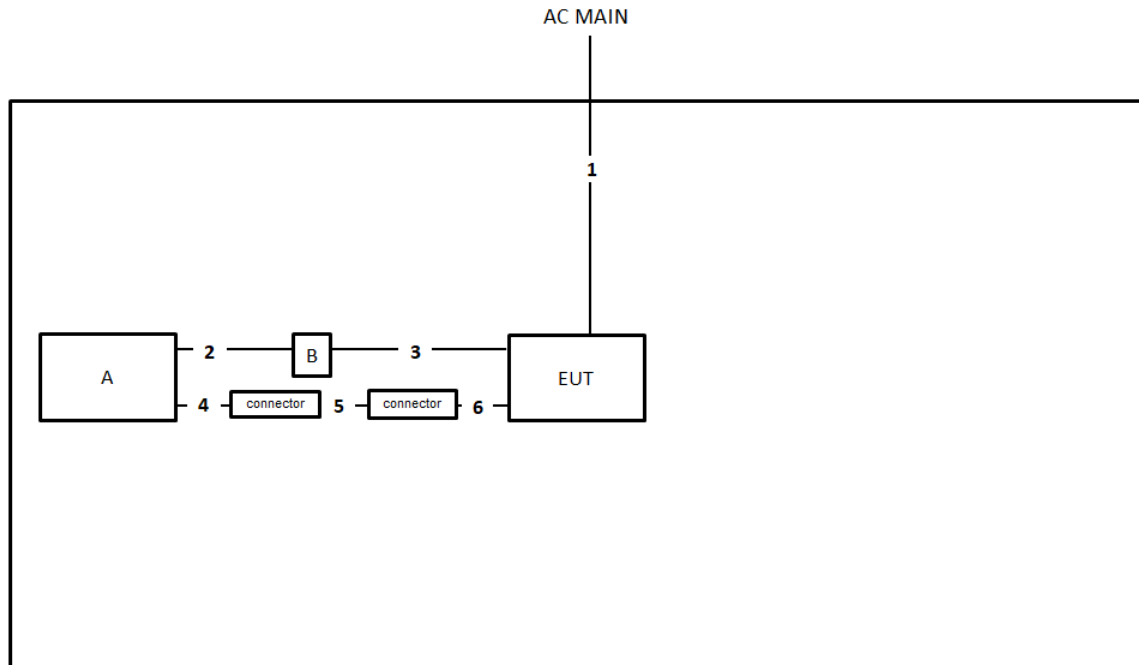
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	WNC	480IUART.SGA	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	USB cable	Yes	1m
3	Console cable	No	0.3m
4	USB cable	Yes	0.6m
5	USB to RJ45 cable	Yes	0.1m
6	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.		

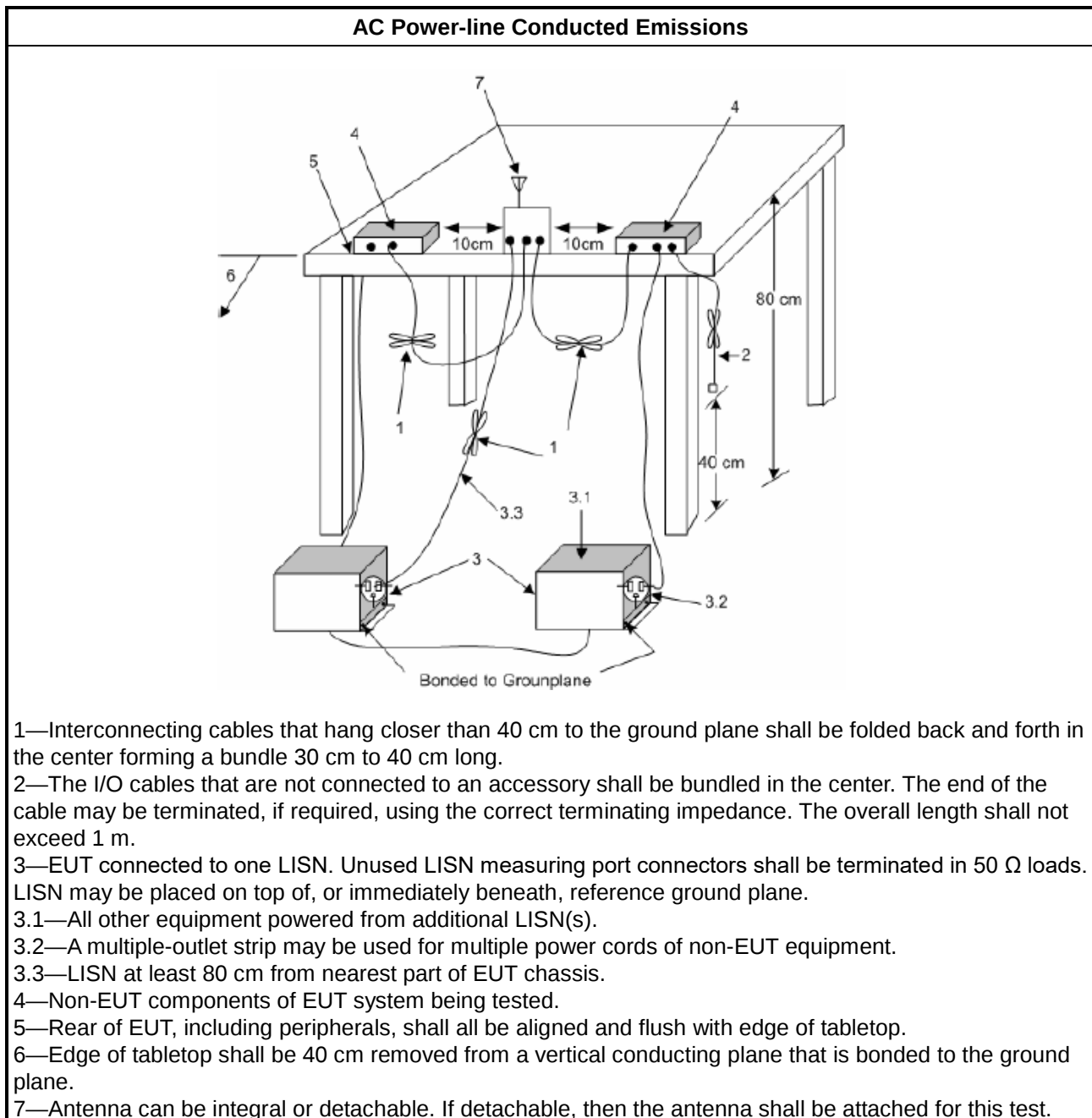
3.1.2 Measuring Instruments

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



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, 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 $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq 500\text{kHz}$.
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 $\geq 500\text{kHz}$.

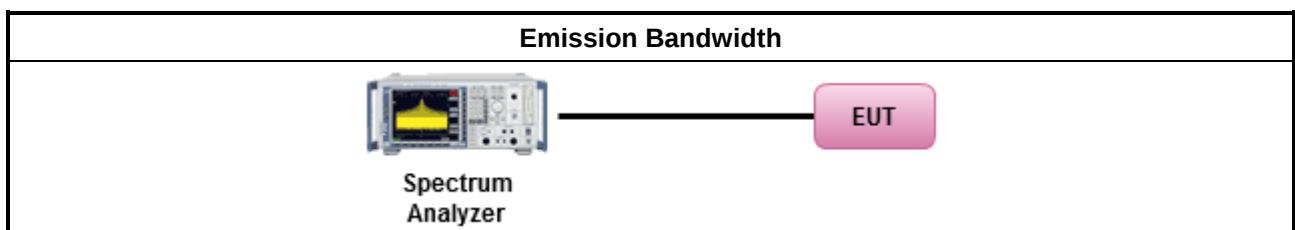
3.2.2 Measuring Instruments

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



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.	

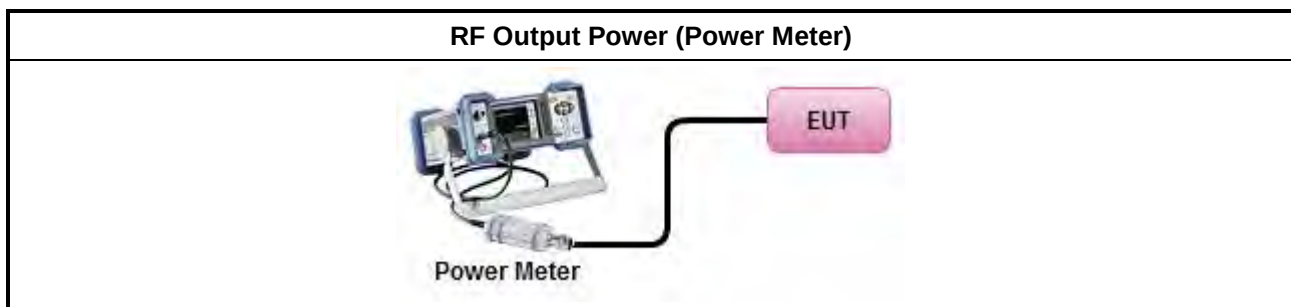
3.3.2 Measuring Instruments

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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



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 $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ 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.	

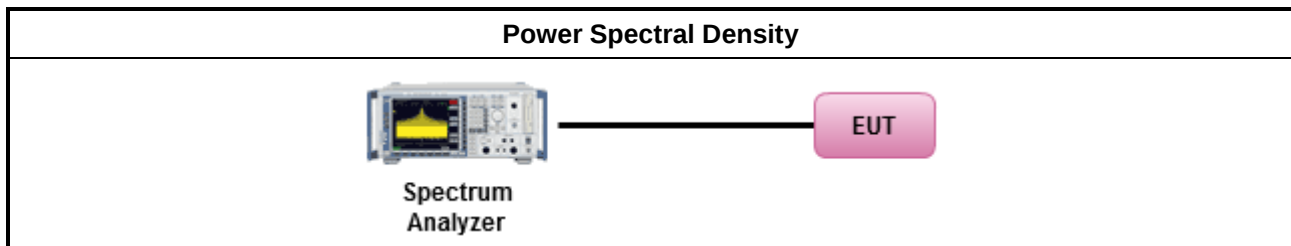
3.4.2 Measuring Instruments

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, F5) 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: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup



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).

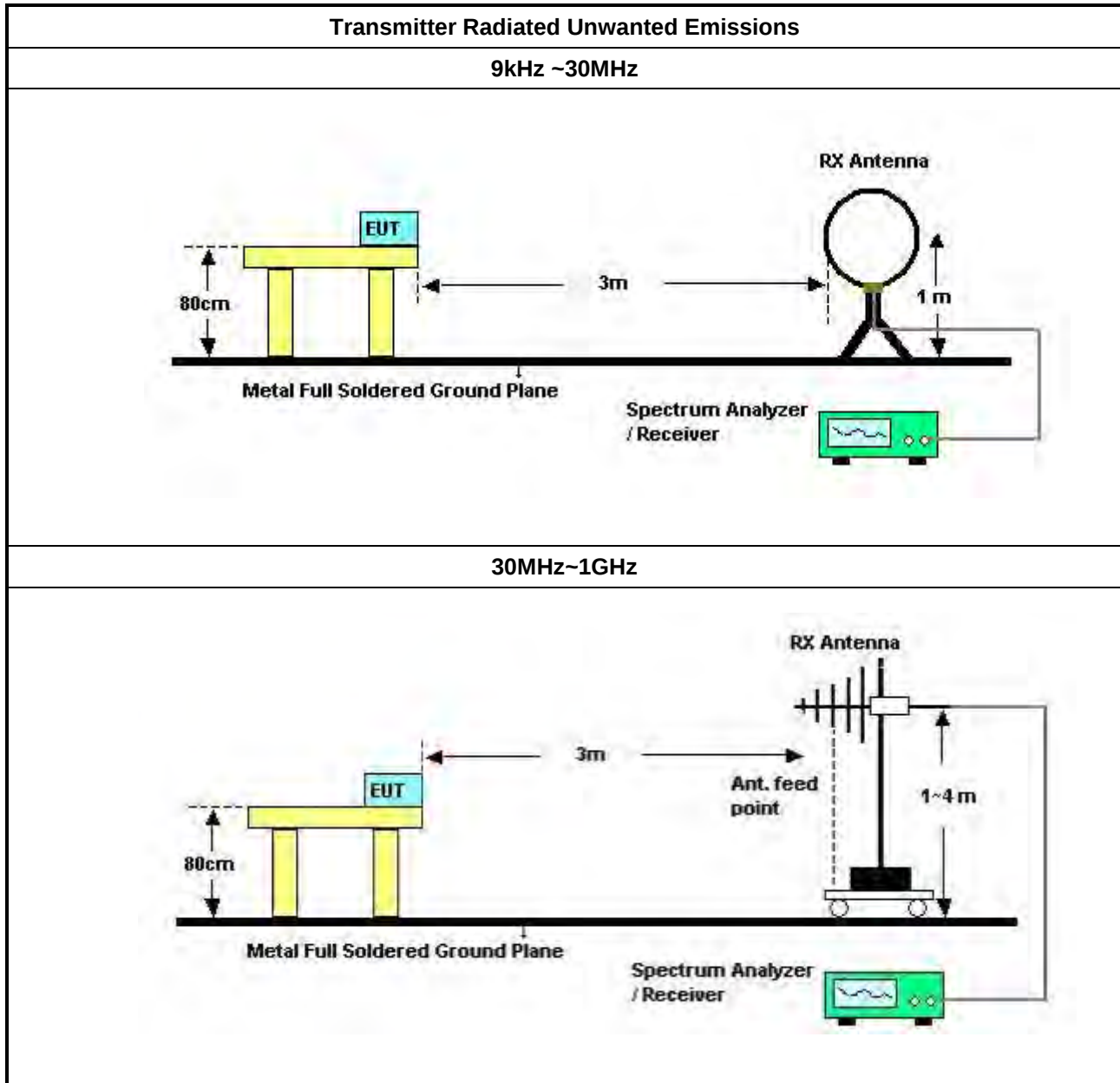
3.5.2 Measuring Instruments

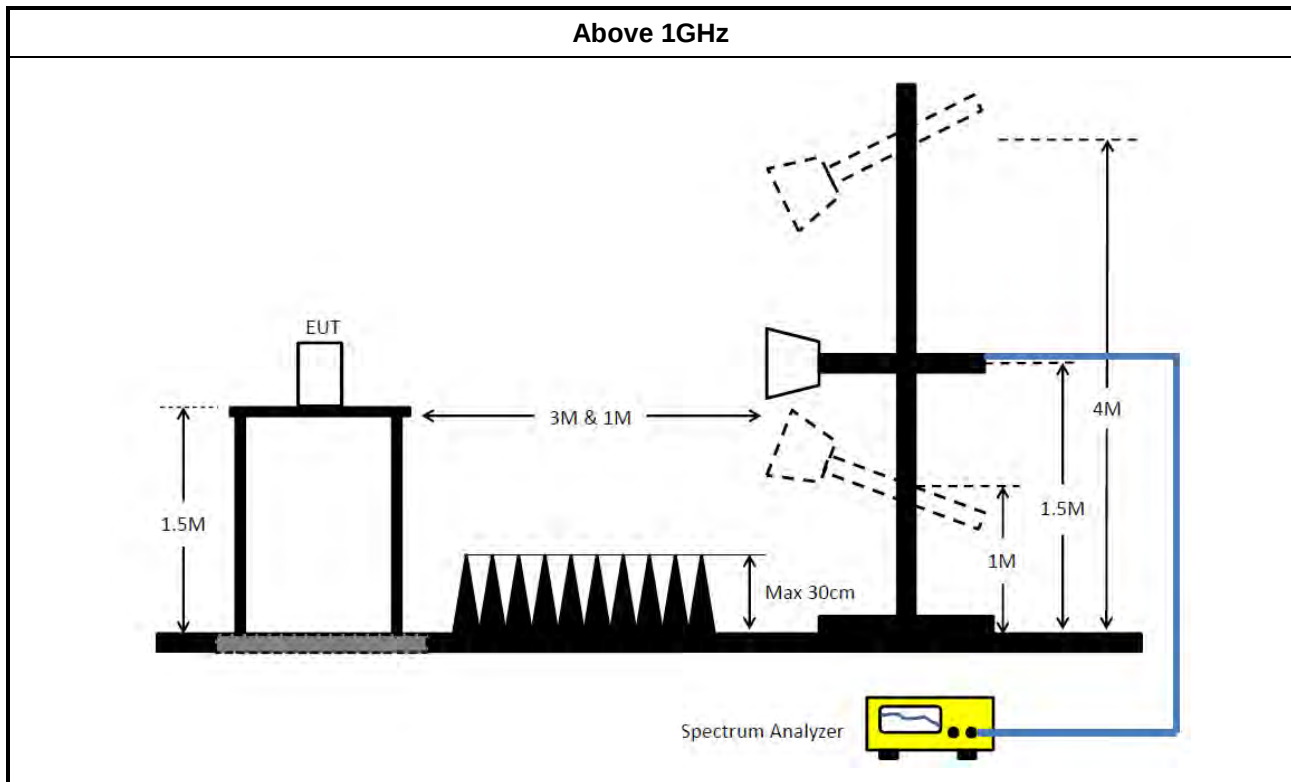
Refer a test equipment and calibration data table in this test report.

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 $\geq$ 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 $\geq$ 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





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
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)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 12, 2019	Oct. 11, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Mar. 19, 2020	Mar. 18, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz ~ 1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
Horn Antenna	ETS • Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Mar. 11, 2020	Mar. 10, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 20, 2020	Jan. 19, 2021	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Dec. 19, 2019	Dec.18, 2020	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 19, 2019	Jun. 18, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+27	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-27	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 17, 2019	Jul. 16, 2020	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 2020	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

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



AC Power Port Conducted Emission Result

Appendix A

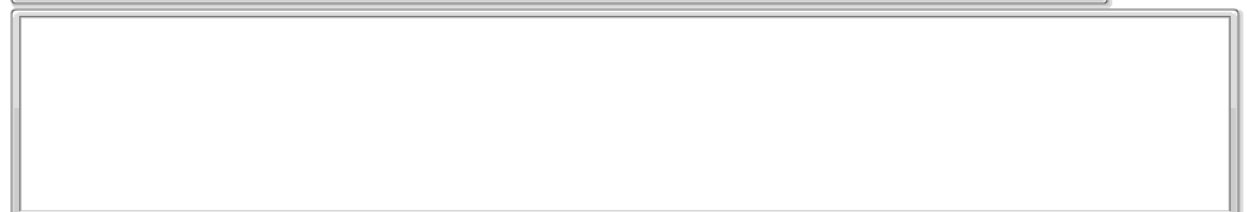
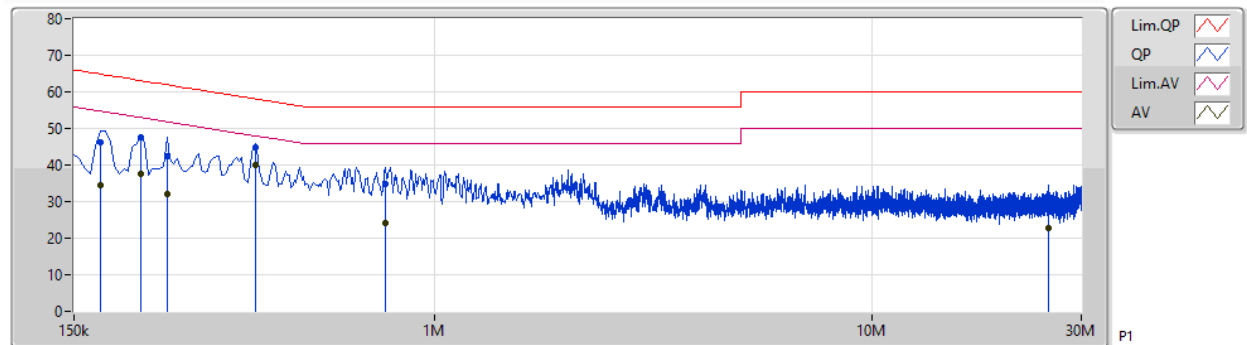
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	AV	388.5k	39.84	48.10	-8.26	9.91	Line



Mode 1

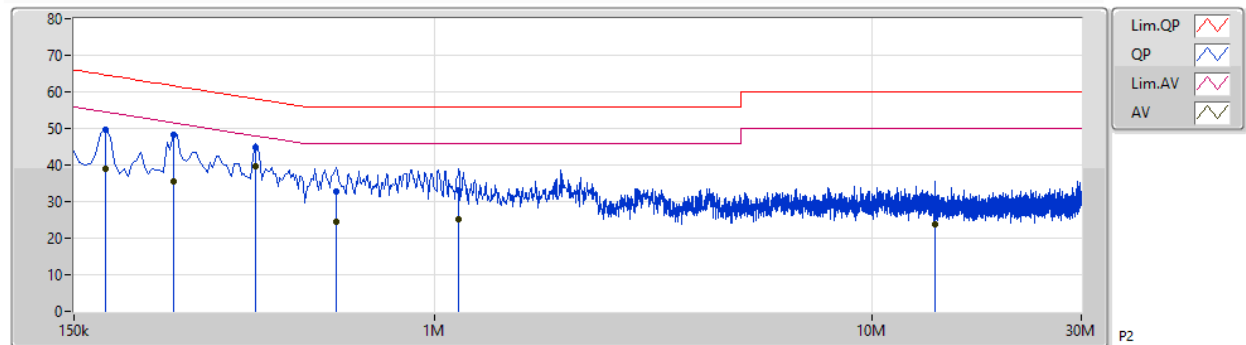
11/05/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	172.5k	46.33	64.83	-18.50	9.90	Line	-	36.43	0.05	0.06	9.79			
AV	172.5k	34.41	54.83	-20.42	9.90	Line	-	24.51	0.05	0.06	9.79			
QP	213k	47.43	63.09	-15.66	9.89	Line	-	37.54	0.04	0.06	9.79			
AV	213k	37.47	53.09	-15.62	9.89	Line	-	27.58	0.04	0.06	9.79			
QP	244.5k	42.55	61.95	-19.40	9.90	Line	-	32.65	0.04	0.06	9.80			
AV	244.5k	31.91	51.95	-20.04	9.90	Line	-	22.01	0.04	0.06	9.80			
QP	388.5k	44.92	58.10	-13.18	9.91	Line	-	35.01	0.04	0.06	9.81			
AV	388.5k	39.84	48.10	-8.26	9.91	Line	"Worst"	29.93	0.04	0.06	9.81			
QP	771k	34.93	56.00	-21.07	9.95	Line	-	24.98	0.05	0.08	9.82			
AV	771k	24.26	46.00	-21.74	9.95	Line	-	14.31	0.05	0.08	9.82			
QP	25.206M	29.61	60.00	-30.39	10.65	Line	-	18.96	0.27	0.36	10.02			
AV	25.206M	22.64	50.00	-27.36	10.65	Line	-	11.99	0.27	0.36	10.02			

Mode 1

11/05/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	177k	49.79	64.62	-14.83	9.89	Neutral	-	39.90	0.04	0.06	9.79			
AV	177k	38.95	54.62	-15.67	9.89	Neutral	-	29.06	0.04	0.06	9.79			
QP	253.5k	48.36	61.64	-13.28	9.90	Neutral	-	38.46	0.04	0.06	9.80			
AV	253.5k	35.45	51.64	-16.19	9.90	Neutral	-	25.55	0.04	0.06	9.80			
QP	388.5k	44.92	58.10	-13.18	9.91	Neutral	-	35.01	0.04	0.06	9.81			
AV	388.5k	39.71	48.10	-8.39	9.91	Neutral	"Worst"	29.80	0.04	0.06	9.81			
QP	595.5k	32.79	56.00	-23.21	9.93	Neutral	-	22.86	0.05	0.07	9.81			
AV	595.5k	24.38	46.00	-21.62	9.93	Neutral	-	14.45	0.05	0.07	9.81			
QP	1.136M	33.10	56.00	-22.90	9.98	Neutral	-	23.12	0.06	0.10	9.82			
AV	1.136M	25.11	46.00	-20.89	9.98	Neutral	-	15.13	0.06	0.10	9.82			
QP	13.902M	30.78	60.00	-29.22	10.33	Neutral	-	20.45	0.19	0.22	9.92			
AV	13.902M	23.84	50.00	-26.16	10.33	Neutral	-	13.51	0.19	0.22	9.92			

<Master>

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.94M	16.792M	16M8D1D	18.99M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	34.95M	18.561M	18M6D1D	19.05M	16.372M
802.11ac VHT40_Nss1,(MCS0)_2TX	44.88M	35.922M	35M9D1D	39.54M	35.802M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.64M	75.802M	75M8D1D	83.4M	75.802M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.41M	16.432M	16M4D1D	16.29M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.55M	17.601M	17M6D1D	16.32M	16.372M
802.11ac VHT40_Nss1,(MCS0)_2TX	34.98M	35.442M	35M4D1D	32.64M	35.382M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.12M	75.802M	75M8D1D	73.92M	75.802M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

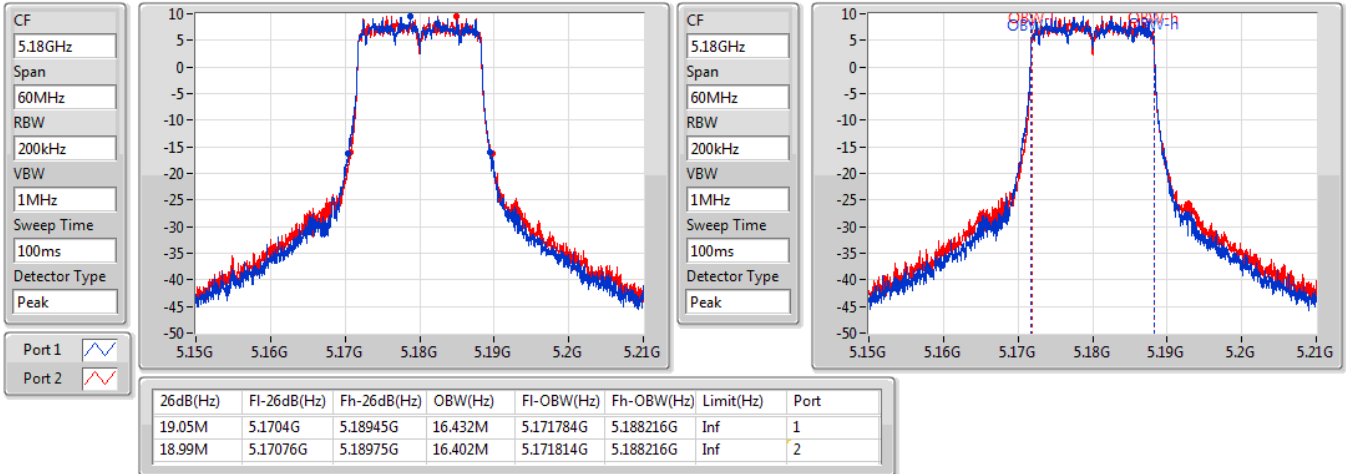
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.05M	16.432M	18.99M	16.402M
5200MHz	Pass	Inf	29.25M	16.792M	29.94M	16.732M
5240MHz	Pass	Inf	24.63M	16.582M	25.89M	16.552M
5745MHz	Pass	500k	16.32M	16.402M	16.32M	16.402M
5785MHz	Pass	500k	16.29M	16.402M	16.41M	16.432M
5825MHz	Pass	500k	16.32M	16.372M	16.32M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.05M	16.462M	19.11M	16.372M
5200MHz	Pass	Inf	33.15M	17.331M	34.95M	18.561M
5240MHz	Pass	Inf	29.94M	16.912M	32.97M	17.121M
5745MHz	Pass	500k	17.55M	17.541M	17.55M	17.571M
5785MHz	Pass	500k	16.32M	16.402M	16.32M	16.372M
5825MHz	Pass	500k	17.55M	17.541M	17.55M	17.601M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.54M	35.922M	39.54M	35.922M
5230MHz	Pass	Inf	44.88M	35.922M	40.2M	35.802M
5755MHz	Pass	500k	33.78M	35.382M	33.78M	35.382M
5795MHz	Pass	500k	32.64M	35.442M	34.98M	35.382M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.64M	75.802M	83.4M	75.802M
5775MHz	Pass	500k	75.12M	75.802M	73.92M	75.802M

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

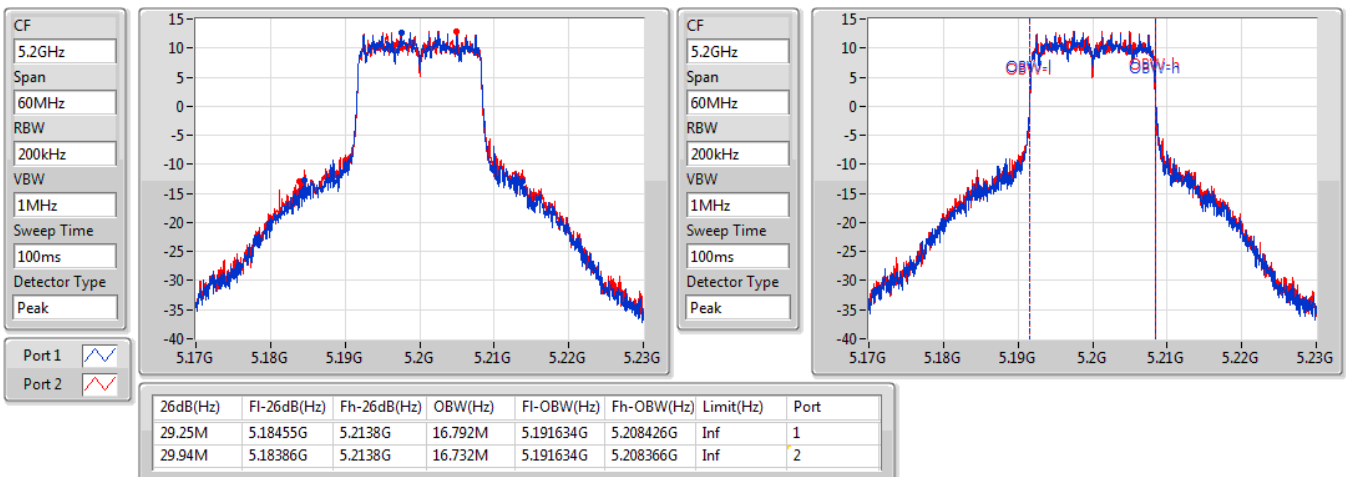
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

13/05/2020

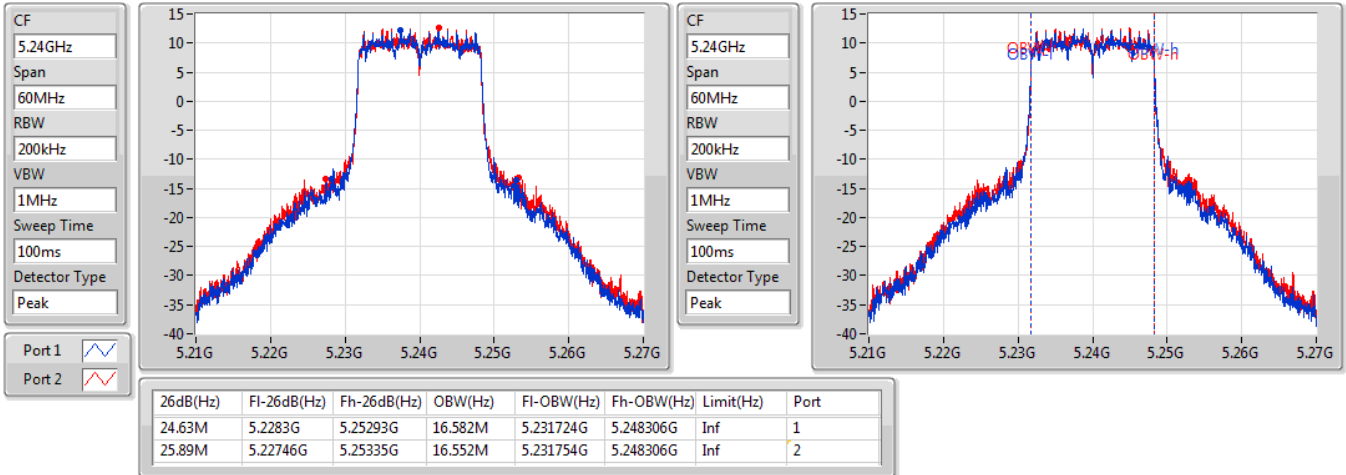

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

13/05/2020

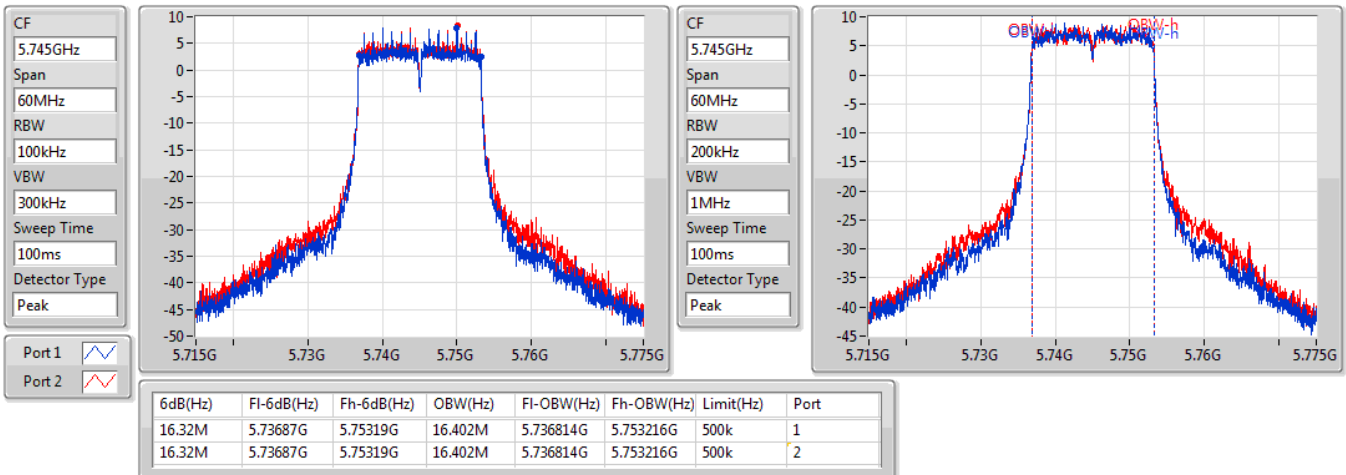


802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

13/05/2020

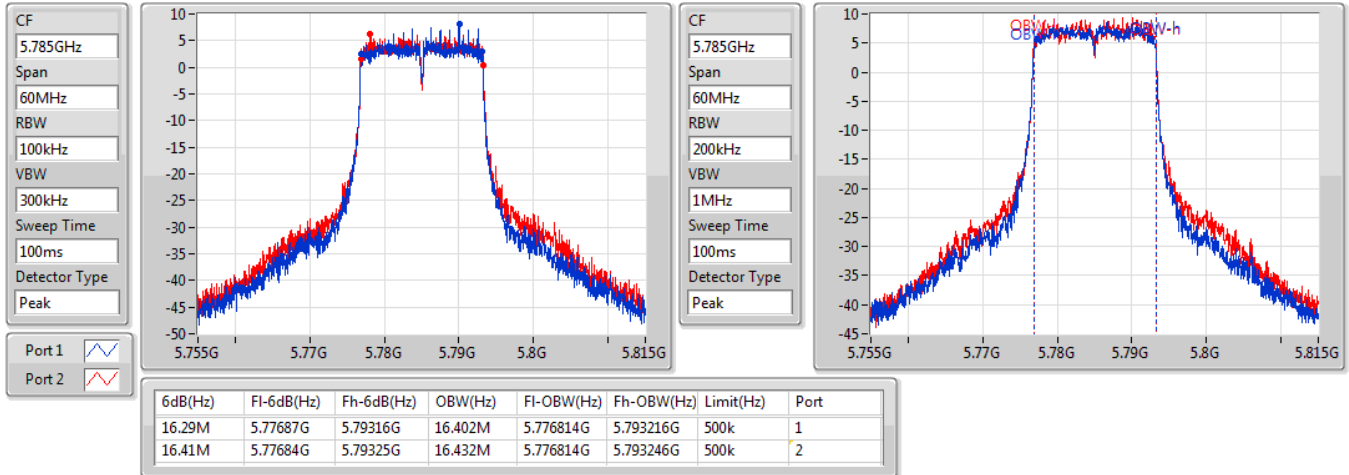

802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

19/05/2020

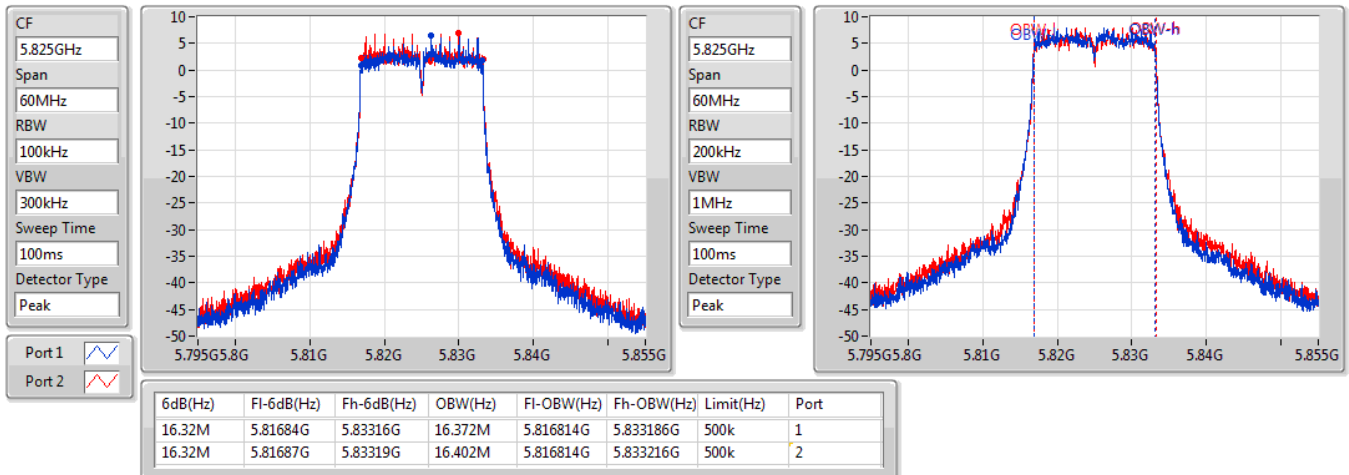


802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

19/05/2020

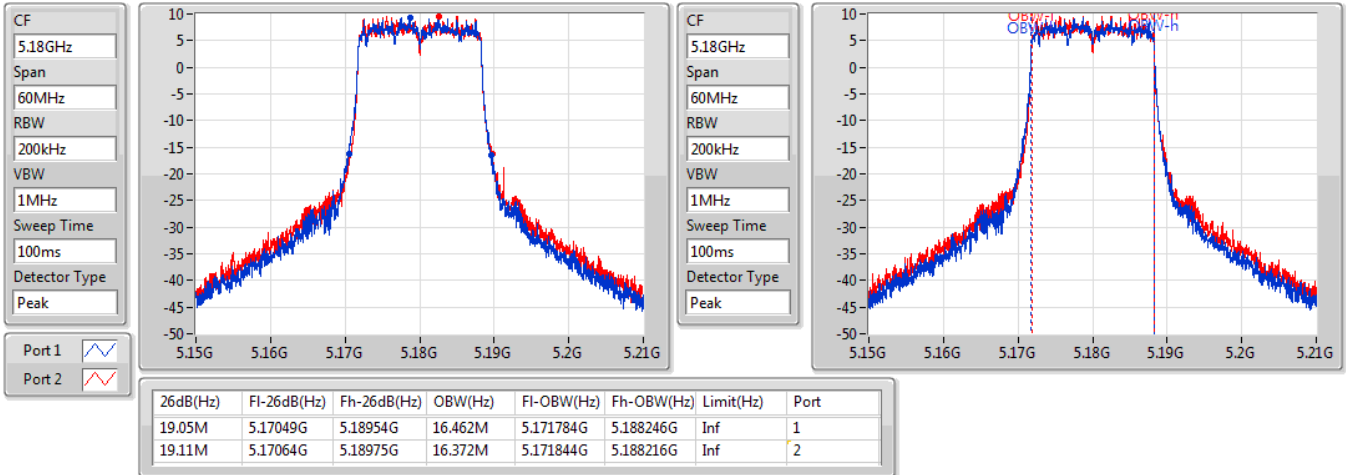

802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

19/05/2020

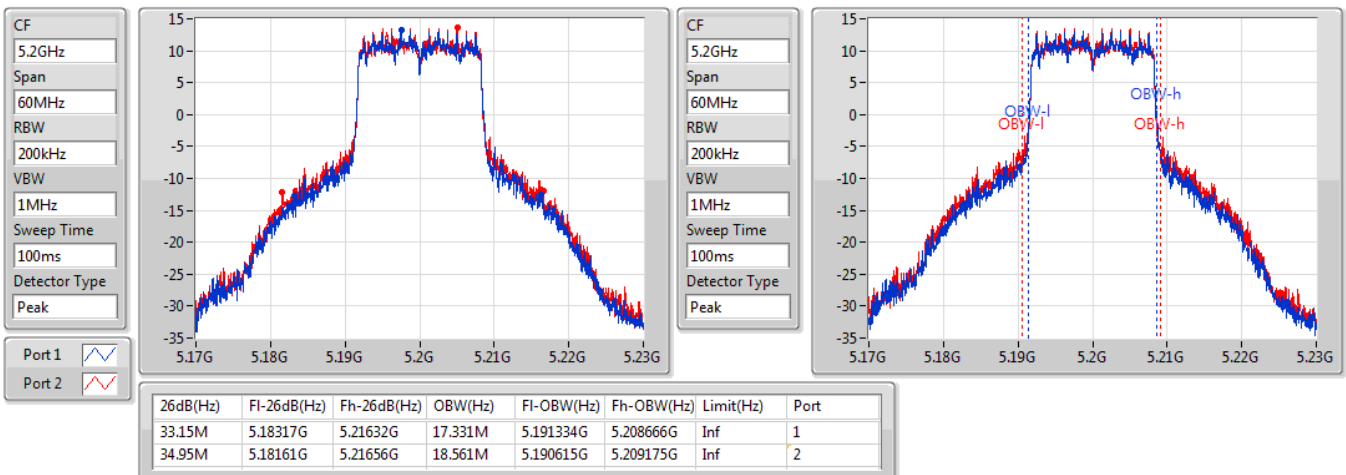


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

13/05/2020

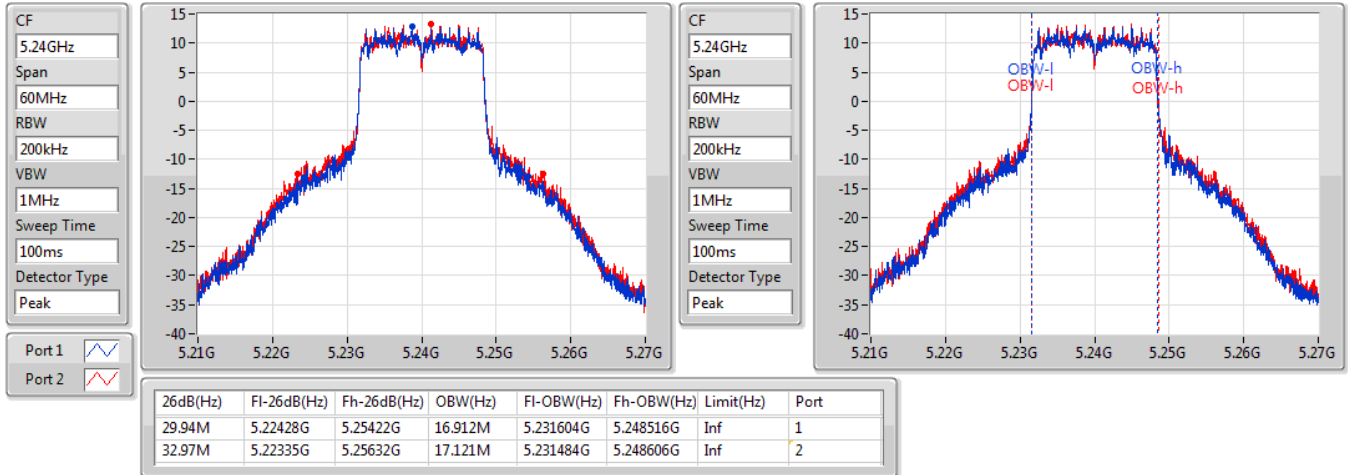

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

13/05/2020

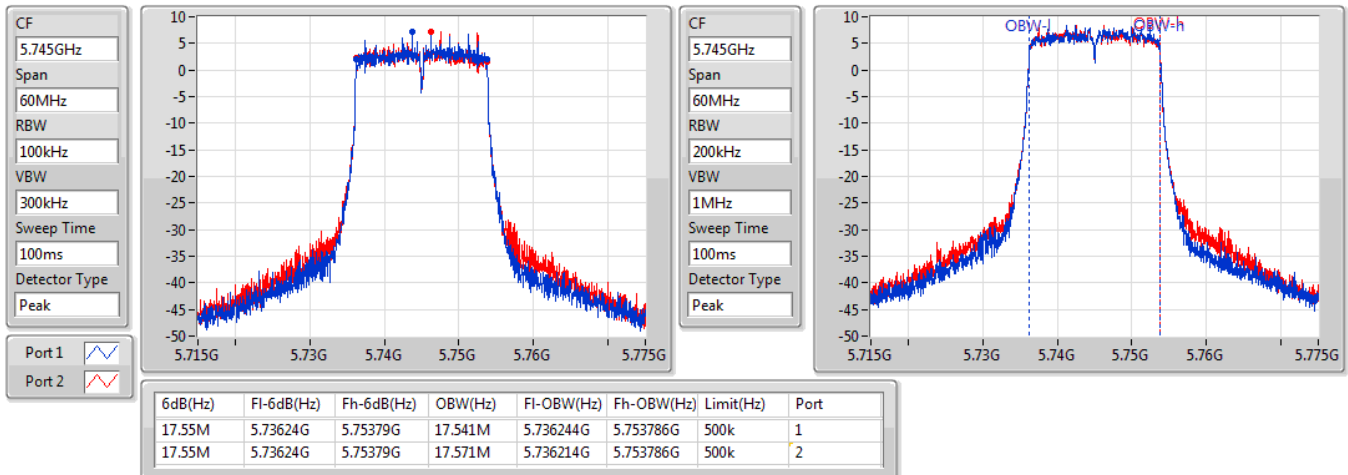


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz

13/05/2020

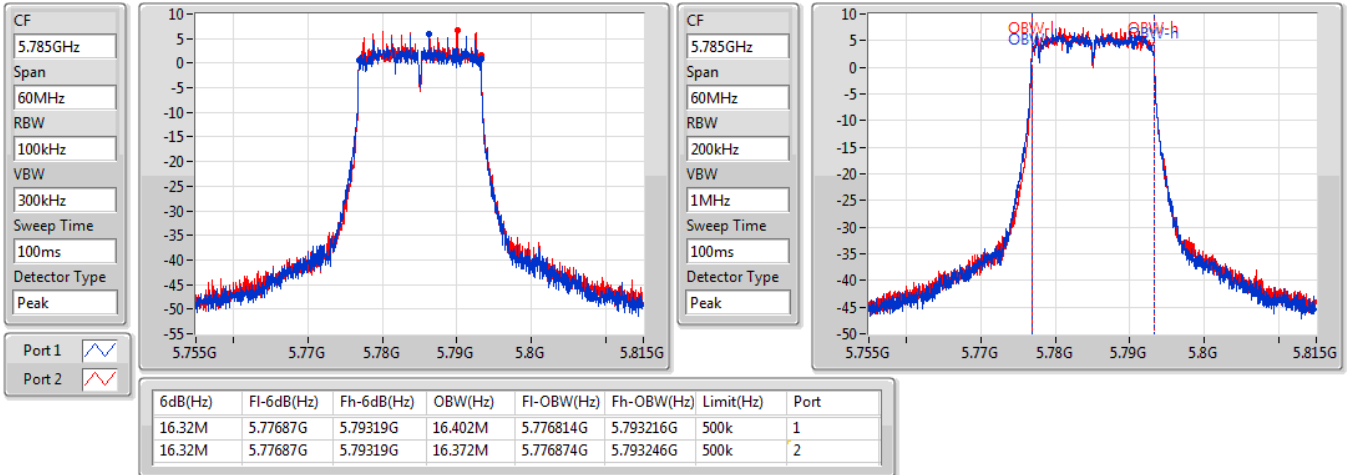

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5745MHz

19/05/2020

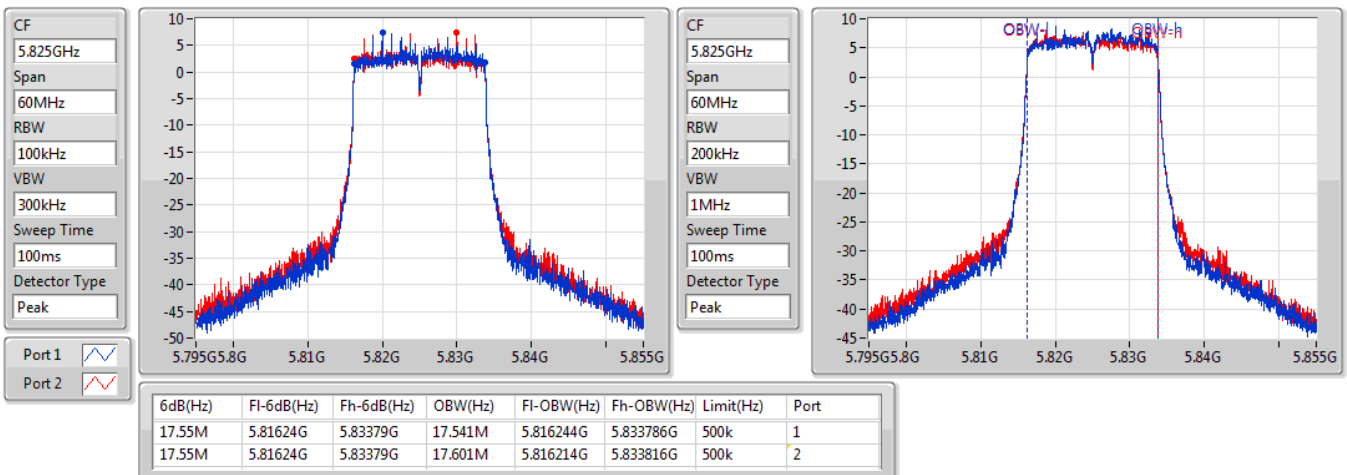


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5785MHz

13/05/2020

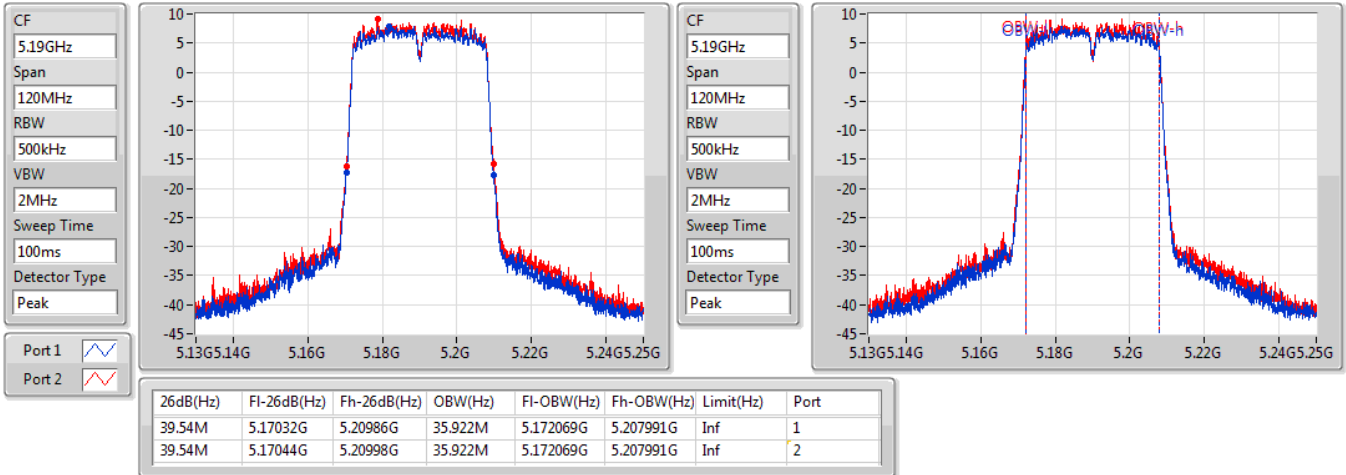

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5825MHz

19/05/2020

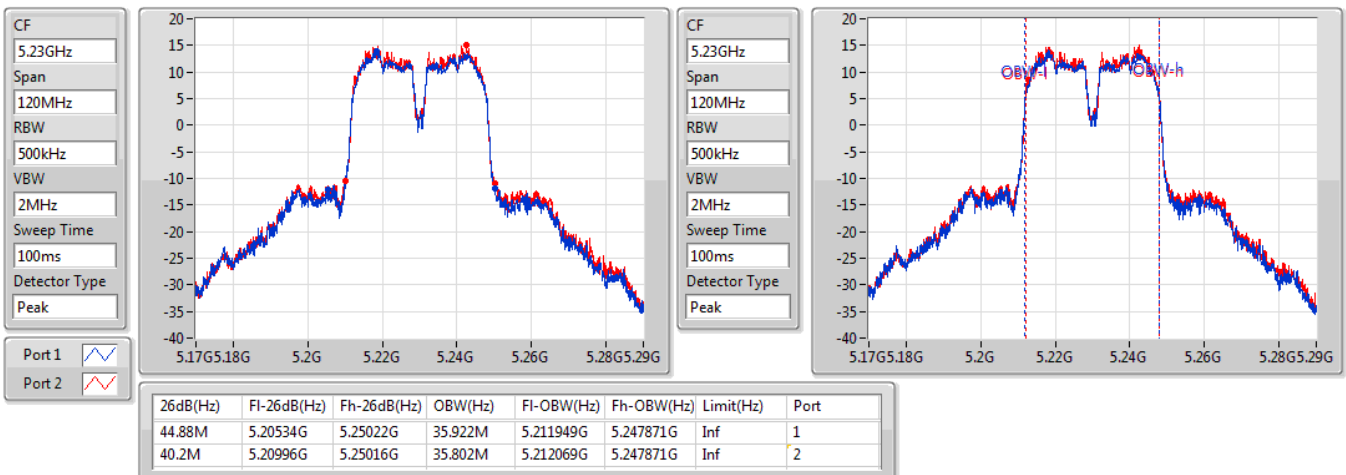


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5190MHz

19/05/2020

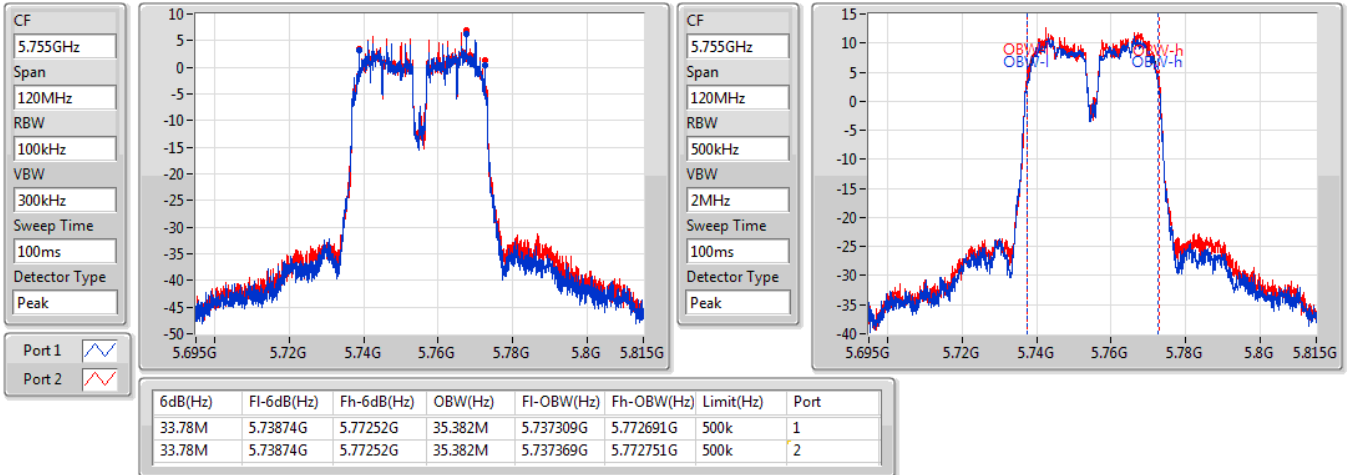

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5230MHz

13/05/2020

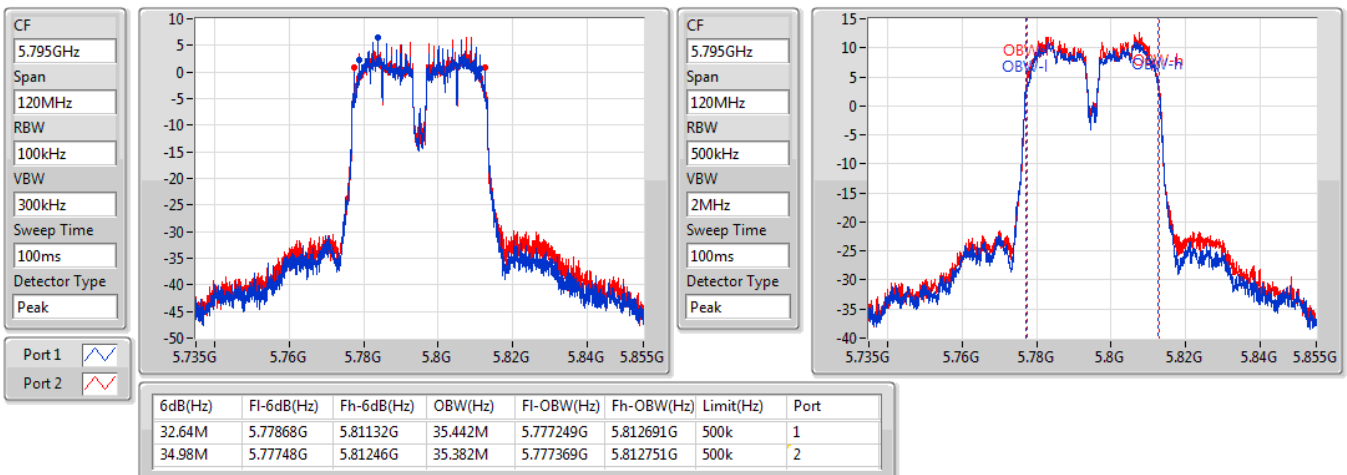


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5755MHz

13/05/2020

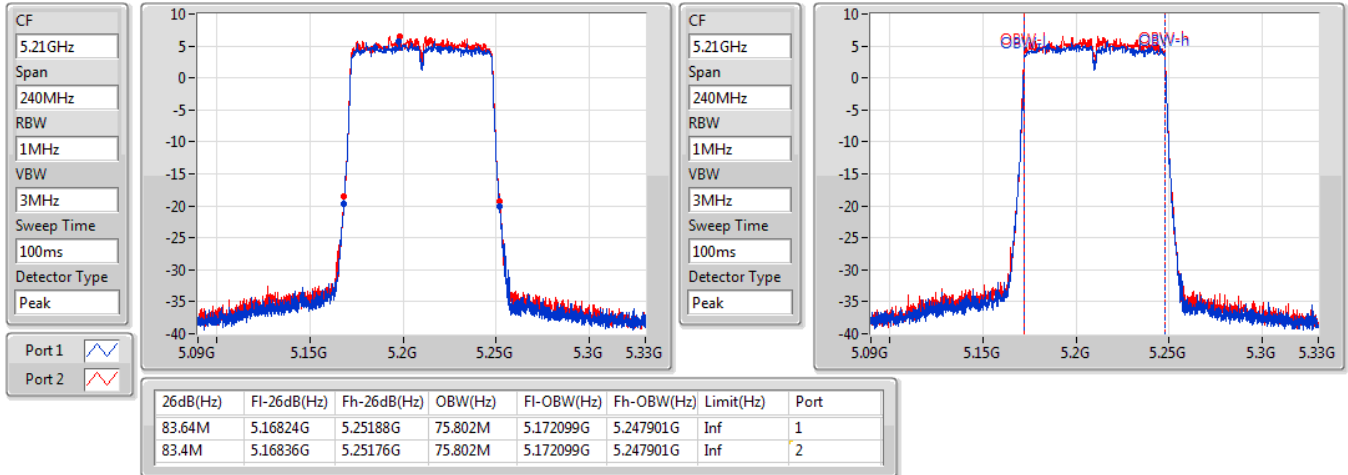

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5795MHz

13/05/2020

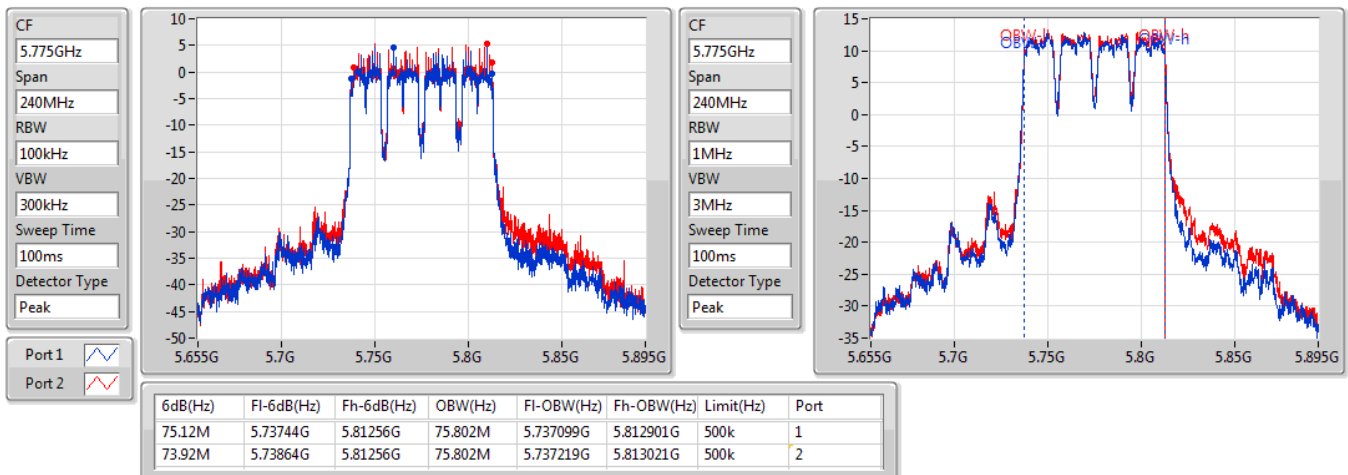


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5210MHz

19/05/2020


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5775MHz

13/05/2020



<Client without radar detection>
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.23M	16.432M	16M4D1D	18.78M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	19.14M	16.432M	16M4D1D	18.87M	16.372M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.54M	35.922M	35M9D1D	38.88M	35.442M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.64M	75.802M	75M8D1D	83.4M	75.802M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.41M	16.432M	16M4D1D	16.29M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.55M	17.601M	17M6D1D	16.32M	16.372M
802.11ac VHT40_Nss1,(MCS0)_2TX	34.98M	35.442M	35M4D1D	32.64M	35.382M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.12M	75.802M	75M8D1D	73.92M	75.802M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

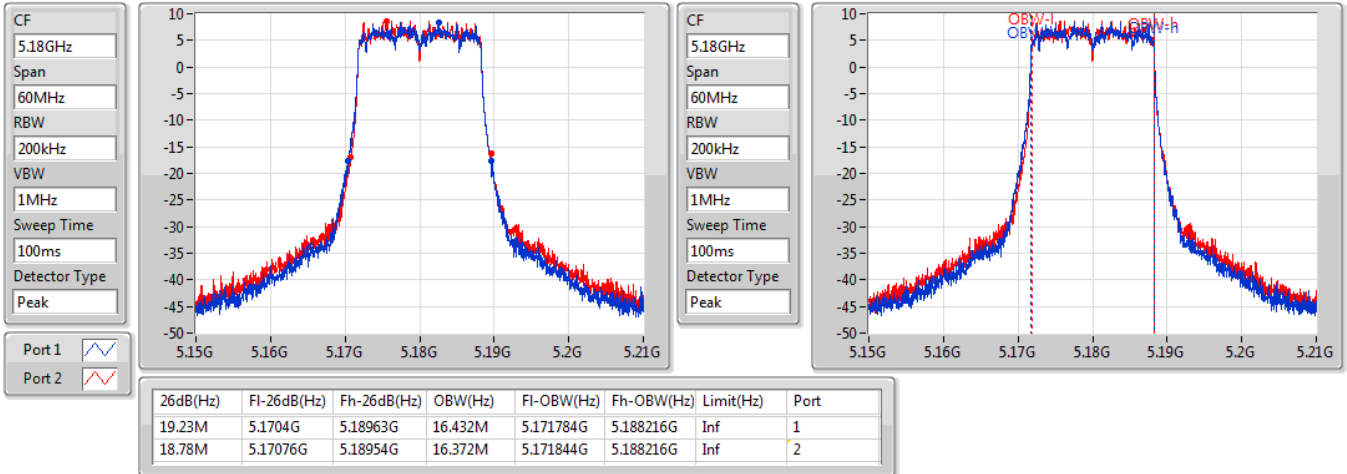
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.23M	16.432M	18.78M	16.372M
5200MHz	Pass	Inf	19.11M	16.432M	18.96M	16.372M
5240MHz	Pass	Inf	19.08M	16.432M	19.02M	16.372M
5745MHz	Pass	500k	16.32M	16.402M	16.32M	16.402M
5785MHz	Pass	500k	16.29M	16.402M	16.41M	16.432M
5825MHz	Pass	500k	16.32M	16.372M	16.32M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.11M	16.402M	18.93M	16.372M
5200MHz	Pass	Inf	19.14M	16.402M	18.87M	16.372M
5240MHz	Pass	Inf	19.05M	16.432M	18.96M	16.372M
5745MHz	Pass	500k	17.55M	17.541M	17.55M	17.571M
5785MHz	Pass	500k	16.32M	16.402M	16.32M	16.372M
5825MHz	Pass	500k	17.55M	17.541M	17.55M	17.601M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.54M	35.922M	39.54M	35.922M
5230MHz	Pass	Inf	39.36M	35.562M	38.88M	35.442M
5755MHz	Pass	500k	33.78M	35.382M	33.78M	35.382M
5795MHz	Pass	500k	32.64M	35.442M	34.98M	35.382M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.64M	75.802M	83.4M	75.802M
5775MHz	Pass	500k	75.12M	75.802M	73.92M	75.802M

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

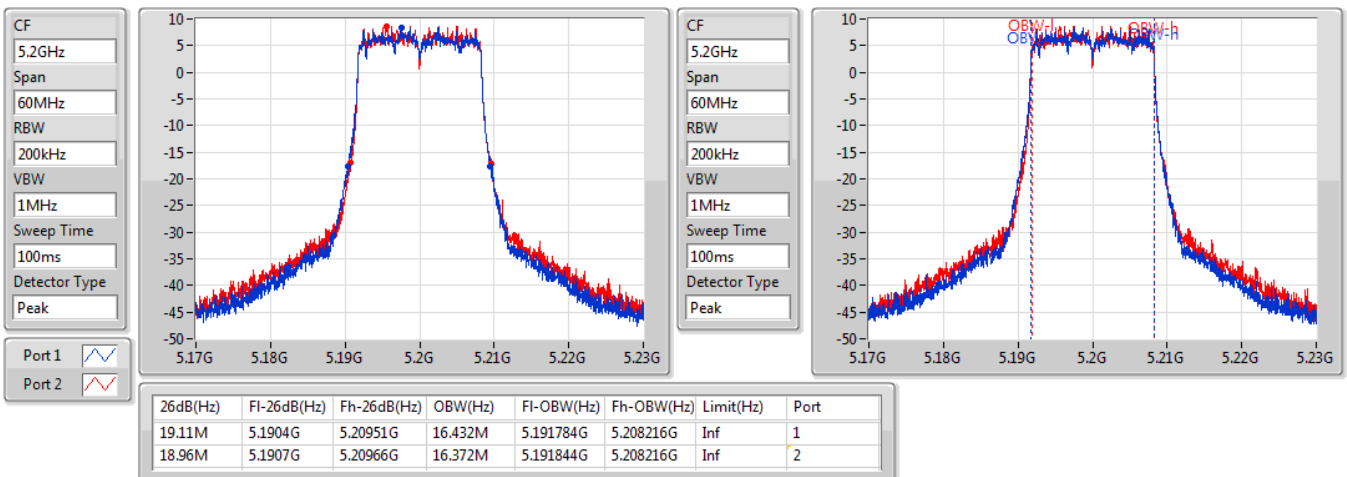
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

13/05/2020

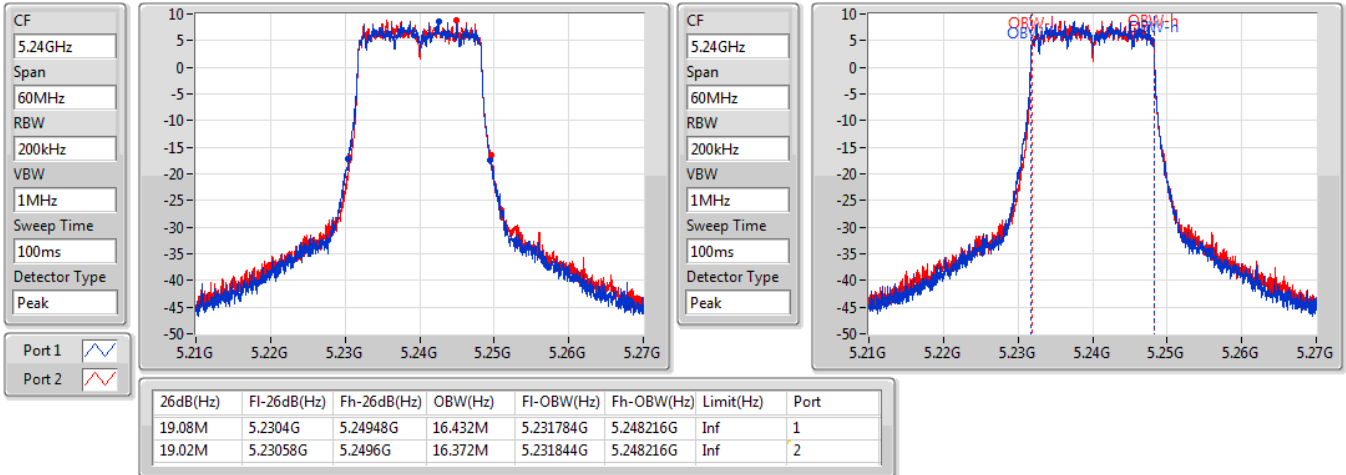

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

13/05/2020

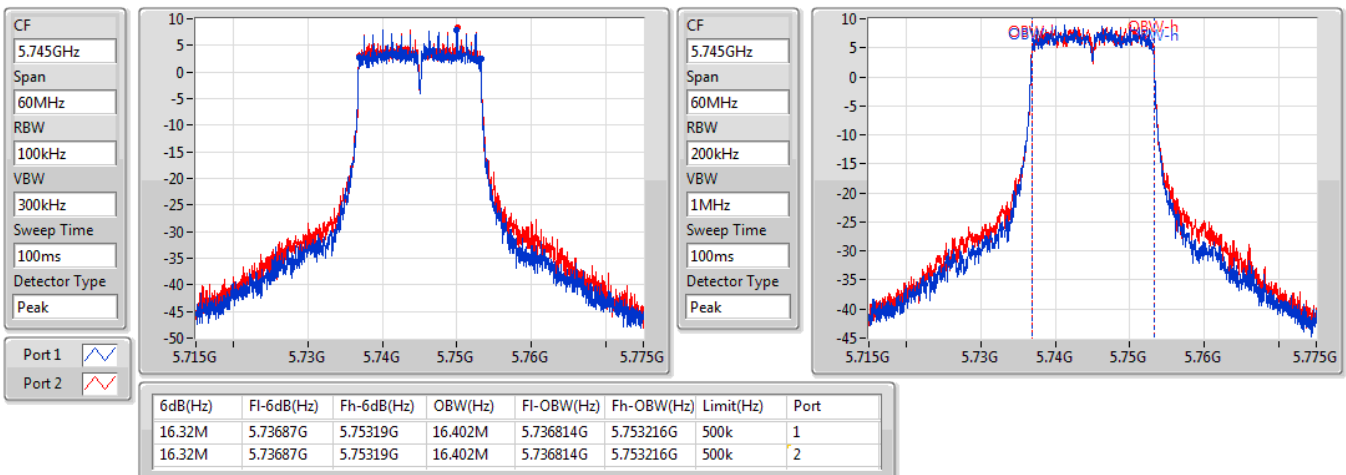


802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

13/05/2020

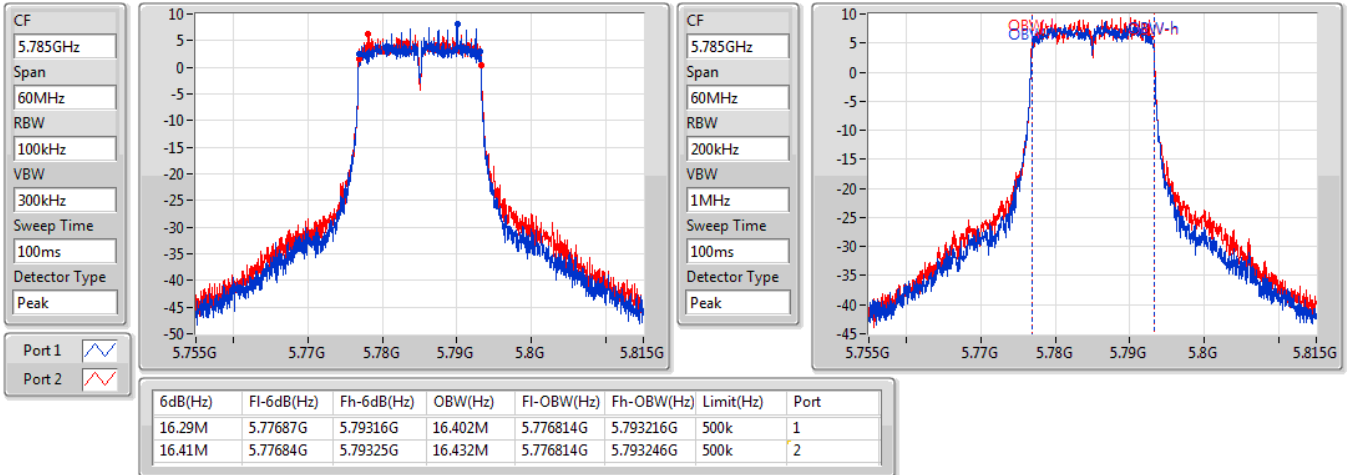

802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

19/05/2020

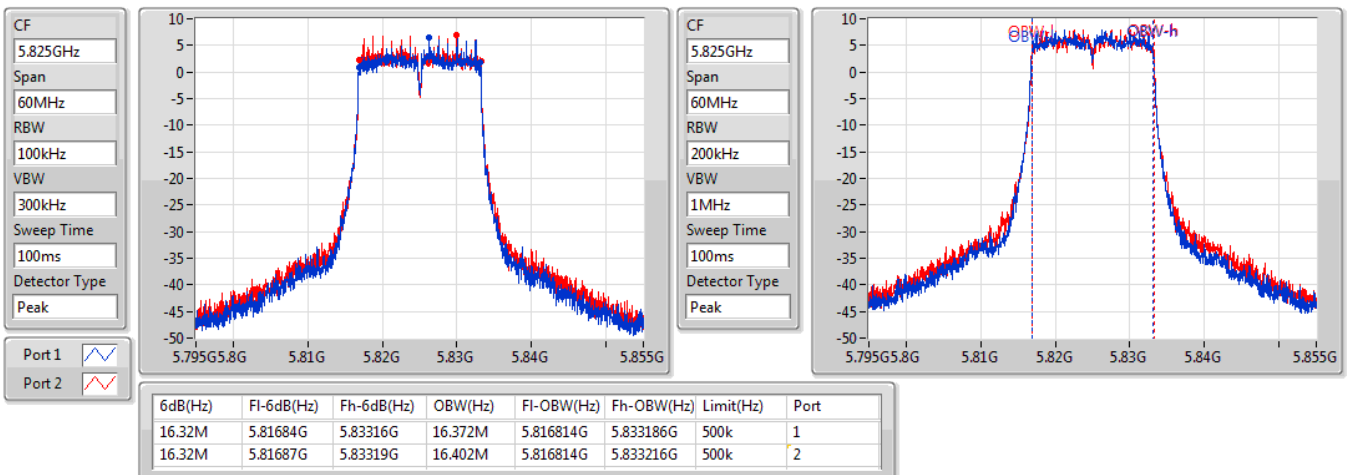


802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

19/05/2020

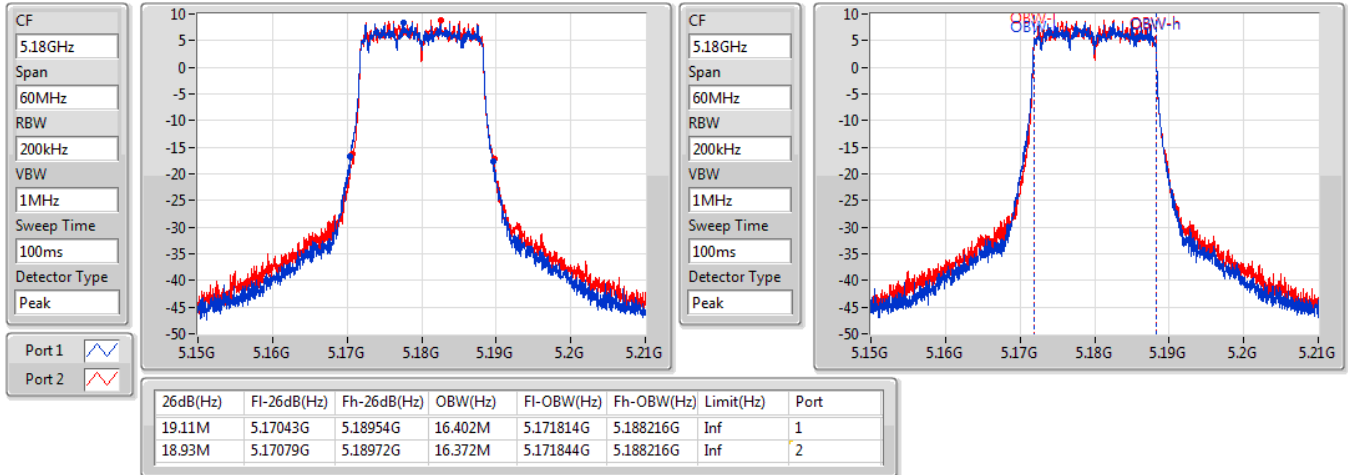

802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

19/05/2020

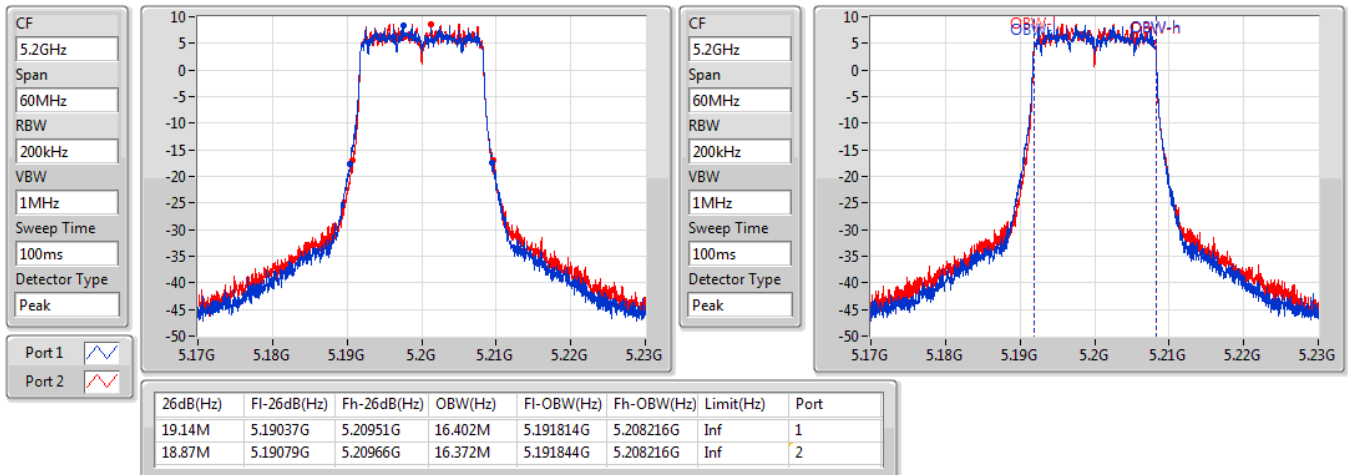


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

13/05/2020

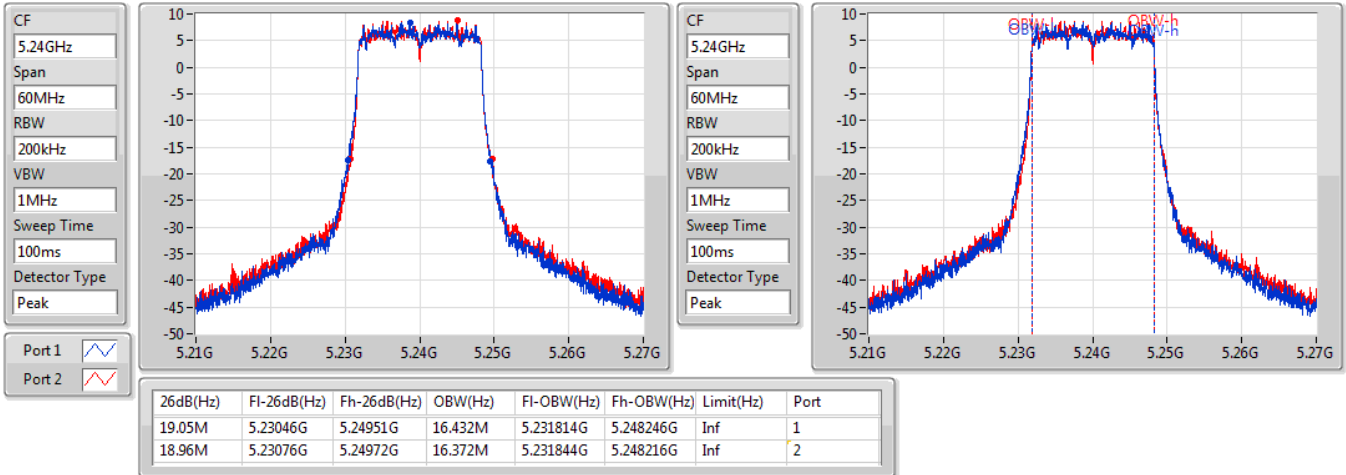

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

13/05/2020

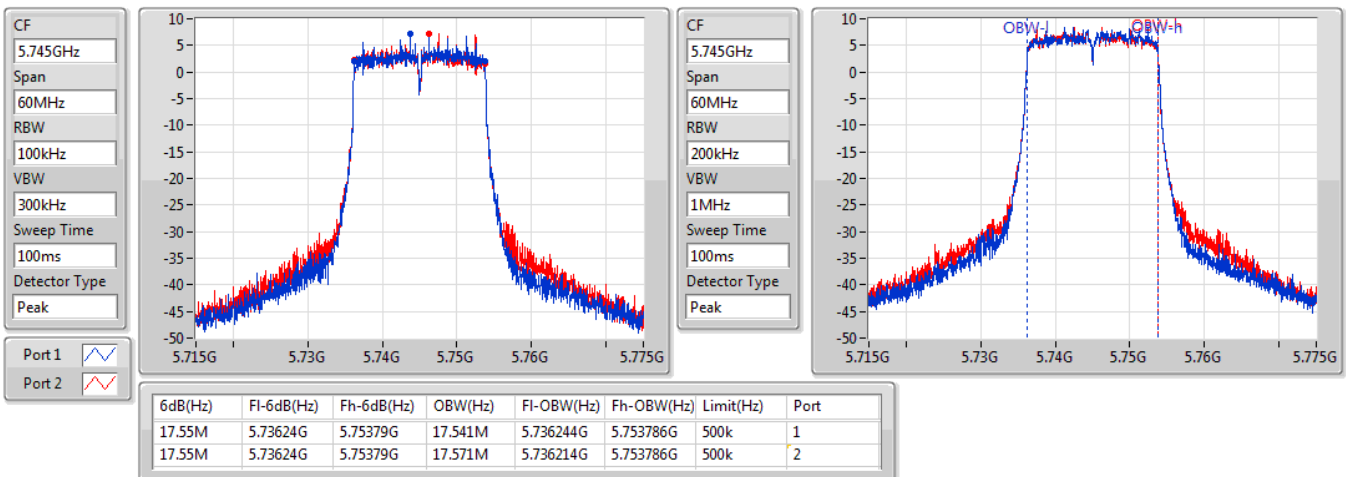


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz

13/05/2020

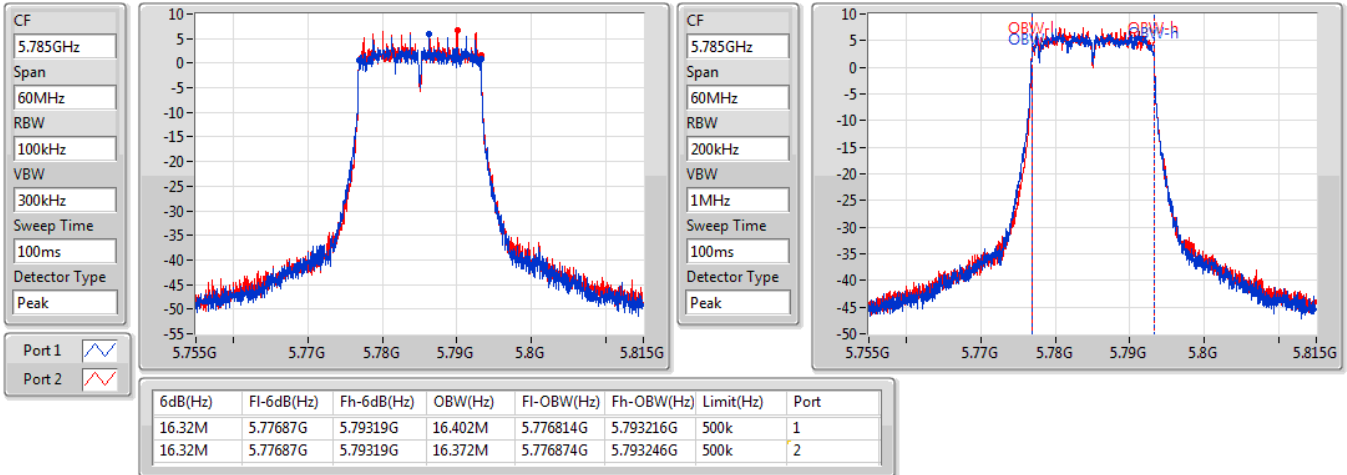

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5745MHz

19/05/2020

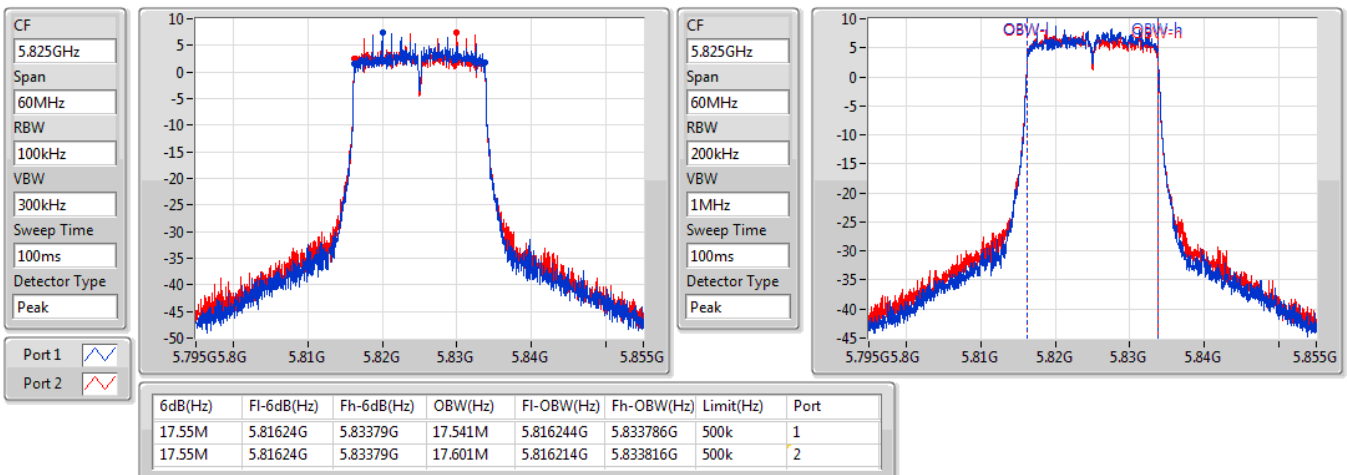


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5785MHz

13/05/2020

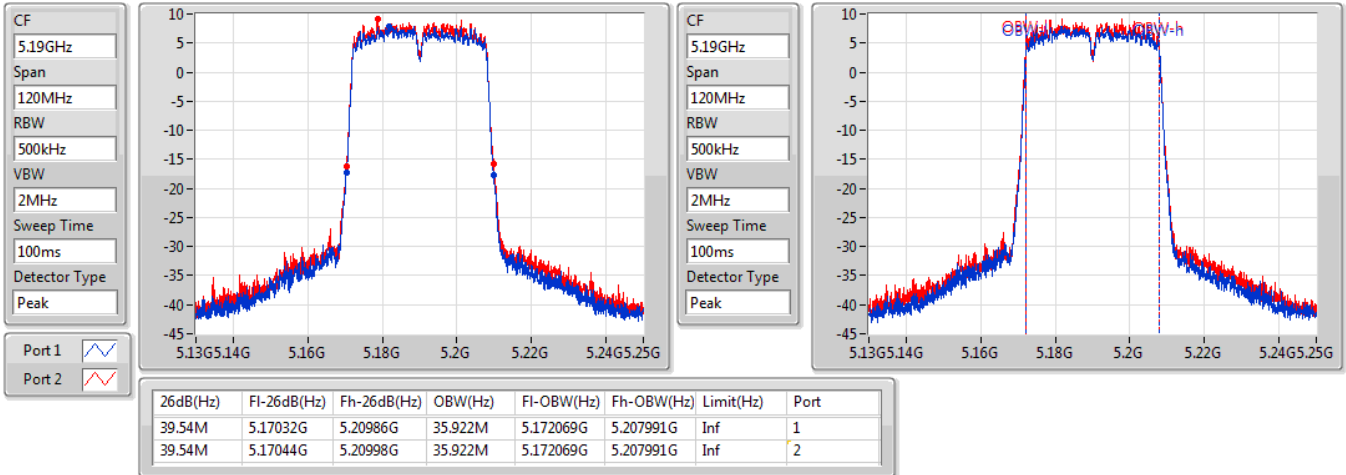

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5825MHz

19/05/2020

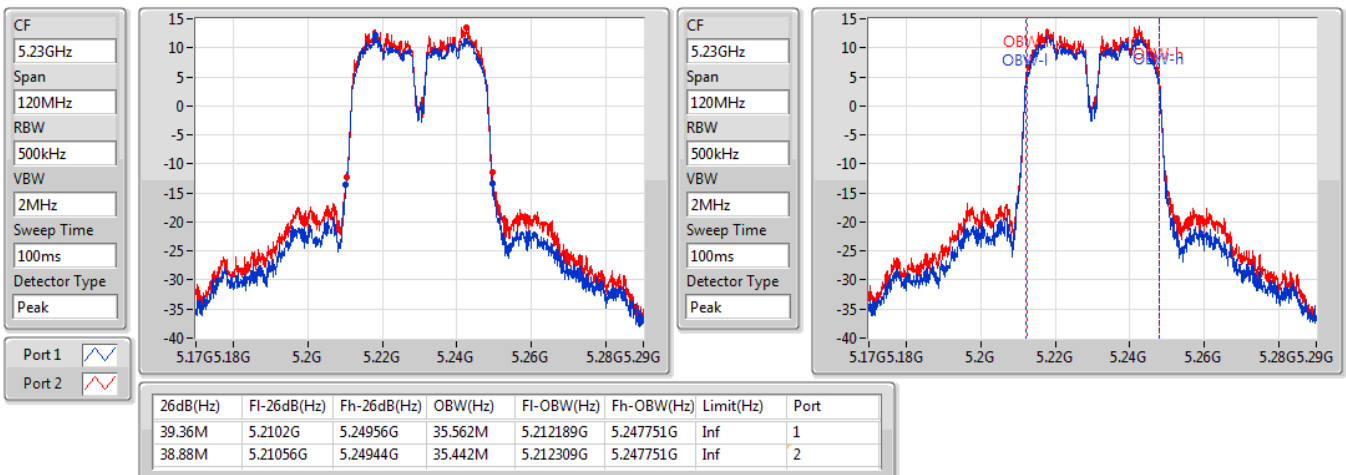


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5190MHz

19/05/2020

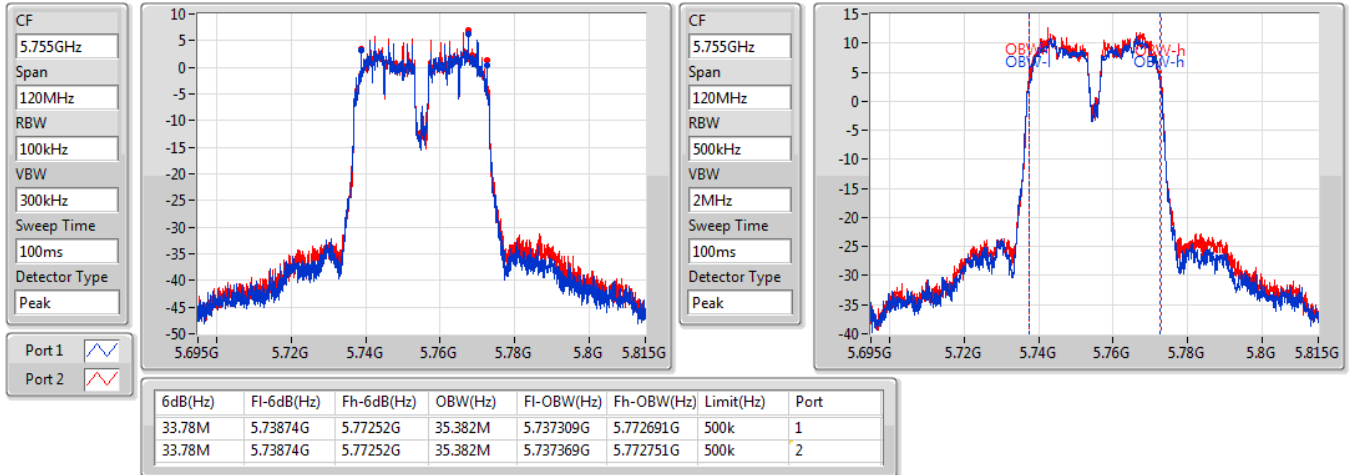

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5230MHz

13/05/2020

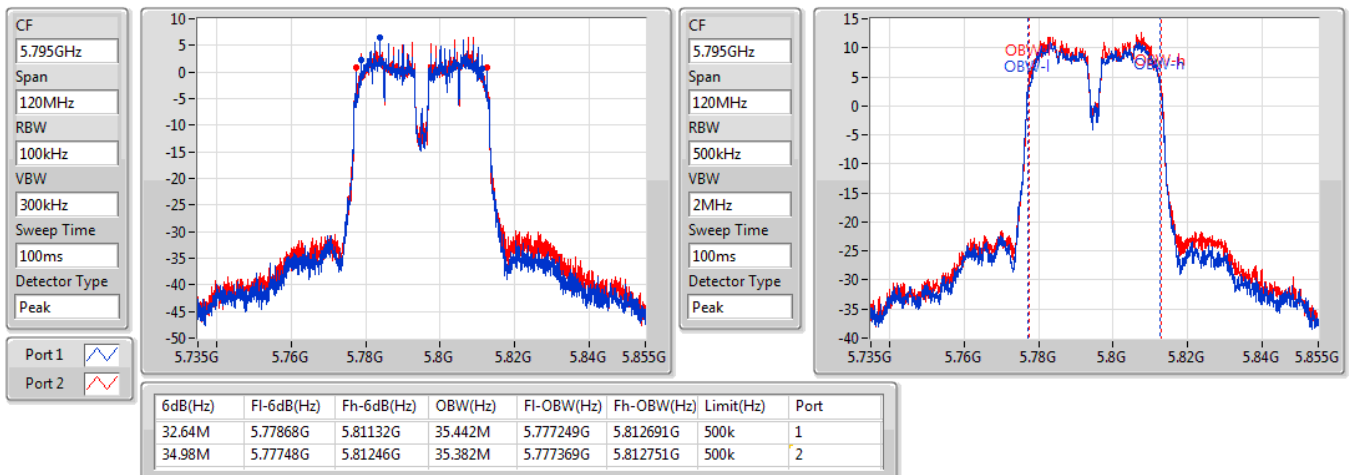


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5755MHz

13/05/2020

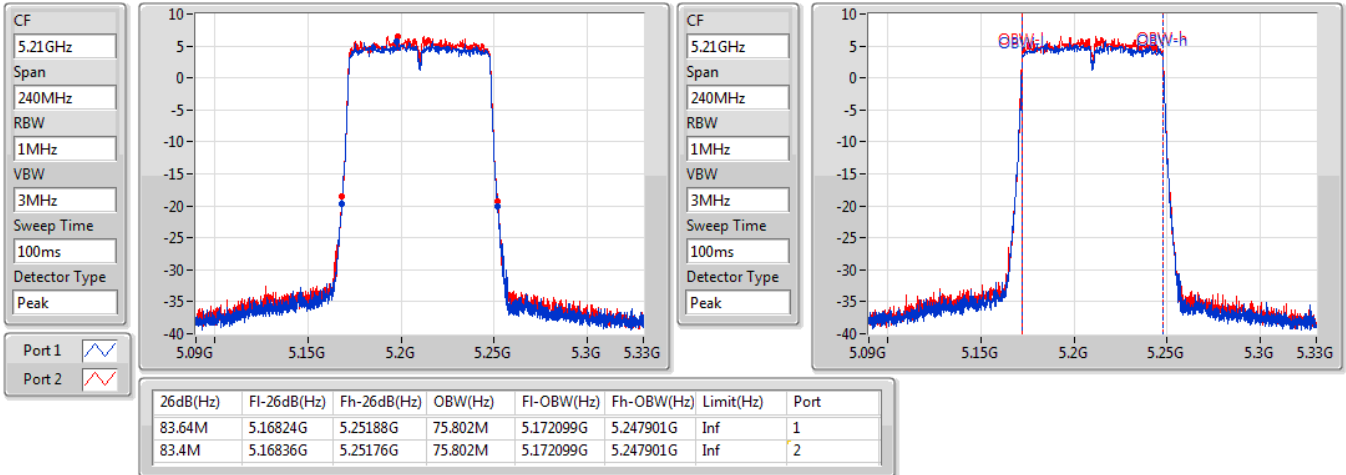

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5795MHz

13/05/2020

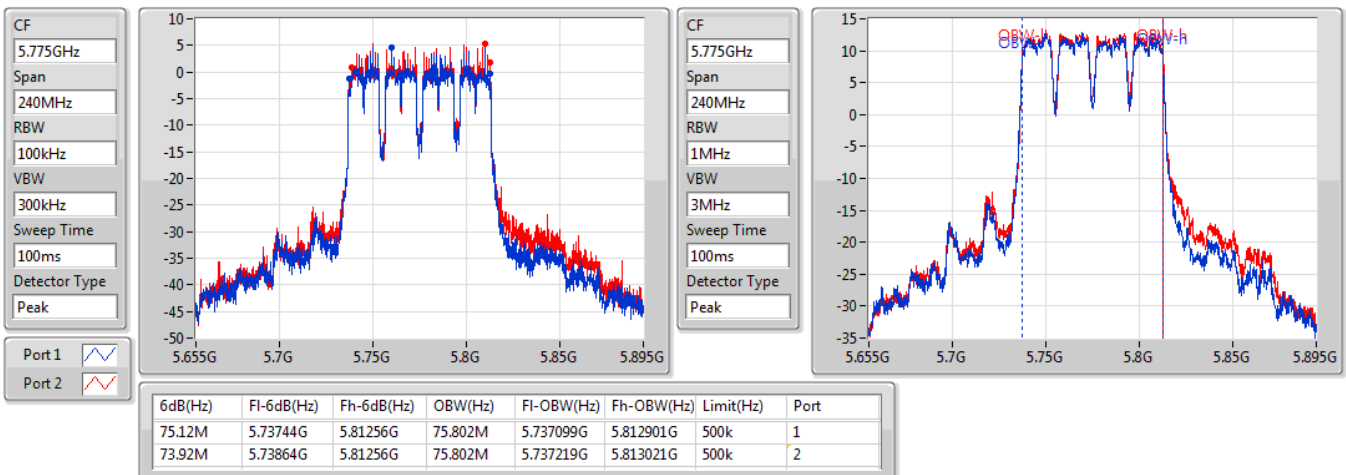


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5210MHz

19/05/2020


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5775MHz

13/05/2020





<Master>

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	25.71	0.37239
802.11ac VHT20_Nss1,(MCS0)_2TX	26.09	0.40644
802.11ac VHT40_Nss1,(MCS0)_2TX	24.80	0.30200
802.11ac VHT80_Nss1,(MCS0)_2TX	17.82	0.06053
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.58	0.18113
802.11ac VHT20_Nss1,(MCS0)_2TX	22.01	0.15885
802.11ac VHT40_Nss1,(MCS0)_2TX	22.20	0.16596
802.11ac VHT80_Nss1,(MCS0)_2TX	23.83	0.24155



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.07	19.43	19.91	22.69	30.00
5200MHz	Pass	5.07	22.51	22.89	25.71	30.00
5240MHz	Pass	5.07	22.18	22.58	25.39	30.00
5745MHz	Pass	5.07	19.41	19.72	22.58	30.00
5785MHz	Pass	5.07	19.38	19.71	22.56	30.00
5825MHz	Pass	5.07	18.07	18.81	21.47	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.07	19.38	19.73	22.57	30.00
5200MHz	Pass	5.07	22.83	23.31	26.09	30.00
5240MHz	Pass	5.07	22.64	22.97	25.82	30.00
5745MHz	Pass	5.07	18.80	19.19	22.01	30.00
5785MHz	Pass	5.07	17.52	17.85	20.70	30.00
5825MHz	Pass	5.07	18.39	19.09	21.76	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.07	17.62	17.93	20.79	30.00
5230MHz	Pass	5.07	21.68	21.90	24.80	30.00
5755MHz	Pass	5.07	18.89	19.20	22.06	30.00
5795MHz	Pass	5.07	19.01	19.37	22.20	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.07	14.67	14.95	17.82	30.00
5775MHz	Pass	5.07	20.57	21.06	23.83	30.00

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

<Client without radar detection>

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	21.77	0.15031
802.11ac VHT20_Nss1,(MCS0)_2TX	21.76	0.14997
802.11ac VHT40_Nss1,(MCS0)_2TX	23.26	0.21184
802.11ac VHT80_Nss1,(MCS0)_2TX	17.82	0.06053
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.58	0.18113
802.11ac VHT20_Nss1,(MCS0)_2TX	21.76	0.14997
802.11ac VHT40_Nss1,(MCS0)_2TX	22.20	0.16596
802.11ac VHT80_Nss1,(MCS0)_2TX	23.83	0.24155

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.07	18.45	18.84	21.66	23.98
5200MHz	Pass	5.07	18.36	18.78	21.59	23.98
5240MHz	Pass	5.07	18.61	18.91	21.77	23.98
5745MHz	Pass	5.07	19.41	19.72	22.58	30.00
5785MHz	Pass	5.07	19.38	19.71	22.56	30.00
5825MHz	Pass	5.07	18.07	18.81	21.47	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.07	18.41	18.88	21.66	23.98
5200MHz	Pass	5.07	18.32	18.65	21.50	23.98
5240MHz	Pass	5.07	18.57	18.92	21.76	23.98
5745MHz	Pass	5.07	18.80	17.19	21.08	30.00
5785MHz	Pass	5.07	17.52	17.85	20.70	30.00
5825MHz	Pass	5.07	18.39	19.09	21.76	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.07	17.62	17.93	20.79	23.98
5230MHz	Pass	5.07	19.92	20.56	23.26	23.98
5755MHz	Pass	5.07	18.89	19.20	22.06	30.00
5795MHz	Pass	5.07	19.01	19.37	22.20	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.07	14.67	14.95	17.82	23.98
5775MHz	Pass	5.07	20.57	21.06	23.83	30.00

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

<Master>

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	12.86
802.11ac VHT20_Nss1,(MCS0)_2TX	13.17
802.11ac VHT40_Nss1,(MCS0)_2TX	10.47
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.35
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.06
802.11ac VHT20_Nss1,(MCS0)_2TX	7.53
802.11ac VHT40_Nss1,(MCS0)_2TX	6.54
802.11ac VHT80_Nss1,(MCS0)_2TX	4.23

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.84	6.85	7.17	9.83	15.16
5200MHz	Pass	7.84	9.96	10.14	12.86	15.16
5240MHz	Pass	7.84	9.55	9.91	12.60	15.16
5745MHz	Pass	7.84	4.85	5.16	7.87	28.16
5785MHz	Pass	7.84	5.03	5.45	8.06	28.16
5825MHz	Pass	7.84	3.96	4.02	6.81	28.16
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.84	6.66	7.19	9.73	15.16
5200MHz	Pass	7.84	10.10	10.58	13.17	15.16
5240MHz	Pass	7.84	9.80	10.31	12.88	15.16
5745MHz	Pass	7.84	4.66	4.56	7.53	28.16
5785MHz	Pass	7.84	3.22	3.61	6.31	28.16
5825MHz	Pass	7.84	4.64	4.42	7.34	28.16
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.84	1.73	2.13	4.87	15.16
5230MHz	Pass	7.84	7.66	7.75	10.47	15.16
5755MHz	Pass	7.84	3.34	3.50	6.42	28.16
5795MHz	Pass	7.84	3.49	3.78	6.54	28.16
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.84	-4.42	-4.08	-1.35	15.16
5775MHz	Pass	7.84	1.19	1.43	4.23	28.16

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

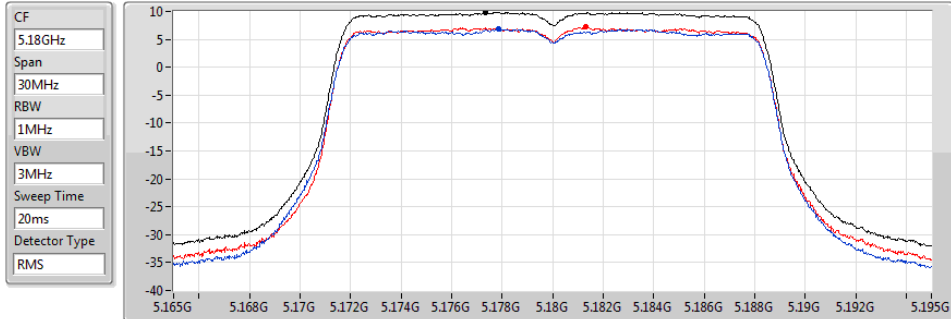
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

13/05/2020



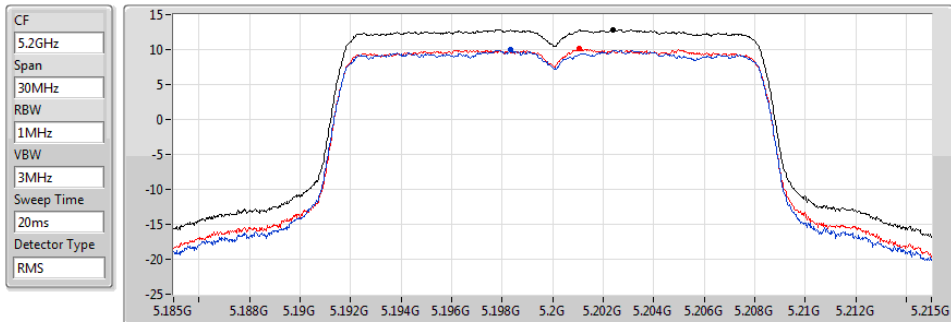
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.83	9.83	6.85	7.17

802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

13/05/2020



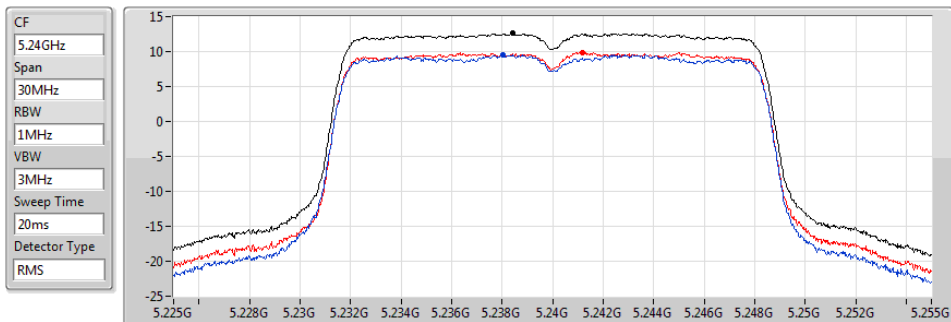
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.86	12.86	9.96	10.14

802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

13/05/2020



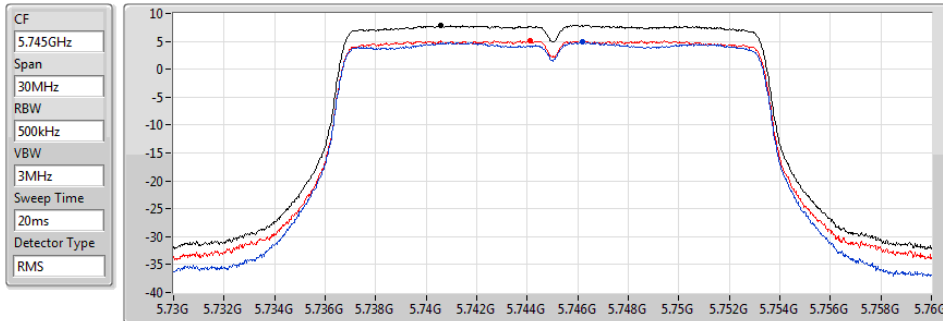
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.60	12.60	9.55	9.91

802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

19/05/2020

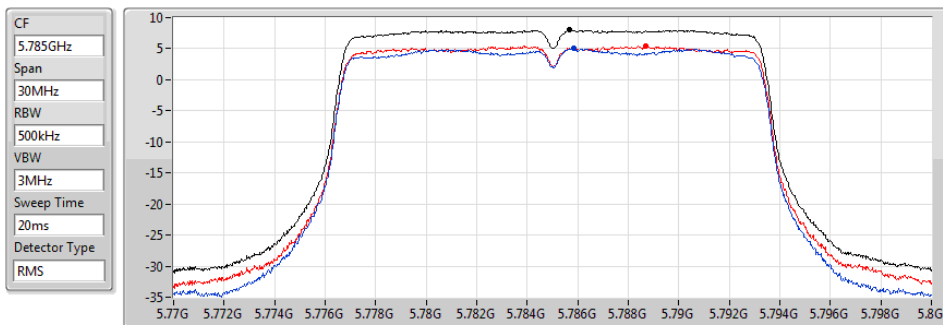


802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

19/05/2020

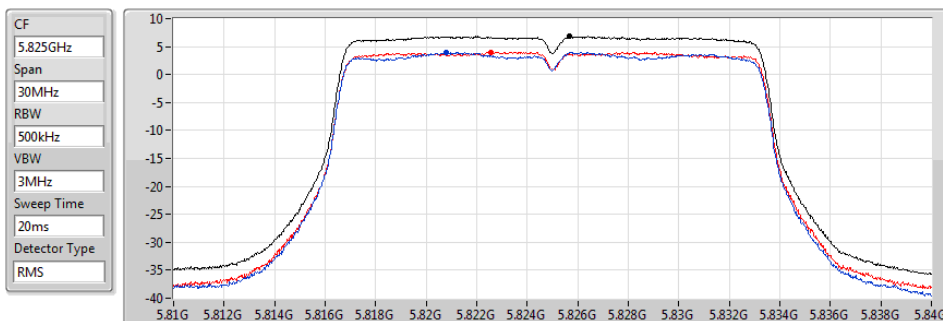


802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

19/05/2020

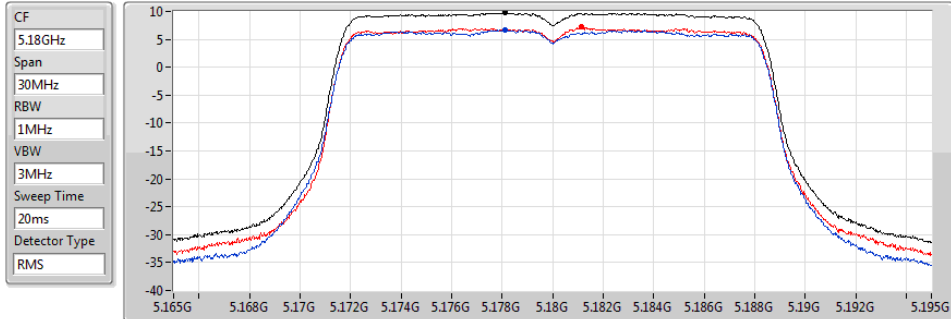


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5180MHz

13/05/2020



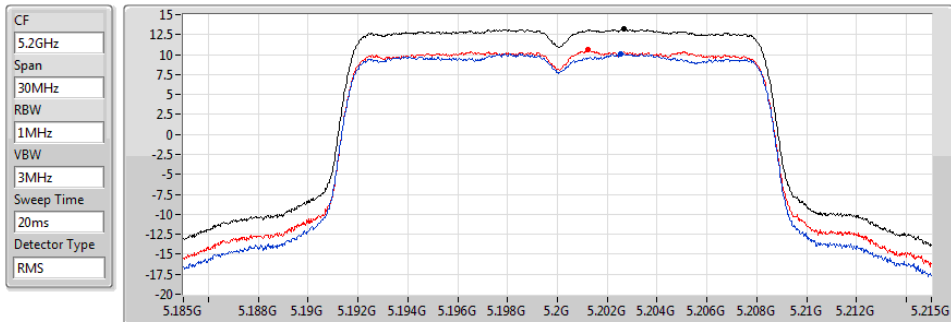
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.73	9.73	6.66	7.19

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5200MHz

13/05/2020



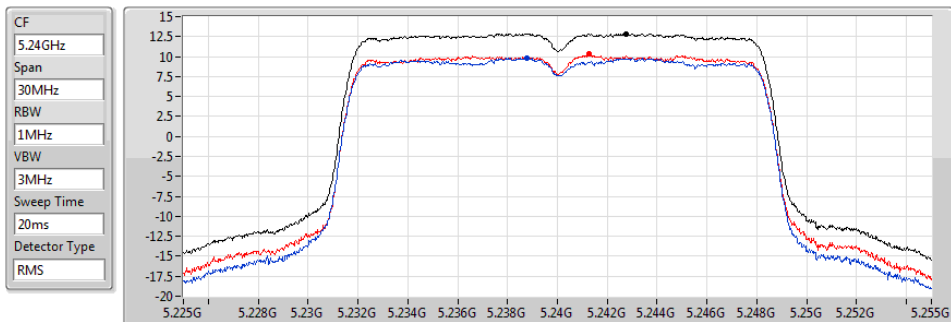
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
13.17	13.17	10.10	10.58

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

13/05/2020



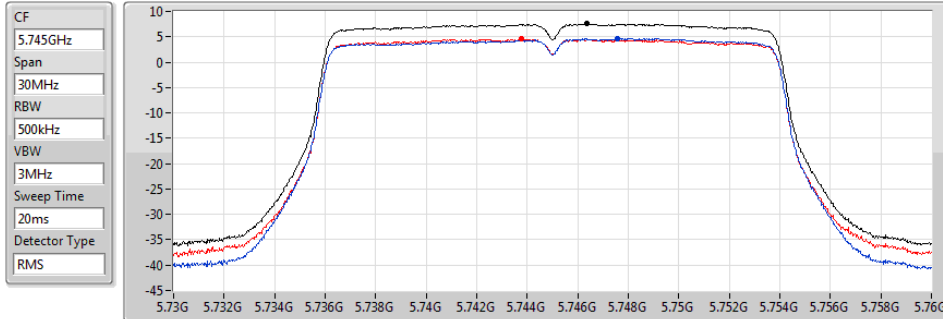
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.88	12.88	9.80	10.31

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5745MHz

19/05/2020



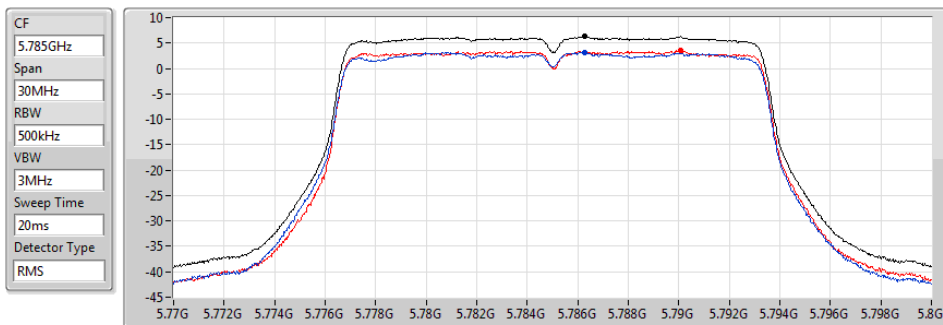
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.53	7.53	4.66	4.56

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5785MHz

13/05/2020



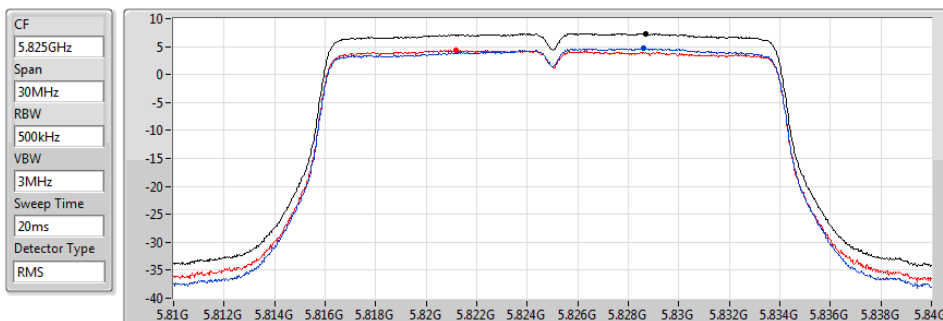
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.31	6.31	3.22	3.61

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5825MHz

19/05/2020



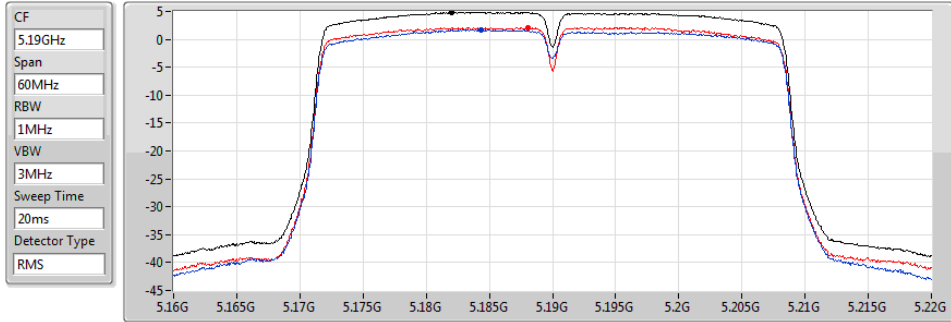
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.34	7.34	4.64	4.42

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5190MHz

19/05/2020



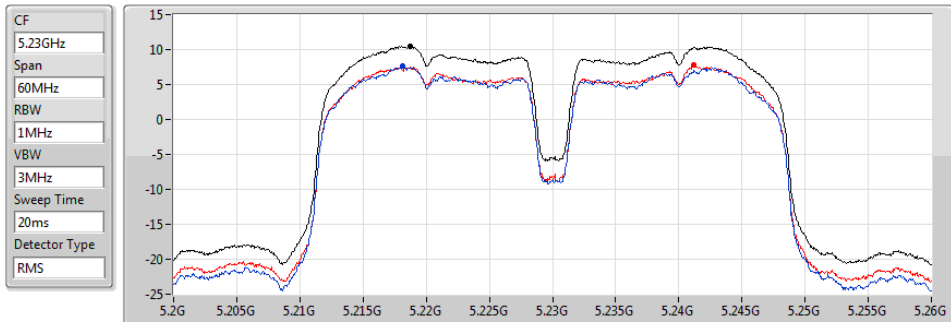
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.87	4.87	1.73	2.13

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

13/05/2020



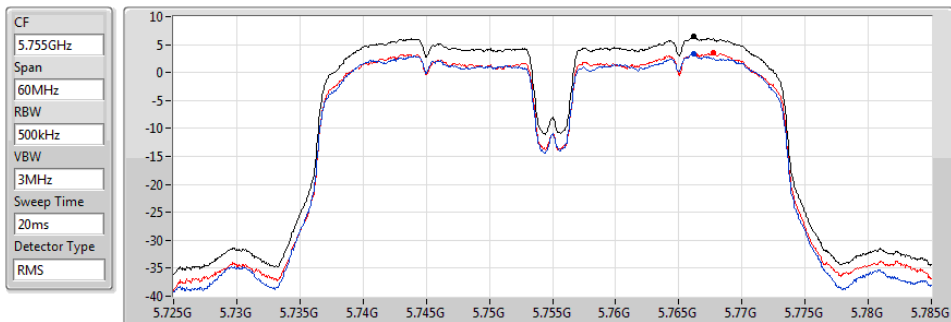
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.47	10.47	7.66	7.75

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5755MHz

13/05/2020



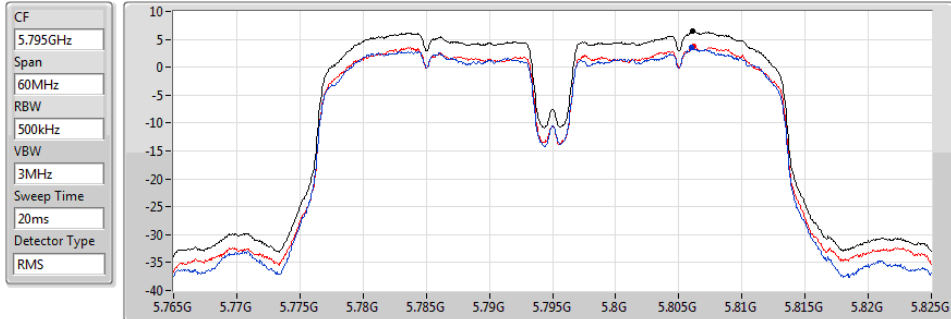
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.42	6.42	3.34	3.50

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

13/05/2020



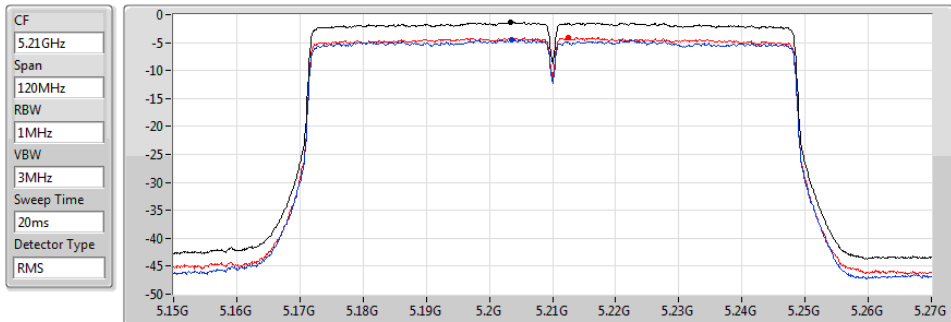
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.54	6.54	3.49	3.78

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

19/05/2020



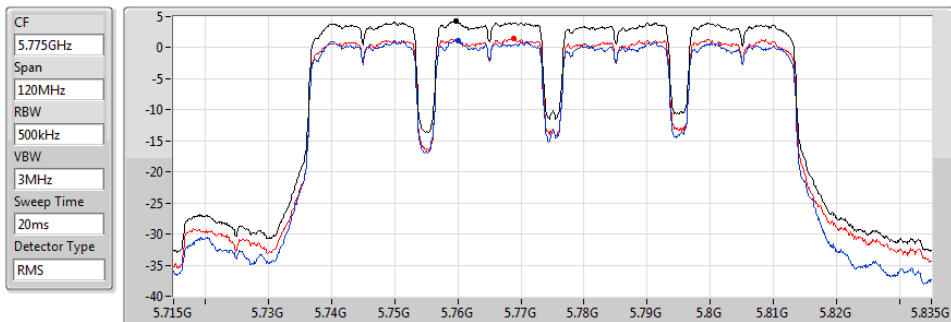
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.35	-1.35	-4.42	-4.08

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

13/05/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.23	4.23	1.19	1.43

<Client without radar detection>**Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.04
802.11ac VHT20_Nss1,(MCS0)_2TX	8.96
802.11ac VHT40_Nss1,(MCS0)_2TX	8.93
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.35
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.06
802.11ac VHT20_Nss1,(MCS0)_2TX	7.53
802.11ac VHT40_Nss1,(MCS0)_2TX	6.54
802.11ac VHT80_Nss1,(MCS0)_2TX	4.23

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.84	5.92	6.48	8.93	9.16
5200MHz	Pass	7.84	5.77	6.34	8.90	9.16
5240MHz	Pass	7.84	5.94	6.45	9.04	9.16
5745MHz	Pass	7.84	4.85	5.16	7.87	28.16
5785MHz	Pass	7.84	5.03	5.45	8.06	28.16
5825MHz	Pass	7.84	3.96	4.02	6.81	28.16
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.84	5.81	6.35	8.90	9.16
5200MHz	Pass	7.84	5.73	6.29	8.81	9.16
5240MHz	Pass	7.84	5.83	6.47	8.96	9.16
5745MHz	Pass	7.84	4.66	4.56	7.53	28.16
5785MHz	Pass	7.84	3.22	3.61	6.31	28.16
5825MHz	Pass	7.84	4.64	4.42	7.34	28.16
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.84	1.73	2.13	4.87	9.16
5230MHz	Pass	7.84	5.83	6.13	8.93	9.16
5755MHz	Pass	7.84	3.34	3.50	6.42	28.16
5795MHz	Pass	7.84	3.49	3.78	6.54	28.16
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.84	-4.42	-4.08	-1.35	9.16
5775MHz	Pass	7.84	1.19	1.43	4.23	28.16

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

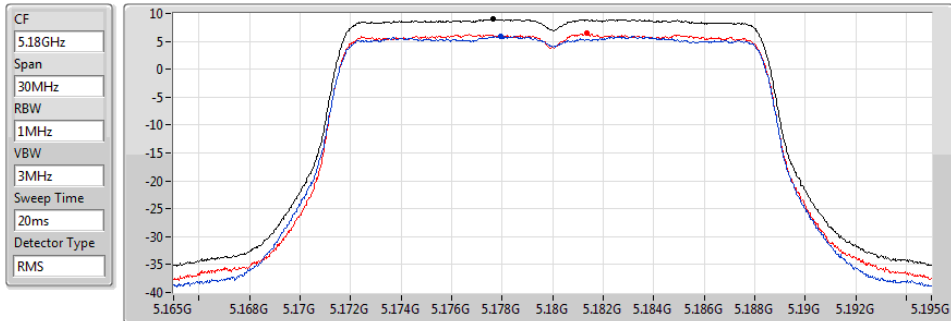
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

13/05/2020



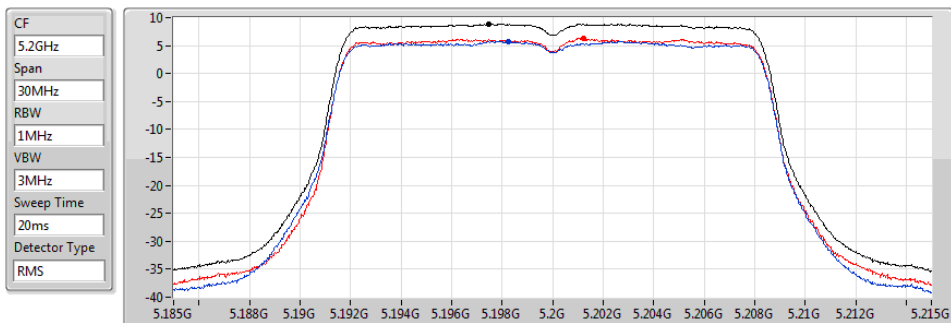
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.93	8.93	5.92	6.48

802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

13/05/2020



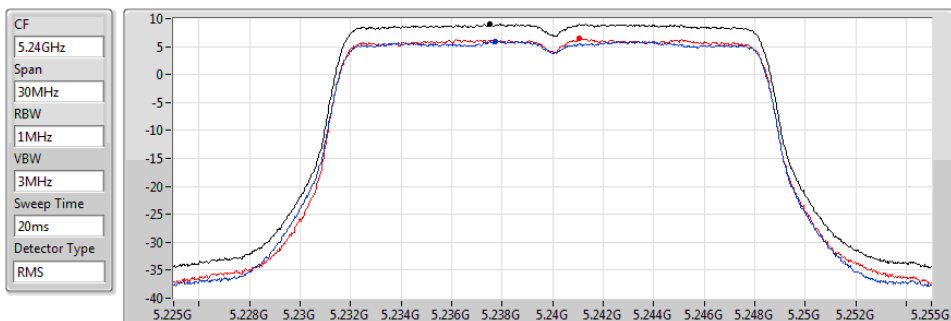
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.90	8.90	5.77	6.34

802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

13/05/2020



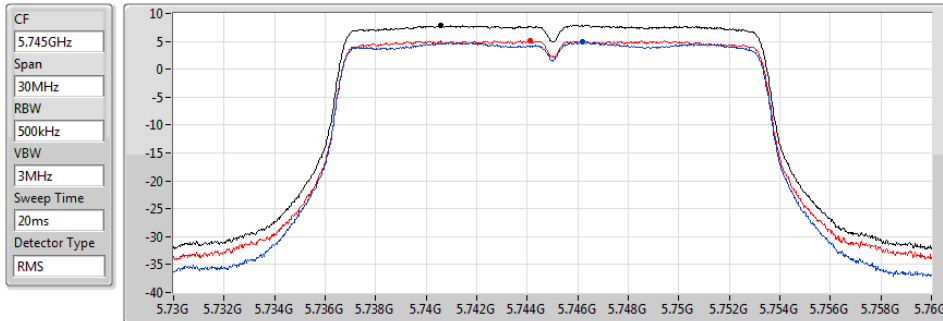
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.04	9.04	5.94	6.45

802.11a_Nss1,(6Mbps)_2TX

5745MHz

PSD

19/05/2020



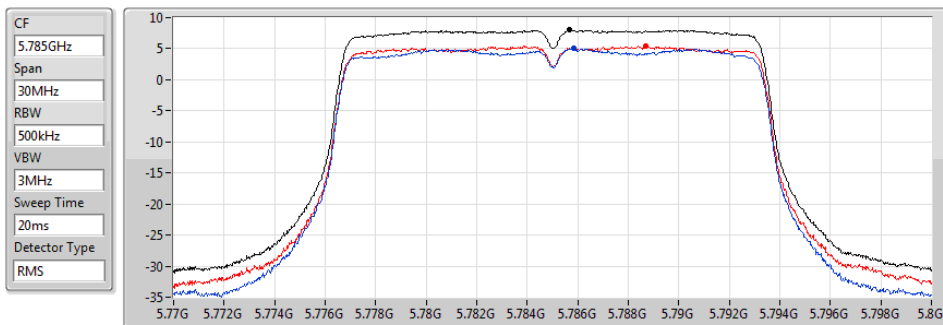
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.87	7.87	4.85	5.16

802.11a_Nss1,(6Mbps)_2TX

5785MHz

PSD

19/05/2020



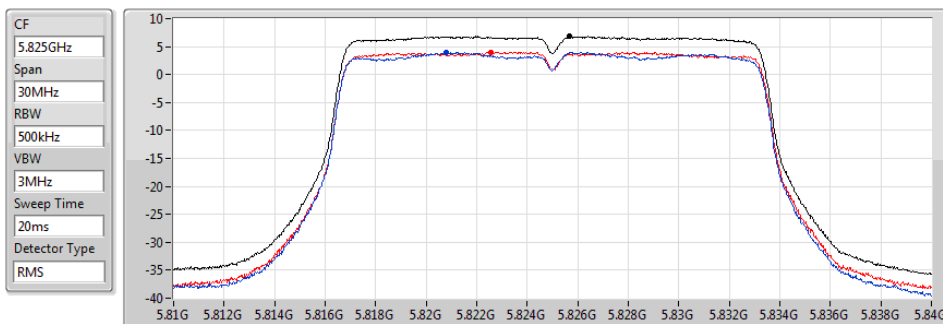
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.06	8.06	5.03	5.45

802.11a_Nss1,(6Mbps)_2TX

5825MHz

PSD

19/05/2020



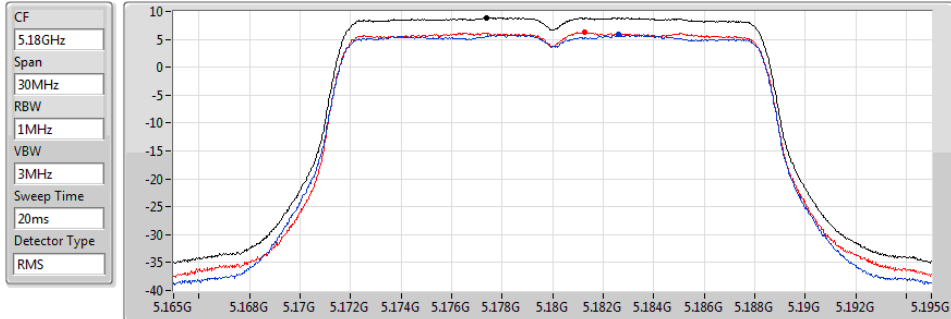
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.81	6.81	3.96	4.02

802.11ac VHT20_Nss1,(MCS0)_2TX

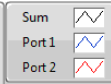
PSD

5180MHz

13/05/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.90	8.90	5.81	6.35

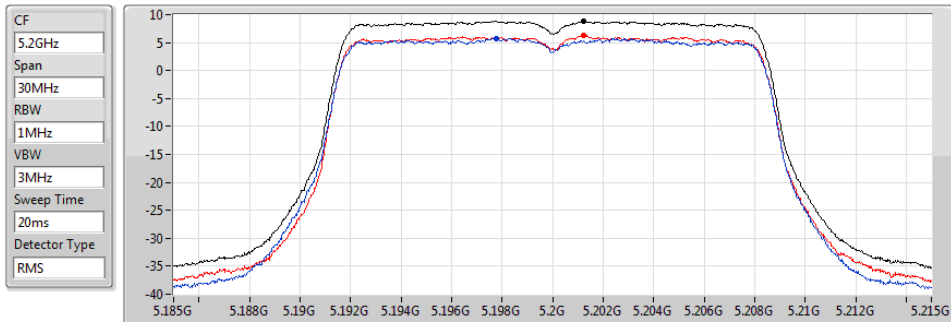


802.11ac VHT20_Nss1,(MCS0)_2TX

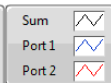
PSD

5200MHz

13/05/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.81	8.81	5.73	6.29

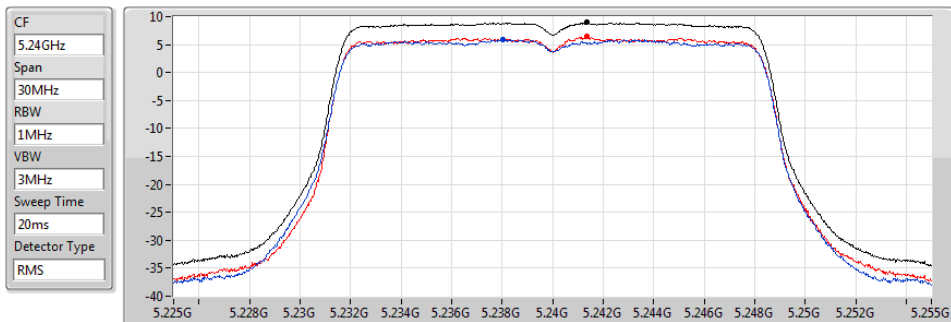


802.11ac VHT20_Nss1,(MCS0)_2TX

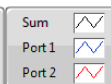
PSD

5240MHz

13/05/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.96	8.96	5.83	6.47

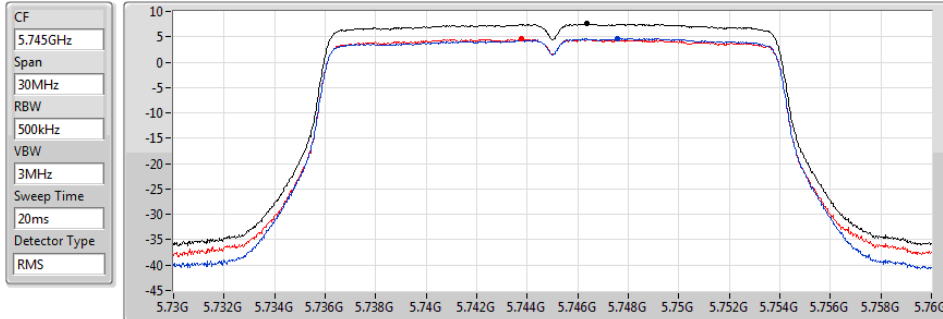


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5745MHz

19/05/2020



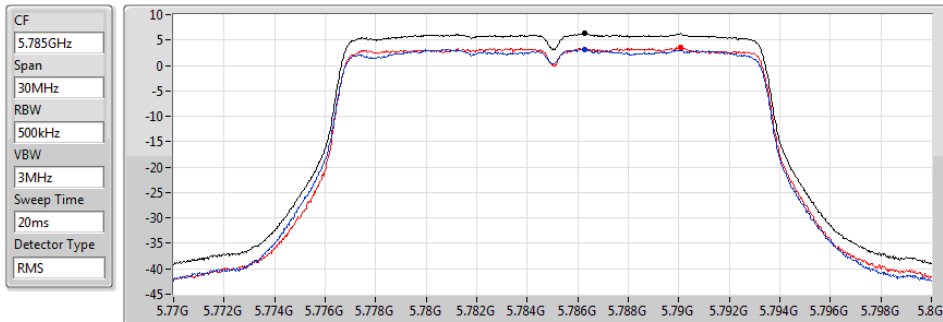
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.53	7.53	4.66	4.56

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5785MHz

13/05/2020



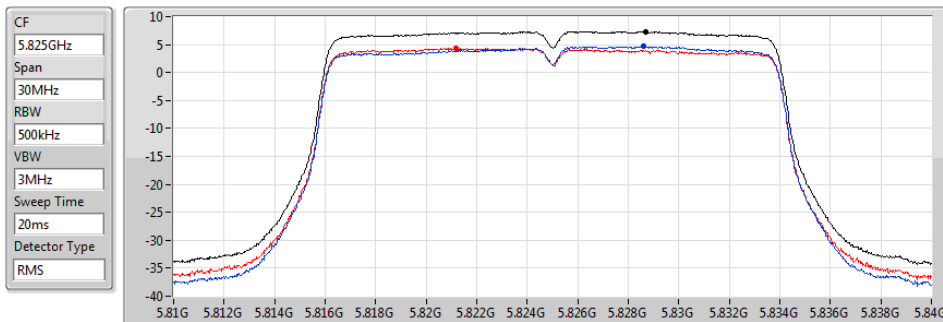
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.31	6.31	3.22	3.61

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5825MHz

19/05/2020



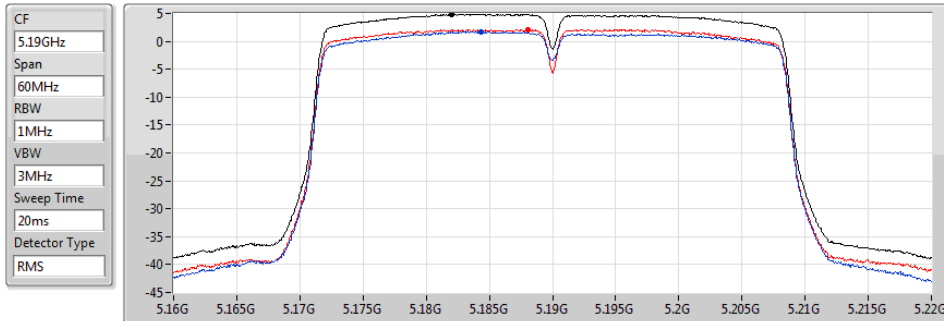
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.34	7.34	4.64	4.42

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5190MHz

19/05/2020



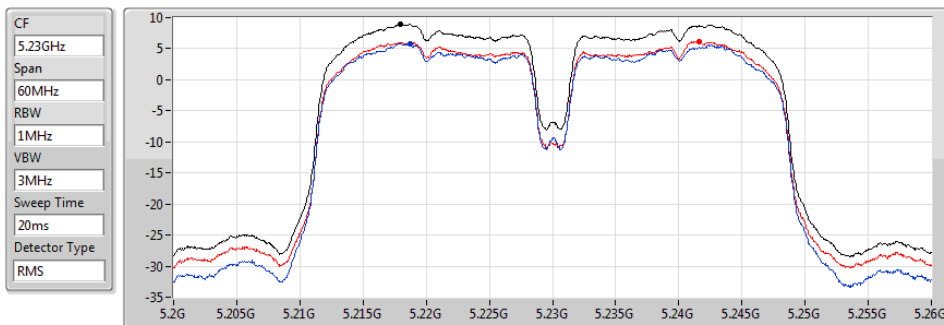
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.87	4.87	1.73	2.13

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

13/05/2020



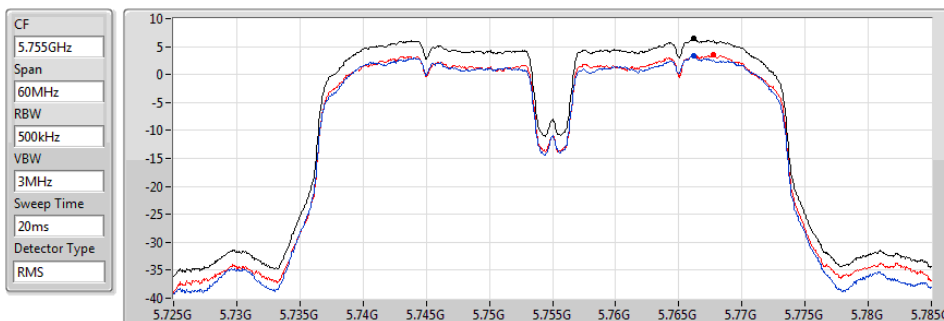
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.93	8.93	5.83	6.13

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5755MHz

13/05/2020



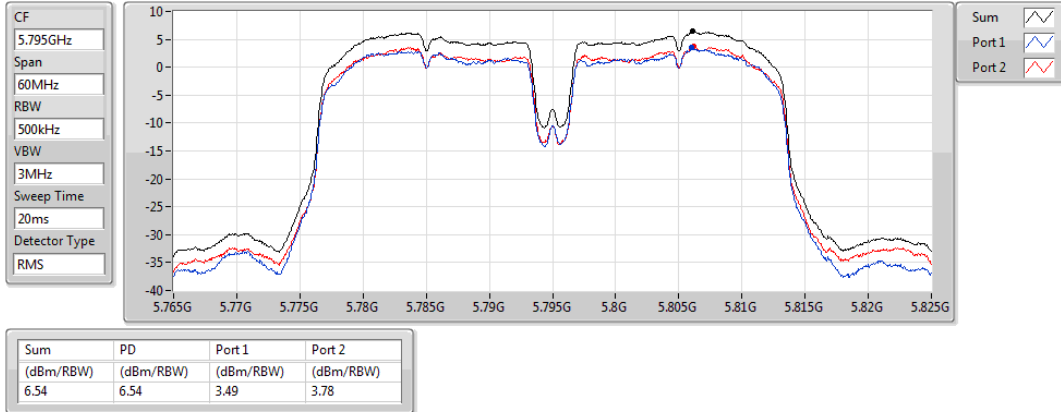
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.42	6.42	3.34	3.50

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

13/05/2020

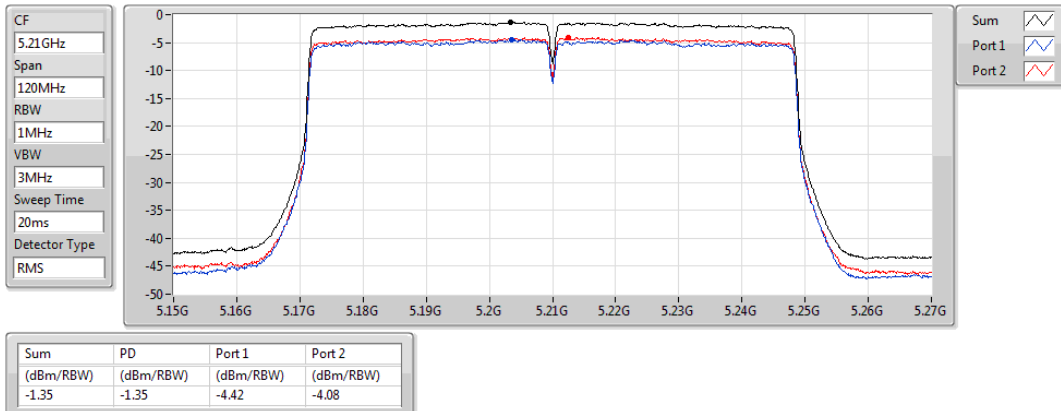


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

19/05/2020

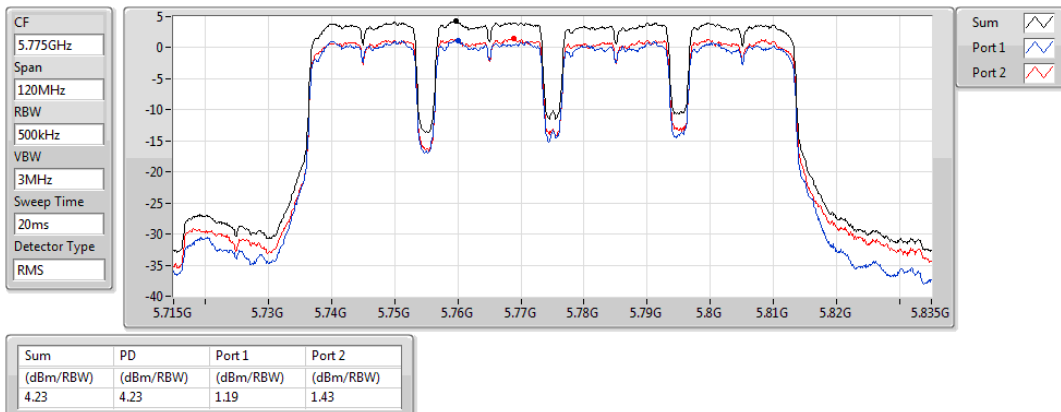


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

13/05/2020





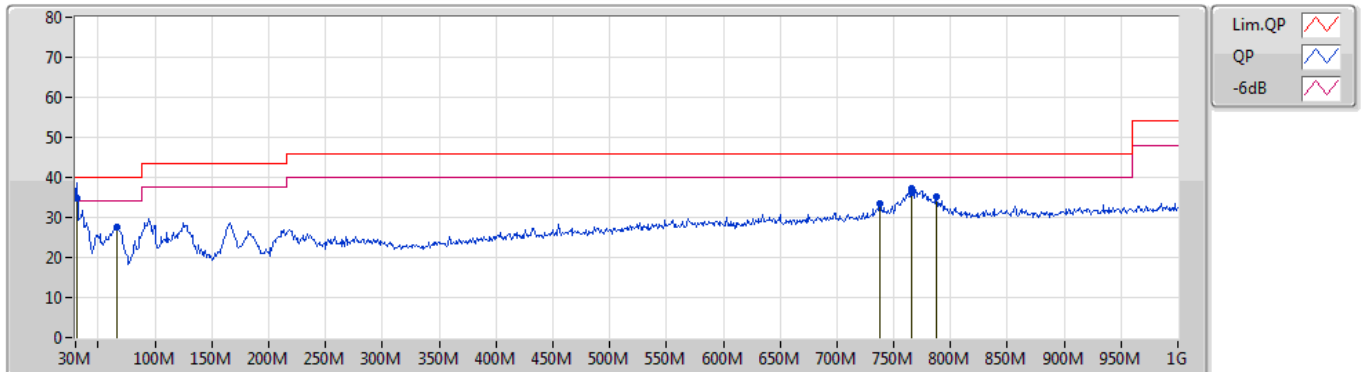
Radiated Emissions below 1GHz

Appendix E.1

Summary

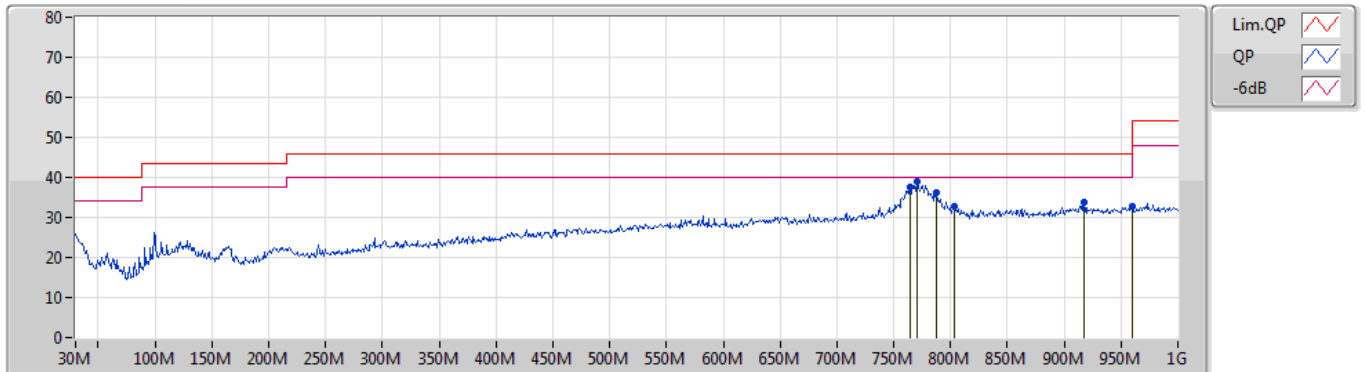
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	30.97M	34.73	40.00	-5.27	Vertical

14/05/2020



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30.97M	34.73	40.00	-5.27	-8.09	3	Vertical	275	1.00	"Worst"	42.82	23.57	0.70	32.36
PK	65.89M	27.55	40.00	-12.45	-19.23	3	Vertical	217	1.50	-	46.78	12.25	0.92	32.40
PK	738.1M	33.55	46.00	-12.45	-3.29	3	Vertical	200	1.00	-	36.84	25.70	3.28	32.27
PK	765.26M	36.23	46.00	-9.77	-3.08	3	Vertical	328	2.00	-	39.31	25.83	3.30	32.21
PK	766.23M	37.21	46.00	-8.79	-3.08	3	Vertical	161	1.00	-	40.29	25.83	3.30	32.21
PK	787.57M	35.15	46.00	-10.85	-2.97	3	Vertical	360	2.00	-	38.12	25.93	3.30	32.20

14/05/2020



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	764.29M	37.44	46.00	-8.56	-3.08	3	Horizontal	79	1.25	-	40.52	25.83	3.30	32.21
PK	770.11M	38.91	46.00	-7.09	-3.06	3	Horizontal	79	1.25	"Worst"	41.97	25.85	3.30	32.21
PK	787.57M	36.05	46.00	-9.95	-2.97	3	Horizontal	71	1.25	-	39.02	25.93	3.30	32.20
PK	803.09M	32.69	46.00	-13.31	-2.86	3	Horizontal	87	1.25	-	35.55	26.00	3.31	32.17
PK	917.55M	33.73	46.00	-12.27	-1.18	3	Horizontal	290	3.00	-	34.91	26.76	3.67	31.61
PK	960M	32.60	54.00	-21.40	-0.53	3	Horizontal	202	3.00	-	33.13	26.98	3.80	31.31



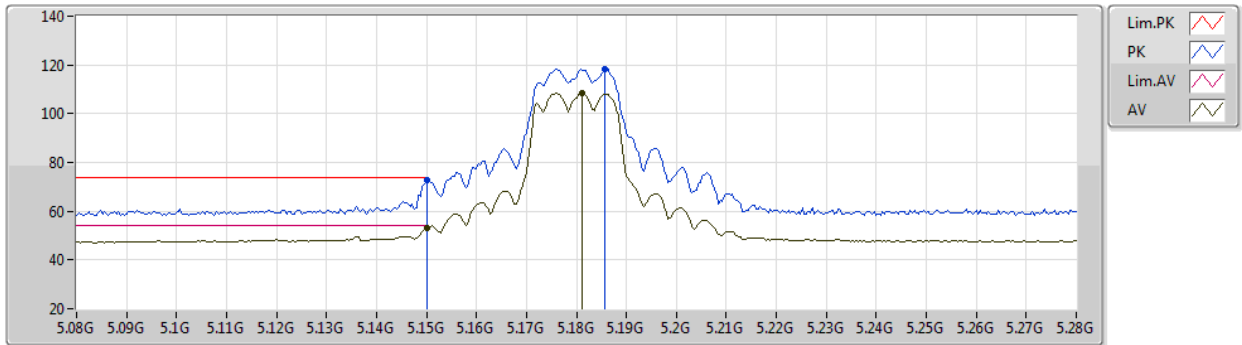
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1.(MCS0)_2TX	Pass	AV	15.5962G	53.86	54.00	-0.14	3	Vertical	146	1.90	-

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5180MHz_TX



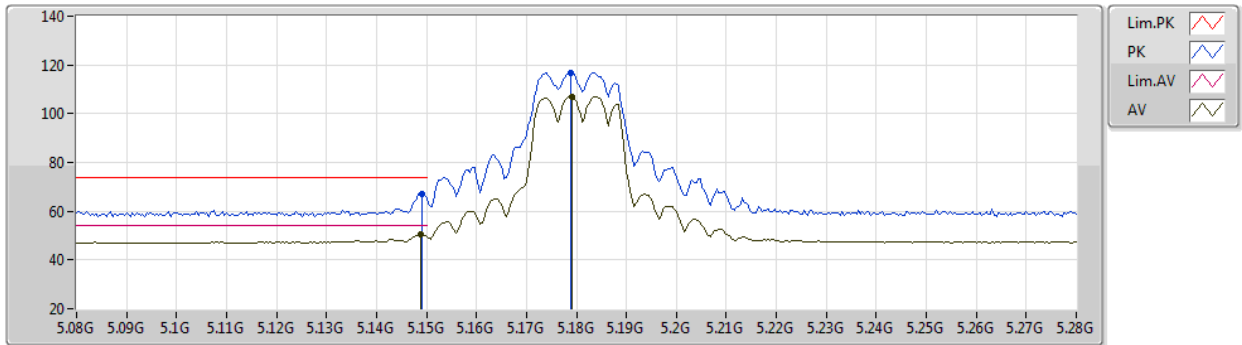
EUT Y_2TX
Setting 20
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.15G	72.63	74.00	-1.37	66.62	3	Vertical	40	1.79	-	34.05	6.73	34.77	
AV	5.15G	53.05	54.00	-0.95	47.04	3	Vertical	40	1.79	-	34.05	6.73	34.77	
PK	5.1856G	118.53	Inf	-Inf	112.48	3	Vertical	40	1.79	-	34.09	6.76	34.80	
AV	5.1812G	108.66	Inf	-Inf	102.62	3	Vertical	40	1.79	-	34.08	6.76	34.80	

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5180MHz_TX



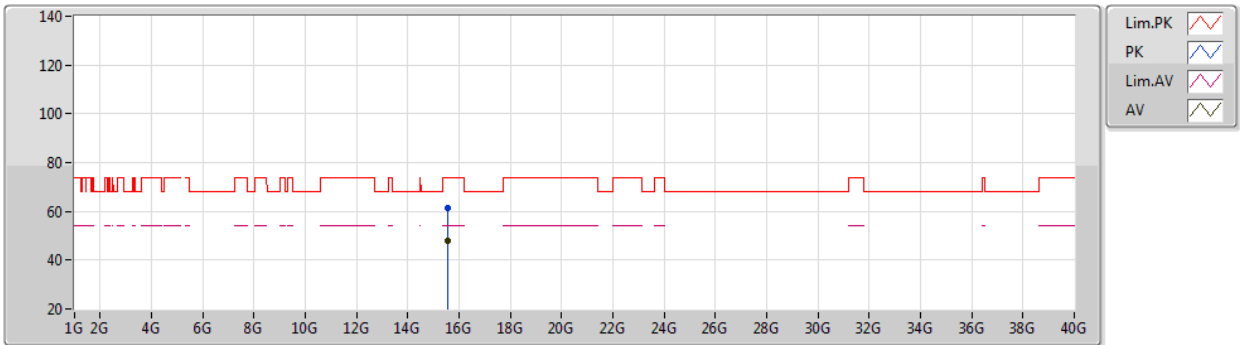
EUT Y_2TX
Setting 20
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1492G	67.17	74.00	-6.83	61.16	3	Horizontal	308	1.92	-	34.05	6.73	34.77
AV	5.1488G	50.73	54.00	-3.27	44.72	3	Horizontal	308	1.92	-	34.05	6.73	34.77
PK	5.1788G	116.76	Inf	-Inf	110.72	3	Horizontal	308	1.92	-	34.08	6.76	34.80
AV	5.1792G	107.03	Inf	-Inf	100.99	3	Horizontal	308	1.92	-	34.08	6.76	34.80

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5180MHz_TX



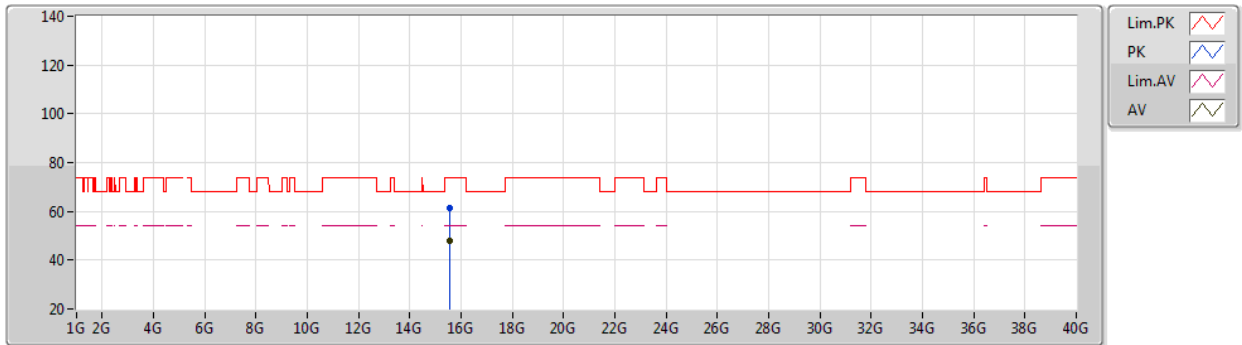
EUT Y_2TX
Setting 20
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.54278G	61.52	74.00	-12.48	45.82	3	Vertical	282	1.80	-	38.87	11.63	34.80	
AV	15.5489G	48.15	54.00	-5.85	32.48	3	Vertical	282	1.80	-	38.85	11.63	34.81	

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5180MHz_TX



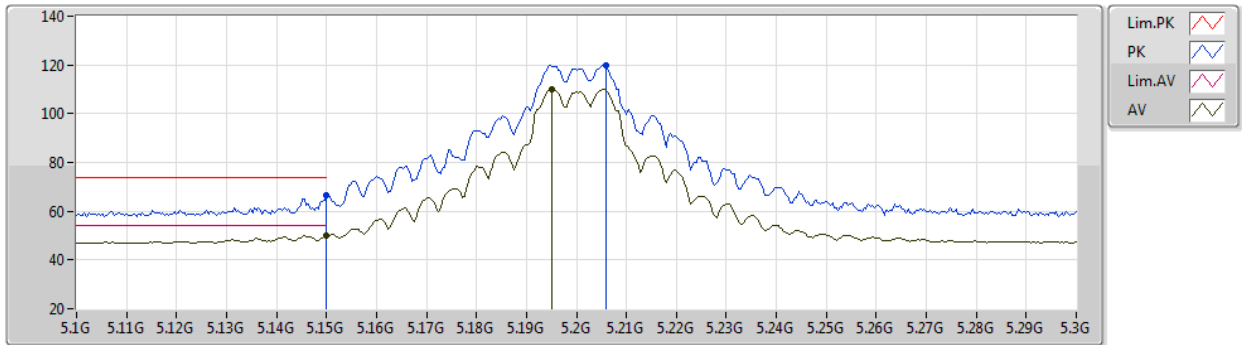
EUT Y_2TX
Setting 20
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.54514G	61.49	74.00	-12.51	45.80	3	Horizontal	127	1.80	-	38.86	11.63	34.80
AV	15.54752G	48.07	54.00	-5.93	32.39	3	Horizontal	127	1.80	-	38.86	11.63	34.81

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5200MHz_TX



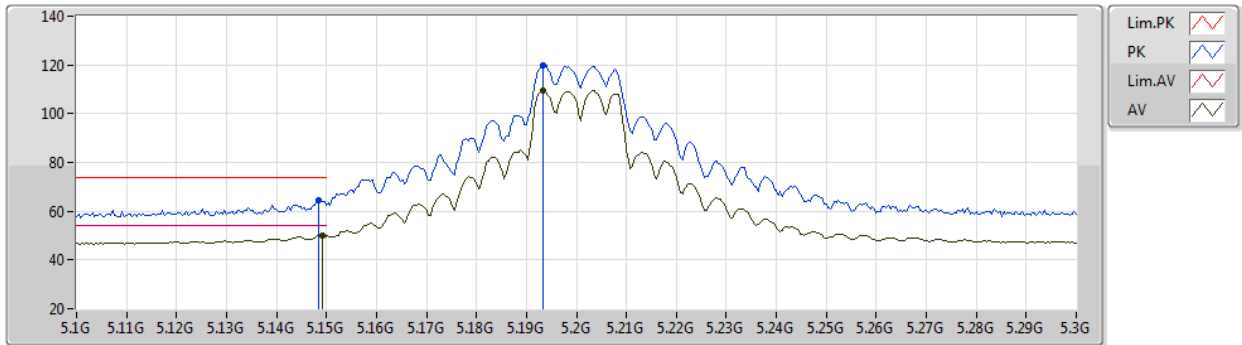
EUT Y_2TX
Setting 23.5
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	66.44	74.00	-7.56	60.43	3	Vertical	51	1.80	-	34.05	6.73	34.77
AV	5.15G	49.80	54.00	-4.20	43.79	3	Vertical	51	1.80	-	34.05	6.73	34.77
PK	5.206G	120.05	Inf	-Inf	113.97	3	Vertical	51	1.80	-	34.11	6.78	34.81
AV	5.1952G	110.09	Inf	-Inf	104.03	3	Vertical	51	1.80	-	34.10	6.77	34.81

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5200MHz_TX



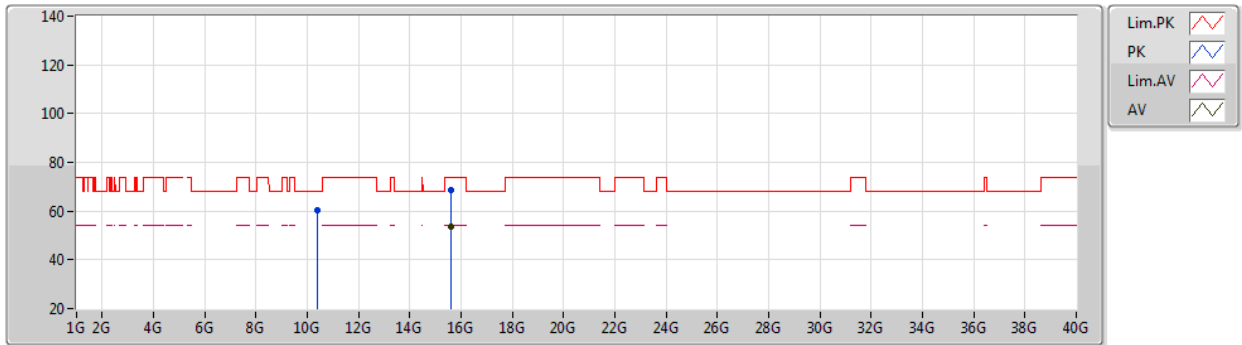
EUT Y_2TX
Setting 23.5
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1484G	64.33	74.00	-9.67	58.32	3	Horizontal	310	1.80	-	34.05	6.73	34.77
AV	5.1492G	50.07	54.00	-3.93	44.06	3	Horizontal	310	1.80	-	34.05	6.73	34.77
PK	5.1932G	120.07	Inf	-Inf	114.02	3	Horizontal	310	1.80	-	34.09	6.77	34.81
AV	5.1932G	109.39	Inf	-Inf	103.34	3	Horizontal	310	1.80	-	34.09	6.77	34.81

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5200MHz_TX



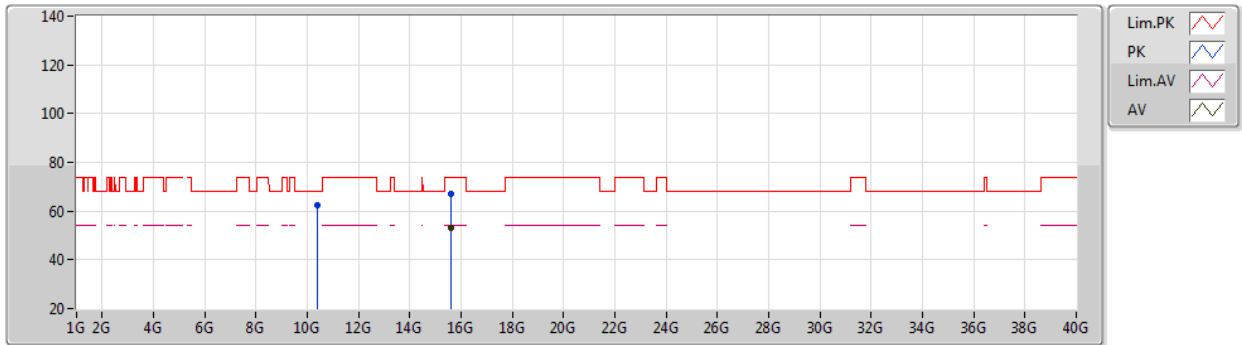
EUT Y_2TX
Setting 23.5
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4051G	60.40	68.20	-7.80	46.97	3	Vertical	344	1.93	-	38.38	10.00	34.95
PK	15.60324G	68.80	74.00	-5.20	53.32	3	Vertical	170	1.65	-	38.69	11.66	34.87
AV	15.6033G	53.58	54.00	-0.42	38.10	3	Vertical	170	1.65	-	38.69	11.66	34.87

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5200MHz_TX



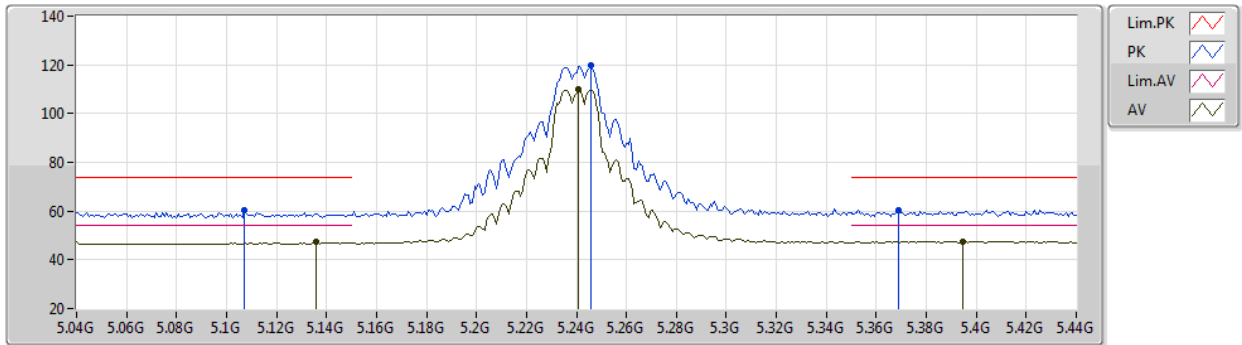
EUT Y_2TX
Setting 23.5
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4015G	62.27	68.20	-5.93	48.85	3	Horizontal	212	1.59	-	38.38	10.00	34.96
PK	15.6033G	66.90	74.00	-7.10	51.42	3	Horizontal	177	1.58	-	38.69	11.66	34.87
AV	15.59814G	53.20	54.00	-0.80	37.69	3	Horizontal	177	1.58	-	38.71	11.66	34.86

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5240MHz_TX



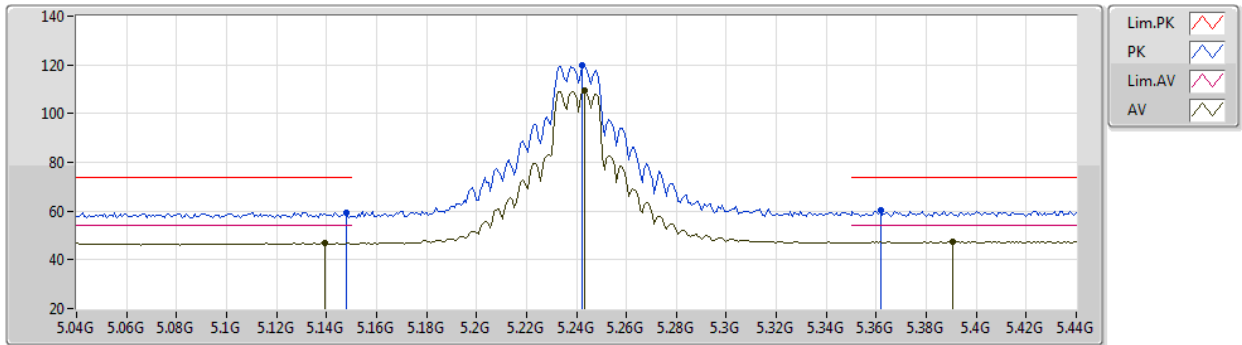
EUT Y_2TX
Setting 23.5
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1072G	60.09	74.00	-13.91	54.12	3	Vertical	40	1.85	-	34.01	6.71	34.75
AV	5.136G	47.24	54.00	-6.76	41.24	3	Vertical	40	1.85	-	34.04	6.73	34.77
PK	5.2456G	119.70	Inf	-Inf	113.54	3	Vertical	40	1.85	-	34.19	6.81	34.84
AV	5.2408G	109.76	Inf	-Inf	103.61	3	Vertical	40	1.85	-	34.18	6.81	34.84
PK	5.3688G	60.54	74.00	-13.46	54.19	3	Vertical	40	1.85	-	34.37	6.91	34.93
AV	5.3944G	47.62	54.00	-6.38	41.25	3	Vertical	40	1.85	-	34.39	6.93	34.95

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5240MHz_TX

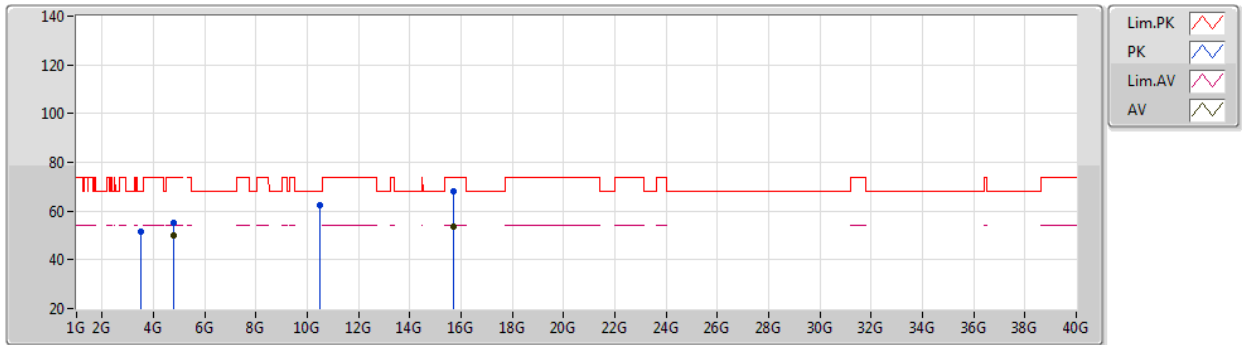

EUT Y_2TX
Setting 23.5
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.148G	59.42	74.00	-14.58	53.41	3	Horizontal	311	1.93	-	34.05	6.73	34.77
AV	5.1392G	46.96	54.00	-7.04	40.96	3	Horizontal	311	1.93	-	34.04	6.73	34.77
PK	5.2424G	119.72	Inf	-Inf	113.57	3	Horizontal	311	1.93	-	34.18	6.81	34.84
AV	5.2432G	109.73	Inf	-Inf	103.57	3	Horizontal	311	1.93	-	34.19	6.81	34.84
PK	5.3616G	60.21	74.00	-13.79	53.87	3	Horizontal	311	1.93	-	34.36	6.90	34.92
AV	5.3904G	47.45	54.00	-6.55	41.08	3	Horizontal	311	1.93	-	34.39	6.92	34.94

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5240MHz_TX



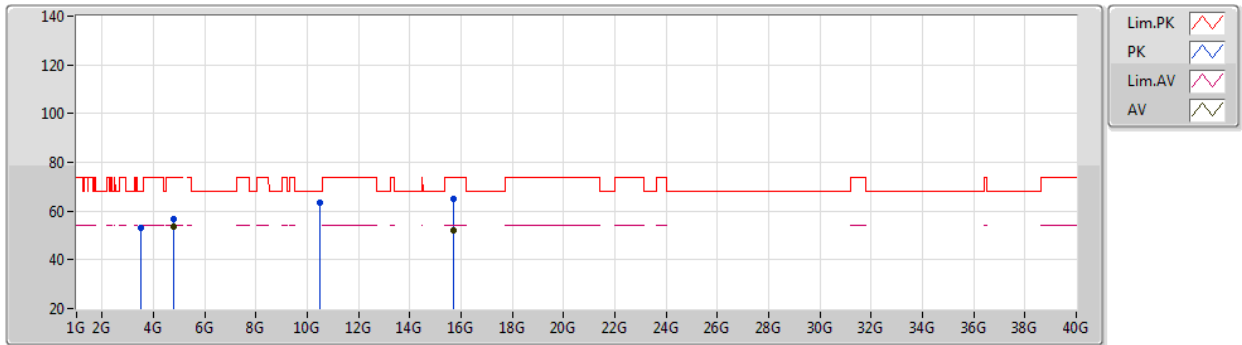
EUT Y_2TX
Setting 23.5
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	3.4934G	51.63	68.20	-16.57	49.68	3	Vertical	178	1.90	-	31.40	5.70	35.15
PK	4.80824G	55.05	74.00	-18.95	49.80	3	Vertical	26	1.71	-	33.52	6.56	34.83
AV	4.80819G	49.80	54.00	-4.20	44.55	3	Vertical	26	1.71	-	33.52	6.56	34.83
PK	10.4849G	62.23	68.20	-5.97	48.71	3	Vertical	344	1.92	-	38.40	10.02	34.90
PK	15.7149G	68.19	74.00	-5.81	53.11	3	Vertical	154	1.89	-	38.36	11.71	34.99
AV	15.7196G	53.76	54.00	-0.24	38.69	3	Vertical	154	1.89	-	38.34	11.72	34.99

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5240MHz_TX



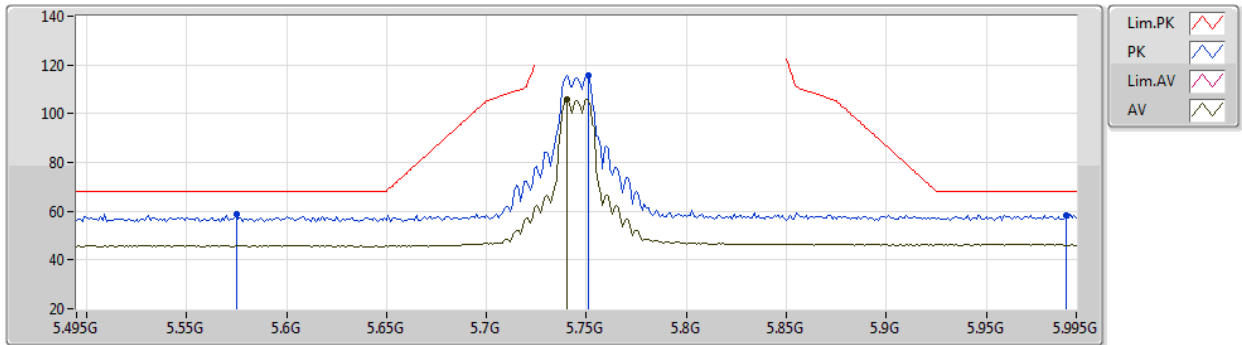
EUT Y_2TX
Setting 23.5
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	3.49357G	53.06	68.20	-15.14	51.11	3	Horizontal	285	2.00	-	31.40	5.70	35.15
PK	4.80699G	56.77	74.00	-17.23	51.53	3	Horizontal	317	1.99	-	33.51	6.56	34.83
AV	4.80689G	53.38	54.00	-0.62	48.14	3	Horizontal	317	1.99	-	33.51	6.56	34.83
PK	10.4845G	63.53	68.20	-4.67	50.01	3	Horizontal	80	1.80	-	38.40	10.02	34.90
PK	15.7146G	65.25	74.00	-8.75	50.17	3	Horizontal	242	1.61	-	38.36	11.71	34.99
AV	15.7201G	52.28	54.00	-1.72	37.21	3	Horizontal	242	1.61	-	38.34	11.72	34.99

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5745MHz_TX



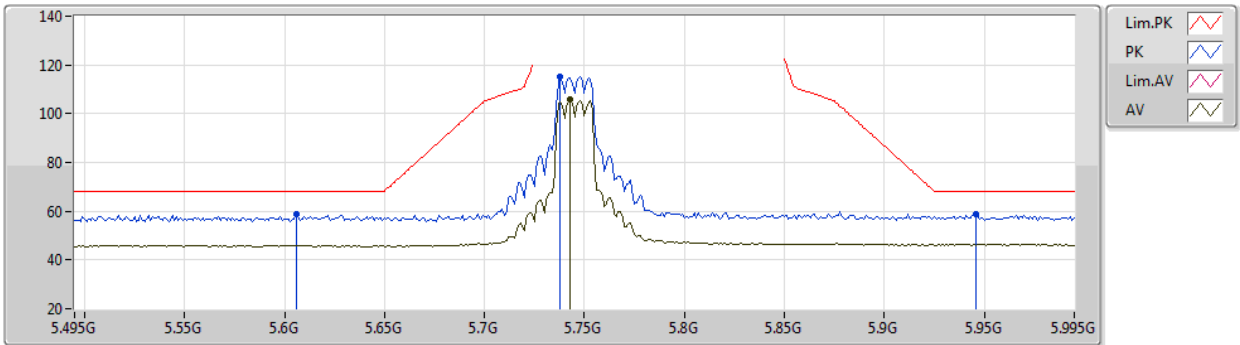
EUT Y_2TX
Setting 20
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.575G	58.90	68.20	-9.30	53.29	3	Vertical	25	1.89	-	31.65	5.80	31.84
PK	5.751G	115.59	Inf	-Inf	109.66	3	Vertical	25	1.89	-	31.90	5.95	31.92
AV	5.74G	105.89	Inf	-Inf	100.01	3	Vertical	25	1.89	-	31.86	5.93	31.91
PK	5.99G	58.34	68.20	-9.86	52.05	3	Vertical	25	1.89	-	32.40	5.91	32.02

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5745MHz_TX



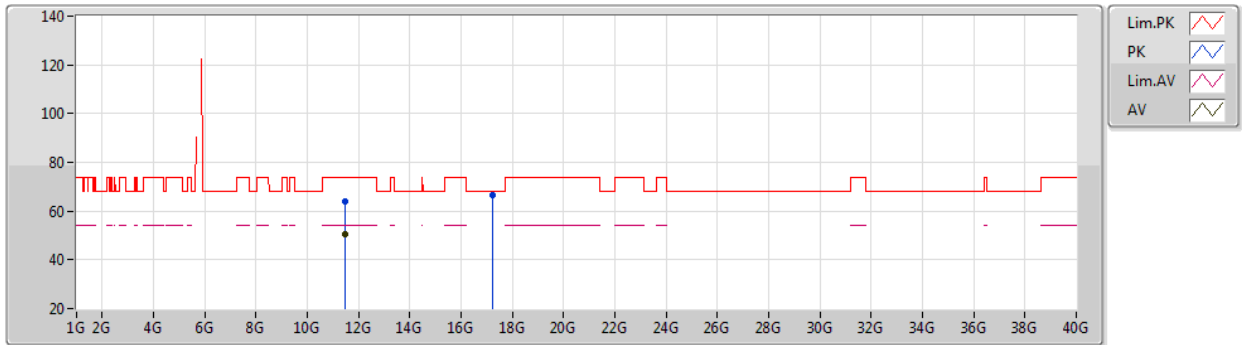
EUT Y_2TX
Setting 20
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.606G	58.56	68.20	-9.64	52.99	3	Horizontal	330	1.81	-	31.61	5.81	31.85
PK	5.738G	115.23	Inf	-Inf	109.36	3	Horizontal	330	1.81	-	31.85	5.93	31.91
AV	5.743G	105.65	Inf	-Inf	99.75	3	Horizontal	330	1.81	-	31.87	5.94	31.91
PK	5.946G	58.79	68.20	-9.41	52.46	3	Horizontal	330	1.81	-	32.40	5.93	32.00

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5745MHz_TX



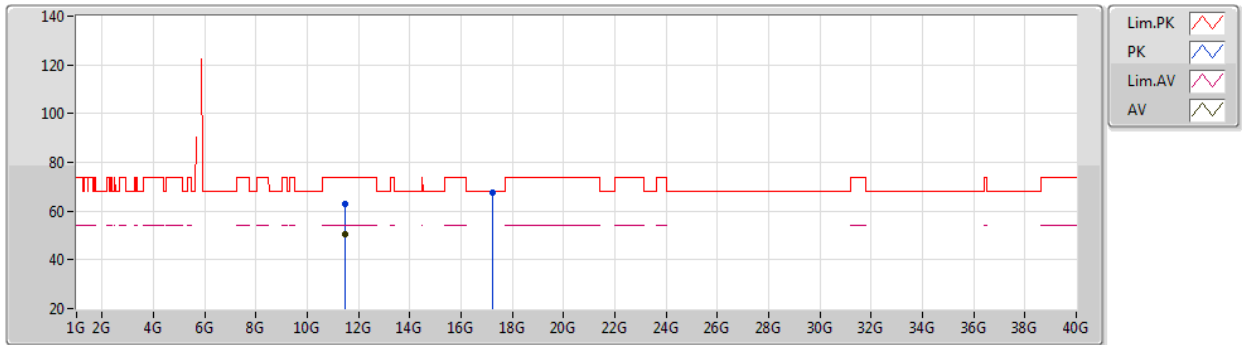
EUT Y_2TX
Setting 20
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48844G	63.89	74.00	-10.11	49.87	3	Vertical	179	1.79	-	39.67	8.12	33.77
AV	11.48808G	50.64	54.00	-3.36	36.62	3	Vertical	179	1.79	-	39.67	8.12	33.77
PK	17.23712G	66.79	68.20	-1.41	48.05	3	Vertical	49	1.74	-	43.07	9.50	33.83

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5745MHz_TX



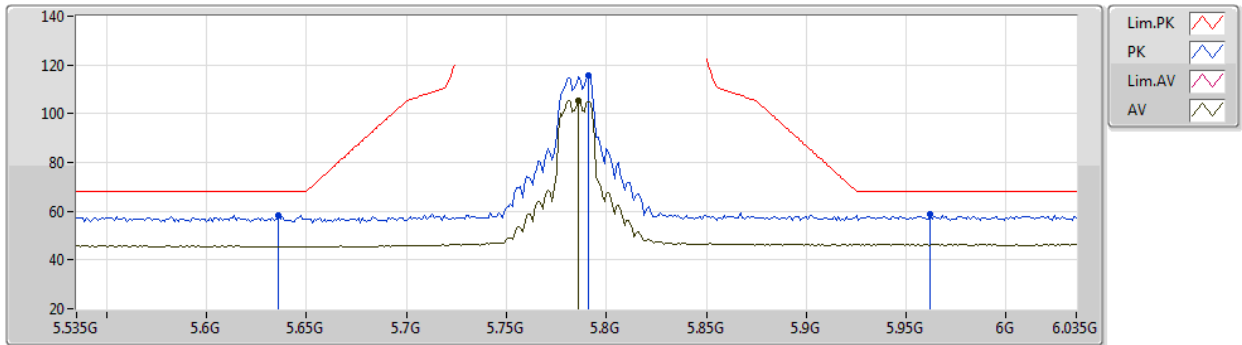
EUT Y_2TX
Setting 20
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48476G	62.81	74.00	-11.19	48.79	3	Horizontal	71	1.80	-	39.67	8.12	33.77
AV	11.49016G	50.28	54.00	-3.72	36.27	3	Horizontal	71	1.80	-	39.66	8.12	33.77
PK	17.235G	67.83	68.20	-0.37	49.11	3	Horizontal	166	1.57	-	43.05	9.50	33.83

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5785MHz_TX



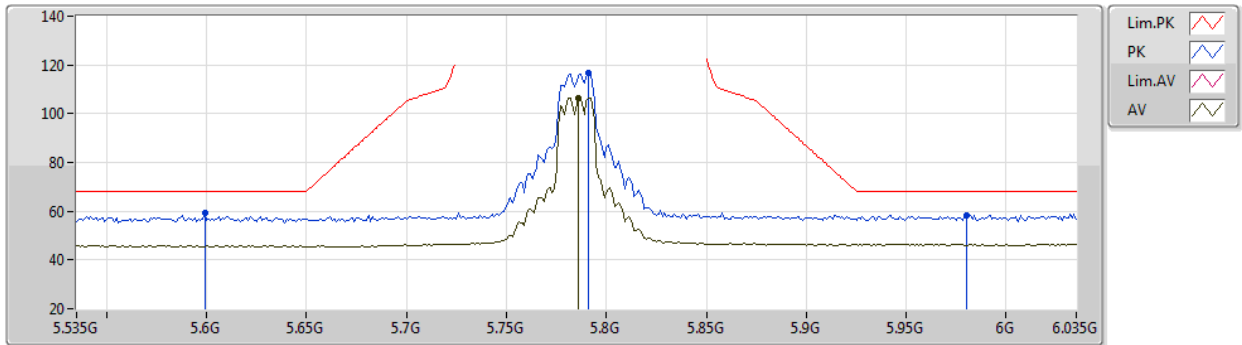
EUT Y_2TX
Setting 20
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.636G	58.23	68.20	-9.97	52.62	3	Vertical	360	2.26	-	31.64	5.83	31.86
PK	5.791G	115.61	Inf	-Inf	109.50	3	Vertical	360	2.26	-	32.06	5.99	31.94
AV	5.786G	105.43	Inf	-Inf	99.34	3	Vertical	360	2.26	-	32.04	5.98	31.93
PK	5.962G	58.68	68.20	-9.52	52.36	3	Vertical	360	2.26	-	32.40	5.92	32.00

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5785MHz_TX



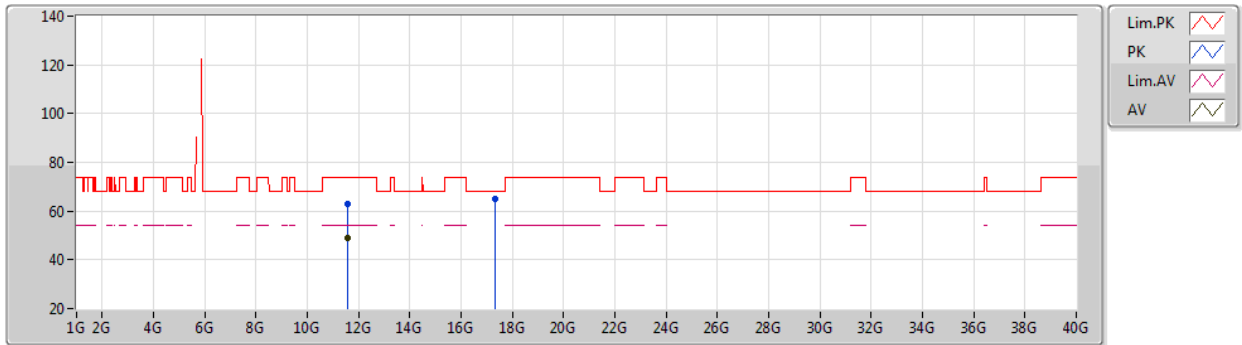
EUT Y_2TX
Setting 20
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.599G	59.44	68.20	-8.76	53.89	3	Horizontal	328	2.64	-	31.60	5.80	31.85
PK	5.791G	116.80	Inf	-Inf	110.69	3	Horizontal	328	2.64	-	32.06	5.99	31.94
AV	5.786G	106.55	Inf	-Inf	100.46	3	Horizontal	328	2.64	-	32.04	5.98	31.93
PK	5.98G	58.51	68.20	-9.69	52.21	3	Horizontal	328	2.64	-	32.40	5.91	32.01

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5785MHz_TX



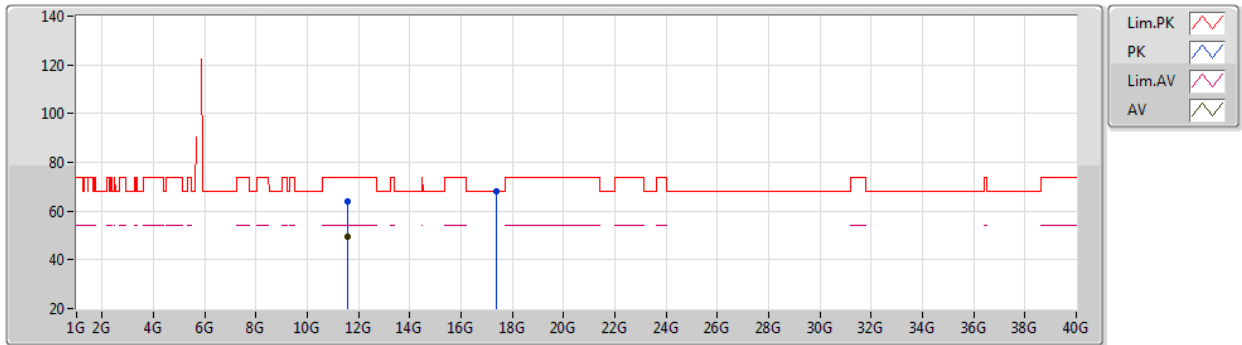
EUT Y_2TX
Setting 20
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57208G	62.84	74.00	-11.16	48.95	3	Vertical	175	1.80	-	39.54	8.15	33.80
AV	11.57216G	48.89	54.00	-5.11	35.00	3	Vertical	175	1.80	-	39.54	8.15	33.80
PK	17.34676G	65.24	68.20	-2.96	45.29	3	Vertical	147	1.50	-	44.17	9.58	33.80

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5785MHz_TX



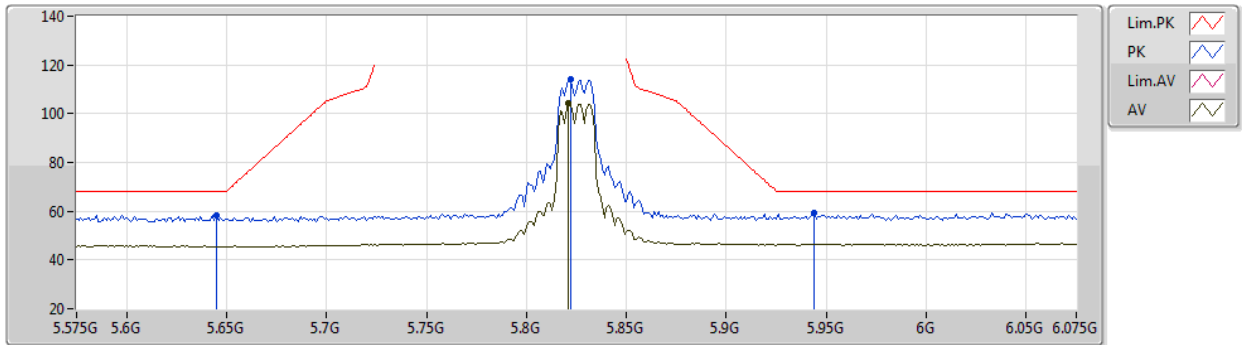
EUT Y_2TX
Setting 20
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.56636G	64.02	74.00	-9.98	50.11	3	Horizontal	122	1.91	-	39.55	8.15	33.79
AV	11.57184G	49.71	54.00	-4.29	35.82	3	Horizontal	122	1.91	-	39.54	8.15	33.80
PK	17.35592G	67.86	68.20	-0.34	47.82	3	Horizontal	166	1.49	-	44.26	9.58	33.80

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5825MHz_TX



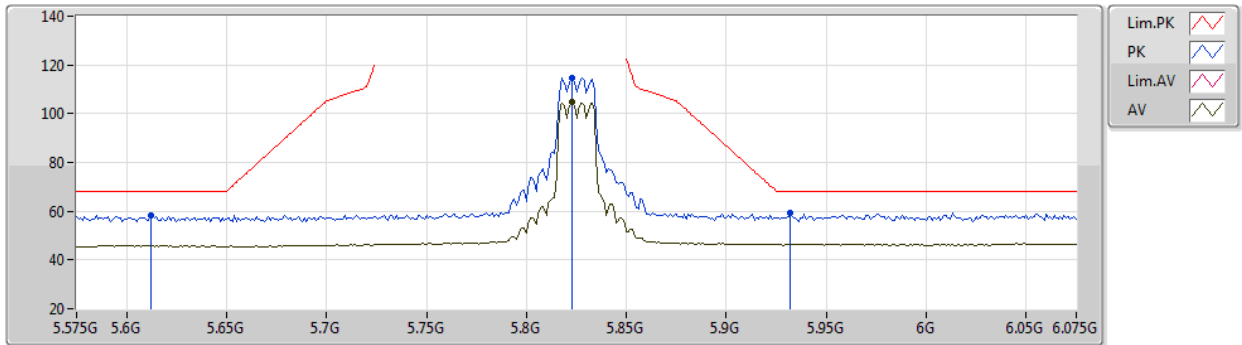
EUT Y_2TX
Setting 18.5
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.645G	58.47	68.20	-9.73	52.86	3	Vertical	0	2.05	-	31.64	5.84	31.87
PK	5.822G	114.09	Inf	-Inf	107.88	3	Vertical	0	2.05	-	32.17	5.99	31.95
AV	5.821G	104.11	Inf	-Inf	97.91	3	Vertical	0	2.05	-	32.16	5.99	31.95
PK	5.944G	59.14	68.20	-9.06	52.81	3	Vertical	0	2.05	-	32.40	5.93	32.00

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5825MHz_TX



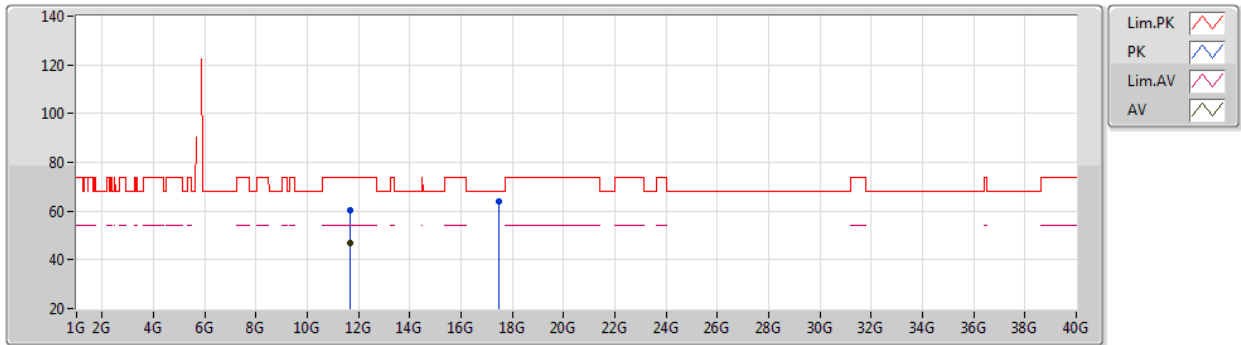
EUT Y_2TX
Setting 18.5
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.612G	58.08	68.20	-10.12	52.51	3	Horizontal	330	1.80	-	31.61	5.81	31.85
PK	5.823G	114.72	Inf	-Inf	108.51	3	Horizontal	330	1.80	-	32.17	5.99	31.95
AV	5.823G	104.62	Inf	-Inf	98.41	3	Horizontal	330	1.80	-	32.17	5.99	31.95
PK	5.932G	59.31	68.20	-8.89	52.97	3	Horizontal	330	1.80	-	32.40	5.93	31.99

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5825MHz_TX



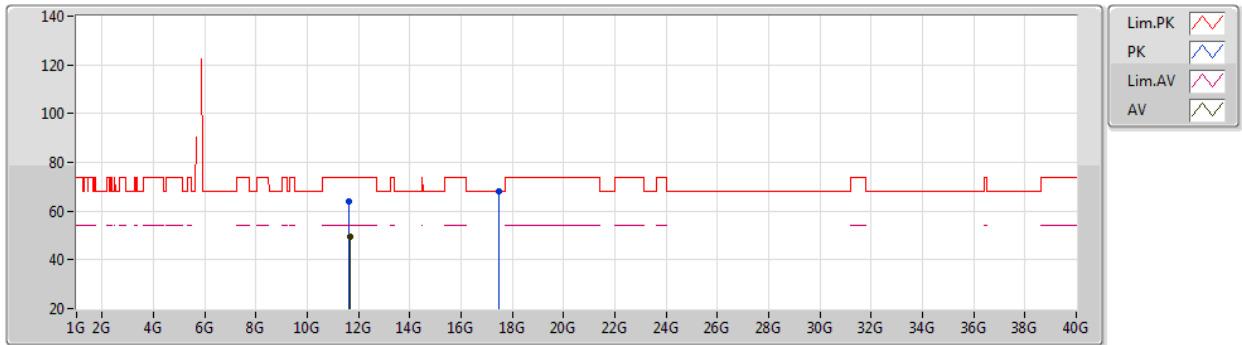
EUT Y_2TX
Setting 18.5
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6514G	60.21	74.00	-13.79	46.43	3	Vertical	120	1.69	-	39.42	8.18	33.82
AV	11.65044G	47.10	54.00	-6.90	33.32	3	Vertical	120	1.69	-	39.42	8.18	33.82
PK	17.4814G	63.99	68.20	-4.21	42.59	3	Vertical	159	1.80	-	45.51	9.66	33.77

802.11a_Nss1,(6Mbps)_2TX

12/05/2020

5825MHz_TX



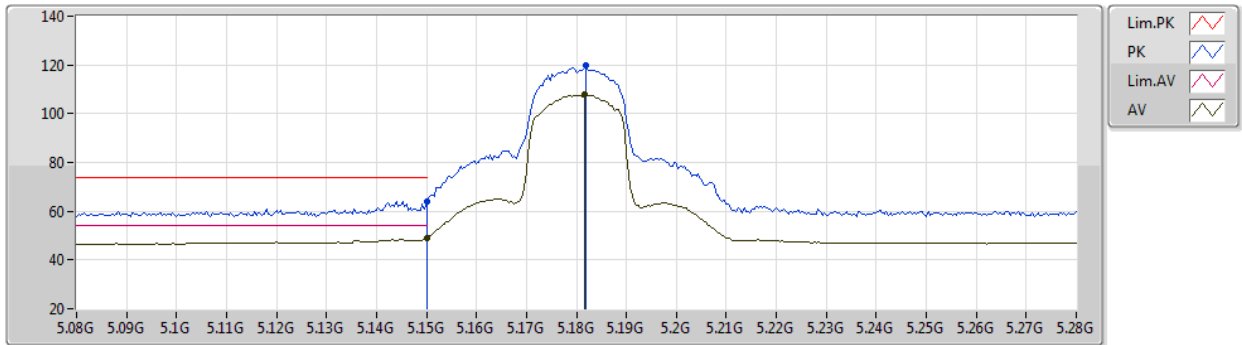
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Setting 18.5
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6466G	63.78	74.00	-10.22	49.99	3	Horizontal	121	1.80	-	39.43	8.18	33.82
AV	11.6506G	49.57	54.00	-4.43	35.79	3	Horizontal	121	1.80	-	39.42	8.18	33.82
PK	17.47588G	67.94	68.20	-0.26	46.59	3	Horizontal	116	1.45	-	45.46	9.66	33.77

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5180MHz_TX



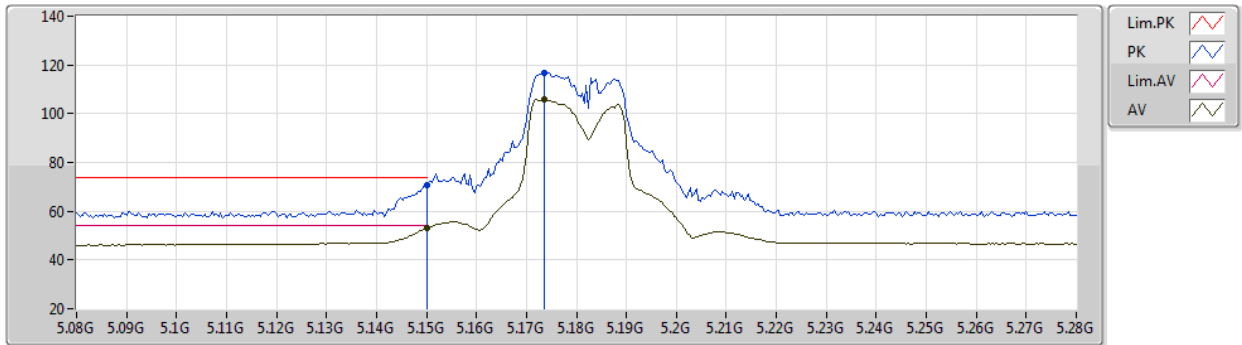
EUT Y_2TX
Setting 20
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	64.09	74.00	-9.91	58.08	3	Vertical	40	1.80	-	34.05	6.73	34.77
AV	5.15G	48.86	54.00	-5.14	42.85	3	Vertical	40	1.80	-	34.05	6.73	34.77
PK	5.182G	119.59	Inf	-Inf	113.55	3	Vertical	40	1.80	-	34.08	6.76	34.80
AV	5.1816G	107.78	Inf	-Inf	101.74	3	Vertical	40	1.80	-	34.08	6.76	34.80

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5180MHz_TX



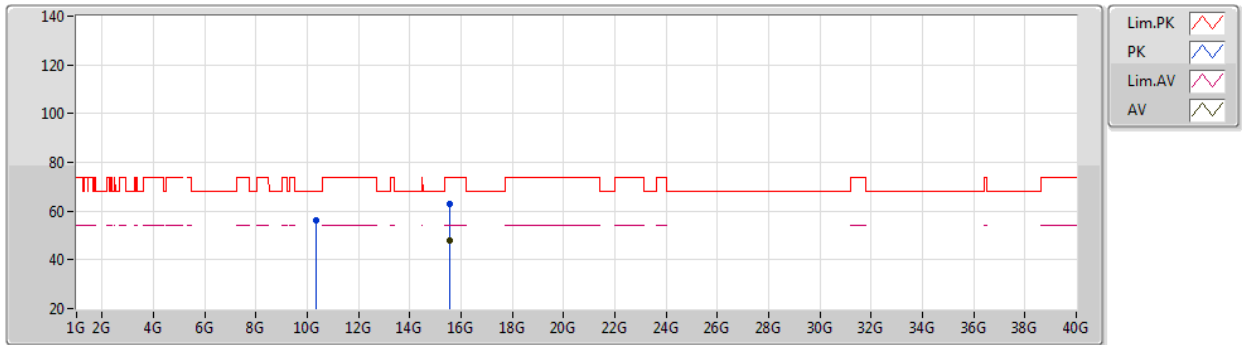
EUT Y_2TX
Setting 20
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	70.59	74.00	-3.41	64.58	3	Horizontal	306	1.79	-	34.05	6.73	34.77
AV	5.15G	52.87	54.00	-1.13	46.86	3	Horizontal	306	1.79	-	34.05	6.73	34.77
PK	5.1736G	116.69	Inf	-Inf	110.66	3	Horizontal	306	1.79	-	34.07	6.75	34.79
AV	5.1736G	105.71	Inf	-Inf	99.68	3	Horizontal	306	1.79	-	34.07	6.75	34.79

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5180MHz_TX



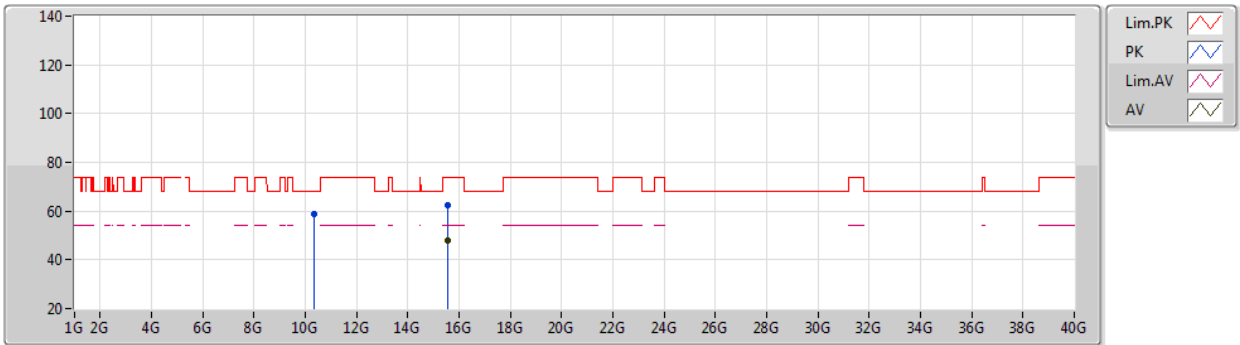
EUT Y_2TX
Setting 20
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.3605G	55.95	68.20	-12.25	42.56	3	Vertical	0	1.47	-	38.37	10.00	34.98
PK	15.53838G	62.91	74.00	-11.09	47.21	3	Vertical	145	1.90	-	38.88	11.62	34.80
AV	15.53382G	48.18	54.00	-5.82	32.45	3	Vertical	145	1.90	-	38.90	11.62	34.79

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5180MHz_TX



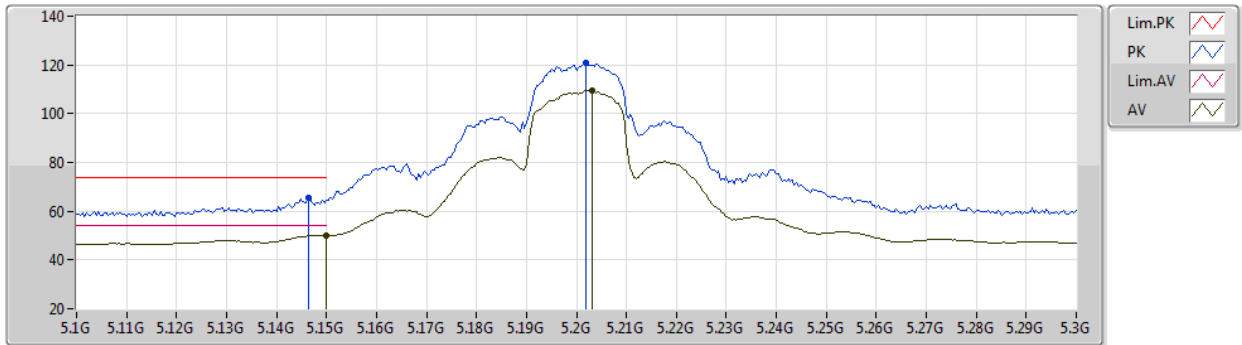
EUT Y_2TX
Setting 20
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.35934G	58.81	68.20	-9.39	45.42	3	Horizontal	215	1.67	-	38.37	10.00	34.98
PK	15.53286G	62.35	74.00	-11.65	46.62	3	Horizontal	175	1.79	-	38.90	11.62	34.79
AV	15.5343G	47.84	54.00	-6.16	32.11	3	Horizontal	175	1.79	-	38.90	11.62	34.79

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5200MHz_TX



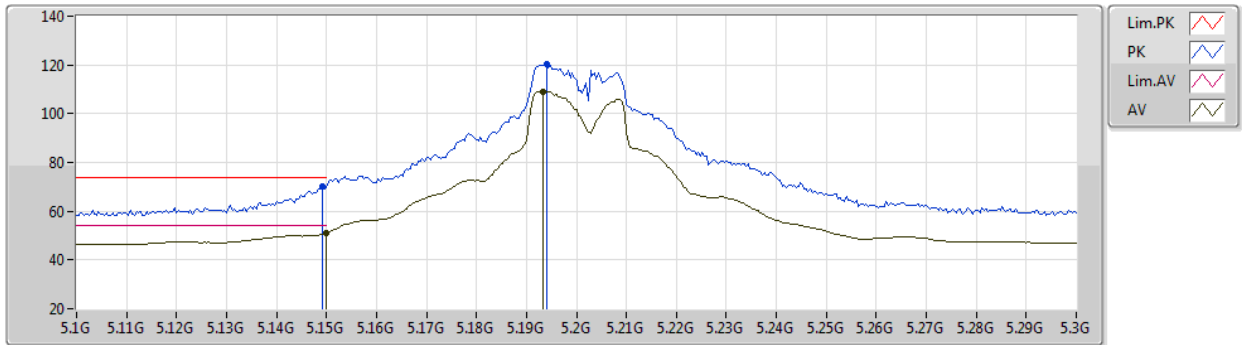
EUT Y_2TX
Setting 24
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1464G	65.41	74.00	-8.59	59.40	3	Vertical	38	1.80	-	34.05	6.73	34.77
AV	5.15G	50.06	54.00	-3.94	44.05	3	Vertical	38	1.80	-	34.05	6.73	34.77
PK	5.202G	121.01	Inf	-Inf	114.95	3	Vertical	38	1.80	-	34.10	6.77	34.81
AV	5.2032G	109.42	Inf	-Inf	103.35	3	Vertical	38	1.80	-	34.11	6.77	34.81

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5200MHz_TX



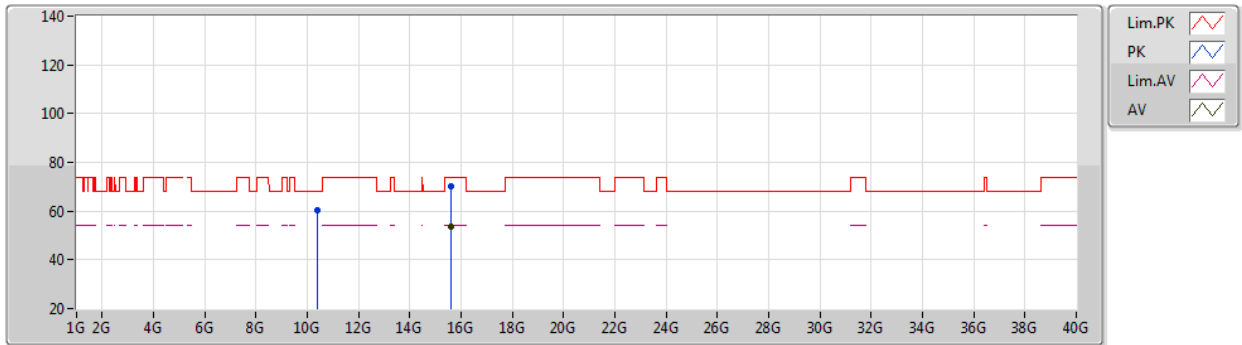
EUT Y_2TX
Setting 24
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1492G	69.93	74.00	-4.07	63.92	3	Horizontal	304	1.80	-	34.05	6.73	34.77
AV	5.15G	51.24	54.00	-2.76	45.23	3	Horizontal	304	1.80	-	34.05	6.73	34.77
PK	5.194G	120.23	Inf	-Inf	114.18	3	Horizontal	304	1.80	-	34.09	6.77	34.81
AV	5.1932G	109.06	Inf	-Inf	103.01	3	Horizontal	304	1.80	-	34.09	6.77	34.81

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5200MHz_TX



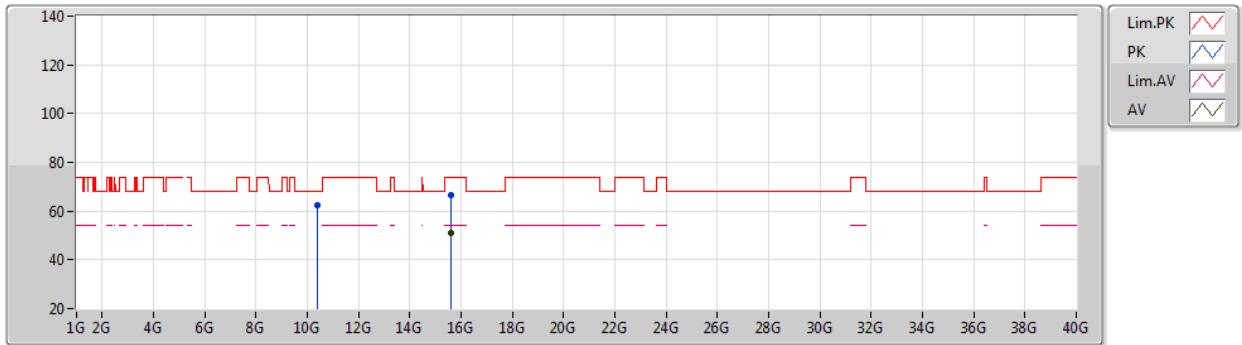
EUT Y_2TX
Setting 24
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40012G	60.35	68.20	-7.85	46.93	3	Vertical	346	1.85	-	38.38	10.00	34.96
PK	15.5964G	70.03	74.00	-3.97	54.53	3	Vertical	146	1.90	-	38.71	11.65	34.86
AV	15.5962G	53.86	54.00	-0.14	38.36	3	Vertical	146	1.90	-	38.71	11.65	34.86

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5200MHz_TX



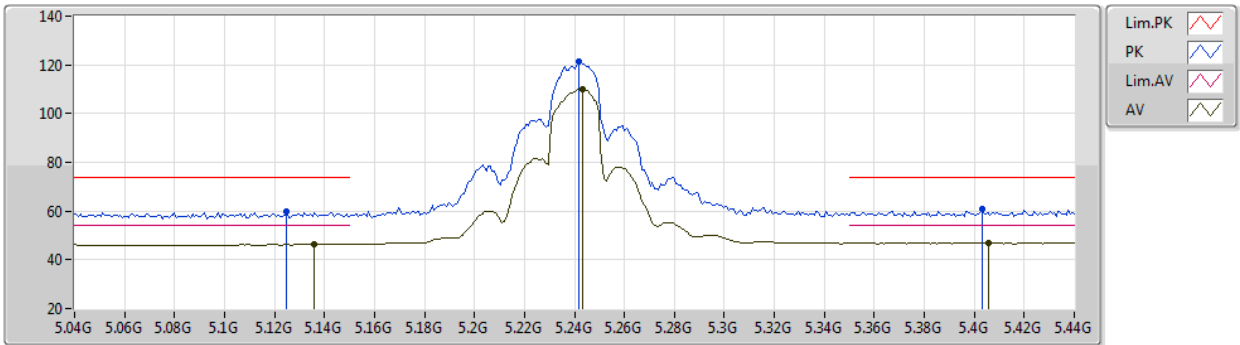
EUT Y_2TX
Setting 24
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	10.40012G	62.24	68.20	-5.96	48.82	3	Horizontal	212	1.63	-	38.38	10.00	34.96	
PK	15.5908G	66.54	74.00	-7.46	51.01	3	Horizontal	176	1.59	-	38.73	11.65	34.85	
AV	15.5939G	50.87	54.00	-3.13	35.36	3	Horizontal	176	1.59	-	38.72	11.65	34.86	

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5240MHz_TX



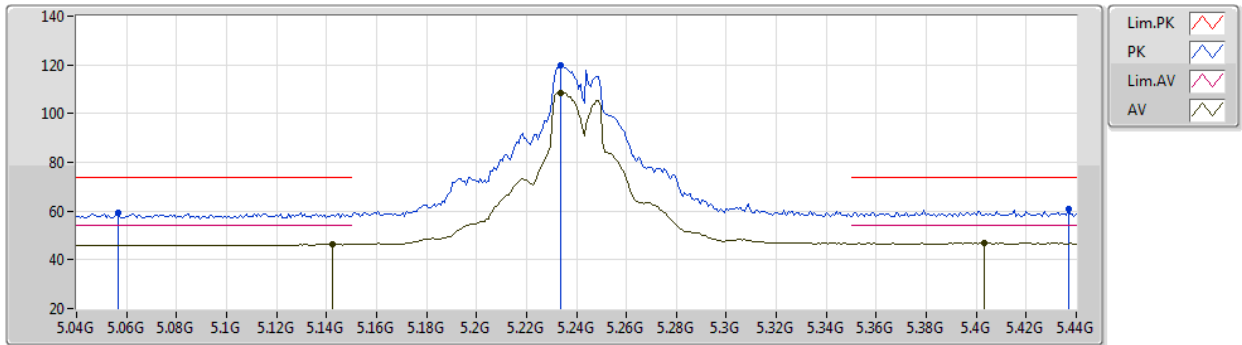
EUT Y_2TX
Setting 24
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1248G	59.96	74.00	-14.04	53.98	3	Vertical	40	1.80	-	34.02	6.72	34.76
AV	5.136G	46.60	54.00	-7.40	40.60	3	Vertical	40	1.80	-	34.04	6.73	34.77
PK	5.2416G	121.27	Inf	-Inf	115.12	3	Vertical	40	1.80	-	34.18	6.81	34.84
AV	5.2432G	110.01	Inf	-Inf	103.85	3	Vertical	40	1.80	-	34.19	6.81	34.84
PK	5.4032G	60.80	74.00	-13.20	54.42	3	Vertical	40	1.80	-	34.40	6.93	34.95
AV	5.4056G	46.92	54.00	-7.08	40.53	3	Vertical	40	1.80	-	34.41	6.93	34.95

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5240MHz_TX

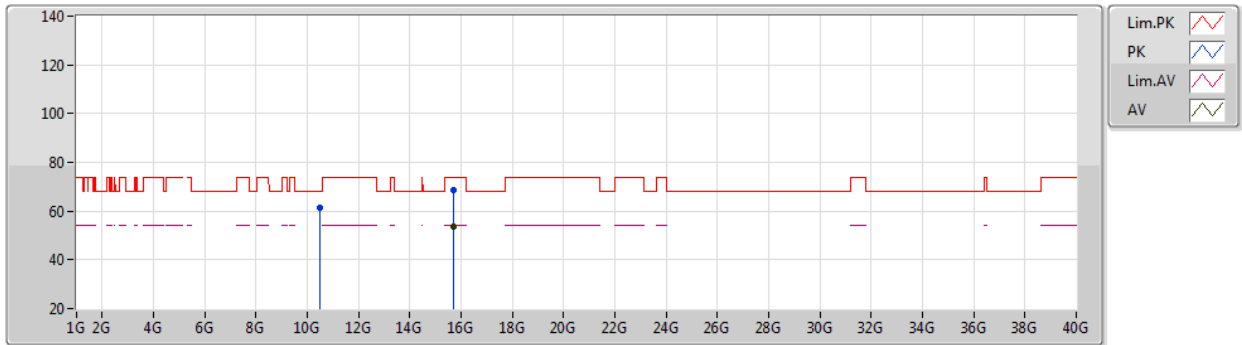

EUT Y_2TX
Setting 24
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.0568G	59.11	74.00	-14.89	53.19	3	Horizontal	306	1.80	-	33.96	6.67	34.71
AV	5.1424G	46.35	54.00	-7.65	40.35	3	Horizontal	306	1.80	-	34.04	6.73	34.77
PK	5.2336G	119.75	Inf	-Inf	113.61	3	Horizontal	306	1.80	-	34.17	6.80	34.83
AV	5.2336G	108.57	Inf	-Inf	102.43	3	Horizontal	306	1.80	-	34.17	6.80	34.83
PK	5.4368G	61.10	74.00	-12.90	54.67	3	Horizontal	306	1.80	-	34.44	6.96	34.97
AV	5.4032G	46.76	54.00	-7.24	40.38	3	Horizontal	306	1.80	-	34.40	6.93	34.95

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5240MHz_TX



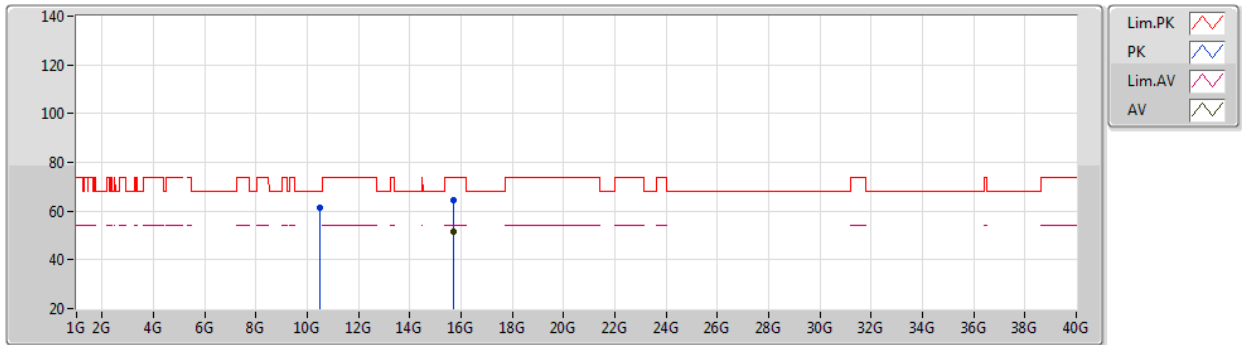
EUT Y_2TX
Setting 24
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.48012G	61.57	68.20	-6.63	48.06	3	Vertical	343	1.91	-	38.40	10.02	34.91
PK	15.7173G	68.65	74.00	-5.35	53.57	3	Vertical	153	1.87	-	38.35	11.72	34.99
AV	15.7164G	53.81	54.00	-0.19	38.73	3	Vertical	153	1.87	-	38.35	11.72	34.99

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5240MHz_TX

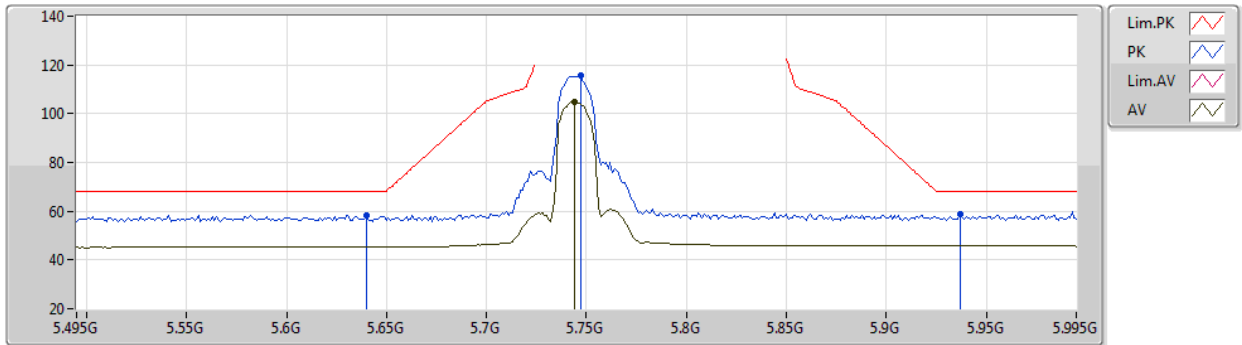

EUT Y_2TX
Setting 24
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4796G	61.19	68.20	-7.01	47.68	3	Horizontal	205	1.80	-	38.40	10.02	34.91
PK	15.71778G	64.53	74.00	-9.47	49.45	3	Horizontal	178	1.80	-	38.35	11.72	34.99
AV	15.71634G	51.40	54.00	-2.60	36.32	3	Horizontal	178	1.80	-	38.35	11.72	34.99

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5745MHz_TX



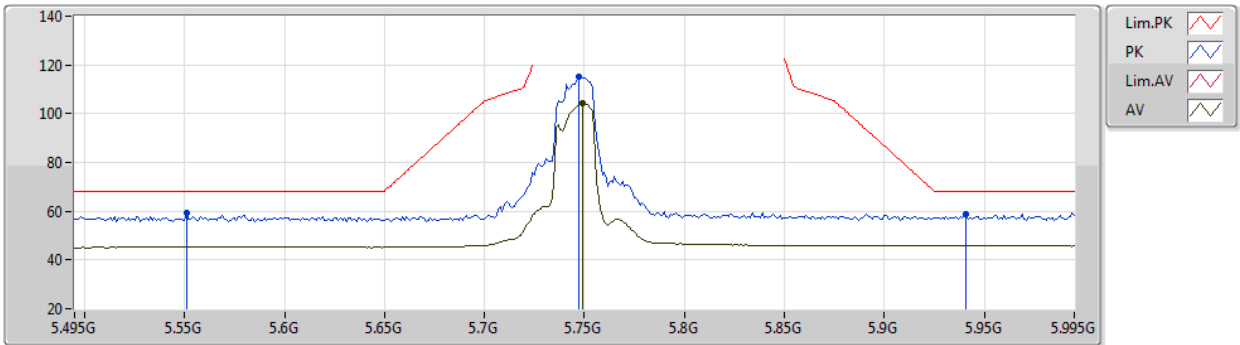
EUT Y_2TX
Setting 19.5
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64G	58.29	68.20	-9.91	52.68	3	Vertical	29	1.89	-	31.64	5.84	31.87
PK	5.747G	115.65	Inf	-Inf	109.73	3	Vertical	29	1.89	-	31.89	5.94	31.91
AV	5.744G	104.95	Inf	-Inf	99.04	3	Vertical	29	1.89	-	31.88	5.94	31.91
PK	5.937G	58.84	68.20	-9.36	52.50	3	Vertical	29	1.89	-	32.40	5.93	31.99

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5745MHz_TX



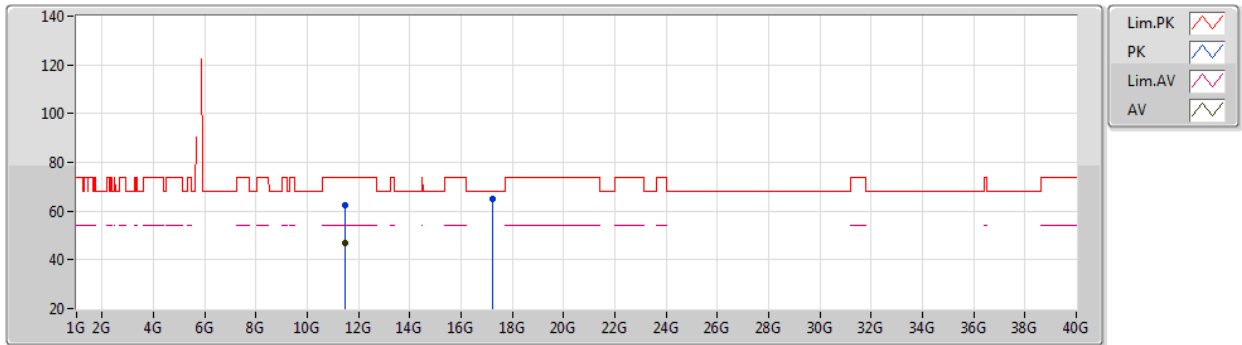
EUT Y_2TX
Setting 19.5
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.551G	59.45	68.20	-8.75	53.78	3	Horizontal	331	2.65	-	31.70	5.80	31.83
PK	5.747G	115.00	Inf	-Inf	109.08	3	Horizontal	331	2.65	-	31.89	5.94	31.91
AV	5.749G	104.29	Inf	-Inf	98.36	3	Horizontal	331	2.65	-	31.90	5.94	31.91
PK	5.941G	59.00	68.20	-9.20	52.67	3	Horizontal	331	2.65	-	32.40	5.93	32.00

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5745MHz_TX



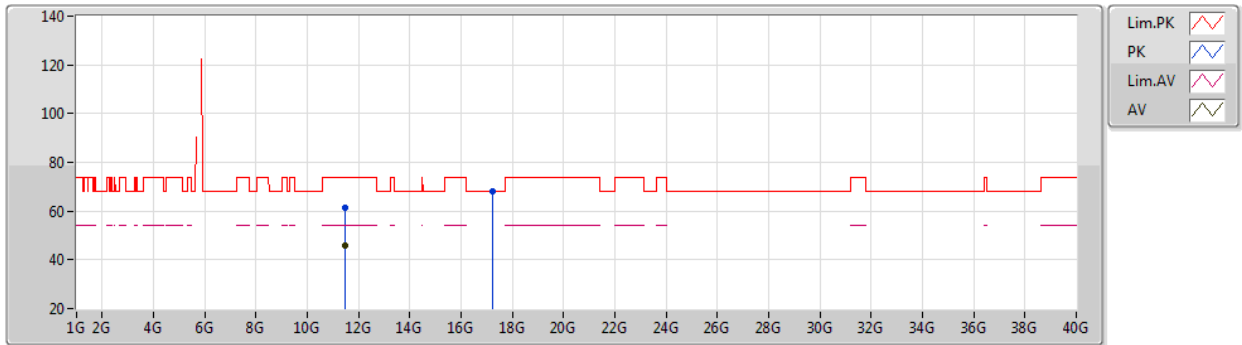
EUT Y_2TX
Setting 19.5
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.49708G	62.28	74.00	-11.72	48.28	3	Vertical	178	1.87	-	39.65	8.12	33.77
AV	11.49536G	46.99	54.00	-7.01	32.98	3	Vertical	178	1.87	-	39.66	8.12	33.77
PK	17.23392G	65.16	68.20	-3.04	46.45	3	Vertical	51	1.75	-	43.04	9.50	33.83

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5745MHz_TX



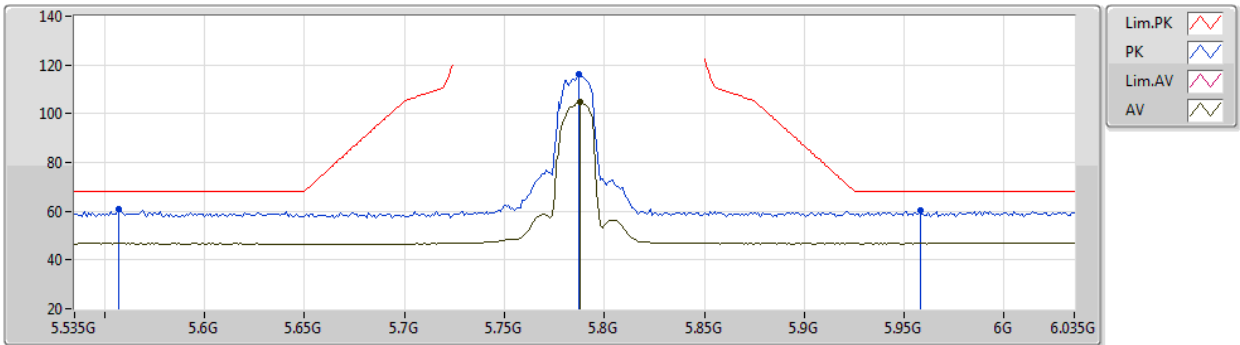
EUT Y_2TX
Setting 19.5
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48452G	61.34	74.00	-12.66	47.32	3	Horizontal	86	1.90	-	39.67	8.12	33.77
AV	11.49888G	45.73	54.00	-8.27	31.73	3	Horizontal	86	1.90	-	39.65	8.12	33.77
PK	17.23388G	67.87	68.20	-0.33	49.16	3	Horizontal	165	1.55	-	43.04	9.50	33.83

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5785MHz_TX



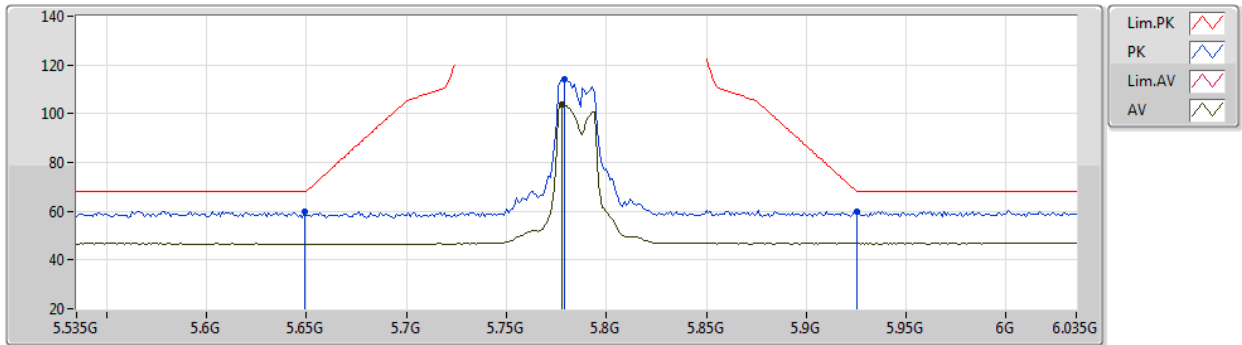
EUT Y_2TX
Setting 18
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.557G	60.81	68.20	-7.39	54.34	3	Vertical	24	1.79	-	34.44	7.02	34.99
PK	5.787G	116.17	Inf	-Inf	109.76	3	Vertical	24	1.79	-	34.30	7.04	34.93
AV	5.788G	104.68	Inf	-Inf	98.27	3	Vertical	24	1.79	-	34.30	7.04	34.93
PK	5.958G	60.35	68.20	-7.85	53.50	3	Vertical	24	1.79	-	34.67	7.06	34.88

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5785MHz_TX



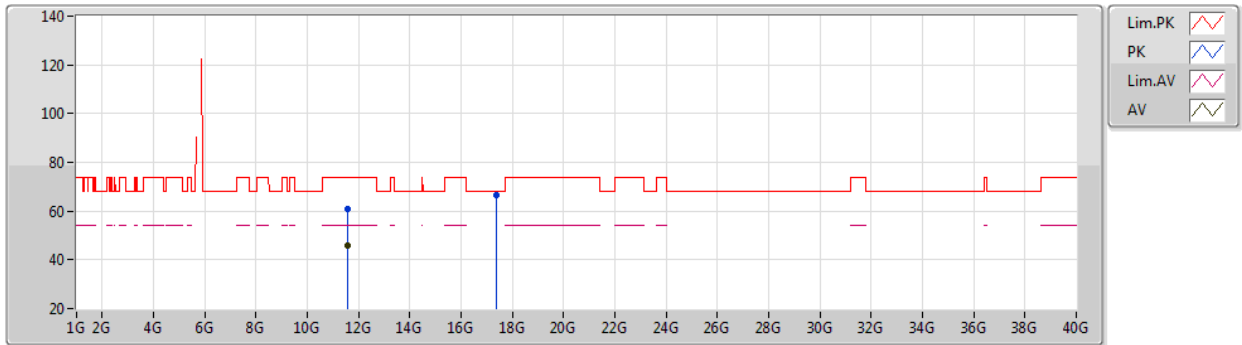
EUT Y_2TX
Setting 18
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.649G	60.02	68.20	-8.18	53.62	3	Horizontal	283	1.80	-	34.35	7.02	34.97
PK	5.779G	114.39	Inf	-Inf	107.98	3	Horizontal	283	1.80	-	34.30	7.04	34.93
AV	5.778G	103.54	Inf	-Inf	97.13	3	Horizontal	283	1.80	-	34.30	7.04	34.93
PK	5.925G	59.95	68.20	-8.25	53.21	3	Horizontal	283	1.80	-	34.58	7.05	34.89

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5785MHz_TX



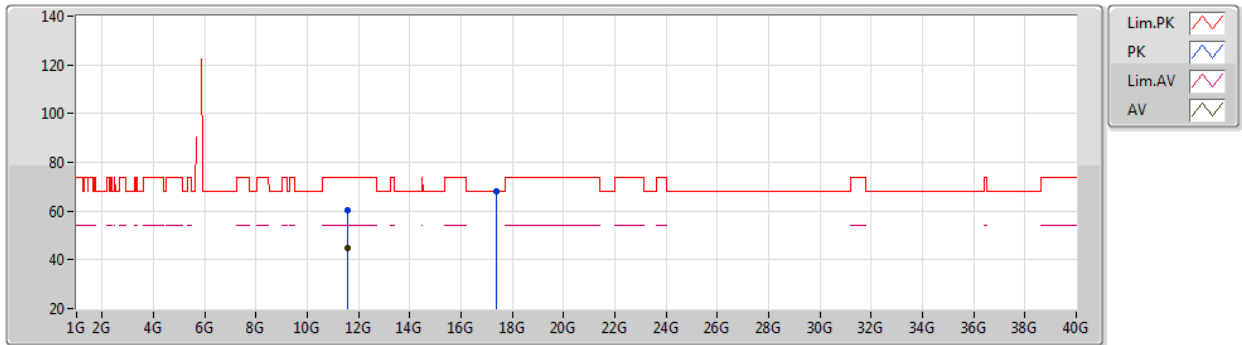
EUT Y_2TX
Setting 18
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57708G	60.85	74.00	-13.15	46.46	3	Vertical	179	2.13	-	38.90	10.18	34.69
AV	11.57756G	45.91	54.00	-8.09	31.52	3	Vertical	179	2.13	-	38.90	10.18	34.69
PK	17.3544G	66.61	68.20	-1.59	47.35	3	Vertical	55	1.80	-	41.71	12.12	34.57

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5785MHz_TX



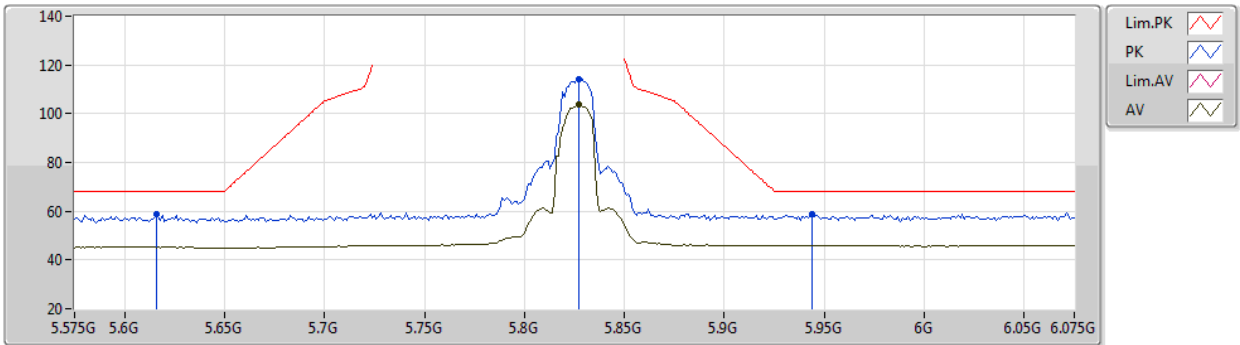
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Setting 18
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5802G	60.20	74.00	-13.80	45.80	3	Horizontal	160	1.59	-	38.91	10.18	34.69
AV	11.5792G	45.00	54.00	-9.00	30.60	3	Horizontal	160	1.59	-	38.91	10.18	34.69
PK	17.3553G	67.95	68.20	-0.25	48.69	3	Horizontal	164	1.80	-	41.71	12.12	34.57

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5825MHz_TX



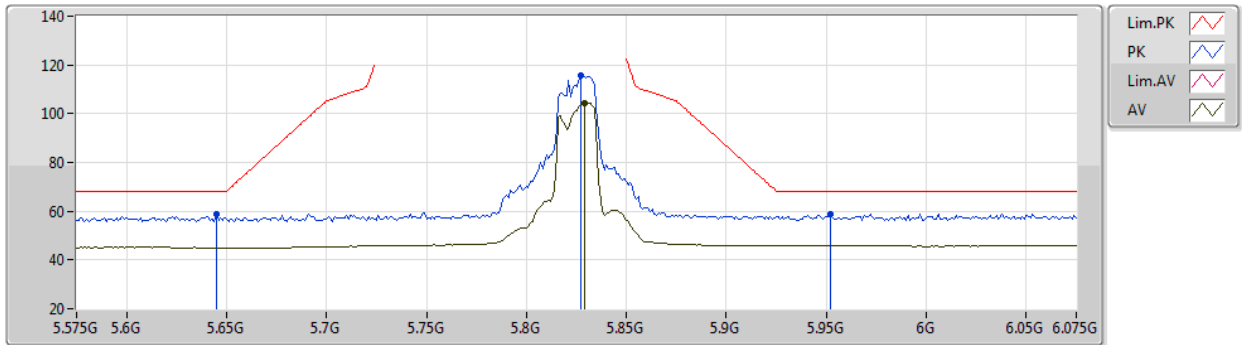
EUT Y_2TX
Setting 19
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.616G	58.71	68.20	-9.49	53.14	3	Vertical	22	1.73	-	31.62	5.81	31.86
PK	5.827G	114.19	Inf	-Inf	107.97	3	Vertical	22	1.73	-	32.18	5.99	31.95
AV	5.827G	103.68	Inf	-Inf	97.46	3	Vertical	22	1.73	-	32.18	5.99	31.95
PK	5.944G	58.58	68.20	-9.62	52.25	3	Vertical	22	1.73	-	32.40	5.93	32.00

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5825MHz_TX



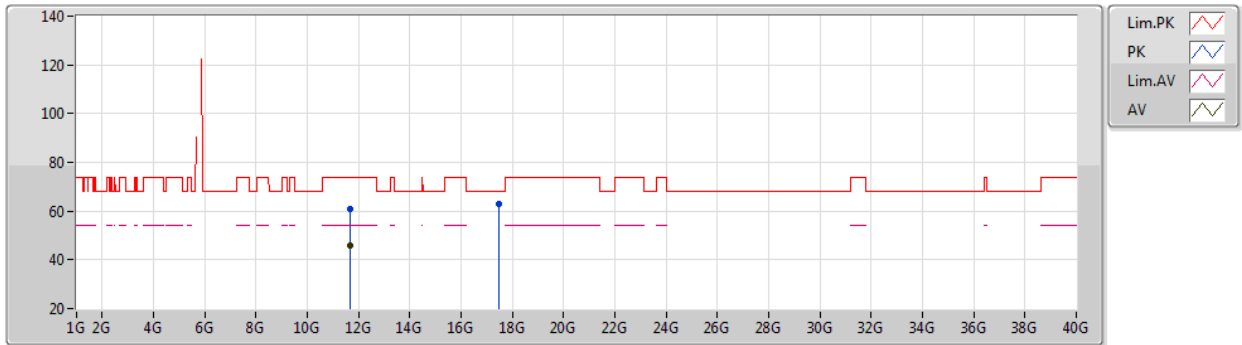
EUT Y_2TX
Setting 19
06-E-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.645G	58.64	68.20	-9.56	53.03	3	Horizontal	327	2.69	-	31.64	5.84	31.87
PK	5.827G	115.51	Inf	-Inf	109.29	3	Horizontal	327	2.69	-	32.18	5.99	31.95
AV	5.829G	104.48	Inf	-Inf	98.25	3	Horizontal	327	2.69	-	32.19	5.99	31.95
PK	5.952G	58.94	68.20	-9.26	52.62	3	Horizontal	327	2.69	-	32.40	5.92	32.00

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5825MHz_TX



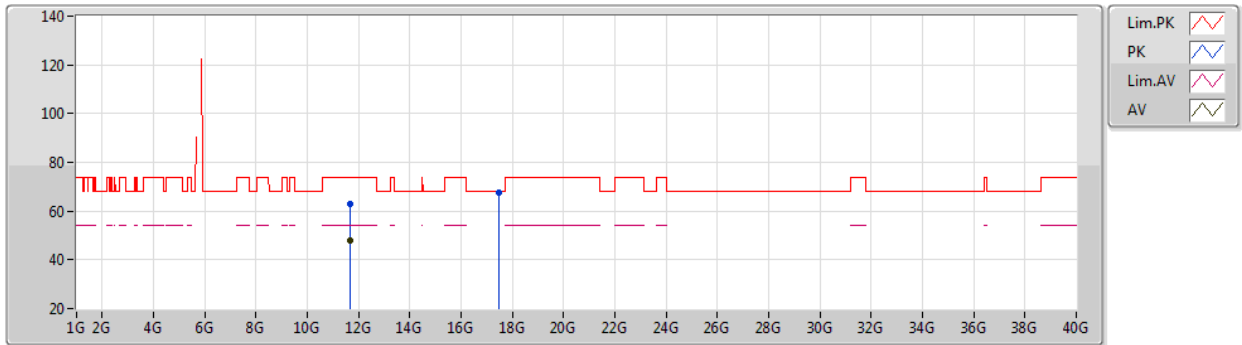
EUT Y_2TX
Setting 19
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6504G	60.94	74.00	-13.06	47.16	3	Vertical	122	1.74	-	39.42	8.18	33.82
AV	11.6504G	46.06	54.00	-7.94	32.28	3	Vertical	122	1.74	-	39.42	8.18	33.82
PK	17.47808G	63.03	68.20	-5.17	41.66	3	Vertical	159	1.80	-	45.48	9.66	33.77

802.11ac VHT20_Nss1,(MCS0)_2TX

12/05/2020

5825MHz_TX



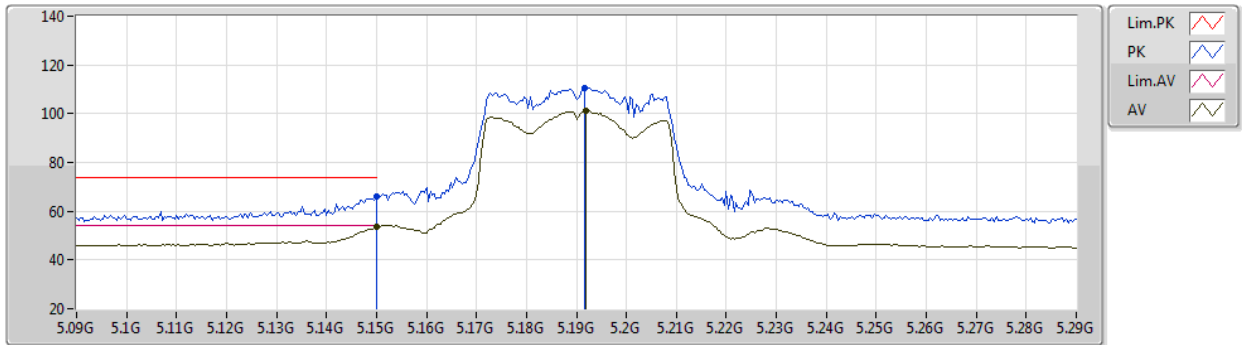
EUT Y_2TX
Setting 19
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6522G	63.08	74.00	-10.92	49.30	3	Horizontal	127	1.83	-	39.42	8.18	33.82
AV	11.65292G	48.11	54.00	-5.89	34.33	3	Horizontal	127	1.83	-	39.42	8.18	33.82
PK	17.47908G	67.83	68.20	-0.37	46.45	3	Horizontal	115	1.51	-	45.49	9.66	33.77

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5190MHz_TX



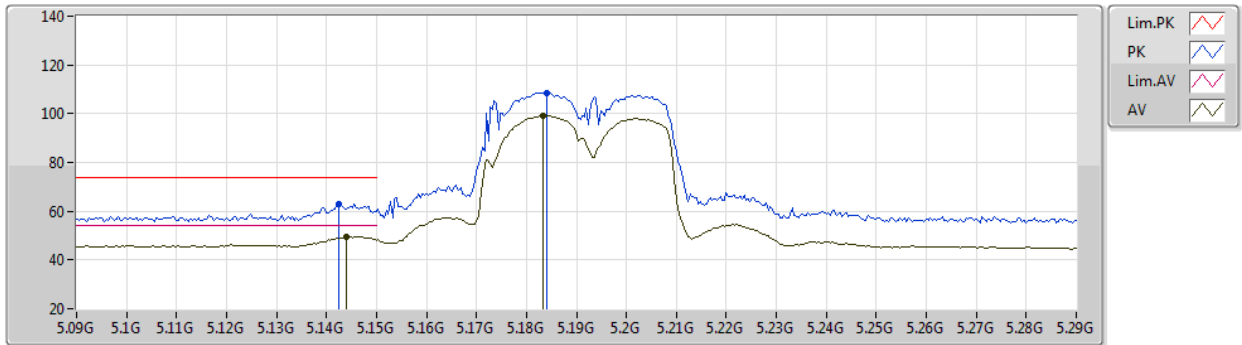
EUT Y_2TX
Setting 18.5
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	65.92	74.00	-8.08	60.20	3	Vertical	29	2.02	-	31.75	5.60	31.63
AV	5.15G	53.84	54.00	-0.16	48.12	3	Vertical	29	2.02	-	31.75	5.60	31.63
PK	5.1916G	110.49	Inf	-Inf	105.01	3	Vertical	29	2.02	-	31.54	5.60	31.66
AV	5.192G	101.35	Inf	-Inf	95.87	3	Vertical	29	2.02	-	31.54	5.60	31.66

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5190MHz_TX



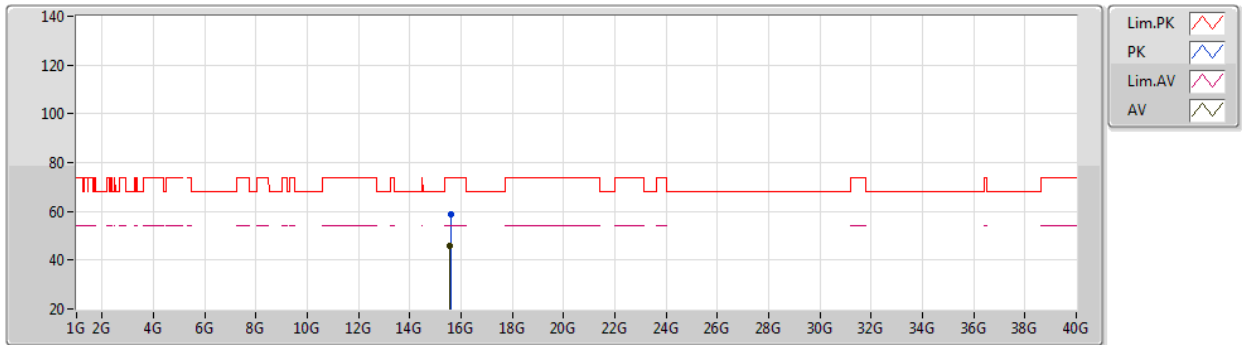
EUT Y_2TX
Setting 18.5
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1424G	63.04	74.00	-10.96	57.28	3	Horizontal	323	1.80	-	31.79	5.60	31.63
AV	5.144G	49.65	54.00	-4.35	43.90	3	Horizontal	323	1.80	-	31.78	5.60	31.63
PK	5.184G	108.44	Inf	-Inf	102.91	3	Horizontal	323	1.80	-	31.58	5.60	31.65
AV	5.1832G	99.21	Inf	-Inf	93.68	3	Horizontal	323	1.80	-	31.58	5.60	31.65

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5190MHz_TX



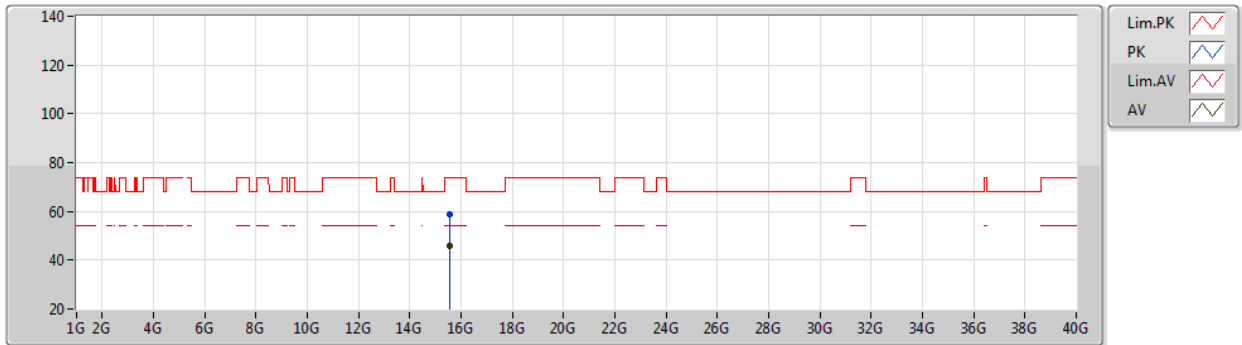
EUT Y_2TX
Setting 18.5
06-E-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.58242G	58.75	74.00	-15.25	44.77	3	Vertical	360	1.41	-	38.96	8.74	33.72
AV	15.57978G	45.93	54.00	-8.07	31.94	3	Vertical	360	1.41	-	38.97	8.74	33.72

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5190MHz_TX



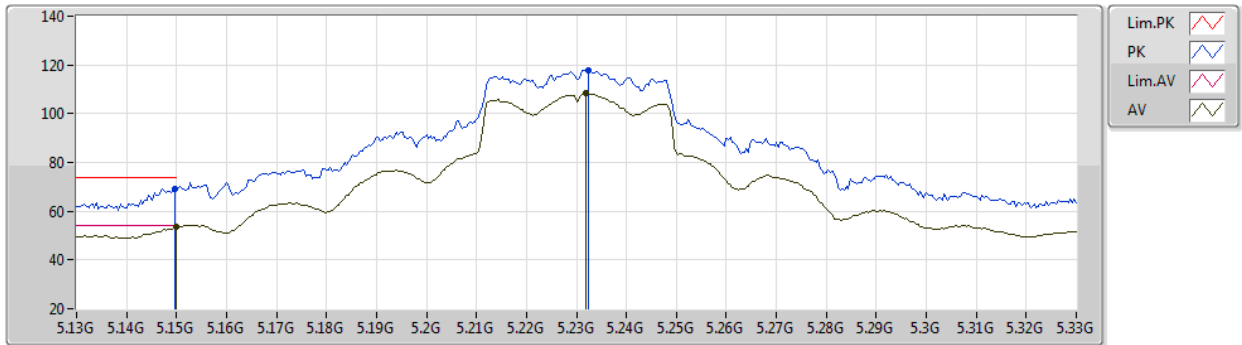
EUT Y_2TX
Setting 18.5
06-E-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.5691G	58.71	74.00	-15.29	44.68	3	Horizontal	308	1.39	-	39.01	8.74	33.72
AV	15.57042G	45.85	54.00	-8.15	31.83	3	Horizontal	308	1.39	-	39.00	8.74	33.72

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5230MHz_TX



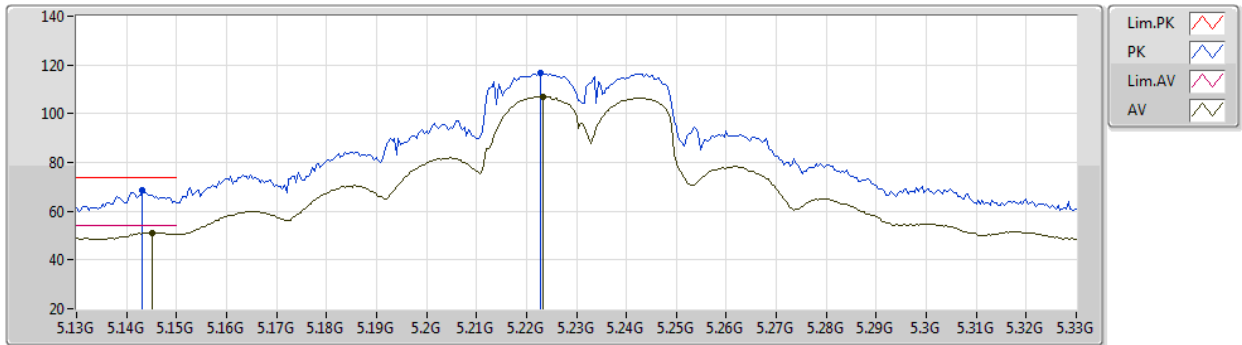
EUT Y_2TX
Setting 23
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	69.16	74.00	-4.84	63.15	3	Vertical	38	1.90	-	34.05	6.73	34.77
AV	5.15G	53.57	54.00	-0.43	47.57	3	Vertical	38	1.90	-	34.05	6.73	34.78
PK	5.2324G	117.76	Inf	-Inf	111.63	3	Vertical	38	1.90	-	34.16	6.80	34.83
AV	5.232G	108.54	Inf	-Inf	102.41	3	Vertical	38	1.90	-	34.16	6.80	34.83

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5230MHz_TX



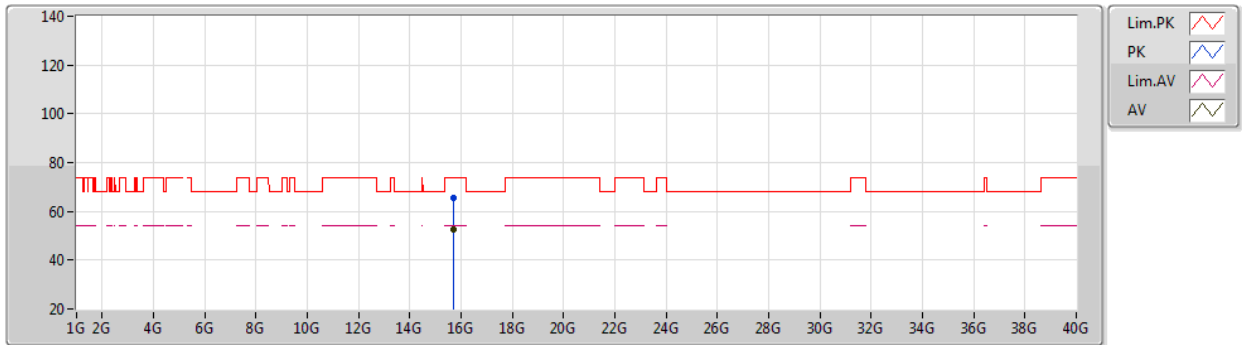
EUT Y_2TX
Setting 23
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1432G	68.83	74.00	-5.17	62.83	3	Horizontal	311	1.77	-	34.04	6.73	34.77
AV	5.1452G	51.26	54.00	-2.74	45.25	3	Horizontal	311	1.77	-	34.05	6.73	34.77
PK	5.2228G	116.73	Inf	-Inf	110.62	3	Horizontal	311	1.77	-	34.15	6.79	34.83
AV	5.2232G	106.99	Inf	-Inf	100.88	3	Horizontal	311	1.77	-	34.15	6.79	34.83

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5230MHz_TX



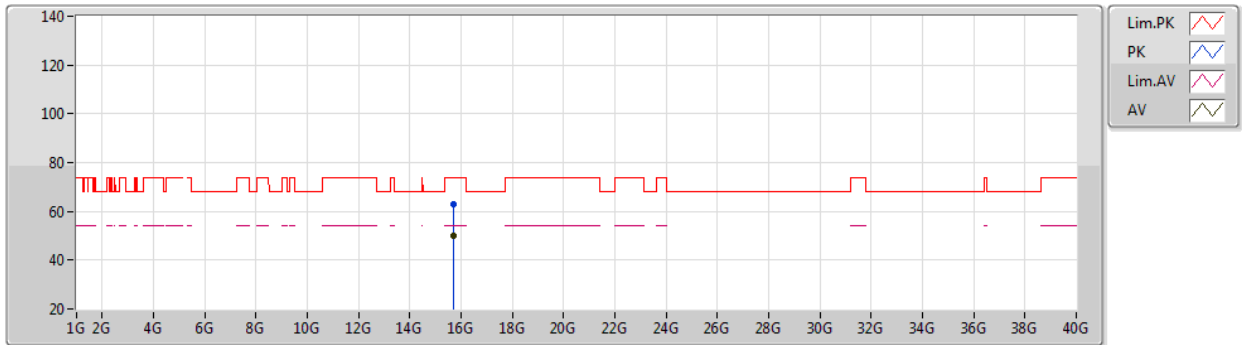
EUT Y_2TX
Setting 23
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.706G	65.56	74.00	-8.44	50.45	3	Vertical	153	1.88	-	38.38	11.71	34.98	
AV	15.6856G	52.77	54.00	-1.23	37.59	3	Vertical	153	1.88	-	38.44	11.70	34.96	

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5230MHz_TX



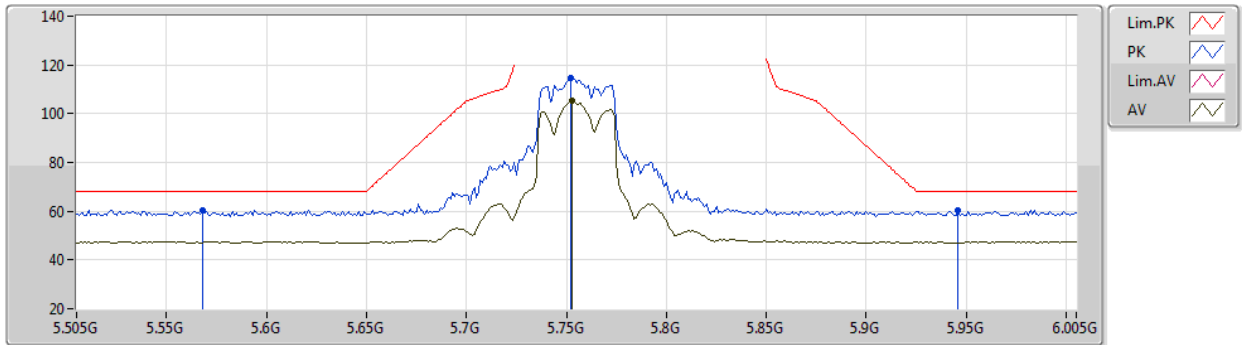
EUT Y_2TX
Setting 23
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.6868G	62.77	74.00	-11.23	47.59	3	Horizontal	173	1.90	-	38.44	11.70	34.96
AV	15.6858G	49.76	54.00	-4.24	34.58	3	Horizontal	173	1.90	-	38.44	11.70	34.96

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5755MHz_TX



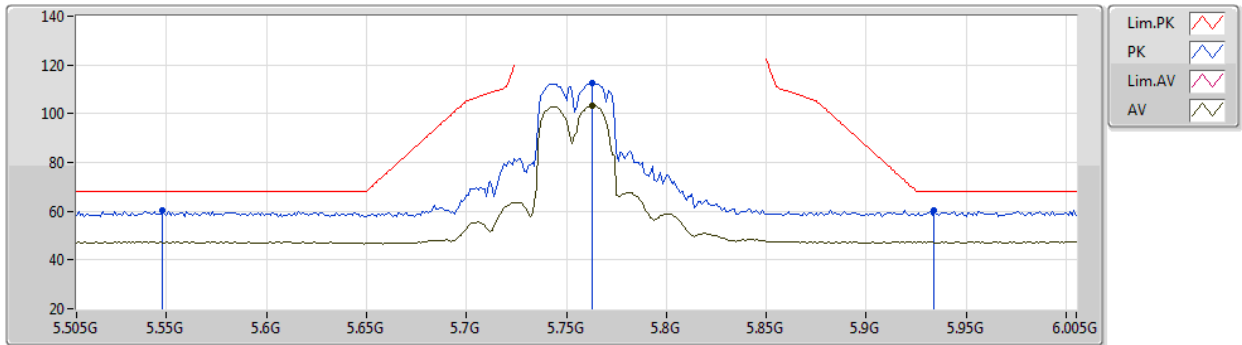
EUT Y_2TX
Setting 20
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.568G	60.56	68.20	-7.64	54.10	3	Vertical	35	1.80	-	34.43	7.02	34.99
PK	5.752G	114.61	Inf	-Inf	108.21	3	Vertical	35	1.80	-	34.30	7.04	34.94
AV	5.753G	105.29	Inf	-Inf	98.89	3	Vertical	35	1.80	-	34.30	7.04	34.94
PK	5.946G	60.57	68.20	-7.63	53.77	3	Vertical	35	1.80	-	34.64	7.05	34.89

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5755MHz_TX



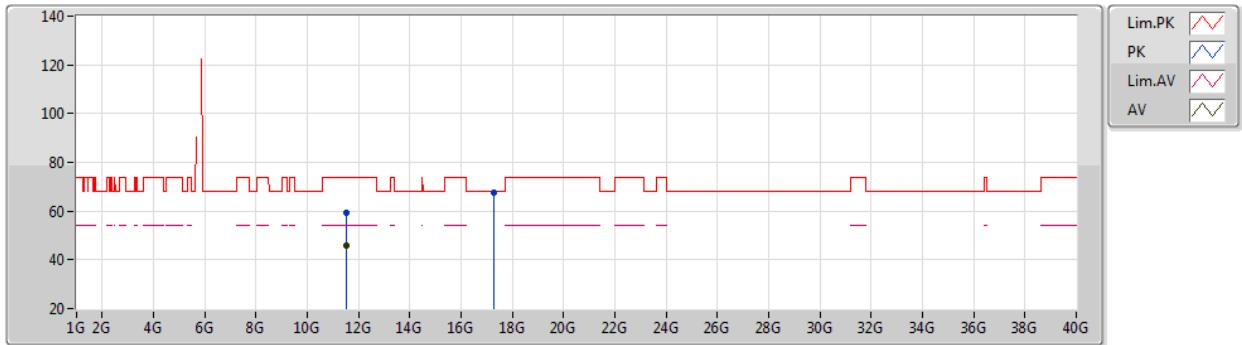
EUT Y_2TX
Setting 20
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.548G	60.14	68.20	-8.06	53.68	3	Horizontal	330	1.80	-	34.45	7.01	35.00
PK	5.763G	112.73	Inf	-Inf	106.33	3	Horizontal	330	1.80	-	34.30	7.04	34.94
AV	5.763G	103.25	Inf	-Inf	96.85	3	Horizontal	330	1.80	-	34.30	7.04	34.94
PK	5.934G	60.58	68.20	-7.62	53.82	3	Horizontal	330	1.80	-	34.60	7.05	34.89

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5755MHz_TX



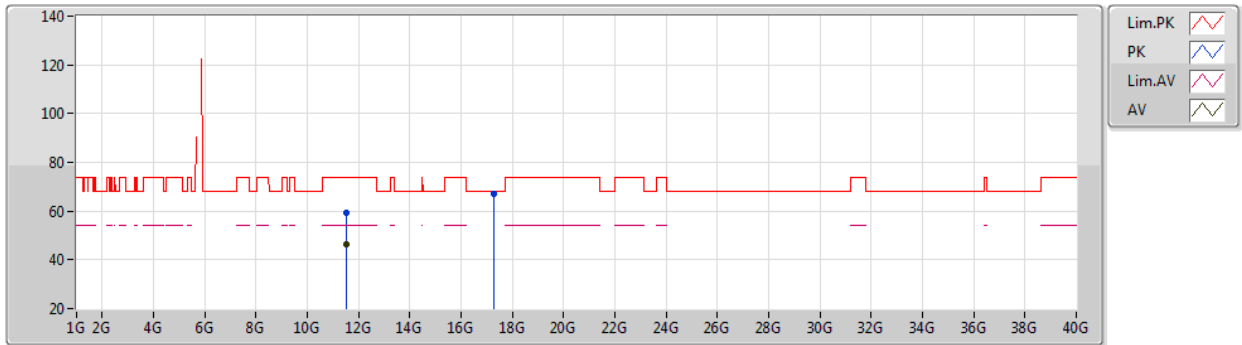
EUT Y_2TX
Setting 20
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5028G	59.43	74.00	-14.57	45.09	3	Vertical	5	2.10	-	38.85	10.17	34.68
AV	11.503G	46.03	54.00	-7.97	31.69	3	Vertical	5	2.10	-	38.85	10.17	34.68
PK	17.2632G	67.83	68.20	-0.37	49.07	3	Vertical	198	1.88	-	41.24	12.09	34.57

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5755MHz_TX



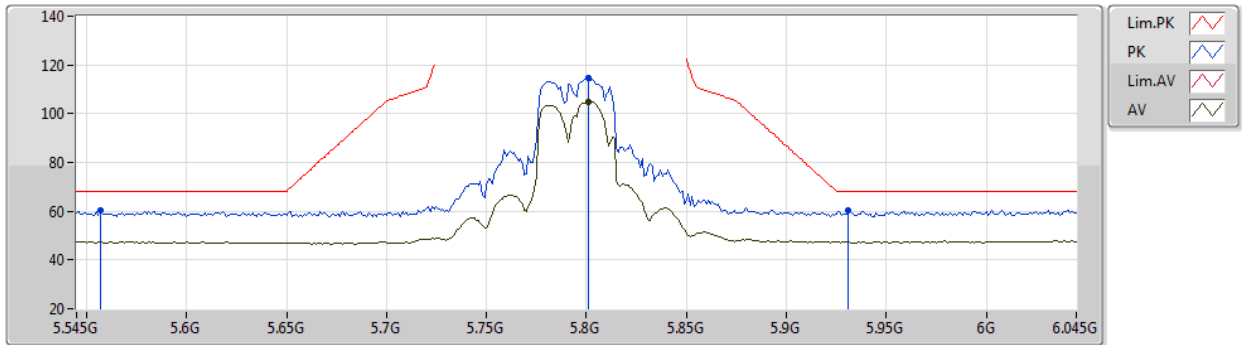
EUT Y_2TX
Setting 20
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5228G	59.40	74.00	-14.60	45.04	3	Horizontal	64	1.92	-	38.87	10.17	34.68
AV	11.5044G	46.60	54.00	-7.40	32.26	3	Horizontal	64	1.92	-	38.85	10.17	34.68
PK	17.269G	67.31	68.20	-0.89	48.51	3	Horizontal	160	1.80	-	41.27	12.10	34.57

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5795MHz_TX



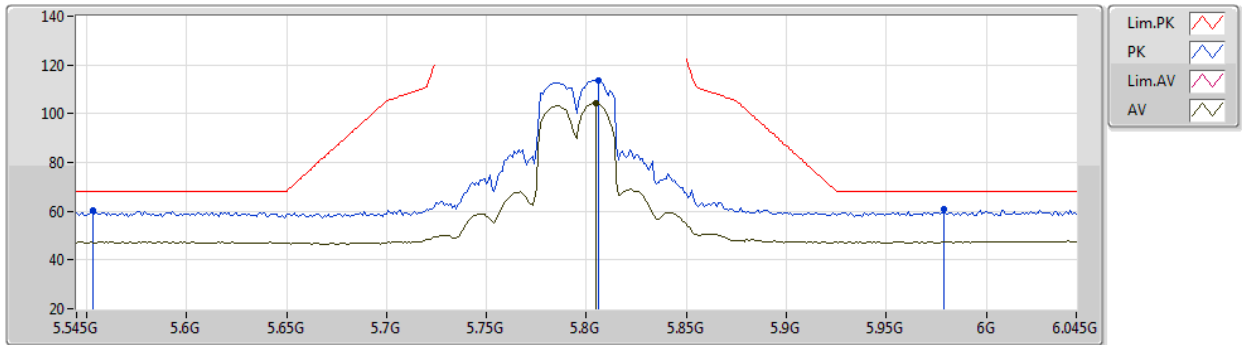
EUT Y_2TX
Setting 20
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.557G	60.19	68.20	-8.01	53.72	3	Vertical	0	1.80	-	34.44	7.02	34.99
PK	5.801G	114.46	Inf	-Inf	108.05	3	Vertical	0	1.80	-	34.30	7.04	34.93
AV	5.801G	104.97	Inf	-Inf	98.56	3	Vertical	0	1.80	-	34.30	7.04	34.93
PK	5.931G	60.26	68.20	-7.94	53.51	3	Vertical	0	1.80	-	34.59	7.05	34.89

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5795MHz_TX



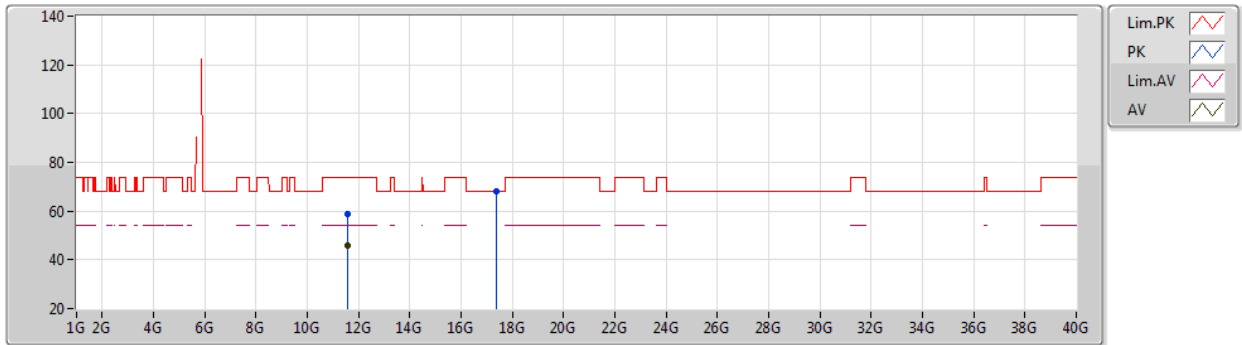
EUT Y_2TX
Setting 20
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.553G	60.09	68.20	-8.11	53.61	3	Horizontal	318	1.78	-	34.45	7.02	34.99
PK	5.806G	113.83	Inf	-Inf	107.41	3	Horizontal	318	1.78	-	34.31	7.04	34.93
AV	5.805G	104.48	Inf	-Inf	98.06	3	Horizontal	318	1.78	-	34.31	7.04	34.93
PK	5.979G	60.76	68.20	-7.44	53.84	3	Horizontal	318	1.78	-	34.74	7.06	34.88

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5795MHz_TX



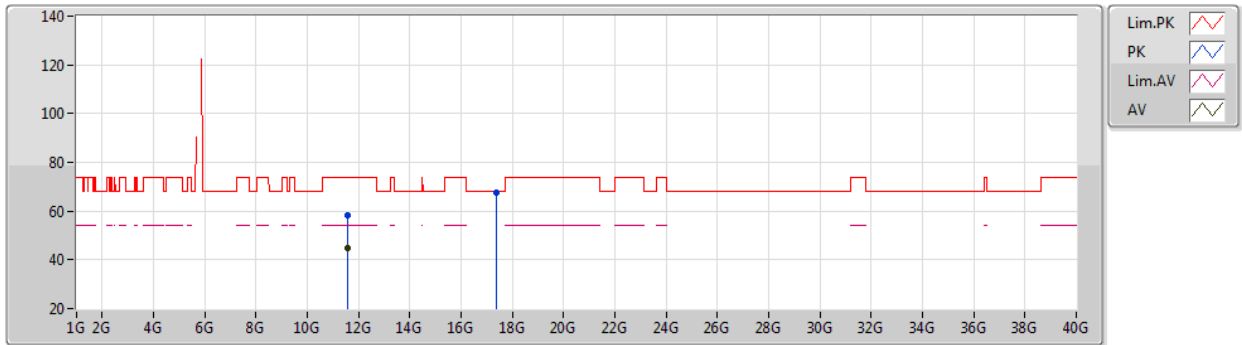
EUT Y_2TX
Setting 20
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.58664G	58.76	74.00	-15.24	44.37	3	Vertical	107	1.04	-	38.91	10.18	34.70
AV	11.58466G	45.75	54.00	-8.25	31.36	3	Vertical	107	1.04	-	38.91	10.18	34.70
PK	17.367G	68.02	68.20	-0.18	48.70	3	Vertical	147	2.80	-	41.77	12.12	34.57

802.11ac VHT40_Nss1,(MCS0)_2TX

12/05/2020

5795MHz_TX



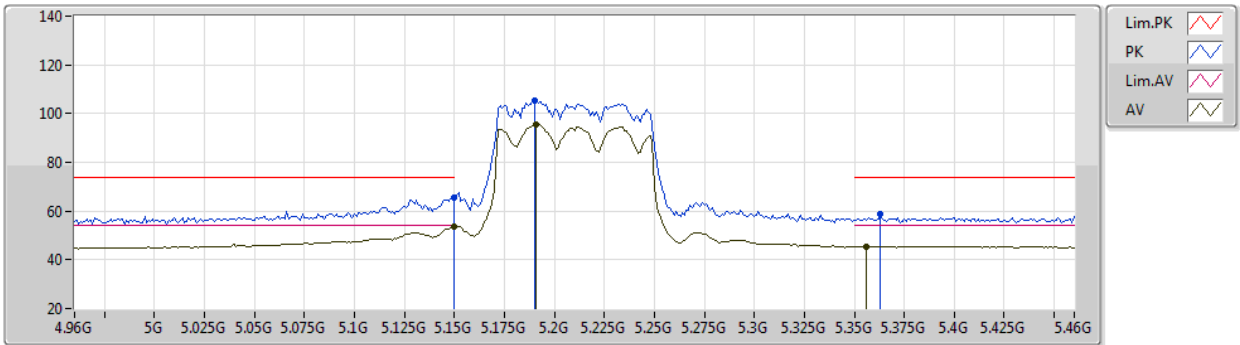
EUT Y_2TX
Setting 20
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.58706G	58.10	74.00	-15.90	43.71	3	Horizontal	184	2.79	-	38.91	10.18	34.70
AV	11.58682G	44.68	54.00	-9.32	30.29	3	Horizontal	184	2.79	-	38.91	10.18	34.70
PK	17.3632G	67.47	68.20	-0.73	48.17	3	Horizontal	249	1.83	-	41.75	12.12	34.57

802.11ac VHT80_Nss1,(MCS0)_2TX

12/05/2020

5210MHz_TX



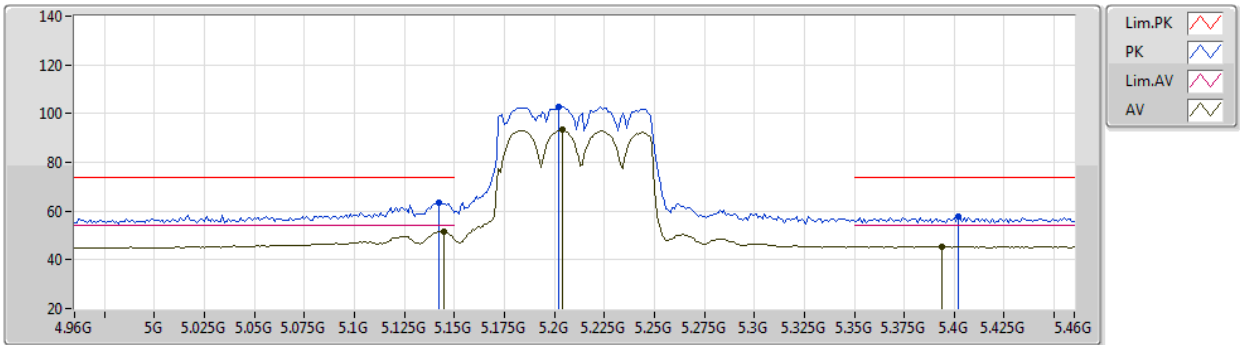
EUT Y_2TX
Setting 16
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	65.44	74.00	-8.56	59.72	3	Vertical	30	2.01	-	31.75	5.60	31.63
AV	5.15G	53.74	54.00	-0.26	48.02	3	Vertical	30	2.01	-	31.75	5.60	31.63
PK	5.19G	105.26	Inf	-Inf	99.77	3	Vertical	30	2.01	-	31.55	5.60	31.66
AV	5.191G	95.44	Inf	-Inf	89.95	3	Vertical	30	2.01	-	31.55	5.60	31.66
PK	5.363G	58.91	74.00	-15.09	53.47	3	Vertical	30	2.01	-	31.42	5.76	31.74
AV	5.356G	45.56	54.00	-8.44	40.16	3	Vertical	30	2.01	-	31.38	5.76	31.74

802.11ac VHT80_Nss1,(MCS0)_2TX

12/05/2020

5210MHz_TX



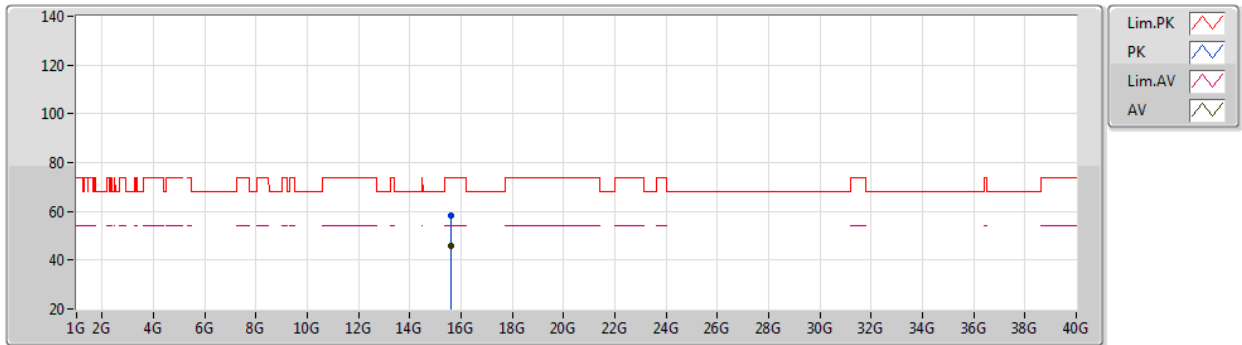
EUT Y_2TX
Setting 16
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.142G	63.35	74.00	-10.65	57.59	3	Horizontal	321	1.80	-	31.79	5.60	31.63
AV	5.145G	51.73	54.00	-2.27	45.99	3	Horizontal	321	1.80	-	31.77	5.60	31.63
PK	5.202G	102.92	Inf	-Inf	97.49	3	Horizontal	321	1.80	-	31.49	5.60	31.66
AV	5.204G	93.45	Inf	-Inf	88.03	3	Horizontal	321	1.80	-	31.48	5.60	31.66
PK	5.402G	57.63	74.00	-16.37	51.99	3	Horizontal	321	1.80	-	31.60	5.80	31.76
AV	5.394G	45.57	54.00	-8.43	39.97	3	Horizontal	321	1.80	-	31.57	5.79	31.76

802.11ac VHT80_Nss1,(MCS0)_2TX

12/05/2020

5210MHz_TX



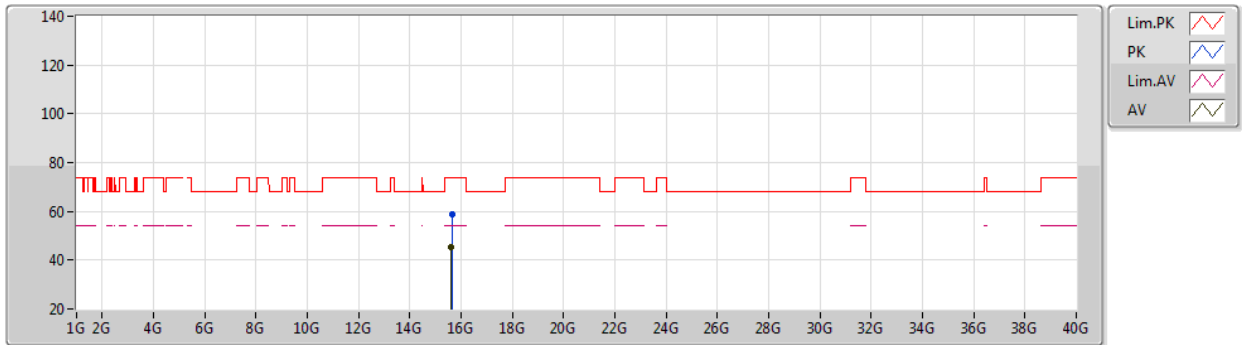
EUT Y_2TX
Setting 16
06-E-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.62772G	58.31	74.00	-15.69	44.50	3	Vertical	360	1.76	-	38.80	8.74	33.73
AV	15.63024G	45.63	54.00	-8.37	31.83	3	Vertical	360	1.76	-	38.79	8.74	33.73

802.11ac VHT80_Nss1,(MCS0)_2TX

12/05/2020

5210MHz_TX



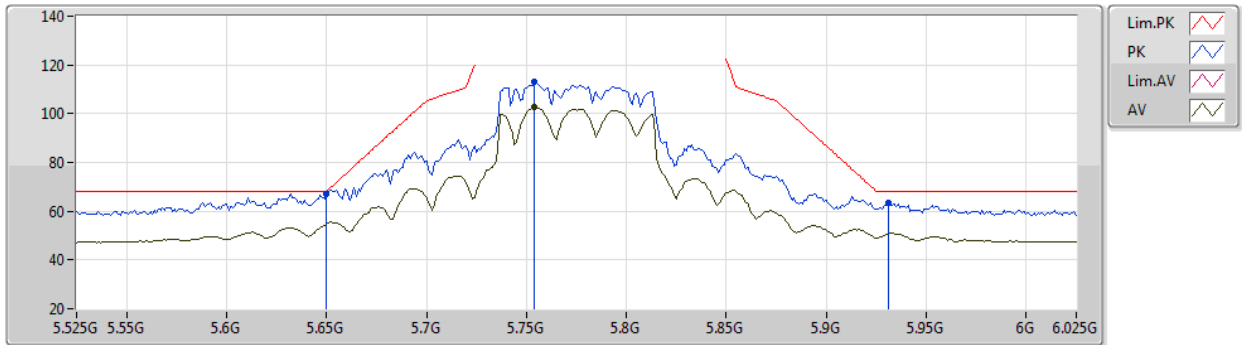
EUT Y_2TX
Setting 16
06-E-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.64002G	58.99	74.00	-15.01	45.23	3	Horizontal	0	2.95	-	38.76	8.74	33.74
AV	15.61686G	45.48	54.00	-8.52	31.63	3	Horizontal	0	2.95	-	38.84	8.74	33.73

802.11ac VHT80_Nss1,(MCS0)_2TX

12/05/2020

5775MHz_TX



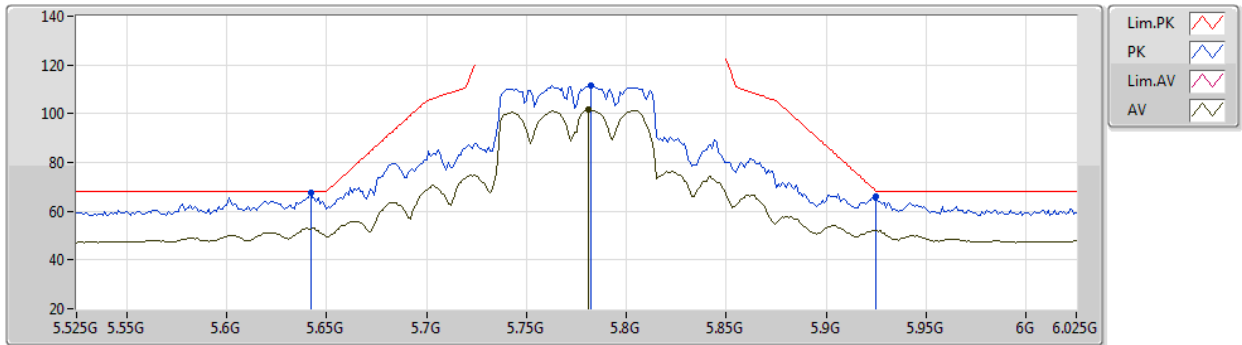
EUT Y_2TX
Setting 22
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	67.09	68.20	-1.11	60.68	3	Vertical	33	1.79	-	34.35	7.03	34.97
PK	5.754G	113.12	Inf	-Inf	106.72	3	Vertical	33	1.79	-	34.30	7.04	34.94
AV	5.754G	102.95	Inf	-Inf	96.55	3	Vertical	33	1.79	-	34.30	7.04	34.94
PK	5.931G	63.45	68.20	-4.75	56.70	3	Vertical	33	1.79	-	34.59	7.05	34.89

802.11ac VHT80_Nss1,(MCS0)_2TX

12/05/2020

5775MHz_TX



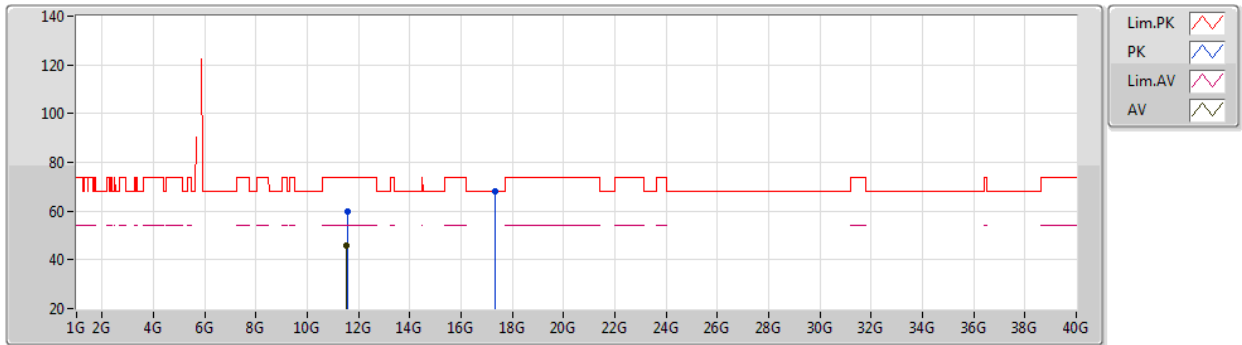
EUT Y_2TX
Setting 22
03-A-B-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.642G	67.44	68.20	-0.76	61.03	3	Horizontal	336	1.80	-	34.36	7.02	34.97
PK	5.782G	111.64	Inf	-Inf	105.23	3	Horizontal	336	1.80	-	34.30	7.04	34.93
AV	5.781G	101.91	Inf	-Inf	95.50	3	Horizontal	336	1.80	-	34.30	7.04	34.93
PK	5.925G	66.27	68.20	-1.93	59.53	3	Horizontal	336	1.80	-	34.58	7.05	34.89

802.11ac VHT80_Nss1,(MCS0)_2TX

12/05/2020

5775MHz_TX



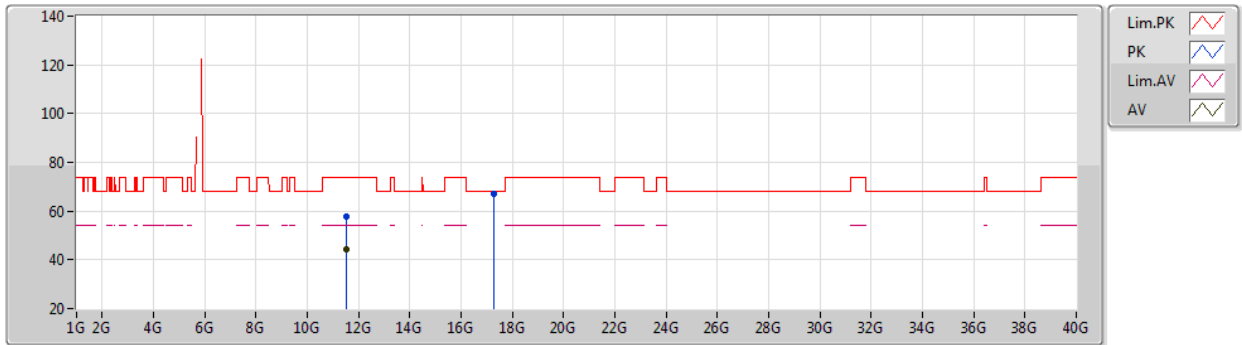
EUT Y_2TX
Setting 22
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5608G	59.64	74.00	-14.36	45.27	3	Vertical	2	1.80	-	38.89	10.17	34.69
AV	11.5432G	45.79	54.00	-8.21	31.43	3	Vertical	2	1.80	-	38.88	10.17	34.69
PK	17.3298G	67.98	68.20	-0.22	48.86	3	Vertical	50	1.94	-	41.58	12.11	34.57

802.11ac VHT80_Nss1,(MCS0)_2TX

12/05/2020

5775MHz_TX



EUT Y_2TX
Setting 22
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.502G	57.68	74.00	-16.32	43.34	3	Horizontal	280	1.90	-	38.85	10.17	34.68
AV	11.544G	44.52	54.00	-9.48	30.16	3	Horizontal	280	1.90	-	38.88	10.17	34.69
PK	17.2854G	67.14	68.20	-1.06	48.25	3	Horizontal	56	1.85	-	41.36	12.10	34.57



Radiated Emissions above 1GHz

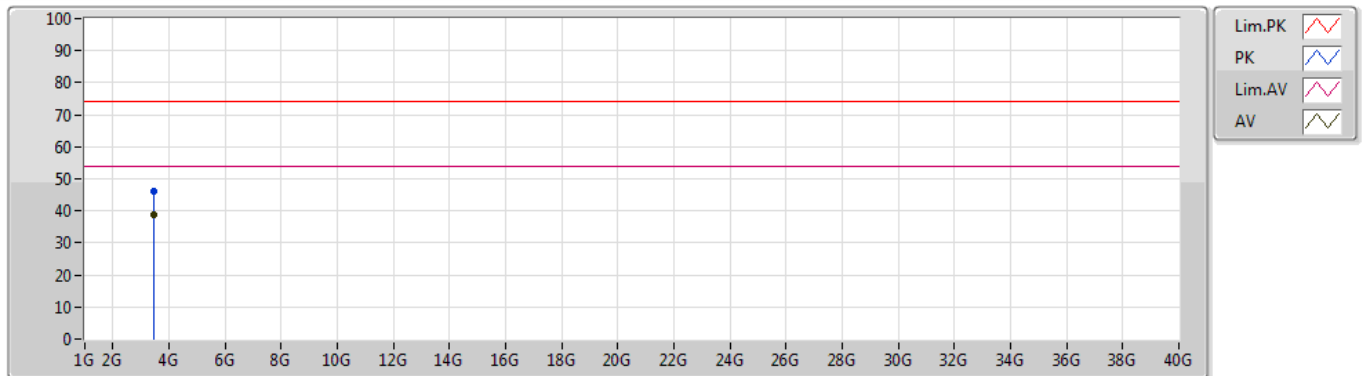
Appendix F

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	3.47333G	39.24	54.00	-14.76	Horizontal

Mode 1

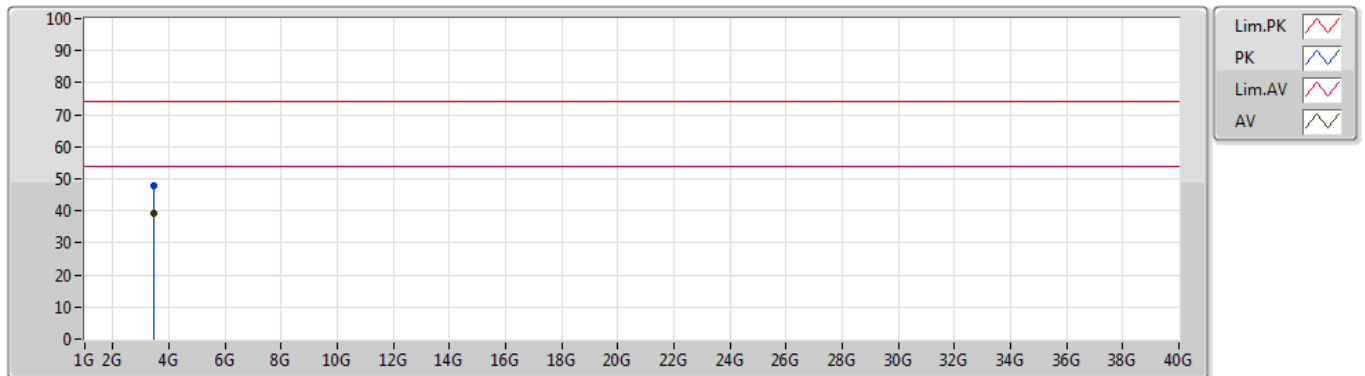
14/05/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	3.47323G	46.02	74.00	-27.98	0.48	3	Vertical	182	1.24	-	45.54	30.47	4.17	34.16
AV	3.47335G	38.79	54.00	-15.21	0.48	3	Vertical	182	1.24	"Worst"	38.31	30.47	4.17	34.16

Mode 1

14/05/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	3.4734G	47.85	74.00	-26.15	0.48	3	Horizontal	160	1.00	-	47.37	30.47	4.17	34.16
AV	3.47333G	39.24	54.00	-14.76	0.48	3	Horizontal	160	1.00	"Worst"	38.76	30.47	4.17	34.16