Testing Laboratory 1190

FCC RADIO TEST REPORT

FCC ID	: Z8H89FT0048
Equipment	: ePMP 5GHz Force 300-13 SM /ePMP 5GHz Force 300-19 SM /ePMP 5GHz Force 300-19R SM
Brand Name	: Cambium Networks
Model Name	: ePMP 5GHz Force 300-13 SM /ePMP 5GHz Force 300-19 SM /ePMP 5GHz Force 300-19R SM
Model Number	: C058900P701A/C058900P801A/C058900P901A
Applicant	: Cambium Networks Inc. 3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA
Manufacturer	: Cambium Networks, Ltd. Ashburton, TQ13 7UP, UK
Standard	: 47 CFR FCC Part 15.407
Test Frequencies	: 5180MHz~5240MHz 5745MHz~5825MHz

The product was received on Apr. 19, 2019, and testing was started from Apr. 25, 2019 and completed on Jul. 12, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.
The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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Photographs of EUT v02

History of this test report

Report No.	Version	Description	Issued Date
FR932717-01	01	Initial issue of report	Jun. 05, 2019
FR932717-01	02	Changing the information of antenna and multiple listing	Jul. 02, 2019
FR932717-01	03	1. Adding equipment: ePMP 5GHz Force 300-19R SM, model name: ePMP 5GHz Force 300-19R SM, model number: C058900P901A. 2. Replace antenna 2 and 3 test result of EUT 1. 3. Adding EUT 3.	Jul. 16, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Cliff Chang

Report Producer: Emily Chen

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, ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	ac (VHT80)	5210	42 [1]
5725-5850		5775	155 [1]

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

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Type	Connector	Gain (dBi)
1	1	ABRACON	ARAMS-121	Dipole	Reversed-SMA	2
	2	ABRACON	ARAMS-121	Dipole	Reversed-SMA	2
2	1	TSKY	180-100-1051R	Patch	I-PEX	13
	2	TSKY	180-100-1051R	Patch	I-PEX	13
3	1	TSKY	180-100-1077R	Patch	I-PEX	19
	2	TSKY	180-100-1077R	Patch	I-PEX	19

Note 1: The above information was declared by manufacturer.

Note 2: The array gain of the antenna is 0dBi.

Note 3: The EUT has three antennas, and each antenna has two ports.

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

For EUT 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.964	0.16	2.065m	1k
802.11ac VHT20	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80	0.935	0.29	1.149m	1k

For EUT 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.96	0.18	2.065m	1k
802.11ac VHT20	0.97	0.13	2.437m	1k
802.11ac VHT80	0.939	0.27	1.149m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☐	Indoor P2M
	☒	Fixed P2P	☐	Client
Test Software Version	QRCT Version3.0.250.0			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The difference for each equipment names/model names is shown as below:

EUT	Equipment Name	Model Name	Model Number	Equip antenna	Chip	Description
1	ePMP 5GHz Force 300-13 SM	ePMP 5GHz Force 300-13 SM	C058900P701A	Ant. 1 / 2 / 3	IPQ4019	The difference served as marketing strategy.
2	ePMP 5GHz Force 300-19 SM	ePMP 5GHz Force 300-19 SM	C058900P801A	Ant. 1 / 2 / 3	IPQ4019	
3	ePMP 5GHz Force 300-19R SM	ePMP 5GHz Force 300-19R SM	C058900P901A	Ant. 1 / 3	IPQ4029	Note 1

Note 1:

IPQ4029 and IPQ4019 are electrically and structurally identical and comply with following conditions:

-Both IPQ4029 and IPQ4019 components are pin-for-pin compatible.

-Both IPQ4029 and IPQ4019 have the same basic function.

-Both IPQ4029 and IPQ4019 are indentical in radio parameters.

Note 2: The above information was declared by manufacturer.

Note 3: From the above models, model: ePMP 5GHz Force 300-13 SM and ePMP 5GHz Force 300-19R SM were selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v02r01
- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01

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	For EUT1: TH01-CB	Brian Sun	22~24°C / 50~60%	Apr. 25, 2019~Jun. 27, 2019
	For EUT3: TH02-CB	Eddie Weng	22~24.5°C / 50~58%	Jun. 10, 2019~Jun. 28, 2019
Radiated Below 1GHz	For EUT1: 03CH01-CB	Cola Fan	22~24°C / 50~60%	May 08, 2019~May 09, 2019
	For EUT3: 03CH05-CB	Lance Wu	22~25°C / 50~61%	Jul. 12, 2019
Radiated Above1GHz	For EUT1: 03CH01-CB	Paul Chen	22~24°C / 50~60%	May 08, 2019
	For EUT3: 03CH05-CB	Zero Chen	21~24°C / 51~60%	Jun. 21, 2019
AC Conduction	CO01-CB	Wei Li	24.1~24.8°C / 58~60%	May 08, 2019

Test site Designation No. TW0006 with FCC
Test site registered number IC 4086B 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)

For CO01-CB, 03CH01-CB and TH01-CB

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

For 03CH05-CB and TH02-CB

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

For EUT 1
For Ant. 1:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	22
5200MHz	26
5240MHz	27
5745MHz	29
5785MHz	29
5825MHz	29
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	21
5200MHz	24.5
5240MHz	27
5745MHz	29
5785MHz	29
5825MHz	29
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	17.5
5775MHz	22

For Ant. 2:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	15
5200MHz	17
5240MHz	17
5745MHz	29
5785MHz	29
5825MHz	29
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	15
5200MHz	19
5240MHz	18
5745MHz	29
5785MHz	29
5825MHz	29
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	11.5
5775MHz	21

For Ant. 3:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	9
5200MHz	9.5
5240MHz	9
5745MHz	19
5785MHz	19
5825MHz	19
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	10
5200MHz	10
5240MHz	9.5
5745MHz	19
5785MHz	19
5825MHz	19
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	8
5775MHz	22.5

For EUT 3
For Ant. 1:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	19
5200MHz	23.5
5240MHz	27
5745MHz	27
5785MHz	27
5825MHz	27
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	19
5200MHz	23.5
5240MHz	27
5745MHz	27
5785MHz	27
5825MHz	27
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	15
5775MHz	22

For Ant. 3:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	8.5
5200MHz	8.5
5240MHz	9
5745MHz	20
5785MHz	19
5825MHz	17
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	8.5
5200MHz	8.5
5240MHz	9.5
5745MHz	20
5785MHz	19
5825MHz	17
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	5
5775MHz	13

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	CTX
1	EUT 1 + Ant. 3 with PoE 1
2	EUT 1 + Ant. 3 with PoE 2
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	EUT 1 + Ant. 1
2	EUT 1 + Ant. 2
3	EUT 1 + Ant. 3
4	EUT 3 + Ant. 1
5	EUT 3 + Ant. 3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement
Operating Mode < 1GHz	CTX
The EUT 1 was performed in X axis, Y axis and Z axis postion, and the worst case was found in Y axis from Unwanted Emissions above 1GHz. So the meaesurement will follow this same test configuraiton. The EUT 3 was performed in X axis, Y axis and Z axis postion, and the worst case was found in Z axis from Unwanted Emissions above 1GHz. So the meaesurement will follow this same test configuraiton.	
1	EUT 1 + Ant. 3 with PoE 1 in Y axis
2	EUT 1 + Ant. 3 with PoE 2 in Y axis
3	EUT 3 + Ant. 3 with PoE 1 in Z axis
4	EUT 3 + Ant. 3 with PoE 2 in Z axis
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX (Cabinet)
The EUT 1 was performed in X axis, Y axis and Z axis postion, and the worst case was found in Y axis. So the meaesurement will follow this same test configuraiton. The EUT 3 was performed in X axis, Y axis and Z axis postion, and the worst case was found in Z axis. So the meaesurement will follow this same test configuraiton.	
1	EUT 1 in Y axis
2	EUT 3 in Z axis
For operating mode 1 is the worst case and it was record in this test report.	
Test Condition	Conducted measurement
Operating Mode > 1GHz	CTX
1	EUT 1 + Ant. 1
2	EUT 1 + Ant. 2
3	EUT 1 + Ant. 3
4	EUT 3 + Ant. 1
5	EUT 3 + Ant. 3

Note 1: The EUT 1 and EUT 3 do not affect the test result of conducted emissions, so EUT 1 was selected to test and record for the AC power-line conducted emissions test.

Note 2: The Ant.3's gain is higher than Ant. 1 and Ant. 2, so Ant. 3 was selected to test and record for the AC power-line conducted emissions test and radiated measurement test below 1GHz test.

Note 3: PoE information as below:

The EUT was powered by PoE, and the PoE was for measurement only, would not be marketed.

Support Unit	Brand Name	Model Name
PoE 1	ChenZhou Frecom	PGOF24D0-300050
PoE 2	Cambium Networks	NET-P15-30IN

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	ChenZhou Frecom	PGOF24D0-300050	N/A
B	LAN NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE	Cambium Networks	NET-P15-30IN	N/A

For Radiated (above 1GHz):

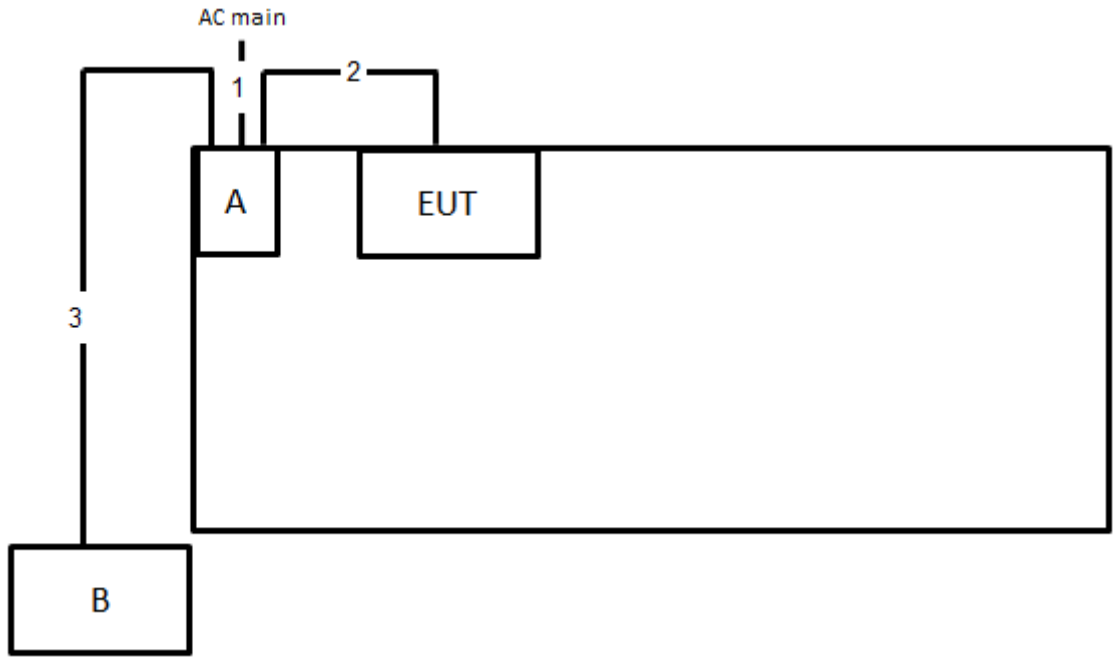
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE	Cambium Networks	NET-P15-30IN	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE	Cambium Networks	NET-P15-30IN	N/A

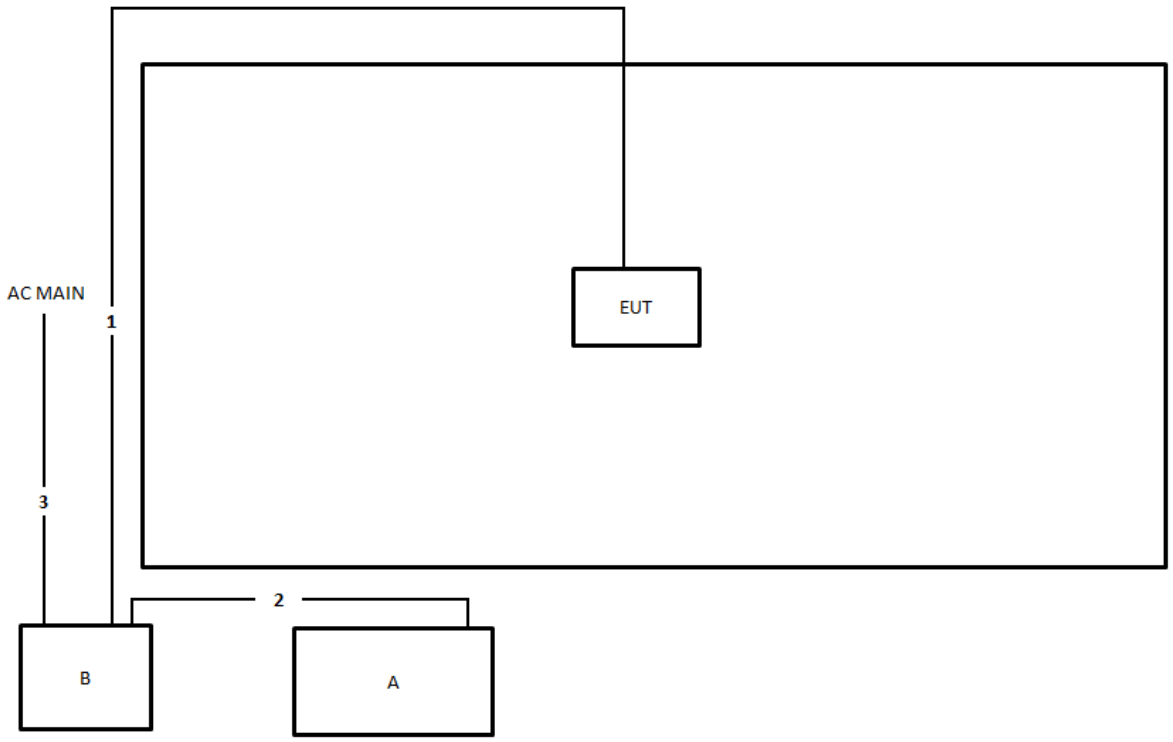
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	0.7m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	Power cable	No	0.6m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

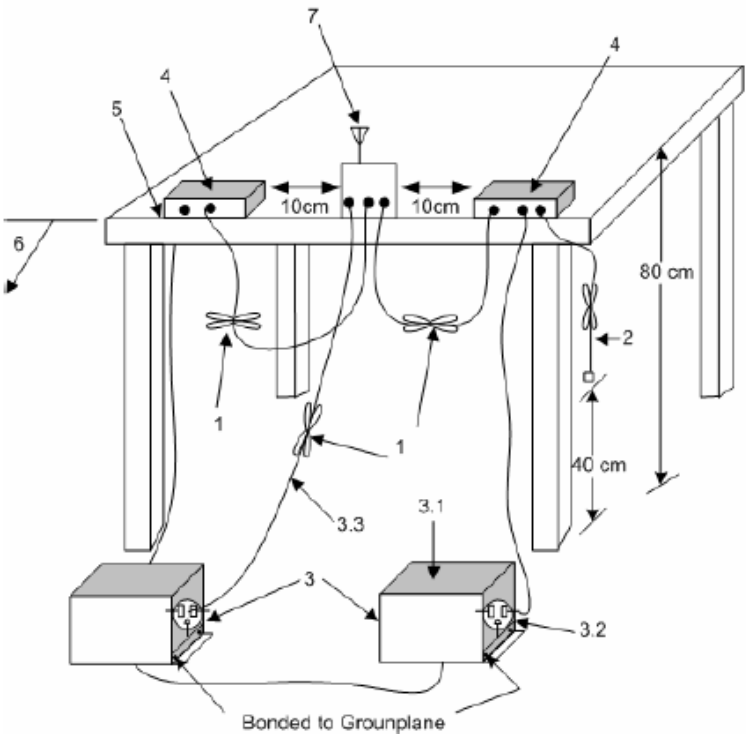
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

3.2.2 Measuring Instruments

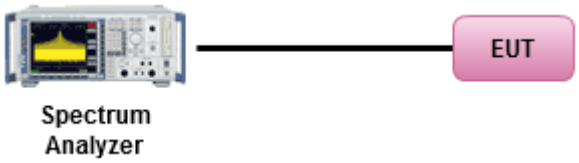
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

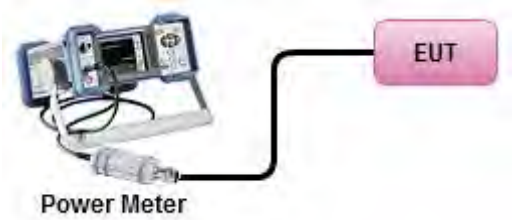
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Power Meter)



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

3.4.2 Measuring Instruments

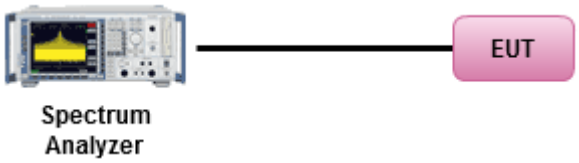
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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

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

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

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

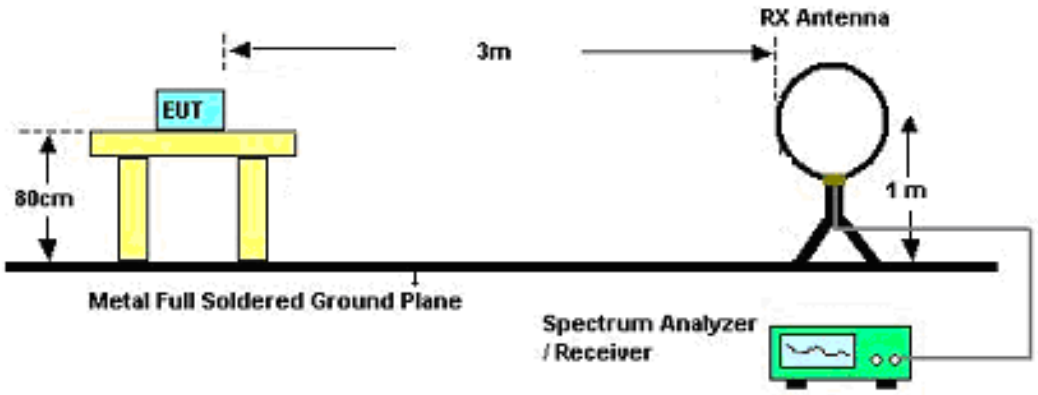
Test Method		
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies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

Test Method	
▪ For conducted and cabinet radiation measurement, refer as FCC KDB 789033, clause G)3).	
	▪ For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

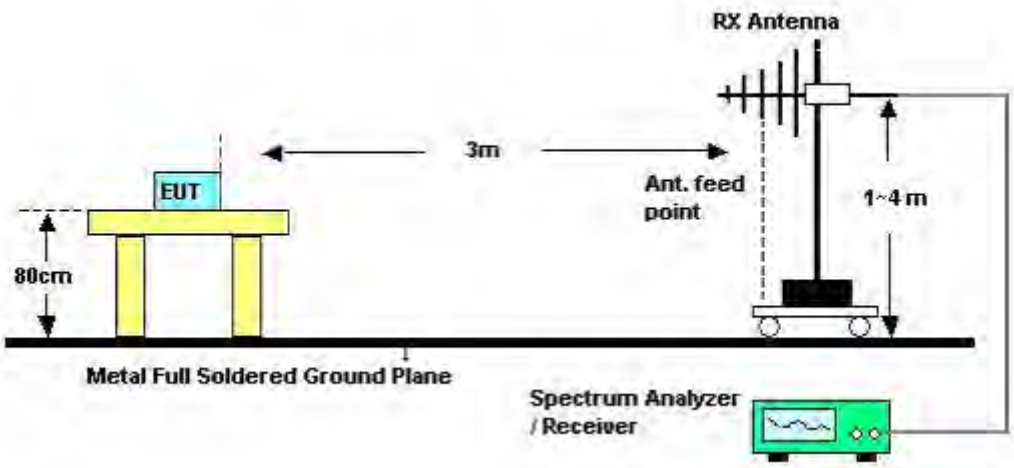
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

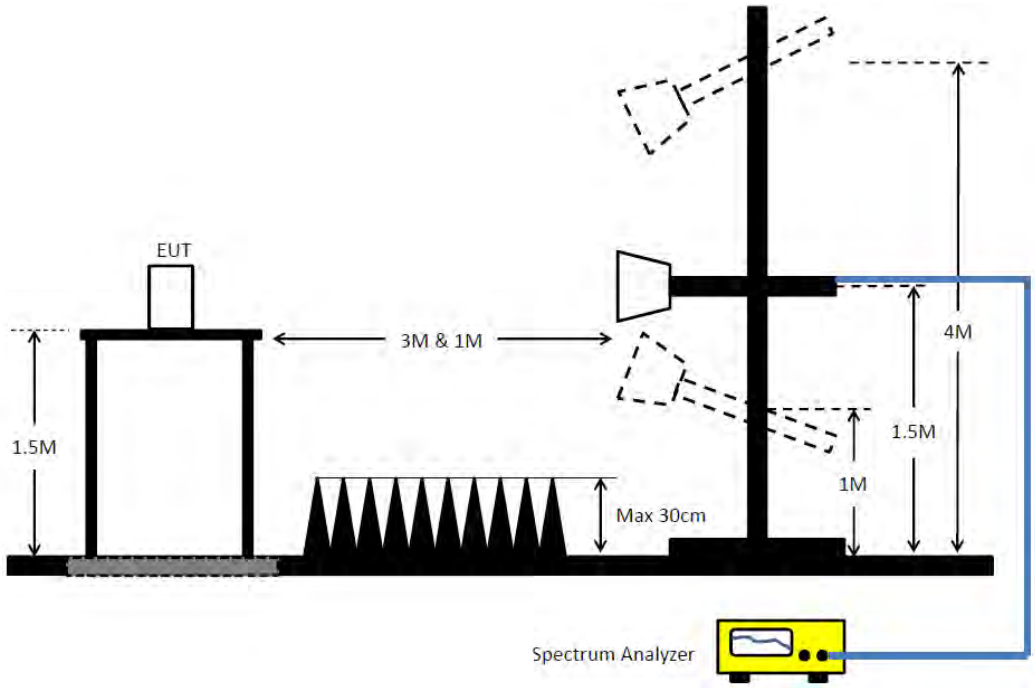
9kHz ~30MHz



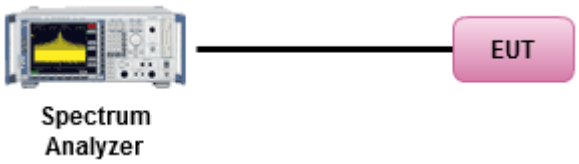
30MHz~1GHz



Above 1GHz



Transmitter Conducted Unwanted Emissions



3.5.5 Measurement Results Calculation

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	150kHz ~ 30MHz	May 22, 2018	May 21, 2019	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH01-CB
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	Jun. 13, 2018	Jun. 12, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESE & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 28, 2019	Mar. 27, 2020	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1291	1GHz~18GHz	Oct. 12, 2018	Oct. 11, 2019	Radiation (03CH05-CB)

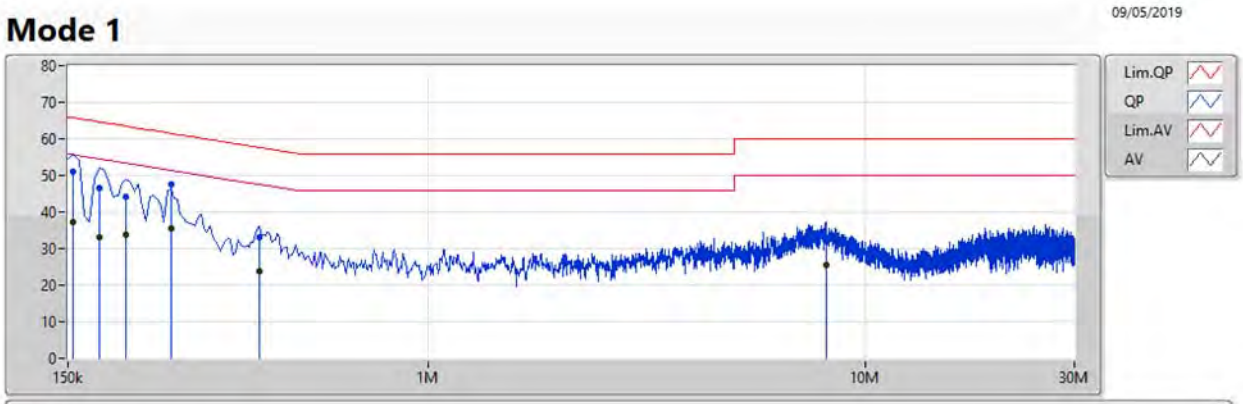
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Mar. 28, 2019	Mar. 27, 2020	Radiation (03CH05-CB)
Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jun. 26, 2019	Jun. 25, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+23	30MHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2018	Nov. 04, 2019	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 03, 2018	Sep. 02, 2019	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 03, 2018	Sep. 02, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 24, 2018	Oct. 23, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)

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

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

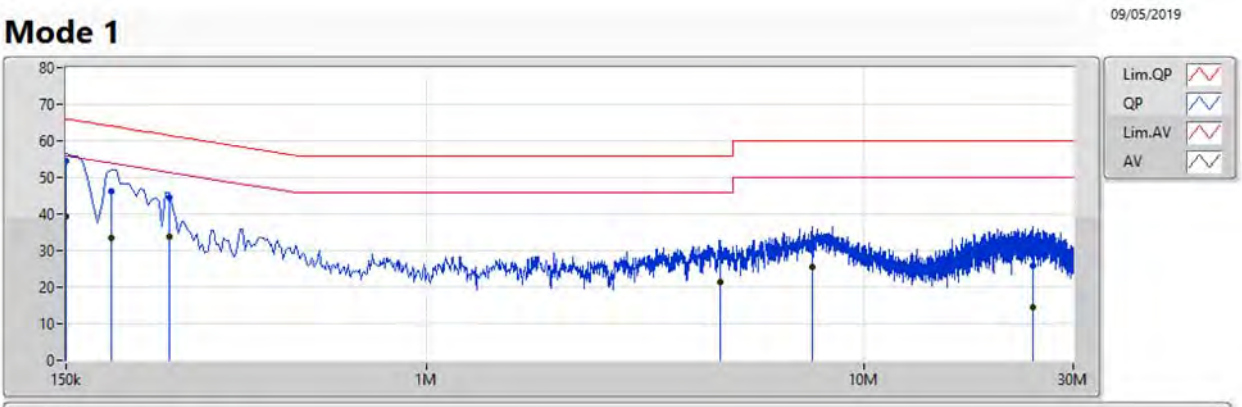
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	CTX		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	51.00	65.75	-14.75	10.00	Line	-	41.00	0.05	0.16	9.79
AV	154.5k	37.35	55.75	-18.40	10.00	Line	-	27.35	0.05	0.16	9.79
QP	177k	46.61	64.62	-18.01	10.00	Line	-	36.61	0.06	0.15	9.79
AV	177k	33.09	54.62	-21.53	10.00	Line	-	23.09	0.06	0.15	9.79
QP	204k	44.07	63.44	-19.37	9.99	Line	-	34.08	0.06	0.14	9.79
AV	204k	33.87	53.44	-19.57	9.99	Line	-	23.88	0.06	0.14	9.79
QP	258k	47.57	61.49	-13.92	9.99	Line	"Worst"	37.58	0.06	0.13	9.80
AV	258k	35.43	51.49	-16.06	9.99	Line	-	25.44	0.06	0.13	9.80
QP	411k	33.21	57.63	-24.42	9.99	Line	-	23.22	0.06	0.12	9.81
AV	411k	23.96	47.63	-23.67	9.99	Line	-	13.97	0.06	0.12	9.81
QP	8.142M	32.13	60.00	-27.87	10.24	Line	-	21.89	0.19	0.15	9.90
AV	8.142M	25.36	50.00	-24.64	10.24	Line	-	15.12	0.19	0.15	9.90

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

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	CTX		



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)
QP	150k	54.50	66.00	-11.50	9.99	Neutral	"Worst"	44.51	0.04	0.16	9.79
AV	150k	39.33	56.00	-16.67	9.99	Neutral	-	29.34	0.04	0.16	9.79
QP	190.5k	46.25	64.01	-17.76	9.97	Neutral	-	36.28	0.04	0.14	9.79
AV	190.5k	33.46	54.01	-20.55	9.97	Neutral	-	23.49	0.04	0.14	9.79
QP	258k	44.63	61.49	-16.86	9.97	Neutral	-	34.66	0.04	0.13	9.80
AV	258k	33.69	51.49	-17.80	9.97	Neutral	-	23.72	0.04	0.13	9.80
QP	4.673M	28.75	56.00	-27.25	10.08	Neutral	-	18.67	0.12	0.13	9.83
AV	4.673M	21.39	46.00	-24.61	10.08	Neutral	-	11.31	0.12	0.13	9.83
QP	7.58M	31.87	60.00	-28.13	10.19	Neutral	-	21.68	0.16	0.14	9.89
AV	7.58M	25.39	50.00	-24.61	10.19	Neutral	-	15.20	0.16	0.14	9.89
QP	24.338M	25.76	60.00	-34.24	10.59	Neutral	-	15.17	0.31	0.26	10.02
AV	24.338M	14.51	50.00	-35.49	10.59	Neutral	-	3.92	0.31	0.26	10.02

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

For Test Mode 1:

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	37.95M	18.801M	18M8D1D	18.78M	16.342M
802.11ac VHT20_Nss1,(MCS0)_2TX	42.87M	19.01M	19M0D1D	19.65M	17.511M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.4M	75.682M	75M7D1D	83.28M	75.562M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.32M	26.087M	26M1D1D	16.26M	17.361M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	22.759M	22M8D1D	17.52M	17.841M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.24M	75.682M	75M7D1D	74.52M	75.682M

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

Result

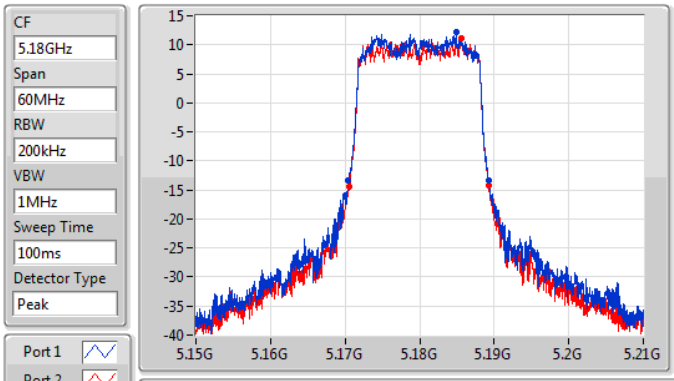
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	18.84M	16.342M	18.78M	16.432M
5200MHz	Pass	Inf	34.38M	16.672M	34.41M	16.672M
5240MHz	Pass	Inf	37.95M	18.651M	37.71M	18.801M
5745MHz	Pass	500k	16.29M	20.87M	16.32M	26.087M
5785MHz	Pass	500k	16.32M	22.459M	16.26M	24.678M
5825MHz	Pass	500k	16.32M	17.361M	16.32M	22.339M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.65M	17.511M	19.92M	17.571M
5200MHz	Pass	Inf	22.74M	17.631M	25.71M	17.661M
5240MHz	Pass	Inf	42.45M	18.531M	42.87M	19.01M
5745MHz	Pass	500k	17.58M	18.411M	17.55M	22.759M
5785MHz	Pass	500k	17.58M	21.289M	17.52M	22.039M
5825MHz	Pass	500k	17.55M	17.841M	17.55M	20.48M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.4M	75.682M	83.28M	75.562M
5775MHz	Pass	500k	75.24M	75.682M	74.52M	75.682M

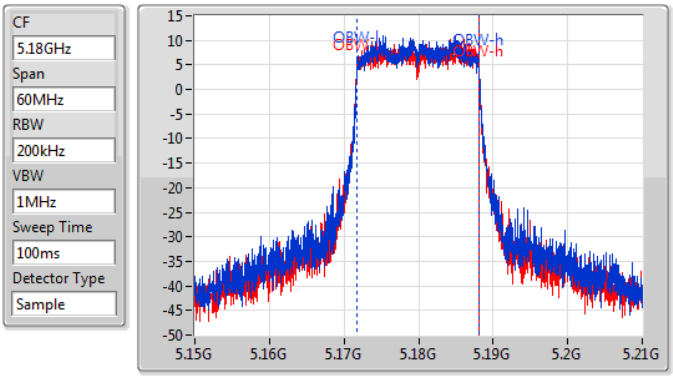
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

07/05/2019



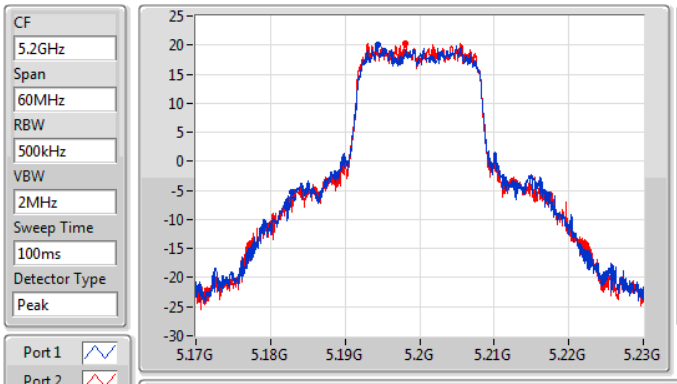


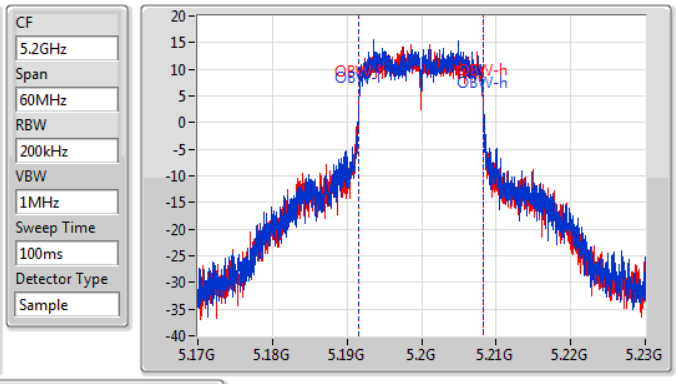
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.84M	5.17037G	5.18921G	16.342M	5.171754G	5.188096G	Inf	1
18.78M	5.17052G	5.1893G	16.432M	5.171694G	5.188126G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

07/05/2019



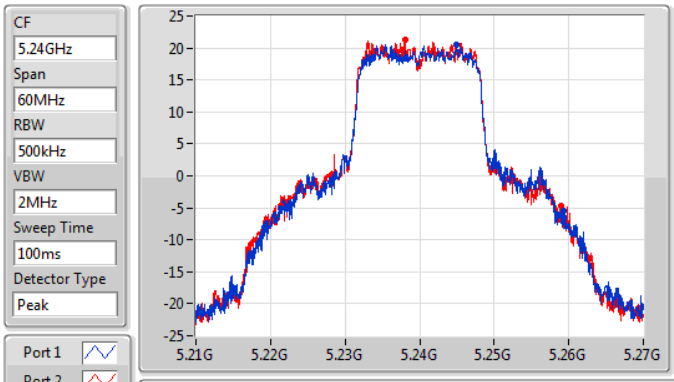


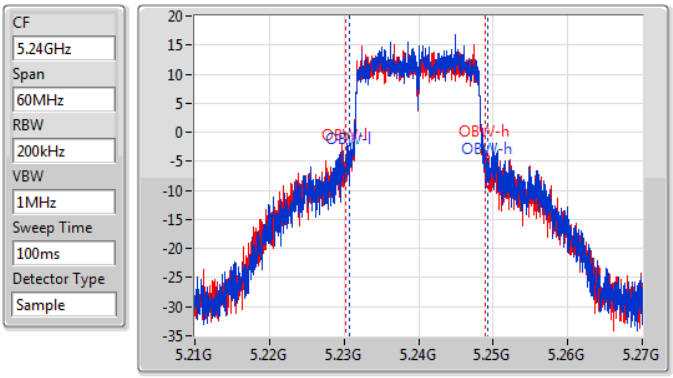
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.38M	5.18293G	5.21731G	16.672M	5.191574G	5.208246G	Inf	1
34.41M	5.18308G	5.21749G	16.672M	5.191574G	5.208246G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

07/05/2019



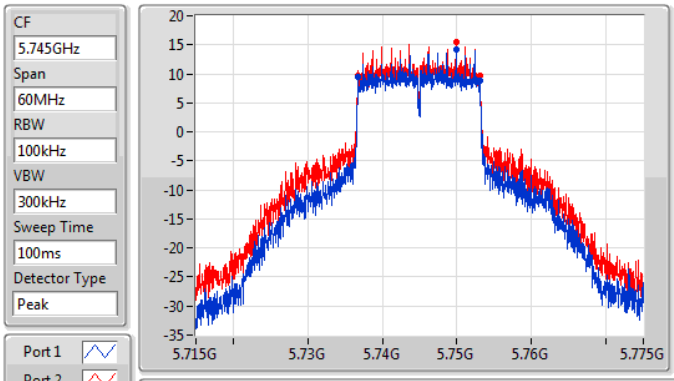


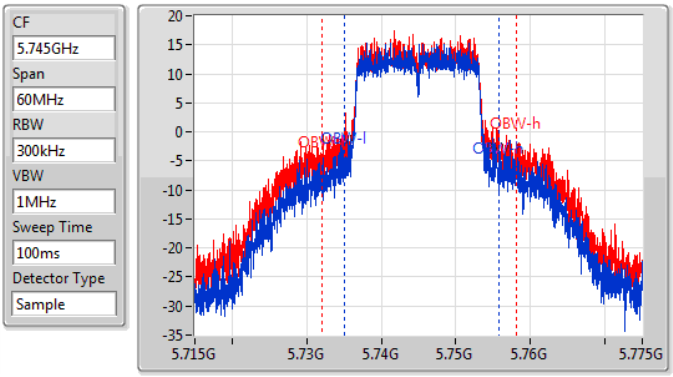
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.95M	5.22137G	5.25932G	18.651M	5.230705G	5.249355G	Inf	1
37.71M	5.22134G	5.25905G	18.801M	5.230195G	5.248996G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

07/05/2019



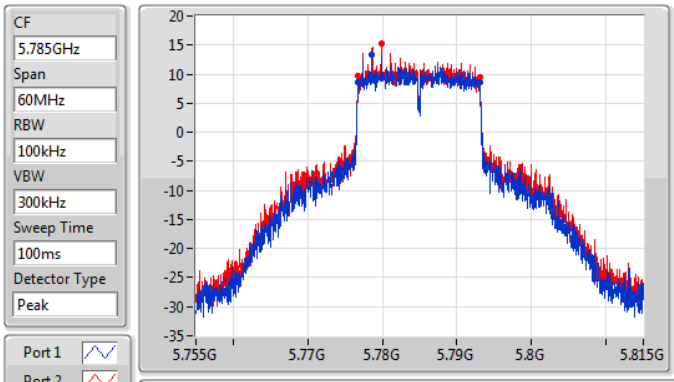


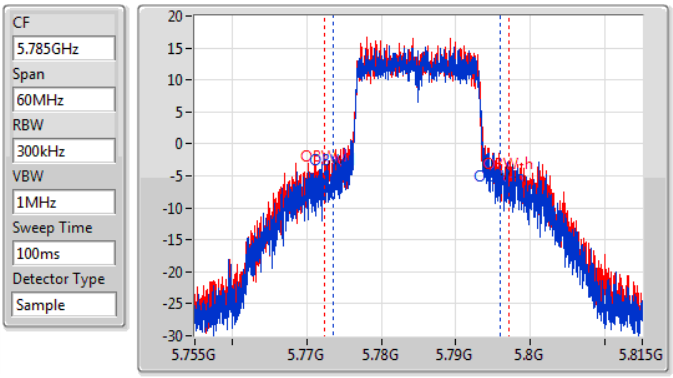
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.73678G	5.75307G	20.87M	5.734985G	5.755855G	500k	1
16.32M	5.73675G	5.75307G	26.087M	5.731987G	5.758073G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

07/05/2019



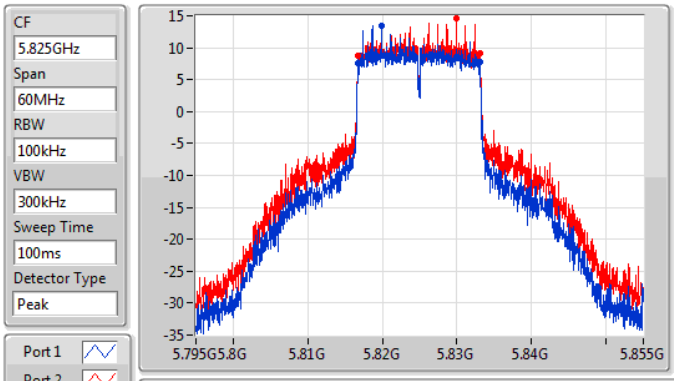


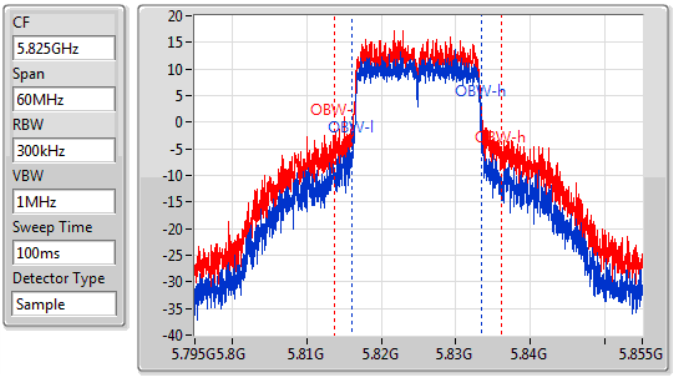
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77675G	5.79307G	22.459M	5.773486G	5.795945G	500k	1
16.26M	5.77678G	5.79304G	24.678M	5.772436G	5.797114G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

07/05/2019



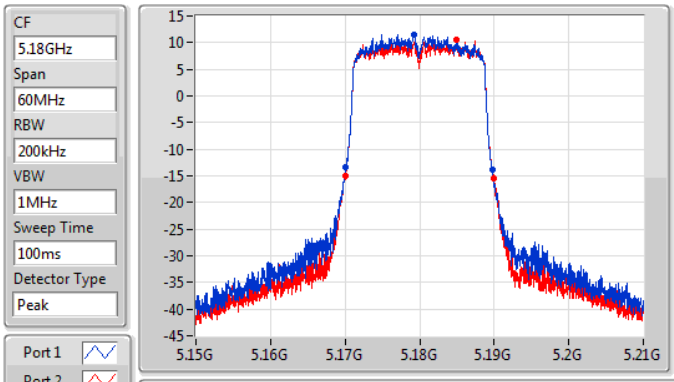


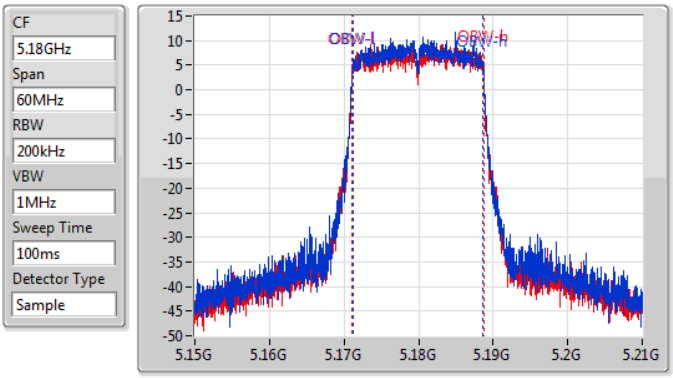
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.81675G	5.83307G	17.361M	5.816034G	5.833396G	500k	1
16.32M	5.81675G	5.83307G	22.339M	5.813696G	5.836034G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

29/04/2019



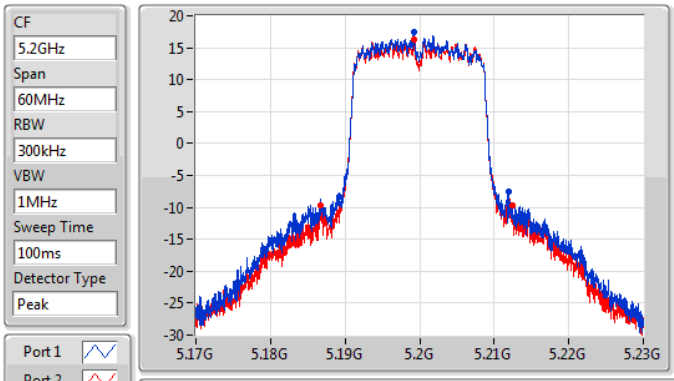


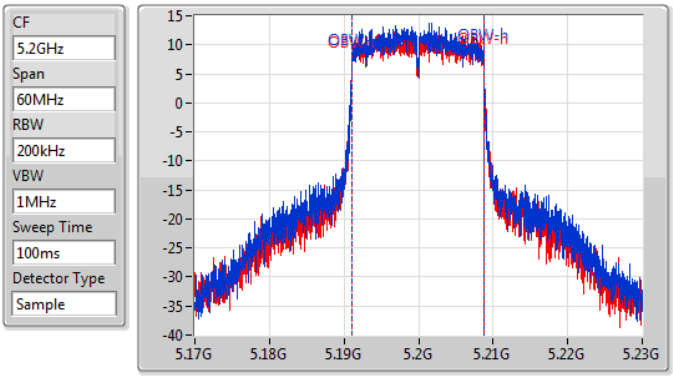
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.17007G	5.18972G	17.511M	5.171154G	5.188666G	Inf	1
19.92M	5.16998G	5.1899G	17.571M	5.171124G	5.188696G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

29/04/2019



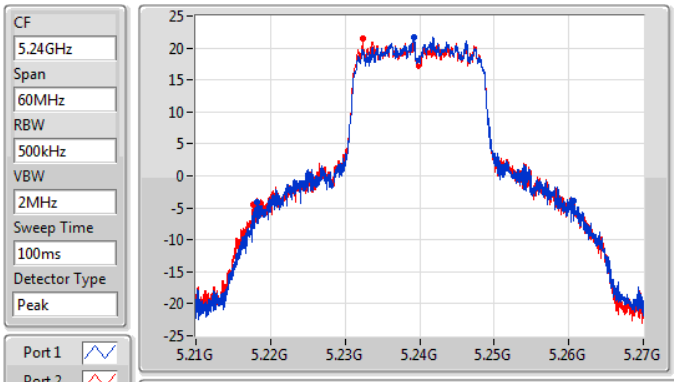


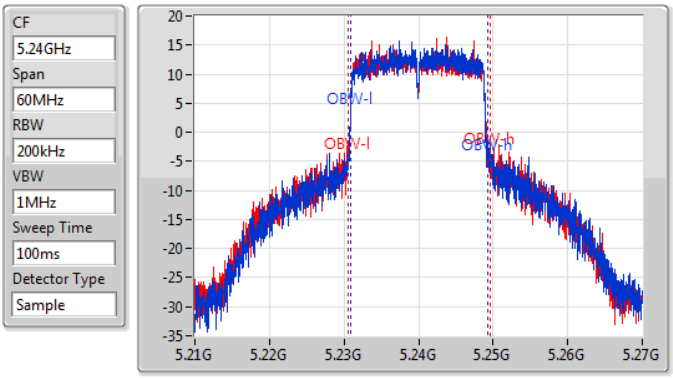
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.74M	5.18914G	5.21188G	17.631M	5.191094G	5.208726G	Inf	1
25.71M	5.18668G	5.21239G	17.661M	5.191064G	5.208726G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

29/04/2019



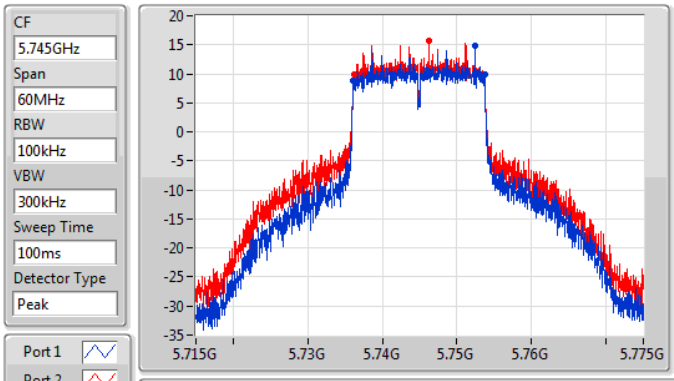


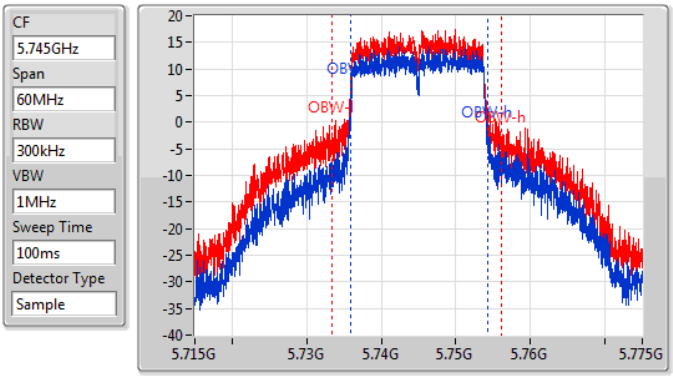
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.45M	5.21822G	5.26067G	18.531M	5.230825G	5.249355G	Inf	1
42.87M	5.21774G	5.26061G	19.01M	5.230525G	5.249535G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

29/04/2019



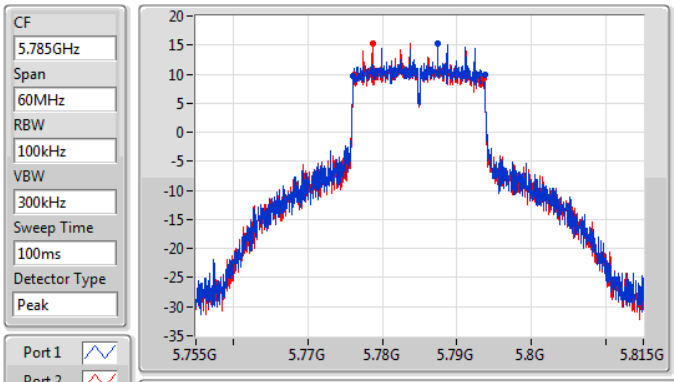


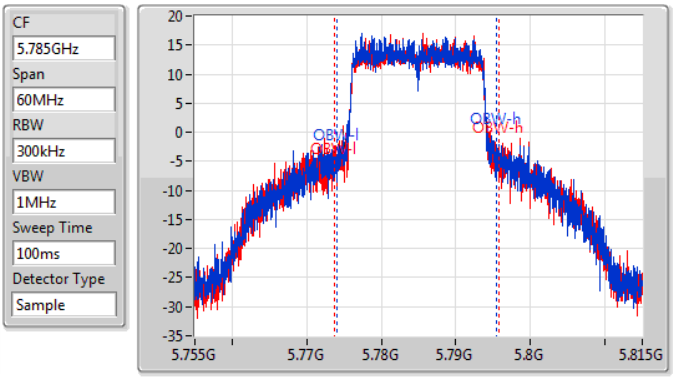
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.73612G	5.7537G	18.411M	5.735945G	5.754355G	500k	1
17.55M	5.73615G	5.7537G	22.759M	5.733396G	5.756154G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

29/04/2019



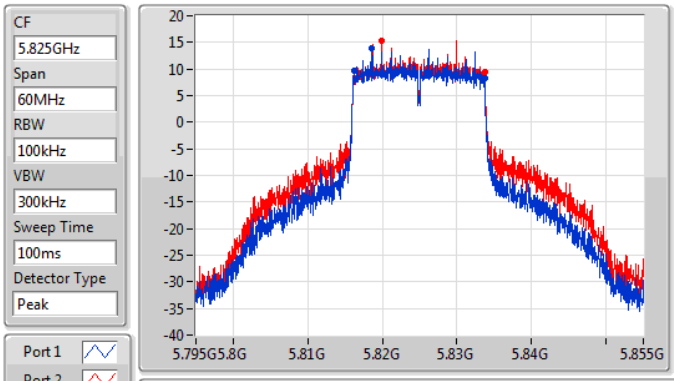


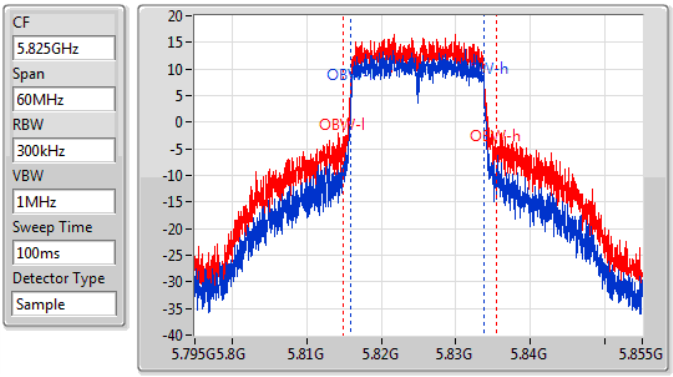
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.77612G	5.7937G	21.289M	5.774115G	5.795405G	500k	1
17.52M	5.77615G	5.79367G	22.039M	5.773666G	5.795705G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

29/04/2019



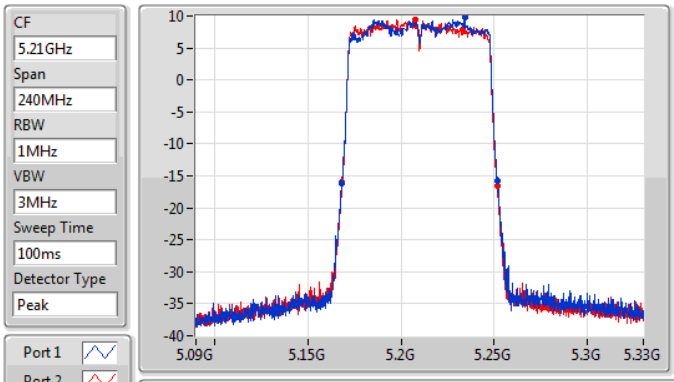


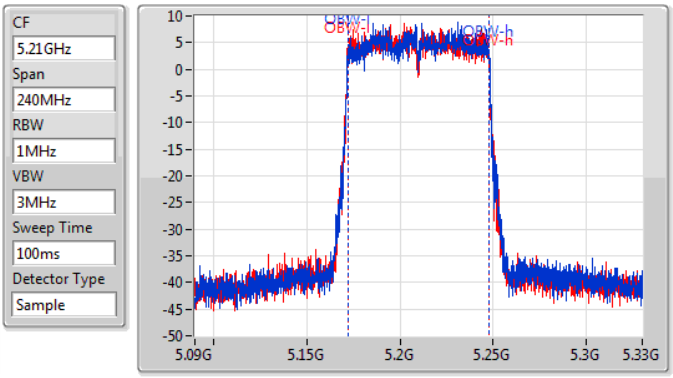
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81615G	5.8337G	17.841M	5.815975G	5.833816G	500k	1
17.55M	5.81615G	5.8337G	20.48M	5.814955G	5.835435G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

29/04/2019



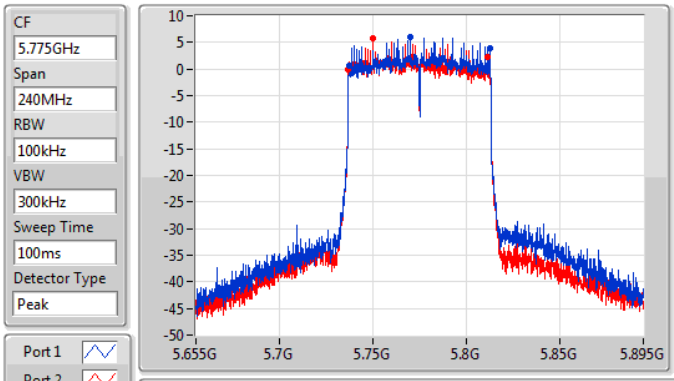


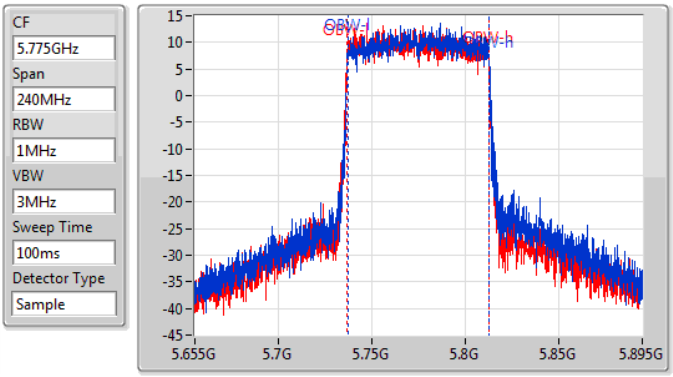
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.4M	5.16824G	5.25164G	75.682M	5.172099G	5.247781G	Inf	1
83.28M	5.16836G	5.25164G	75.562M	5.172099G	5.247661G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

29/04/2019





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.24M	5.7372G	5.81244G	75.682M	5.736979G	5.812661G	500k	1
74.52M	5.73672G	5.81124G	75.682M	5.736859G	5.812541G	500k	2

For Test Mode 2:

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.02M	16.402M	16M4D1D	18.84M	16.342M
802.11ac VHT20_Nss1,(MCS0)_2TX	19.98M	17.601M	17M6D1D	19.68M	17.541M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.52M	75.682M	75M7D1D	83.28M	75.682M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.35M	22.249M	22M2D1D	16.29M	16.702M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.61M	23.238M	23M2D1D	17.28M	17.811M
802.11ac VHT80_Nss1,(MCS0)_2TX	76.08M	75.922M	75M9D1D	75.24M	75.322M

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

Result

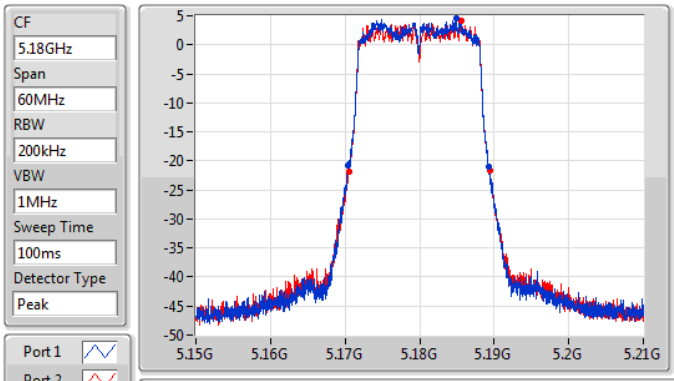
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	18.87M	16.342M	18.84M	16.402M
5200MHz	Pass	Inf	18.99M	16.342M	18.9M	16.402M
5240MHz	Pass	Inf	19.02M	16.372M	18.87M	16.402M
5745MHz	Pass	500k	16.29M	17.991M	16.29M	22.249M
5785MHz	Pass	500k	16.35M	20.45M	16.29M	21.199M
5825MHz	Pass	500k	16.32M	16.702M	16.29M	19.88M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.68M	17.541M	19.98M	17.571M
5200MHz	Pass	Inf	19.77M	17.541M	19.95M	17.601M
5240MHz	Pass	Inf	19.83M	17.541M	19.98M	17.601M
5745MHz	Pass	500k	17.61M	18.531M	17.28M	23.238M
5785MHz	Pass	500k	17.58M	20.39M	17.58M	21.829M
5825MHz	Pass	500k	17.58M	17.811M	17.55M	20.18M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.52M	75.682M	83.28M	75.682M
5775MHz	Pass	500k	75.24M	75.322M	76.08M	75.922M

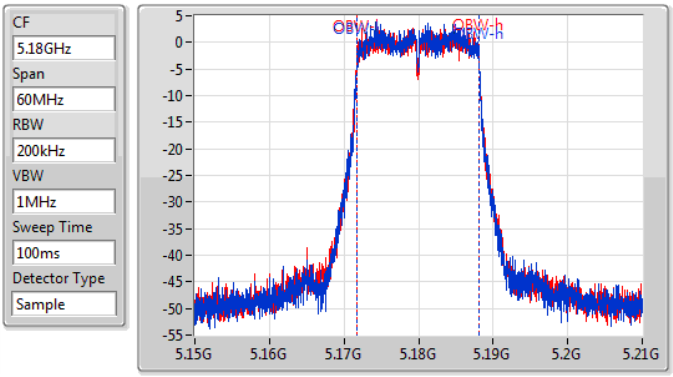
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

07/05/2019



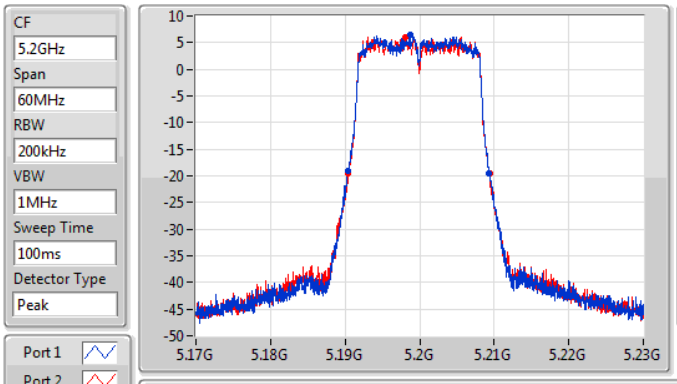


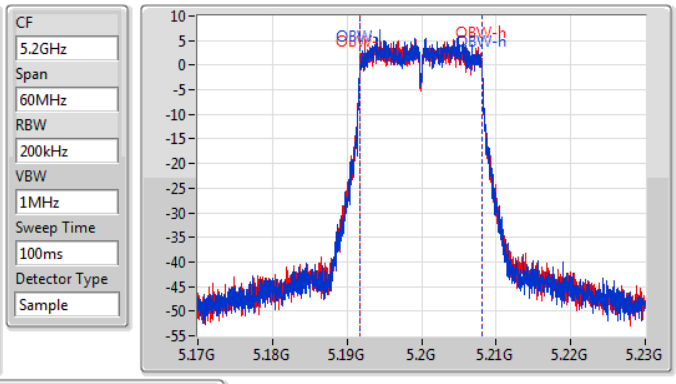
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.87M	5.1704G	5.18927G	16.342M	5.171754G	5.188096G	Inf	1
18.84M	5.17052G	5.18936G	16.402M	5.171694G	5.188096G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

07/05/2019



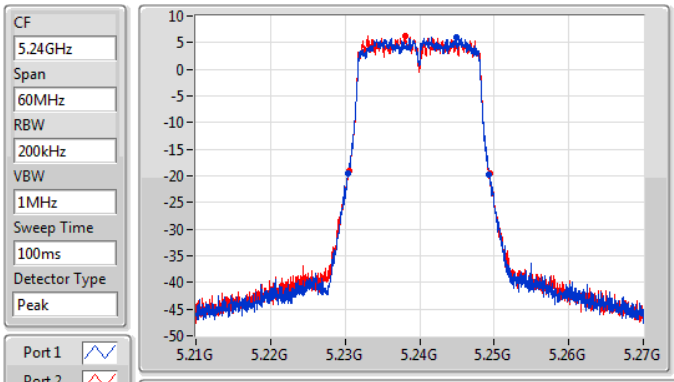


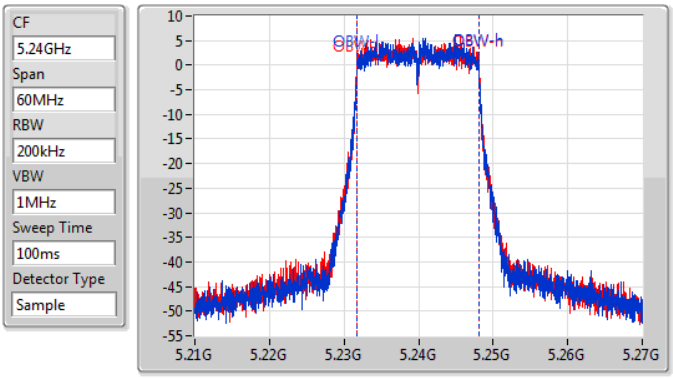
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.99M	5.19034G	5.20933G	16.342M	5.191754G	5.208096G	Inf	1
18.9M	5.19046G	5.20936G	16.402M	5.191694G	5.208096G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

07/05/2019



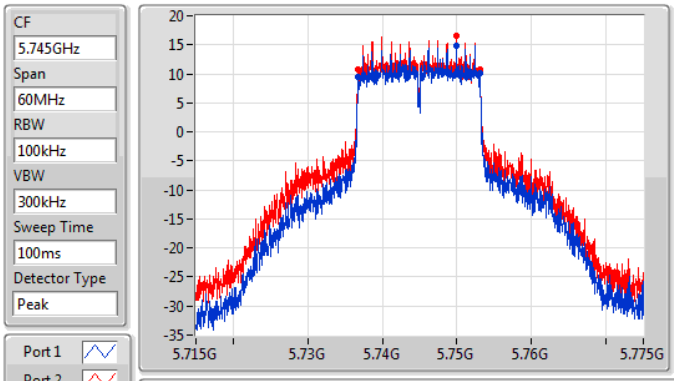


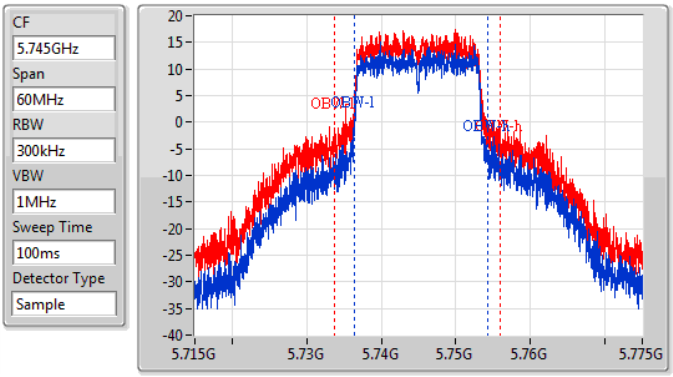
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.02M	5.23031G	5.24933G	16.372M	5.231724G	5.248096G	Inf	1
18.87M	5.23049G	5.24936G	16.402M	5.231694G	5.248096G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

26/06/2019



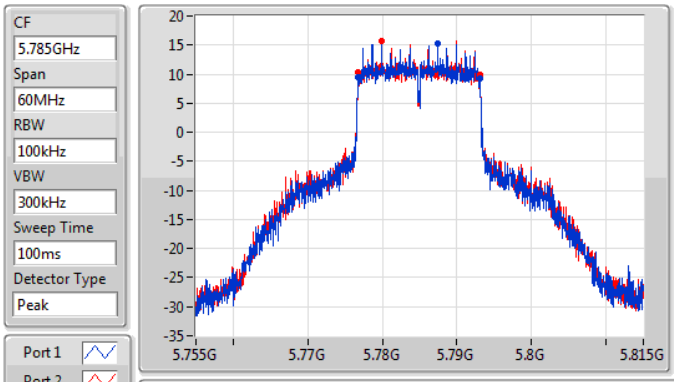


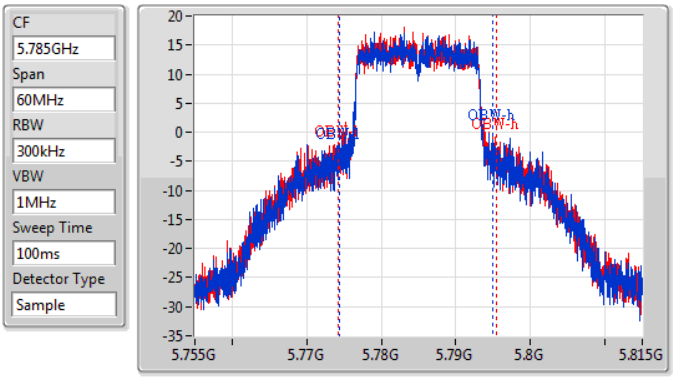
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.73678G	5.75307G	17.991M	5.736364G	5.754355G	500k	1
16.29M	5.73678G	5.75307G	22.249M	5.733756G	5.756004G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

26/06/2019



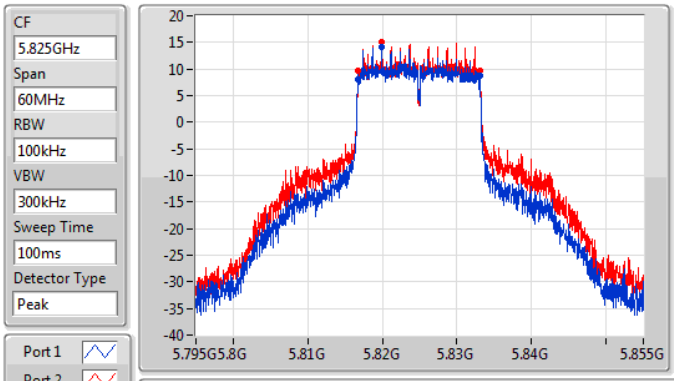


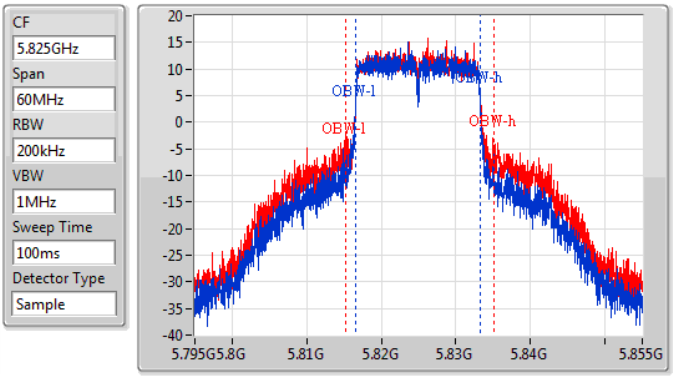
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.77675G	5.7931G	20.45M	5.774445G	5.794895G	500k	1
16.29M	5.77678G	5.79307G	21.199M	5.774235G	5.795435G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

26/06/2019



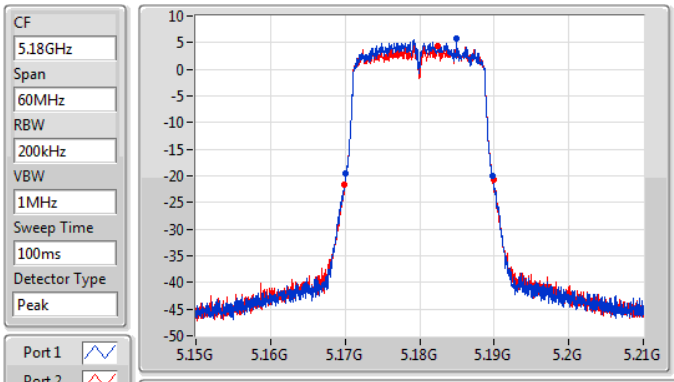


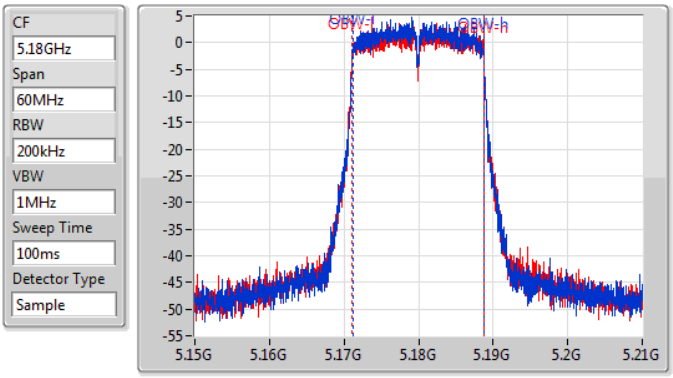
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.81675G	5.83307G	16.702M	5.816544G	5.833246G	500k	1
16.29M	5.81678G	5.83307G	19.88M	5.815165G	5.835045G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

29/04/2019



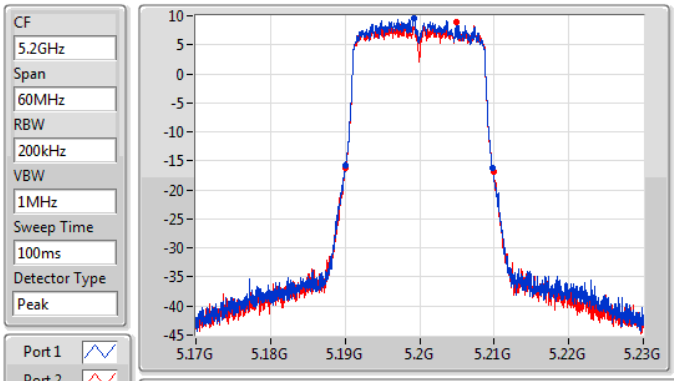


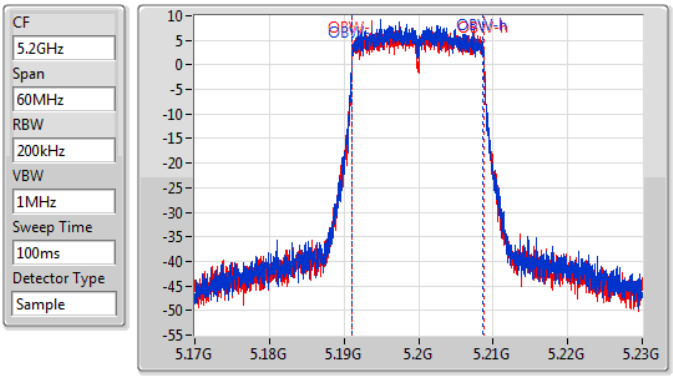
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.68M	5.17004G	5.18972G	17.541M	5.171154G	5.188696G	Inf	1
19.98M	5.16992G	5.1899G	17.571M	5.171124G	5.188696G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

29/04/2019





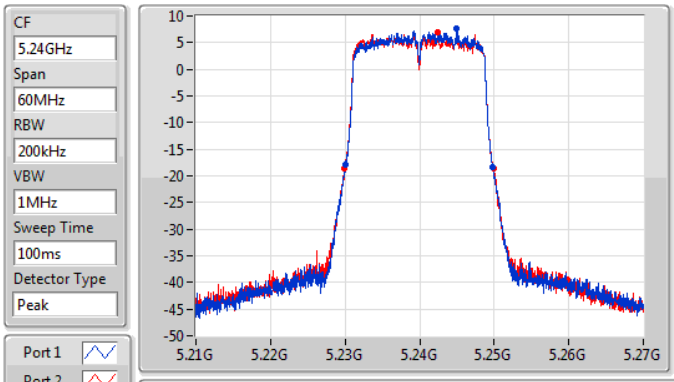
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.77M	5.19001G	5.20978G	17.541M	5.191124G	5.208666G	Inf	1
19.95M	5.18998G	5.20993G	17.601M	5.191124G	5.208726G	Inf	2

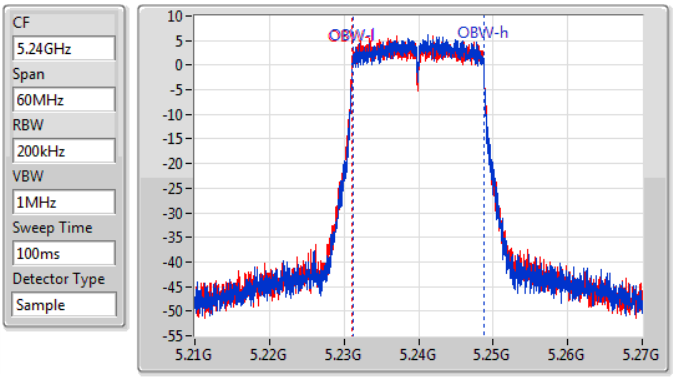
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

29/04/2019





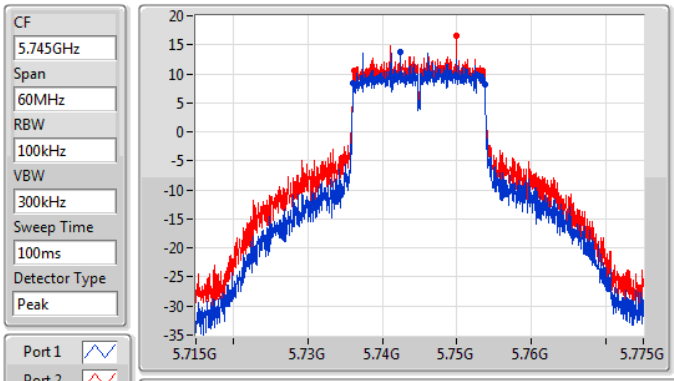
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.83M	5.23001G	5.24984G	17.541M	5.231154G	5.248696G	Inf	1
19.98M	5.22992G	5.2499G	17.601M	5.231094G	5.248696G	Inf	2

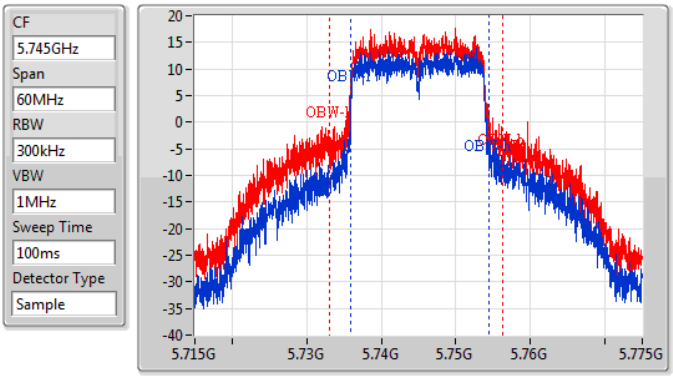
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

26/06/2019





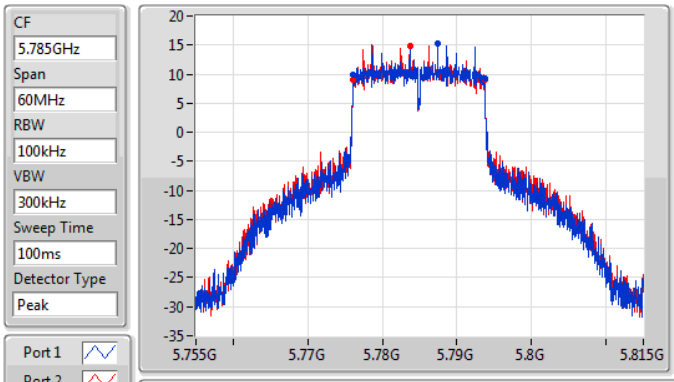
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.61M	5.73612G	5.75373G	18.531M	5.735915G	5.754445G	500k	1
17.28M	5.73615G	5.75343G	23.238M	5.733066G	5.756304G	500k	2

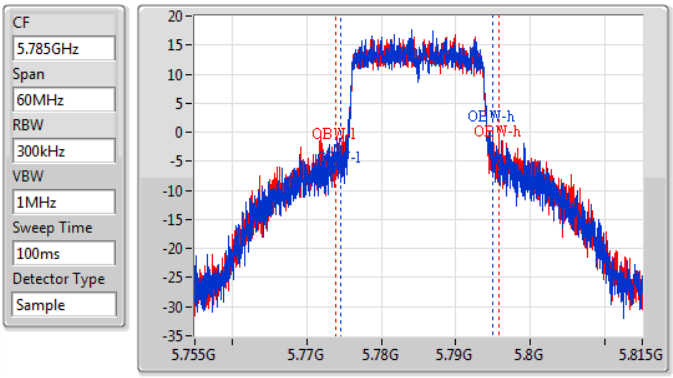
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

26/06/2019





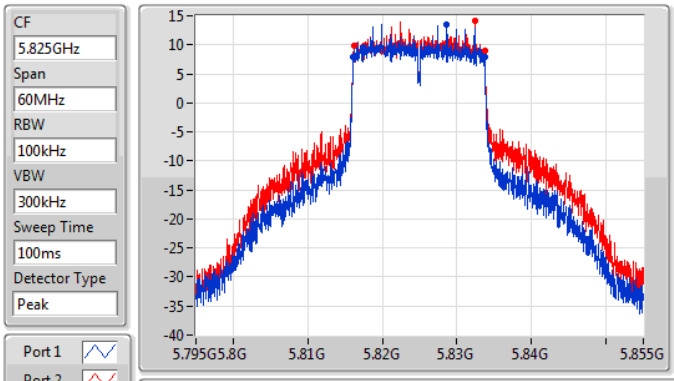
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.77612G	5.7937G	20.39M	5.774535G	5.794925G	500k	1
17.58M	5.77612G	5.7937G	21.829M	5.773936G	5.795765G	500k	2

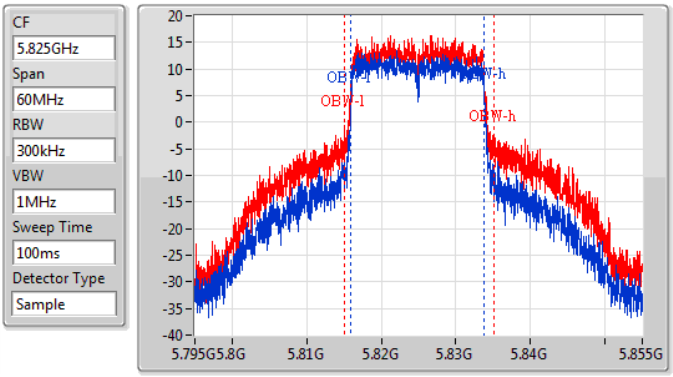
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5825MHz

26/06/2019





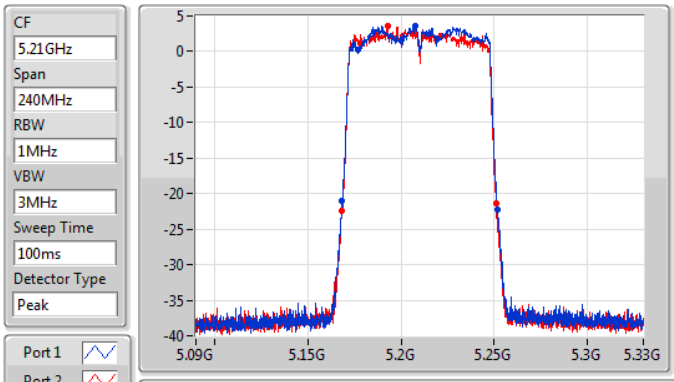
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.81612G	5.8337G	17.811M	5.815975G	5.833786G	500k	1
17.55M	5.81615G	5.8337G	20.18M	5.815015G	5.835195G	500k	2

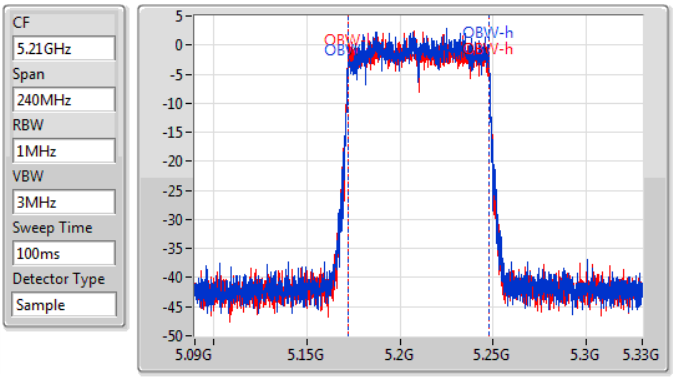
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

29/04/2019





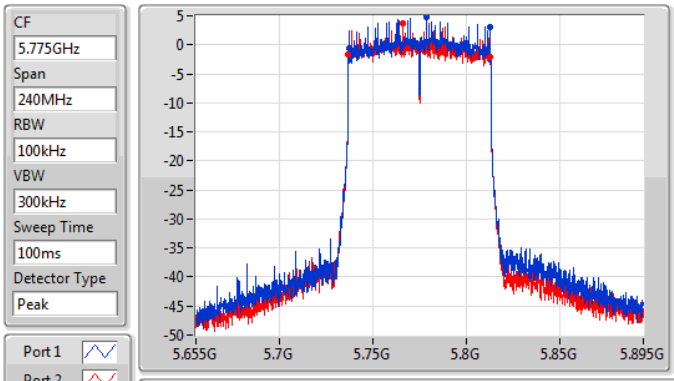
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.52M	5.16836G	5.25188G	75.682M	5.172099G	5.247781G	Inf	1
83.28M	5.168G	5.25128G	75.682M	5.171979G	5.247661G	Inf	2

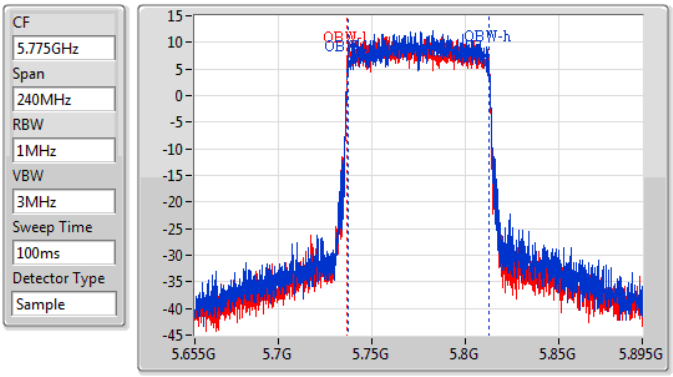
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

26/06/2019





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.24M	5.7372G	5.81244G	75.322M	5.737219G	5.812541G	500k	1
76.08M	5.73672G	5.8128G	75.922M	5.736859G	5.812781G	500k	2

For Test Mode 3:

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	19.05M	16.402M	16M4D1D	18.78M	16.342M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.13M	17.601M	17M6D1D	19.59M	17.541M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.28M	75.682M	75M7D1D	83.16M	75.682M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.35M	16.402M	16M4D1D	16.32M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.61M	17.601M	17M6D1D	17.55M	17.571M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.72M	75.802M	75M8D1D	75.24M	75.562M

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

Result

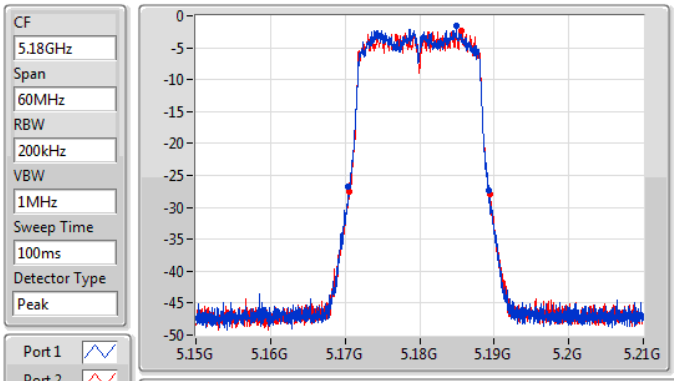
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	18.78M	16.342M	18.9M	16.372M
5200MHz	Pass	Inf	18.9M	16.342M	18.87M	16.402M
5240MHz	Pass	Inf	19.05M	16.372M	18.9M	16.372M
5745MHz	Pass	500k	16.35M	16.402M	16.32M	16.402M
5785MHz	Pass	500k	16.35M	16.372M	16.35M	16.402M
5825MHz	Pass	500k	16.32M	16.402M	16.35M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.59M	17.541M	19.77M	17.571M
5200MHz	Pass	Inf	19.74M	17.541M	20.13M	17.601M
5240MHz	Pass	Inf	19.8M	17.541M	19.98M	17.601M
5745MHz	Pass	500k	17.61M	17.571M	17.55M	17.601M
5785MHz	Pass	500k	17.58M	17.601M	17.55M	17.571M
5825MHz	Pass	500k	17.58M	17.601M	17.55M	17.601M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.28M	75.682M	83.16M	75.682M
5775MHz	Pass	500k	75.24M	75.562M	75.72M	75.802M

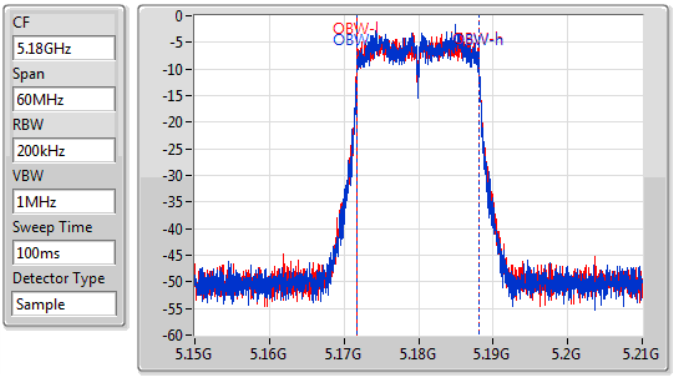
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

07/05/2019



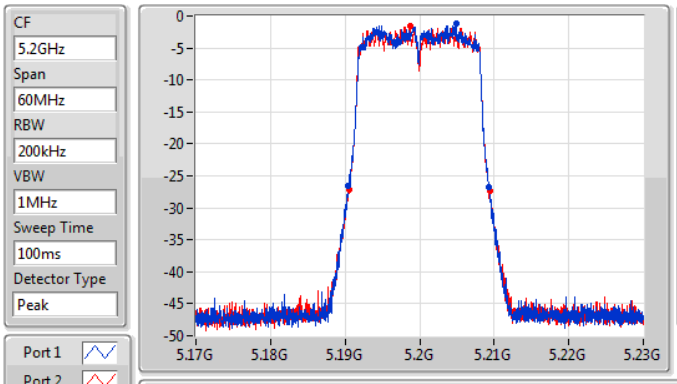


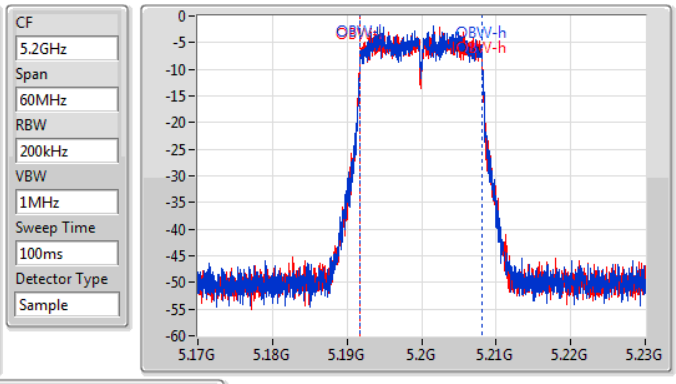
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.78M	5.17046G	5.18924G	16.342M	5.171754G	5.188096G	Inf	1
18.9M	5.17049G	5.18939G	16.372M	5.171724G	5.188096G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

07/05/2019



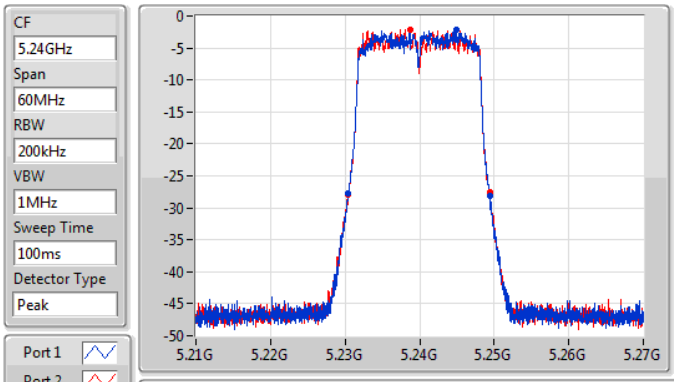


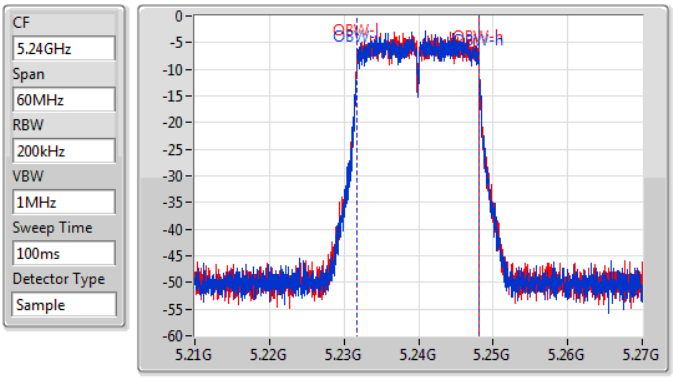
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	5.19037G	5.20927G	16.342M	5.191754G	5.208096G	Inf	1
18.87M	5.19049G	5.20936G	16.402M	5.191724G	5.208126G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

07/05/2019



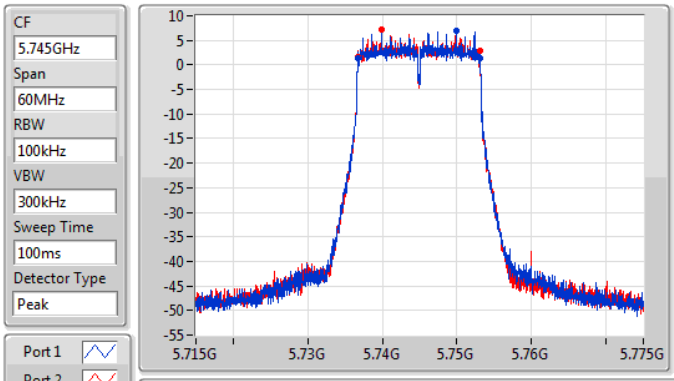


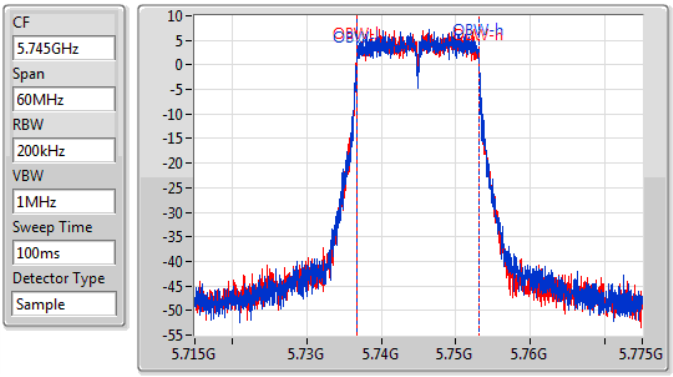
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.23034G	5.24939G	16.372M	5.231724G	5.248096G	Inf	1
18.9M	5.23046G	5.24936G	16.372M	5.231724G	5.248096G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

27/06/2019



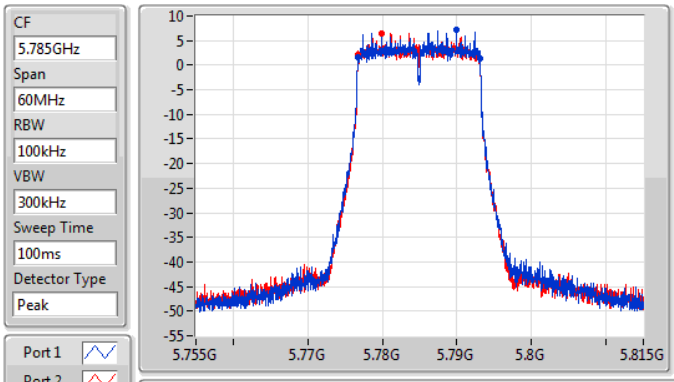


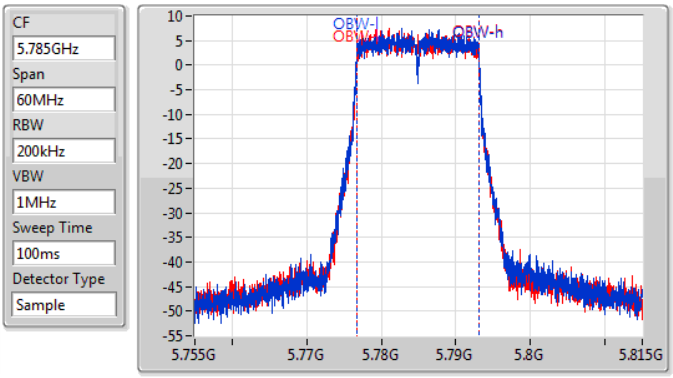
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73672G	5.75307G	16.402M	5.736664G	5.753066G	500k	1
16.32M	5.73672G	5.75304G	16.402M	5.736664G	5.753066G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

27/06/2019



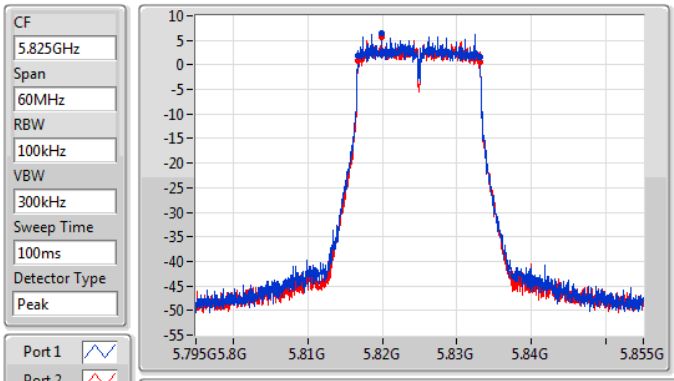


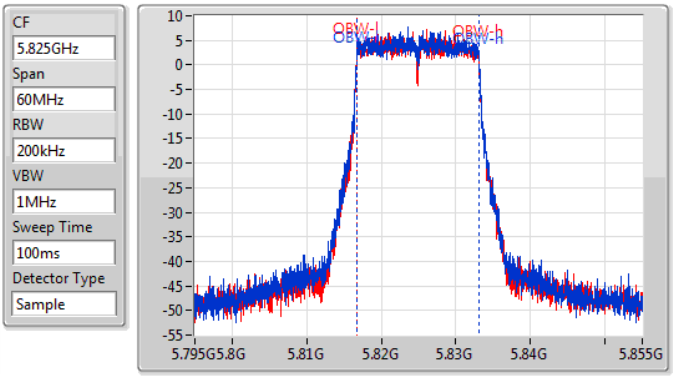
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.77672G	5.79307G	16.372M	5.776694G	5.793066G	500k	1
16.35M	5.77672G	5.79307G	16.402M	5.776664G	5.793066G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

27/06/2019



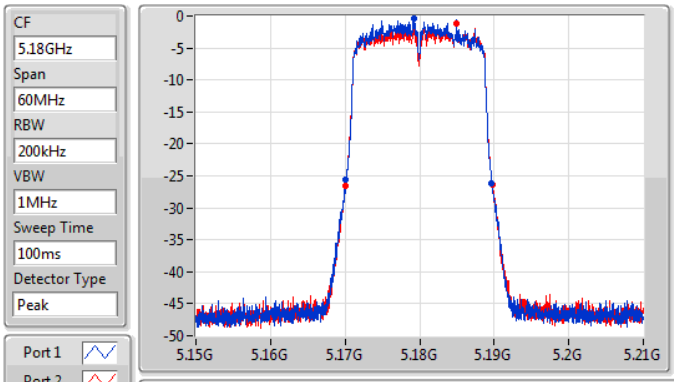


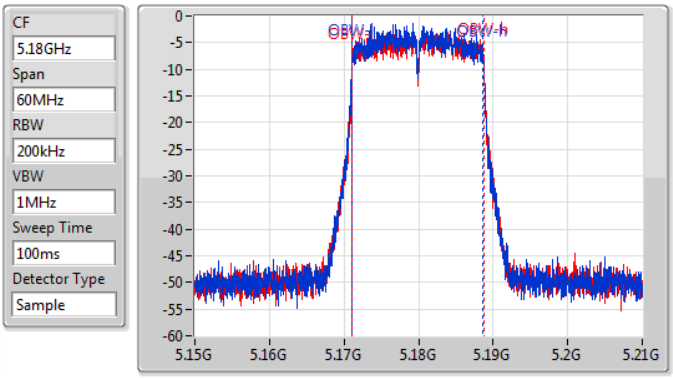
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.81672G	5.83304G	16.402M	5.816664G	5.833066G	500k	1
16.35M	5.81672G	5.83307G	16.372M	5.816694G	5.833066G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

07/05/2019



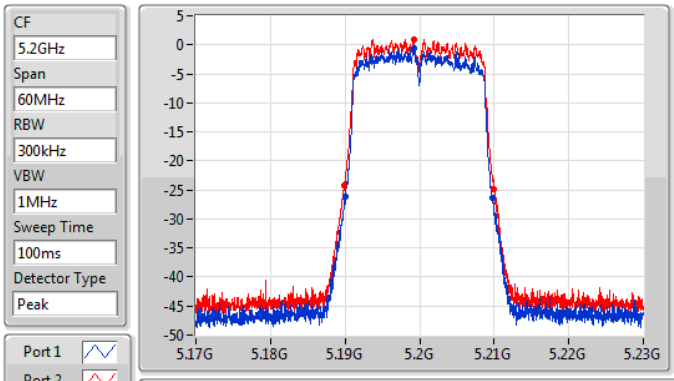


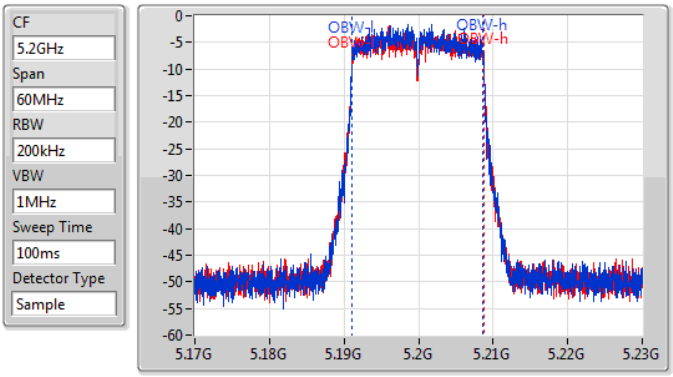
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.59M	5.1701G	5.18969G	17.541M	5.171124G	5.188666G	Inf	1
19.77M	5.17004G	5.18981G	17.571M	5.171124G	5.188696G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

07/05/2019



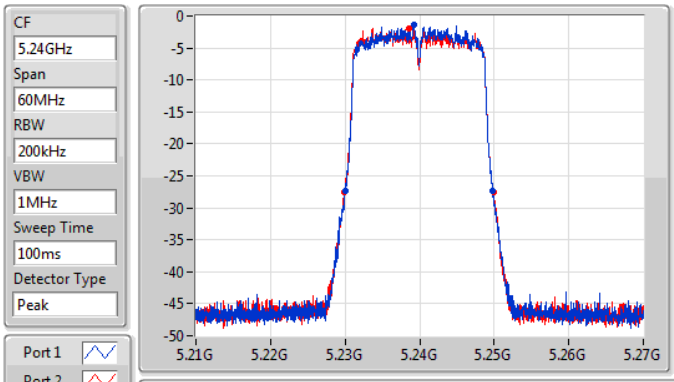


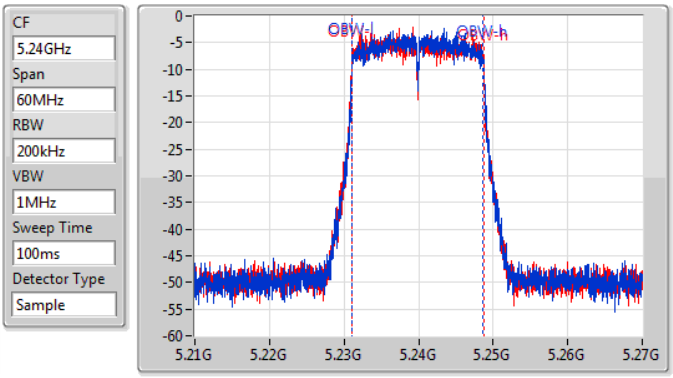
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.74M	5.19004G	5.20978G	17.541M	5.191124G	5.208666G	Inf	1
20.13M	5.18989G	5.21002G	17.601M	5.191094G	5.208696G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

07/05/2019



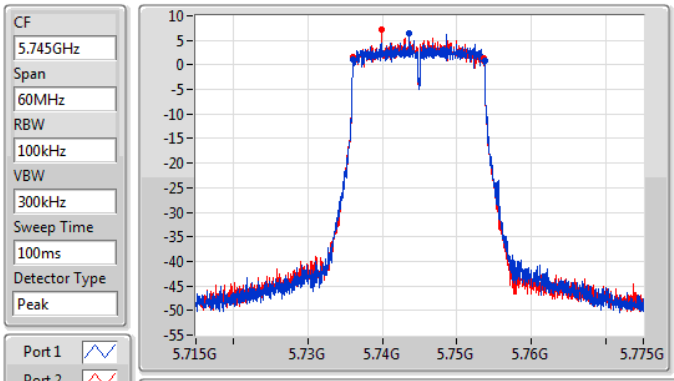


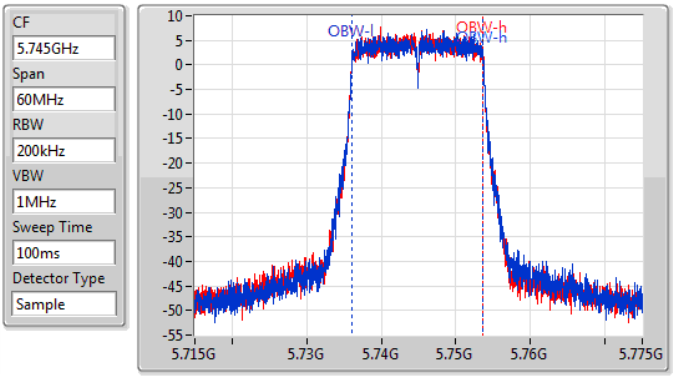
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.8M	5.23001G	5.24981G	17.541M	5.231124G	5.248666G	Inf	1
19.98M	5.22992G	5.2499G	17.601M	5.231094G	5.248696G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

27/06/2019



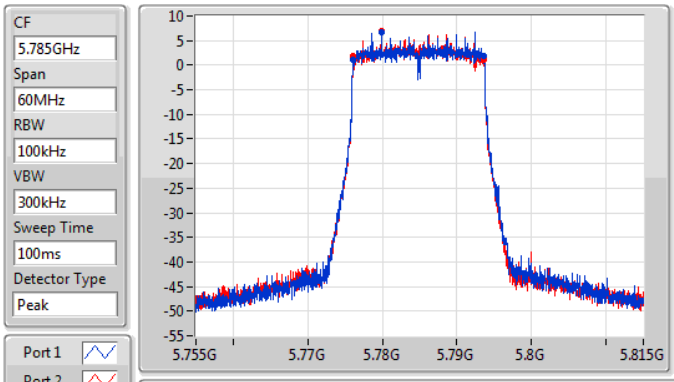


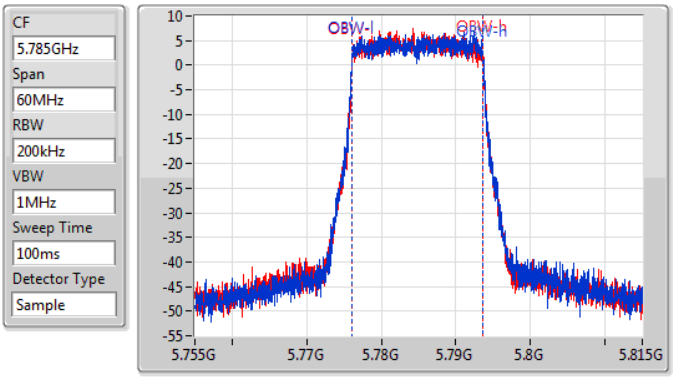
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.61M	5.73609G	5.7537G	17.571M	5.736094G	5.753666G	500k	1
17.55M	5.73612G	5.75367G	17.601M	5.736064G	5.753666G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

27/06/2019



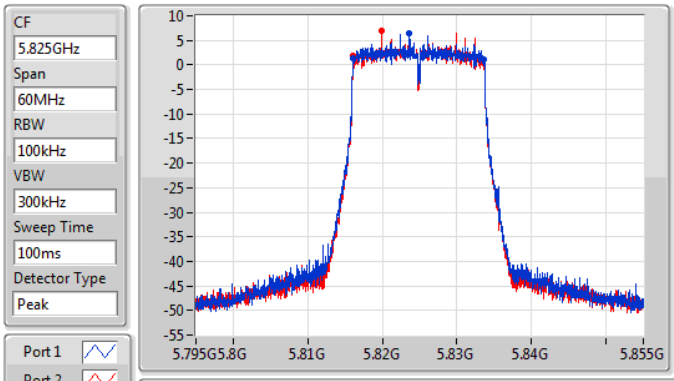


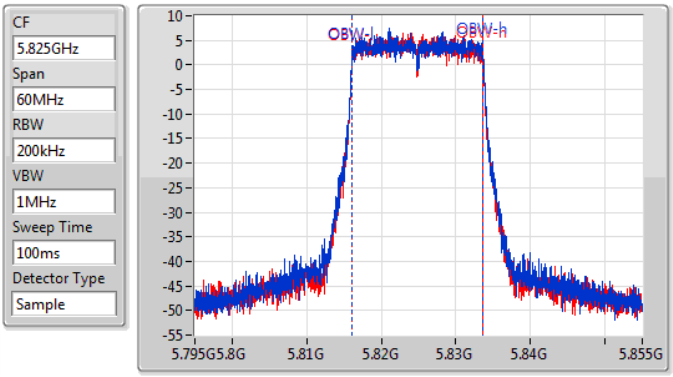
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.77609G	5.79367G	17.601M	5.776064G	5.793666G	500k	1
17.55M	5.77612G	5.79367G	17.571M	5.776094G	5.793666G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

27/06/2019





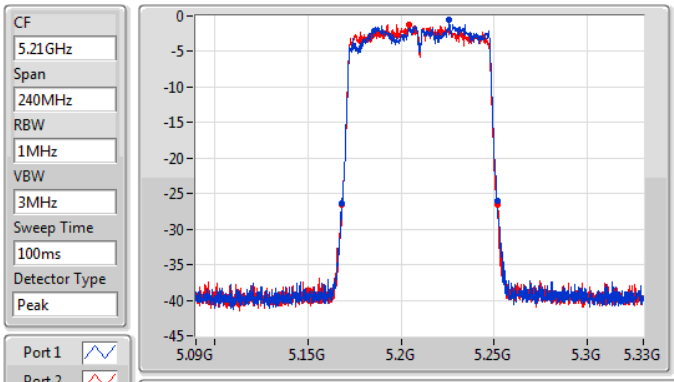
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.81609G	5.83367G	17.601M	5.816064G	5.833666G	500k	1
17.55M	5.81612G	5.83367G	17.601M	5.816064G	5.833666G	500k	2

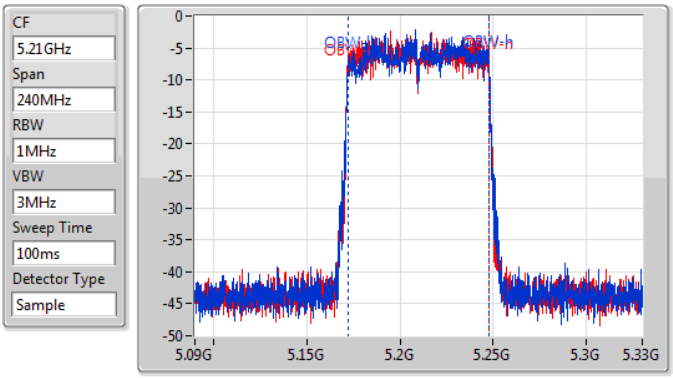
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

07/05/2019





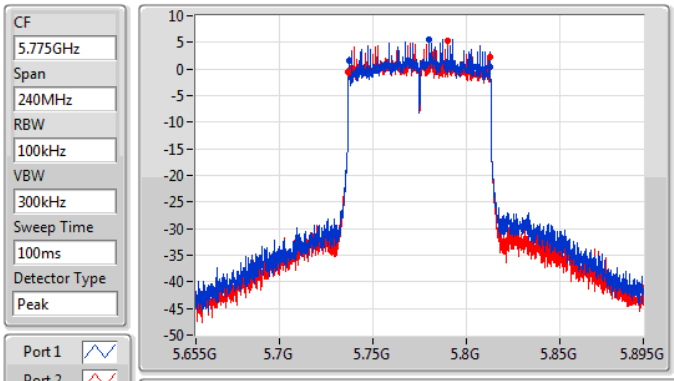
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.28M	5.16836G	5.25164G	75.682M	5.172099G	5.247781G	Inf	1
83.16M	5.16836G	5.25152G	75.682M	5.171979G	5.247661G	Inf	2

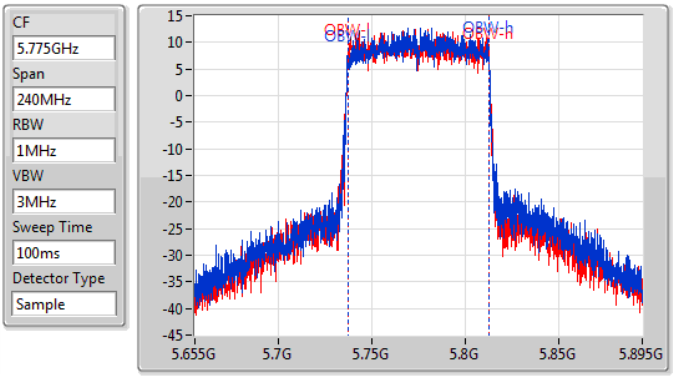
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

20/06/2019





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.24M	5.73732G	5.81256G	75.562M	5.737099G	5.812661G	500k	1
75.72M	5.73672G	5.81244G	75.802M	5.736979G	5.812781G	500k	2

For Test Mode 4:

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	40.8M	17.88M	17M9D1D	18.9M	16.342M
802.11ac VHT20_Nss1,(MCS0)_2TX	43.68M	18.81M	18M8D1D	19.71M	17.511M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.52M	75.922M	75M9D1D	83.16M	75.682M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.41M	20.96M	21M0D1D	16.29M	16.852M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	20.51M	20M5D1D	17.52M	17.841M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.72M	75.802M	75M8D1D	75.24M	75.682M

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

Result

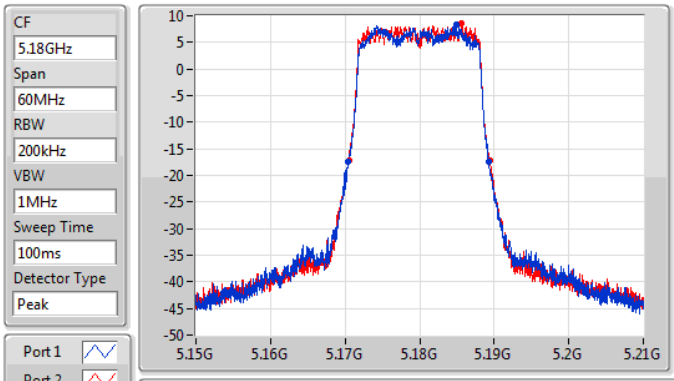
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	18.9M	16.342M	18.9M	16.402M
5200MHz	Pass	Inf	25.29M	16.432M	20.91M	16.462M
5240MHz	Pass	Inf	40.8M	17.88M	40.23M	17.85M
5745MHz	Pass	500k	16.32M	20.96M	16.32M	18.771M
5785MHz	Pass	500k	16.41M	19.46M	16.32M	19.82M
5825MHz	Pass	500k	16.29M	17.691M	16.29M	16.852M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.71M	17.511M	19.95M	17.601M
5200MHz	Pass	Inf	19.95M	17.571M	20.67M	17.601M
5240MHz	Pass	Inf	43.44M	18.66M	43.68M	18.81M
5745MHz	Pass	500k	17.55M	20.51M	17.55M	18.471M
5785MHz	Pass	500k	17.52M	19.7M	17.55M	19.28M
5825MHz	Pass	500k	17.58M	18.081M	17.55M	17.841M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.52M	75.922M	83.16M	75.682M
5775MHz	Pass	500k	75.24M	75.682M	75.72M	75.802M

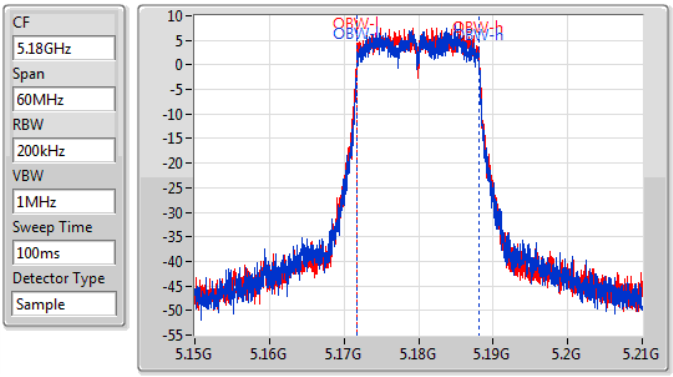
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

19/06/2019



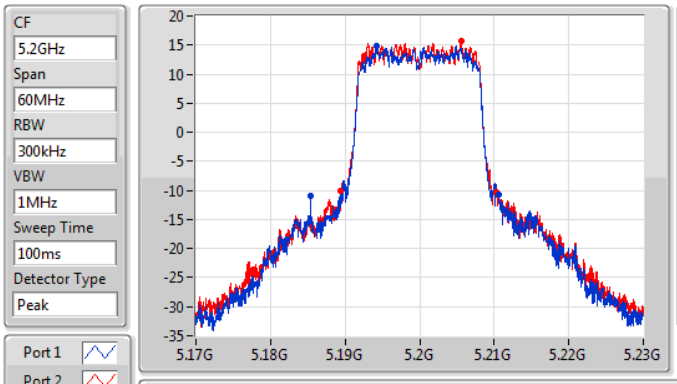


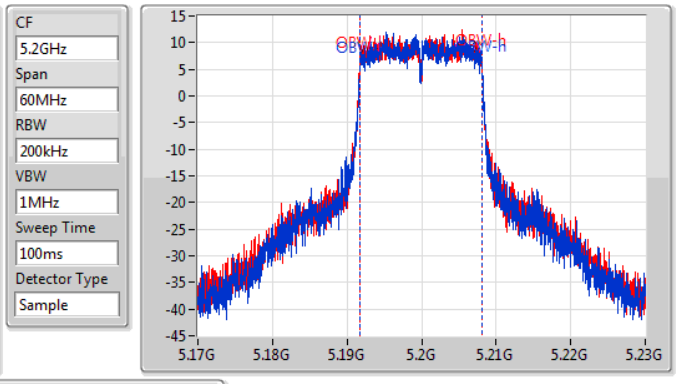
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	5.17034G	5.18924G	16.342M	5.171754G	5.188096G	Inf	1
18.9M	5.17049G	5.18939G	16.402M	5.171724G	5.188126G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

19/06/2019



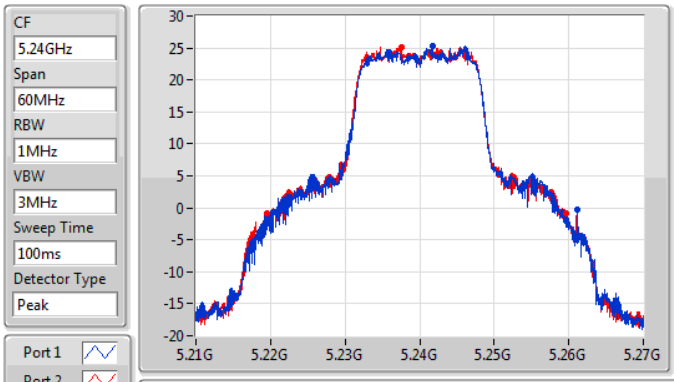


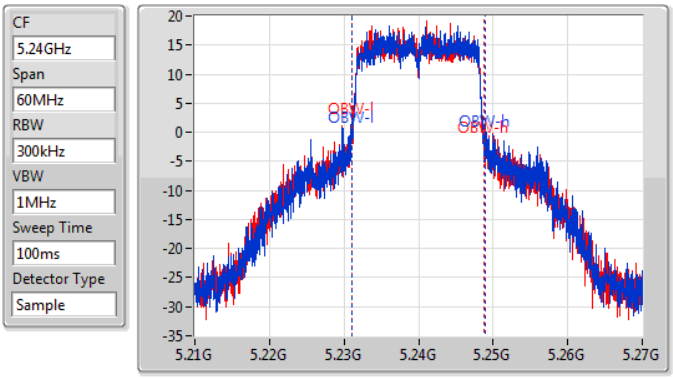
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.29M	5.18533G	5.21062G	16.432M	5.191694G	5.208126G	Inf	1
20.91M	5.18941G	5.21032G	16.462M	5.191664G	5.208126G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

28/06/2019



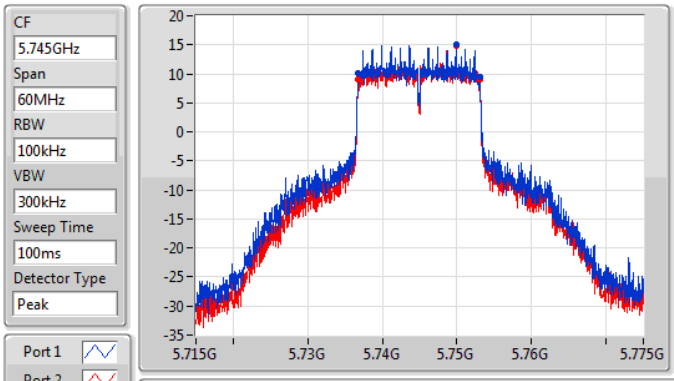


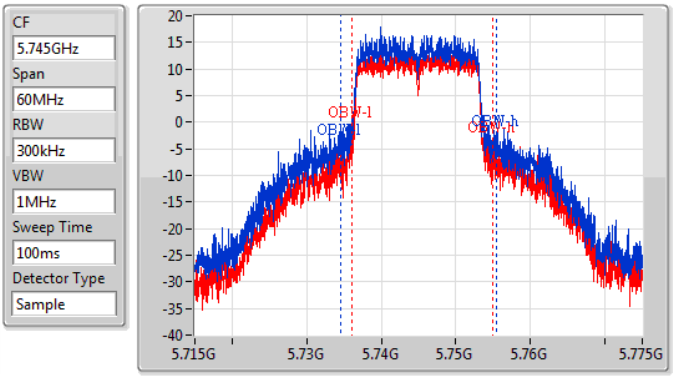
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.22041G	5.26121G	17.88M	5.23106G	5.24894G	Inf	1
40.23M	5.21945G	5.25968G	17.85M	5.231G	5.24885G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

24/06/2019





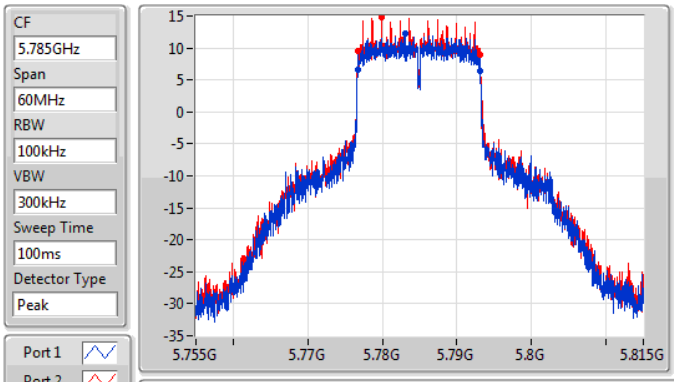
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.73675G	5.75307G	20.96M	5.734535G	5.755495G	500k	1
16.32M	5.73675G	5.75307G	18.771M	5.736094G	5.754865G	500k	2

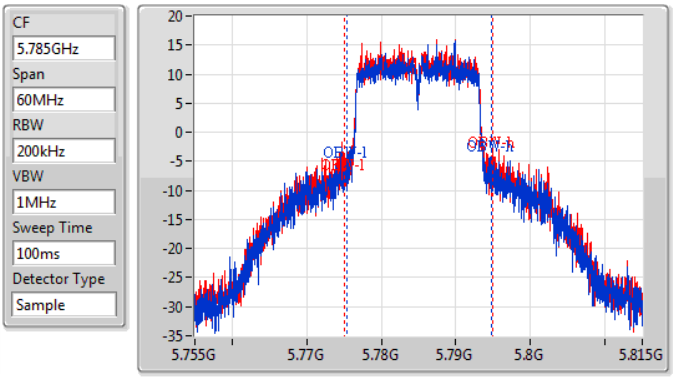
802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

24/06/2019





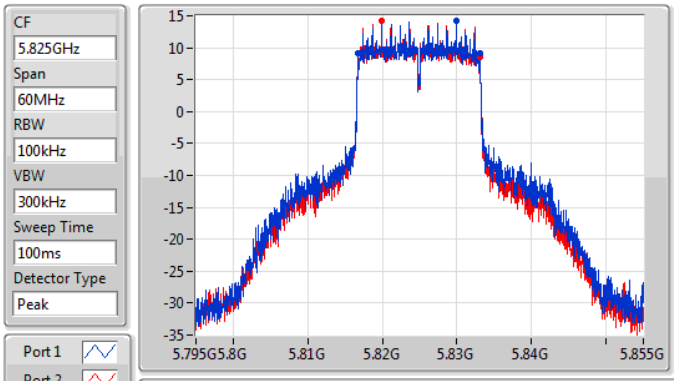
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.41M	5.77669G	5.7931G	19.46M	5.775315G	5.794775G	500k	1
16.32M	5.77675G	5.79307G	19.82M	5.775045G	5.794865G	500k	2

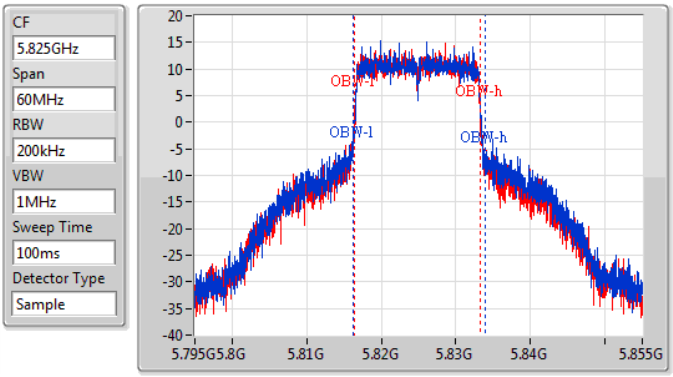
802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

24/06/2019



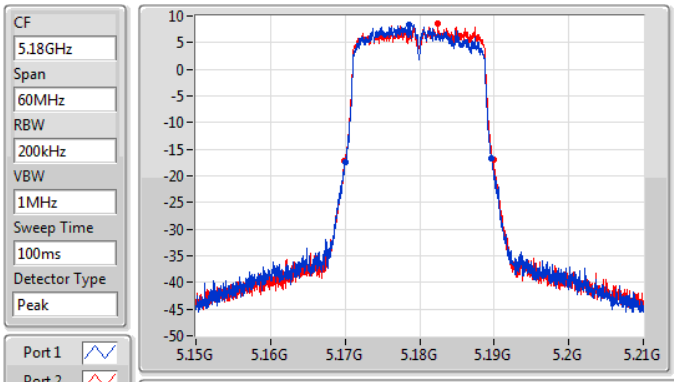


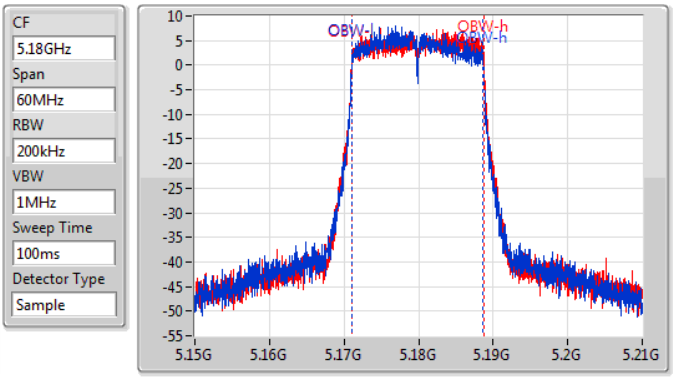
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81675G	5.83304G	17.691M	5.816184G	5.833876G	500k	1
16.29M	5.81675G	5.83304G	16.852M	5.816424G	5.833276G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

19/06/2019



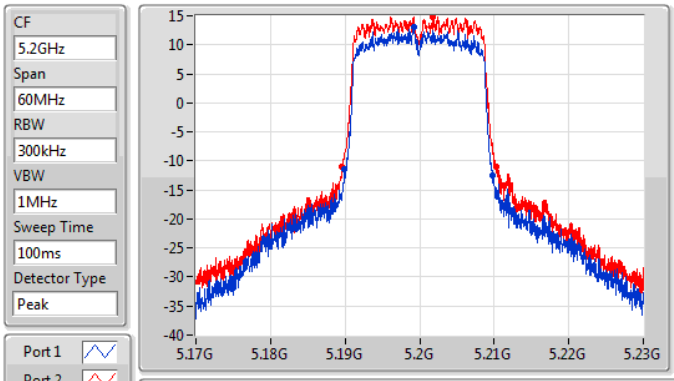


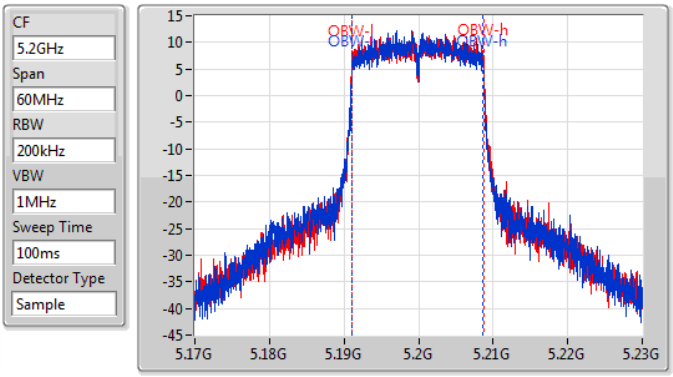
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.71M	5.16998G	5.18969G	17.511M	5.171124G	5.188636G	Inf	1
19.95M	5.16995G	5.1899G	17.601M	5.171094G	5.188696G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

19/06/2019





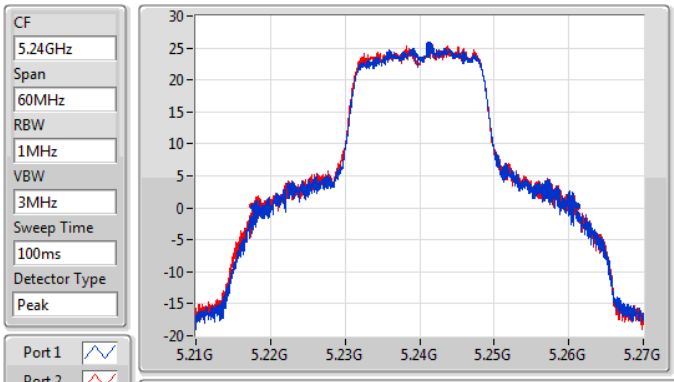
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.95M	5.18989G	5.20984G	17.571M	5.191094G	5.208666G	Inf	1
20.67M	5.18962G	5.21029G	17.601M	5.191094G	5.208696G	Inf	2

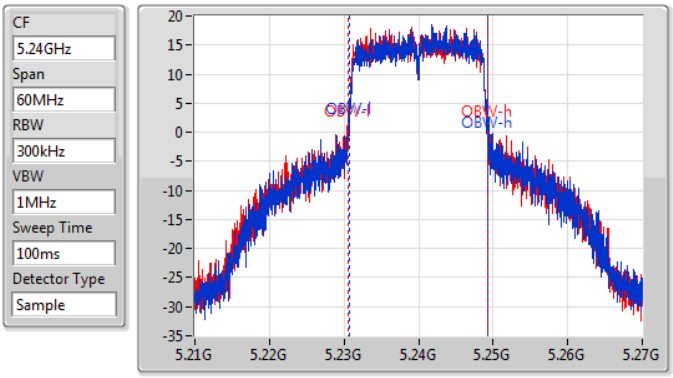
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

28/06/2019





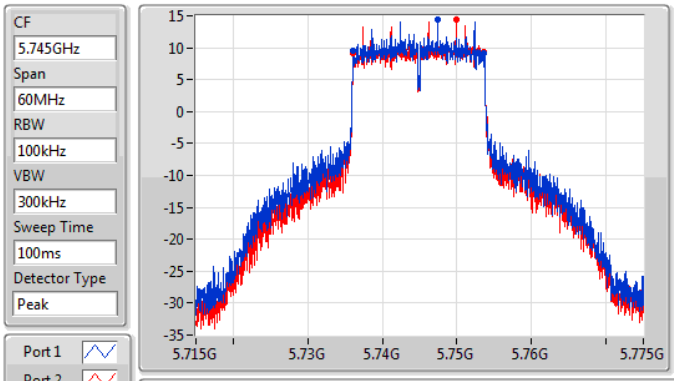
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.44M	5.21774G	5.26118G	18.66M	5.23067G	5.24933G	Inf	1
43.68M	5.21753G	5.26121G	18.81M	5.23049G	5.2493G	Inf	2

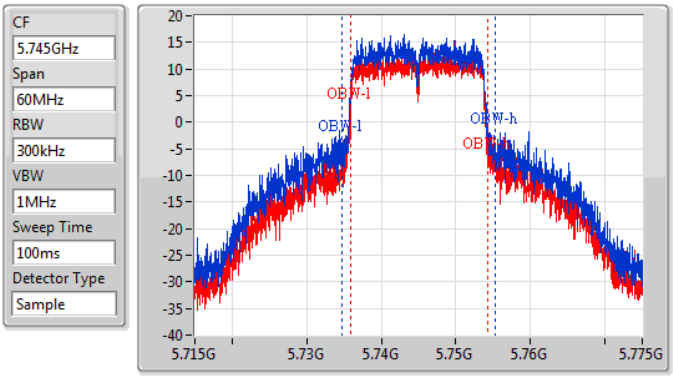
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

24/06/2019





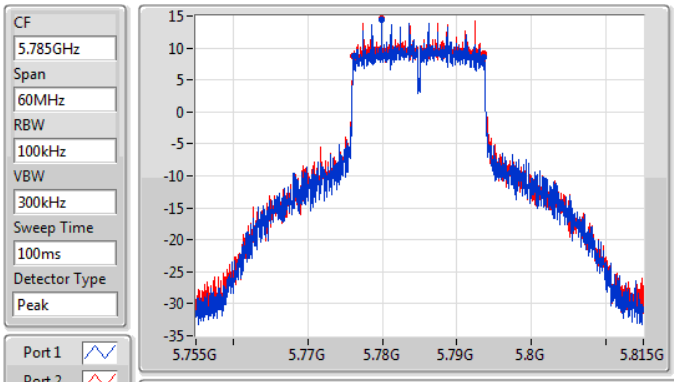
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.73612G	5.75367G	20.51M	5.734745G	5.755255G	500k	1
17.55M	5.73612G	5.75367G	18.471M	5.735855G	5.754325G	500k	2

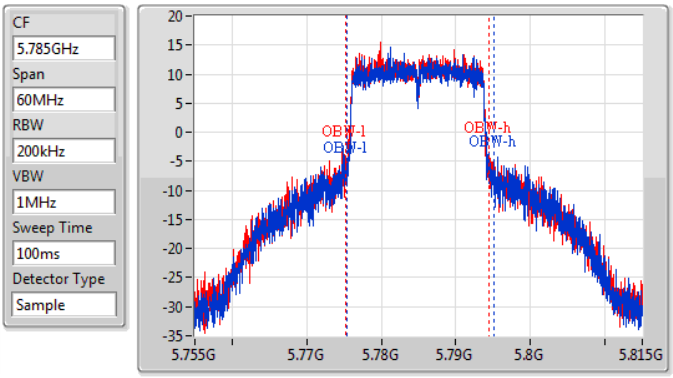
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

24/06/2019





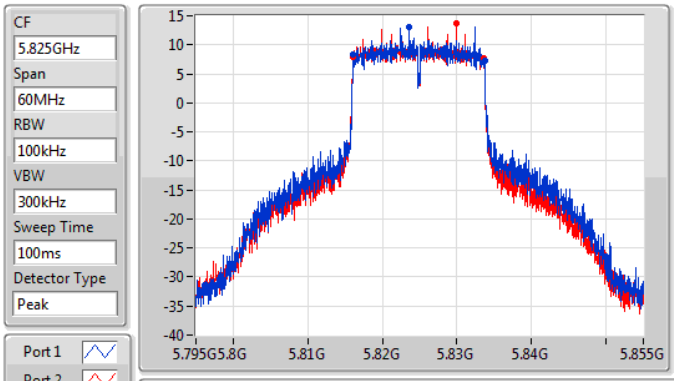
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.77615G	5.79367G	19.7M	5.775375G	5.795075G	500k	1
17.55M	5.77612G	5.79367G	19.28M	5.775225G	5.794505G	500k	2

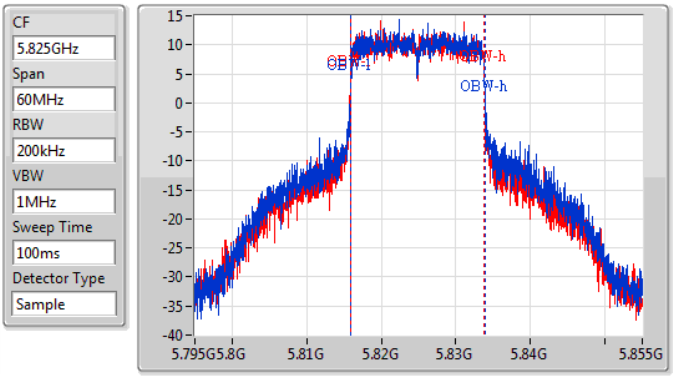
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5825MHz

24/06/2019





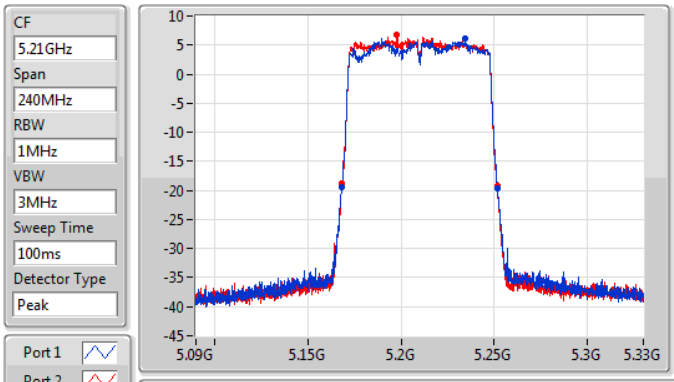
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.81612G	5.8337G	18.081M	5.815885G	5.833966G	500k	1
17.55M	5.81612G	5.83367G	17.841M	5.815945G	5.833786G	500k	2

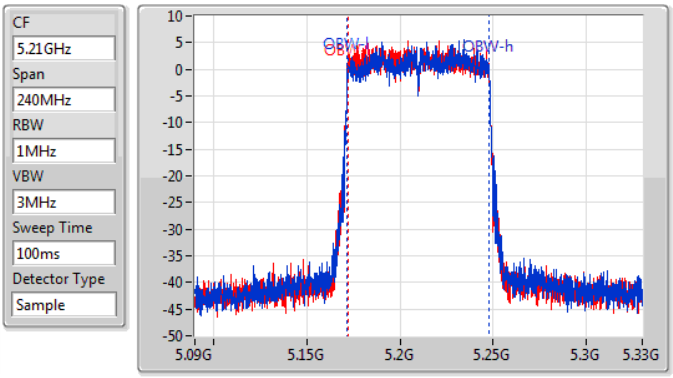
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

19/06/2019





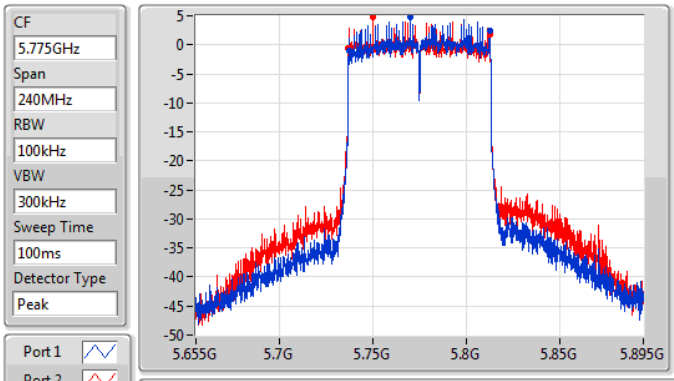
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.52M	5.16824G	5.25176G	75.922M	5.171859G	5.247781G	Inf	1
83.16M	5.16836G	5.25152G	75.682M	5.171979G	5.247661G	Inf	2

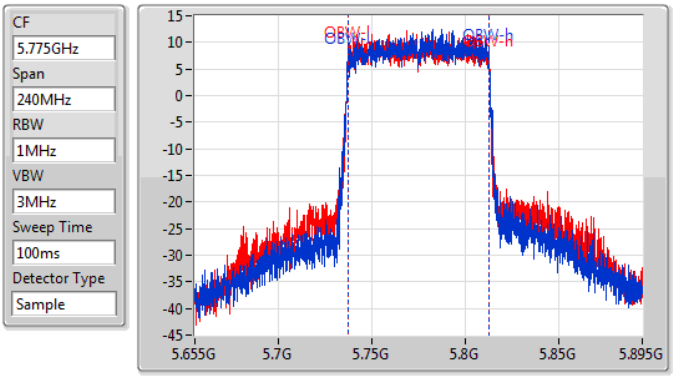
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

19/06/2019





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.24M	5.7372G	5.81244G	75.682M	5.737099G	5.812781G	500k	1
75.72M	5.73672G	5.81244G	75.802M	5.736979G	5.812781G	500k	2

For Test Mode 5:
For Band 1
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	16.402M	16M4D1D	18.69M	16.342M
802.11ac VHT20_Nss1,(MCS0)_2TX	19.92M	17.631M	17M6D1D	19.59M	17.511M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.76M	76.042M	76M0D1D	83.52M	75.922M

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

Result

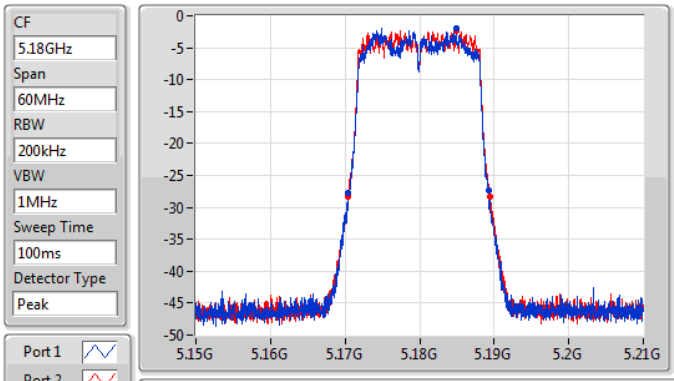
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	18.81M	16.342M	19.08M	16.402M
5200MHz	Pass	Inf	18.69M	16.342M	18.99M	16.402M
5240MHz	Pass	Inf	19.23M	16.372M	18.99M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.59M	17.511M	19.92M	17.631M
5200MHz	Pass	Inf	19.65M	17.571M	19.59M	17.511M
5240MHz	Pass	Inf	19.86M	17.571M	19.89M	17.601M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.76M	76.042M	83.52M	75.922M

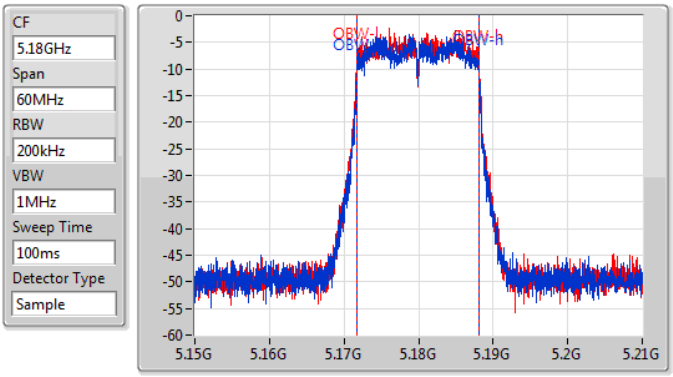
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

19/06/2019



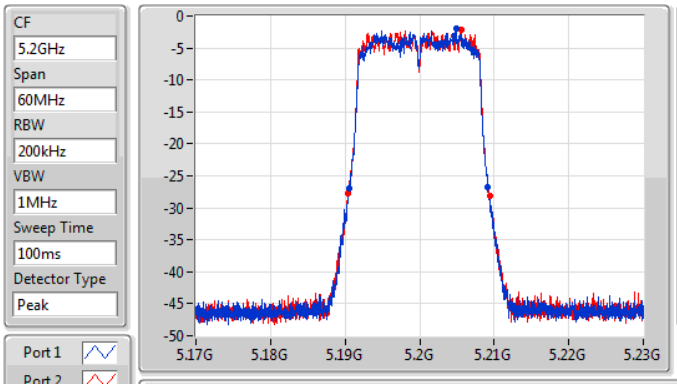


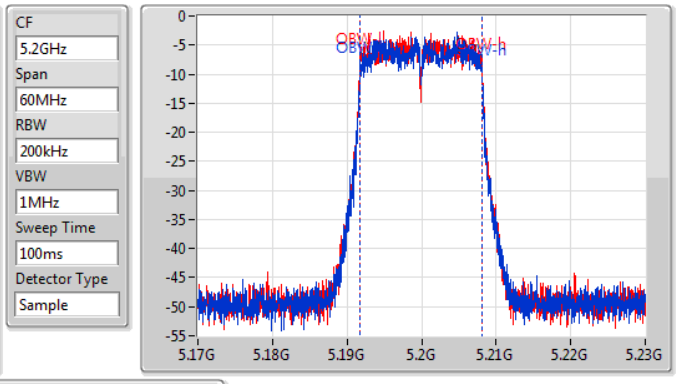
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.81M	5.1704G	5.18921G	16.342M	5.171754G	5.188096G	Inf	1
19.08M	5.17037G	5.18945G	16.402M	5.171694G	5.188096G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

19/06/2019





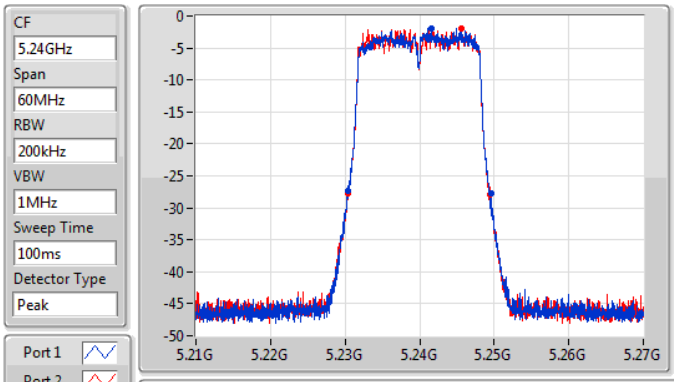
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.69M	5.19049G	5.20918G	16.342M	5.191754G	5.208096G	Inf	1
18.99M	5.19043G	5.20942G	16.402M	5.191694G	5.208096G	Inf	2

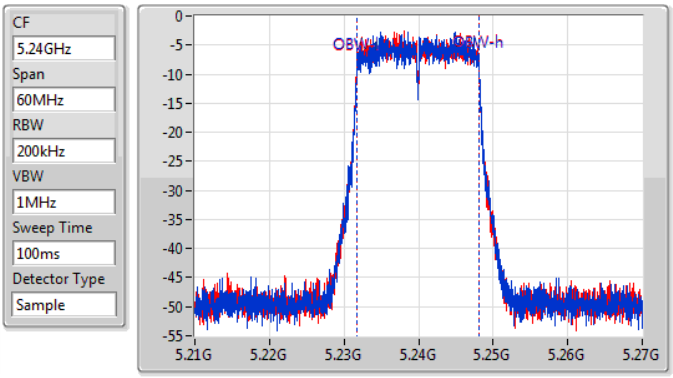
802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

19/06/2019





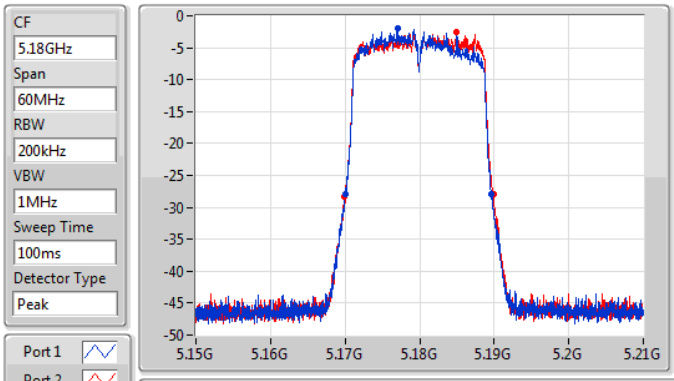
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.23M	5.23031G	5.24954G	16.372M	5.231724G	5.248096G	Inf	1
18.99M	5.23043G	5.24942G	16.402M	5.231694G	5.248096G	Inf	2

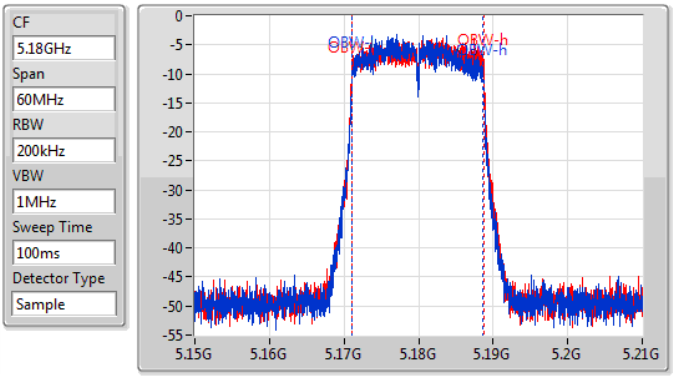
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

19/06/2019





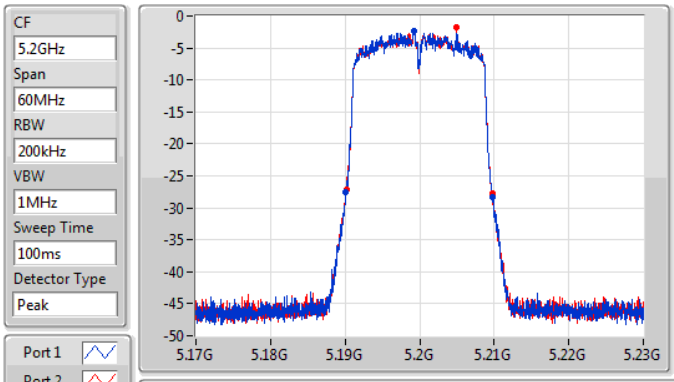
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.59M	5.17004G	5.18963G	17.511M	5.171124G	5.188636G	Inf	1
19.92M	5.16995G	5.18987G	17.631M	5.171094G	5.188726G	Inf	2

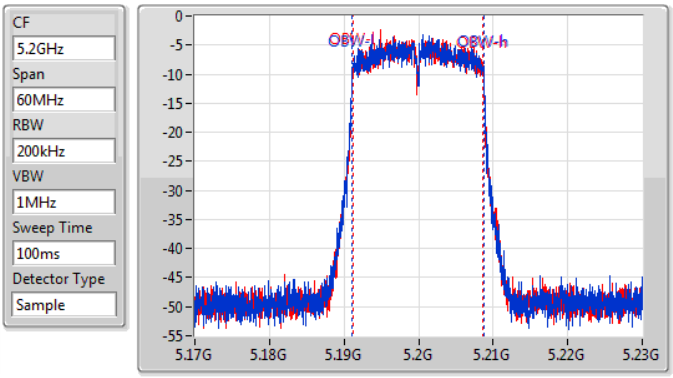
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5200MHz

19/06/2019





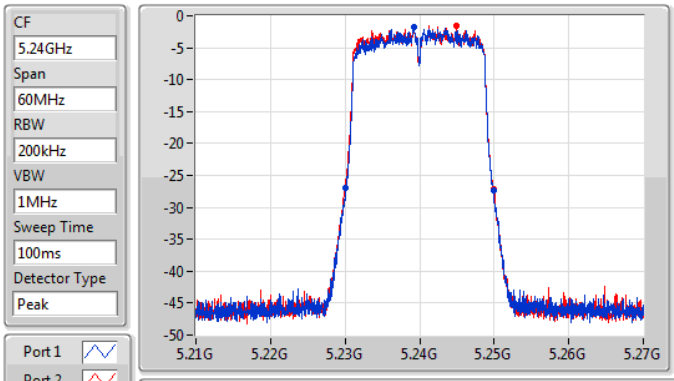
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.1901G	5.20975G	17.571M	5.191124G	5.208696G	Inf	1
19.59M	5.19016G	5.20975G	17.511M	5.191154G	5.208666G	Inf	2

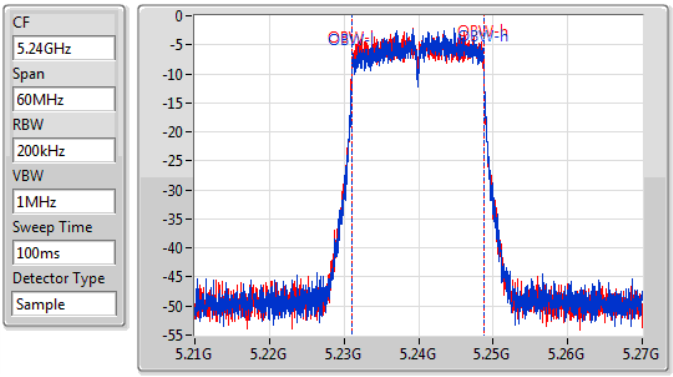
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

19/06/2019





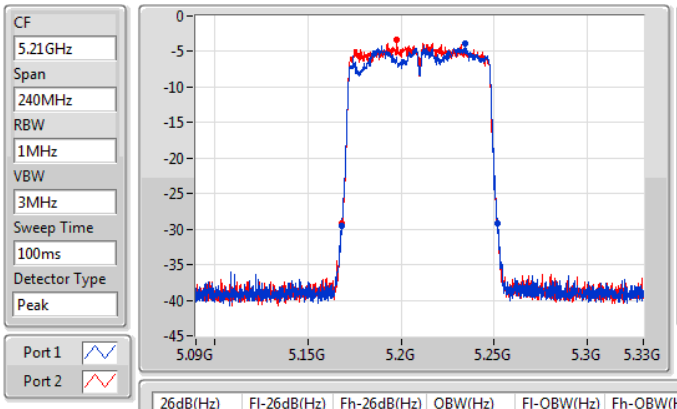
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.86M	5.23004G	5.2499G	17.571M	5.231124G	5.248696G	Inf	1
19.89M	5.22998G	5.24987G	17.601M	5.231094G	5.248696G	Inf	2

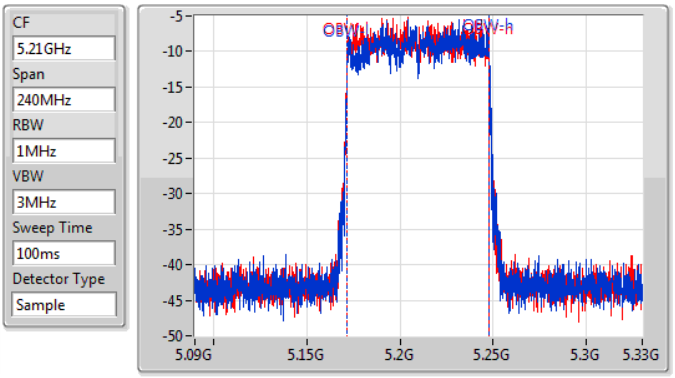
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

19/06/2019





26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.76M	5.16812G	5.25188G	76.042M	5.171859G	5.247901G	Inf	1
83.52M	5.16848G	5.252G	75.922M	5.171859G	5.247781G	Inf	2

For Test Mode 5:
For Band 4
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.38M	16.402M	16M4D1D	16.32M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.61M	17.631M	17M6D1D	17.55M	17.571M
802.11ac VHT80_Nss1,(MCS0)_2TX	75M	75.802M	75M8D1D	75M	75.562M

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

Result

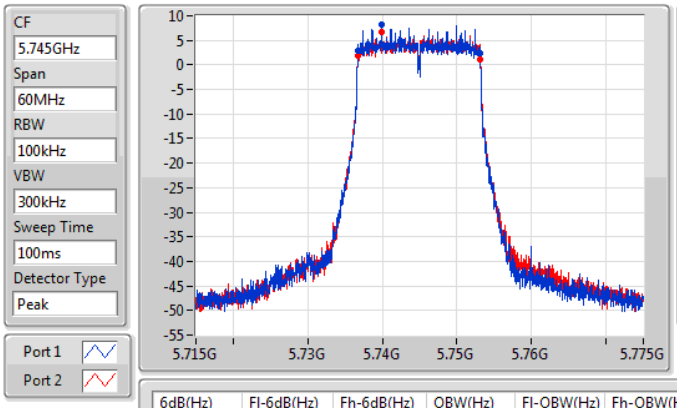
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	16.35M	16.372M	16.38M	16.402M
5785MHz	Pass	500k	16.32M	16.372M	16.32M	16.402M
5825MHz	Pass	500k	16.35M	16.402M	16.35M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	17.58M	17.571M	17.58M	17.601M
5785MHz	Pass	500k	17.58M	17.601M	17.58M	17.631M
5825MHz	Pass	500k	17.61M	17.601M	17.55M	17.601M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	500k	75M	75.802M	75M	75.562M

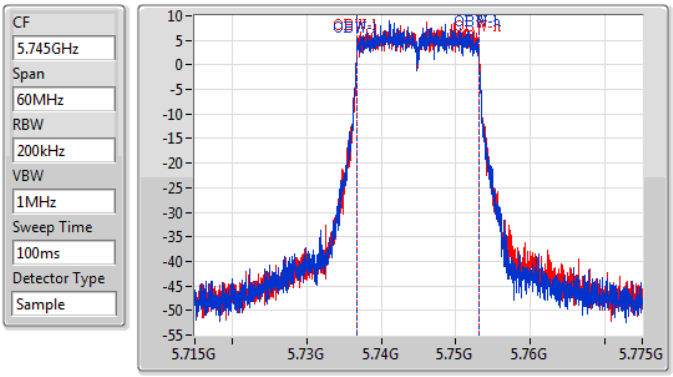
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

27/06/2019



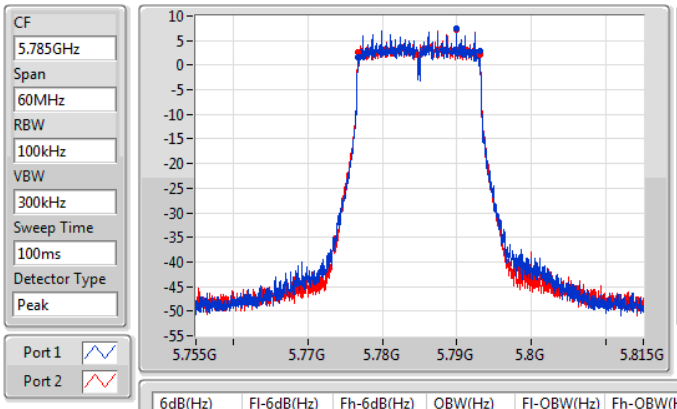


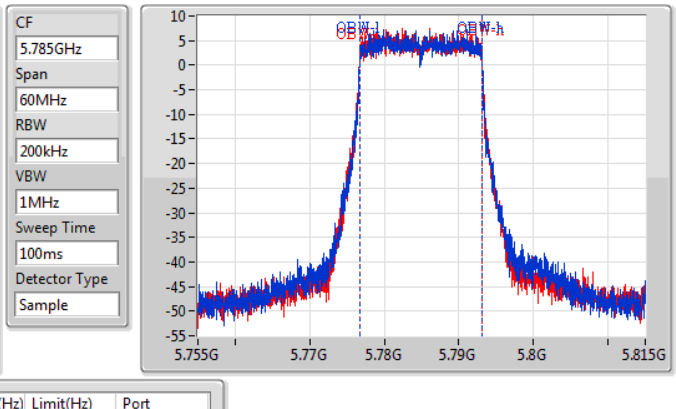
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73672G	5.75307G	16.372M	5.736694G	5.753066G	500k	1
16.38M	5.73672G	5.7531G	16.402M	5.736694G	5.753096G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

27/06/2019





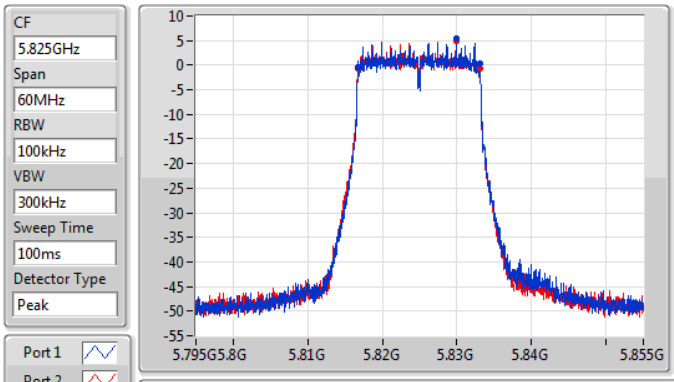
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77672G	5.79304G	16.372M	5.776694G	5.793066G	500k	1
16.32M	5.77675G	5.79307G	16.402M	5.776694G	5.793096G	500k	2

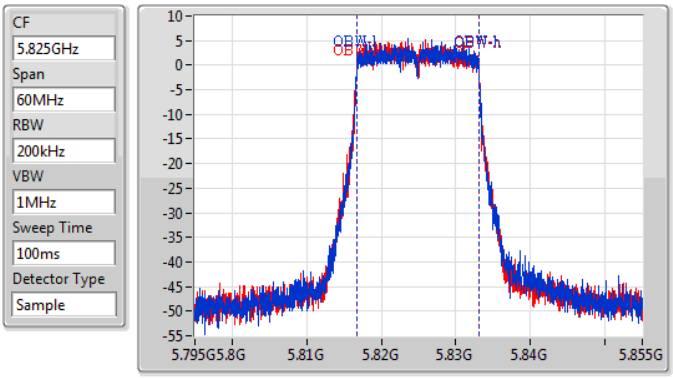
802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

27/06/2019





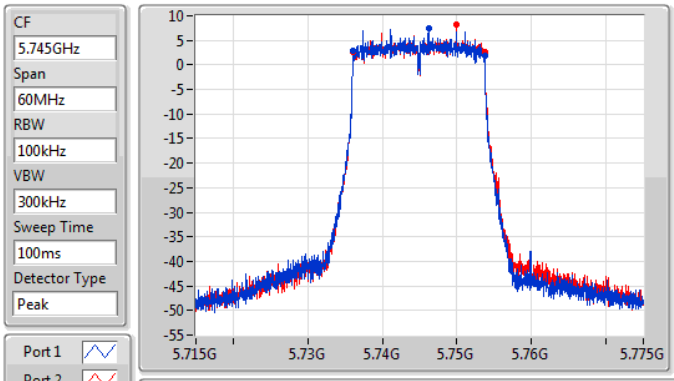
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.81672G	5.83307G	16.402M	5.816694G	5.833096G	500k	1
16.35M	5.81672G	5.83307G	16.402M	5.816664G	5.833066G	500k	2

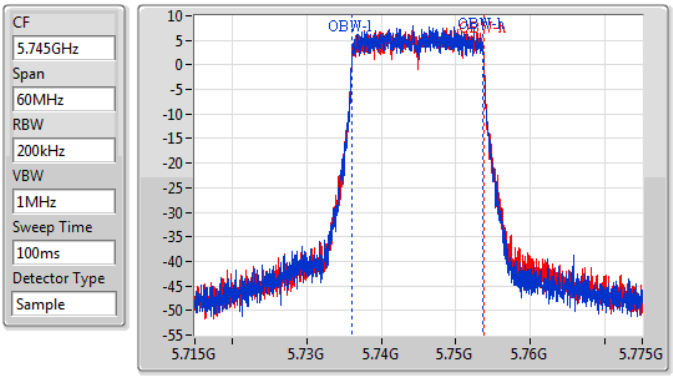
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

27/06/2019





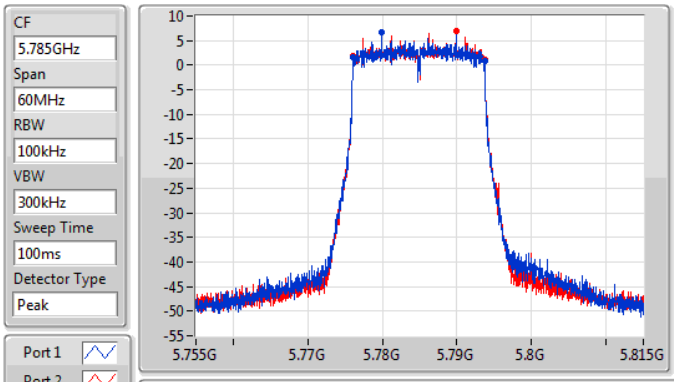
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.73612G	5.7537G	17.571M	5.736094G	5.753666G	500k	1
17.58M	5.73612G	5.7537G	17.601M	5.736094G	5.753696G	500k	2

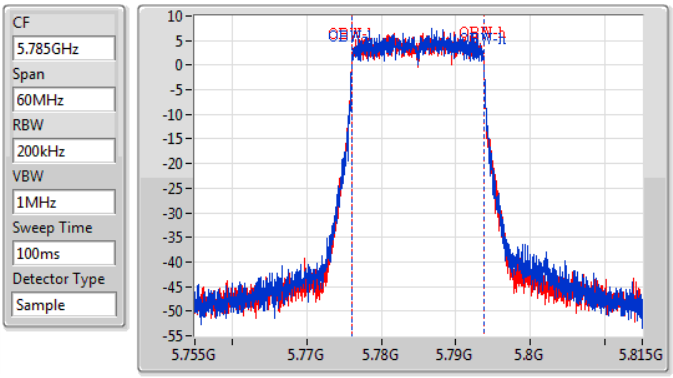
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

27/06/2019





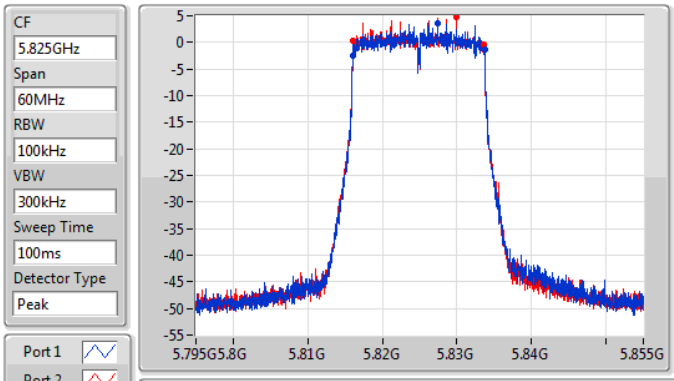
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.77612G	5.7937G	17.601M	5.776094G	5.793696G	500k	1
17.58M	5.77612G	5.7937G	17.631M	5.776064G	5.793696G	500k	2

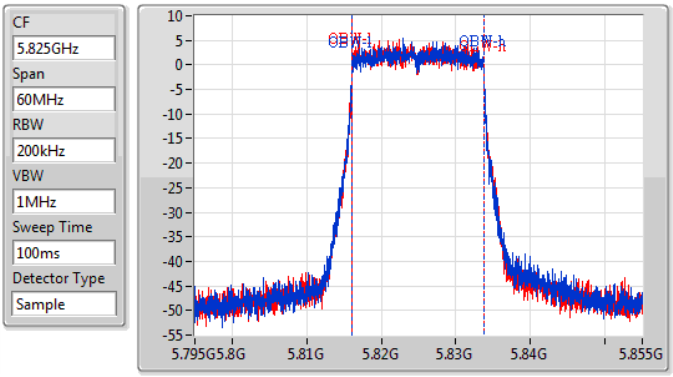
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5825MHz

27/06/2019



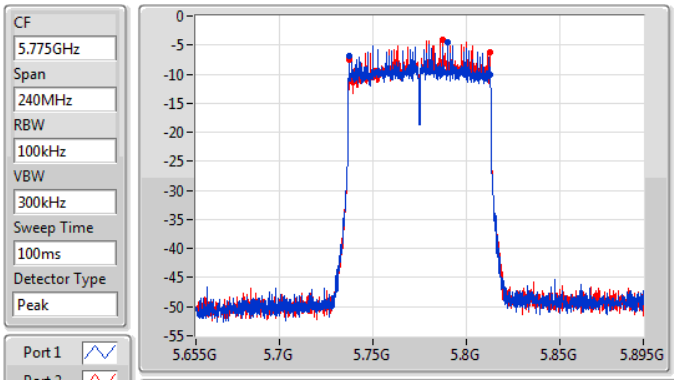


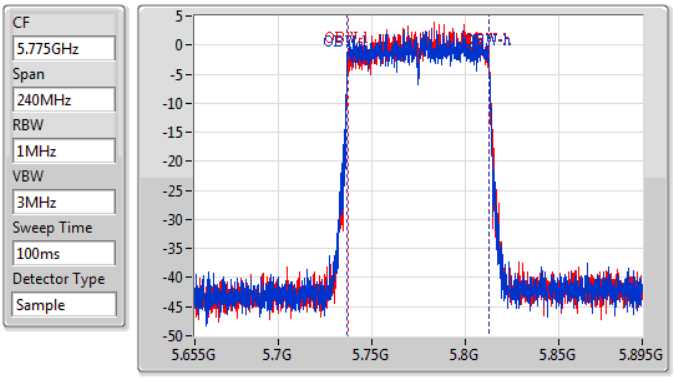
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.61M	5.81609G	5.8337G	17.601M	5.816094G	5.833696G	500k	1
17.55M	5.81612G	5.83367G	17.601M	5.816094G	5.833696G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

27/06/2019





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75M	5.73744G	5.81244G	75.802M	5.736859G	5.812661G	500k	1
75M	5.73744G	5.81244G	75.562M	5.737099G	5.812661G	500k	2

For Test Mode 1:

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	29.94	0.98628
802.11ac VHT20_Nss1,(MCS0)_2TX	29.68	0.92897
802.11ac VHT80_Nss1,(MCS0)_2TX	20.96	0.12474
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	29.43	0.87700
802.11ac VHT20_Nss1,(MCS0)_2TX	29.36	0.86298
802.11ac VHT80_Nss1,(MCS0)_2TX	25.66	0.36813

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.00	22.72	22.18	25.47	30.00
5200MHz	Pass	2.00	26.19	25.98	29.10	30.00
5240MHz	Pass	2.00	27.07	26.78	29.94	30.00
5745MHz	Pass	2.00	25.82	26.95	29.43	30.00
5785MHz	Pass	2.00	25.78	26.30	29.06	30.00
5825MHz	Pass	2.00	25.18	26.08	28.66	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.00	21.98	21.26	24.65	30.00
5200MHz	Pass	2.00	25.09	24.71	27.91	30.00
5240MHz	Pass	2.00	26.77	26.56	29.68	30.00
5745MHz	Pass	2.00	25.80	26.84	29.36	30.00
5785MHz	Pass	2.00	26.21	26.27	29.25	30.00
5825MHz	Pass	2.00	25.34	25.97	28.68	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	2.00	18.02	17.87	20.96	30.00
5775MHz	Pass	2.00	22.95	22.33	25.66	30.00

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

For Test Mode 2:

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.81	0.12050
802.11ac VHT20_Nss1,(MCS0)_2TX	22.90	0.19498
802.11ac VHT80_Nss1,(MCS0)_2TX	15.23	0.03334
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	29.38	0.86696
802.11ac VHT20_Nss1,(MCS0)_2TX	29.36	0.86298
802.11ac VHT80_Nss1,(MCS0)_2TX	24.76	0.29923

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	13.00	15.65	15.51	18.59	30.00
5200MHz	Pass	13.00	17.89	17.70	20.81	30.00
5240MHz	Pass	13.00	17.60	17.82	20.72	30.00
5745MHz	Pass	13.00	25.76	26.91	29.38	30.00
5785MHz	Pass	13.00	25.78	26.30	29.06	30.00
5825MHz	Pass	13.00	25.18	26.08	28.66	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	13.00	18.54	18.23	21.40	30.00
5200MHz	Pass	13.00	20.12	19.64	22.90	30.00
5240MHz	Pass	13.00	18.88	18.82	21.86	30.00
5745MHz	Pass	13.00	25.80	26.84	29.36	30.00
5785MHz	Pass	13.00	26.21	26.27	29.25	30.00
5825MHz	Pass	13.00	25.34	25.97	28.68	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	13.00	12.52	11.90	15.23	30.00
5775MHz	Pass	13.00	22.06	21.41	24.76	30.00

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

For Test Mode 3:

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	13.06	0.02023
802.11ac VHT20_Nss1,(MCS0)_2TX	13.85	0.02427
802.11ac VHT80_Nss1,(MCS0)_2TX	11.53	0.01422
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	21.99	0.15812
802.11ac VHT20_Nss1,(MCS0)_2TX	22.09	0.16181
802.11ac VHT80_Nss1,(MCS0)_2TX	25.55	0.35892

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	19.00	9.61	9.19	12.42	30.00
5200MHz	Pass	19.00	10.15	9.94	13.06	30.00
5240MHz	Pass	19.00	9.54	9.64	12.60	30.00
5745MHz	Pass	19.00	18.58	18.80	21.70	30.00
5785MHz	Pass	19.00	19.11	18.84	21.99	30.00
5825MHz	Pass	19.00	18.71	18.53	21.63	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	19.00	10.88	10.37	13.64	30.00
5200MHz	Pass	19.00	11.05	10.62	13.85	30.00
5240MHz	Pass	19.00	10.48	10.31	13.41	30.00
5745MHz	Pass	19.00	18.78	18.89	21.85	30.00
5785MHz	Pass	19.00	19.05	19.10	22.09	30.00
5825MHz	Pass	19.00	18.74	18.61	21.69	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	19.00	8.61	8.42	11.53	30.00
5775MHz	Pass	19.00	22.69	22.38	25.55	30.00

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

For Test Mode 4:

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	29.00	0.79433
802.11ac VHT20_Nss1,(MCS0)_2TX	29.18	0.82794
802.11ac VHT80_Nss1,(MCS0)_2TX	17.76	0.05970
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	29.04	0.80168
802.11ac VHT20_Nss1,(MCS0)_2TX	28.91	0.77804
802.11ac VHT80_Nss1,(MCS0)_2TX	24.98	0.31477

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.00	18.77	19.38	22.10	30.00
5200MHz	Pass	2.00	23.15	23.49	26.33	30.00
5240MHz	Pass	2.00	26.11	25.87	29.00	30.00
5745MHz	Pass	2.00	26.18	25.88	29.04	30.00
5785MHz	Pass	2.00	25.20	25.80	28.52	30.00
5825MHz	Pass	2.00	25.20	25.25	28.24	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.00	18.97	19.14	22.07	30.00
5200MHz	Pass	2.00	23.42	23.44	26.44	30.00
5240MHz	Pass	2.00	26.03	26.30	29.18	30.00
5745MHz	Pass	2.00	26.08	25.71	28.91	30.00
5785MHz	Pass	2.00	25.20	25.71	28.47	30.00
5825MHz	Pass	2.00	25.24	25.18	28.22	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	2.00	14.63	14.87	17.76	30.00
5775MHz	Pass	2.00	22.07	21.86	24.98	30.00

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

For Test Mode 5:
For Band 1
Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.33	0.01710
802.11ac VHT20_Nss1,(MCS0)_2TX	12.10	0.01622
802.11ac VHT80_Nss1,(MCS0)_2TX	8.38	0.00689

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	19.00	7.89	9.11	11.55	30.00
5200MHz	Pass	19.00	8.35	9.33	11.88	30.00
5240MHz	Pass	19.00	8.93	9.67	12.33	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	19.00	8.51	8.86	11.70	30.00
5200MHz	Pass	19.00	8.33	9.43	11.93	30.00
5240MHz	Pass	19.00	9.02	9.16	12.10	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	19.00	4.94	5.76	8.38	30.00

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

For Test Mode 5:
For Band 4
Summary

Mode	Total Power (dBm)	Total Power (W)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.16	0.20701
802.11ac VHT20_Nss1,(MCS0)_2TX	23.19	0.20845
802.11ac VHT80_Nss1,(MCS0)_2TX	16.05	0.04027

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	19.00	20.05	20.25	23.16	30.00
5785MHz	Pass	19.00	18.98	18.96	21.98	30.00
5825MHz	Pass	19.00	17.03	17.05	20.05	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	19.00	20.19	20.17	23.19	30.00
5785MHz	Pass	19.00	19.02	19.05	22.05	30.00
5825MHz	Pass	19.00	17.17	16.96	20.08	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	19.00	12.75	13.32	16.05	30.00

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

For Test Mode 1:

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	16.22
802.11ac VHT20_Nss1,(MCS0)_2TX	16.76
802.11ac VHT80_Nss1,(MCS0)_2TX	2.26
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	14.02
802.11ac VHT20_Nss1,(MCS0)_2TX	14.84
802.11ac VHT80_Nss1,(MCS0)_2TX	5.38

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

Result

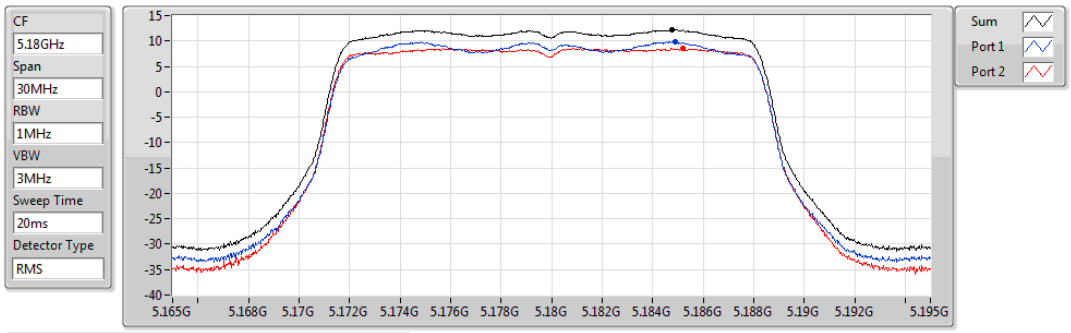
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.00	9.85	8.52	12.21	17.00
5200MHz	Pass	2.00	13.09	12.37	15.67	17.00
5240MHz	Pass	2.00	13.63	13.16	16.22	17.00
5745MHz	Pass	2.00	10.55	11.70	14.02	30.00
5785MHz	Pass	2.00	10.57	11.21	13.81	30.00
5825MHz	Pass	2.00	9.83	10.80	13.32	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.00	9.54	8.37	11.91	17.00
5200MHz	Pass	2.00	12.47	11.63	15.05	17.00
5240MHz	Pass	2.00	14.06	13.65	16.76	17.00
5745MHz	Pass	2.00	11.36	12.39	14.84	30.00
5785MHz	Pass	2.00	11.54	11.91	14.72	30.00
5825MHz	Pass	2.00	10.62	11.27	13.91	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	2.00	-0.44	-0.75	2.26	17.00
5775MHz	Pass	2.00	2.92	2.15	5.38	30.00

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

07/05/2019

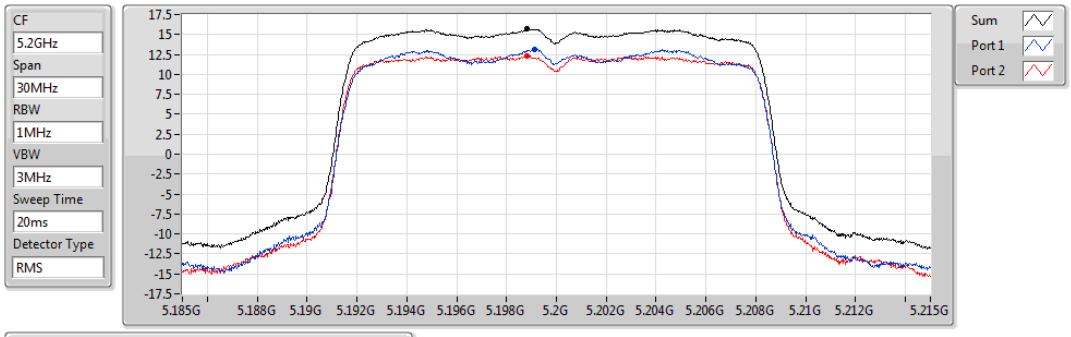


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.21	12.21	9.85	8.52

802.11a_Nss1,(6Mbps)_2TX PSD

5200MHz

07/05/2019

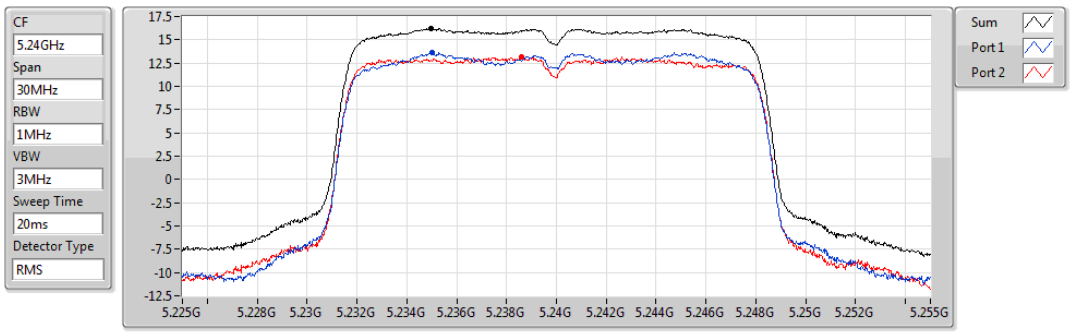


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.67	15.67	13.09	12.37

802.11a_Nss1,(6Mbps)_2TX PSD

5240MHz

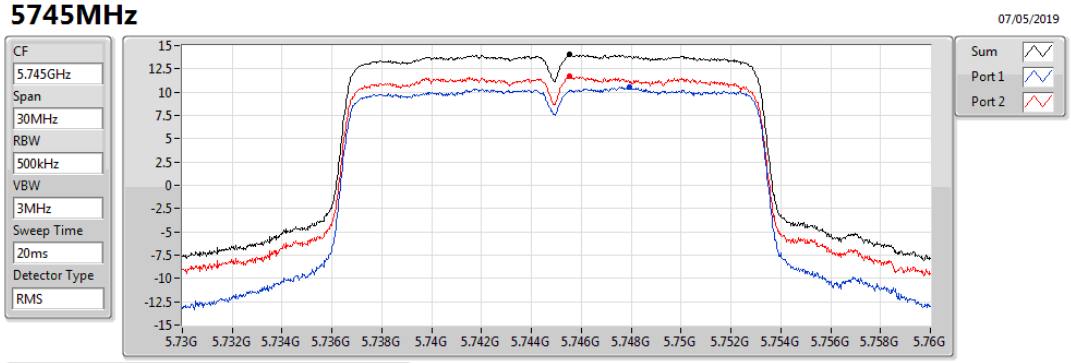
07/05/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.22	16.22	13.63	13.16

802.11a_Nss1,(6Mbps)_2TX PSD

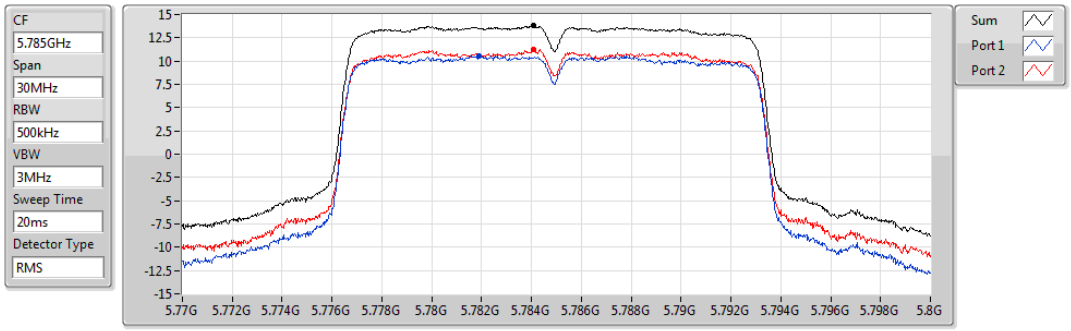
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.02	14.02	10.55	11.70

802.11a_Nss1,(6Mbps)_2TX PSD

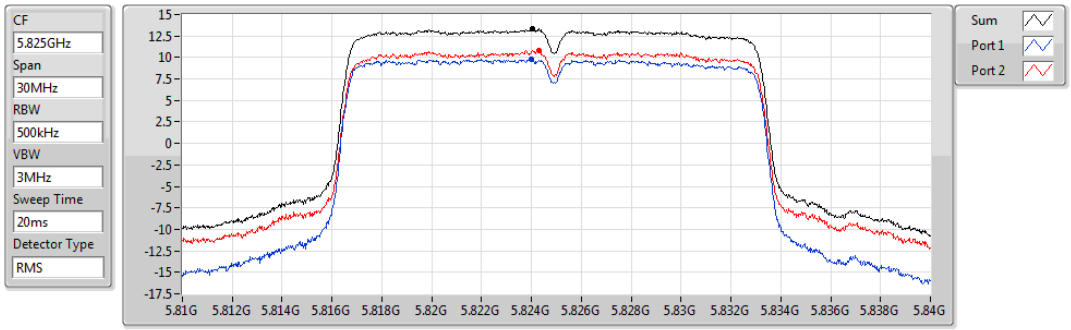
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.81	13.81	10.57	11.21

802.11a_Nss1,(6Mbps)_2TX PSD

5825MHz

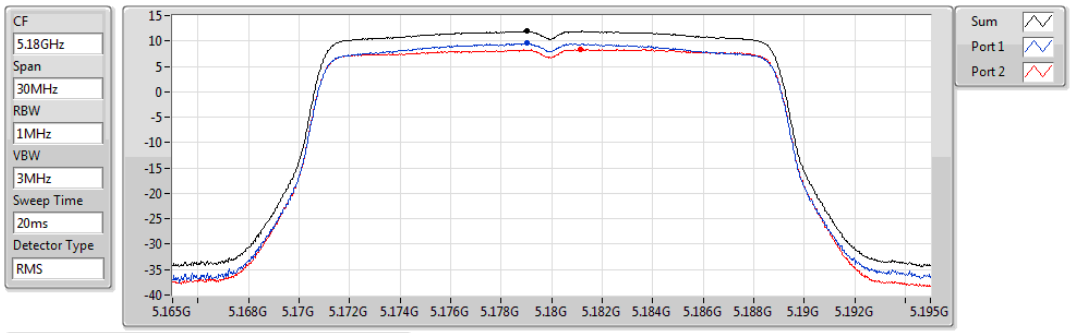


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.32	13.32	9.83	10.80

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5180MHz

29/04/2019

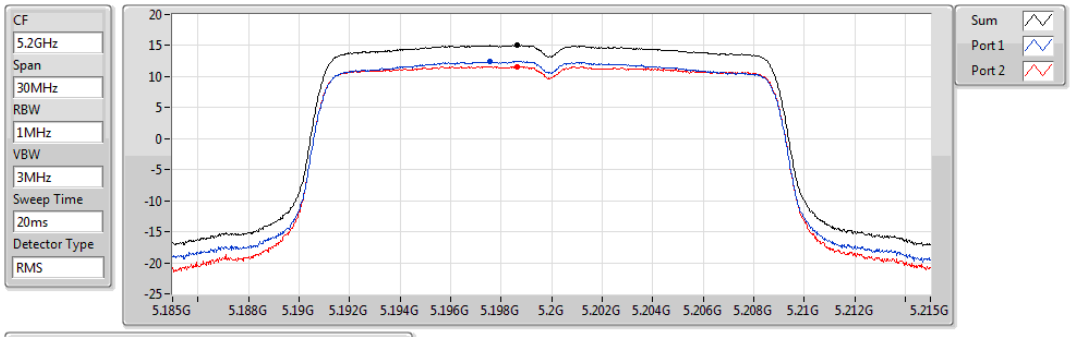


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.91	11.91	9.54	8.37

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5200MHz

29/04/2019

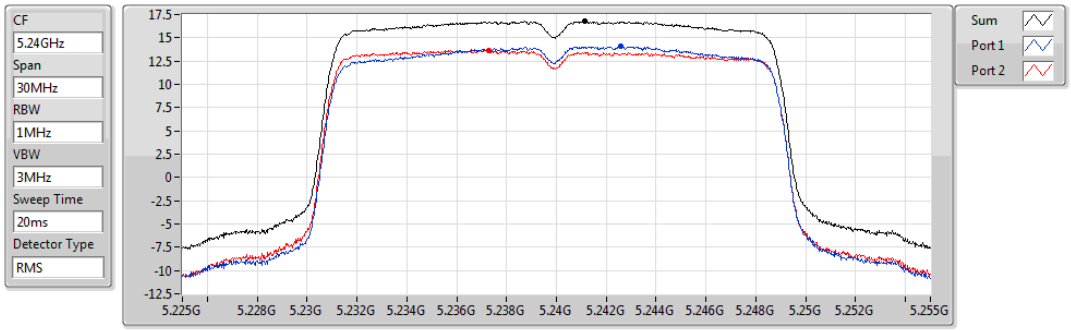


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.05	15.05	12.47	11.63

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5240MHz

29/04/2019

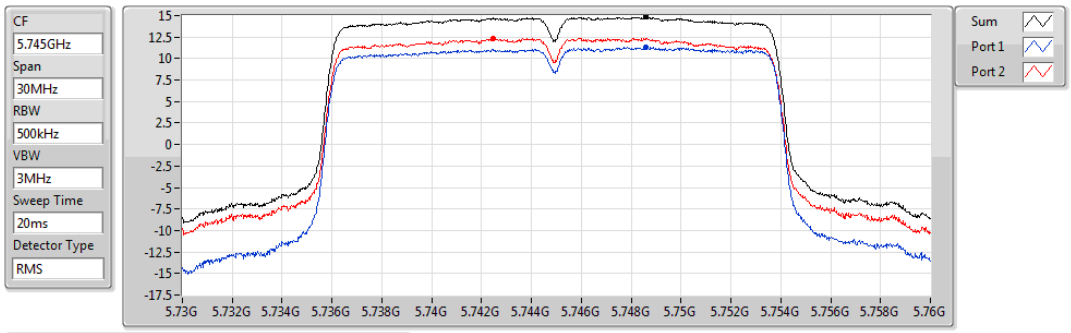


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.76	16.76	14.06	13.65

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5745MHz

29/04/2019

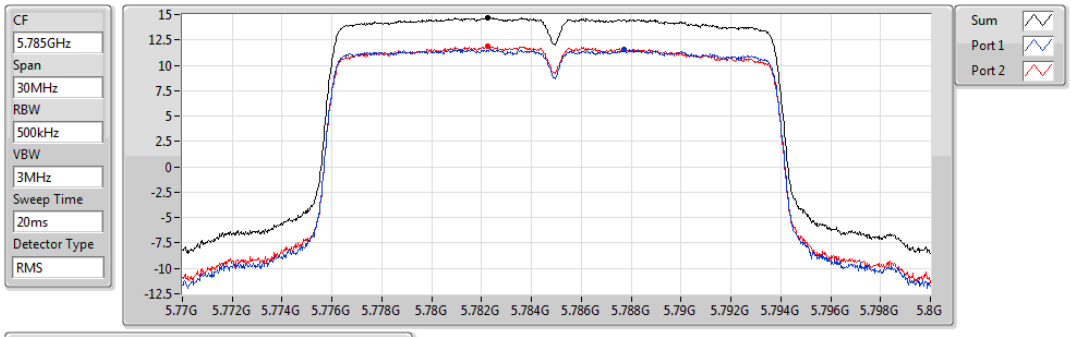


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.84	14.84	11.36	12.39

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5785MHz

29/04/2019

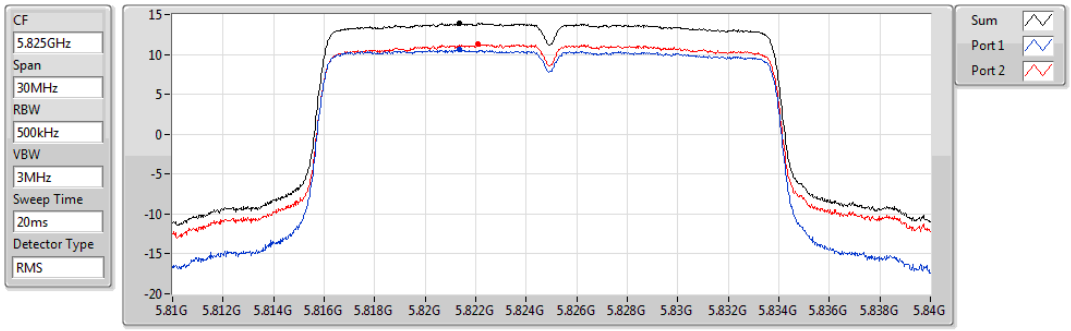


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.72	14.72	11.54	11.91

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5825MHz

29/04/2019

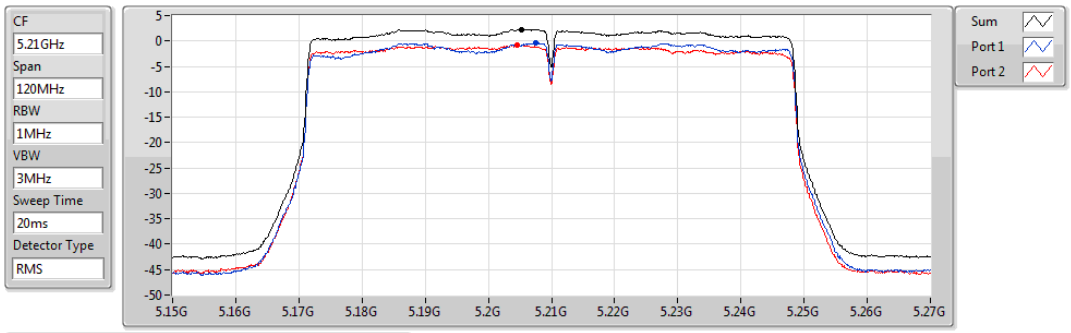


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.91	13.91	10.62	11.27

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5210MHz

29/04/2019

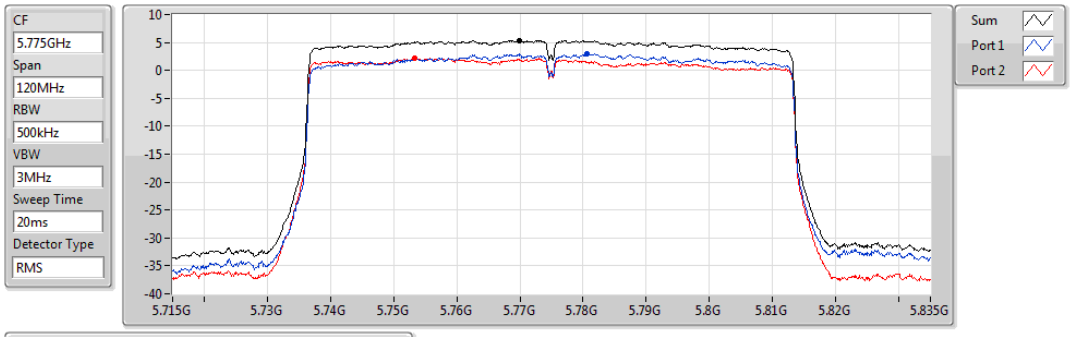


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.26	2.26	-0.44	-0.75

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz

29/04/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.38	5.38	2.92	2.15

For Test Mode 2:

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.33
802.11ac VHT20_Nss1,(MCS0)_2TX	10.11
802.11ac VHT80_Nss1,(MCS0)_2TX	-3.65
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	14.92
802.11ac VHT20_Nss1,(MCS0)_2TX	14.63
802.11ac VHT80_Nss1,(MCS0)_2TX	4.28

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

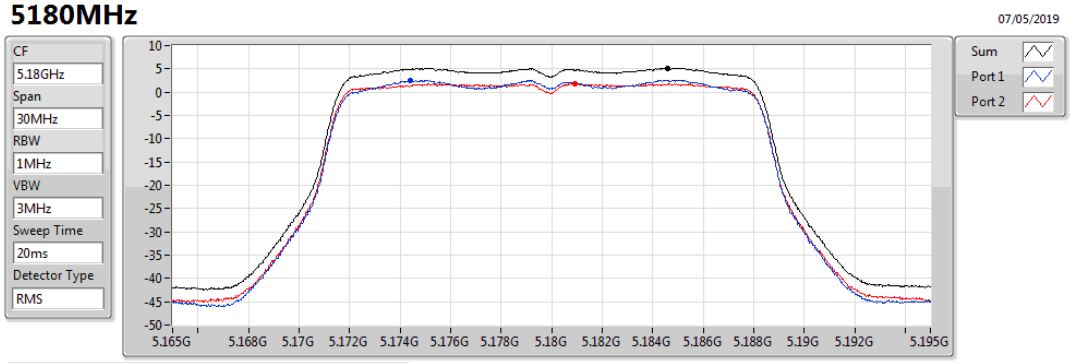
Result

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	13.00	2.56	1.78	5.12	17.00
5200MHz	Pass	13.00	4.63	4.06	7.33	17.00
5240MHz	Pass	13.00	4.27	4.14	7.07	17.00
5745MHz	Pass	13.00	11.59	12.56	14.92	30.00
5785MHz	Pass	13.00	11.97	12.10	14.86	30.00
5825MHz	Pass	13.00	10.93	11.44	14.10	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	13.00	3.54	2.46	5.95	17.00
5200MHz	Pass	13.00	7.56	6.66	10.11	17.00
5240MHz	Pass	13.00	6.06	5.50	8.70	17.00
5745MHz	Pass	13.00	11.09	12.15	14.63	30.00
5785MHz	Pass	13.00	11.53	11.74	14.56	30.00
5825MHz	Pass	13.00	10.59	11.29	13.90	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	13.00	-6.34	-6.97	-3.65	17.00
5775MHz	Pass	13.00	1.91	0.90	4.28	30.00

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

802.11a_Nss1,(6Mbps)_2TX PSD

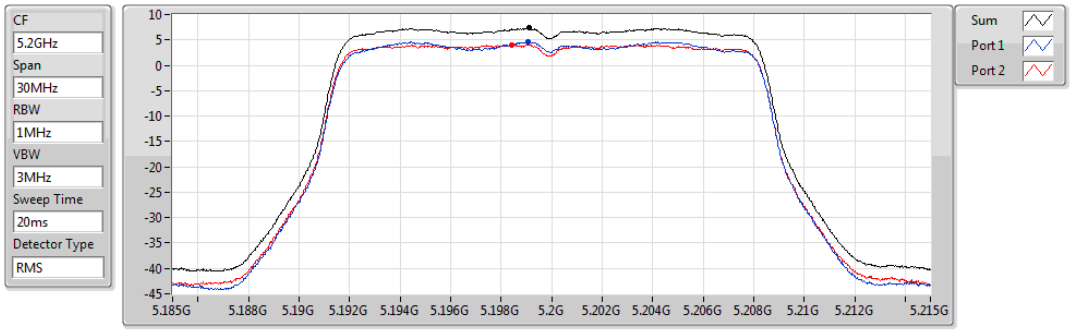
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.12	5.12	2.56	1.78

802.11a_Nss1,(6Mbps)_2TX PSD

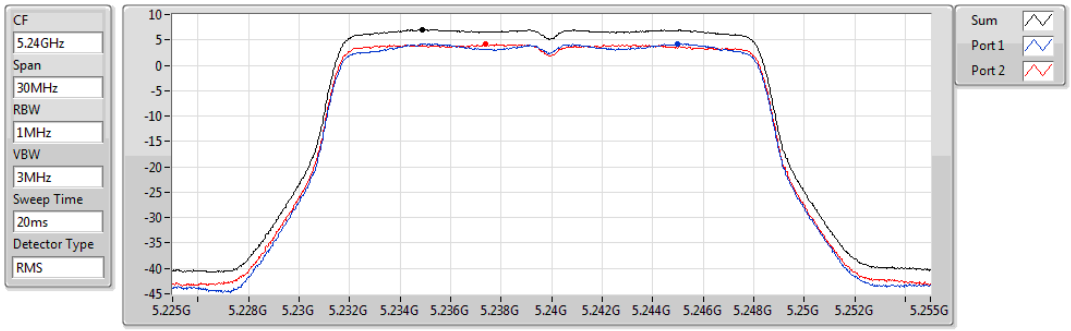
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.33	7.33	4.63	4.06

802.11a_Nss1,(6Mbps)_2TX PSD

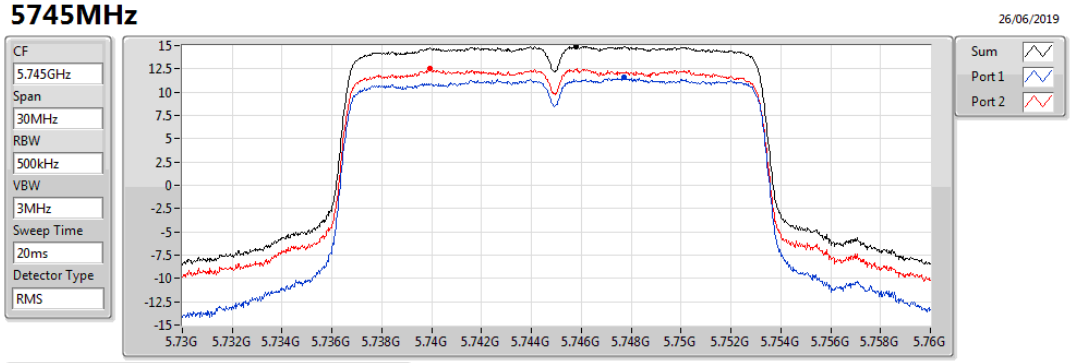
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.07	7.07	4.27	4.14

802.11a_Nss1,(6Mbps)_2TX PSD

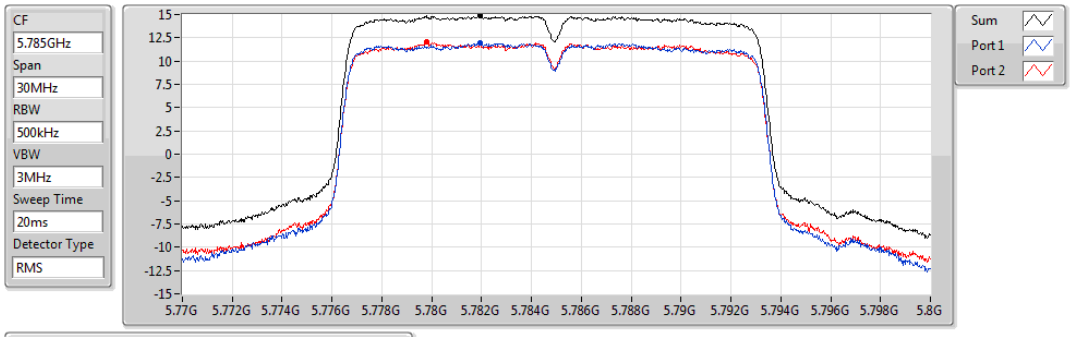
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.92	14.92	11.59	12.56

802.11a_Nss1,(6Mbps)_2TX PSD

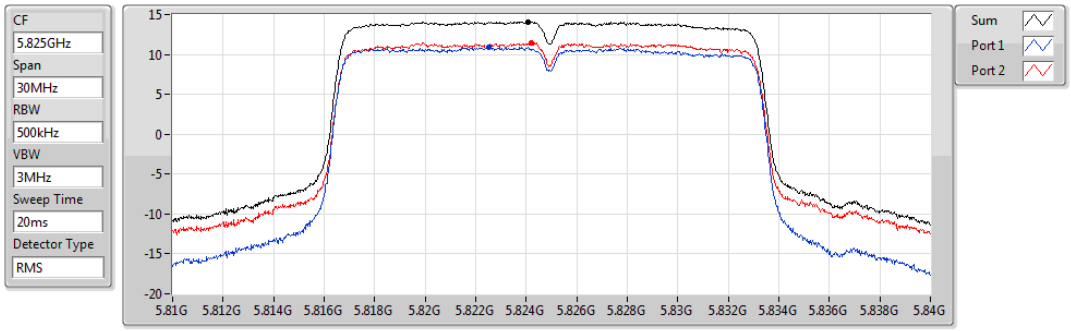
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.86	14.86	11.97	12.10

802.11a_Nss1,(6Mbps)_2TX PSD

5825MHz

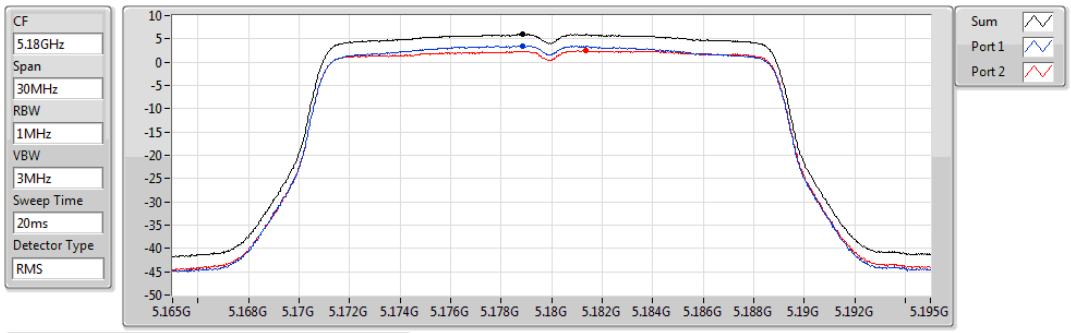


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.10	14.10	10.93	11.44

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5180MHz

29/04/2019

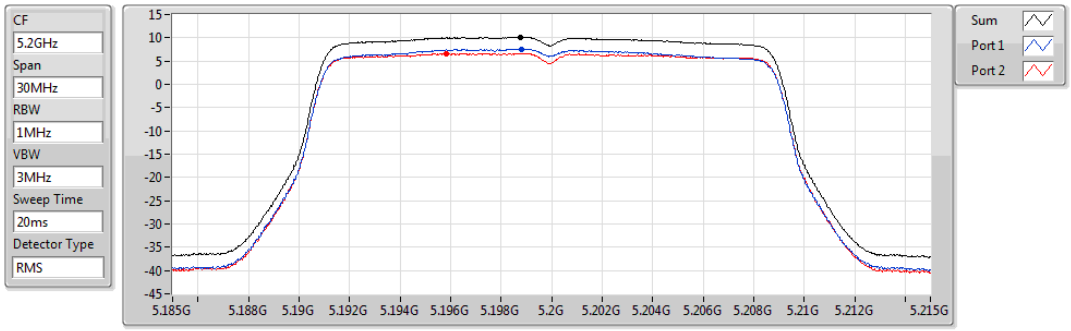


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.95	5.95	3.54	2.46

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5200MHz

29/04/2019

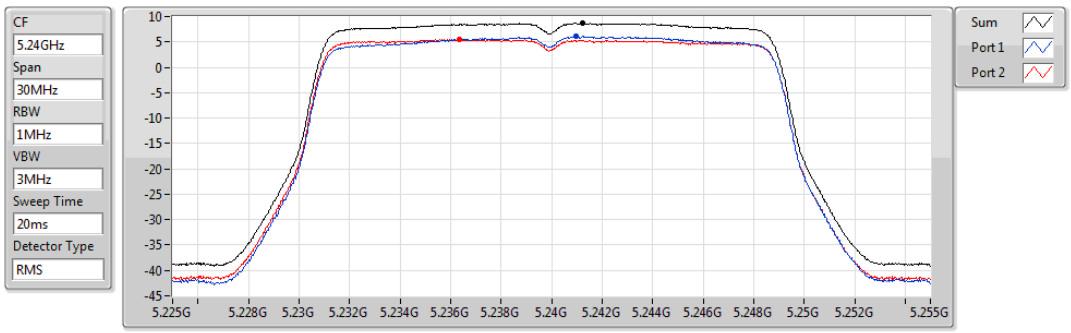


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.11	10.11	7.56	6.66

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5240MHz

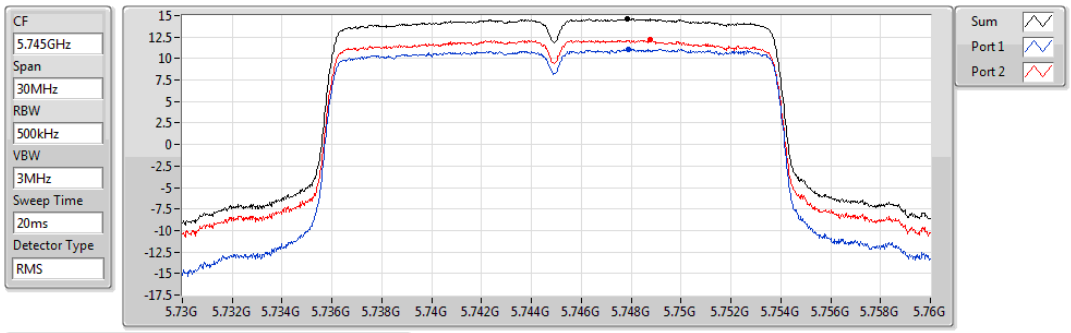
26/06/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.70	8.70	6.06	5.50

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

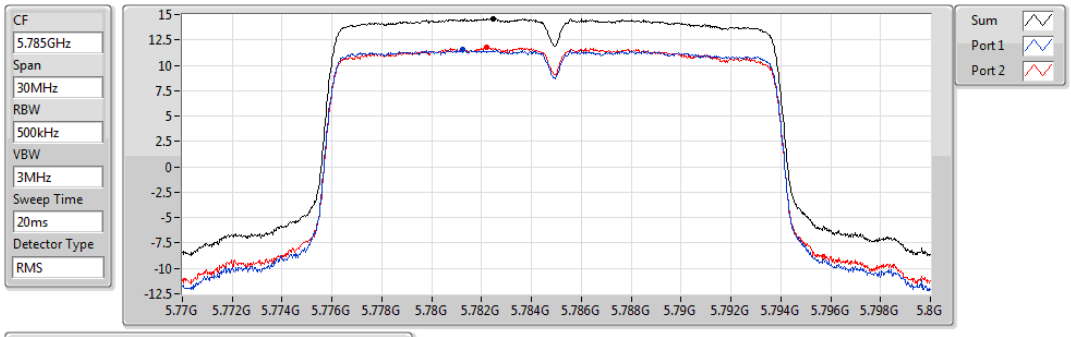
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.63	14.63	11.09	12.15

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

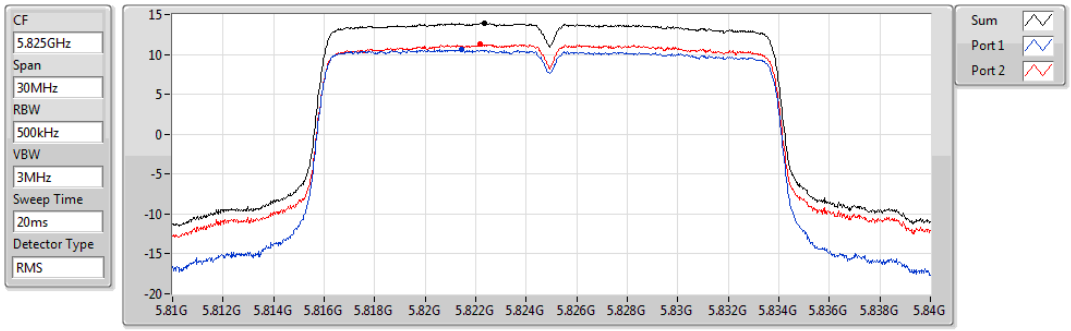
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.56	14.56	11.53	11.74

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5825MHz

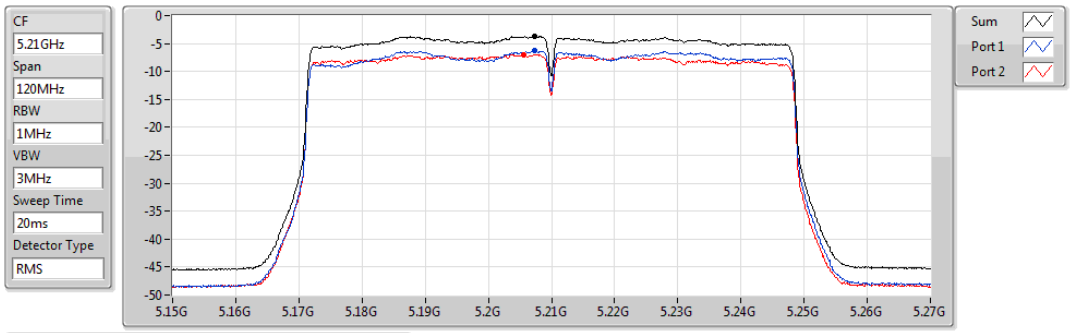


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.90	13.90	10.59	11.29

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5210MHz

29/04/2019

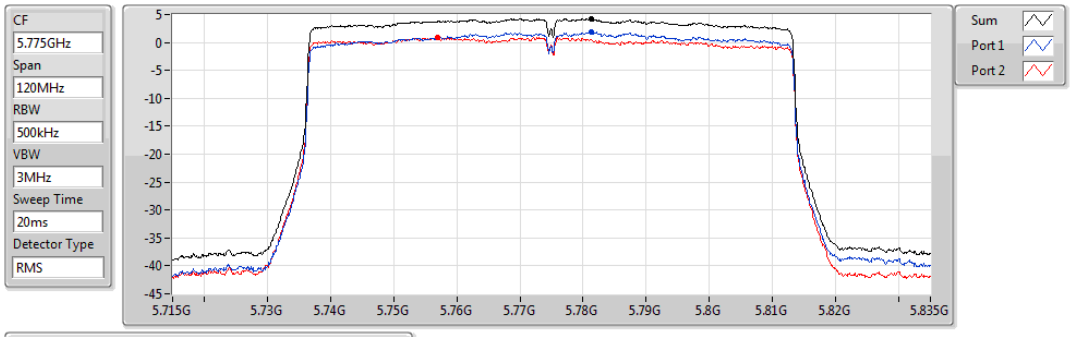


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.65	-3.65	-6.34	-6.97

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz

26/06/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.28	4.28	1.91	0.90

For Test Mode 3:

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	-0.52
802.11ac VHT20_Nss1,(MCS0)_2TX	0.01
802.11ac VHT80_Nss1,(MCS0)_2TX	-8.39
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.61
802.11ac VHT20_Nss1,(MCS0)_2TX	7.43
802.11ac VHT80_Nss1,(MCS0)_2TX	4.90

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

Result

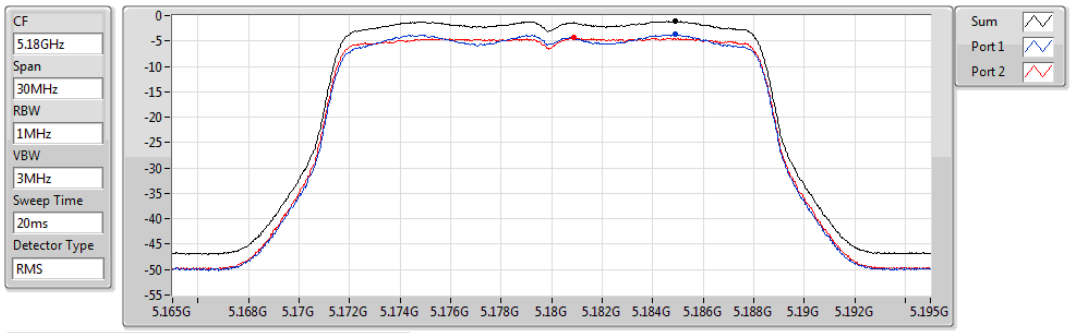
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	19.00	-3.74	-4.35	-1.14	17.00
5200MHz	Pass	19.00	-3.20	-3.68	-0.52	17.00
5240MHz	Pass	19.00	-4.01	-4.13	-1.30	17.00
5745MHz	Pass	19.00	4.36	4.76	7.41	30.00
5785MHz	Pass	19.00	4.74	4.75	7.61	30.00
5825MHz	Pass	19.00	4.37	4.27	7.20	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	19.00	-2.61	-3.43	-0.07	17.00
5200MHz	Pass	19.00	-2.63	-3.38	0.01	17.00
5240MHz	Pass	19.00	-3.38	-3.82	-0.70	17.00
5745MHz	Pass	19.00	4.13	4.74	7.43	30.00
5785MHz	Pass	19.00	4.38	4.66	7.41	30.00
5825MHz	Pass	19.00	4.03	4.19	7.04	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	19.00	-11.09	-11.51	-8.39	17.00
5775MHz	Pass	19.00	2.32	1.76	4.90	30.00

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

07/05/2019

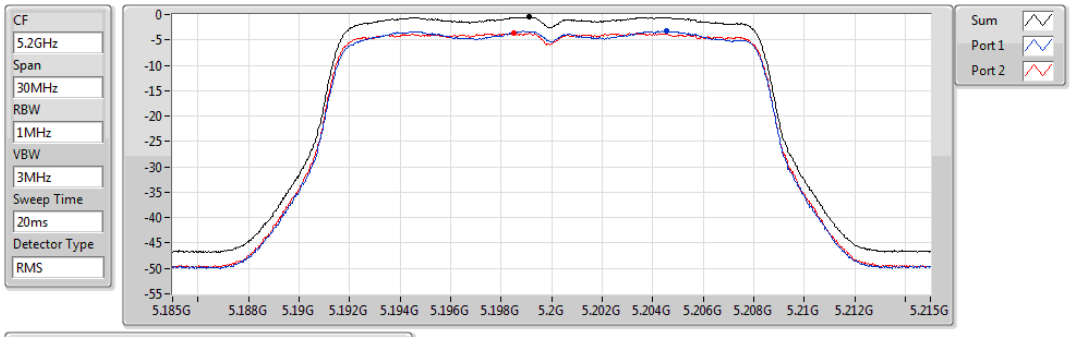


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.14	-1.14	-3.74	-4.35

802.11a_Nss1,(6Mbps)_2TX PSD

5200MHz

07/05/2019

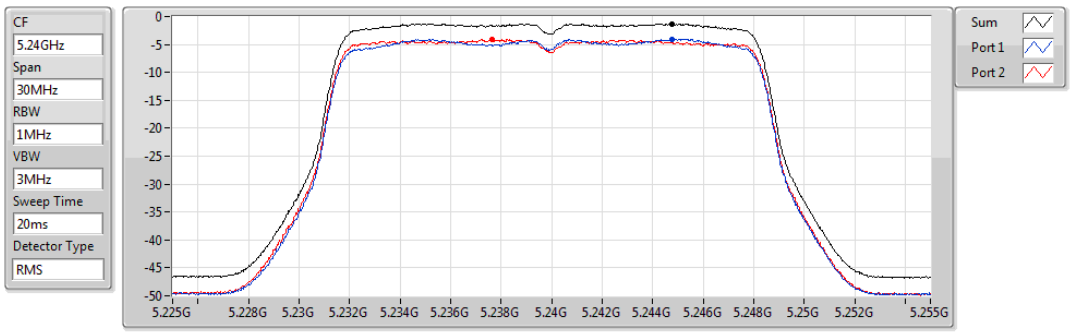


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.52	-0.52	-3.20	-3.68

802.11a_Nss1,(6Mbps)_2TX PSD

5240MHz

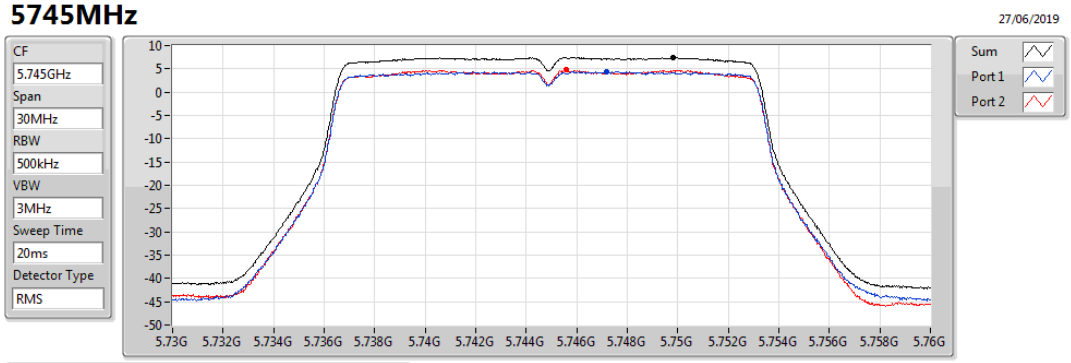
07/05/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.30	-1.30	-4.01	-4.13

802.11a_Nss1,(6Mbps)_2TX PSD

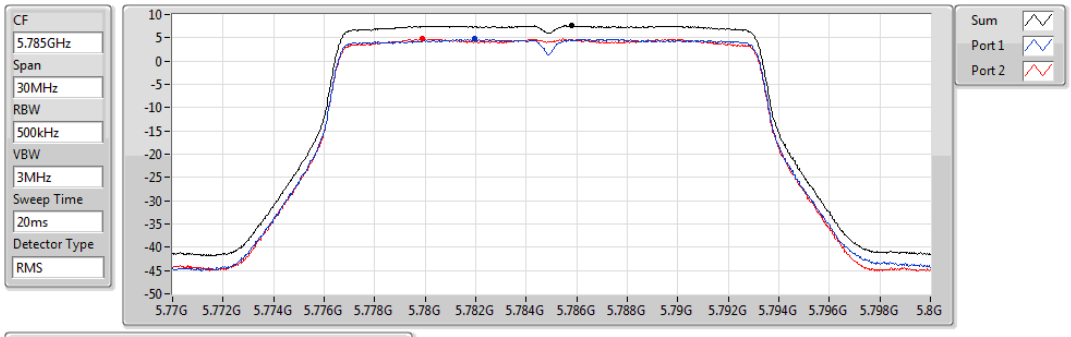
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.41	7.41	4.36	4.76

802.11a_Nss1,(6Mbps)_2TX PSD

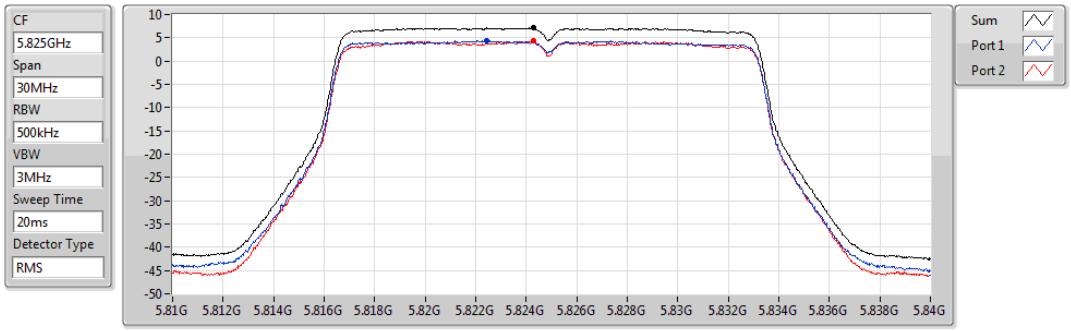
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.61	7.61	4.74	4.75

802.11a_Nss1,(6Mbps)_2TX PSD

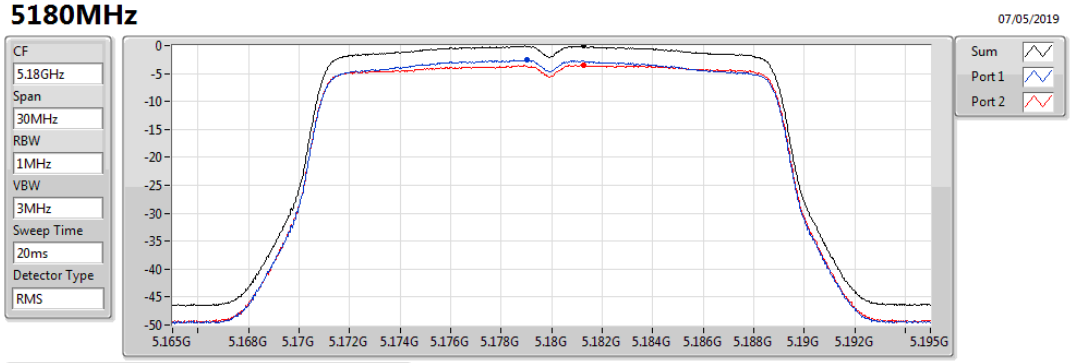
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.20	7.20	4.37	4.27

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

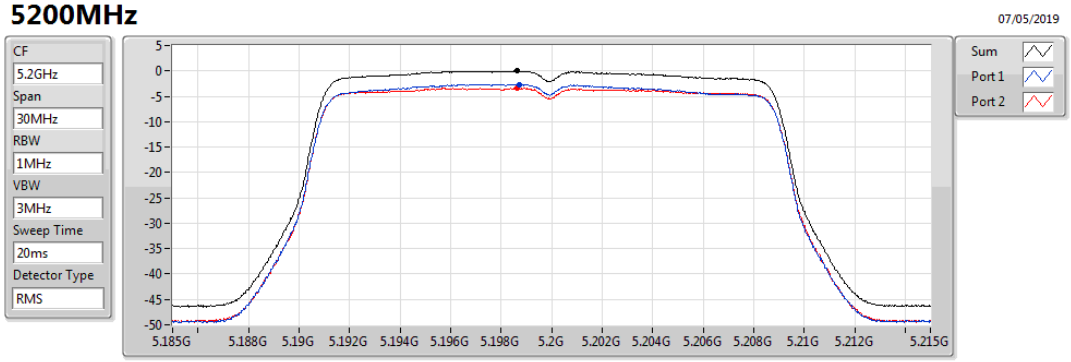
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.07	-0.07	-2.61	-3.43

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

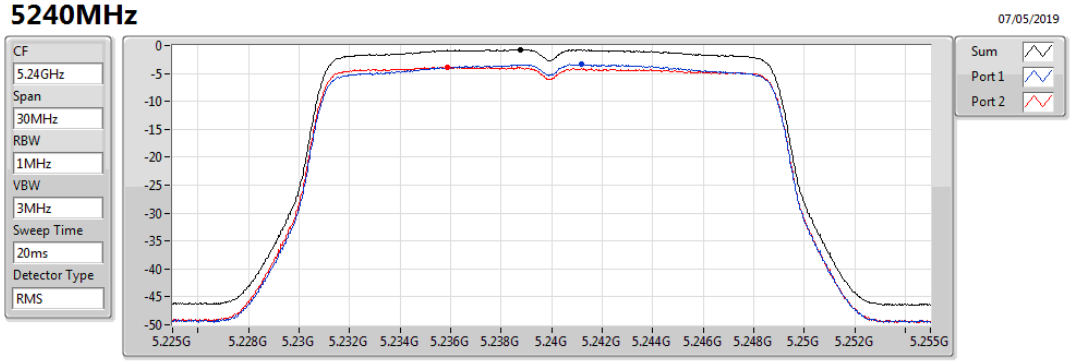
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.01	0.01	-2.63	-3.38

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

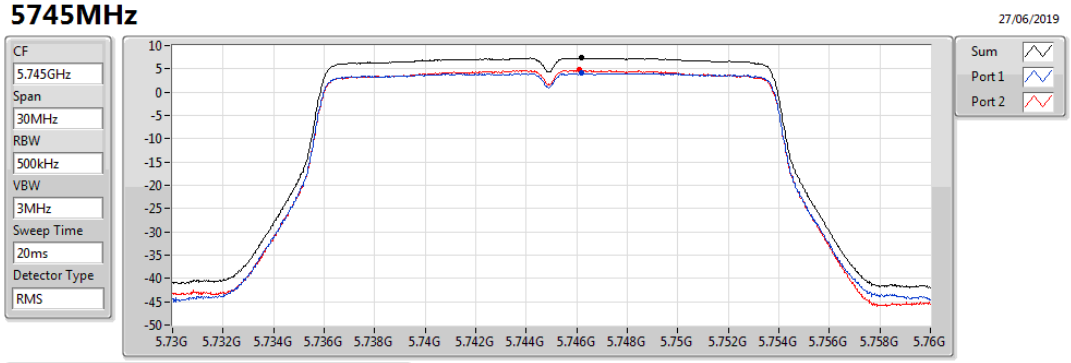
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.70	-0.70	-3.38	-3.82

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

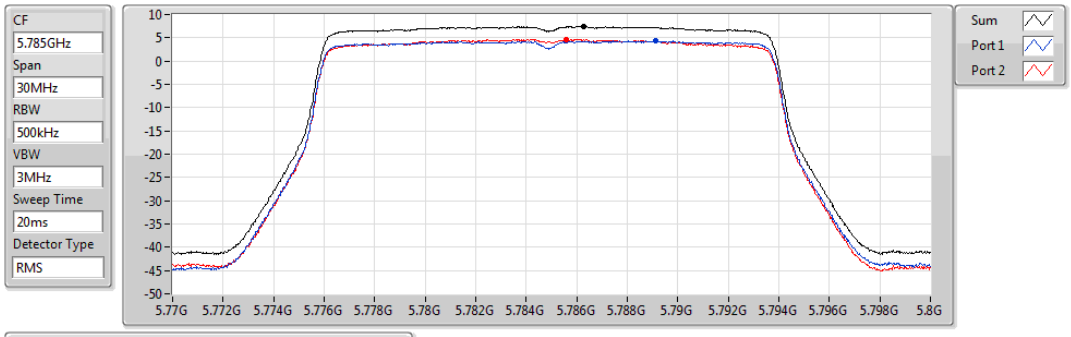
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.43	7.43	4.13	4.74

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

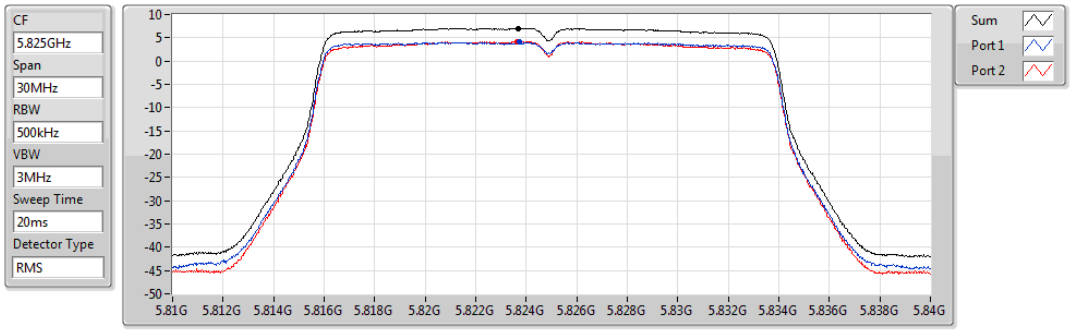
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.41	7.41	4.38	4.66

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5825MHz

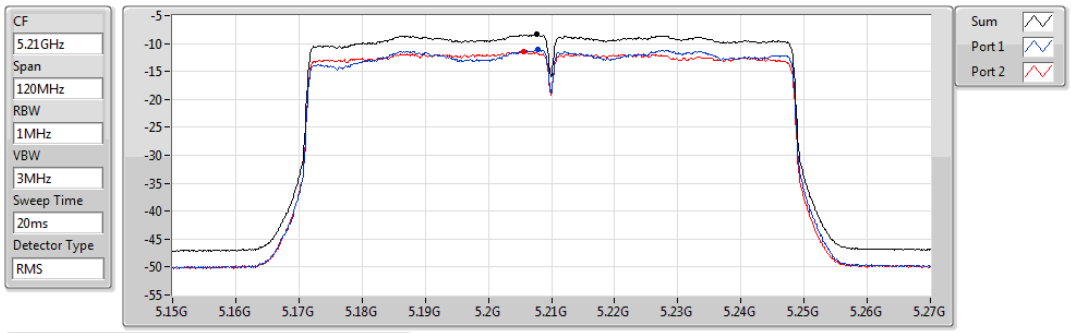


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.04	7.04	4.03	4.19

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5210MHz

07/05/2019

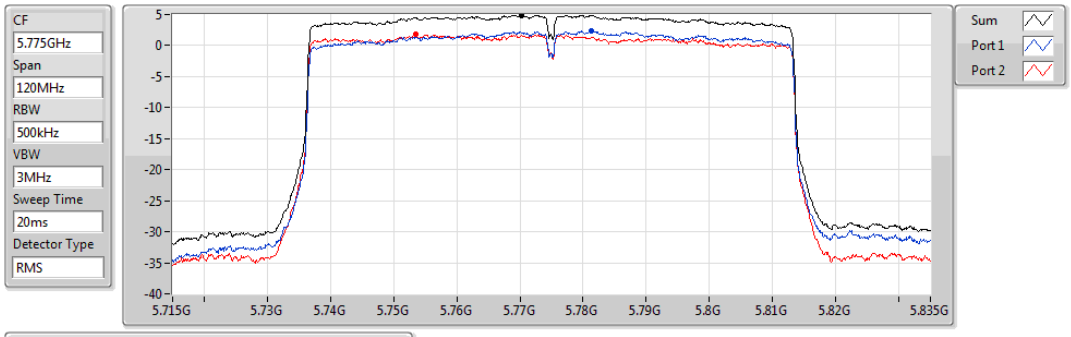


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.39	-8.39	-11.09	-11.51

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz

20/06/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.90	4.90	2.32	1.76

For Test Mode 4:

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	16.98
802.11ac VHT20_Nss1,(MCS0)_2TX	16.94
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.19
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	14.47
802.11ac VHT20_Nss1,(MCS0)_2TX	13.95
802.11ac VHT80_Nss1,(MCS0)_2TX	4.35

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

Result

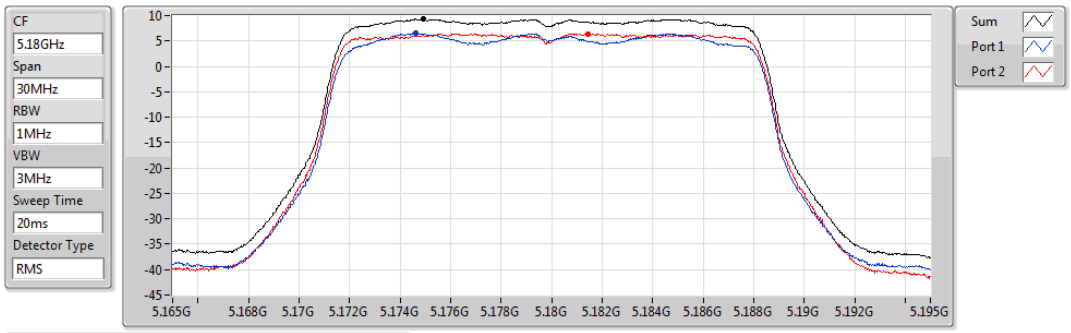
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.00	6.62	6.43	9.27	17.00
5200MHz	Pass	2.00	10.84	10.66	13.61	17.00
5240MHz	Pass	2.00	14.13	14.00	16.98	17.00
5745MHz	Pass	2.00	11.71	11.37	14.47	30.00
5785MHz	Pass	2.00	11.04	11.64	14.18	30.00
5825MHz	Pass	2.00	10.76	10.87	13.77	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.00	6.71	6.11	9.30	17.00
5200MHz	Pass	2.00	10.82	10.47	13.59	17.00
5240MHz	Pass	2.00	14.05	13.92	16.94	17.00
5745MHz	Pass	2.00	11.30	10.82	13.95	30.00
5785MHz	Pass	2.00	10.68	11.05	13.78	30.00
5825MHz	Pass	2.00	10.47	10.27	13.29	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	2.00	-4.12	-4.13	-1.19	17.00
5775MHz	Pass	2.00	1.67	1.18	4.35	30.00

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

19/06/2019

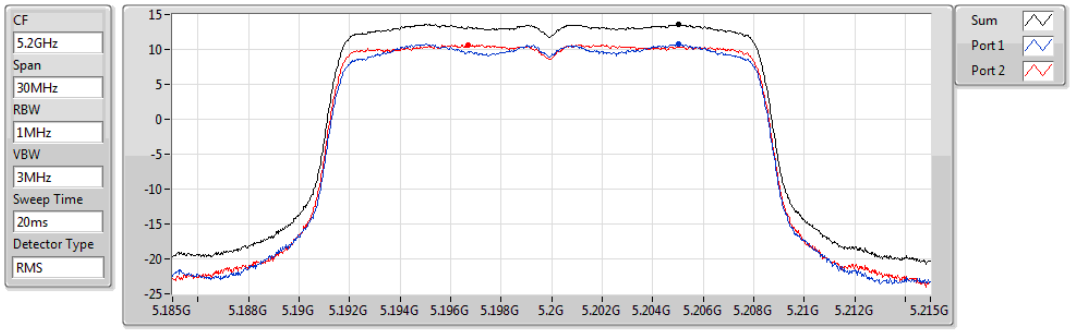


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.27	9.27	6.62	6.43

802.11a_Nss1,(6Mbps)_2TX PSD

5200MHz

19/06/2019

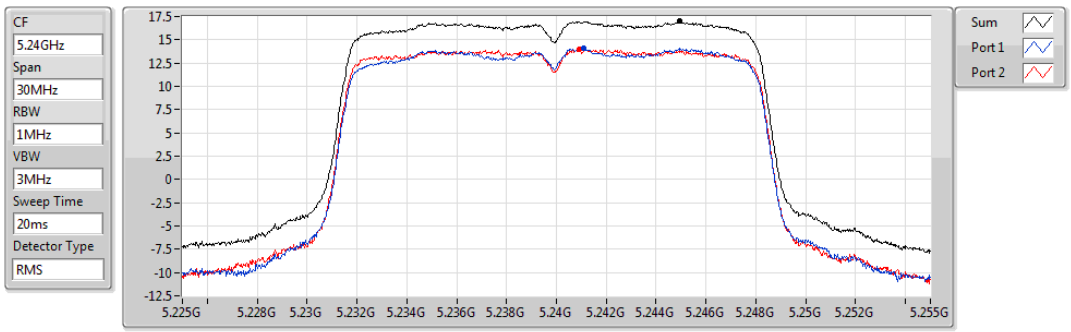


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.61	13.61	10.84	10.66

802.11a_Nss1,(6Mbps)_2TX PSD

5240MHz

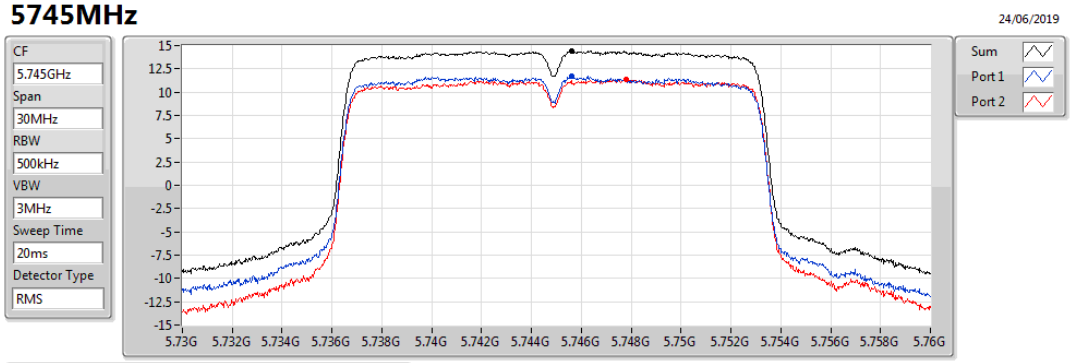
28/06/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.98	16.98	14.13	14.00

802.11a_Nss1,(6Mbps)_2TX PSD

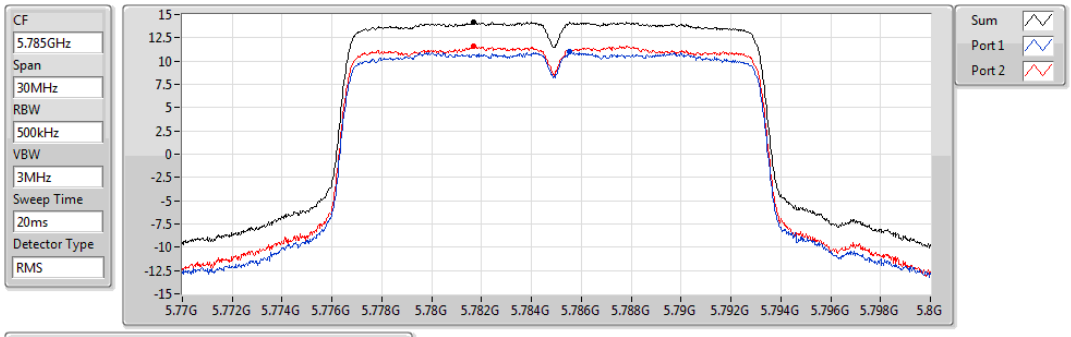
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.47	14.47	11.71	11.37

802.11a_Nss1,(6Mbps)_2TX PSD

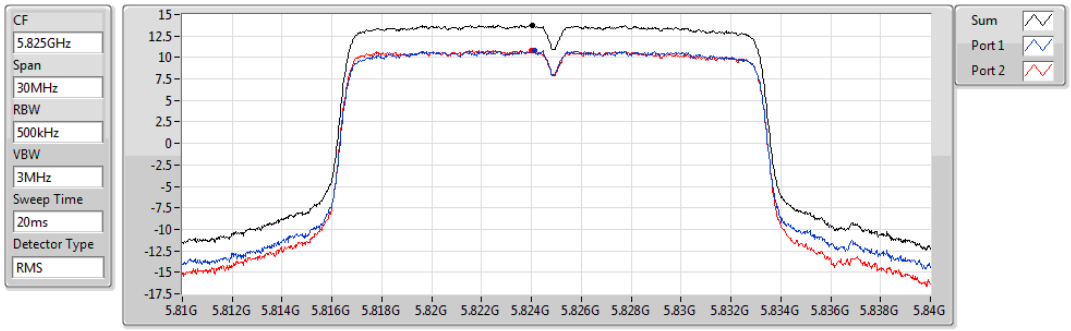
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.18	14.18	11.04	11.64

802.11a_Nss1,(6Mbps)_2TX PSD

5825MHz

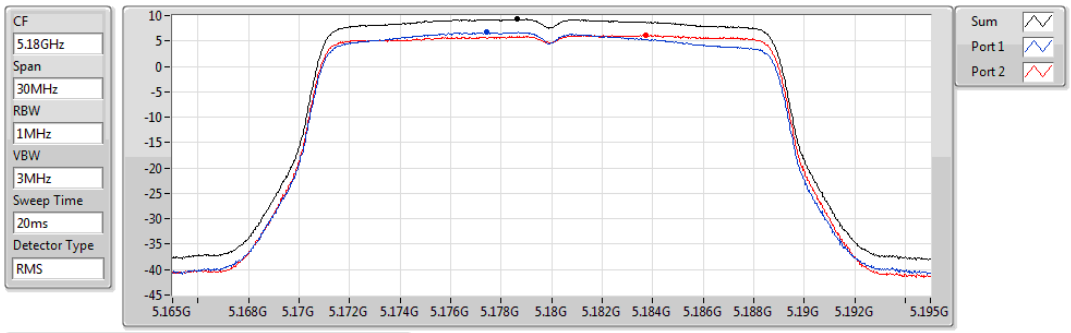


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.77	13.77	10.76	10.87

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5180MHz

19/06/2019

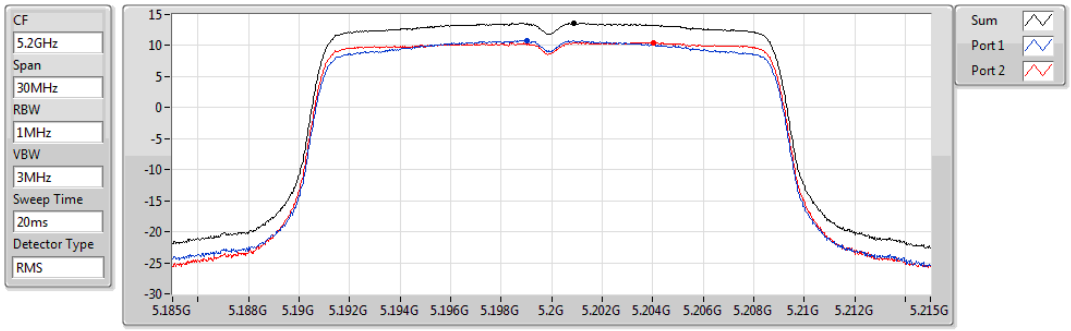


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.30	9.30	6.71	6.11

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5200MHz

19/06/2019

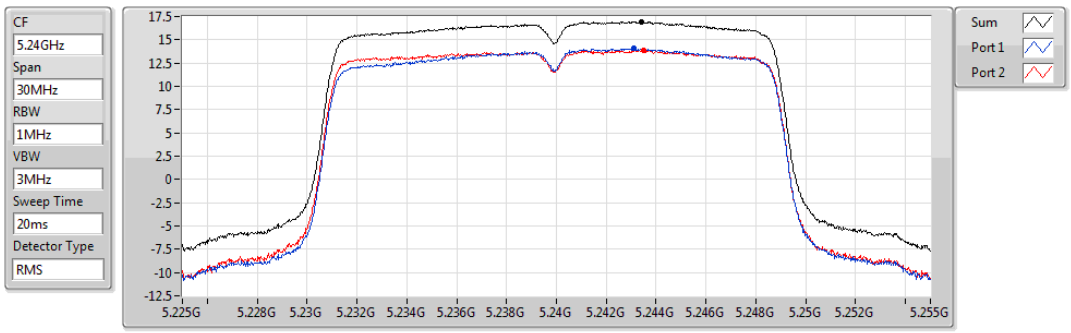


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.59	13.59	10.82	10.47

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5240MHz

28/06/2019

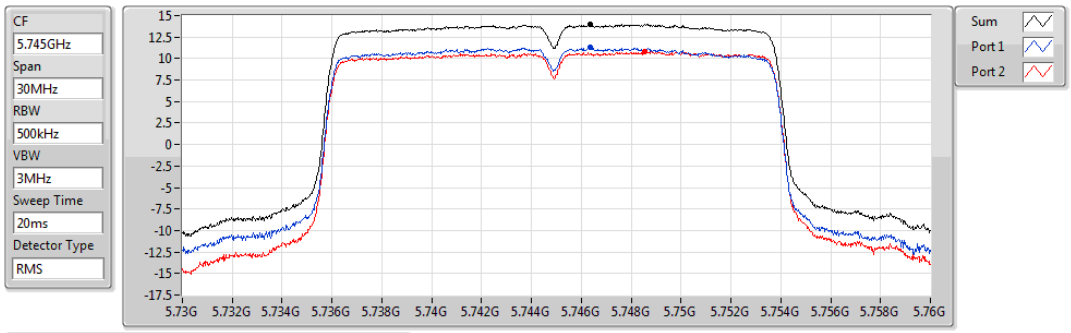


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.94	16.94	14.05	13.92

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5745MHz

24/06/2019

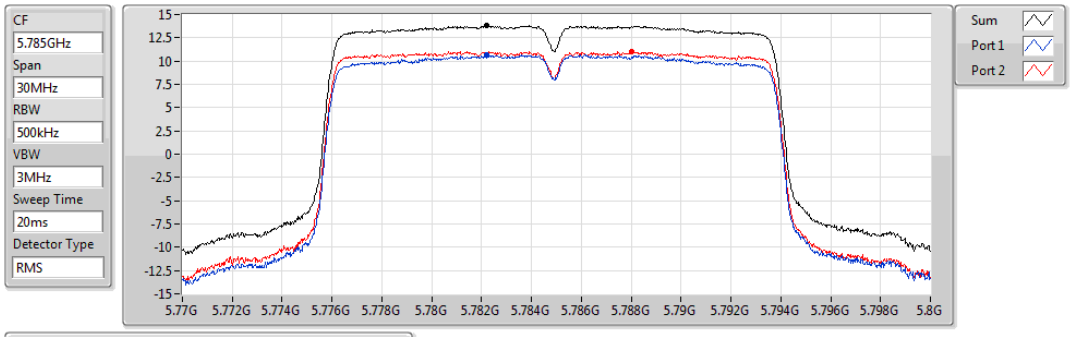


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.95	13.95	11.30	10.82

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5785MHz

24/06/2019

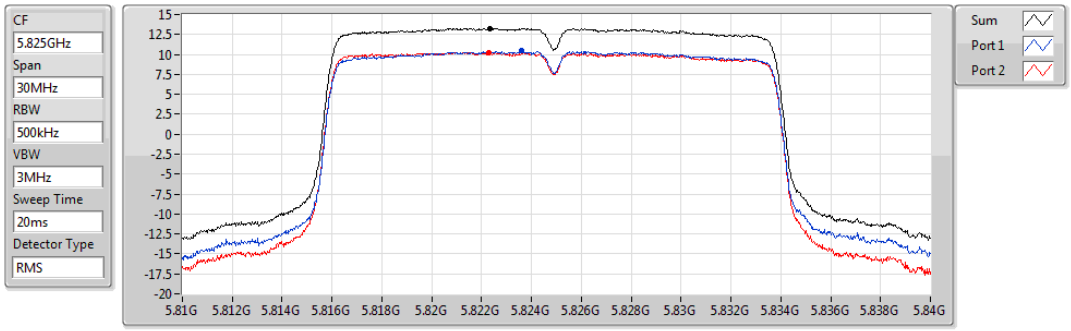


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.78	13.78	10.68	11.05

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5825MHz

24/06/2019

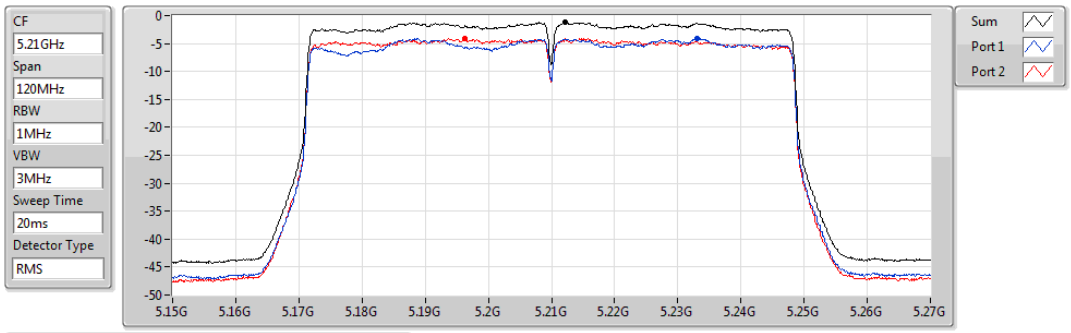


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.29	13.29	10.47	10.27

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5210MHz

19/06/2019

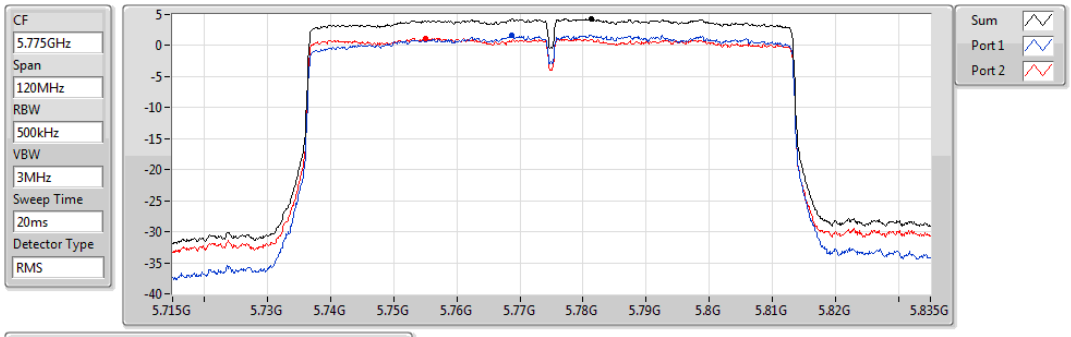


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.19	-1.19	-4.12	-4.13

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz

19/06/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.35	4.35	1.67	1.18

For Test Mode 5:
For Band 1
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	-1.05
802.11ac VHT20_Nss1,(MCS0)_2TX	-0.64
802.11ac VHT80_Nss1,(MCS0)_2TX	-11.47

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

Result

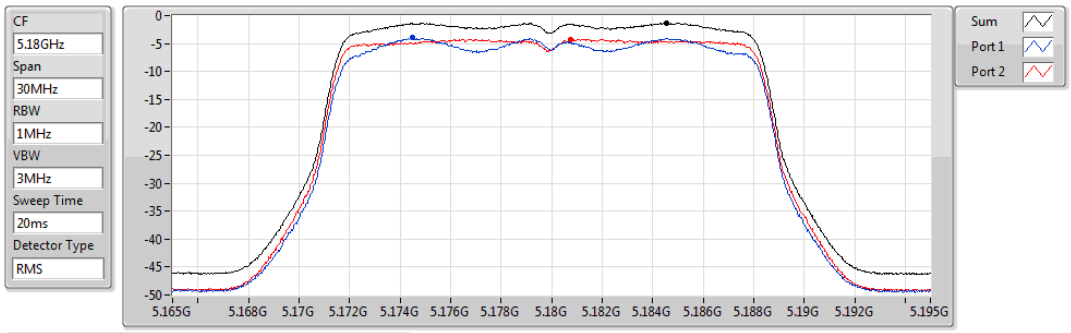
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	19.00	-3.99	-4.23	-1.34	17.00
5200MHz	Pass	19.00	-4.09	-4.20	-1.34	17.00
5240MHz	Pass	19.00	-3.96	-4.02	-1.05	17.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	19.00	-4.12	-4.57	-1.41	17.00
5200MHz	Pass	19.00	-4.20	-4.42	-1.31	17.00
5240MHz	Pass	19.00	-3.58	-3.67	-0.64	17.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	19.00	-14.35	-14.27	-11.47	17.00

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

19/06/2019

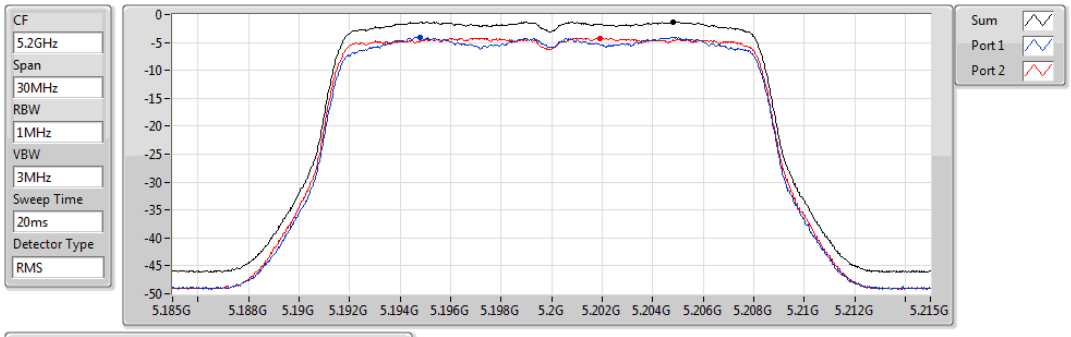


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.34	-1.34	-3.99	-4.23

802.11a_Nss1,(6Mbps)_2TX PSD

5200MHz

19/06/2019

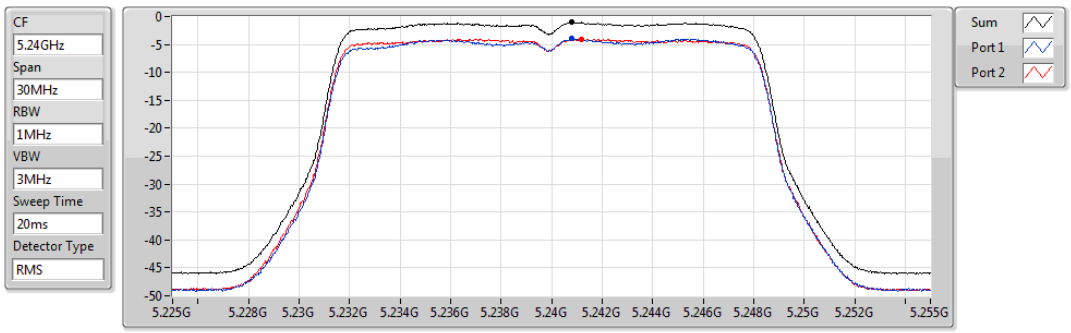


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.34	-1.34	-4.09	-4.20

802.11a_Nss1,(6Mbps)_2TX PSD

5240MHz

19/06/2019

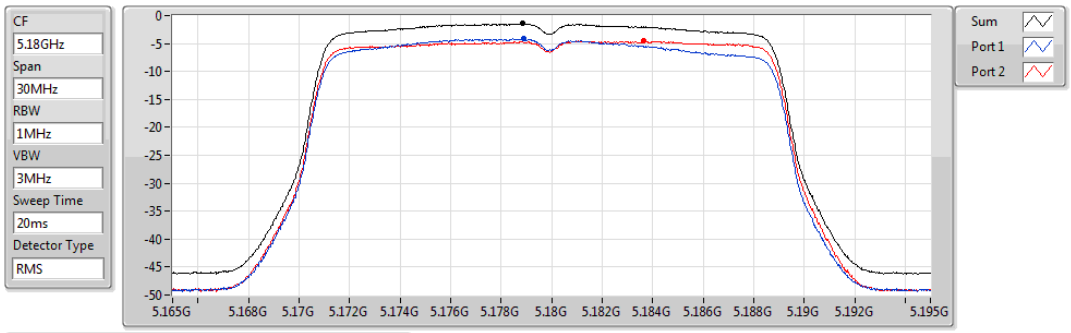


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.05	-1.05	-3.96	-4.02

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5180MHz

19/06/2019

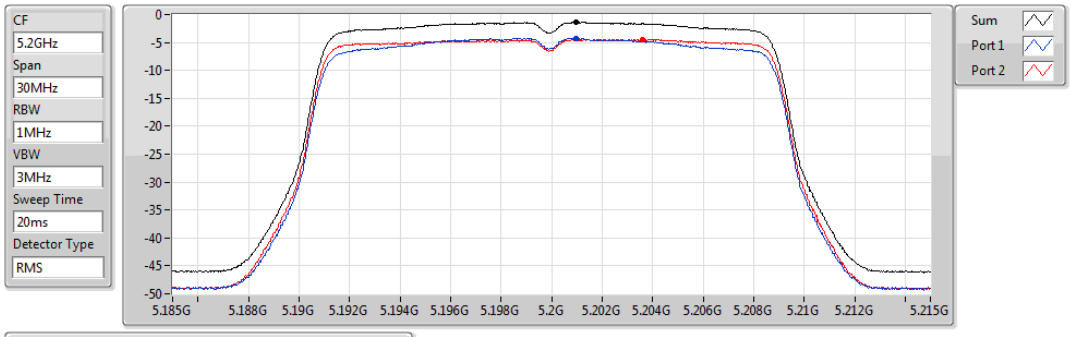


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.41	-1.41	-4.12	-4.57

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5200MHz

19/06/2019

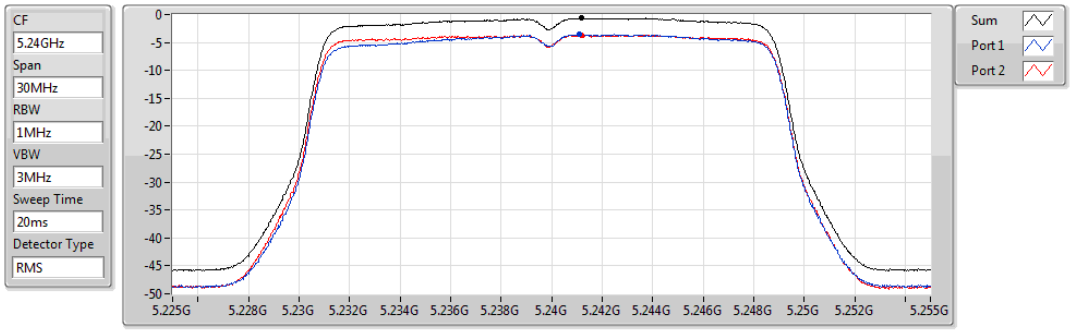


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.31	-1.31	-4.20	-4.42

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5240MHz

19/06/2019

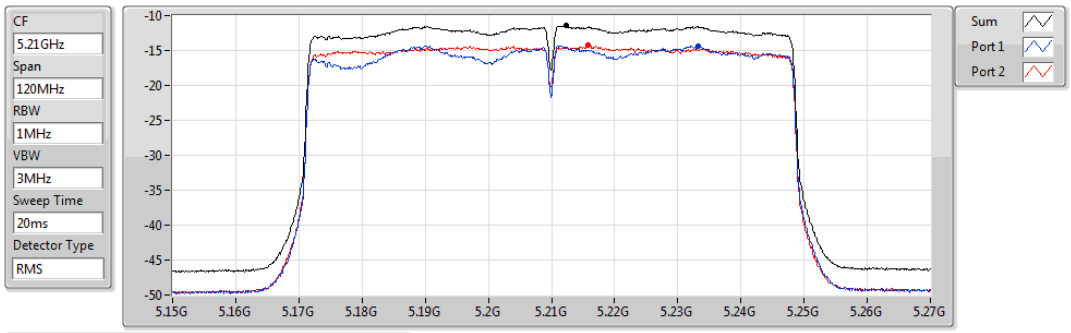


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.64	-0.64	-3.58	-3.67

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

5210MHz

19/06/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.47	-11.47	-14.35	-14.27

For Test Mode 5:
For Band 4
Summary

Mode	PD (dBm/RBW)
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.49
802.11ac VHT20_Nss1,(MCS0)_2TX	8.24
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.50

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

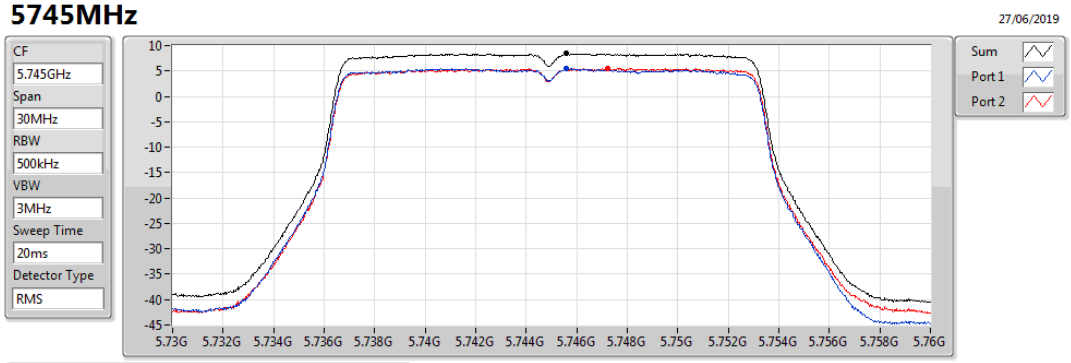
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	19.00	5.52	5.48	8.49	30.00
5785MHz	Pass	19.00	4.52	4.63	7.49	30.00
5825MHz	Pass	19.00	2.48	2.57	5.43	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	19.00	5.29	5.30	8.24	30.00
5785MHz	Pass	19.00	4.52	4.33	7.36	30.00
5825MHz	Pass	19.00	2.31	2.18	5.16	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	19.00	-7.93	-6.94	-4.50	30.00

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

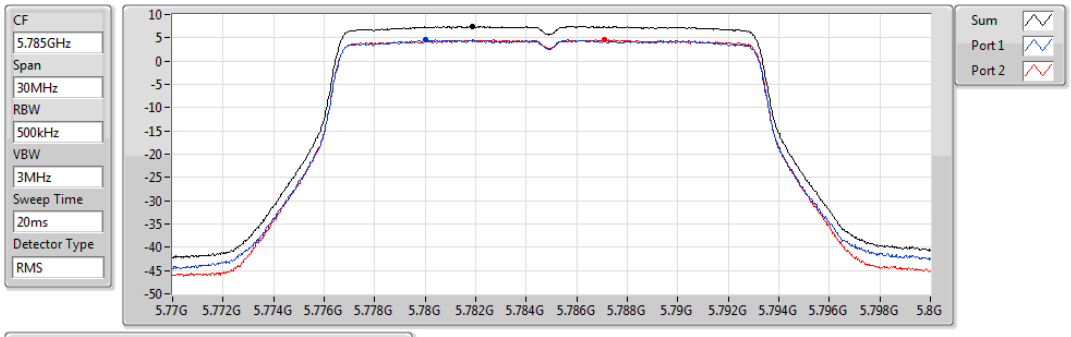
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.49	8.49	5.52	5.48

802.11a_Nss1,(6Mbps)_2TX PSD

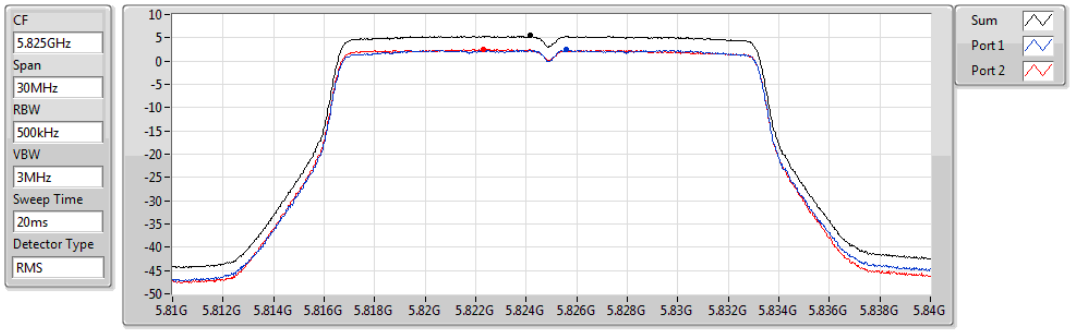
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.49	7.49	4.52	4.63

802.11a_Nss1,(6Mbps)_2TX PSD

5825MHz

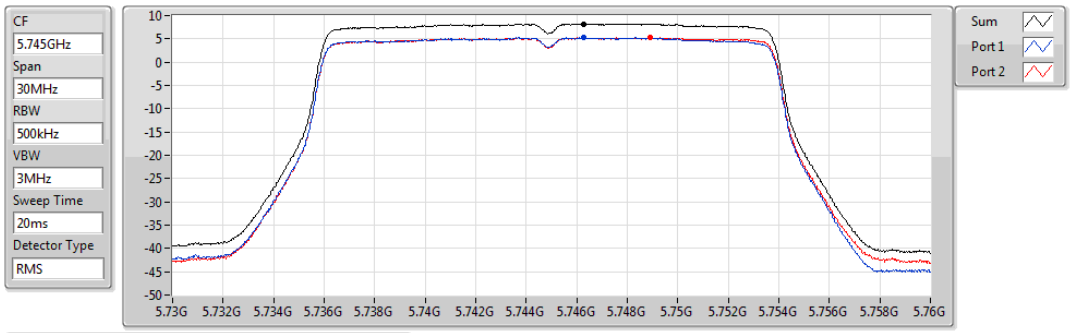


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.43	5.43	2.48	2.57

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5745MHz

27/06/2019

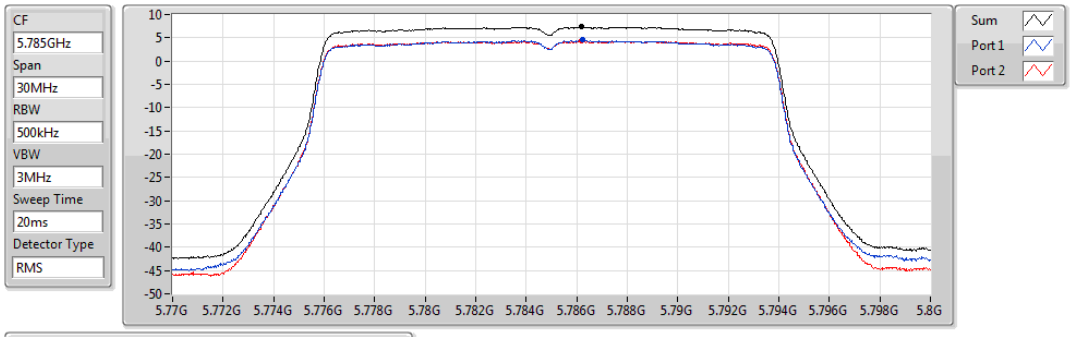


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.24	8.24	5.29	5.30

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5785MHz

27/06/2019

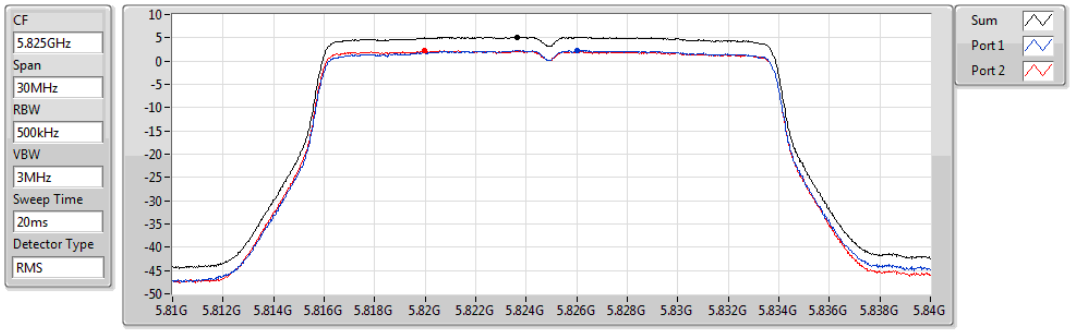


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.36	7.36	4.52	4.33

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5825MHz

27/06/2019

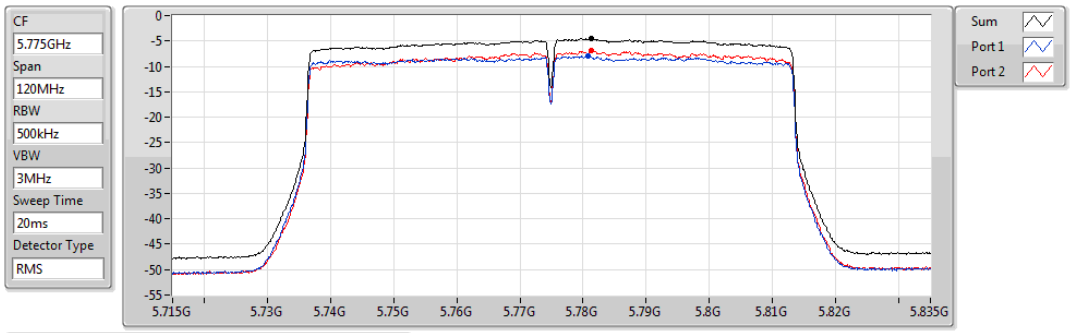


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	2.31	2.18

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

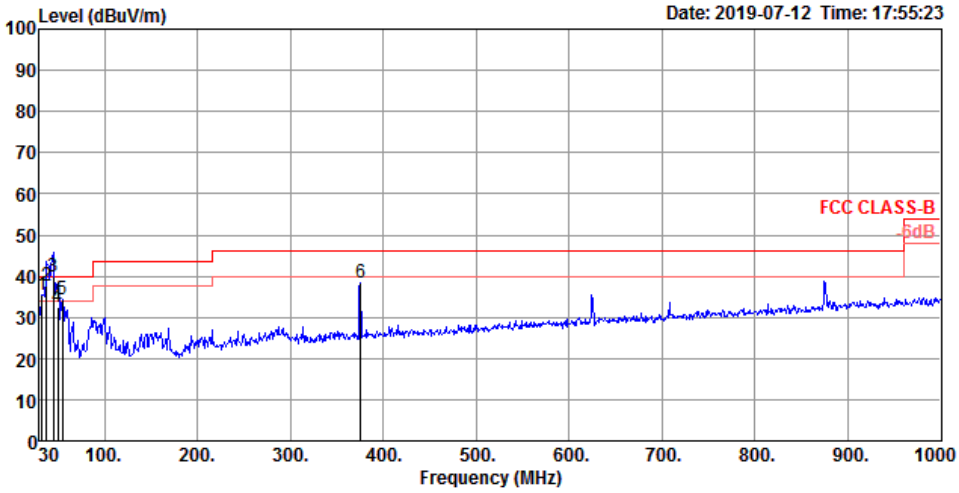
5775MHz

27/06/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.50	-4.50	-7.93	-6.94

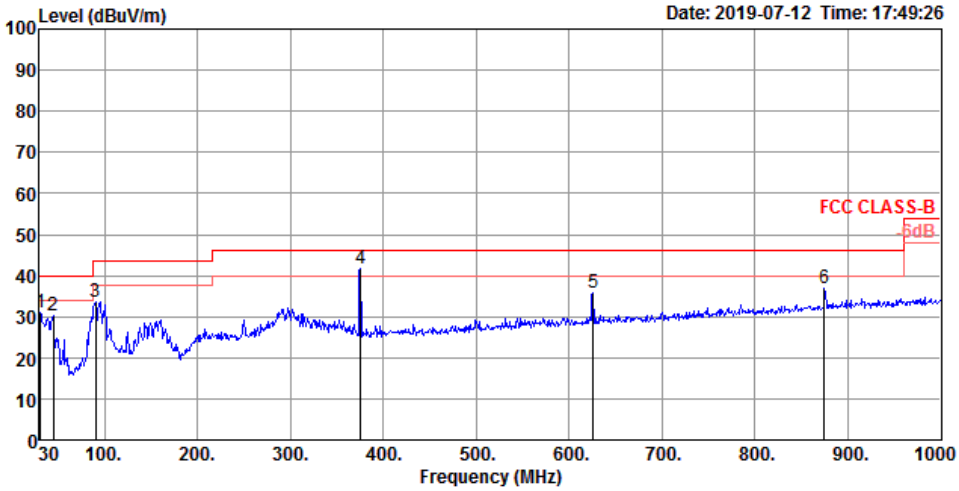
RSE below 1GHz Result			
Operating Mode	4	**Polarization**	Vertical
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	32.91	35.41	40.00	-4.59	42.22	0.72	23.99	31.52	100	356	Peak	VERTICAL
2	37.76	37.55	40.00	-2.45	47.19	0.80	21.06	31.50	100	349	QP	VERTICAL
3	44.55	39.71	40.00	-0.29	53.16	0.89	17.25	31.59	100	298	QP	VERTICAL
4	49.40	32.50	40.00	-7.50	48.21	0.92	15.09	31.72	100	356	QP	VERTICAL
5	54.25	34.22	40.00	-5.78	51.26	0.92	13.83	31.79	100	358	Peak	VERTICAL
6	375.32	38.23	46.00	-7.77	46.01	2.51	21.88	32.17	150	303	Peak	VERTICAL

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

RSE below 1GHz Result			
Operating Mode	4	**Polarization**	Horizontal
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.97	31.11	40.00	-8.89	36.87	0.69	25.11	31.56	300	213	Peak	HORIZONTAL
2	44.55	30.35	40.00	-9.65	43.80	0.89	17.25	31.59	150	227	Peak	HORIZONTAL
3	90.14	33.53	43.50	-9.97	48.93	1.24	15.26	31.90	300	266	Peak	HORIZONTAL
4	375.32	41.79	46.00	-4.21	49.57	2.51	21.88	32.17	100	133	Peak	HORIZONTAL
5	625.58	35.64	46.00	-10.36	39.58	3.28	25.21	32.43	125	155	Peak	HORIZONTAL
6	874.87	36.74	46.00	-9.26	37.72	3.92	27.50	32.40	200	173	Peak	HORIZONTAL

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

For Test Mode 1:
1GHz~8GHz
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	1G	5.15G	AV	5.14896G	2.00	-45.98	-47.17	-43.52	-41.52	-41.20	-0.32
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	1G	5.15G	AV	5.14896G	2.00	-46.37	-46.15	-43.25	-41.25	-41.20	-0.05
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	1G	5.15G	AV	5.14585G	2.00	-46.88	-46.37	-43.61	-41.61	-41.20	-0.41
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	1G	5.15G	AV	1.61939G	2.00	-56.11	-55.84	-52.96	-50.96	-41.20	-9.76
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	5.46G	8G	AV	7.38024G	2.00	-52.86	-53.03	-49.93	-47.93	-41.20	-6.73
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	1G	8G	PK	5.6445G	2.00	-32.76	-32.03	-29.37	-27.37	-27.00	-0.37

DG = Directional Gain;
PX=Port X; **Psum**=P1+.P2+...PX

Result

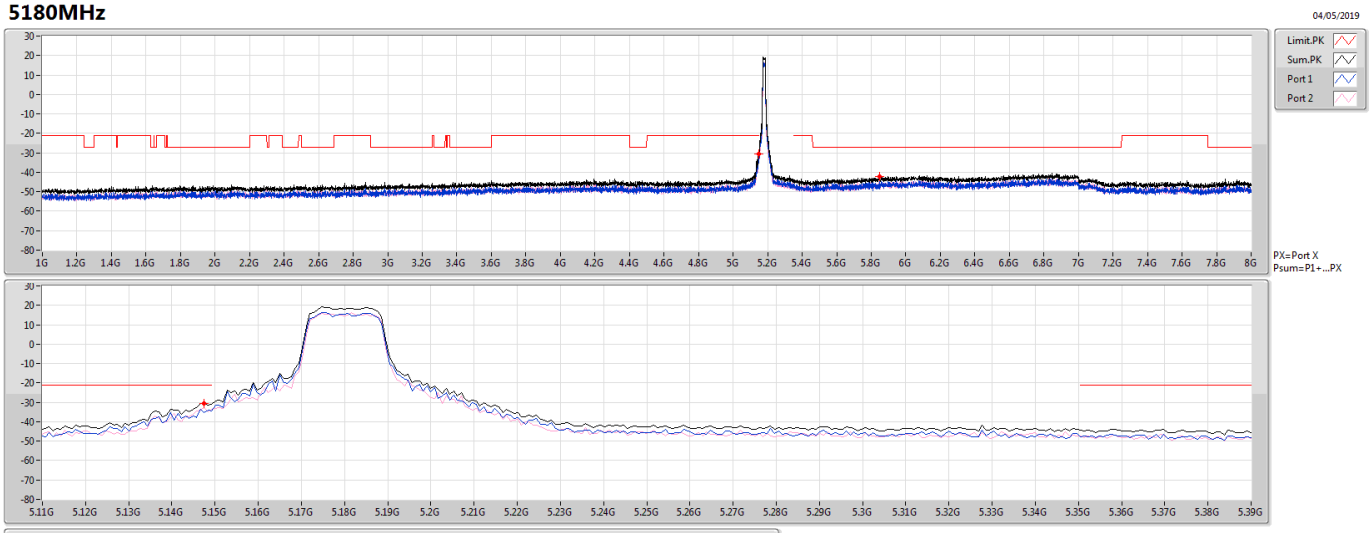
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.15G	AV	5.14896G	2.00	-45.98	-47.17	-43.52	-41.52	-41.20	-0.32
5180MHz	Pass	5.35G	5.46G	AV	5.35154G	2.00	-57.48	-57.93	-54.69	-52.69	-41.20	-11.49
5180MHz	Pass	5.46G	8G	AV	5.46G	2.00	-59.03	-58.86	-55.93	-53.93	-41.20	-12.73
5180MHz	Pass	1G	8G	PK	5.1475G	2.00	-35.16	-32.66	-30.72	-28.72	-21.20	-7.52
5180MHz	Pass	1G	8G	PK	5.84925G	2.00	-44.22	-46.30	-42.13	-40.13	-27.00	-13.13
5200MHz	Pass	1G	5.15G	AV	5.14896G	2.00	-46.68	-47.27	-43.95	-41.95	-41.20	-0.75
5200MHz	Pass	5.35G	5.46G	AV	5.3533G	2.00	-57.79	-58.03	-54.90	-52.90	-41.20	-11.70
5200MHz	Pass	5.46G	8G	AV	5.46G	2.00	-59.17	-58.77	-55.96	-53.96	-41.20	-12.76
5200MHz	Pass	1G	8G	PK	5.14925G	2.00	-34.21	-31.16	-29.41	-27.41	-21.20	-6.21
5200MHz	Pass	1G	8G	PK	5.9385G	2.00	-43.48	-45.72	-41.45	-39.45	-27.00	-12.45
5240MHz	Pass	1G	5.15G	AV	1.03424G	2.00	-47.71	-48.83	-45.22	-43.22	-41.20	-2.02
5240MHz	Pass	1G	5.15G	AV	5.14896G	2.00	-54.12	-54.52	-51.31	-49.31	-41.20	-8.11
5240MHz	Pass	5.35G	5.46G	AV	5.35066G	2.00	-57.33	-56.71	-54.00	-52.00	-41.20	-10.80
5240MHz	Pass	5.46G	8G	AV	5.46G	2.00	-58.93	-58.97	-55.94	-53.94	-41.20	-12.74
5240MHz	Pass	1G	8G	PK	1.035G	2.00	-36.57	-35.86	-33.19	-31.19	-21.20	-9.99
5240MHz	Pass	1G	8G	PK	5.1475G	2.00	-40.25	-39.92	-37.07	-35.07	-21.20	-13.87
5240MHz	Pass	1G	8G	PK	5.91663G	2.00	-45.31	-44.52	-41.89	-39.89	-27.00	-12.89
5745MHz	Pass	1G	5.15G	AV	1.5395G	2.00	-57.06	-55.85	-53.40	-51.40	-41.20	-10.20
5745MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-59.19	-58.87	-56.02	-54.02	-41.20	-12.82
5745MHz	Pass	5.35G	5.46G	AV	5.3929G	2.00	-58.47	-58.59	-55.52	-53.52	-41.20	-12.32
5745MHz	Pass	5.46G	8G	AV	7.29864G	2.00	-58.87	-59.33	-56.08	-54.08	-41.20	-12.88
5745MHz	Pass	1G	8G	PK	5.64975G	2.00	-47.94	-43.37	-42.07	-40.07	-27.00	-13.07
5745MHz	Pass	1G	8G	PK	5.96038G	2.00	-44.30	-44.60	-41.44	-39.44	-27.00	-12.44
5745MHz	Pass	1G	8G	PK	6.80475G	2.00	-43.56	-43.81	-40.67	-38.67	-27.00	-11.67
5785MHz	Pass	1G	5.15G	AV	1.57996G	2.00	-56.25	-56.10	-53.16	-51.16	-41.20	-9.96
5785MHz	Pass	1G	5.15G	AV	5.13755G	2.00	-58.33	-58.54	-55.42	-53.42	-41.20	-12.22
5785MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-58.80	-58.68	-55.73	-53.73	-41.20	-12.53
5785MHz	Pass	5.35G	5.46G	AV	5.43206G	2.00	-58.52	-58.58	-55.54	-53.54	-41.20	-12.34
5785MHz	Pass	5.46G	8G	AV	5.46G	2.00	-59.02	-59.03	-56.01	-54.01	-41.20	-12.81
5785MHz	Pass	1G	8G	PK	5.5115G	2.00	-45.44	-48.00	-43.52	-41.52	-27.00	-14.52
5785MHz	Pass	1G	8G	PK	5.93675G	2.00	-42.51	-45.13	-40.62	-38.62	-27.00	-11.62
5825MHz	Pass	1G	5.15G	AV	1.61939G	2.00	-56.11	-55.84	-52.96	-50.96	-41.20	-9.76
5825MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-58.88	-58.70	-55.78	-53.78	-41.20	-12.58
5825MHz	Pass	5.35G	5.46G	AV	5.45505G	2.00	-58.70	-58.16	-55.41	-53.41	-41.20	-12.21
5825MHz	Pass	5.46G	8G	AV	5.46G	2.00	-58.76	-58.62	-55.68	-53.68	-41.20	-12.48
5825MHz	Pass	1G	8G	PK	5.60425G	2.00	-47.43	-45.62	-43.42	-41.42	-27.00	-14.42
5825MHz	Pass	1G	8G	PK	5.92888G	2.00	-45.19	-44.33	-41.73	-39.73	-27.00	-12.73
5825MHz	Pass	1G	8G	PK	6.99025G	2.00	-43.76	-43.17	-40.44	-38.44	-27.00	-11.44
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.15G	AV	5.14896G	2.00	-46.37	-46.15	-43.25	-41.25	-41.20	-0.05
5180MHz	Pass	5.35G	5.46G	AV	5.35099G	2.00	-53.48	-53.74	-50.60	-48.60	-41.20	-7.40
5180MHz	Pass	5.46G	8G	AV	7.3885G	2.00	-53.15	-52.95	-50.04	-48.04	-41.20	-6.84
5180MHz	Pass	1G	8G	PK	5.14838G	2.00	-32.37	-33.46	-29.87	-27.87	-21.20	-6.67
5180MHz	Pass	1G	8G	PK	5.92625G	2.00	-42.94	-39.92	-38.16	-36.16	-27.00	-9.16
5200MHz	Pass	1G	5.15G	AV	5.14896G	2.00	-46.83	-47.51	-44.15	-42.15	-41.20	-0.95
5200MHz	Pass	5.35G	5.46G	AV	5.35033G	2.00	-53.40	-53.52	-50.45	-48.45	-41.20	-7.25
5200MHz	Pass	5.46G	8G	AV	7.38532G	2.00	-52.93	-52.98	-49.94	-47.94	-41.20	-6.74
5200MHz	Pass	1G	8G	PK	5.14925G	2.00	-33.45	-30.72	-28.86	-26.86	-21.20	-5.66
5200MHz	Pass	1G	8G	PK	5.73725G	2.00	-41.66	-40.44	-38.00	-36.00	-27.00	-9.00
5240MHz	Pass	1G	5.15G	AV	1.03424G	2.00	-48.36	-48.01	-45.17	-43.17	-41.20	-1.97
5240MHz	Pass	1G	5.15G	AV	5.14896G	2.00	-49.81	-50.35	-47.06	-45.06	-41.20	-3.86
5240MHz	Pass	5.35G	5.46G	AV	5.35132G	2.00	-52.52	-52.70	-49.60	-47.60	-41.20	-6.40

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5240MHz	Pass	5.46G	8G	AV	7.38564G	2.00	-53.04	-53.07	-50.04	-48.04	-41.20	-6.84
5240MHz	Pass	1G	8G	PK	5.144G	2.00	-34.12	-34.97	-31.51	-29.51	-21.20	-8.31
5240MHz	Pass	1G	8G	PK	5.93413G	2.00	-39.74	-42.79	-37.99	-35.99	-27.00	-8.99
5240MHz	Pass	1G	8G	PK	6.999G	2.00	-39.95	-40.18	-37.05	-35.05	-27.00	-8.05
5745MHz	Pass	1G	5.15G	AV	5.09916G	2.00	-54.12	-54.28	-51.19	-49.19	-41.20	-7.99
5745MHz	Pass	5.15G	5.35G	AV	5.35G	2.00	-54.86	-54.82	-51.83	-49.83	-41.20	-8.63
5745MHz	Pass	5.35G	5.46G	AV	5.37365G	2.00	-54.45	-54.30	-51.36	-49.36	-41.20	-8.16
5745MHz	Pass	5.46G	8G	AV	7.38024G	2.00	-52.86	-53.03	-49.93	-47.93	-41.20	-6.73
5745MHz	Pass	1G	8G	PK	5.64363G	2.00	-42.08	-37.43	-36.15	-34.15	-27.00	-7.15
5745MHz	Pass	1G	8G	PK	5.942G	2.00	-40.75	-40.76	-37.74	-35.74	-27.00	-8.74
5785MHz	Pass	1G	5.15G	AV	1.57996G	2.00	-54.30	-53.32	-50.77	-48.77	-41.20	-7.57
5785MHz	Pass	1G	5.15G	AV	5.0836G	2.00	-54.25	-54.12	-51.17	-49.17	-41.20	-7.97
5785MHz	Pass	5.15G	5.35G	AV	5.35G	2.00	-54.85	-54.53	-51.68	-49.68	-41.20	-8.48
5785MHz	Pass	5.35G	5.46G	AV	5.45791G	2.00	-54.22	-54.53	-51.36	-49.36	-41.20	-8.16
5785MHz	Pass	5.46G	8G	AV	7.38183G	2.00	-53.02	-52.96	-49.98	-47.98	-41.20	-6.78
5785MHz	Pass	1G	8G	PK	5.64363G	2.00	-43.63	-41.71	-39.55	-37.55	-27.00	-10.55
5785MHz	Pass	1G	8G	PK	5.9315G	2.00	-40.48	-41.85	-38.10	-36.10	-27.00	-9.10
5785MHz	Pass	1G	8G	PK	6.59913G	2.00	-38.96	-40.51	-36.66	-34.66	-27.00	-7.66
5825MHz	Pass	1G	5.15G	AV	1.61939G	2.00	-53.61	-52.83	-50.19	-48.19	-41.20	-6.99
5825MHz	Pass	1G	5.15G	AV	5.08464G	2.00	-54.15	-54.00	-51.06	-49.06	-41.20	-7.86
5825MHz	Pass	5.15G	5.35G	AV	5.35G	2.00	-54.87	-54.63	-51.74	-49.74	-41.20	-8.54
5825MHz	Pass	5.35G	5.46G	AV	5.45252G	2.00	-54.53	-54.10	-51.30	-49.30	-41.20	-8.10
5825MHz	Pass	5.46G	8G	AV	7.38691G	2.00	-52.99	-53.05	-50.01	-48.01	-41.20	-6.81
5825MHz	Pass	1G	8G	PK	5.52288G	2.00	-41.73	-42.80	-39.22	-37.22	-27.00	-10.22
5825MHz	Pass	1G	8G	PK	5.928G	2.00	-41.86	-38.61	-36.93	-34.93	-27.00	-7.93
5825MHz	Pass	1G	8G	PK	6.96225G	2.00	-38.33	-41.25	-36.54	-34.54	-27.00	-7.54
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	5.15G	AV	5.14585G	2.00	-46.88	-46.37	-43.61	-41.61	-41.20	-0.41
5210MHz	Pass	5.35G	5.46G	AV	5.3511G	2.00	-51.48	-51.70	-48.58	-46.58	-41.20	-5.38
5210MHz	Pass	5.46G	8G	AV	7.38151G	2.00	-52.67	-52.59	-49.62	-47.62	-41.20	-6.42
5210MHz	Pass	1G	8G	PK	5.14488G	2.00	-35.71	-34.85	-32.25	-30.25	-21.20	-9.05
5210MHz	Pass	1G	8G	PK	5.89038G	2.00	-40.89	-40.77	-37.82	-35.82	-27.00	-8.82
5210MHz	Pass	1G	8G	PK	6.98238G	2.00	-38.97	-39.88	-36.39	-34.39	-27.00	-7.39
5775MHz	Pass	1G	5.15G	AV	5.1002G	2.00	-53.88	-53.87	-50.86	-48.86	-41.20	-7.66
5775MHz	Pass	5.15G	5.35G	AV	5.35G	2.00	-54.36	-54.31	-51.32	-49.32	-41.20	-8.12
5775MHz	Pass	5.35G	5.46G	AV	5.36903G	2.00	-53.64	-54.52	-51.05	-49.05	-41.20	-7.85
5775MHz	Pass	5.46G	8G	AV	7.38532G	2.00	-52.56	-53.03	-49.78	-47.78	-41.20	-6.58
5775MHz	Pass	1G	8G	PK	5.6445G	2.00	-32.76	-32.03	-29.37	-27.37	-27.00	-0.37
5775MHz	Pass	1G	8G	PK	5.93238G	2.00	-32.06	-34.32	-30.03	-28.03	-27.00	-1.03

DG = Directional Gain;
PX=Port X; **Psum**=P1+.P2+...PX

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

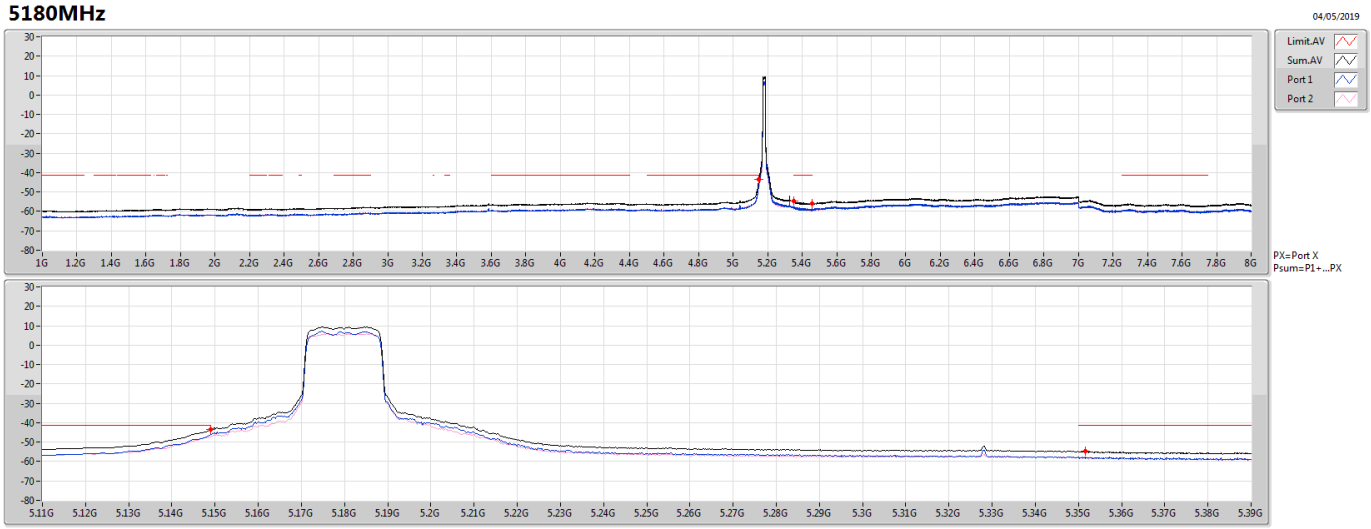
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.1475G	-28.72	-21.20	-7.52	2.00	0.00	-30.72	-35.16	-32.66
1G	8G	1M	PK	5.84925G	-40.13	-27.00	-13.13	2.00	0.00	-42.13	-44.22	-46.30

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

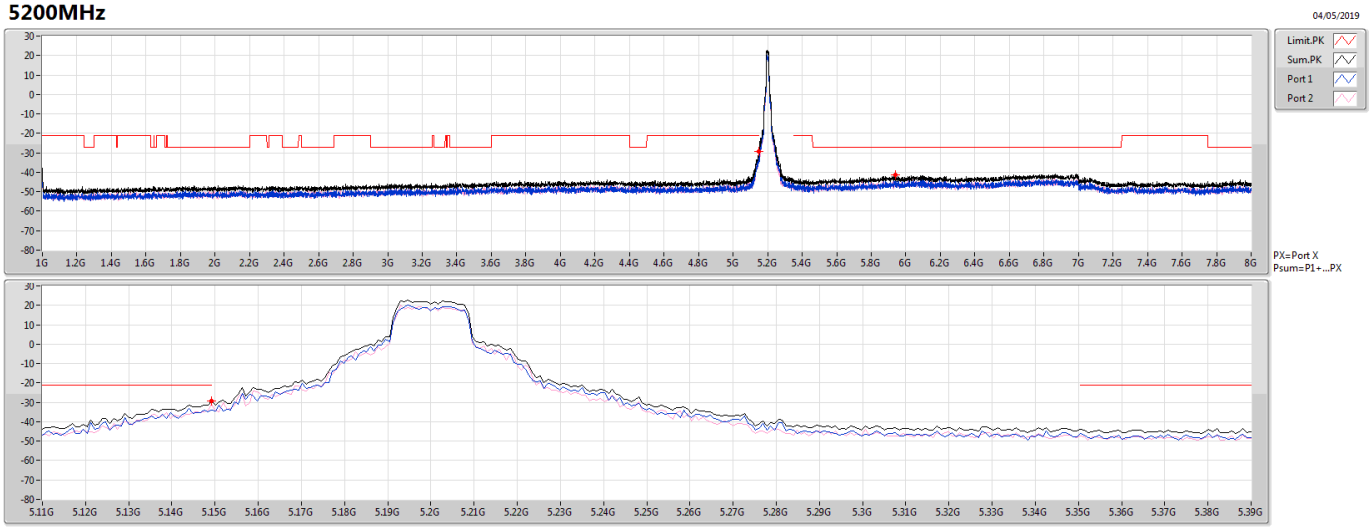
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.14896G	-41.52	-41.20	-0.32	2.00	0.00	-43.52	-45.98	-47.17
5.35G	5.46G	1M	AV	5.35154G	-52.69	-41.20	-11.49	2.00	0.00	-54.69	-57.48	-57.93
5.46G	8G	1M	AV	5.46G	-53.93	-41.20	-12.73	2.00	0.00	-55.93	-59.03	-58.86

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

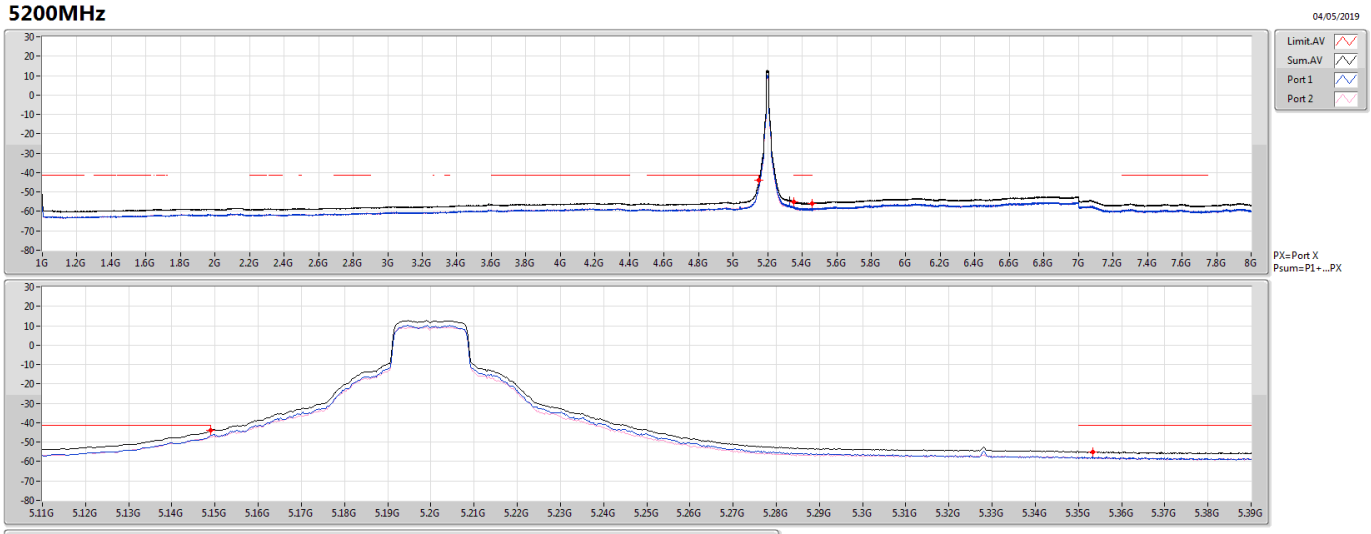
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.14925G	-27.41	-21.20	-6.21	2.00	0.00	-29.41	-34.21	-31.16
1G	8G	1M	PK	5.9385G	-39.45	-27.00	-12.45	2.00	0.00	-41.45	-43.48	-45.72

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

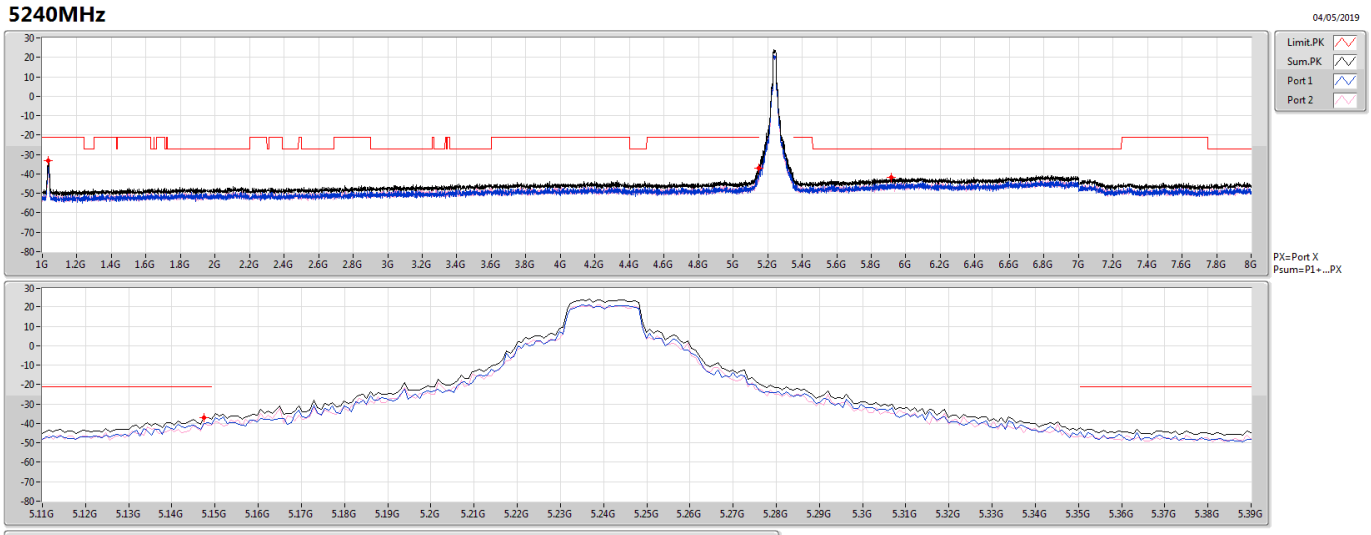
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.14896G	-41.95	-41.20	-0.75	2.00	0.00	-43.95	-46.68	-47.27
5.35G	5.46G	1M	AV	5.3533G	-52.90	-41.20	-11.70	2.00	0.00	-54.90	-57.79	-58.03
5.46G	8G	1M	AV	5.46G	-53.96	-41.20	-12.76	2.00	0.00	-55.96	-59.17	-58.77

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

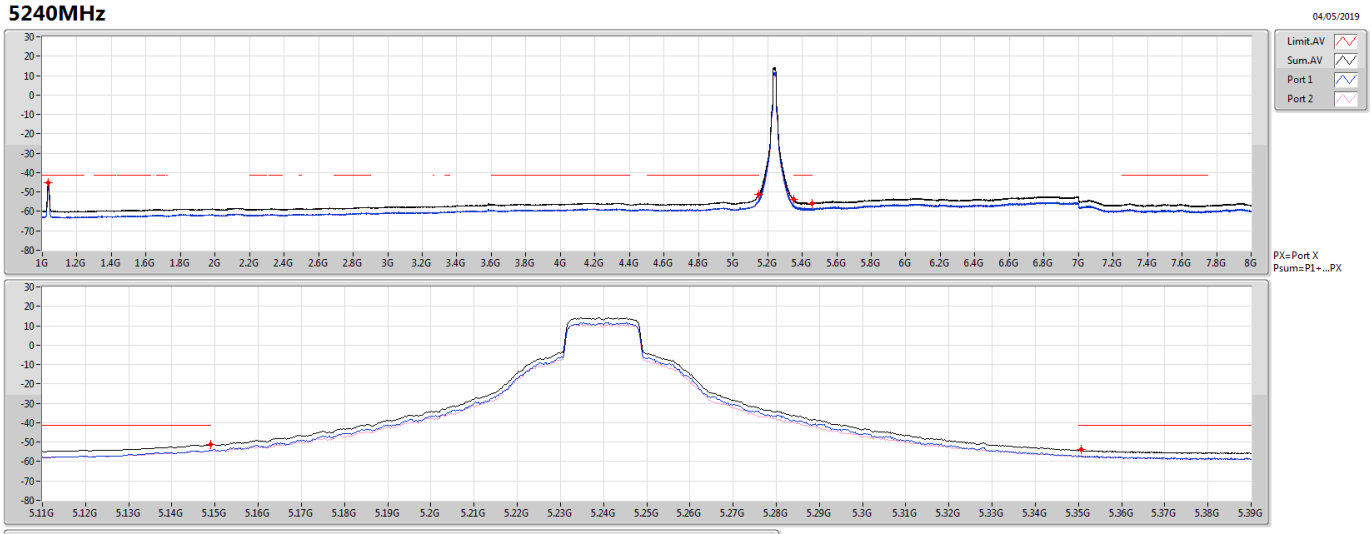
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	1.035G	-31.19	-21.20	-9.99	2.00	0.00	-33.19	-36.57	-35.86
1G	8G	1M	PK	5.1475G	-35.07	-21.20	-13.87	2.00	0.00	-37.07	-40.25	-39.92
1G	8G	1M	PK	5.91663G	-39.89	-27.00	-12.89	2.00	0.00	-41.89	-45.31	-44.52

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

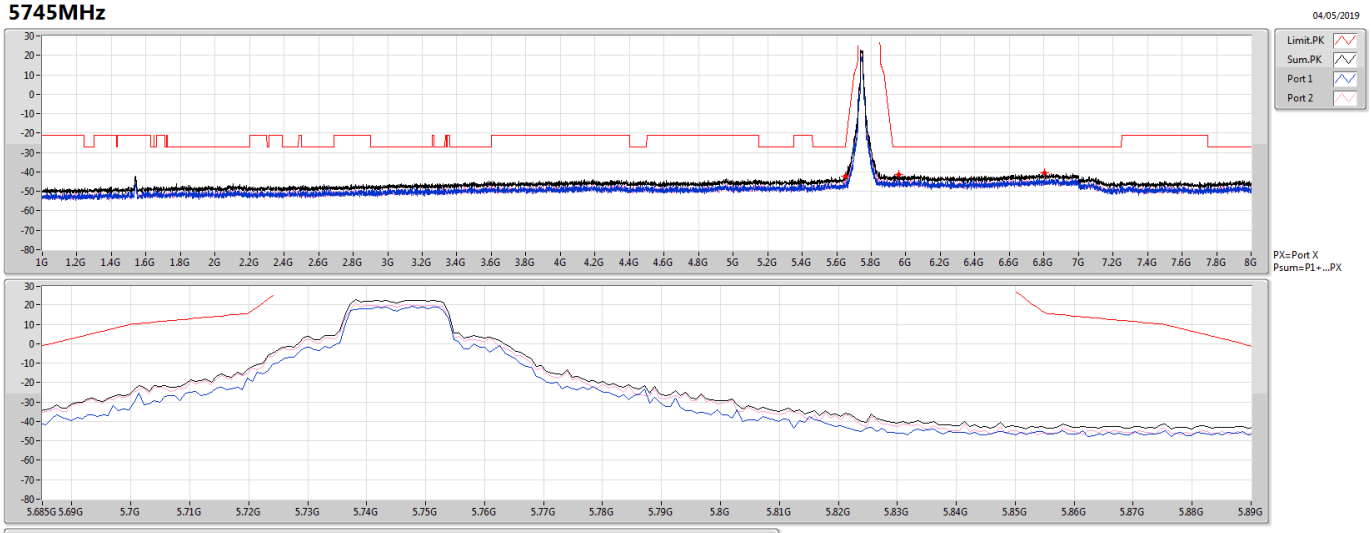
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	1.03424G	-43.22	-41.20	-2.02	2.00	0.00	-45.22	-47.71	-48.83
1G	5.15G	1M	AV	5.14896G	-49.31	-41.20	-8.11	2.00	0.00	-51.31	-54.12	-54.52
5.35G	5.46G	1M	AV	5.35066G	-52.00	-41.20	-10.80	2.00	0.00	-54.00	-57.33	-56.71
5.46G	8G	1M	AV	5.46G	-53.94	-41.20	-12.74	2.00	0.00	-55.94	-58.93	-58.97

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

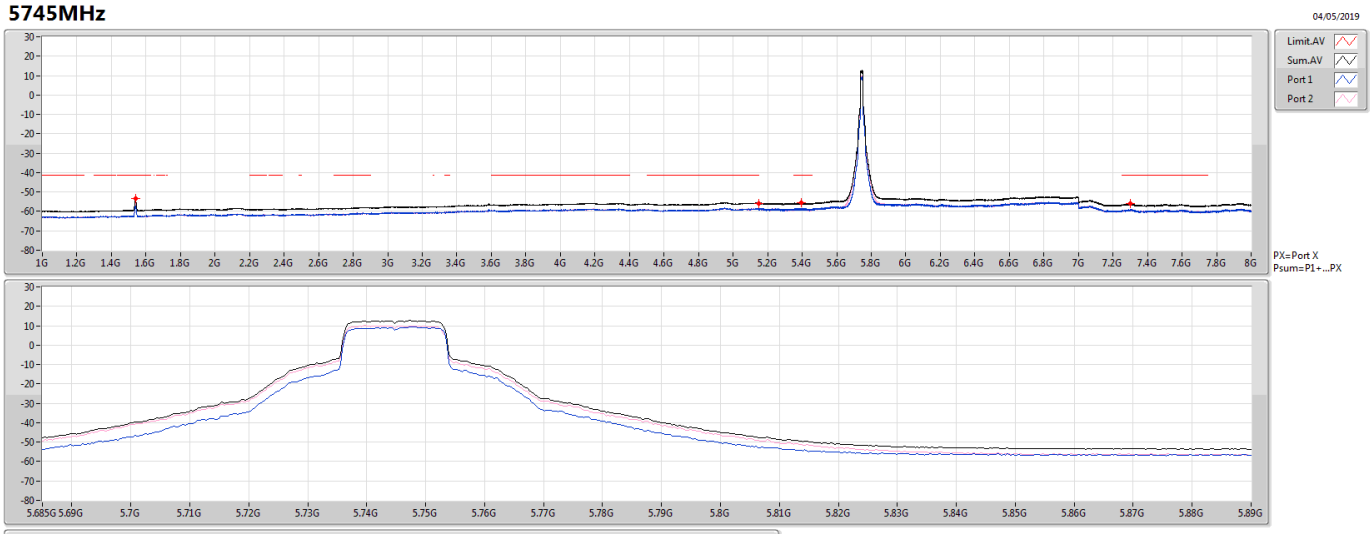
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.64975G	-40.07	-27.00	-13.07	2.00	0.00	-42.07	-47.94	-43.37
1G	8G	1M	PK	5.96038G	-39.44	-27.00	-12.44	2.00	0.00	-41.44	-44.30	-44.60
1G	8G	1M	PK	6.80475G	-38.67	-27.00	-11.67	2.00	0.00	-40.67	-43.56	-43.81

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

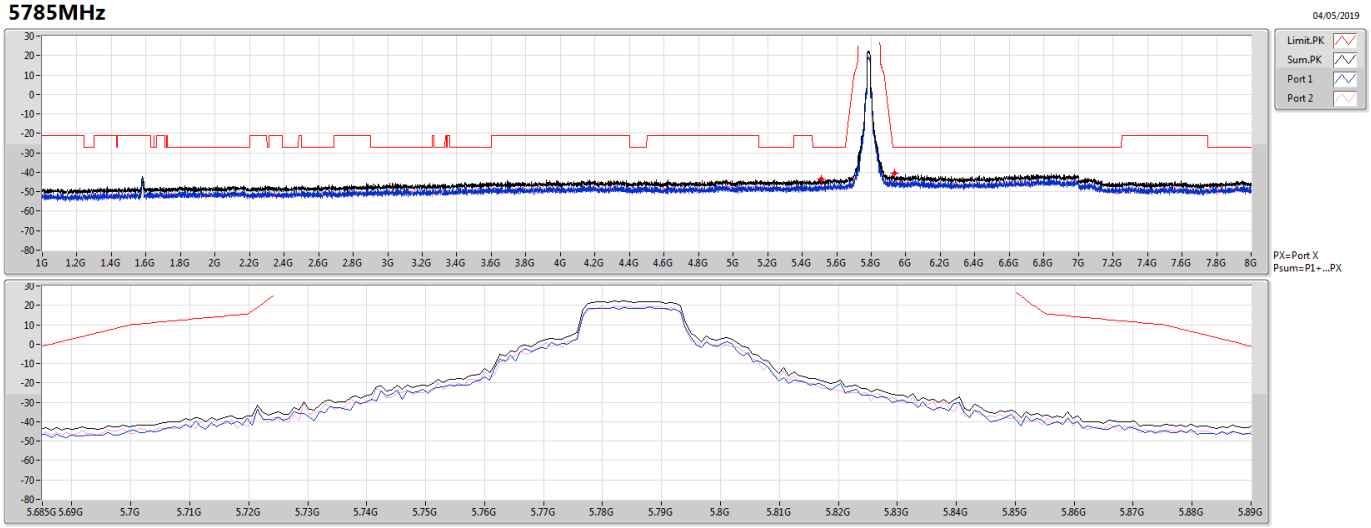
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	1.5395G	-51.40	-41.20	-10.20	2.00	0.00	-53.40	-57.06	-55.85
5.15G	5.35G	1M	AV	5.15G	-54.02	-41.20	-12.82	2.00	0.00	-56.02	-59.19	-58.87
5.35G	5.46G	1M	AV	5.3929G	-53.52	-41.20	-12.32	2.00	0.00	-55.52	-58.47	-58.59
5.46G	8G	1M	AV	7.29864G	-54.08	-41.20	-12.88	2.00	0.00	-56.08	-58.87	-59.33

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

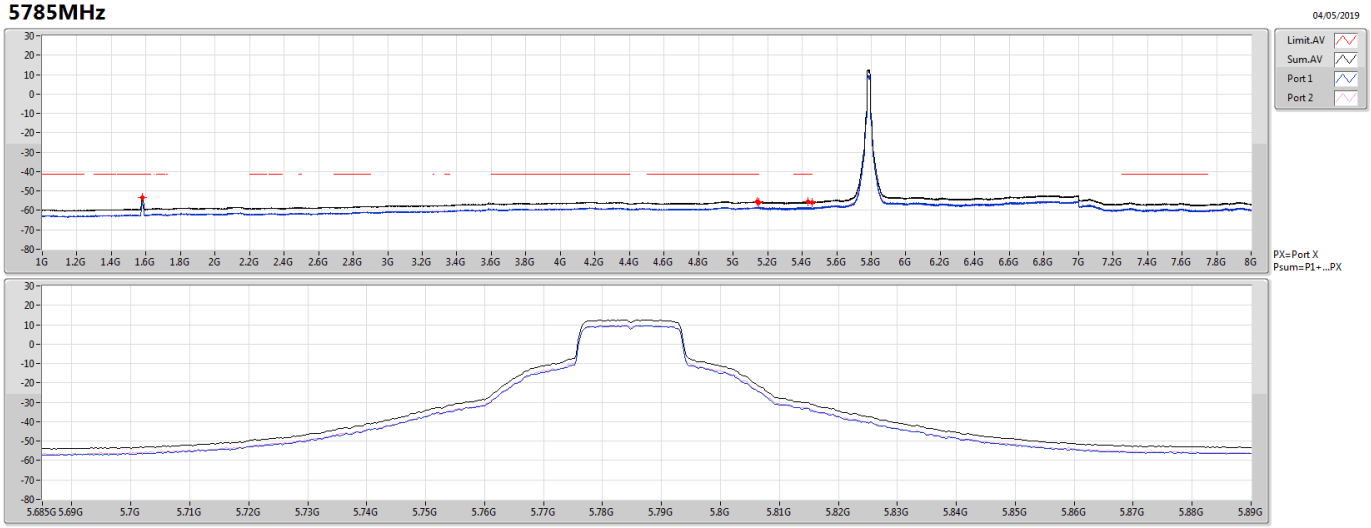
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.5115G	-41.52	-27.00	-14.52	2.00	0.00	-43.52	-45.44	-48.00
1G	8G	1M	PK	5.93675G	-38.62	-27.00	-11.62	2.00	0.00	-40.62	-42.51	-45.13

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

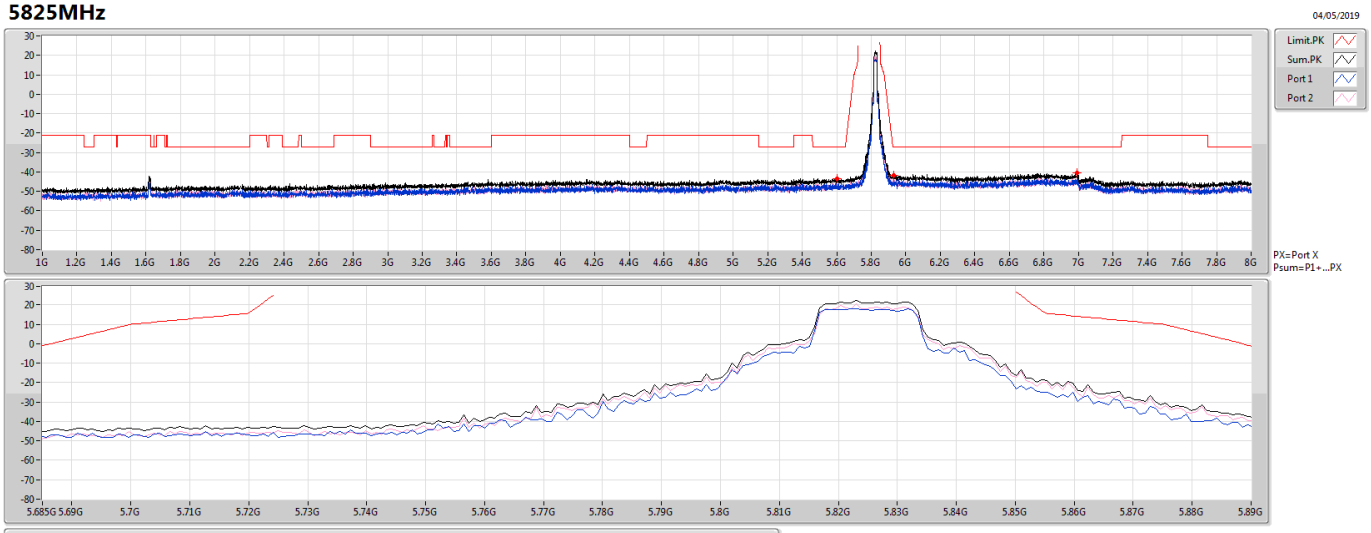
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	1.57996G	-51.16	-41.20	-9.96	2.00	0.00	-53.16	-56.25	-56.10
1G	5.15G	1M	AV	5.13755G	-53.42	-41.20	-12.22	2.00	0.00	-55.42	-58.33	-58.54
5.15G	5.35G	1M	AV	5.15G	-53.73	-41.20	-12.53	2.00	0.00	-55.73	-58.80	-58.68
5.35G	5.46G	1M	AV	5.43206G	-53.54	-41.20	-12.34	2.00	0.00	-55.54	-58.52	-58.58
5.46G	8G	1M	AV	5.46G	-54.01	-41.20	-12.81	2.00	0.00	-56.01	-59.02	-59.03

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

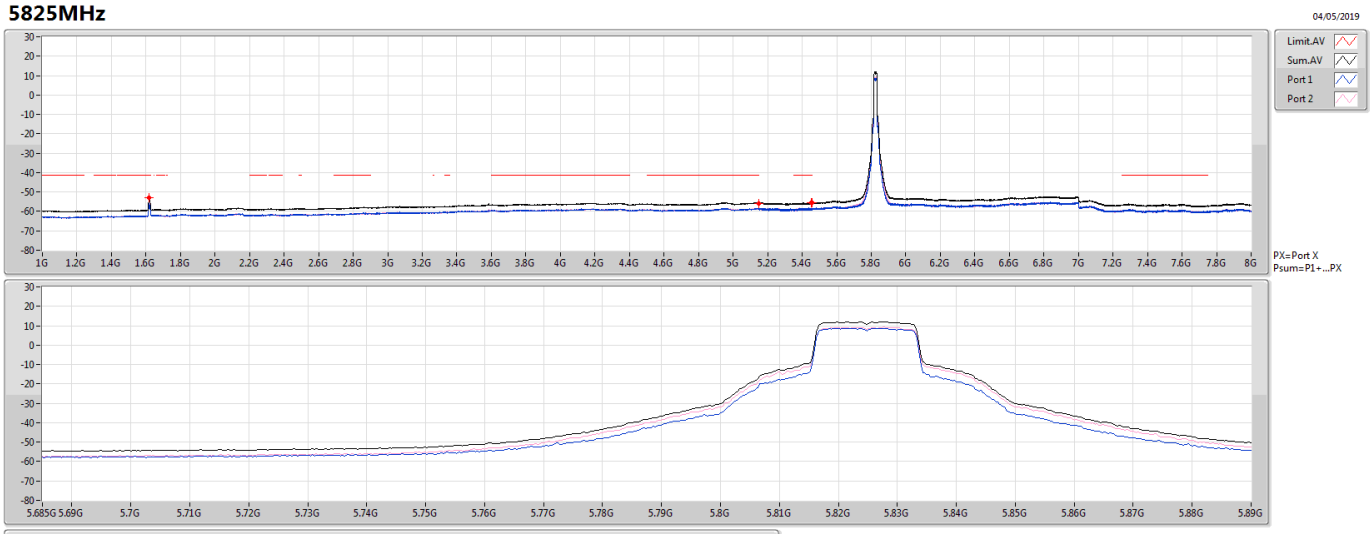
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.60425G	-41.42	-27.00	-14.42	2.00	0.00	-43.42	-47.43	-45.62
1G	8G	1M	PK	5.92888G	-39.73	-27.00	-12.73	2.00	0.00	-41.73	-45.19	-44.33
1G	8G	1M	PK	6.99025G	-38.44	-27.00	-11.44	2.00	0.00	-40.44	-43.76	-43.17

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

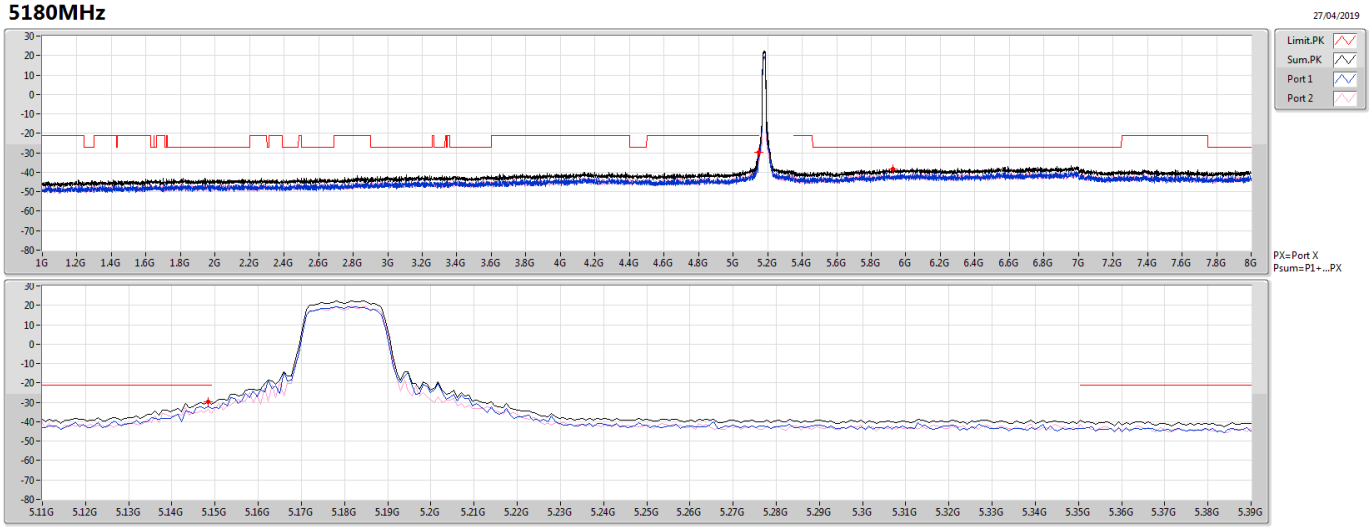
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	1.61939G	-50.96	-41.20	-9.76	2.00	0.00	-52.96	-56.11	-55.84
5.15G	5.35G	1M	AV	5.15G	-53.78	-41.20	-12.58	2.00	0.00	-55.78	-58.88	-58.70
5.35G	5.46G	1M	AV	5.45505G	-53.41	-41.20	-12.21	2.00	0.00	-55.41	-58.70	-58.16
5.46G	8G	1M	AV	5.46G	-53.68	-41.20	-12.48	2.00	0.00	-55.68	-58.76	-58.62

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

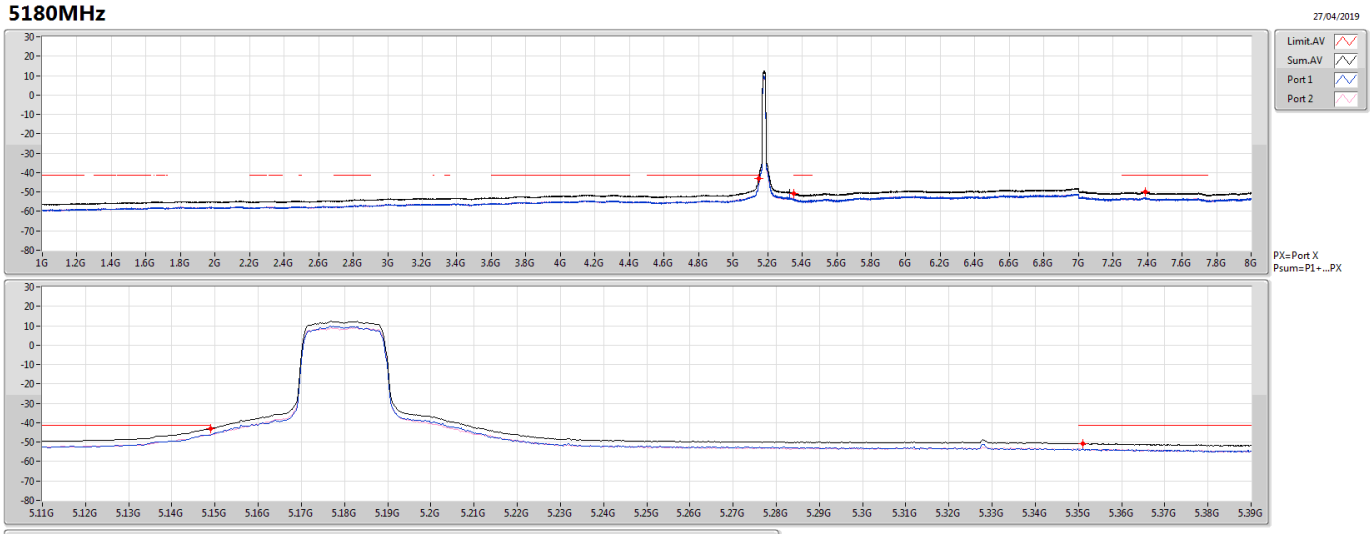
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.14838G	-27.87	-21.20	-6.67	2.00	0.00	-29.87	-32.37	-33.46
1G	8G	1M	PK	5.92625G	-36.16	-27.00	-9.16	2.00	0.00	-38.16	-42.94	-39.92

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

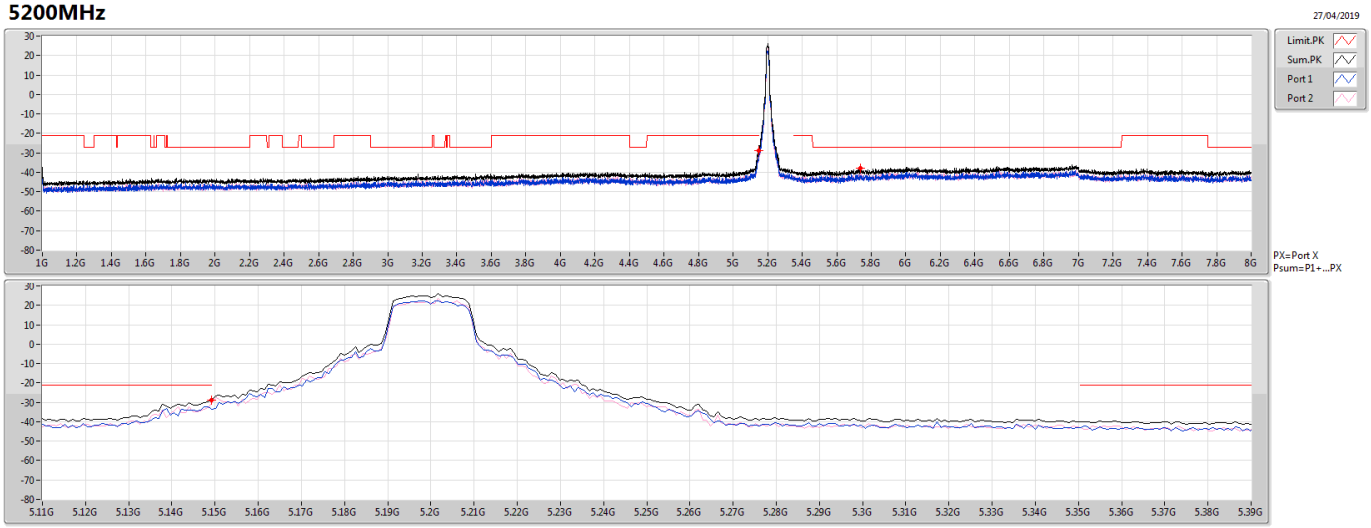
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.14896G	-41.25	-41.20	-0.05	2.00	0.00	-43.25	-46.37	-46.15
5.35G	5.46G	1M	AV	5.35099G	-48.60	-41.20	-7.40	2.00	0.00	-50.60	-53.48	-53.74
5.46G	8G	1M	AV	7.3885G	-48.04	-41.20	-6.84	2.00	0.00	-50.04	-53.15	-52.95

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

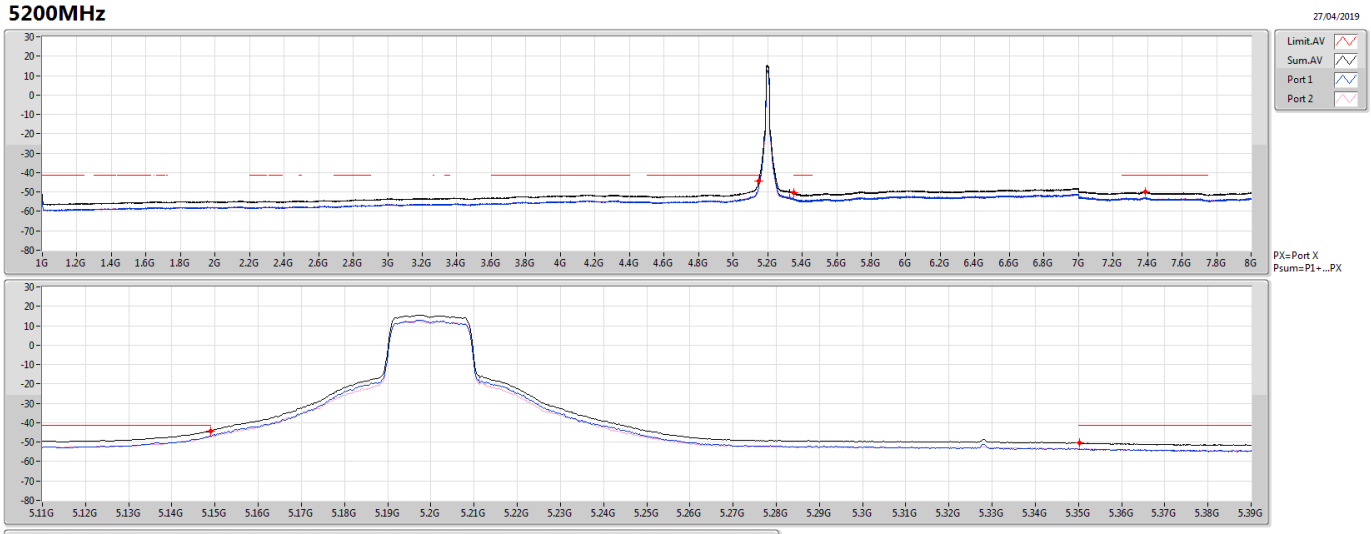
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.14925G	-26.86	-21.20	-5.66	2.00	0.00	-28.86	-33.45	-30.72
1G	8G	1M	PK	5.73725G	-36.00	-27.00	-9.00	2.00	0.00	-38.00	-41.66	-40.44

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

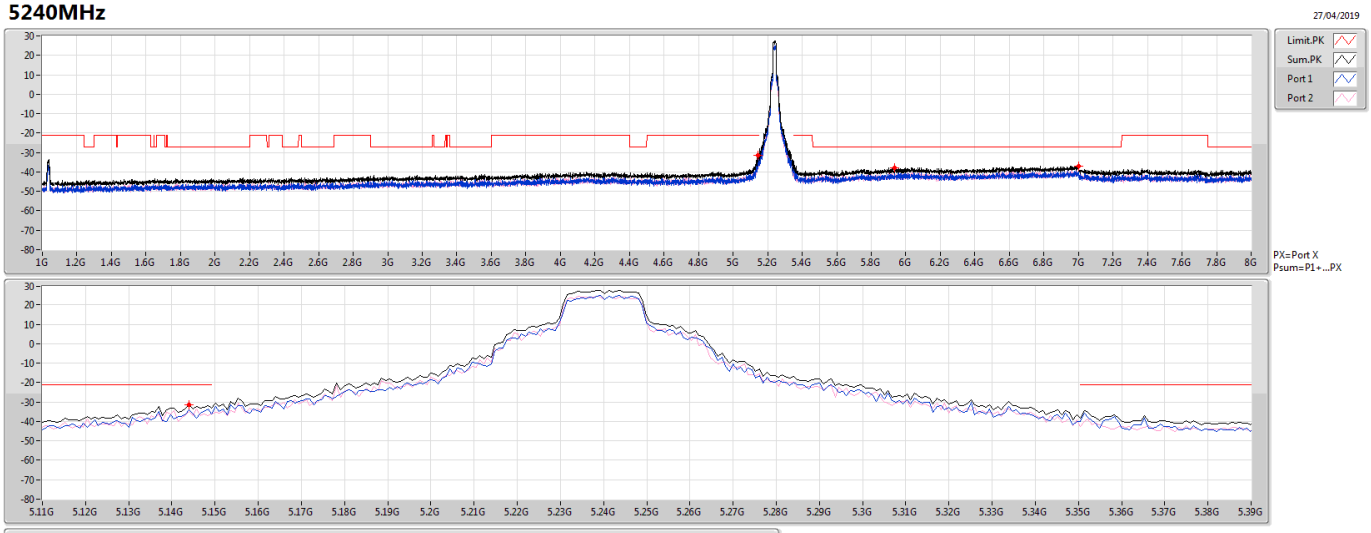
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.14896G	-42.15	-41.20	-0.95	2.00	0.00	-44.15	-46.83	-47.51
5.35G	5.46G	1M	AV	5.35033G	-48.45	-41.20	-7.25	2.00	0.00	-50.45	-53.40	-53.52
5.46G	8G	1M	AV	7.38532G	-47.94	-41.20	-6.74	2.00	0.00	-49.94	-52.93	-52.98

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

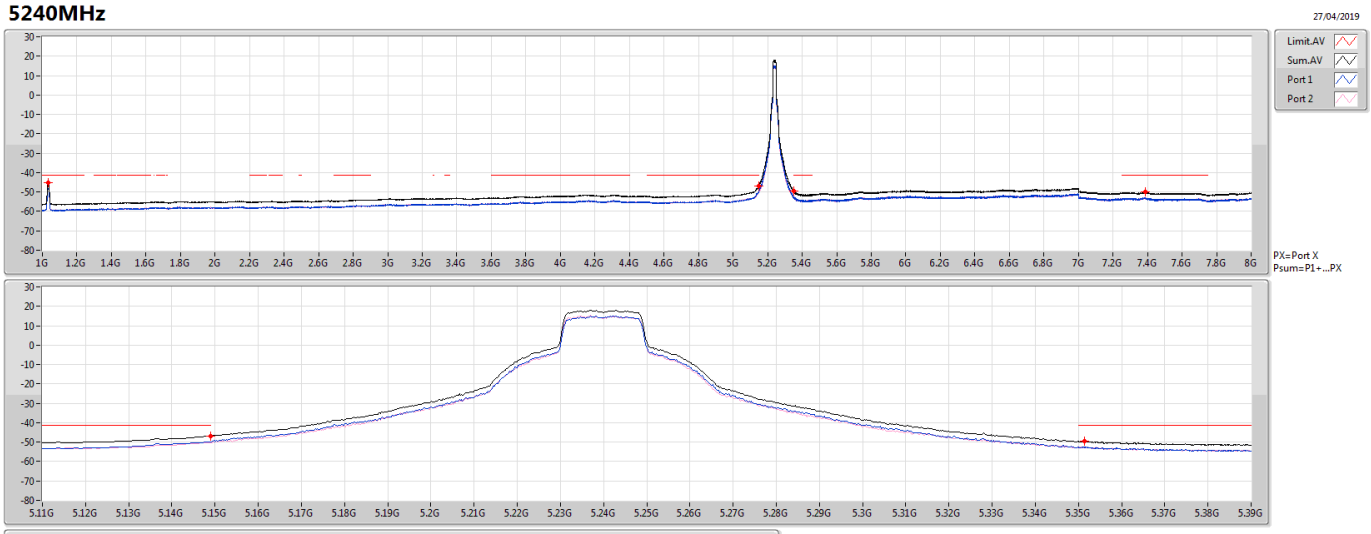
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.144G	-29.51	-21.20	-8.31	2.00	0.00	-31.51	-34.12	-34.97
1G	8G	1M	PK	5.93413G	-35.99	-27.00	-8.99	2.00	0.00	-37.99	-39.74	-42.79
1G	8G	1M	PK	6.999G	-35.05	-27.00	-8.05	2.00	0.00	-37.05	-39.95	-40.18

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

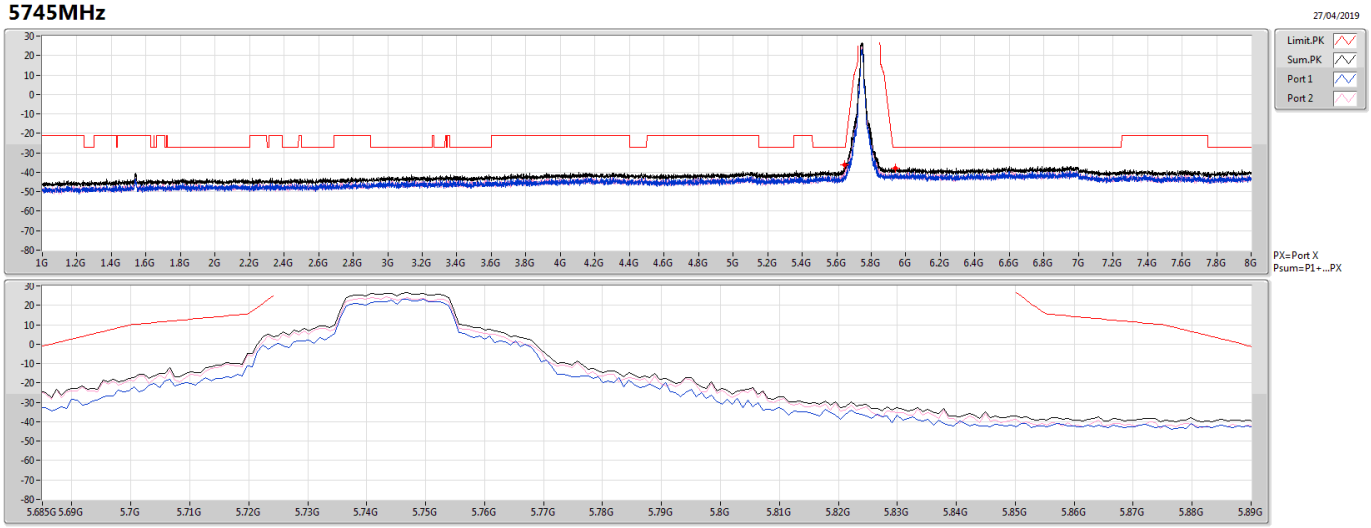
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	1.03424G	-43.17	-41.20	-1.97	2.00	0.00	-45.17	-48.36	-48.01
1G	5.15G	1M	AV	5.14896G	-45.06	-41.20	-3.86	2.00	0.00	-47.06	-49.81	-50.35
5.35G	5.46G	1M	AV	5.35132G	-47.60	-41.20	-6.40	2.00	0.00	-49.60	-52.52	-52.70
5.46G	8G	1M	AV	7.38564G	-48.04	-41.20	-6.84	2.00	0.00	-50.04	-53.04	-53.07

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

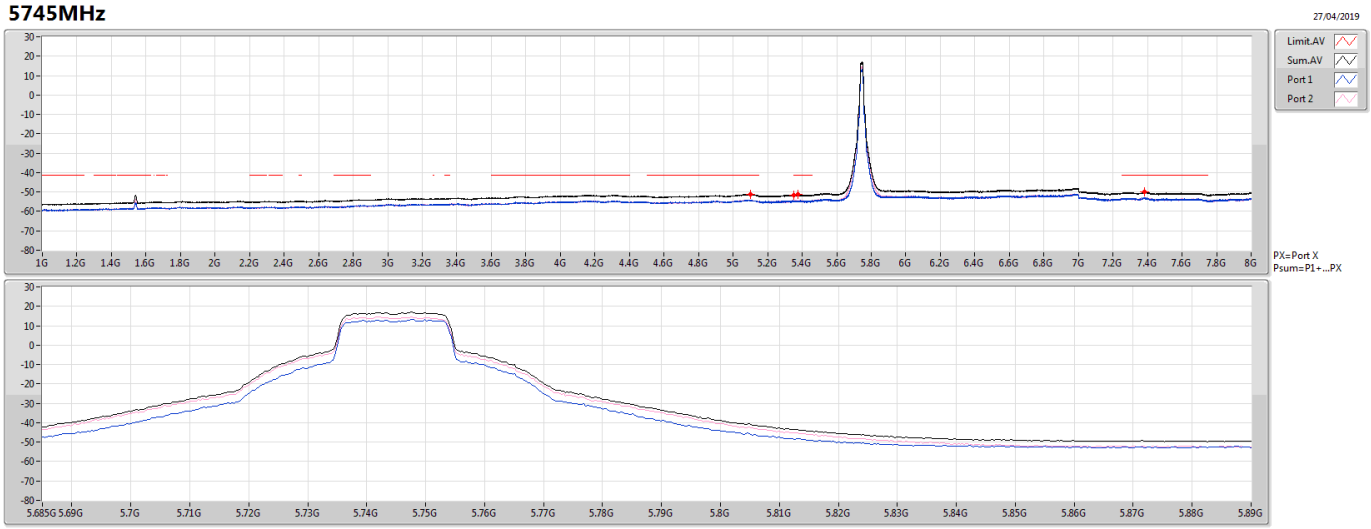
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.64363G	-34.15	-27.00	-7.15	2.00	0.00	-36.15	-42.08	-37.43
1G	8G	1M	PK	5.942G	-35.74	-27.00	-8.74	2.00	0.00	-37.74	-40.75	-40.76

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

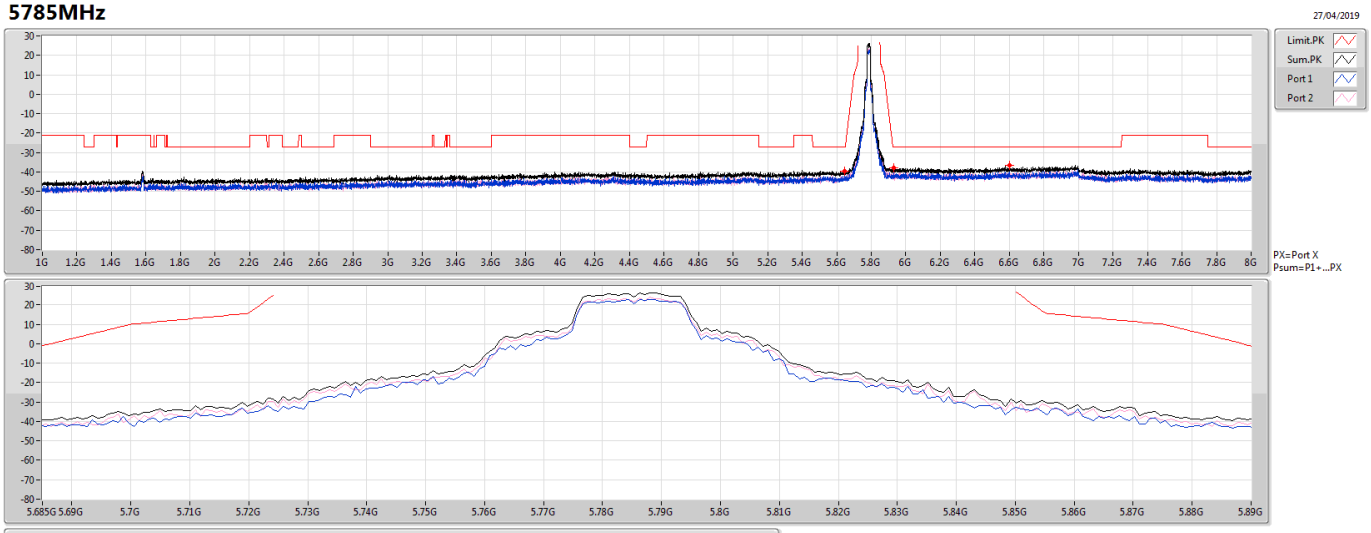
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.09916G	-49.19	-41.20	-7.99	2.00	0.00	-51.19	-54.12	-54.28
5.15G	5.35G	1M	AV	5.35G	-49.83	-41.20	-8.63	2.00	0.00	-51.83	-54.86	-54.82
5.35G	5.46G	1M	AV	5.37365G	-49.36	-41.20	-8.16	2.00	0.00	-51.36	-54.45	-54.30
5.46G	8G	1M	AV	7.38024G	-47.93	-41.20	-6.73	2.00	0.00	-49.93	-52.86	-53.03

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

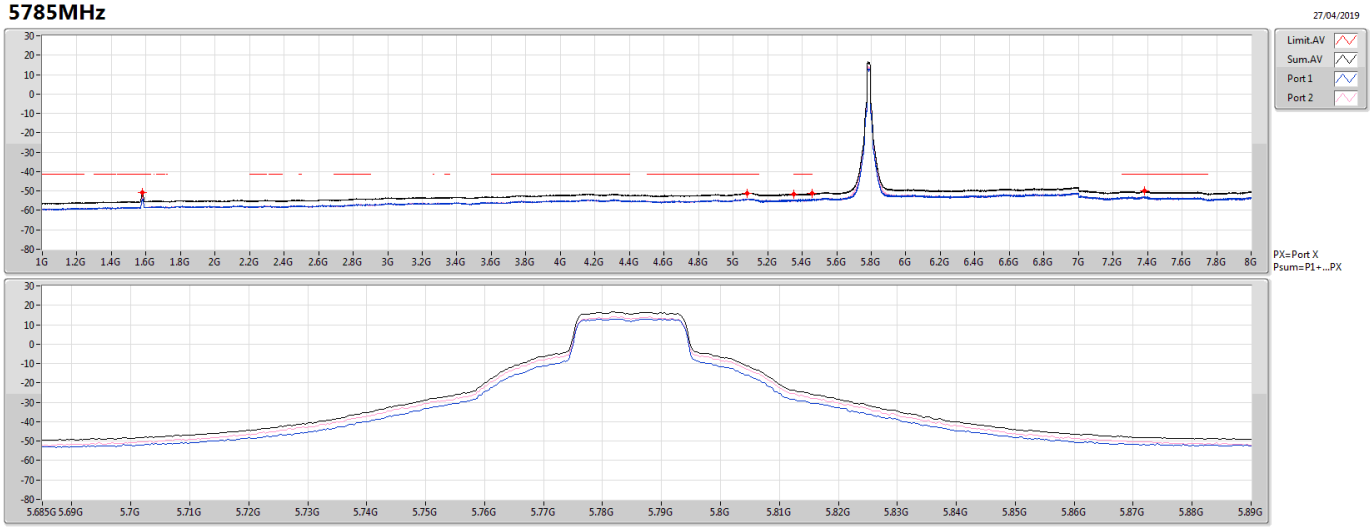
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.64363G	-37.55	-27.00	-10.55	2.00	0.00	-39.55	-43.63	-41.71
1G	8G	1M	PK	5.9315G	-36.10	-27.00	-9.10	2.00	0.00	-38.10	-40.48	-41.85
1G	8G	1M	PK	6.59913G	-34.66	-27.00	-7.66	2.00	0.00	-36.66	-38.96	-40.51

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

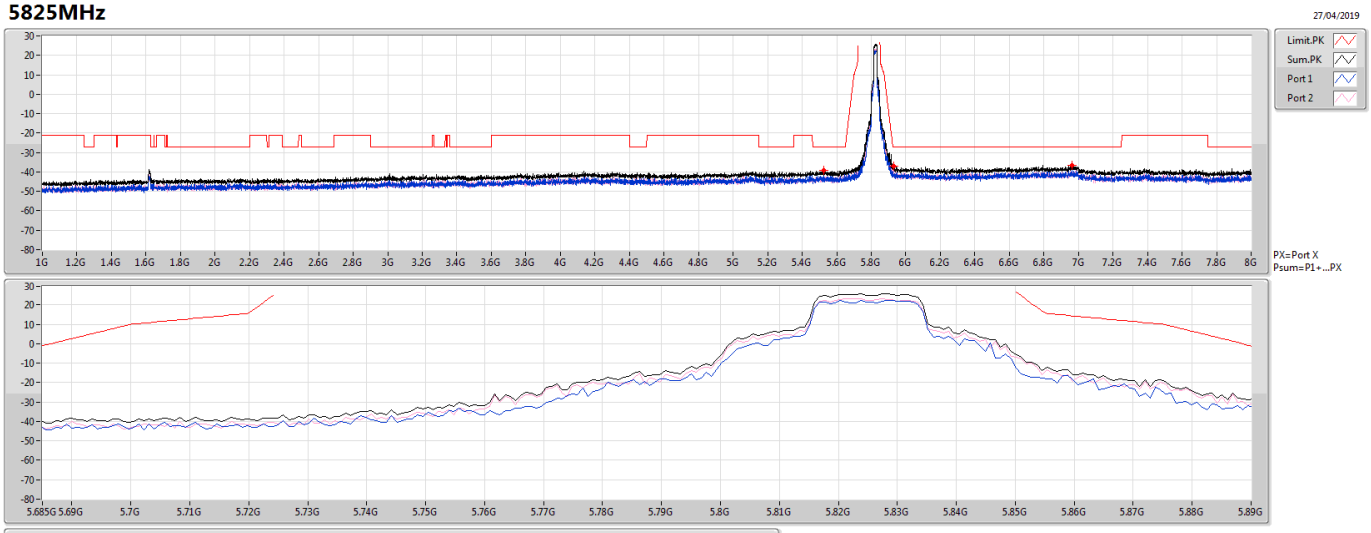
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	1.57996G	-48.77	-41.20	-7.57	2.00	0.00	-50.77	-54.30	-53.32
1G	5.15G	1M	AV	5.0836G	-49.17	-41.20	-7.97	2.00	0.00	-51.17	-54.25	-54.12
5.15G	5.35G	1M	AV	5.35G	-49.68	-41.20	-8.48	2.00	0.00	-51.68	-54.85	-54.53
5.35G	5.46G	1M	AV	5.45791G	-49.36	-41.20	-8.16	2.00	0.00	-51.36	-54.22	-54.53
5.46G	8G	1M	AV	7.38183G	-47.98	-41.20	-6.78	2.00	0.00	-49.98	-53.02	-52.96

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

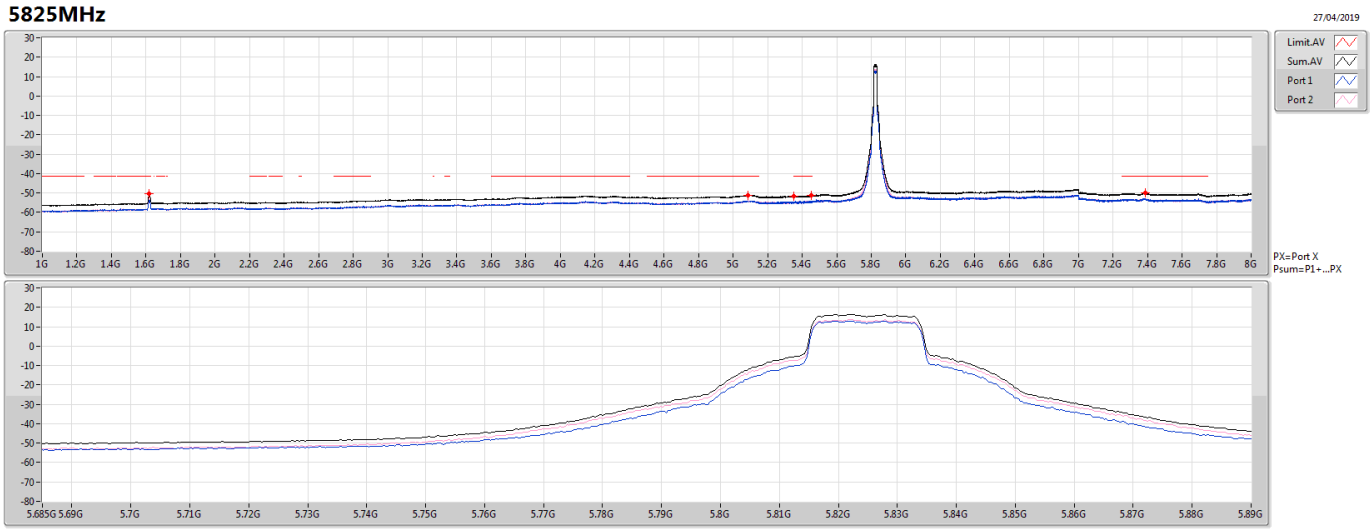
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.52288G	-37.22	-27.00	-10.22	2.00	0.00	-39.22	-41.73	-42.80
1G	8G	1M	PK	5.928G	-34.93	-27.00	-7.93	2.00	0.00	-36.93	-41.86	-38.61
1G	8G	1M	PK	6.96225G	-34.54	-27.00	-7.54	2.00	0.00	-36.54	-38.33	-41.25

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

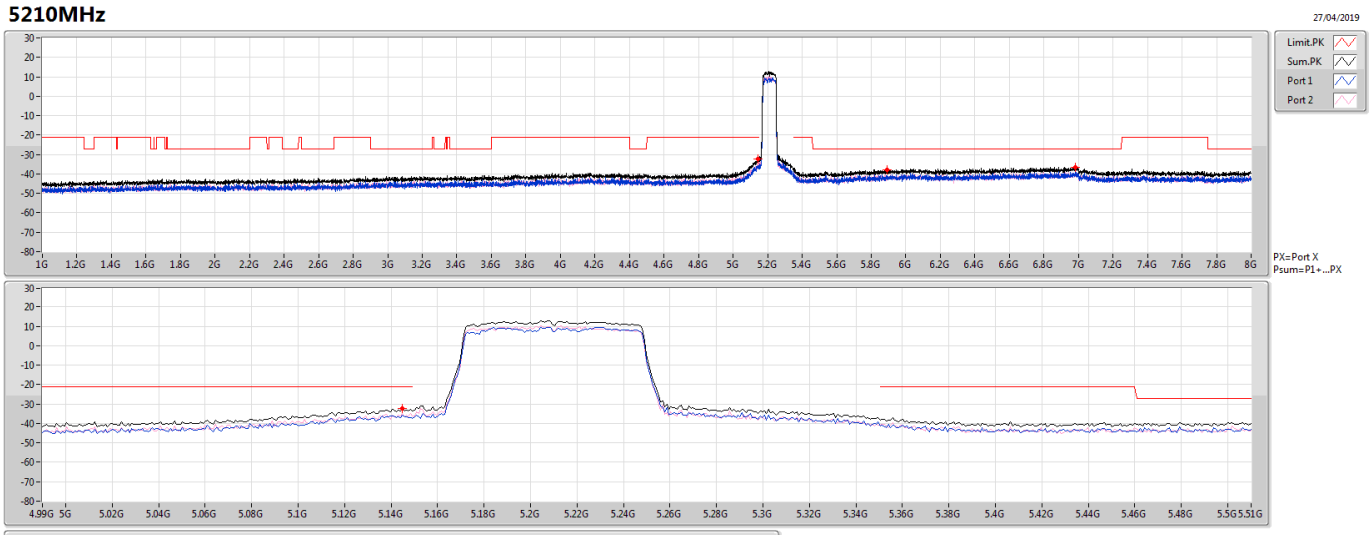
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	1.61939G	-48.19	-41.20	-6.99	2.00	0.00	-50.19	-53.61	-52.83
1G	5.15G	1M	AV	5.08464G	-49.06	-41.20	-7.86	2.00	0.00	-51.06	-54.15	-54.00
5.15G	5.35G	1M	AV	5.35G	-49.74	-41.20	-8.54	2.00	0.00	-51.74	-54.87	-54.63
5.35G	5.46G	1M	AV	5.45252G	-49.30	-41.20	-8.10	2.00	0.00	-51.30	-54.53	-54.10
5.46G	8G	1M	AV	7.38691G	-48.01	-41.20	-6.81	2.00	0.00	-50.01	-52.99	-53.05

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-PK**

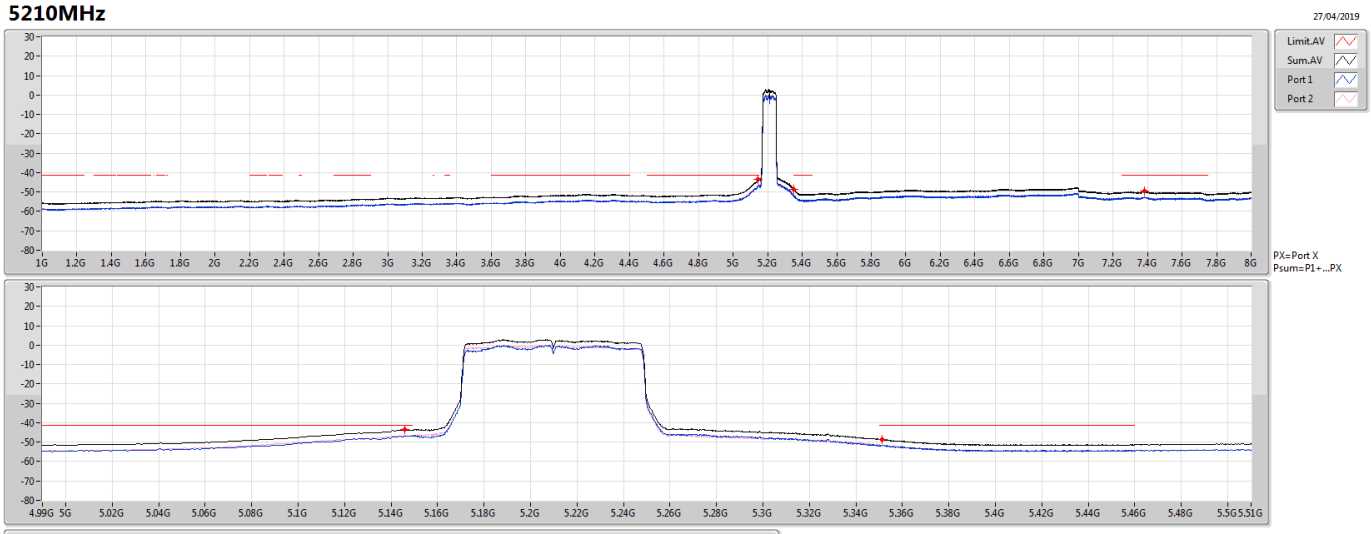
5210MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.14488G	-30.25	-21.20	-9.05	2.00	0.00	-32.25	-35.71	-34.85
1G	8G	1M	PK	5.89038G	-35.82	-27.00	-8.82	2.00	0.00	-37.82	-40.89	-40.77
1G	8G	1M	PK	6.98238G	-34.39	-27.00	-7.39	2.00	0.00	-36.39	-38.97	-39.88

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-AV**

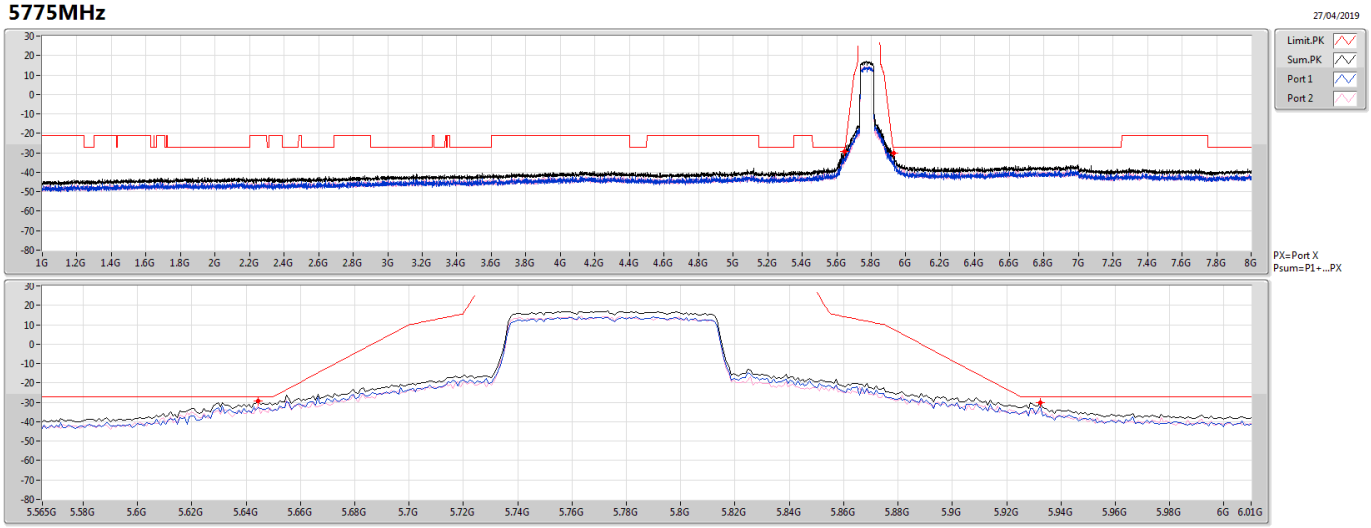
5210MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.14585G	-41.61	-41.20	-0.41	2.00	0.00	-43.61	-46.88	-46.37
5.35G	5.46G	1M	AV	5.35111G	-46.58	-41.20	-5.38	2.00	0.00	-48.58	-51.48	-51.70
5.46G	8G	1M	AV	7.38151G	-47.62	-41.20	-6.42	2.00	0.00	-49.62	-52.67	-52.59

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-PK**

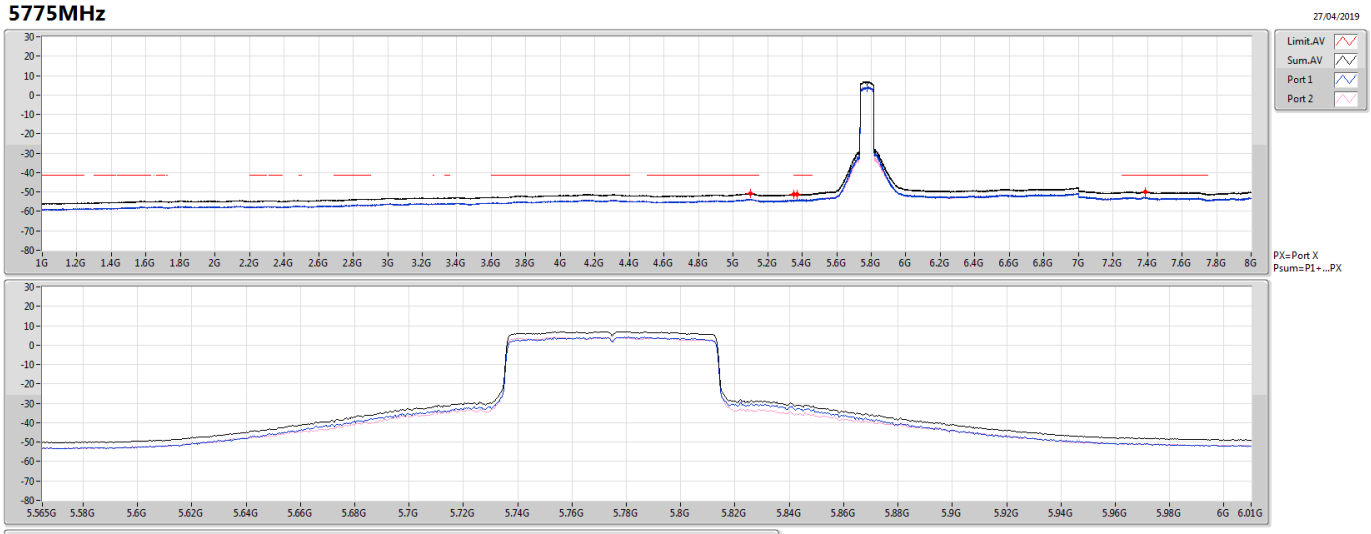
5775MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.6445G	-27.37	-27.00	-0.37	2.00	0.00	-29.37	-32.76	-32.03
1G	8G	1M	PK	5.93238G	-28.03	-27.00	-1.03	2.00	0.00	-30.03	-32.06	-34.32

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-AV**

5775MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.1002G	-48.86	-41.20	-7.66	2.00	0.00	-50.86	-53.88	-53.87
5.15G	5.35G	1M	AV	5.35G	-49.32	-41.20	-8.12	2.00	0.00	-51.32	-54.36	-54.31
5.35G	5.46G	1M	AV	5.36903G	-49.05	-41.20	-7.85	2.00	0.00	-51.05	-53.64	-54.52
5.46G	8G	1M	AV	7.38532G	-47.78	-41.20	-6.58	2.00	0.00	-49.78	-52.56	-53.03

8GHz~40GHz
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	8G	40G	AV	39.99G	2.00	-77.30	-77.41	-74.34	-72.34	-41.20	-31.14
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	38.953G	2.00	-70.93	-70.26	-67.57	-65.57	-41.20	-24.37
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	38.962G	2.00	-70.72	-70.13	-67.40	-65.40	-41.20	-24.20
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	8G	40G	AV	39.987G	2.00	-77.57	-76.82	-74.17	-72.17	-41.20	-30.97
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	38.958G	2.00	-70.44	-70.75	-67.58	-65.58	-41.20	-24.38
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	38.955G	2.00	-70.08	-70.57	-67.31	-65.31	-41.20	-24.11

DG = Directional Gain;
PX=Port X; **Psum**=P1+.P2+...PX

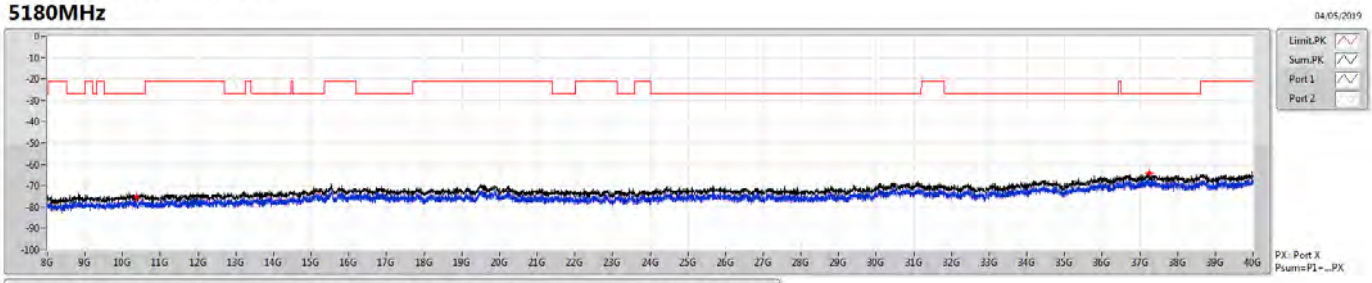
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	40G	AV	39.99G	2.00	-77.30	-77.41	-74.34	-72.34	-41.20	-31.14
5180MHz	Pass	8G	40G	PK	10.368G	2.00	-78.64	-78.00	-75.30	-73.30	-27.00	-46.30
5180MHz	Pass	8G	40G	PK	37.248G	2.00	-68.31	-66.36	-64.22	-62.22	-27.00	-35.22
5200MHz	Pass	8G	40G	AV	39.988G	2.00	-77.83	-77.05	-74.41	-72.41	-41.20	-31.21
5200MHz	Pass	8G	40G	PK	10.396G	2.00	-78.46	-79.27	-75.84	-73.84	-27.00	-46.84
5200MHz	Pass	8G	40G	PK	37.268G	2.00	-66.37	-67.79	-64.01	-62.01	-27.00	-35.01
5240MHz	Pass	8G	40G	AV	39.996G	2.00	-77.23	-77.52	-74.36	-72.36	-41.20	-31.16
5240MHz	Pass	8G	40G	PK	10.48G	2.00	-78.02	-77.49	-74.74	-72.74	-27.00	-45.74
5240MHz	Pass	8G	40G	PK	37.32G	2.00	-67.41	-66.67	-64.01	-62.01	-27.00	-35.01
5745MHz	Pass	8G	40G	AV	11.483G	2.00	-88.30	-88.91	-85.58	-83.58	-41.20	-42.38
5745MHz	Pass	8G	40G	AV	39.994G	2.00	-77.93	-76.81	-74.32	-72.32	-41.20	-31.12
5745MHz	Pass	8G	40G	PK	11.488G	2.00	-77.17	-79.38	-75.13	-73.13	-21.20	-51.93
5745MHz	Pass	8G	40G	PK	37.256G	2.00	-66.97	-67.09	-64.02	-62.02	-27.00	-35.02
5785MHz	Pass	8G	40G	AV	11.575G	2.00	-87.44	-88.10	-84.75	-82.75	-41.20	-41.55
5785MHz	Pass	8G	40G	AV	39.998G	2.00	-77.39	-77.29	-74.33	-72.33	-41.20	-31.13
5785MHz	Pass	8G	40G	PK	11.56G	2.00	-78.42	-76.59	-74.40	-72.40	-21.20	-51.20
5785MHz	Pass	8G	40G	PK	36.588G	2.00	-65.89	-69.25	-64.24	-62.24	-27.00	-35.24
5825MHz	Pass	8G	40G	AV	11.65G	2.00	-87.50	-86.93	-84.20	-82.20	-41.20	-41.00
5825MHz	Pass	8G	40G	AV	39.987G	2.00	-77.57	-76.82	-74.17	-72.17	-41.20	-30.97
5825MHz	Pass	8G	40G	PK	11.64G	2.00	-75.85	-76.82	-73.30	-71.30	-21.20	-50.10
5825MHz	Pass	8G	40G	PK	37.228G	2.00	-69.21	-65.79	-64.16	-62.16	-27.00	-35.16
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	40G	AV	38.941G	2.00	-70.79	-70.55	-67.66	-65.66	-41.20	-24.46
5180MHz	Pass	8G	40G	PK	10.364G	2.00	-73.11	-72.49	-69.78	-67.78	-27.00	-40.78
5180MHz	Pass	8G	40G	PK	38.588G	2.00	-63.75	-62.16	-59.87	-57.87	-27.00	-30.87
5200MHz	Pass	8G	40G	AV	38.953G	2.00	-70.93	-70.26	-67.57	-65.57	-41.20	-24.37
5200MHz	Pass	8G	40G	PK	10.396G	2.00	-71.98	-72.02	-68.99	-66.99	-27.00	-39.99
5200MHz	Pass	8G	40G	PK	37.236G	2.00	-61.61	-64.31	-59.74	-57.74	-27.00	-30.74
5240MHz	Pass	8G	40G	AV	38.954G	2.00	-70.80	-70.54	-67.66	-65.66	-41.20	-24.46
5240MHz	Pass	8G	40G	PK	10.484G	2.00	-70.90	-73.43	-68.97	-66.97	-27.00	-39.97
5240MHz	Pass	8G	40G	PK	37.108G	2.00	-65.36	-62.03	-60.37	-58.37	-27.00	-31.37
5745MHz	Pass	8G	40G	AV	11.492G	2.00	-77.61	-81.40	-76.09	-74.09	-41.20	-32.89
5745MHz	Pass	8G	40G	AV	38.955G	2.00	-70.55	-70.93	-67.73	-65.73	-41.20	-24.53
5745MHz	Pass	8G	40G	PK	11.492G	2.00	-68.59	-71.82	-66.90	-64.90	-21.20	-43.70
5745MHz	Pass	8G	40G	PK	38.596G	2.00	-63.21	-62.36	-59.75	-57.75	-27.00	-30.75
5785MHz	Pass	8G	40G	AV	11.574G	2.00	-75.95	-82.34	-75.05	-73.05	-41.20	-31.85
5785MHz	Pass	8G	40G	AV	38.958G	2.00	-70.44	-70.75	-67.58	-65.58	-41.20	-24.38
5785MHz	Pass	8G	40G	PK	11.576G	2.00	-64.69	-72.66	-64.05	-62.05	-21.20	-40.85
5785MHz	Pass	8G	40G	PK	38.596G	2.00	-63.21	-62.51	-59.84	-57.84	-27.00	-30.84
5825MHz	Pass	8G	40G	AV	11.656G	2.00	-76.64	-81.23	-75.34	-73.34	-41.20	-32.14
5825MHz	Pass	8G	40G	AV	38.956G	2.00	-70.71	-70.72	-67.70	-65.70	-41.20	-24.50
5825MHz	Pass	8G	40G	PK	11.652G	2.00	-64.79	-69.56	-63.54	-61.54	-21.20	-40.34
5825MHz	Pass	8G	40G	PK	38.596G	2.00	-62.43	-63.34	-59.85	-57.85	-27.00	-30.85
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8G	40G	AV	38.962G	2.00	-70.72	-70.13	-67.40	-65.40	-41.20	-24.20
5210MHz	Pass	8G	40G	PK	10.404G	2.00	-71.31	-72.29	-68.76	-66.76	-27.00	-39.76
5210MHz	Pass	8G	40G	PK	38.588G	2.00	-63.35	-61.78	-59.48	-57.48	-27.00	-30.48
5775MHz	Pass	8G	40G	AV	11.577G	2.00	-81.88	-83.01	-79.40	-77.40	-41.20	-36.20
5775MHz	Pass	8G	40G	AV	38.955G	2.00	-70.08	-70.57	-67.31	-65.31	-41.20	-24.11
5775MHz	Pass	8G	40G	PK	11.58G	2.00	-68.98	-72.61	-67.42	-65.42	-21.20	-44.22
5775MHz	Pass	8G	40G	PK	38.596G	2.00	-61.62	-64.22	-59.72	-57.72	-27.00	-30.72

DG = Directional Gain;
PX=Port X; **Psum**=P1+.P2+...PX

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

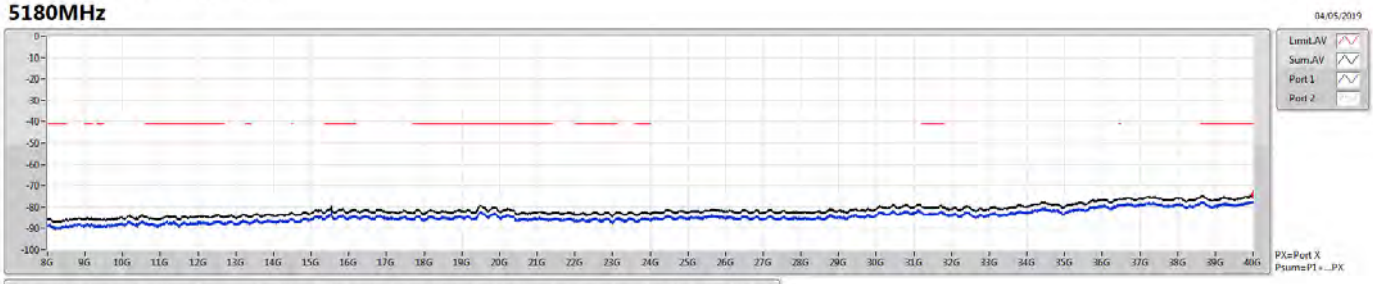
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.368G	-73.30	-27.00	-46.30	2.00	0.00	-75.30	-78.64	-78.00
8G	40G	1M	PK	37.248G	-62.22	-27.00	-35.22	2.00	0.00	-64.22	-68.31	-66.36

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

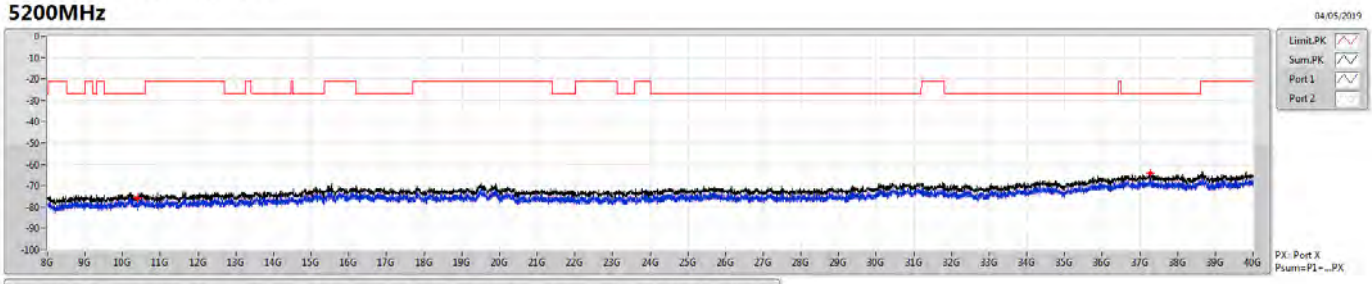
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	39.99G	-72.34	-41.20	-31.14	2.00	0.00	-74.34	-77.30	-77.41

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

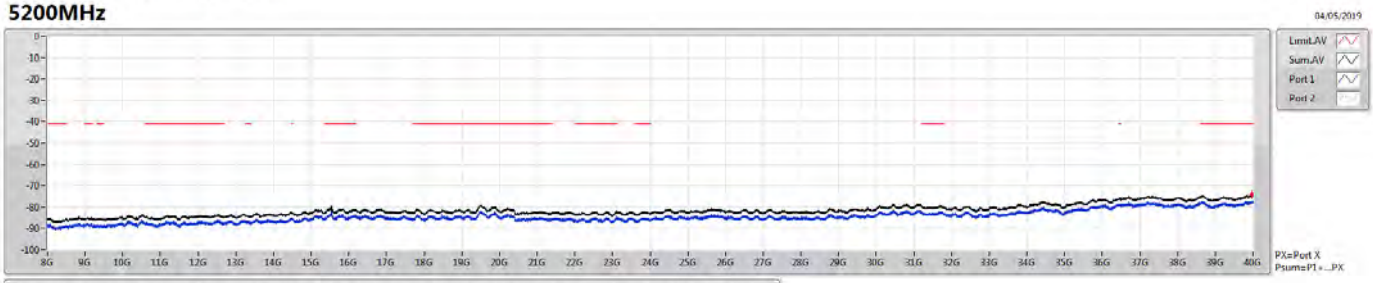
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.396G	-73.84	-27.00	-46.84	2.00	0.00	-75.84	-78.46	-79.27
8G	40G	1M	PK	37.268G	-62.01	-27.00	-35.01	2.00	0.00	-64.01	-66.37	-67.79

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

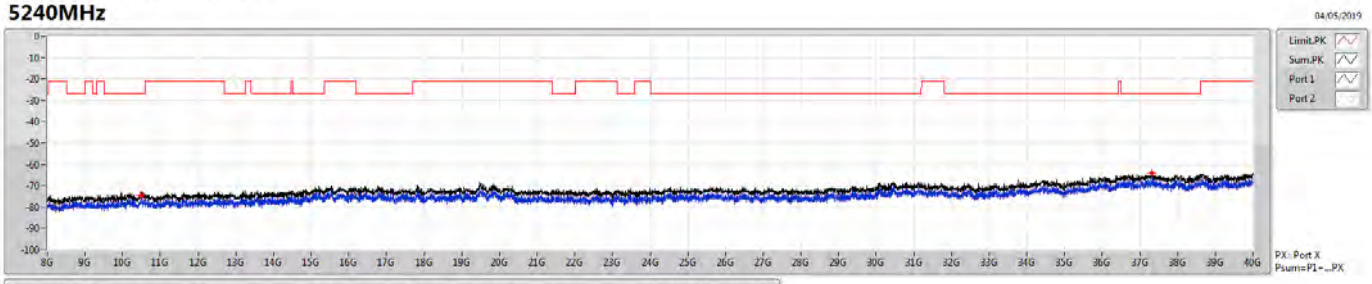
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	39.988G	-72.41	-41.20	-31.21	2.00	0.00	-74.41	-77.83	-77.05

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

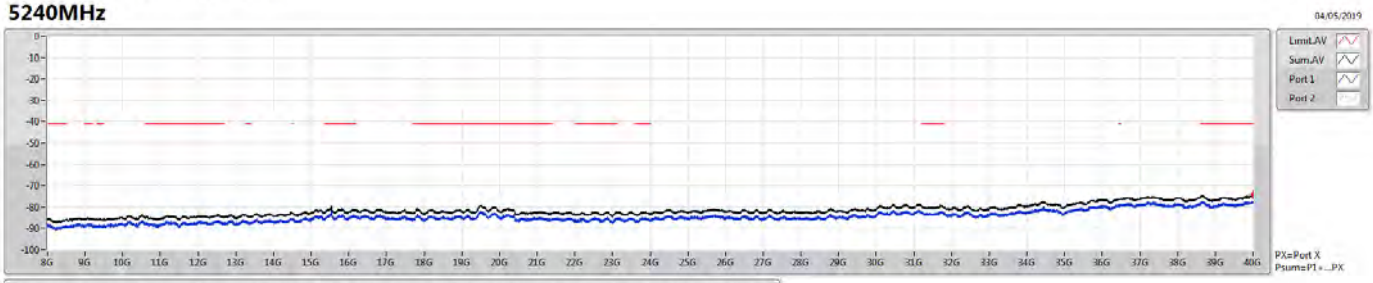
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.48G	-72.74	-27.00	-45.74	2.00	0.00	-74.74	-78.02	-77.49
8G	40G	1M	PK	37.32G	-62.01	-27.00	-35.01	2.00	0.00	-64.01	-67.41	-66.67

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

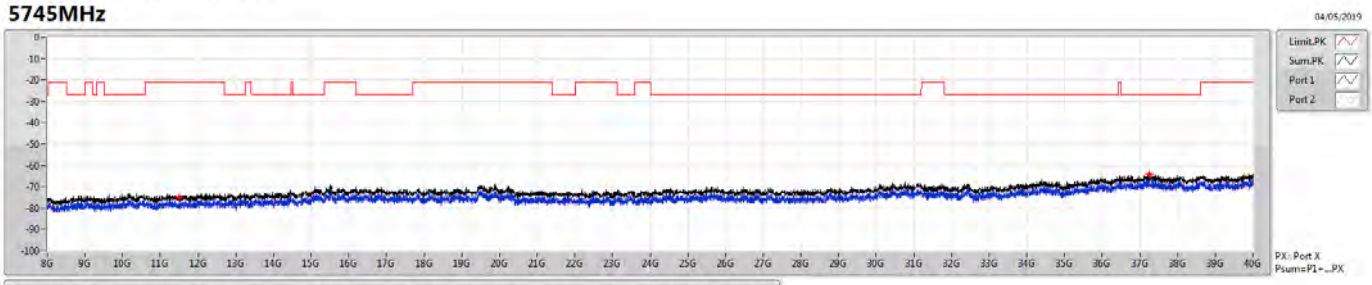
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	39.996G	-72.36	-41.20	-31.16	2.00	0.00	-74.36	-77.23	-77.52

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

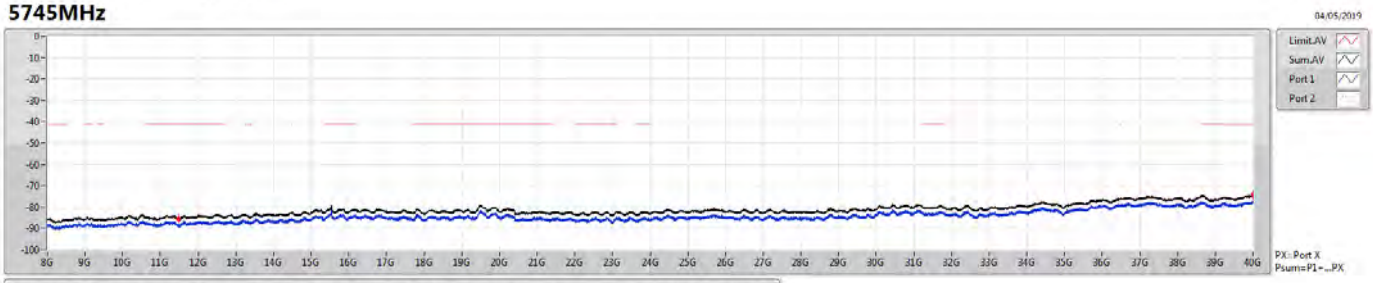
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.488G	-73.13	-21.20	-51.93	2.00	0.00	-75.13	-77.17	-79.38
8G	40G	1M	PK	37.256G	-62.02	-27.00	-35.02	2.00	0.00	-64.02	-66.97	-67.09

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

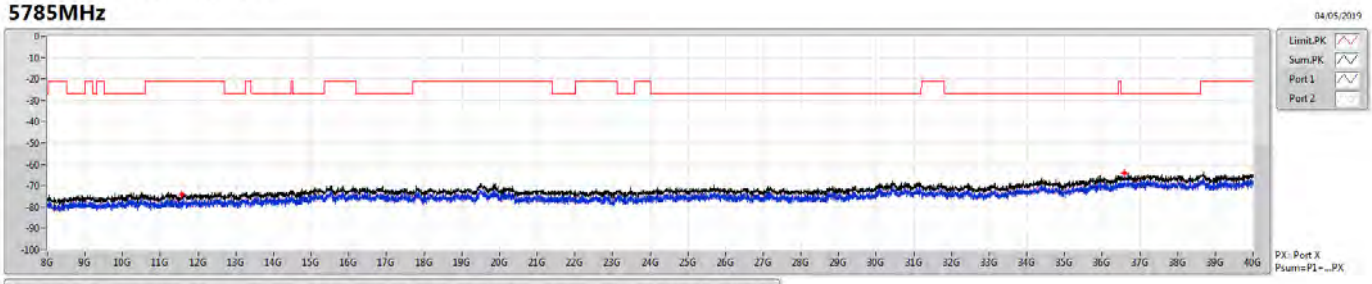
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.483G	-83.58	-41.20	-42.38	2.00	0.00	-85.58	-88.30	-88.91
8G	40G	1M	AV	39.894G	-72.32	-41.20	-31.12	2.00	0.00	-74.32	-77.93	-76.81

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

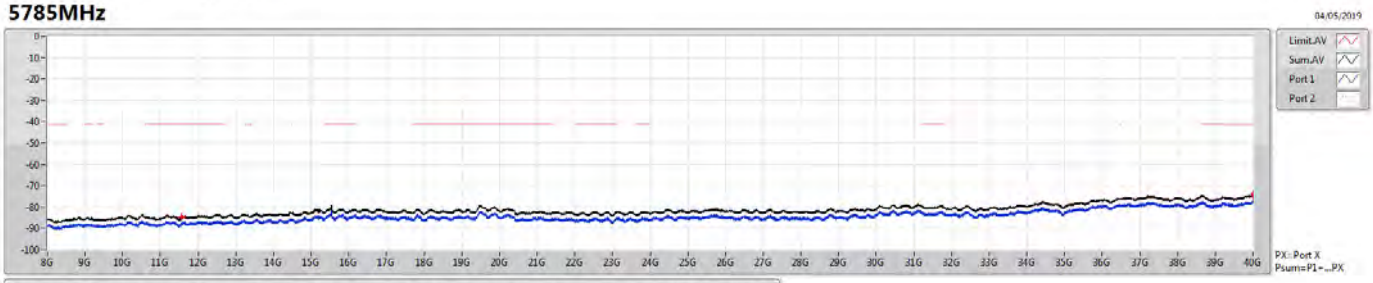
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.56G	-72.40	-21.20	-51.20	2.00	0.00	-74.40	-78.42	-76.59
8G	40G	1M	PK	36.588G	-62.24	-27.00	-35.24	2.00	0.00	-64.24	-65.89	-69.25

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

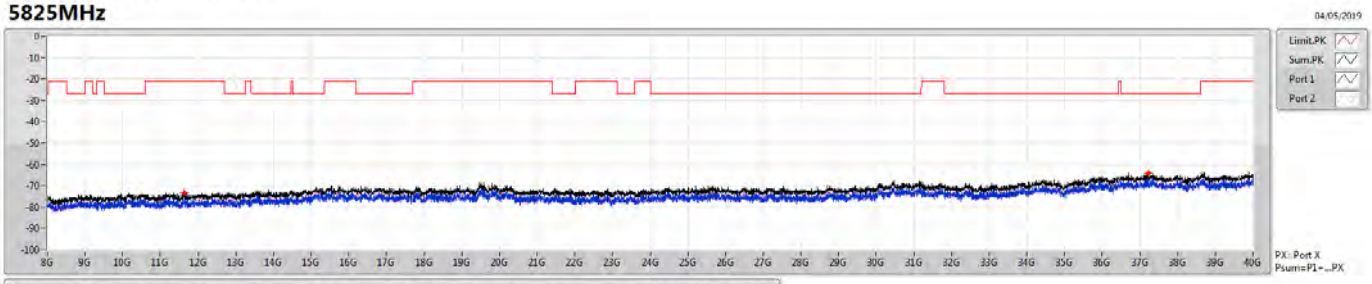
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.575G	-82.75	-41.20	-41.55	2.00	0.00	-84.75	-87.44	-88.10
8G	40G	1M	AV	39.998G	-72.33	-41.20	-31.13	2.00	0.00	-74.33	-77.39	-77.29

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

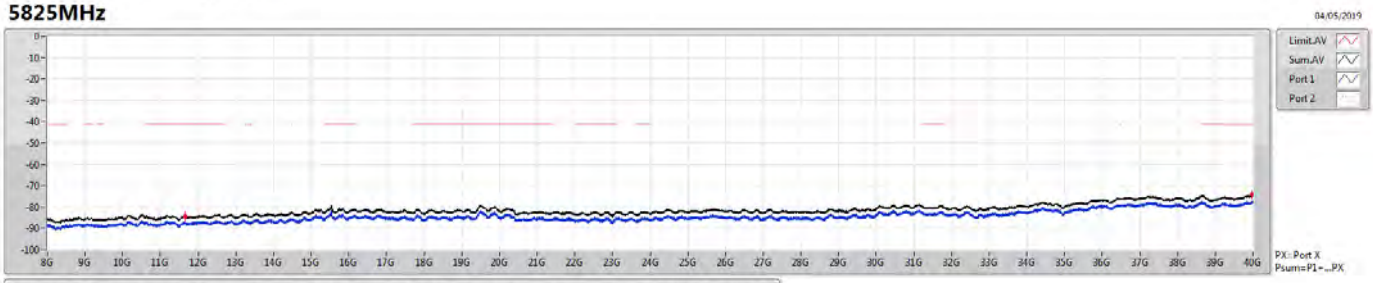
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.64G	-71.30	-21.20	-50.10	2.00	0.00	-73.30	-75.85	-76.82
8G	40G	1M	PK	37.228G	-62.16	-27.00	-35.16	2.00	0.00	-64.16	-69.21	-65.79

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

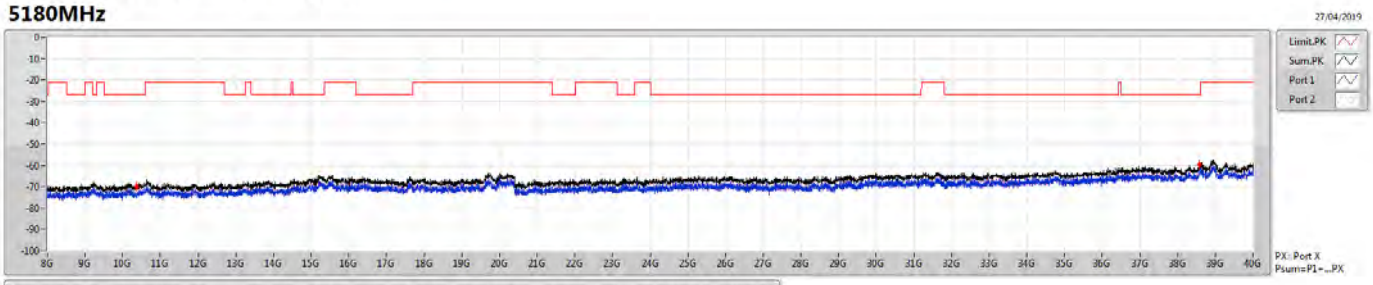
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.65G	-82.20	-41.20	-41.00	2.00	0.00	-84.20	-87.50	-86.93
8G	40G	1M	AV	39.987G	-72.17	-41.20	-30.97	2.00	0.00	-74.17	-77.57	-76.82

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

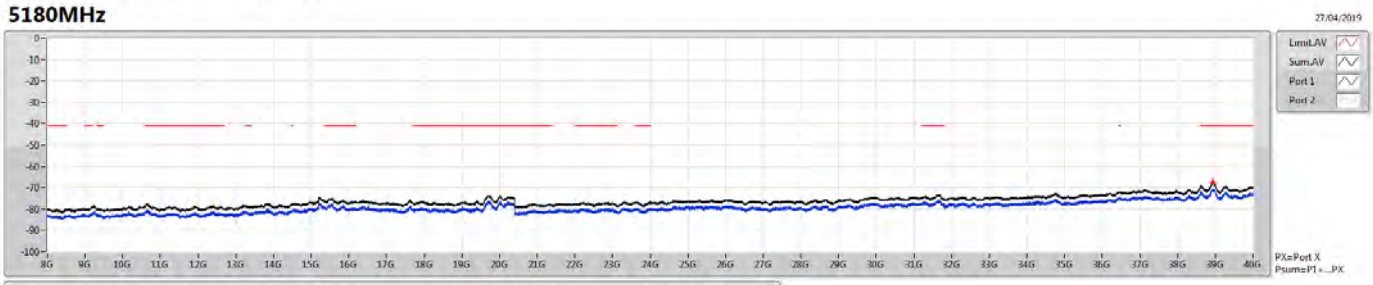
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.364G	-67.78	-27.00	-40.78	2.00	0.00	-69.78	-73.11	-72.49
8G	40G	1M	PK	38.588G	-57.87	-27.00	-30.87	2.00	0.00	-59.87	-63.75	-62.16

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

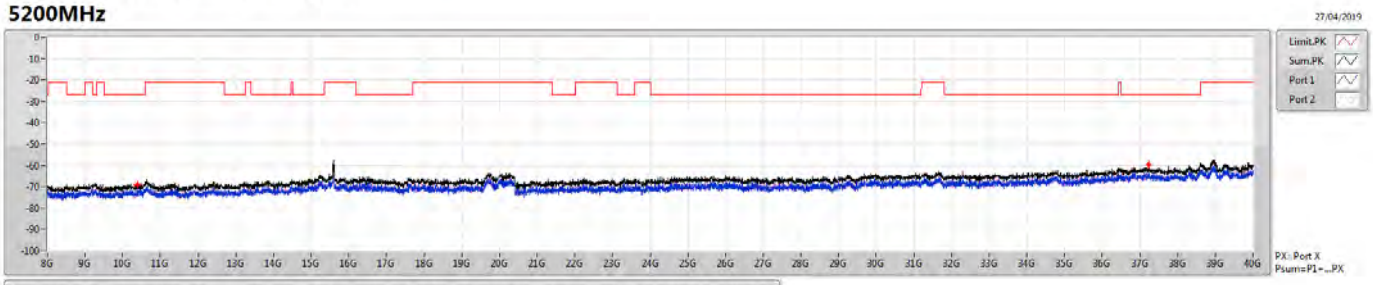
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	38.941G	-65.66	-41.20	-24.46	2.00	0.00	-67.66	-70.79	-70.55

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

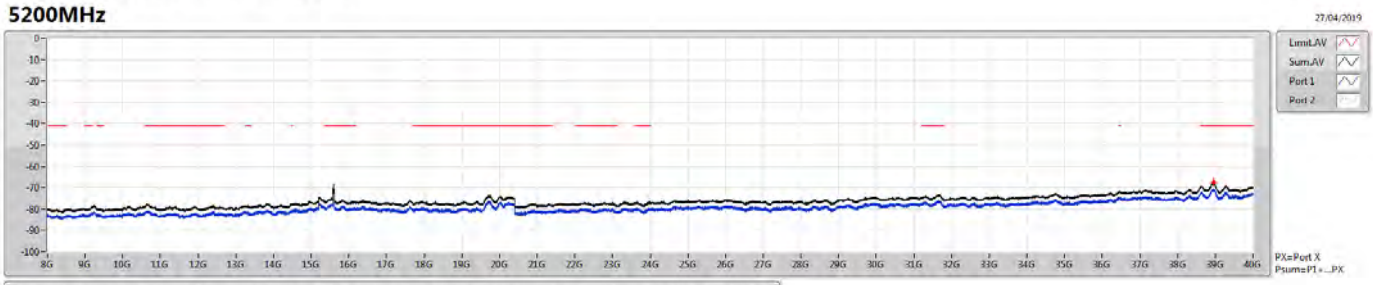
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.396G	-66.99	-27.00	-39.99	2.00	0.00	-68.99	-71.98	-72.02
8G	40G	1M	PK	37.236G	-57.74	-27.00	-30.74	2.00	0.00	-59.74	-61.61	-64.31

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

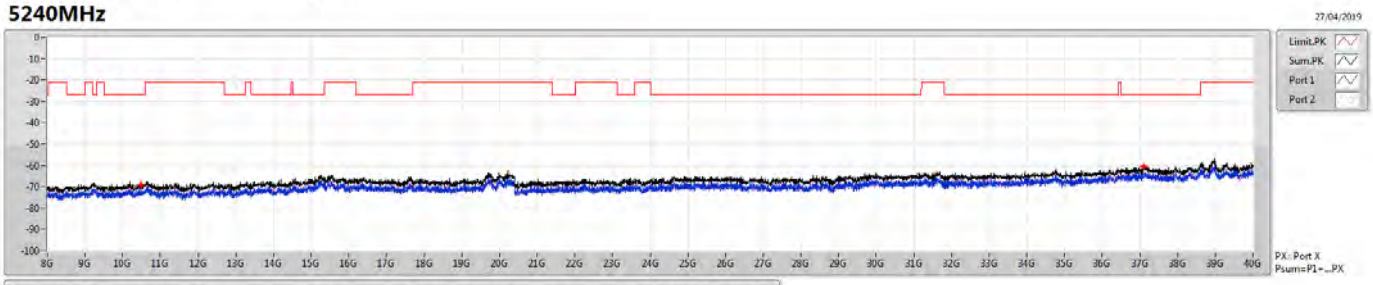
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	38.953G	-65.57	-41.20	-24.37	2.00	0.00	-67.57	-70.93	-70.26

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

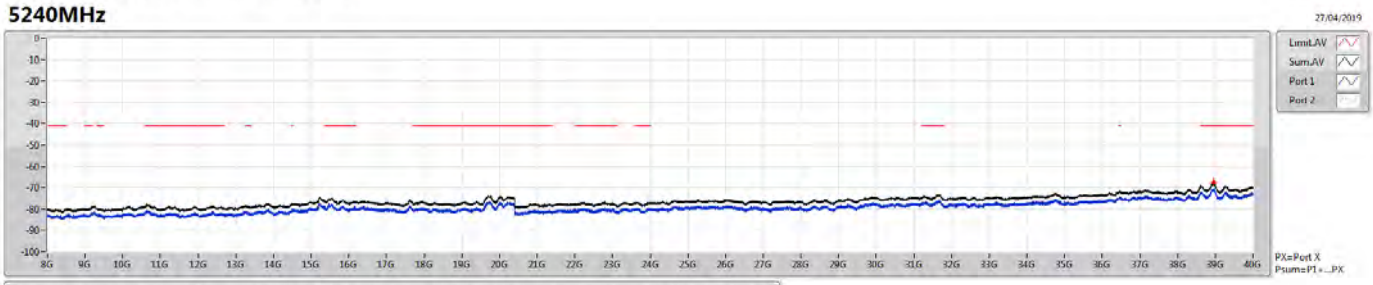
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.484G	-66.97	-27.00	-39.97	2.00	0.00	-68.97	-70.90	-73.43
8G	40G	1M	PK	37.108G	-58.37	-27.00	-31.37	2.00	0.00	-60.37	-65.36	-62.03

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

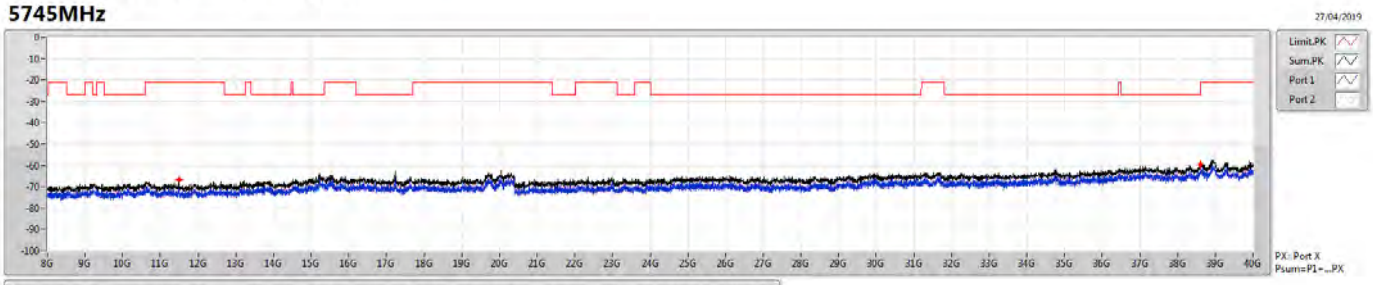
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	38.954G	-65.66	-41.20	-24.46	2.00	0.00	-67.66	-70.80	-70.54

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

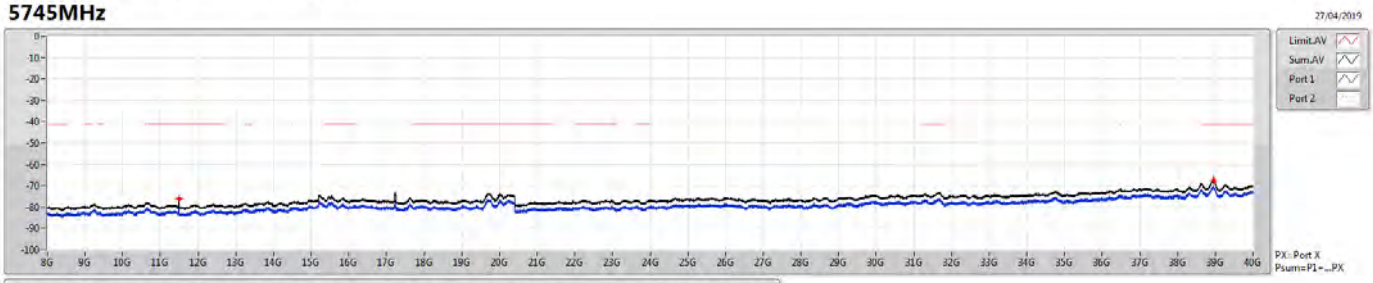
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.492G	-64.90	-21.20	-43.70	2.00	0.00	-66.90	-68.59	-71.82
8G	40G	1M	PK	38.596G	-57.75	-27.00	-30.75	2.00	0.00	-59.75	-63.21	-62.36

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

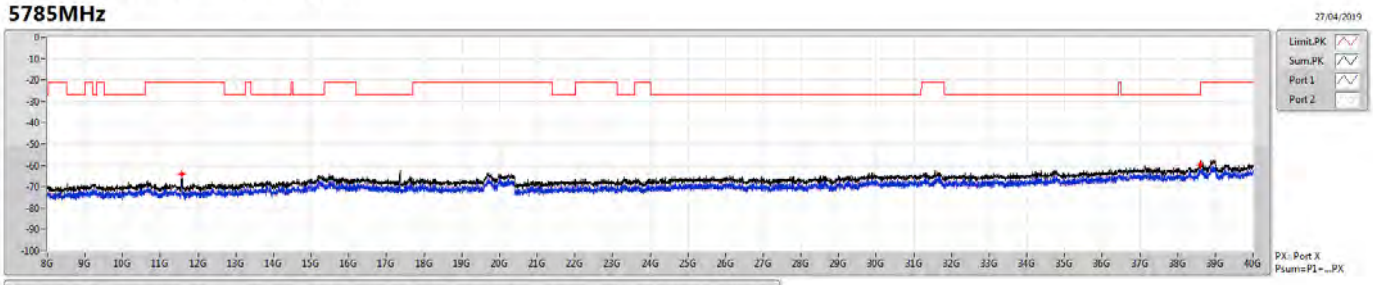
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.492G	-74.09	-41.20	-32.89	2.00	0.00	-76.09	-77.61	-81.40
8G	40G	1M	AV	38.955G	-65.73	-41.20	-24.53	2.00	0.00	-67.73	-70.55	-70.93

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

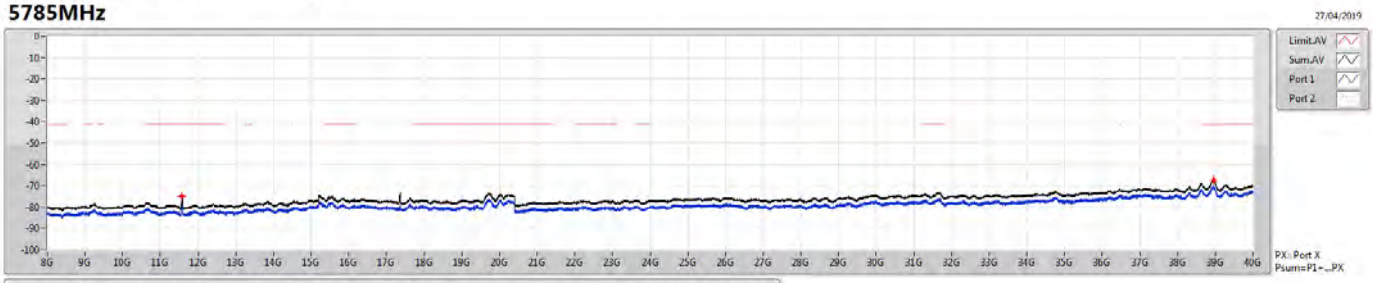
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.576G	-62.05	-21.20	-40.85	2.00	0.00	-64.05	-64.69	-72.66
8G	40G	1M	PK	38.596G	-57.84	-27.00	-30.84	2.00	0.00	-59.84	-63.21	-62.51

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

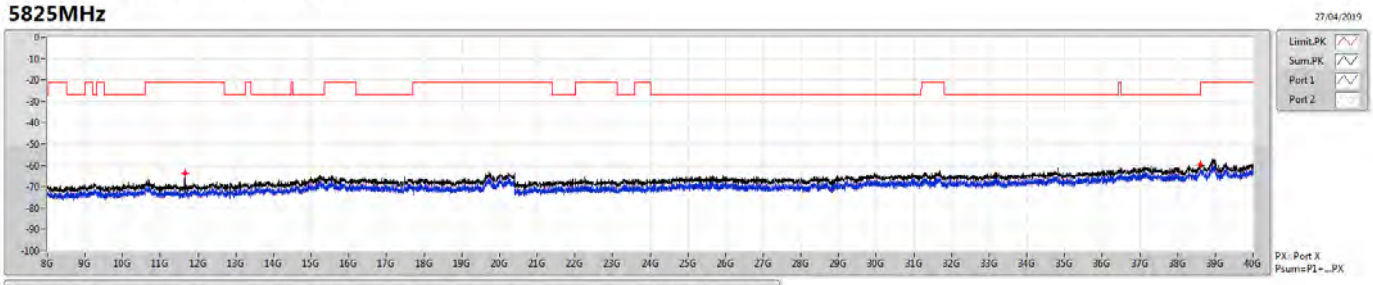
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.574G	-73.05	-41.20	-31.85	2.00	0.00	-75.05	-75.95	-82.34
8G	40G	1M	AV	38.958G	-65.58	-41.20	-24.38	2.00	0.00	-67.58	-70.44	-70.75

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

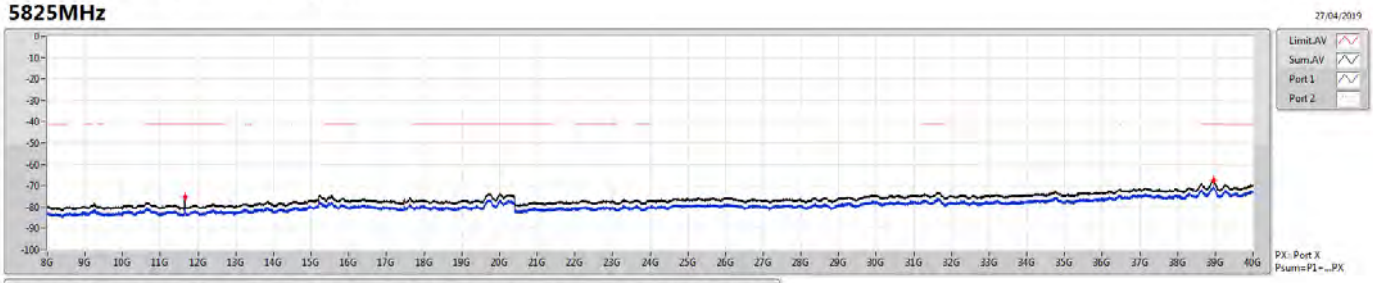
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.652G	-61.54	-21.20	-40.34	2.00	0.00	-63.54	-64.79	-69.56
8G	40G	1M	PK	38.596G	-57.85	-27.00	-30.85	2.00	0.00	-59.85	-62.43	-63.34

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

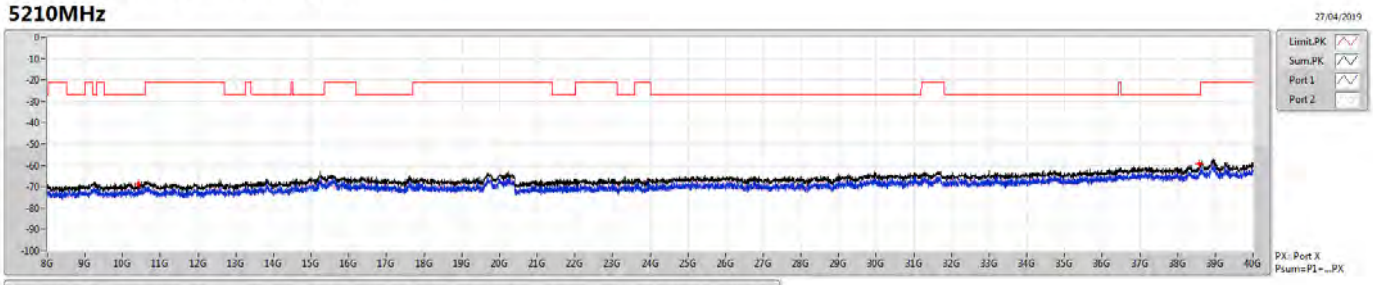
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.656G	-73.34	-41.20	-32.14	2.00	0.00	-75.34	-76.64	-81.23
8G	40G	1M	AV	38.956G	-65.70	-41.20	-24.50	2.00	0.00	-67.70	-70.71	-70.72

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-PK**

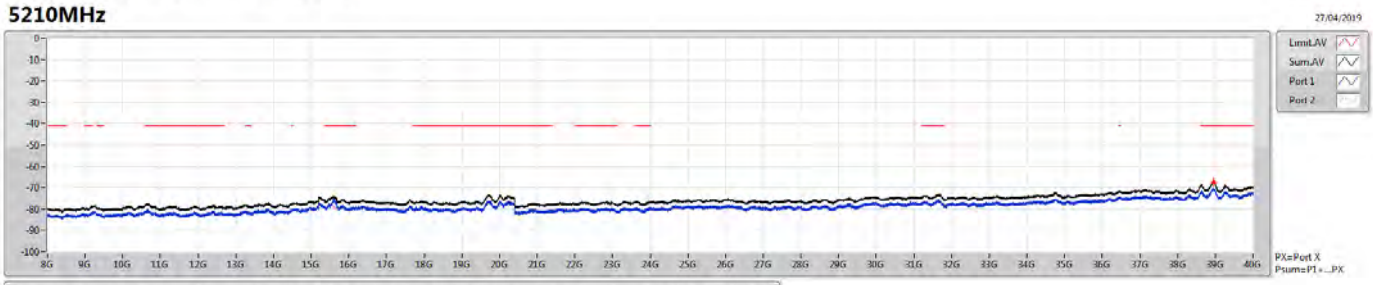
5210MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.404G	-66.76	-27.00	-39.76	2.00	0.00	-68.76	-71.31	-72.29
8G	40G	1M	PK	38.588G	-57.48	-27.00	-30.48	2.00	0.00	-59.48	-63.35	-61.78

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-AV**

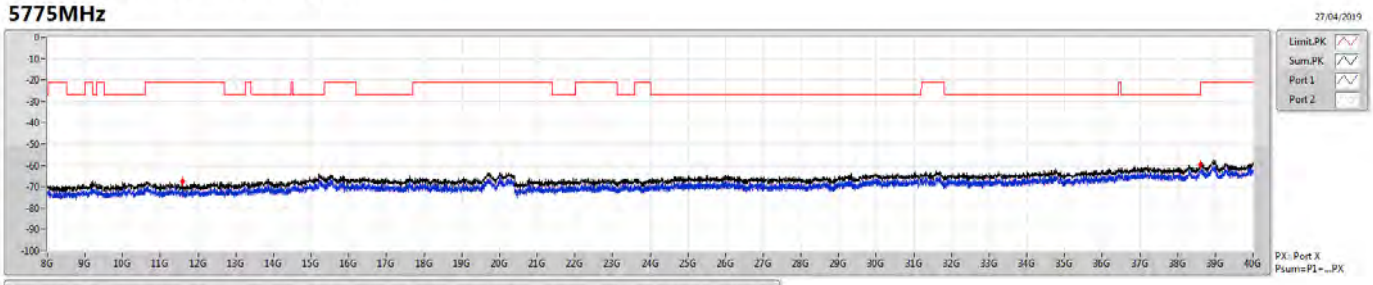
5210MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	38.962G	-65.40	-41.20	-24.20	2.00	0.00	-67.40	-70.72	-70.13

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-PK**

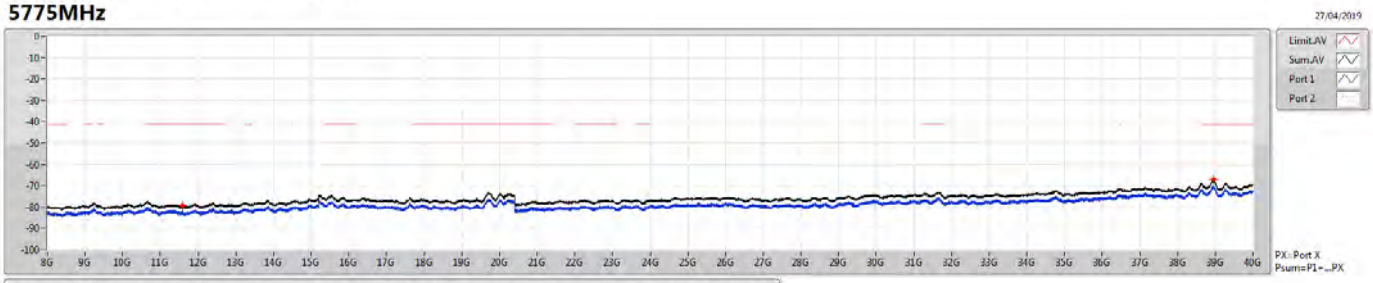
5775MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.58G	-65.42	-21.20	-44.22	2.00	0.00	-67.42	-68.98	-72.61
8G	40G	1M	PK	38.596G	-57.72	-27.00	-30.72	2.00	0.00	-59.72	-61.62	-64.22

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-AV**

5775MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.577G	-77.40	-41.20	-36.20	2.00	0.00	-79.40	-81.88	-83.01
8G	40G	1M	AV	38.955G	-65.31	-41.20	-24.11	2.00	0.00	-67.31	-70.08	-70.57

For Test Mode 2:
Harmonic: 1GHz~8GHz
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	5.11G	5.15G	AV	5.12G	5.00	-58.15	-59.60	-55.80	-50.80	-41.20	-9.60
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	5.11G	5.15G	AV	5.12064G	5.00	-59.55	-57.40	-55.33	-50.33	-41.20	-9.13
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	4.99G	5.15G	AV	5.11992G	5.00	-56.16	-57.35	-53.70	-48.70	-41.20	-7.50
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	1G	5.685G	PK	5.65045G	5.00	-57.14	-46.24	-45.90	-40.90	-26.67	-14.23
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	1G	5.685G	PK	5.64752G	5.00	-58.71	-46.90	-46.62	-41.62	-27.00	-14.62
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	5.565G	5.725G	PK	5.64852G	5.00	-42.23	-42.45	-39.33	-34.33	-27.00	-7.33

DG = Directional Gain;
PX=Port X; **Psum**=P1+.P2+...PX

Result

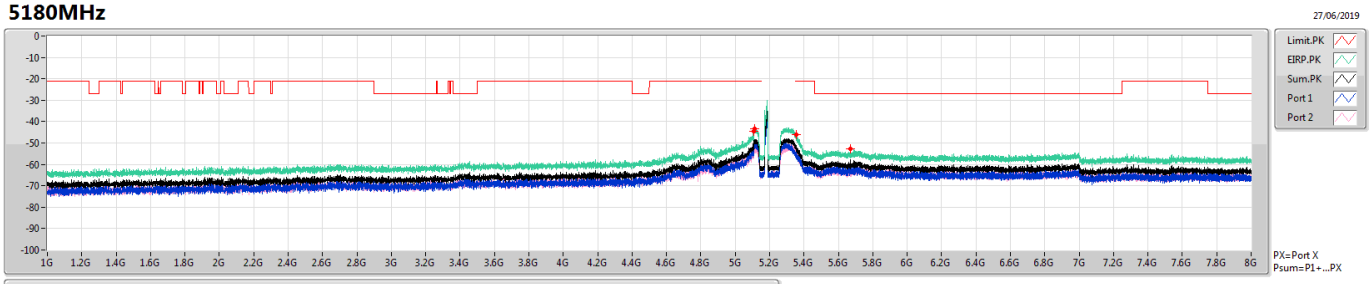
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	5.10589G	5.00	-61.06	-61.17	-58.10	-53.10	-41.20	-11.90
5180MHz	Pass	5.11G	5.15G	AV	5.12G	5.00	-58.15	-59.60	-55.80	-50.80	-41.20	-9.60
5180MHz	Pass	5.35G	5.39G	AV	5.35024G	5.00	-63.04	-60.66	-58.68	-53.68	-41.20	-12.48
5180MHz	Pass	5.39G	8G	AV	5.39033G	5.00	-69.74	-68.46	-66.04	-61.04	-41.20	-19.84
5180MHz	Pass	1G	5.11G	PK	5.10897G	5.00	-50.91	-54.81	-49.43	-44.43	-21.20	-23.23
5180MHz	Pass	5.11G	5.15G	PK	5.11312G	5.00	-50.00	-53.20	-48.30	-43.30	-21.20	-22.10
5180MHz	Pass	5.35G	5.39G	PK	5.35336G	5.00	-53.93	-54.57	-51.23	-46.23	-21.20	-25.03
5180MHz	Pass	5.39G	8G	PK	5.67221G	5.00	-59.26	-63.22	-57.79	-52.79	-27.00	-25.79
5200MHz	Pass	1G	5.11G	AV	5.10384G	5.00	-60.09	-64.35	-58.71	-53.71	-41.20	-12.51
5200MHz	Pass	5.11G	5.15G	AV	5.11992G	5.00	-58.08	-60.07	-55.95	-50.95	-41.20	-9.75
5200MHz	Pass	5.35G	5.39G	AV	5.35152G	5.00	-61.76	-60.80	-58.24	-53.24	-41.20	-12.04
5200MHz	Pass	5.39G	8G	AV	5.39261G	5.00	-67.38	-68.49	-64.89	-59.89	-41.20	-18.69
5200MHz	Pass	1G	5.11G	PK	5.10281G	5.00	-53.30	-55.54	-51.27	-46.27	-21.20	-25.07
5200MHz	Pass	5.11G	5.15G	PK	5.11136G	5.00	-50.66	-52.13	-48.32	-43.32	-21.20	-22.12
5200MHz	Pass	5.35G	5.39G	PK	5.35032G	5.00	-54.00	-53.39	-50.67	-45.67	-21.20	-24.47
5200MHz	Pass	5.39G	8G	PK	5.71625G	5.00	-61.17	-60.86	-58.00	-53.00	-27.00	-26.00
5240MHz	Pass	1G	5.11G	AV	5.04013G	5.00	-61.50	-66.09	-60.20	-55.20	-41.20	-14.00
5240MHz	Pass	5.11G	5.15G	AV	5.12G	5.00	-61.53	-60.53	-57.99	-52.99	-41.20	-11.79
5240MHz	Pass	5.35G	5.39G	AV	5.35144G	5.00	-62.35	-58.44	-56.96	-51.96	-41.20	-10.76
5240MHz	Pass	5.39G	8G	AV	5.39098G	5.00	-68.56	-67.37	-64.91	-59.91	-41.20	-18.71
5240MHz	Pass	1G	5.11G	PK	5.10486G	5.00	-55.86	-55.99	-52.91	-47.91	-21.20	-26.71
5240MHz	Pass	5.11G	5.15G	PK	5.112G	5.00	-52.35	-54.89	-50.43	-45.43	-21.20	-24.23
5240MHz	Pass	5.35G	5.39G	PK	5.35048G	5.00	-54.45	-50.37	-48.94	-43.94	-21.20	-22.74
5240MHz	Pass	5.39G	8G	PK	5.75116G	5.00	-58.90	-61.64	-57.05	-52.05	-27.00	-25.05
5745MHz	Pass	1G	5.685G	AV	5.38282G	5.00	-66.82	-68.59	-64.61	-59.61	-41.20	-18.41
5745MHz	Pass	5.89G	8G	AV	7.63444G	5.00	-73.74	-74.48	-71.08	-66.08	-41.20	-24.88
5745MHz	Pass	1G	5.685G	PK	5.65045G	5.00	-57.14	-46.24	-45.90	-40.90	-26.67	-14.23
5745MHz	Pass	5.685G	5.725G	PK	5.68812G	5.00	-41.44	-31.77	-31.33	-26.33	1.21	-27.54
5745MHz	Pass	5.85G	5.89G	PK	5.88912G	5.00	-55.76	-55.50	-52.62	-47.62	-0.45	-47.17
5745MHz	Pass	5.89G	8G	PK	5.93378G	5.00	-61.11	-54.93	-53.99	-48.99	-27.00	-21.99
5785MHz	Pass	1G	5.685G	AV	5.43318G	5.00	-66.80	-67.49	-64.12	-59.12	-41.20	-17.92
5785MHz	Pass	5.89G	8G	AV	7.26335G	5.00	-75.17	-73.99	-71.53	-66.53	-41.20	-25.33
5785MHz	Pass	1G	5.685G	PK	5.64518G	5.00	-58.91	-58.65	-55.77	-50.77	-27.00	-23.77
5785MHz	Pass	5.685G	5.725G	PK	5.68516G	5.00	-55.57	-49.33	-48.40	-43.40	-0.98	-42.42
5785MHz	Pass	5.85G	5.89G	PK	5.88832G	5.00	-55.35	-48.42	-47.62	-42.62	0.14	-42.76
5785MHz	Pass	5.89G	8G	PK	5.92956G	5.00	-59.64	-53.50	-52.55	-47.55	-27.00	-20.55
5825MHz	Pass	1G	5.685G	AV	5.45016G	5.00	-65.52	-68.37	-63.70	-58.70	-41.20	-17.50
5825MHz	Pass	5.89G	8G	AV	7.29763G	5.00	-74.62	-73.94	-71.26	-66.26	-41.20	-25.06
5825MHz	Pass	1G	5.685G	PK	5.46246G	5.00	-59.57	-59.54	-56.54	-51.54	-27.00	-24.54
5825MHz	Pass	5.685G	5.725G	PK	5.685G	5.00	-56.29	-55.32	-52.77	-47.77	-1.10	-46.67
5825MHz	Pass	5.85G	5.89G	PK	5.8884G	5.00	-46.53	-37.90	-37.34	-32.34	0.08	-32.42
5825MHz	Pass	5.89G	8G	PK	5.92482G	5.00	-55.22	-49.65	-48.59	-43.59	-26.86	-16.73
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	5.10435G	5.00	-60.65	-62.12	-58.31	-53.31	-41.20	-12.11
5180MHz	Pass	5.11G	5.15G	AV	5.11952G	5.00	-58.50	-59.39	-55.91	-50.91	-41.20	-9.71
5180MHz	Pass	5.35G	5.39G	AV	5.35008G	5.00	-63.41	-60.84	-58.93	-53.93	-41.20	-12.73
5180MHz	Pass	5.39G	8G	AV	5.39065G	5.00	-69.25	-69.99	-66.59	-61.59	-41.20	-20.39
5180MHz	Pass	1G	5.11G	PK	5.11G	5.00	-52.52	-54.97	-50.56	-45.56	-21.20	-24.36
5180MHz	Pass	5.11G	5.15G	PK	5.11784G	5.00	-49.54	-54.15	-48.25	-43.25	-21.20	-22.05
5180MHz	Pass	5.35G	5.39G	PK	5.35288G	5.00	-54.68	-53.35	-50.95	-45.95	-21.20	-24.75
5180MHz	Pass	5.39G	8G	PK	5.56813G	5.00	-60.09	-62.83	-58.24	-53.24	-27.00	-26.24
5200MHz	Pass	1G	5.11G	AV	5.10795G	5.00	-61.03	-59.21	-57.02	-52.02	-41.20	-10.82

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5200MHz	Pass	5.11G	5.15G	AV	5.12064G	5.00	-59.55	-57.40	-55.33	-50.33	-41.20	-9.13
5200MHz	Pass	5.35G	5.39G	AV	5.35008G	5.00	-62.00	-58.91	-57.18	-52.18	-41.20	-10.98
5200MHz	Pass	5.39G	8G	AV	5.40925G	5.00	-66.85	-67.77	-64.28	-59.28	-41.20	-18.08
5200MHz	Pass	1G	5.11G	PK	5.10846G	5.00	-53.31	-51.40	-49.24	-44.24	-21.20	-23.04
5200MHz	Pass	5.11G	5.15G	PK	5.12184G	5.00	-52.06	-48.93	-47.21	-42.21	-21.20	-21.01
5200MHz	Pass	5.35G	5.39G	PK	5.35368G	5.00	-54.40	-50.10	-48.73	-43.73	-21.20	-22.53
5200MHz	Pass	5.39G	8G	PK	5.71658G	5.00	-58.27	-61.40	-56.55	-51.55	-27.00	-24.55
5240MHz	Pass	1G	5.11G	AV	5.04013G	5.00	-60.85	-65.22	-59.50	-54.50	-41.20	-13.30
5240MHz	Pass	5.11G	5.15G	AV	5.12G	5.00	-60.72	-61.22	-57.95	-52.95	-41.20	-11.75
5240MHz	Pass	5.35G	5.39G	AV	5.3508G	5.00	-62.14	-58.20	-56.73	-51.73	-41.20	-10.53
5240MHz	Pass	5.39G	8G	AV	5.42197G	5.00	-67.71	-67.50	-64.59	-59.59	-41.20	-18.39
5240MHz	Pass	1G	5.11G	PK	5.10589G	5.00	-56.14	-55.44	-52.77	-47.77	-21.20	-26.57
5240MHz	Pass	5.11G	5.15G	PK	5.12016G	5.00	-54.07	-51.91	-49.85	-44.85	-21.20	-23.65
5240MHz	Pass	5.35G	5.39G	PK	5.3508G	5.00	-53.37	-50.03	-48.38	-43.38	-21.20	-22.18
5240MHz	Pass	5.39G	8G	PK	5.66079G	5.00	-59.03	-61.72	-57.16	-52.16	-27.00	-25.16
5745MHz	Pass	1G	5.685G	AV	5.36876G	5.00	-66.33	-69.99	-64.78	-59.78	-41.20	-18.58
5745MHz	Pass	5.89G	8G	AV	7.61783G	5.00	-74.68	-72.75	-70.60	-65.60	-41.20	-24.40
5745MHz	Pass	1G	5.685G	PK	5.64752G	5.00	-58.71	-46.90	-46.62	-41.62	-27.00	-14.62
5745MHz	Pass	5.685G	5.725G	PK	5.68612G	5.00	-41.73	-33.49	-32.88	-27.88	-0.27	-27.61
5745MHz	Pass	5.85G	5.89G	PK	5.888G	5.00	-55.55	-54.61	-52.04	-47.04	0.38	-47.42
5745MHz	Pass	5.89G	8G	PK	5.93668G	5.00	-59.40	-54.21	-53.06	-48.06	-27.00	-21.06
5785MHz	Pass	1G	5.685G	AV	5.42733G	5.00	-65.69	-68.25	-63.77	-58.77	-41.20	-17.57
5785MHz	Pass	5.89G	8G	AV	7.35302G	5.00	-73.95	-75.53	-71.66	-66.66	-41.20	-25.46
5785MHz	Pass	1G	5.685G	PK	5.64108G	5.00	-56.95	-60.17	-55.26	-50.26	-27.00	-23.26
5785MHz	Pass	5.685G	5.725G	PK	5.685G	5.00	-52.99	-48.66	-47.30	-42.30	-1.10	-41.20
5785MHz	Pass	5.85G	5.89G	PK	5.88952G	5.00	-55.92	-48.92	-48.13	-43.13	-0.74	-42.39
5785MHz	Pass	5.89G	8G	PK	5.92508G	5.00	-58.75	-54.90	-53.40	-48.40	-27.00	-21.40
5825MHz	Pass	1G	5.685G	AV	5.44255G	5.00	-66.49	-66.60	-63.53	-58.53	-41.20	-17.33
5825MHz	Pass	5.89G	8G	AV	7.25174G	5.00	-73.98	-74.85	-71.38	-66.38	-41.20	-25.18
5825MHz	Pass	1G	5.685G	PK	5.46598G	5.00	-58.71	-60.60	-56.54	-51.54	-27.00	-24.54
5825MHz	Pass	5.685G	5.725G	PK	5.68548G	5.00	-56.38	-55.62	-52.97	-47.97	-0.74	-47.23
5825MHz	Pass	5.85G	5.89G	PK	5.88728G	5.00	-44.69	-35.17	-34.71	-29.71	0.91	-30.62
5825MHz	Pass	5.89G	8G	PK	5.9235G	5.00	-56.54	-46.86	-46.42	-41.42	-25.89	-15.53
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	4.99G	AV	4.98501G	5.00	-69.28	-67.06	-65.02	-60.02	-41.20	-18.82
5210MHz	Pass	4.99G	5.15G	AV	5.11992G	5.00	-56.16	-57.35	-53.70	-48.70	-41.20	-7.50
5210MHz	Pass	5.35G	5.51G	AV	5.35096G	5.00	-61.96	-59.44	-57.51	-52.51	-41.20	-11.31
5210MHz	Pass	5.51G	8G	AV	7.31276G	5.00	-70.35	-73.97	-68.78	-63.78	-41.20	-22.58
5210MHz	Pass	1G	4.99G	PK	4.40447G	5.00	-64.95	-68.34	-63.31	-58.31	-27.00	-31.31
5210MHz	Pass	4.99G	5.15G	PK	5.12536G	5.00	-46.66	-49.88	-44.97	-39.97	-21.20	-18.77
5210MHz	Pass	5.35G	5.51G	PK	5.35128G	5.00	-54.82	-52.01	-50.18	-45.18	-21.20	-23.98
5210MHz	Pass	5.51G	8G	PK	5.69115G	5.00	-60.24	-63.26	-58.48	-53.48	-27.00	-26.48
5775MHz	Pass	1G	5.565G	AV	5.41835G	5.00	-67.01	-65.70	-63.30	-58.30	-41.20	-17.10
5775MHz	Pass	6.01G	8G	AV	7.61046G	5.00	-73.08	-70.77	-68.76	-63.76	-41.20	-22.56
5775MHz	Pass	1G	5.565G	PK	5.56044G	5.00	-54.68	-54.60	-51.63	-46.63	-27.00	-19.63
5775MHz	Pass	5.565G	5.725G	PK	5.64852G	5.00	-42.23	-42.45	-39.33	-34.33	-27.00	-7.33
5775MHz	Pass	5.85G	6.01G	PK	5.9284G	5.00	-45.05	-42.58	-40.63	-35.63	-27.00	-8.63
5775MHz	Pass	6.01G	8G	PK	6.01498G	5.00	-59.16	-52.51	-51.66	-46.66	-27.00	-19.66

DG = Directional Gain;
PX=Port X; **Psum**=P1+.P2+...PX

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

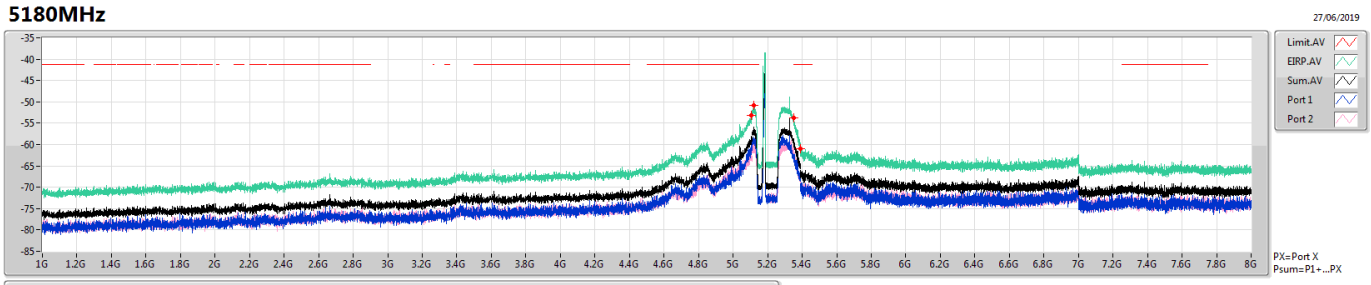
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.10897G	-44.43	-21.20	-23.23	5.00	0.00	-49.43	-50.91	-54.81
5.11G	5.15G	1M	PK	5.11312G	-43.30	-21.20	-22.10	5.00	0.00	-48.30	-50.00	-53.20
5.35G	5.39G	1M	PK	5.35336G	-46.23	-21.20	-25.03	5.00	0.00	-51.23	-53.93	-54.57
5.39G	8G	1M	PK	5.67221G	-52.79	-27.00	-25.79	5.00	0.00	-57.79	-59.26	-63.22

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

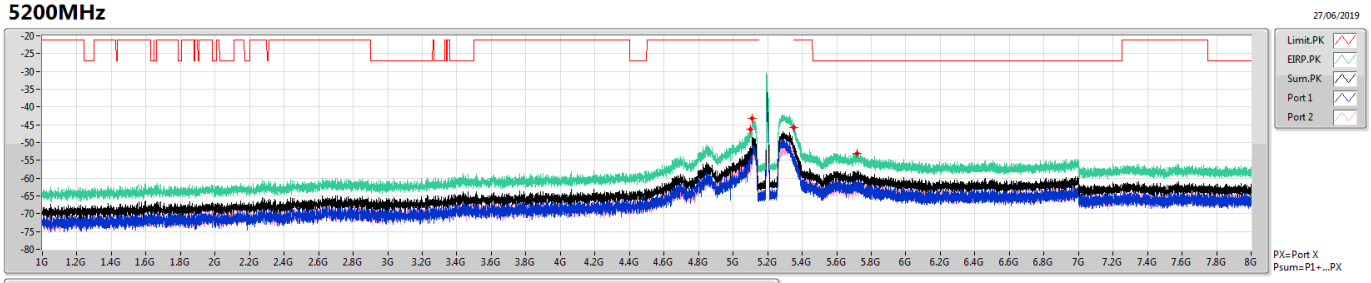
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	5.10589G	-53.10	-41.20	-11.90	5.00	0.00	-58.10	-61.06	-61.17
5.11G	5.15G	1M	AV	5.12G	-50.80	-41.20	-9.60	5.00	0.00	-55.80	-58.15	-59.60
5.35G	5.39G	1M	AV	5.35024G	-53.68	-41.20	-12.48	5.00	0.00	-58.68	-63.04	-60.66
5.39G	8G	1M	AV	5.39033G	-61.04	-41.20	-19.84	5.00	0.00	-66.04	-69.74	-68.46

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

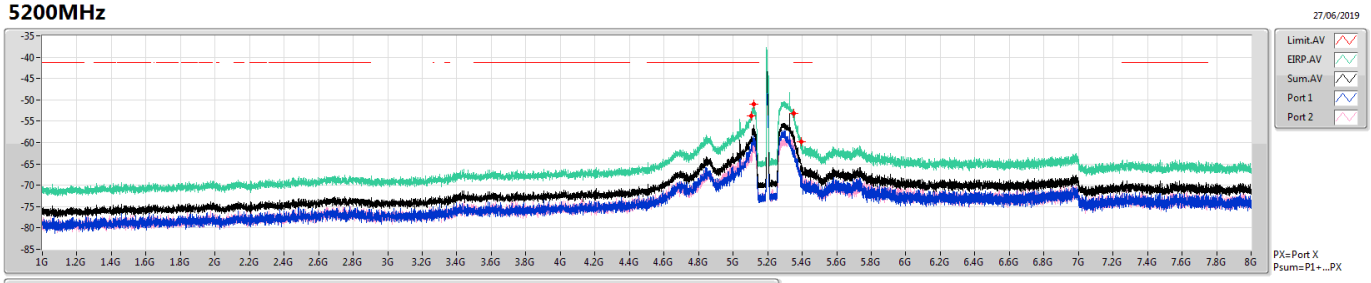
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.10281G	-46.27	-21.20	-25.07	5.00	0.00	-51.27	-53.30	-55.54
5.11G	5.15G	1M	PK	5.11136G	-43.32	-21.20	-22.12	5.00	0.00	-48.32	-50.66	-52.13
5.35G	5.39G	1M	PK	5.35032G	-45.67	-21.20	-24.47	5.00	0.00	-50.67	-54.00	-53.39
5.39G	8G	1M	PK	5.71625G	-53.00	-27.00	-26.00	5.00	0.00	-58.00	-61.17	-60.86

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

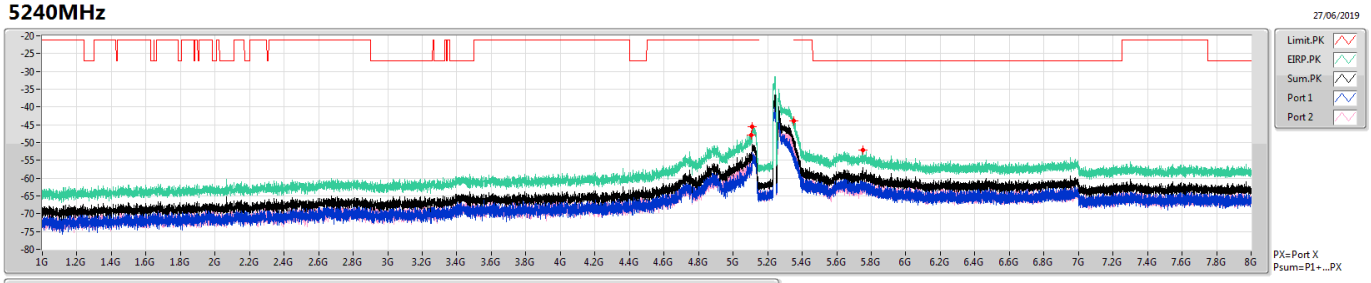
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	5.10384G	-53.71	-41.20	-12.51	5.00	0.00	-58.71	-60.09	-64.35
5.11G	5.15G	1M	AV	5.11992G	-50.95	-41.20	-9.75	5.00	0.00	-55.95	-58.08	-60.07
5.35G	5.39G	1M	AV	5.35152G	-53.24	-41.20	-12.04	5.00	0.00	-58.24	-61.76	-60.80
5.39G	8G	1M	AV	5.39261G	-59.89	-41.20	-18.69	5.00	0.00	-64.89	-67.38	-68.49

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

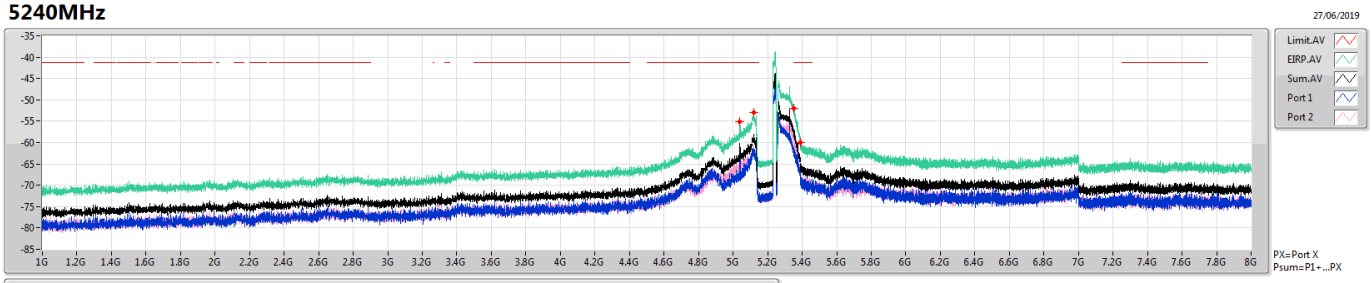
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.10486G	-47.91	-21.20	-26.71	5.00	0.00	-52.91	-55.86	-55.99
5.11G	5.15G	1M	PK	5.112G	-45.43	-21.20	-24.23	5.00	0.00	-50.43	-52.35	-54.89
5.35G	5.39G	1M	PK	5.35048G	-43.94	-21.20	-22.74	5.00	0.00	-48.94	-54.45	-50.37
5.39G	8G	1M	PK	5.75116G	-52.05	-27.00	-25.05	5.00	0.00	-57.05	-58.90	-61.64

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

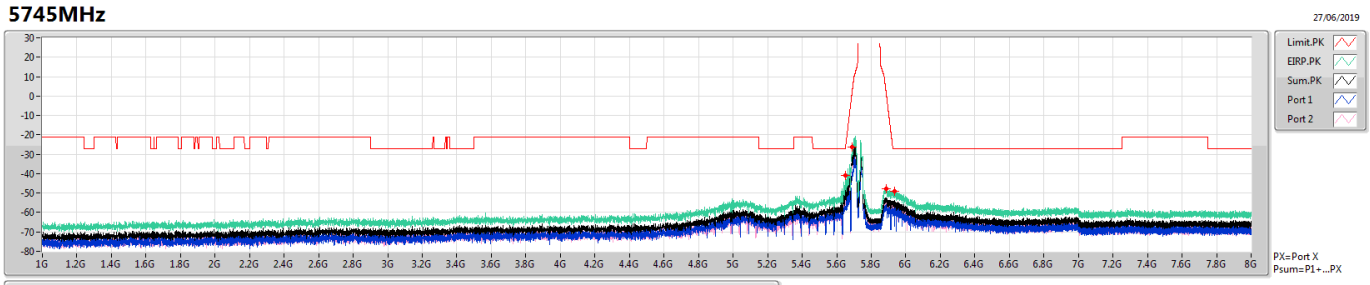
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	5.04013G	-55.20	-41.20	-14.00	5.00	0.00	-60.20	-61.50	-66.09
5.11G	5.15G	1M	AV	5.12G	-52.99	-41.20	-11.79	5.00	0.00	-57.99	-61.53	-60.53
5.35G	5.39G	1M	AV	5.35144G	-51.96	-41.20	-10.76	5.00	0.00	-56.96	-62.35	-58.44
5.39G	8G	1M	AV	5.39098G	-59.91	-41.20	-18.71	5.00	0.00	-64.91	-68.56	-67.37

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

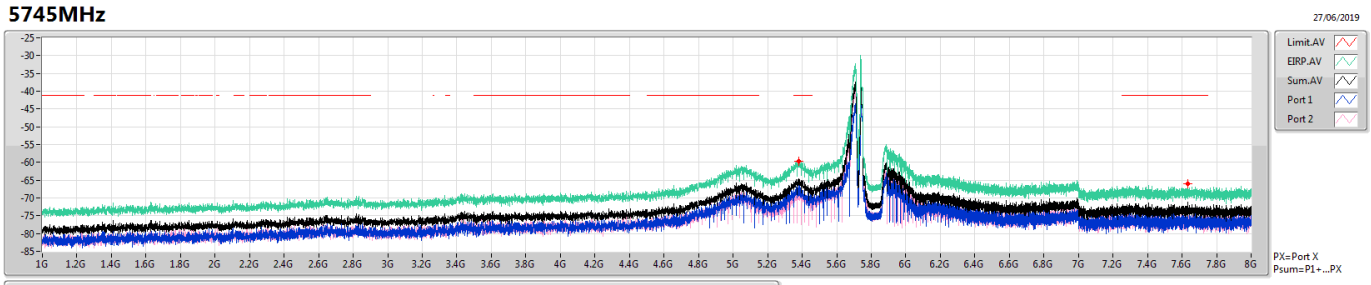
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	PK	5.65045G	-40.90	-26.67	-14.23	5.00	0.00	-45.90	-57.14	-46.24
5.685G	5.725G	1M	PK	5.68812G	-26.33	1.21	-27.54	5.00	0.00	-31.33	-41.44	-31.77
5.85G	5.89G	1M	PK	5.88912G	-47.62	-0.45	-47.17	5.00	0.00	-52.62	-55.76	-55.50
5.89G	8G	1M	PK	5.93378G	-48.99	-27.00	-21.99	5.00	0.00	-53.99	-61.11	-54.93

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

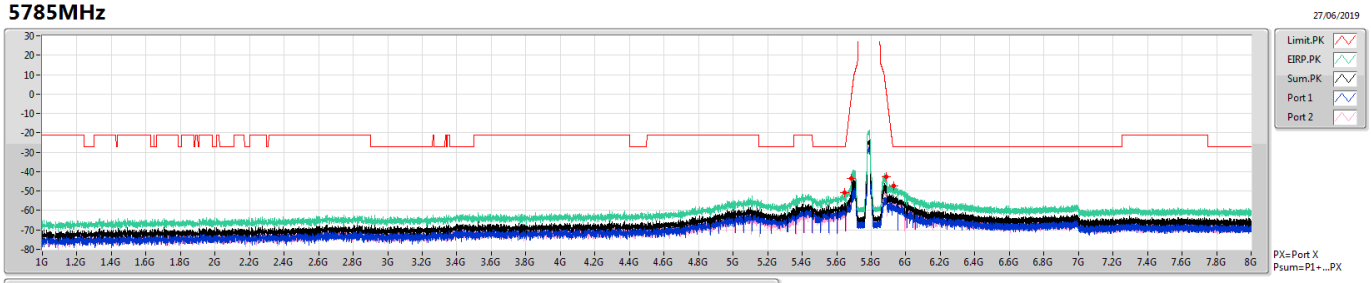
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	AV	5.38282G	-59.61	-41.20	-18.41	5.00	0.00	-64.61	-66.82	-68.59
5.89G	8G	1M	AV	7.63444G	-66.08	-41.20	-24.88	5.00	0.00	-71.08	-73.74	-74.48

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

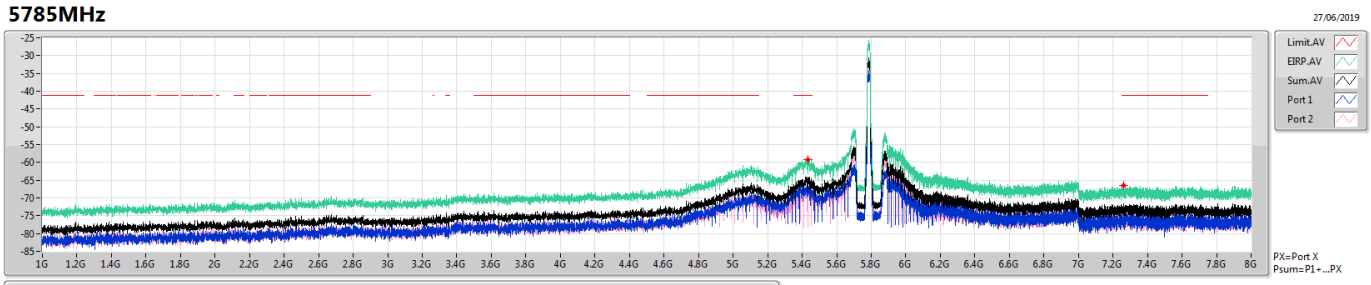
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	PK	5.64518G	-50.77	-27.00	-23.77	5.00	0.00	-55.77	-58.91	-58.65
5.685G	5.725G	1M	PK	5.68516G	-43.40	-0.98	-42.42	5.00	0.00	-48.40	-55.57	-49.33
5.85G	5.89G	1M	PK	5.88832G	-42.62	0.14	-42.76	5.00	0.00	-47.62	-55.35	-48.42
5.89G	8G	1M	PK	5.92956G	-47.55	-27.00	-20.55	5.00	0.00	-52.55	-59.64	-53.50

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

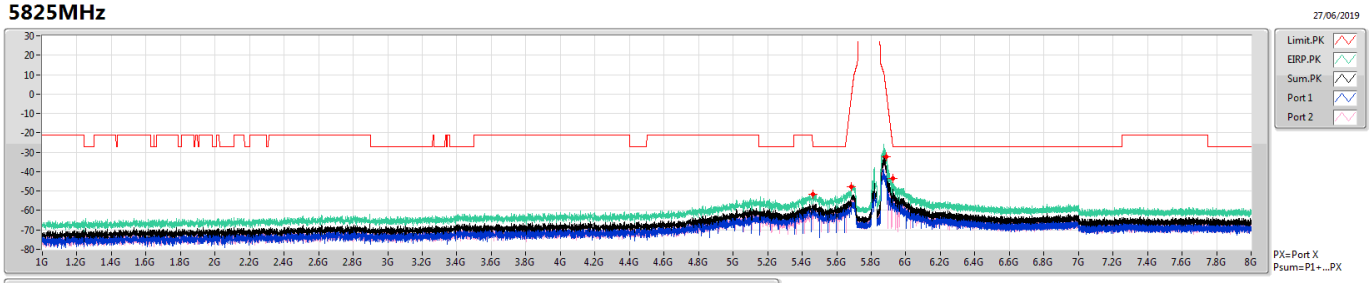
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	AV	5.43318G	-59.12	-41.20	-17.92	5.00	0.00	-64.12	-66.80	-67.49
5.89G	8G	1M	AV	7.26335G	-66.53	-41.20	-25.33	5.00	0.00	-71.53	-75.17	-73.99

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

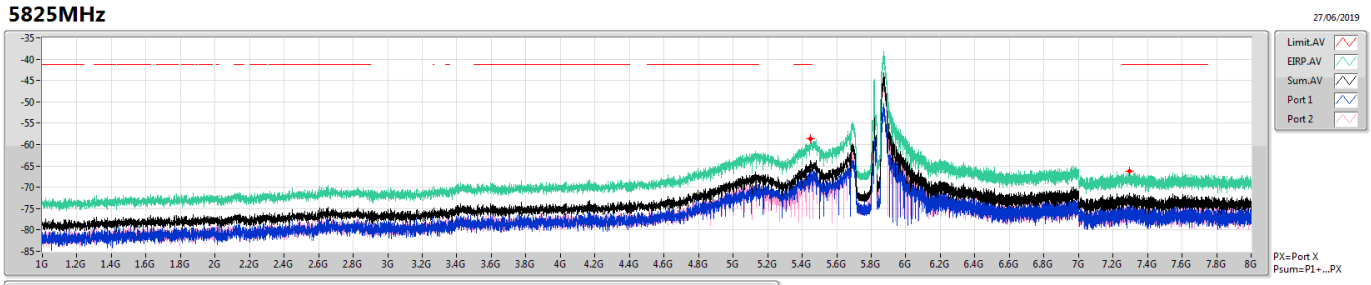
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	PK	5.46246G	-51.54	-27.00	-24.54	5.00	0.00	-56.54	-59.57	-59.54
5.685G	5.725G	1M	PK	5.685G	-47.77	-1.10	-46.67	5.00	0.00	-52.77	-56.29	-55.32
5.85G	5.89G	1M	PK	5.8884G	-32.34	0.08	-32.42	5.00	0.00	-37.34	-46.53	-37.90
5.89G	8G	1M	PK	5.92482G	-43.59	-26.86	-16.73	5.00	0.00	-48.59	-55.22	-49.65

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

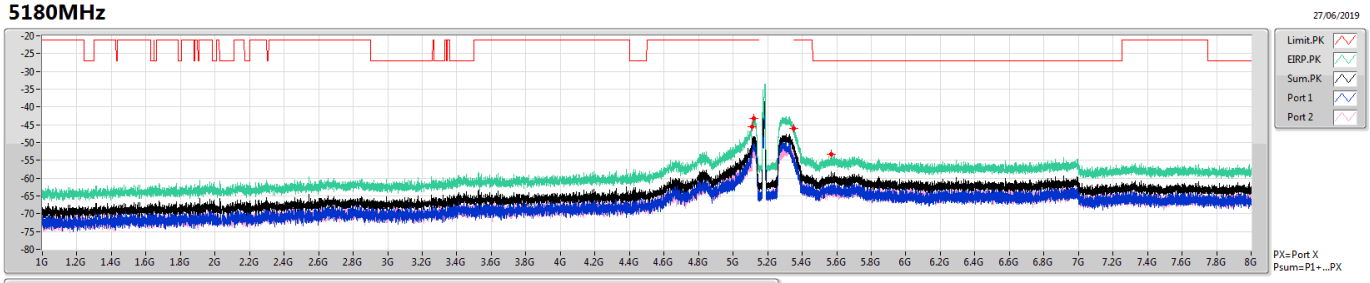
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	AV	5.45016G	-58.70	-41.20	-17.50	5.00	0.00	-63.70	-65.52	-68.37
5.89G	8G	1M	AV	7.29763G	-66.26	-41.20	-25.06	5.00	0.00	-71.26	-74.62	-73.94

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

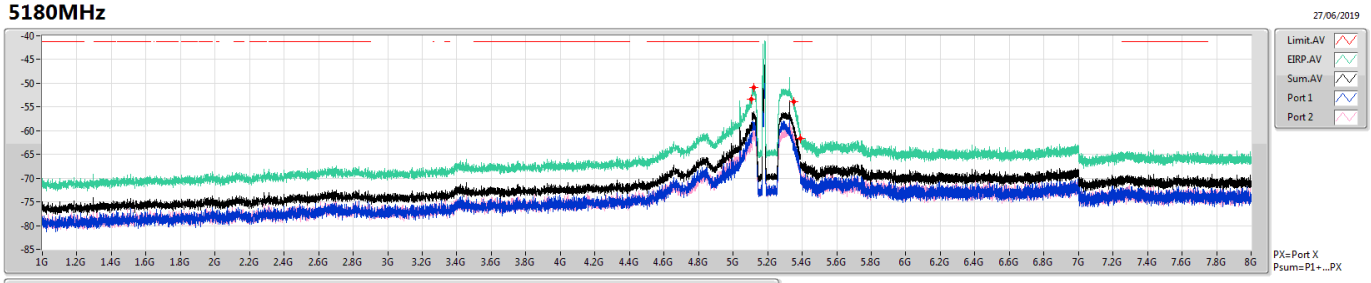
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.11G	-45.56	-21.20	-24.36	5.00	0.00	-50.56	-52.52	-54.97
5.11G	5.15G	1M	PK	5.11784G	-43.25	-21.20	-22.05	5.00	0.00	-48.25	-49.54	-54.15
5.35G	5.39G	1M	PK	5.35288G	-45.95	-21.20	-24.75	5.00	0.00	-50.95	-54.68	-53.35
5.39G	8G	1M	PK	5.56813G	-53.24	-27.00	-26.24	5.00	0.00	-58.24	-60.09	-62.83

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

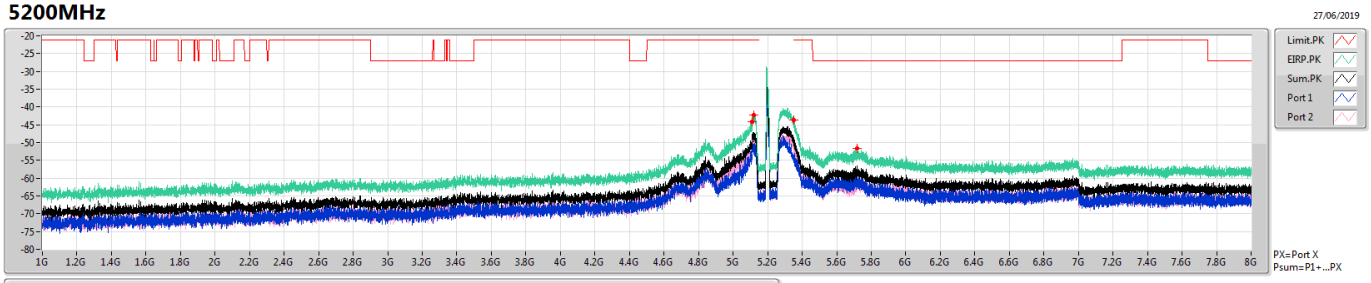
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	5.10435G	-53.31	-41.20	-12.11	5.00	0.00	-58.31	-60.65	-62.12
5.11G	5.15G	1M	AV	5.11952G	-50.91	-41.20	-9.71	5.00	0.00	-55.91	-58.50	-59.39
5.35G	5.39G	1M	AV	5.35008G	-53.93	-41.20	-12.73	5.00	0.00	-58.93	-63.41	-60.84
5.39G	8G	1M	AV	5.39065G	-61.59	-41.20	-20.39	5.00	0.00	-66.59	-69.25	-69.99

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

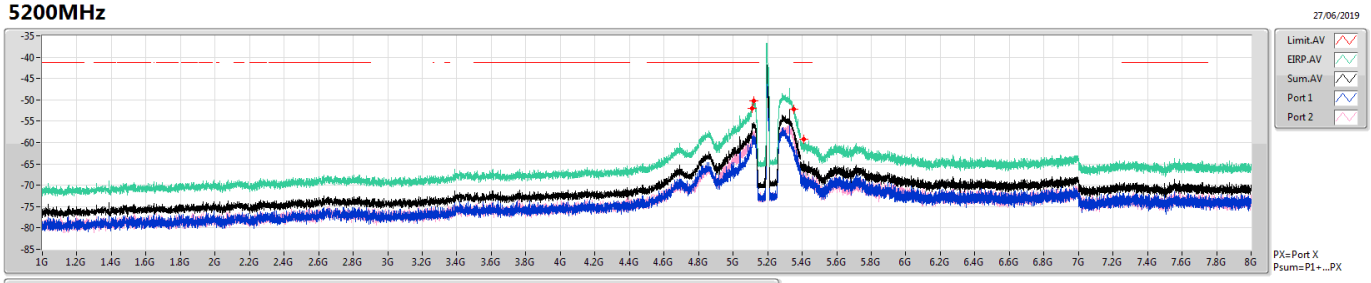
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.10846G	-44.24	-21.20	-23.04	5.00	0.00	-49.24	-53.31	-51.40
5.11G	5.15G	1M	PK	5.12184G	-42.21	-21.20	-21.01	5.00	0.00	-47.21	-52.06	-48.93
5.35G	5.39G	1M	PK	5.35368G	-43.73	-21.20	-22.53	5.00	0.00	-48.73	-54.40	-50.10
5.39G	8G	1M	PK	5.71658G	-51.55	-27.00	-24.55	5.00	0.00	-56.55	-58.27	-61.40

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

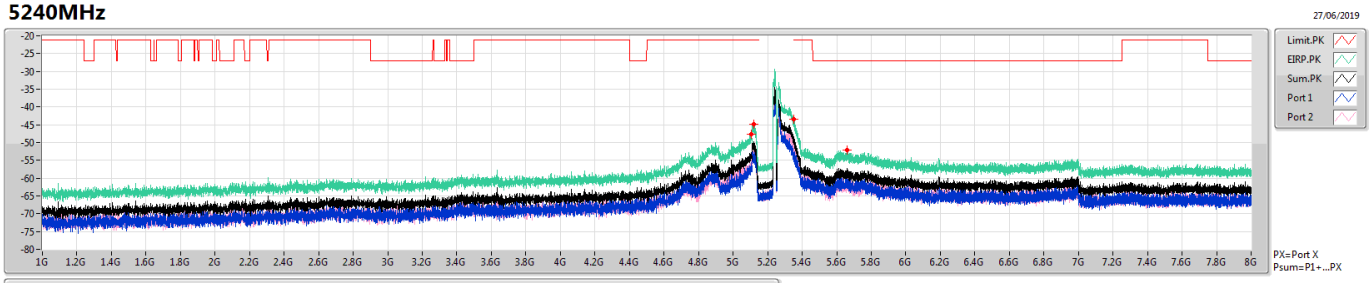
5200MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	5.10795G	-52.02	-41.20	-10.82	5.00	0.00	-57.02	-61.03	-59.21
5.11G	5.15G	1M	AV	5.12064G	-50.33	-41.20	-9.13	5.00	0.00	-55.33	-59.55	-57.40
5.35G	5.39G	1M	AV	5.35008G	-52.18	-41.20	-10.98	5.00	0.00	-57.18	-62.00	-58.91
5.39G	8G	1M	AV	5.40925G	-59.28	-41.20	-18.08	5.00	0.00	-64.28	-66.85	-67.77

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

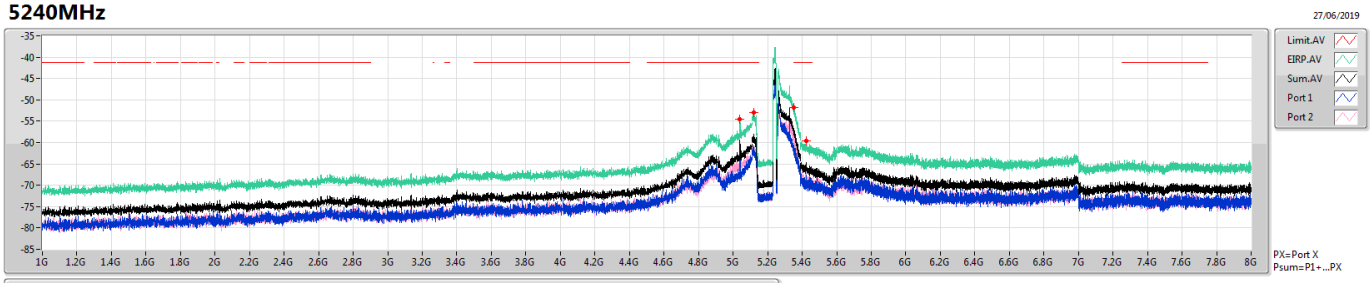
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.10589G	-47.77	-21.20	-26.57	5.00	0.00	-52.77	-56.14	-55.44
5.11G	5.15G	1M	PK	5.12016G	-44.85	-21.20	-23.65	5.00	0.00	-49.85	-54.07	-51.91
5.35G	5.39G	1M	PK	5.3508G	-43.38	-21.20	-22.18	5.00	0.00	-48.38	-53.37	-50.03
5.39G	8G	1M	PK	5.66079G	-52.16	-27.00	-25.16	5.00	0.00	-57.16	-59.03	-61.72

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

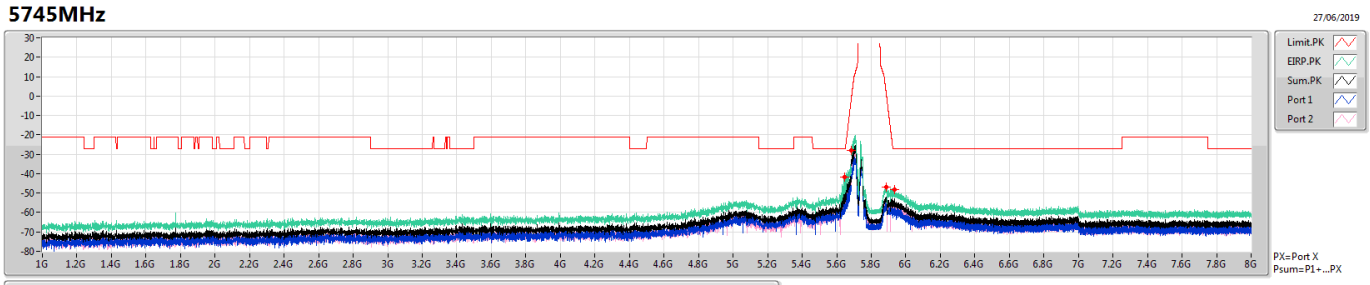
5240MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	5.04013G	-54.50	-41.20	-13.30	5.00	0.00	-59.50	-60.85	-65.22
5.11G	5.15G	1M	AV	5.12G	-52.95	-41.20	-11.75	5.00	0.00	-57.95	-60.72	-61.22
5.35G	5.39G	1M	AV	5.3508G	-51.73	-41.20	-10.53	5.00	0.00	-56.73	-62.14	-58.20
5.39G	8G	1M	AV	5.42197G	-59.59	-41.20	-18.39	5.00	0.00	-64.59	-67.71	-67.50

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

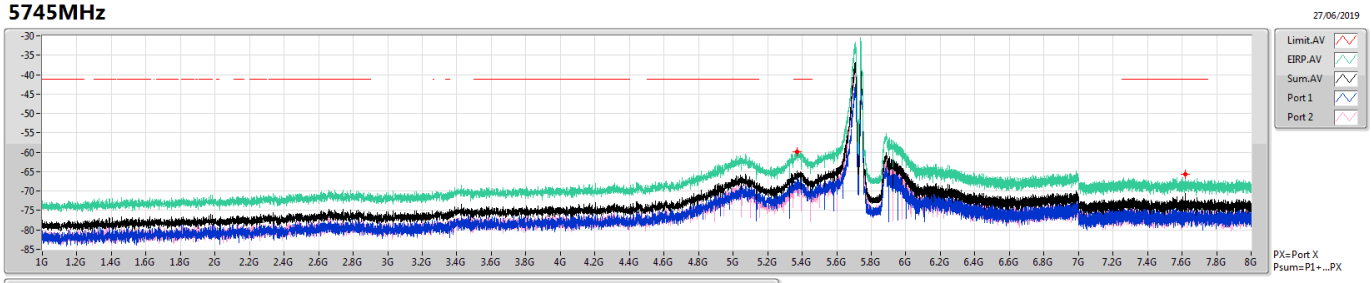
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	PK	5.64752G	-41.62	-27.00	-14.62	5.00	0.00	-46.62	-58.71	-46.90
5.685G	5.725G	1M	PK	5.68612G	-27.88	-0.27	-27.61	5.00	0.00	-32.88	-41.73	-33.49
5.85G	5.89G	1M	PK	5.888G	-47.04	0.38	-47.42	5.00	0.00	-52.04	-55.55	-54.61
5.89G	8G	1M	PK	5.93668G	-48.06	-27.00	-21.06	5.00	0.00	-53.06	-59.40	-54.21

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

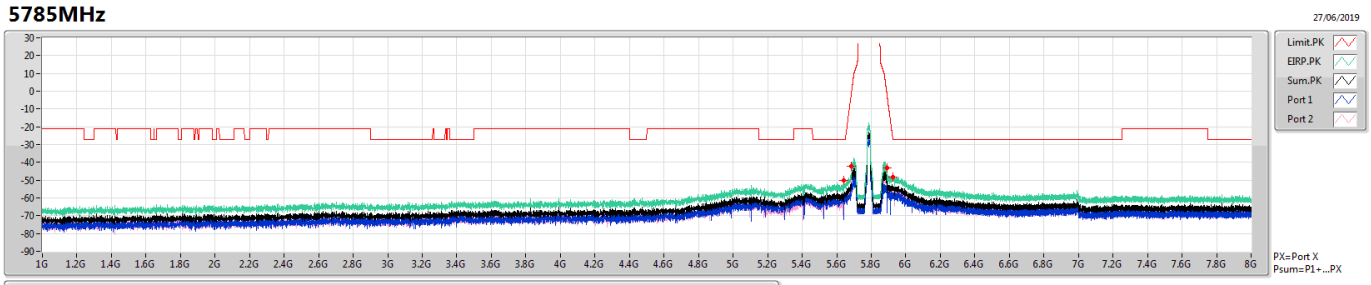
5745MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	AV	5.36876G	-59.78	-41.20	-18.58	5.00	0.00	-64.78	-66.33	-69.99
5.89G	8G	1M	AV	7.61783G	-65.60	-41.20	-24.40	5.00	0.00	-70.60	-74.68	-72.75

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

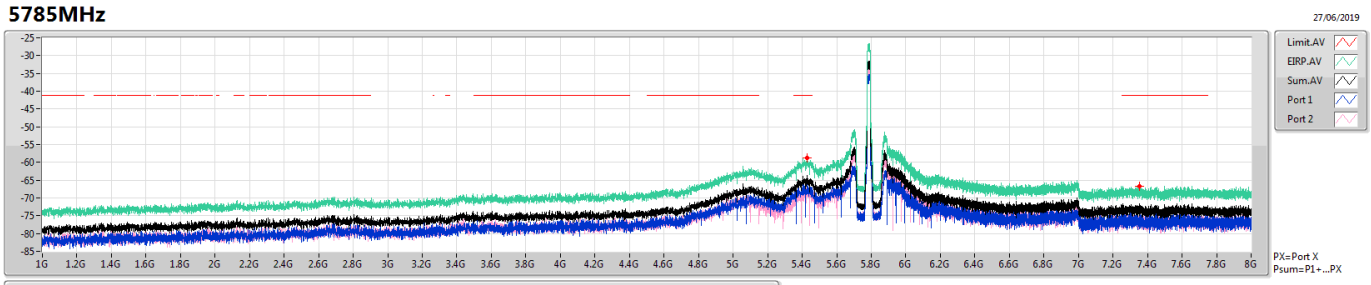
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	PK	5.64108G	-50.26	-27.00	-23.26	5.00	0.00	-55.26	-56.95	-60.17
5.685G	5.725G	1M	PK	5.685G	-42.30	-1.10	-41.20	5.00	0.00	-47.30	-52.99	-48.66
5.85G	5.89G	1M	PK	5.88952G	-43.13	-0.74	-42.39	5.00	0.00	-48.13	-55.92	-48.92
5.89G	8G	1M	PK	5.92508G	-48.40	-27.00	-21.40	5.00	0.00	-53.40	-58.75	-54.90

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

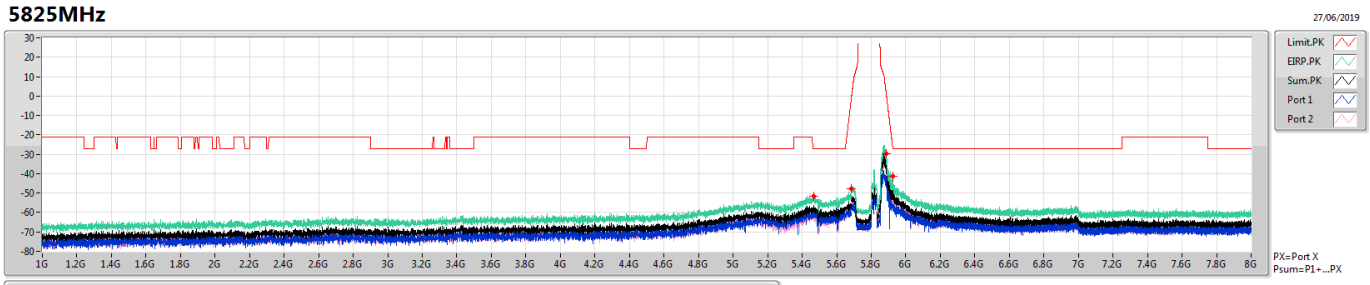
5785MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	AV	5.42733G	-58.77	-41.20	-17.57	5.00	0.00	-63.77	-65.69	-68.25
5.89G	8G	1M	AV	7.35302G	-66.66	-41.20	-25.46	5.00	0.00	-71.66	-73.95	-75.53

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-PK**

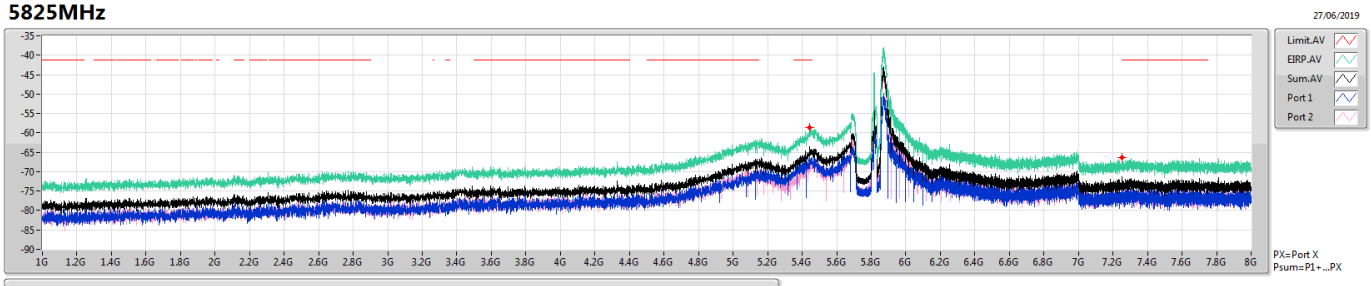
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	PK	5.46598G	-51.54	-27.00	-24.54	5.00	0.00	-56.54	-58.71	-60.60
5.685G	5.725G	1M	PK	5.68548G	-47.97	-0.74	-47.23	5.00	0.00	-52.97	-56.38	-55.62
5.85G	5.89G	1M	PK	5.88728G	-29.71	0.91	-30.62	5.00	0.00	-34.71	-44.69	-35.17
5.89G	8G	1M	PK	5.9235G	-41.42	-25.89	-15.53	5.00	0.00	-46.42	-56.54	-46.86

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE-AV**

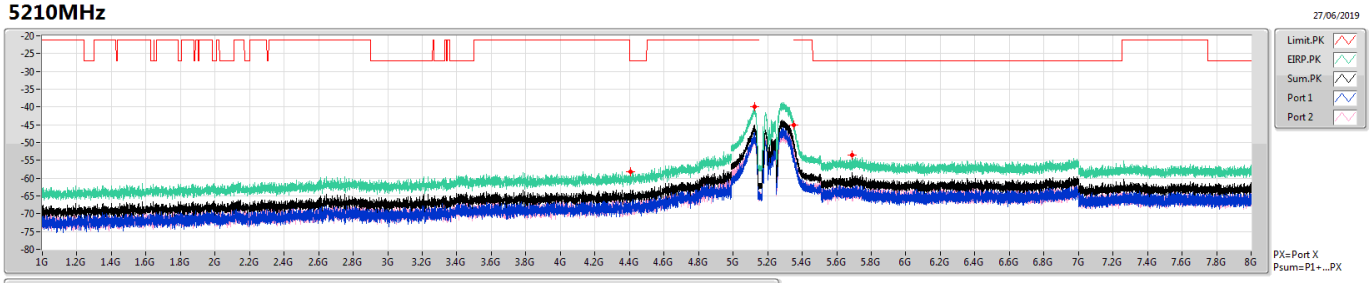
5825MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	AV	5.44255G	-58.53	-41.20	-17.33	5.00	0.00	-63.53	-66.49	-66.60
5.89G	8G	1M	AV	7.25174G	-66.38	-41.20	-25.18	5.00	0.00	-71.38	-73.98	-74.85

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-PK**

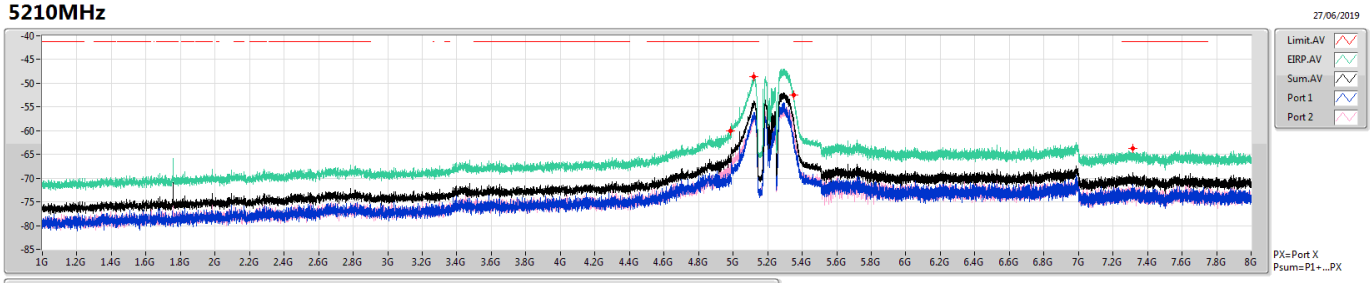
5210MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	4.99G	1M	PK	4.40447G	-58.31	-27.00	-31.31	5.00	0.00	-63.31	-64.95	-68.34
4.99G	5.15G	1M	PK	5.12536G	-39.97	-21.20	-18.77	5.00	0.00	-44.97	-46.66	-49.88
5.35G	5.51G	1M	PK	5.35128G	-45.18	-21.20	-23.98	5.00	0.00	-50.18	-54.82	-52.01
5.51G	8G	1M	PK	5.69115G	-53.48	-27.00	-26.48	5.00	0.00	-58.48	-60.24	-63.26

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-AV**

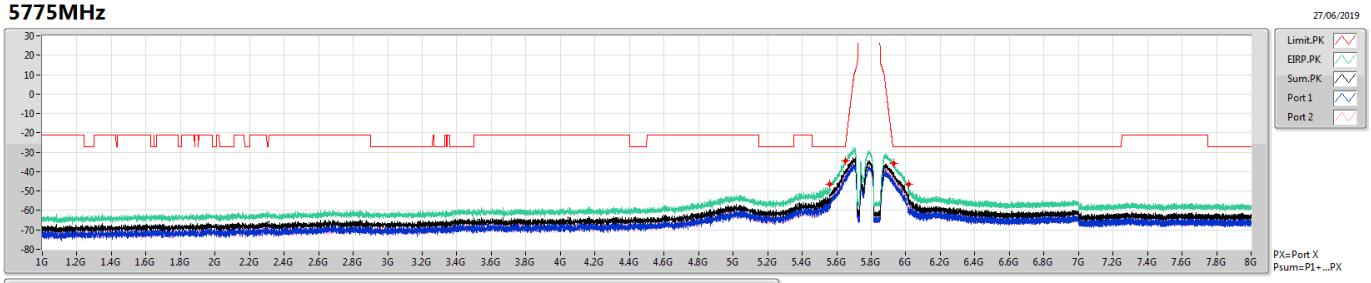
5210MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	4.99G	1M	AV	4.98501G	-60.02	-41.20	-18.82	5.00	0.00	-65.02	-69.28	-67.06
4.99G	5.15G	1M	AV	5.11992G	-48.70	-41.20	-7.50	5.00	0.00	-53.70	-56.16	-57.35
5.35G	5.51G	1M	AV	5.35096G	-52.51	-41.20	-11.31	5.00	0.00	-57.51	-61.96	-59.44
5.51G	8G	1M	AV	7.31276G	-63.78	-41.20	-22.58	5.00	0.00	-68.78	-70.35	-73.97

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-PK**

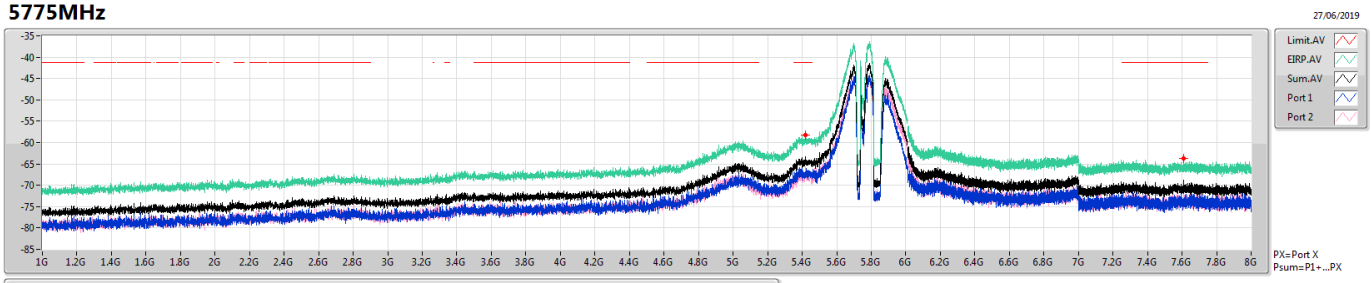
5775MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.565G	1M	PK	5.56044G	-46.63	-27.00	-19.63	5.00	0.00	-51.63	-54.68	-54.60
5.565G	5.725G	1M	PK	5.64852G	-34.33	-27.00	-7.33	5.00	0.00	-39.33	-42.23	-42.45
5.85G	6.01G	1M	PK	5.9284G	-35.63	-27.00	-8.63	5.00	0.00	-40.63	-45.05	-42.58
6.01G	8G	1M	PK	6.01498G	-46.66	-27.00	-19.66	5.00	0.00	-51.66	-59.16	-52.51

802.11ac VHT80_Nss1,(MCS0)_2TX **CSE-AV**

5775MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.565G	1M	AV	5.41835G	-58.30	-41.20	-17.10	5.00	0.00	-63.30	-67.01	-65.70
6.01G	8G	1M	AV	7.61046G	-63.76	-41.20	-22.56	5.00	0.00	-68.76	-73.08	-70.77

Harmonic: 8GHz~40GHz
Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	8G	40G	AV	39.998G	5.00	-68.34	-70.18	-66.15	-61.15	-41.20	-19.95
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.975G	5.00	-67.55	-69.37	-65.36	-60.36	-41.20	-19.16
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.99G	5.00	-68.27	-68.93	-65.58	-60.58	-41.20	-19.38
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	8G	40G	AV	39.992G	5.00	-66.91	-69.60	-65.04	-60.04	-41.20	-18.84
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.996G	5.00	-68.02	-68.86	-65.41	-60.41	-41.20	-19.21
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.99G	5.00	-68.35	-69.78	-66.00	-61.00	-41.20	-19.80

DG = Directional Gain;
PX=Port X; **Psum**=P1+.P2+...PX

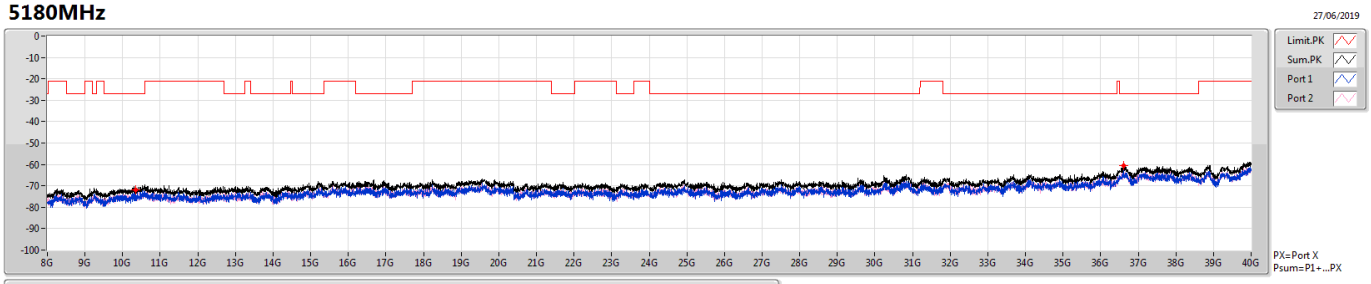
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	40G	AV	39.999G	5.00	-68.91	-69.50	-66.18	-61.18	-41.20	-19.98
5180MHz	Pass	8G	40G	PK	10.352G	5.00	-75.04	-74.56	-71.78	-66.78	-27.00	-39.78
5180MHz	Pass	8G	40G	PK	36.608G	5.00	-62.21	-65.40	-60.51	-55.51	-27.00	-28.51
5200MHz	Pass	8G	40G	AV	39.998G	5.00	-68.34	-70.18	-66.15	-61.15	-41.20	-19.95
5200MHz	Pass	8G	40G	PK	10.392G	5.00	-74.09	-75.01	-71.52	-66.52	-27.00	-39.52
5200MHz	Pass	8G	40G	PK	37.176G	5.00	-64.91	-62.46	-60.50	-55.50	-27.00	-28.50
5240MHz	Pass	8G	40G	AV	39.988G	5.00	-69.25	-69.07	-66.15	-61.15	-41.20	-19.95
5240MHz	Pass	8G	40G	PK	10.476G	5.00	-75.12	-74.21	-71.63	-66.63	-27.00	-39.63
5240MHz	Pass	8G	40G	PK	36.62G	5.00	-64.18	-61.63	-59.71	-54.71	-27.00	-27.71
5745MHz	Pass	8G	40G	AV	11.491G	5.00	-80.67	-82.05	-78.30	-73.30	-41.20	-32.10
5745MHz	Pass	8G	40G	AV	39.992G	5.00	-66.91	-69.60	-65.04	-60.04	-41.20	-18.84
5745MHz	Pass	8G	40G	PK	11.48G	5.00	-74.32	-75.34	-71.79	-66.79	-21.20	-45.59
5745MHz	Pass	8G	40G	PK	37.112G	5.00	-62.25	-65.20	-60.47	-55.47	-27.00	-28.47
5785MHz	Pass	8G	40G	AV	11.574G	5.00	-82.02	-83.04	-79.49	-74.49	-41.20	-33.29
5785MHz	Pass	8G	40G	AV	39.97G	5.00	-69.02	-68.41	-65.69	-60.69	-41.20	-19.49
5785MHz	Pass	8G	40G	PK	11.568G	5.00	-76.39	-74.43	-72.29	-67.29	-21.20	-46.09
5785MHz	Pass	8G	40G	PK	36.652G	5.00	-62.01	-63.98	-59.87	-54.87	-27.00	-27.87
5825MHz	Pass	8G	40G	AV	11.644G	5.00	-83.09	-81.21	-79.04	-74.04	-41.20	-32.84
5825MHz	Pass	8G	40G	AV	39.986G	5.00	-69.41	-68.41	-65.87	-60.87	-41.20	-19.67
5825MHz	Pass	8G	40G	PK	11.656G	5.00	-72.94	-75.79	-71.12	-66.12	-21.20	-44.92
5825MHz	Pass	8G	40G	PK	37.84G	5.00	-62.61	-64.35	-60.38	-55.38	-27.00	-28.38
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	40G	AV	39.975G	5.00	-67.55	-69.37	-65.36	-60.36	-41.20	-19.16
5180MHz	Pass	8G	40G	PK	10.36G	5.00	-73.50	-75.81	-71.49	-66.49	-27.00	-39.49
5180MHz	Pass	8G	40G	PK	37.16G	5.00	-65.17	-62.61	-60.69	-55.69	-27.00	-28.69
5200MHz	Pass	8G	40G	AV	39.991G	5.00	-69.18	-68.15	-65.62	-60.62	-41.20	-19.42
5200MHz	Pass	8G	40G	PK	10.404G	5.00	-74.49	-75.12	-71.78	-66.78	-27.00	-39.78
5200MHz	Pass	8G	40G	PK	37.712G	5.00	-62.64	-65.26	-60.75	-55.75	-27.00	-28.75
5240MHz	Pass	8G	40G	AV	39.873G	5.00	-69.80	-68.04	-65.82	-60.82	-41.20	-19.62
5240MHz	Pass	8G	40G	PK	10.484G	5.00	-73.57	-75.08	-71.25	-66.25	-27.00	-39.25
5240MHz	Pass	8G	40G	PK	36.648G	5.00	-63.96	-63.34	-60.63	-55.63	-27.00	-28.63
5745MHz	Pass	8G	40G	AV	11.495G	5.00	-80.93	-81.81	-78.34	-73.34	-41.20	-32.14
5745MHz	Pass	8G	40G	AV	39.996G	5.00	-68.02	-68.86	-65.41	-60.41	-41.20	-19.21
5745MHz	Pass	8G	40G	PK	11.488G	5.00	-74.41	-74.54	-71.46	-66.46	-21.20	-45.26
5745MHz	Pass	8G	40G	PK	37.12G	5.00	-63.74	-63.15	-60.42	-55.42	-27.00	-28.42
5785MHz	Pass	8G	40G	AV	11.576G	5.00	-82.83	-82.06	-79.42	-74.42	-41.20	-33.22
5785MHz	Pass	8G	40G	AV	39.993G	5.00	-67.76	-69.57	-65.56	-60.56	-41.20	-19.36
5785MHz	Pass	8G	40G	PK	11.576G	5.00	-76.99	-73.45	-71.86	-66.86	-21.20	-45.66
5785MHz	Pass	8G	40G	PK	37.084G	5.00	-61.96	-66.05	-60.53	-55.53	-27.00	-28.53
5825MHz	Pass	8G	40G	AV	11.651G	5.00	-82.31	-81.63	-78.95	-73.95	-41.20	-32.75
5825MHz	Pass	8G	40G	AV	39.995G	5.00	-69.97	-67.93	-65.82	-60.82	-41.20	-19.62
5825MHz	Pass	8G	40G	PK	11.656G	5.00	-75.65	-74.36	-71.95	-66.95	-21.20	-45.75
5825MHz	Pass	8G	40G	PK	36.64G	5.00	-63.70	-63.70	-60.69	-55.69	-27.00	-28.69
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8G	40G	AV	39.99G	5.00	-68.27	-68.93	-65.58	-60.58	-41.20	-19.38
5210MHz	Pass	8G	40G	PK	10.412G	5.00	-75.75	-73.87	-71.70	-66.70	-27.00	-39.70
5210MHz	Pass	8G	40G	PK	36.592G	5.00	-63.63	-62.82	-60.20	-55.20	-27.00	-28.20
5775MHz	Pass	8G	40G	AV	11.548G	5.00	-82.54	-81.97	-79.24	-74.24	-41.20	-33.04
5775MHz	Pass	8G	40G	AV	39.99G	5.00	-68.35	-69.78	-66.00	-61.00	-41.20	-19.80
5775MHz	Pass	8G	40G	PK	11.552G	5.00	-74.60	-75.31	-71.93	-66.93	-21.20	-45.73
5775MHz	Pass	8G	40G	PK	37.232G	5.00	-62.19	-64.87	-60.32	-55.32	-27.00	-28.32

DG = Directional Gain;
PX=Port X; **Psum**=P1+.P2+...PX

802.11a_Nss1,(6Mbps)_2TX **CSE-PK**

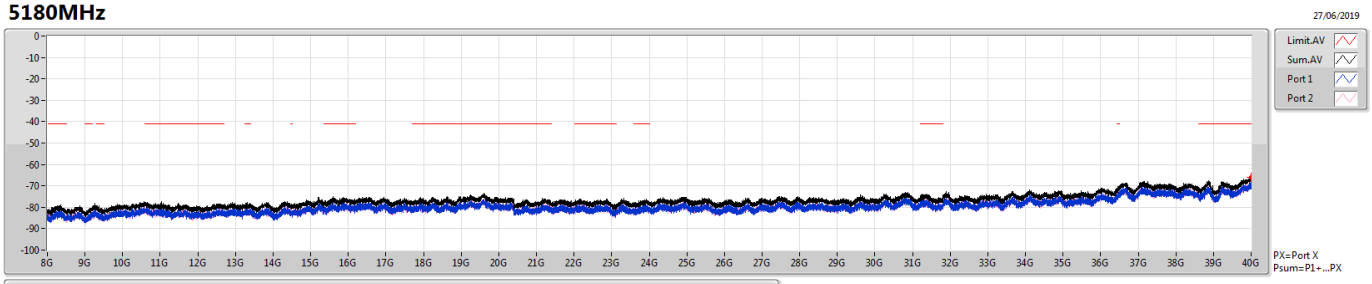
5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.352G	-66.78	-27.00	-39.78	5.00	0.00	-71.78	-75.04	-74.56
8G	40G	1M	PK	36.608G	-55.51	-27.00	-28.51	5.00	0.00	-60.51	-62.21	-65.40

802.11a_Nss1,(6Mbps)_2TX **CSE-AV**

5180MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	39.999G	-61.18	-41.20	-19.98	5.00	0.00	-66.18	-68.91	-69.50