



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

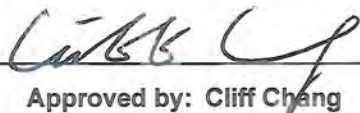
Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK

Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 29, 2019, and testing was started from Aug. 05, 2019 and completed on Aug. 21, 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 variant 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 Cheng

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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



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History of this test report

Report No.	Version	Description	Issued Date
FR932717-02	01	Initial issue of report	Sep. 05, 2019



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.3	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)
5250-5350	a, ac (VHT20)	5260-5320
5470-5725		5500-5700
5250-5350	ac (VHT80)	5290
5470-5725		5530-5610

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX

Note:

- ♦ 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 DFS Band Carrier Frequencies

There are two bandwidth systems.

For 20MHz bandwidth systems:

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5250~5350 MHz Band 2	1	5260 MHz	8	5295 MHz
	2	5265 MHz	9	5300 MHz
	3	5270 MHz	10	5305 MHz
	4	5275 MHz	11	5310 MHz
	5	5280 MHz	12	5315 MHz
	6	5285 MHz	13	5320 MHz
	7	5290 MHz	-	-
5470~5725 MHz Band 3	1	5500 MHz	22	5605 MHz
	2	5505 MHz	23	5610 MHz
	3	5510 MHz	24	5615 MHz
	4	5515 MHz	25	5620 MHz
	5	5520 MHz	26	5625 MHz
	6	5525 MHz	27	5630 MHz
	7	5530 MHz	28	5635 MHz
	8	5535 MHz	29	5640 MHz
	9	5540 MHz	30	5645 MHz
	10	5545 MHz	31	5650 MHz
	11	5550 MHz	32	5655 MHz
	12	5555 MHz	33	5660 MHz
	13	5560 MHz	34	5665 MHz
	14	5565 MHz	35	5670 MHz
	15	5570 MHz	36	5675 MHz
	16	5575 MHz	37	5680 MHz
	17	5580 MHz	38	5685 MHz
	18	5585 MHz	39	5690 MHz
	19	5590 MHz	40	5695 MHz
	20	5595 MHz	41	5700 MHz
	21	5600 MHz	-	-

For 80MHz bandwidth systems:

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5250~5350 MHz Band 2	1	5290 MHz	-	-
5470~5725 MHz Band 3	1	5530 MHz	10	5575 MHz
	2	5535 MHz	11	5580 MHz
	3	5540 MHz	12	5585 MHz
	4	5545 MHz	13	5590 MHz
	5	5550 MHz	14	5595 MHz
	6	5555 MHz	15	5600 MHz
	7	5560 MHz	16	5605 MHz
	8	5565 MHz	17	5610 MHz
	9	5570 MHz	-	-

1.1.3 Antenna Information

Ant.	Port	Brand	Model Name	Type	Connector	Gain (dBi)
1	1	TSKY	180-100-1051R	Patch	I-PEX	13
	2	TSKY	180-100-1051R	Patch	I-PEX	13
2	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 two antennas, and each antenna has two ports. (2TX/2RX)

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.4 Mode Test Duty Cycle

For EUT 1 + Ant. 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	0.939	0.27	1.149m	1k

For EUT 1 + Ant. 2:

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	0.939	0.27	1.149m	1k

Note:

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

1.1.5 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☐	Indoor P2M
	☒	Fixed P2P	☐	Client
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Communication Mode	☐	IP Based (Load Based)	☒	Frame Based
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	QRCT Version3.0.250.0			

Note1: The above information was declared by manufacturer.

Note2: While frame-based mechanism is implemented, the test procedure is the same with regular IEEE 802.11a/ac devices.



1.1.6 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	IPQ4019	The difference served as marketing strategy.
2	ePMP 5GHz Force 300-19 SM	ePMP 5GHz Force 300-19 SM	C058900P801A	Ant. 1 / 2	IPQ4019	
3	ePMP 5GHz Force 300-19R SM	ePMP 5GHz Force 300-19R SM	C058900P901A	Ant. 2	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 identical 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 (EUT 1) was selected as representative model for the test and its data was recorded in this report.

1.1.7 Table for Class III Change

This product is an extension of original one reported under Sporton project number: FR932717-01.

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Adding Band 2 and Band 3 (5250~5350 MHz, 5470~5725 MHz) for this device. 2. Adding client without radar detection mode in DFS Band.	1. Emission Bandwidth 2. Maximum Conducted Output Power 3. Peak Power Spectral Density 4. Unwanted Emissions <Above 1GHz>
3. Removing one set antenna (brand:ABRACON, model name: ARAMS-121, gain: 2 dBi)	It does not need to re-test.



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	TH02-CB	Owen Hsu	25.3-25.6°C / 62-64 %	Aug. 05, 2019~Aug. 08, 2019
Radiated	03CH01-CB	Paul Chen	22~24°C / 50~60%	Aug. 21, 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))

Test Items	Uncertainty	Remark
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 + Ant. 1:

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	13
5300MHz	13
5320MHz	13
5500MHz	13
5580MHz	13
5700MHz	13
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	13
5300MHz	13
5320MHz	13
5500MHz	13.5
5580MHz	13.5
5700MHz	13.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	9.5
5530MHz	9
5610MHz	13.5

**For EUT 1 + Ant. 2:**

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	7
5300MHz	7
5320MHz	5.5
5500MHz	5.5
5580MHz	6
5700MHz	6.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	7
5300MHz	7
5320MHz	5.5
5500MHz	5.5
5580MHz	6
5700MHz	7.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	4
5530MHz	4
5610MHz	7.5



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	EUT 1 + Ant. 1
2	EUT 1 + Ant. 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement
Operating Mode > 1GHz	CTX (Cabinet)
The EUT 1 was performed in X axis, Y axis and Z axis position, and the worst case was found in Y axis. So the measurement will follow this same test configuration.	
1	EUT 1 in Y axis
Test Condition	Conducted measurement
Operating Mode > 1GHz	CTX
1	EUT 1 + Ant. 1
2	EUT 1 + Ant. 2

Note: 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	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

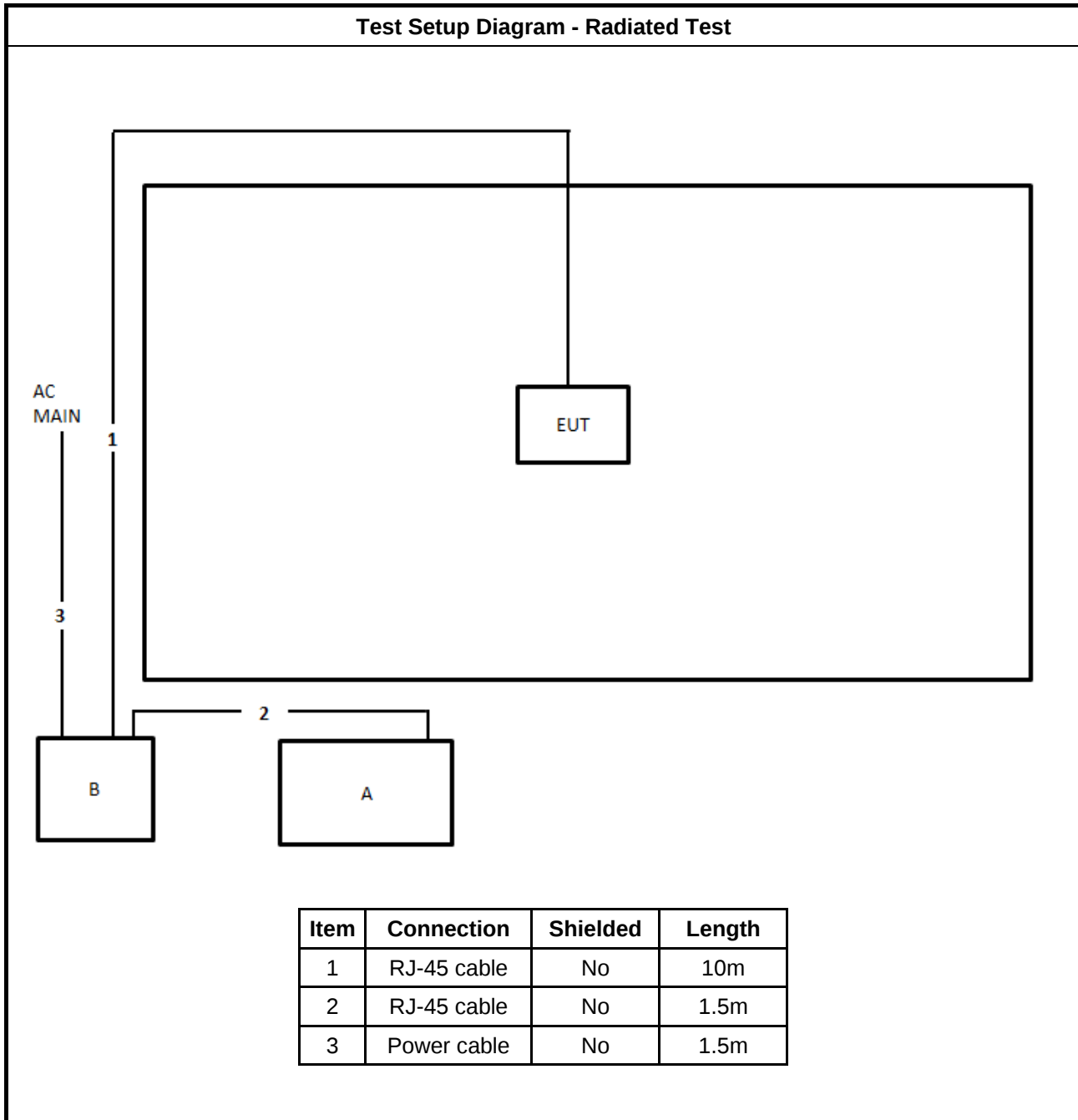
For Radiated:

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



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 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 $\geq$ 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 $\geq$ 500kHz.

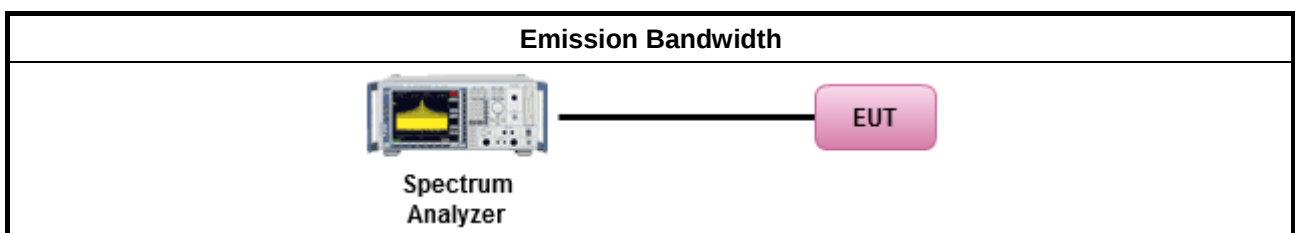
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup





3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 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.	

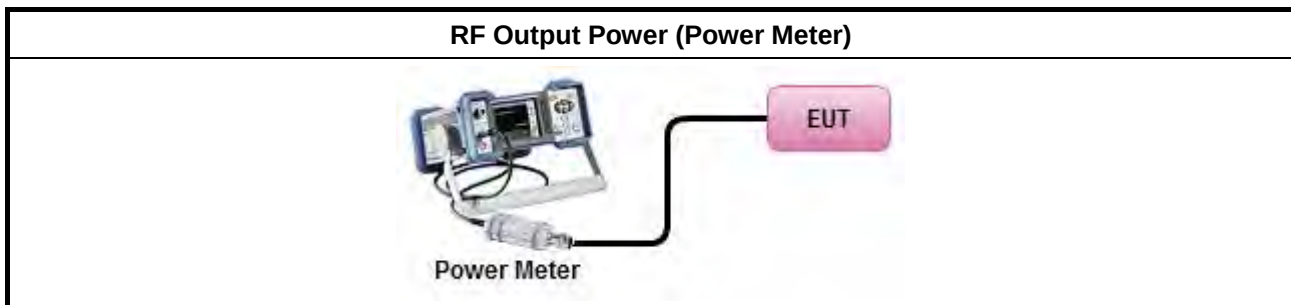
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B



3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

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

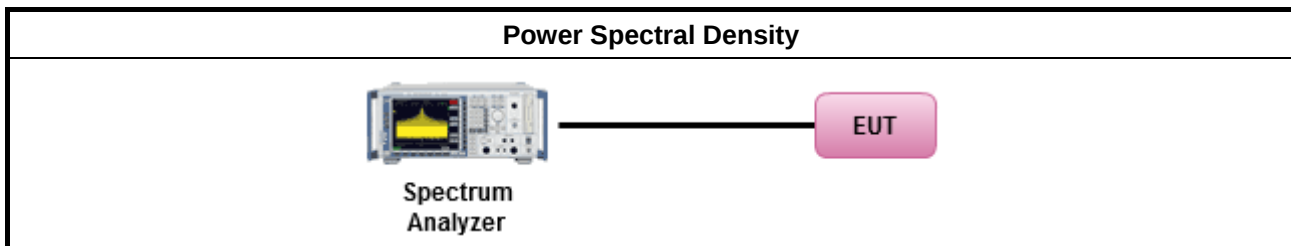
3.3.2 Measuring Instruments

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

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

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C



3.4 Unwanted Emissions

3.4.1 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).

3.4.2 Measuring Instruments

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

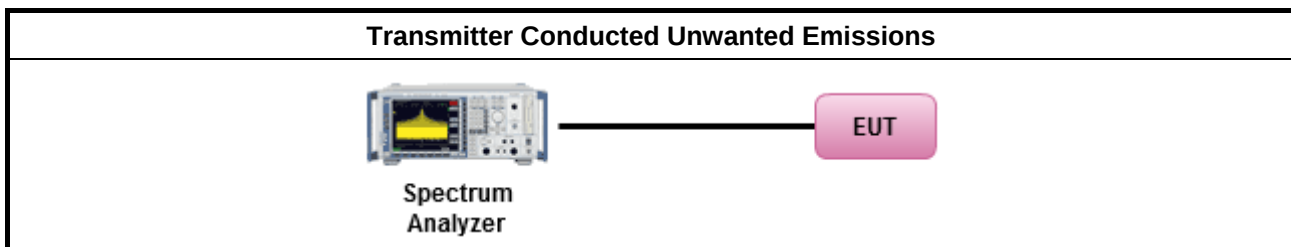
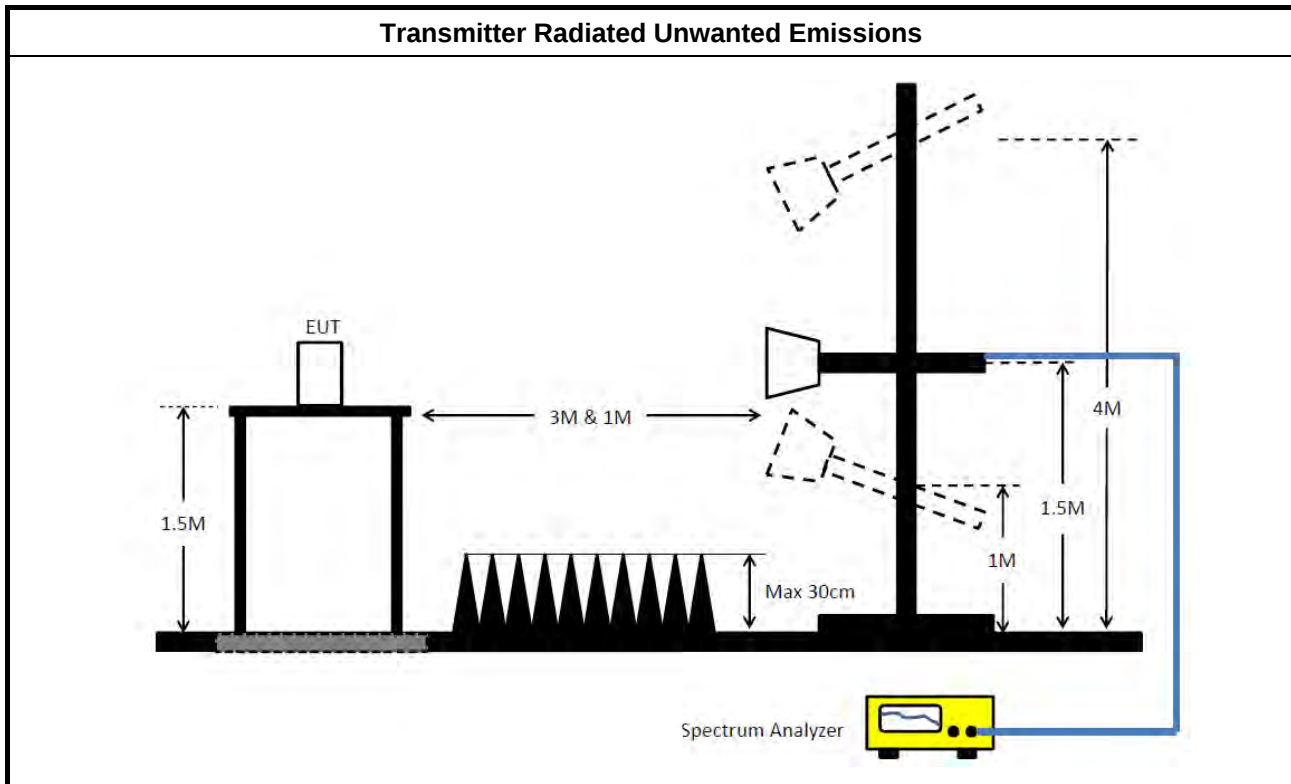
3.4.3 Test Procedures

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 $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
	For radiated measurement.
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	The any unwanted emissions level shall not exceed the fundamental emission level.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	



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.

3.4.4 Test Setup



3.4.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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. 27, 2019	Jun. 26, 2020	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 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)
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.

For EUT 1 + Ant. 1:

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.025M	16.417M	16M4D1D	18.825M	16.367M
802.11ac VHT20_Nss1,(MCS0)_2TX	19.975M	17.616M	17M6D1D	19.825M	17.566M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.3M	75.662M	75M7D1D	82.8M	75.662M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.1M	16.392M	16M4D1D	18.8M	16.367M
802.11ac VHT20_Nss1,(MCS0)_2TX	20M	17.616M	17M6D1D	19.825M	17.591M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.3M	75.862M	75M9D1D	83M	75.562M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

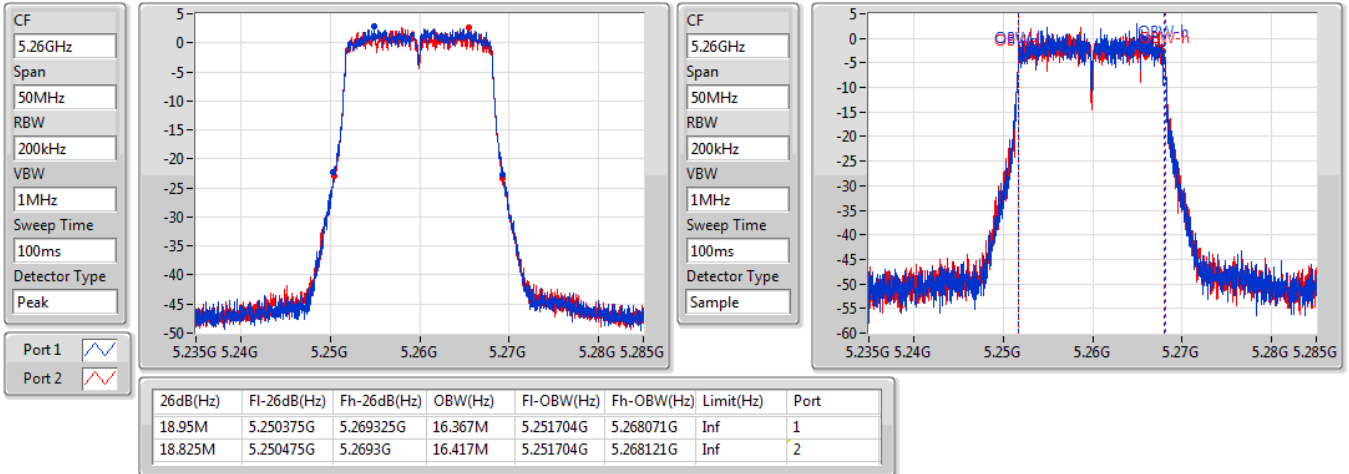
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	18.95M	16.367M	18.825M	16.417M
5300MHz	Pass	Inf	18.925M	16.367M	18.925M	16.417M
5320MHz	Pass	Inf	19.025M	16.392M	18.9M	16.392M
5500MHz	Pass	Inf	19.05M	16.392M	18.875M	16.367M
5580MHz	Pass	Inf	19.05M	16.392M	18.875M	16.367M
5700MHz	Pass	Inf	19.1M	16.367M	18.8M	16.392M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.825M	17.566M	19.975M	17.591M
5300MHz	Pass	Inf	19.975M	17.591M	19.825M	17.591M
5320MHz	Pass	Inf	19.875M	17.616M	19.875M	17.591M
5500MHz	Pass	Inf	20M	17.616M	19.95M	17.591M
5580MHz	Pass	Inf	19.9M	17.591M	19.825M	17.591M
5700MHz	Pass	Inf	19.875M	17.591M	20M	17.616M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.8M	75.662M	83.3M	75.662M
5530MHz	Pass	Inf	83.3M	75.662M	83.3M	75.562M
5610MHz	Pass	Inf	83.3M	75.762M	83M	75.862M

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

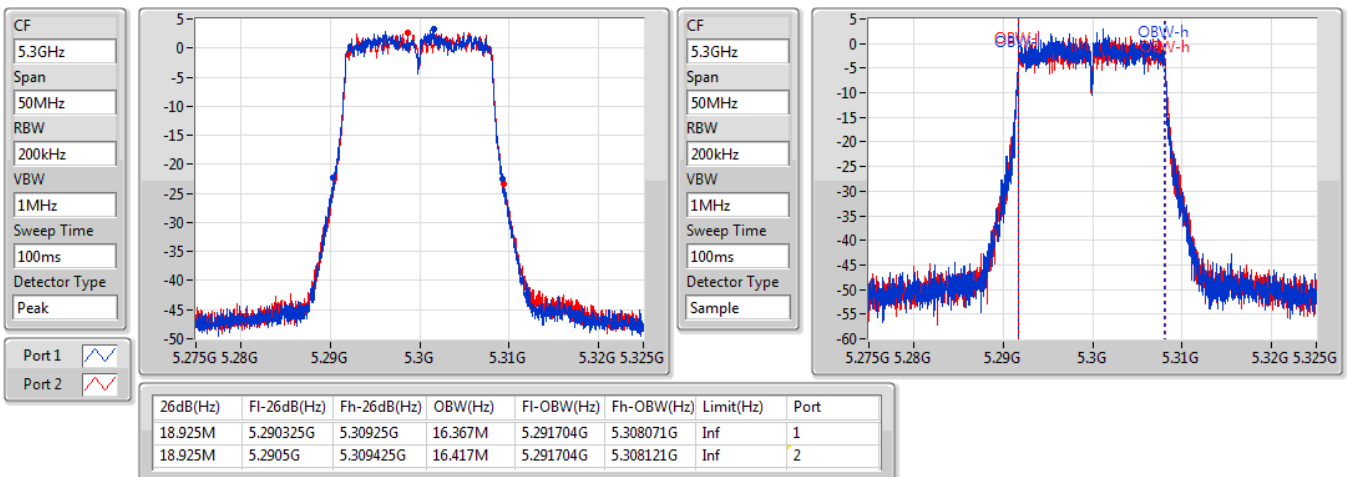
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

08/08/2019

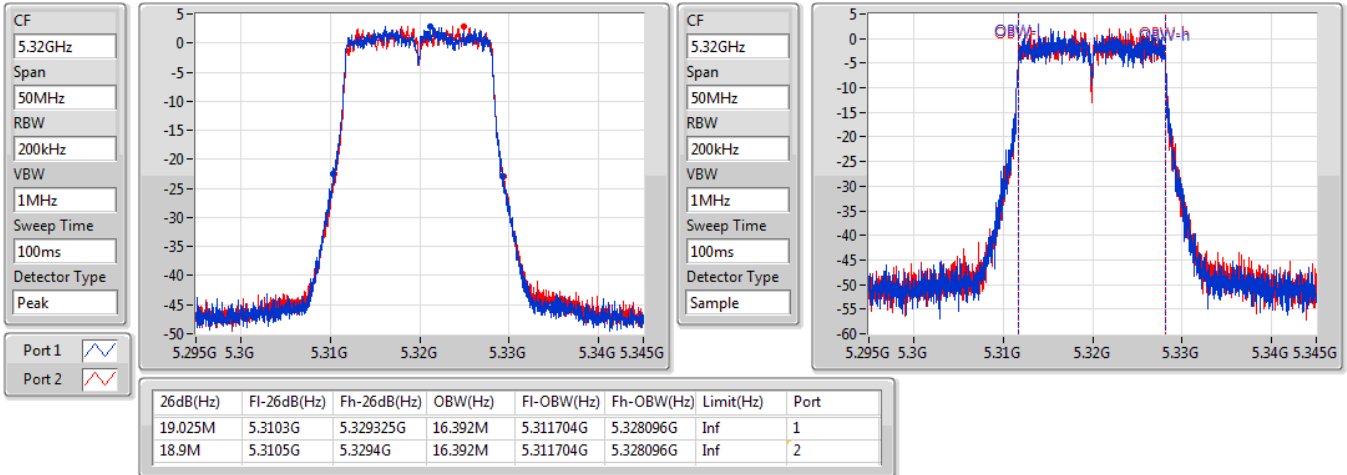

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

08/08/2019

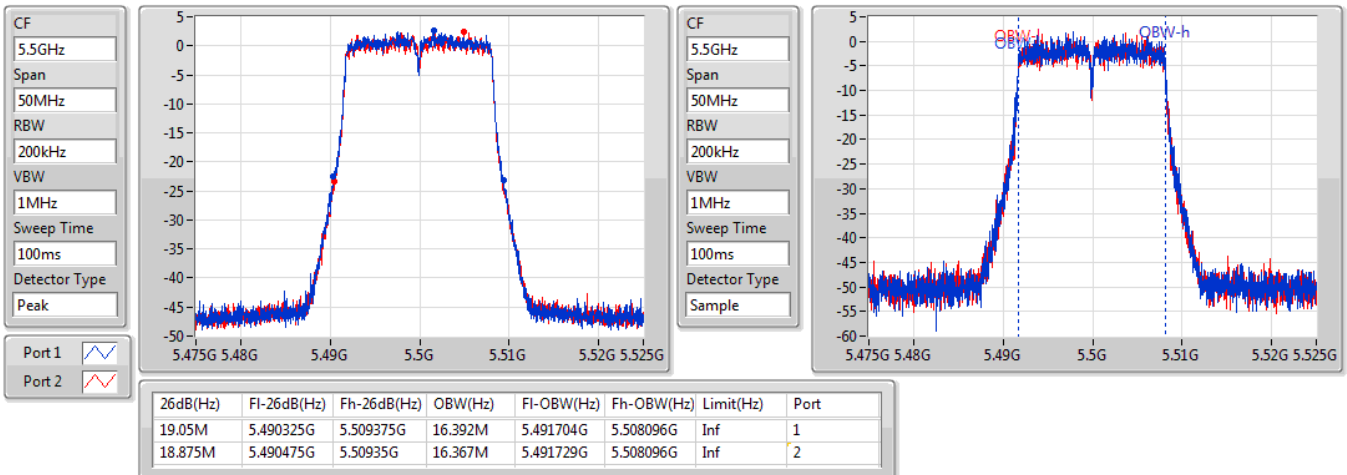


802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

08/08/2019

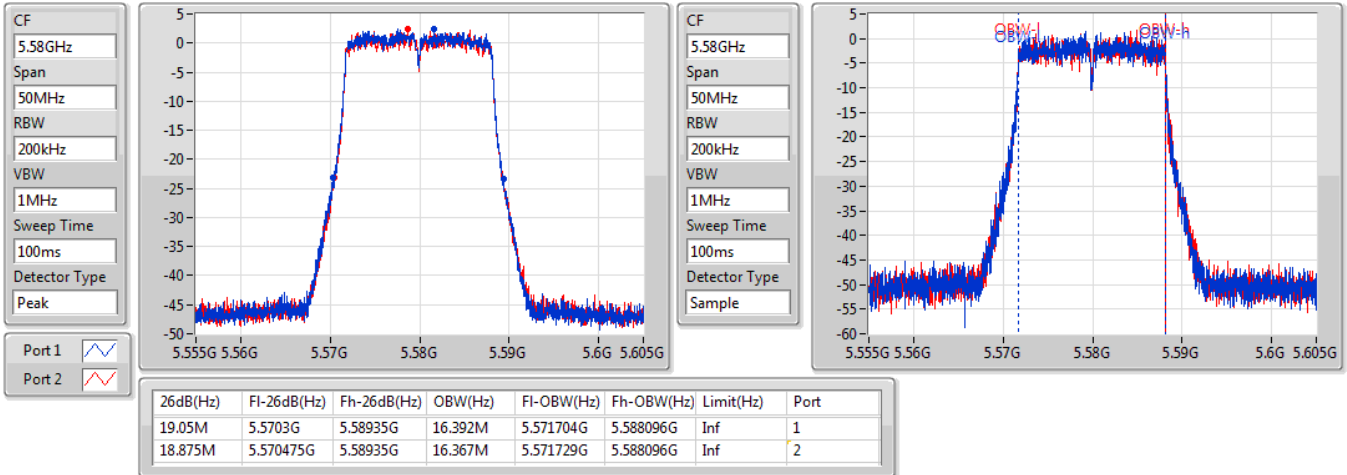

802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

08/08/2019

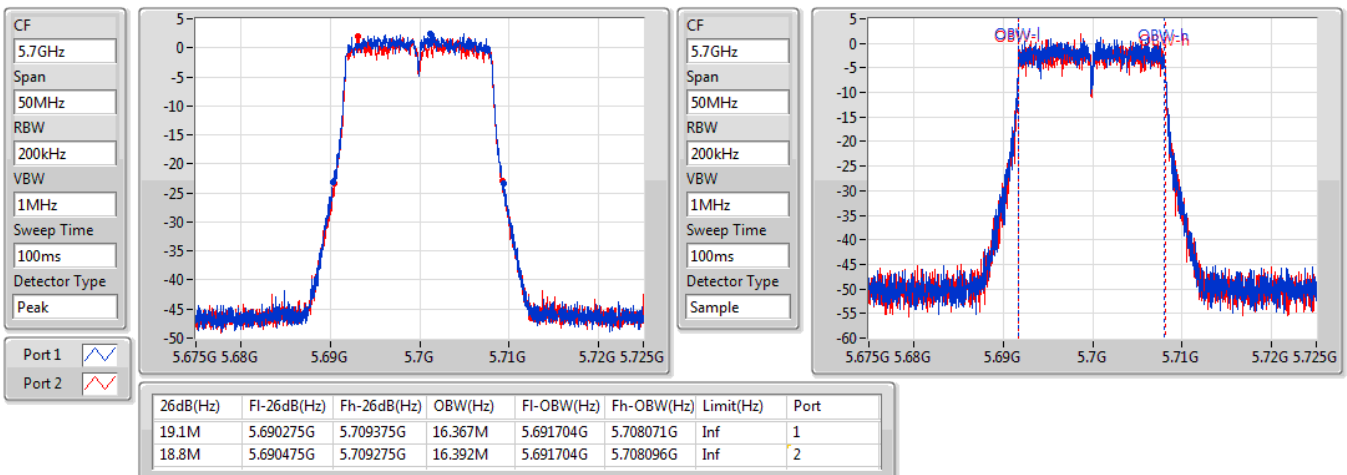


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

08/08/2019

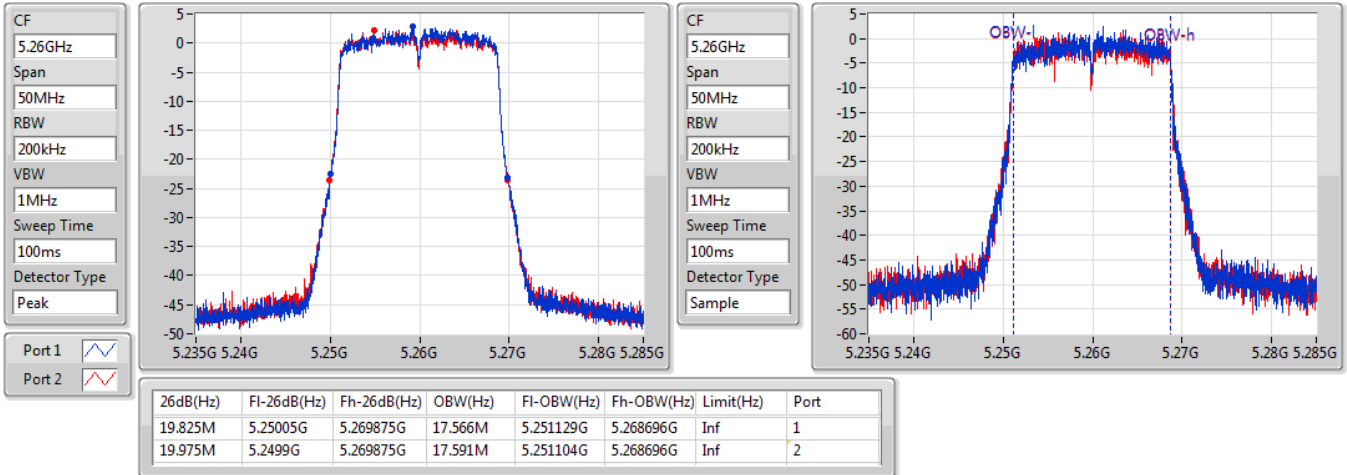

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

08/08/2019

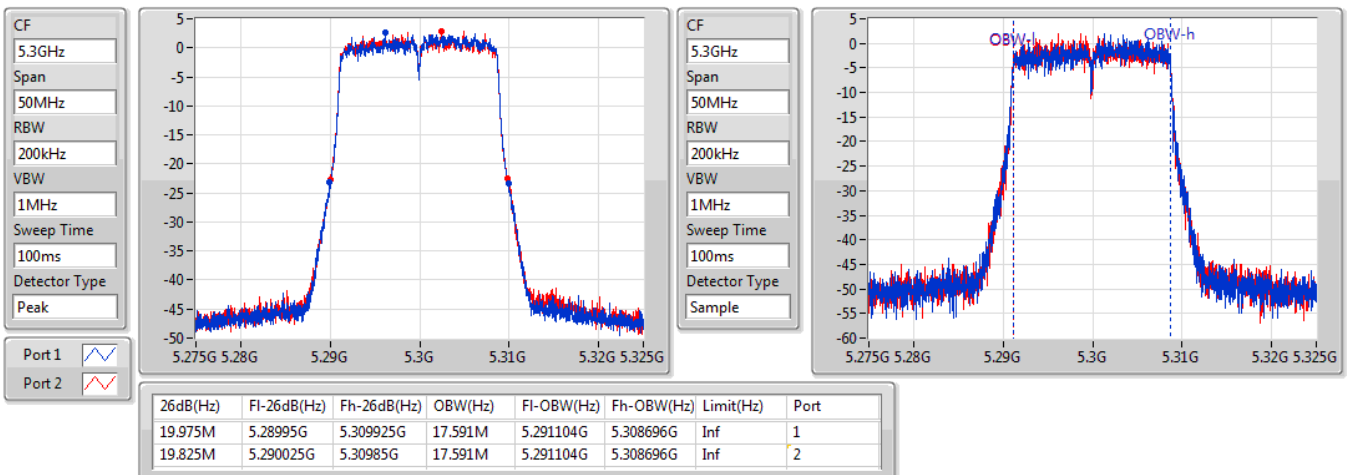


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

08/08/2019

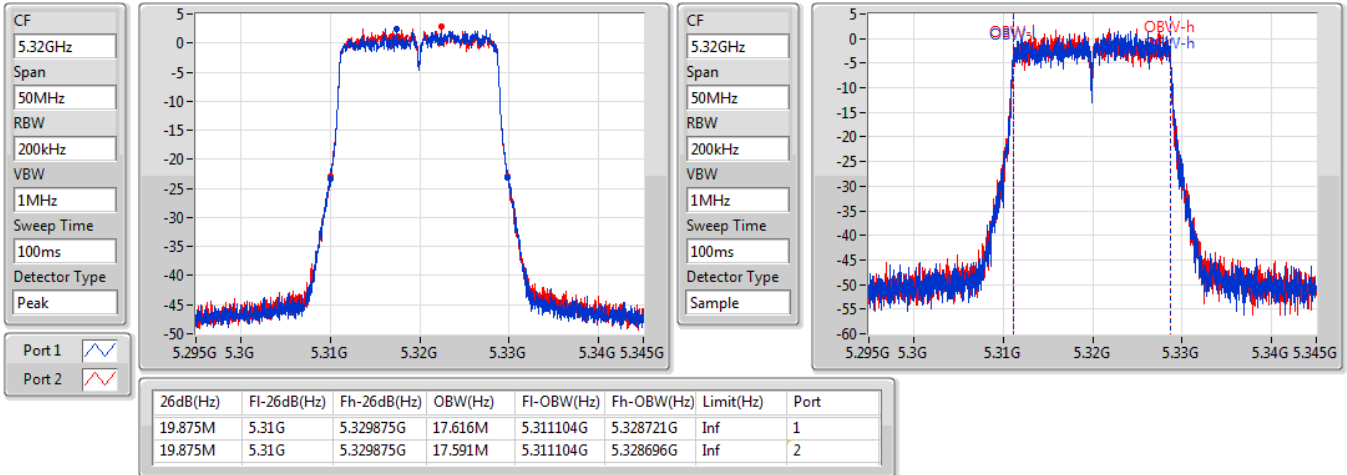

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

08/08/2019

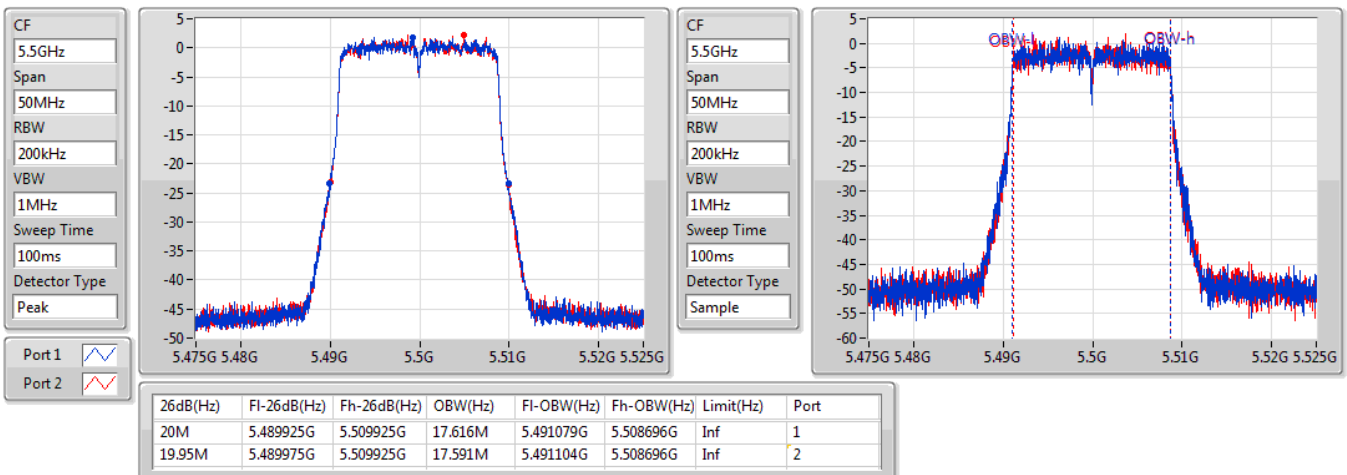


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

08/08/2019

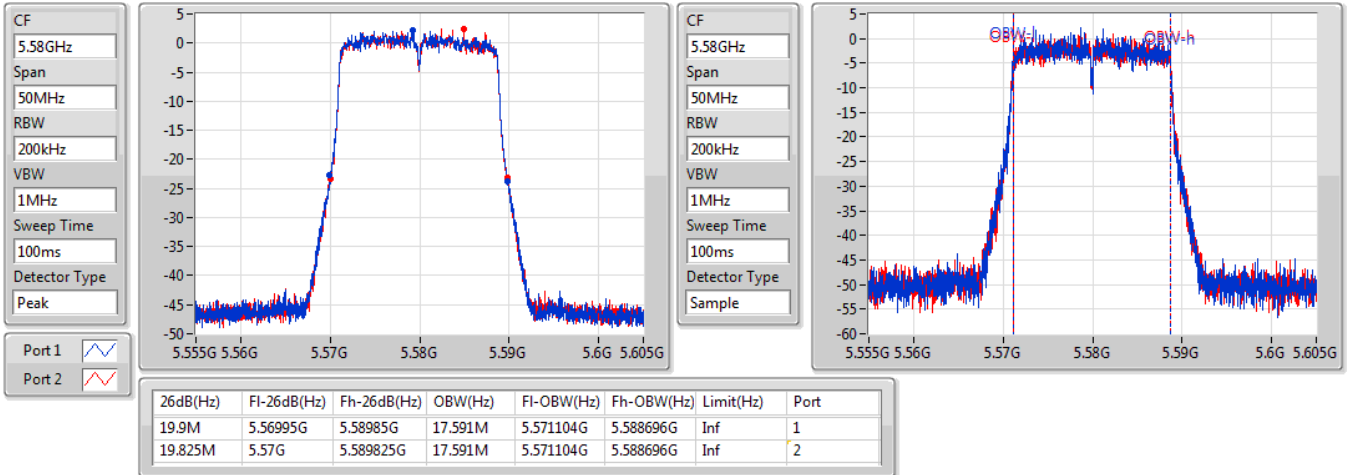

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

08/08/2019

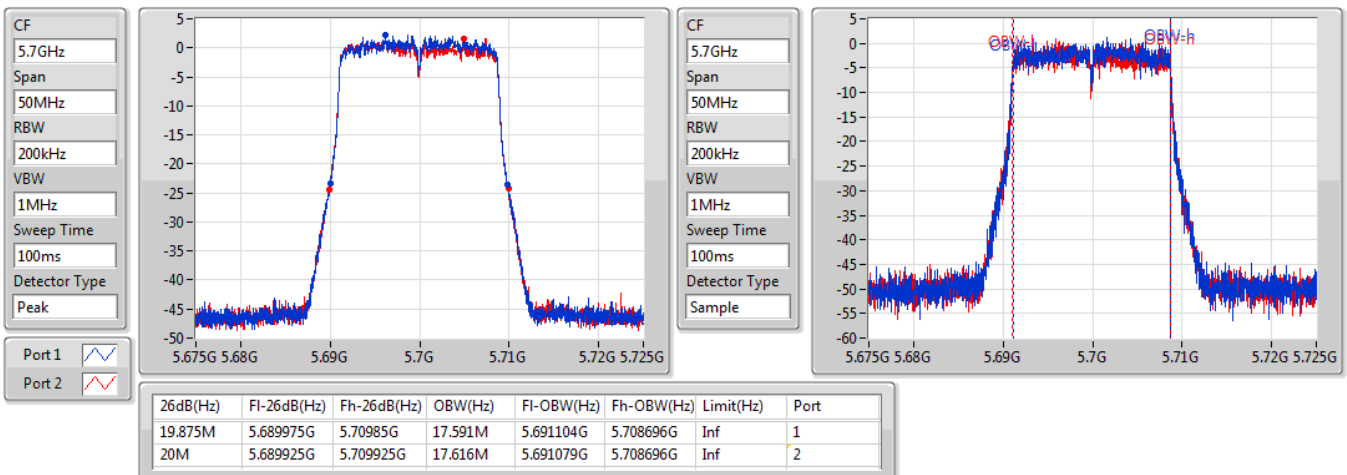


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

08/08/2019

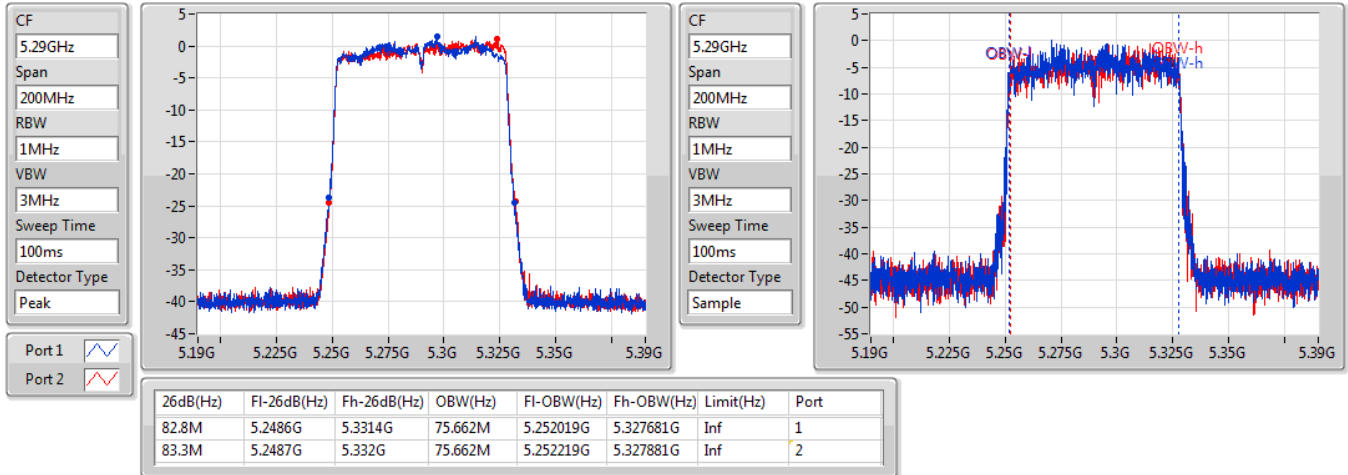

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

08/08/2019

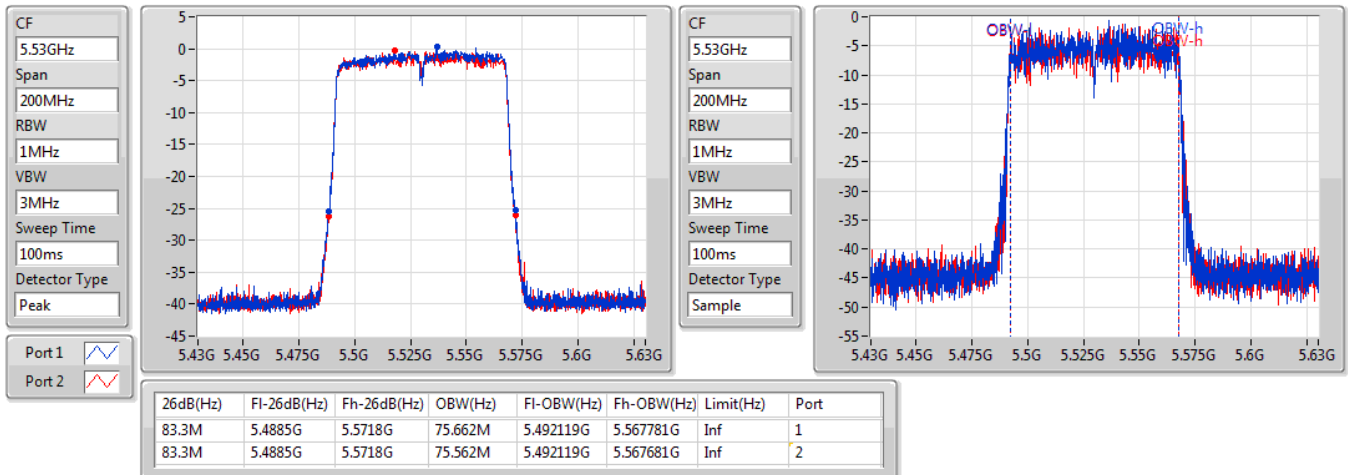


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

08/08/2019


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

08/08/2019

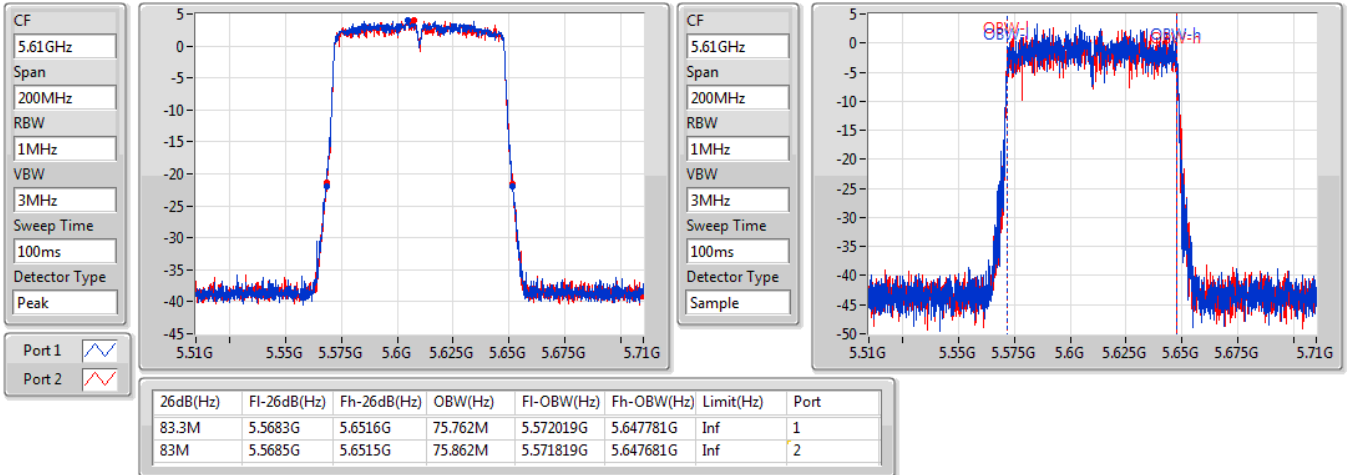


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5610MHz

08/08/2019



For EUT 1 + Ant. 2:

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.05M	16.417M	16M4D1D	18.85M	16.367M
802.11ac VHT20_Nss1,(MCS0)_2TX	19.975M	17.616M	17M6D1D	19.75M	17.566M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.2M	75.662M	75M7D1D	82.8M	75.562M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.1M	16.442M	16M4D1D	18.9M	16.392M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.35M	17.641M	17M6D1D	19.825M	17.566M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.7M	75.762M	75M8D1D	83.1M	75.562M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

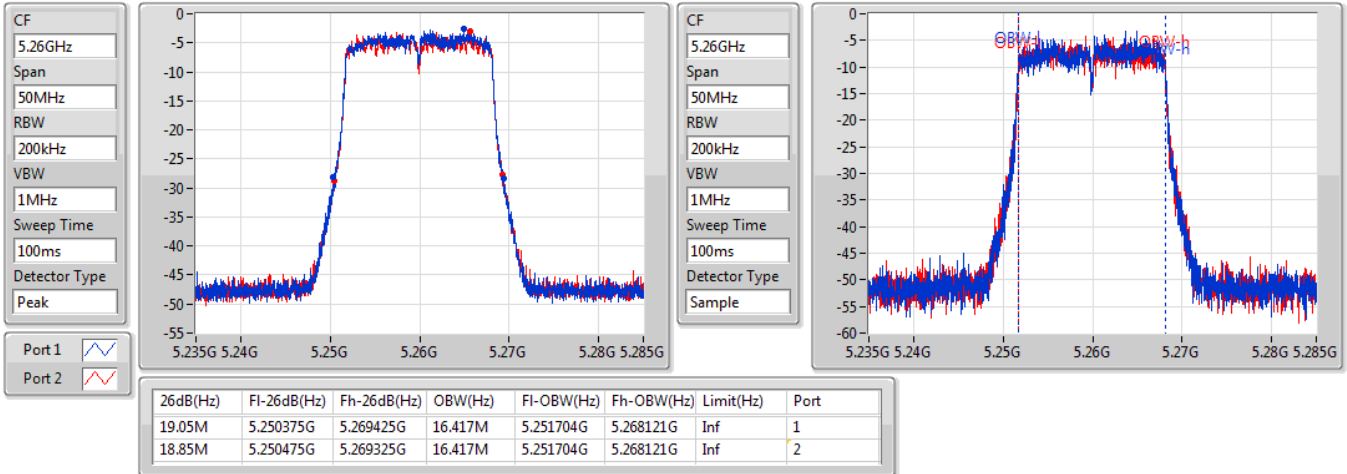
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.05M	16.417M	18.85M	16.417M
5300MHz	Pass	Inf	18.9M	16.392M	18.875M	16.417M
5320MHz	Pass	Inf	19M	16.367M	18.975M	16.392M
5500MHz	Pass	Inf	19.1M	16.417M	18.9M	16.392M
5580MHz	Pass	Inf	18.95M	16.392M	18.975M	16.442M
5700MHz	Pass	Inf	18.975M	16.392M	18.925M	16.417M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.75M	17.616M	19.825M	17.591M
5300MHz	Pass	Inf	19.925M	17.616M	19.8M	17.591M
5320MHz	Pass	Inf	19.9M	17.566M	19.975M	17.616M
5500MHz	Pass	Inf	19.85M	17.641M	20.35M	17.591M
5580MHz	Pass	Inf	20.225M	17.591M	19.825M	17.591M
5700MHz	Pass	Inf	19.85M	17.566M	19.975M	17.616M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	83.2M	75.562M	82.8M	75.662M
5530MHz	Pass	Inf	83.7M	75.762M	83.1M	75.762M
5610MHz	Pass	Inf	83.5M	75.662M	83.2M	75.562M

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

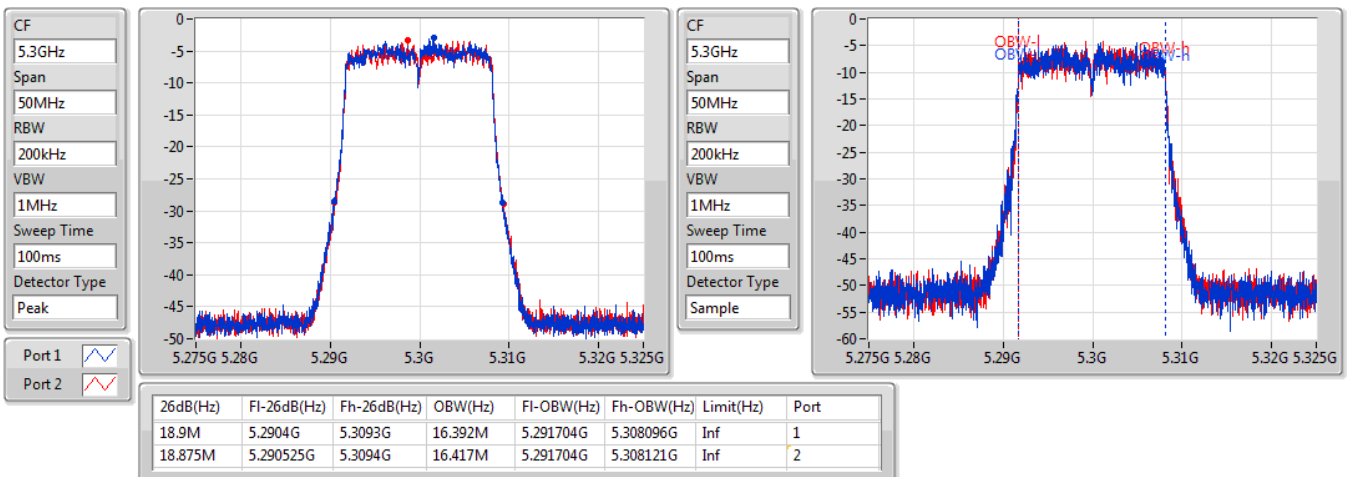
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

08/08/2019


802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

08/08/2019

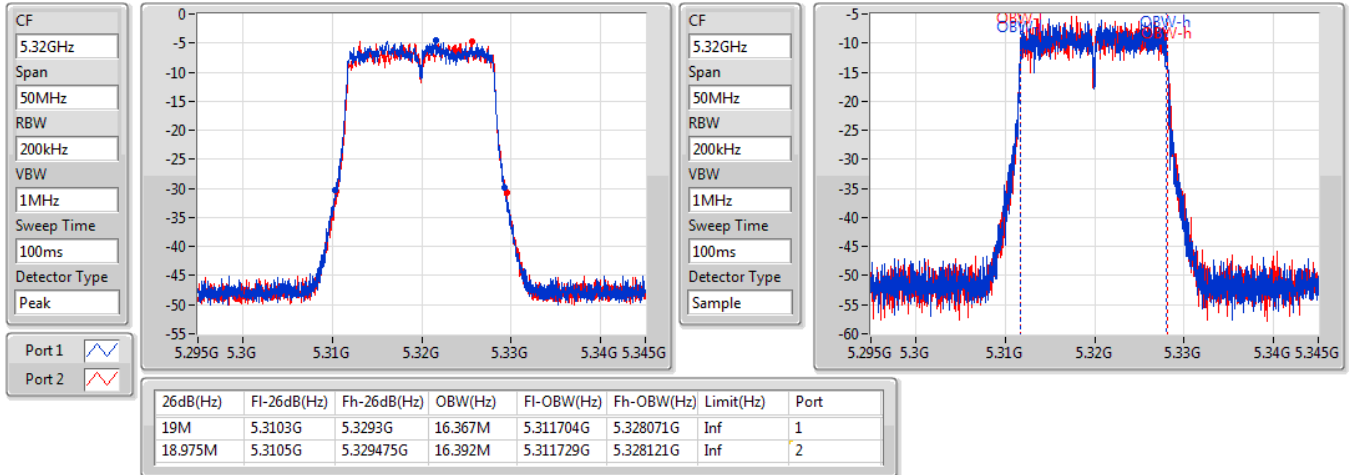


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

08/08/2019

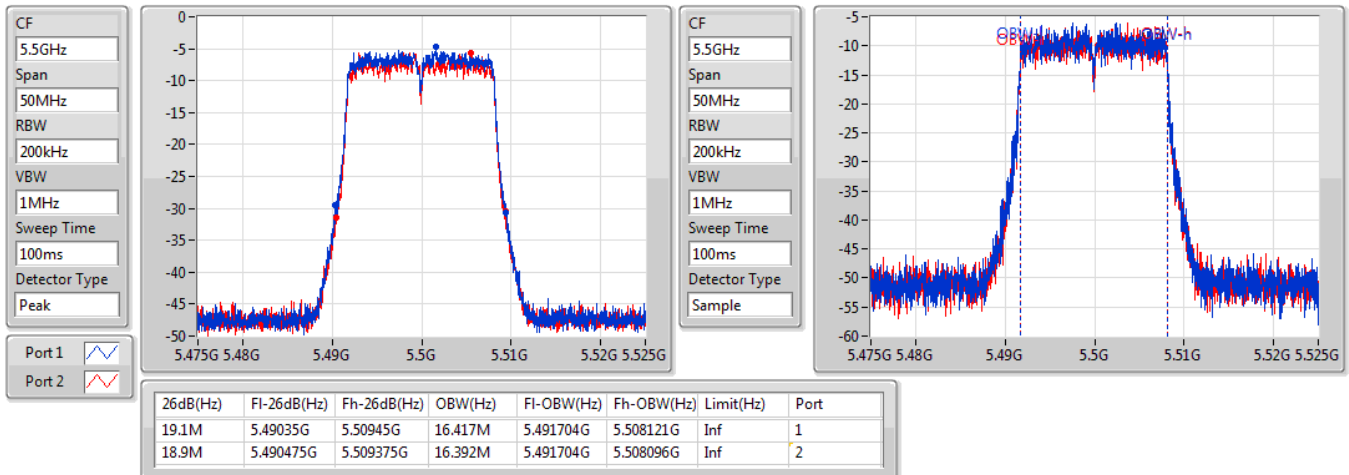


802.11a_Nss1,(6Mbps)_2TX

EBW

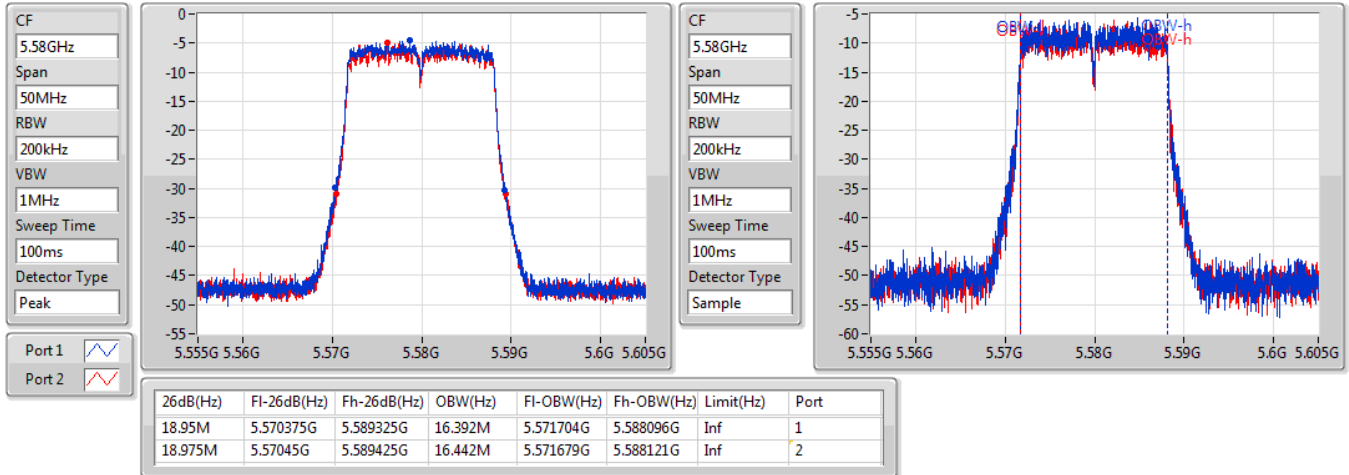
5500MHz

08/08/2019

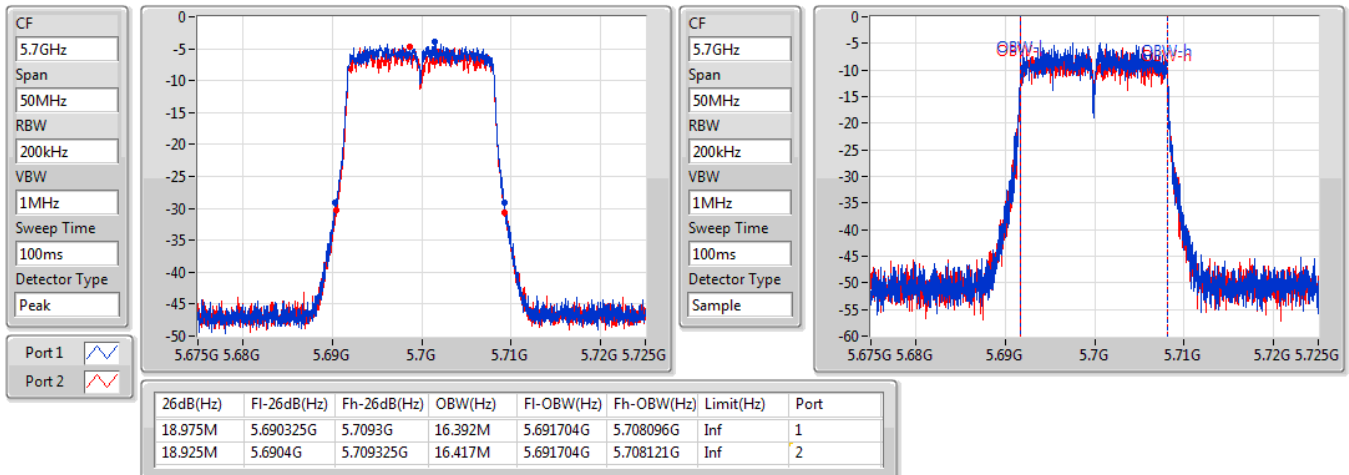


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

08/08/2019

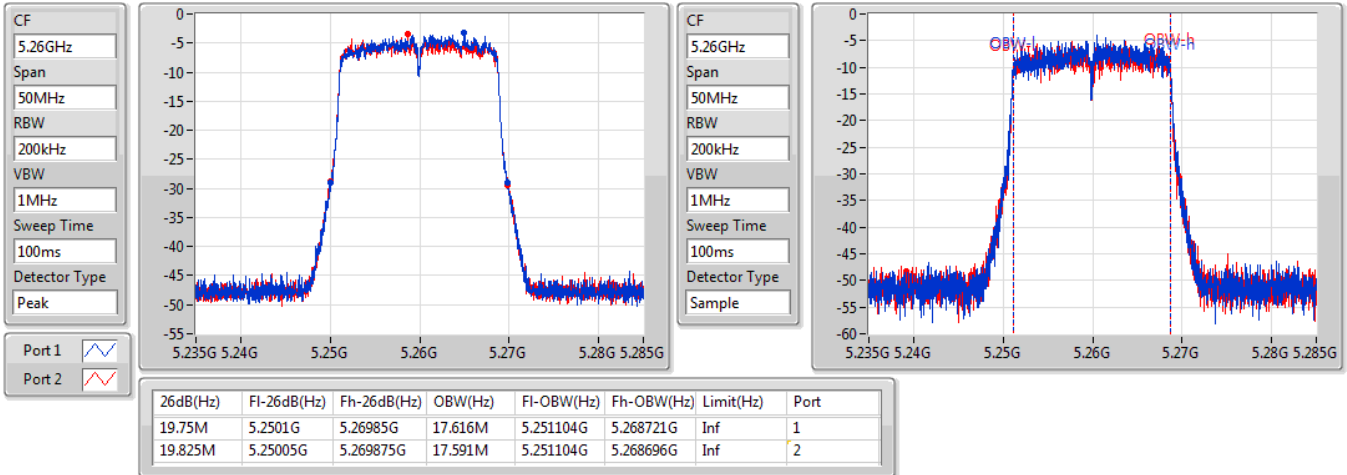

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

08/08/2019

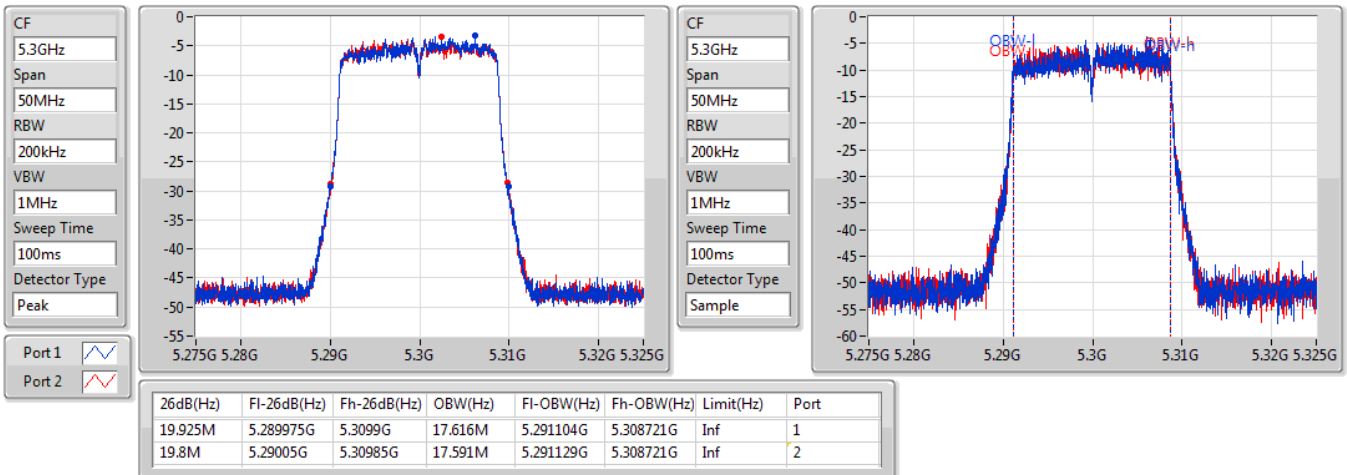


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

08/08/2019

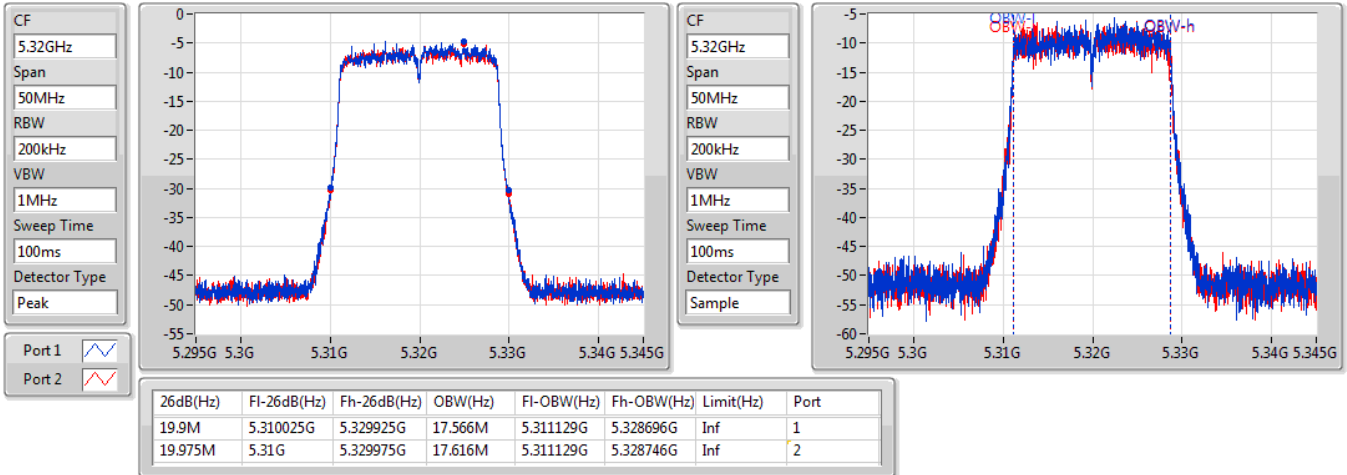

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

08/08/2019

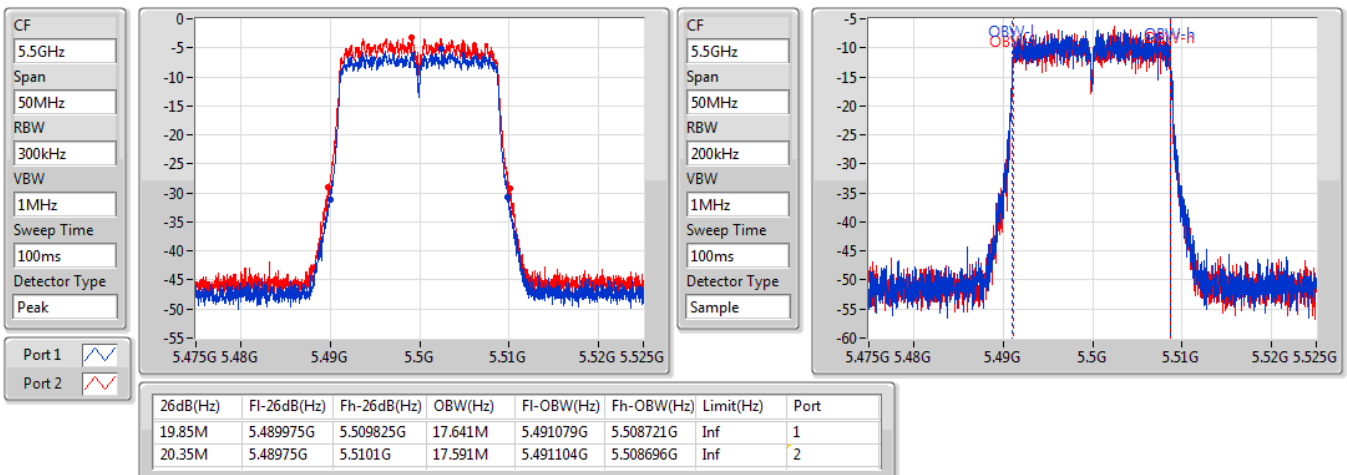


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

08/08/2019

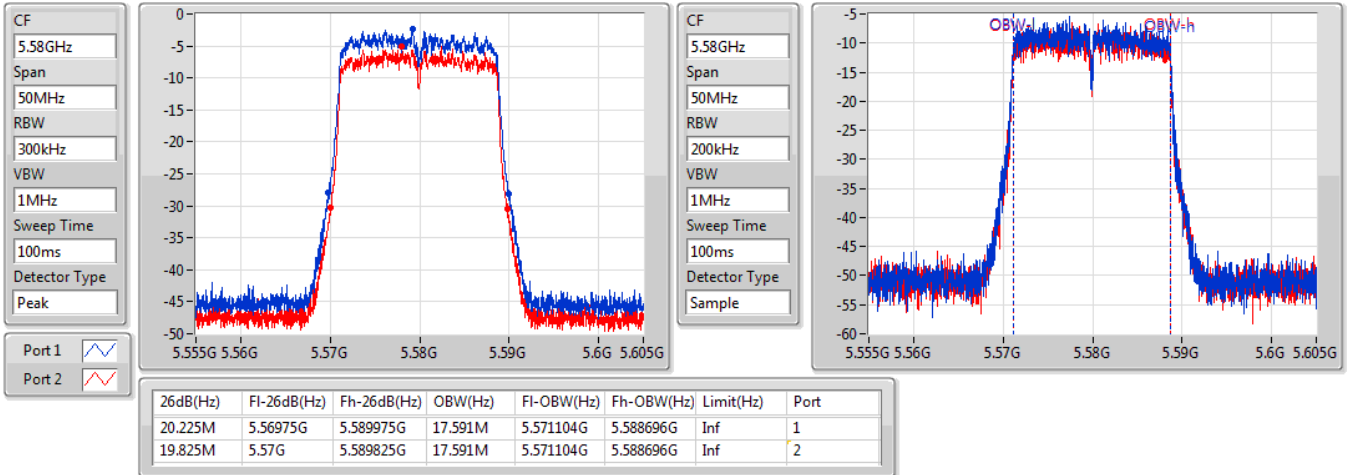

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

08/08/2019

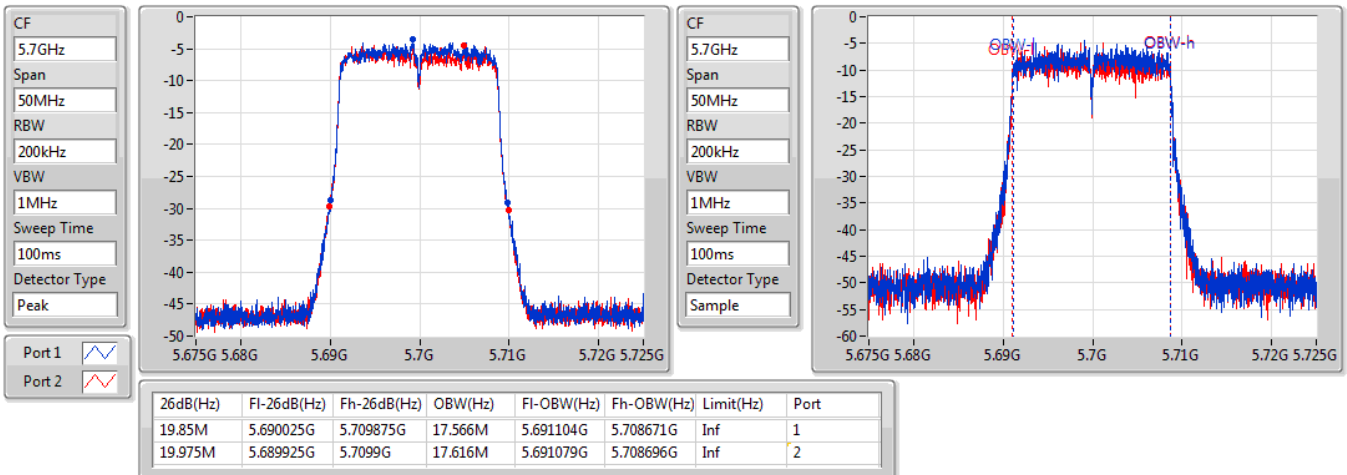


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

08/08/2019


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

08/08/2019

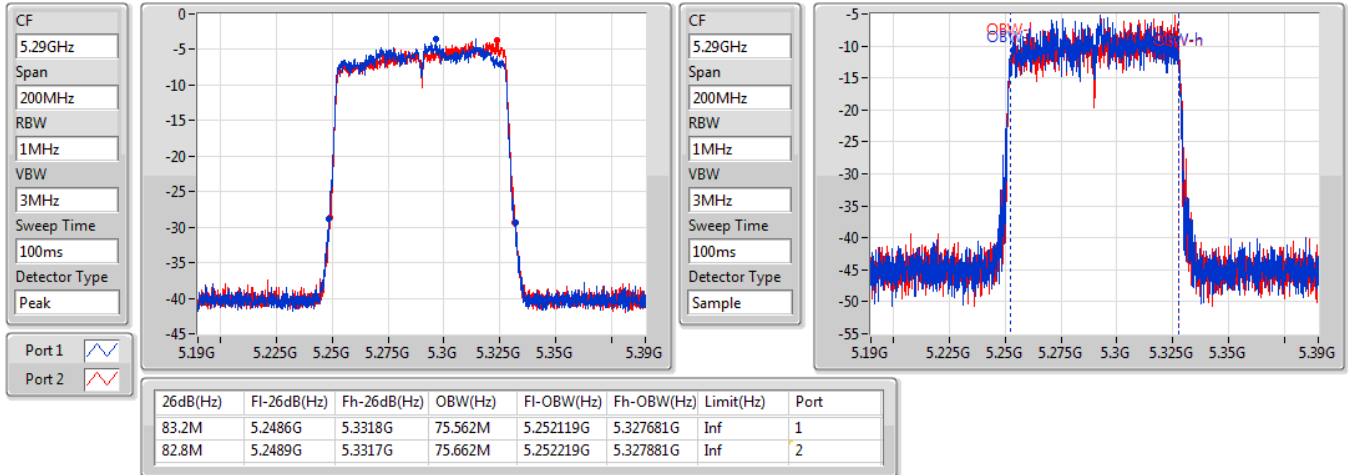


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

08/08/2019

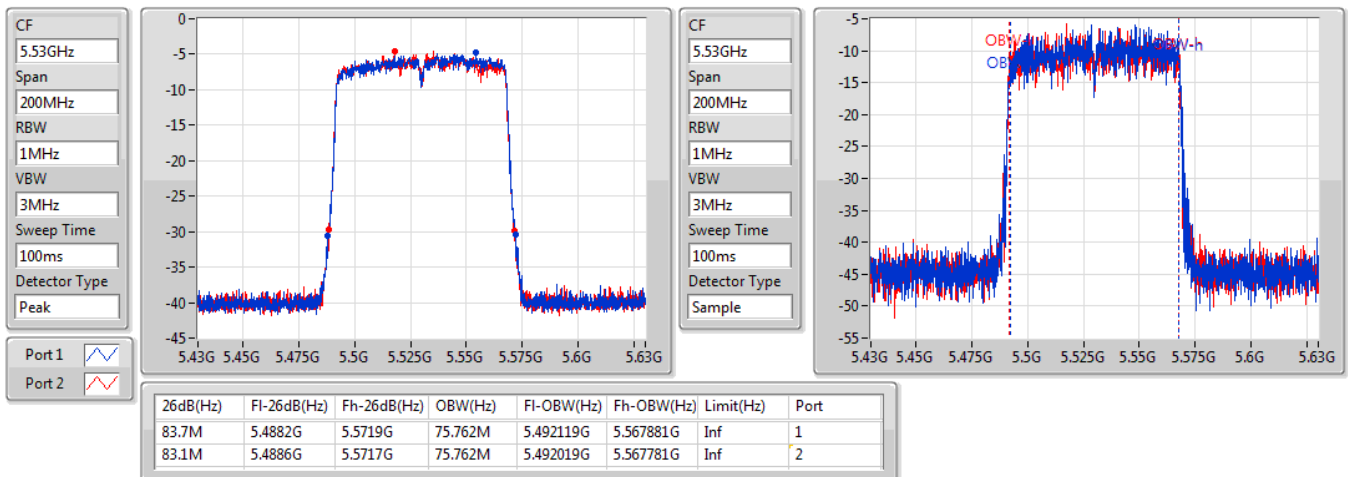


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

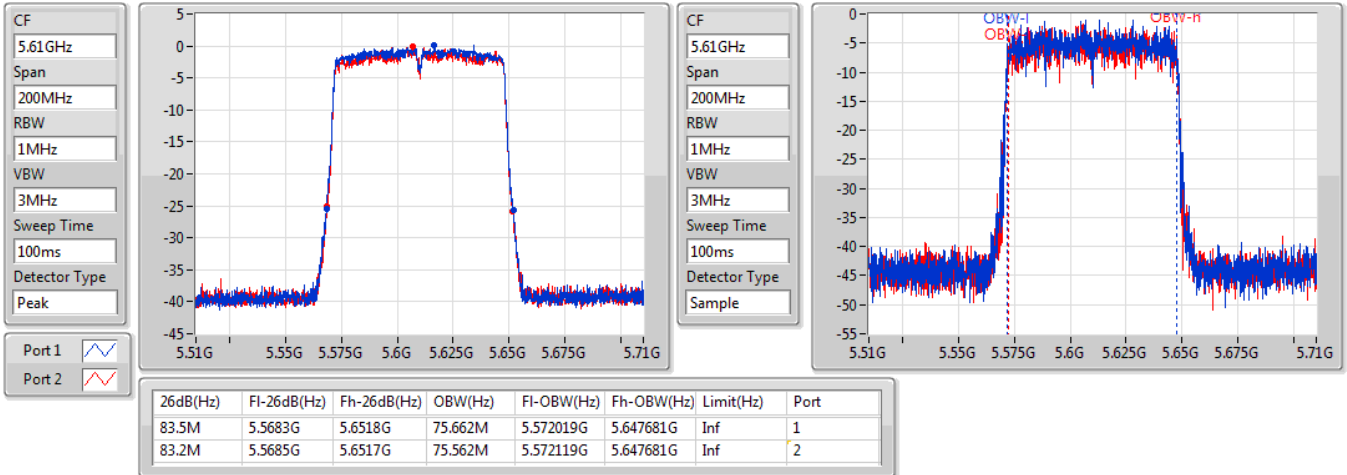
08/08/2019



802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

08/08/2019





For EUT 1 + Ant. 1:

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.72	0.04699	29.72	0.93756
802.11ac VHT20_Nss1,(MCS0)_2TX	16.91	0.04909	29.91	0.97949
802.11ac VHT80_Nss1,(MCS0)_2TX	13.02	0.02004	26.02	0.39994
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.39	0.04355	29.39	0.86896
802.11ac VHT20_Nss1,(MCS0)_2TX	16.96	0.04966	29.96	0.99083
802.11ac VHT80_Nss1,(MCS0)_2TX	16.69	0.04667	29.69	0.93111



Average Power

Appendix B.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	13.64	13.58	16.62	16.75	29.62	29.75
5300MHz	Pass	13.00	13.62	13.77	16.71	16.77	29.71	29.77
5320MHz	Pass	13.00	13.56	13.86	16.72	16.76	29.72	29.76
5500MHz	Pass	13.00	13.39	13.26	16.34	16.76	29.34	29.76
5580MHz	Pass	13.00	13.45	13.30	16.39	16.76	29.39	29.76
5700MHz	Pass	13.00	13.52	13.15	16.35	16.74	29.35	29.74
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	13.96	13.64	16.81	16.97	29.81	29.97
5300MHz	Pass	13.00	13.82	13.98	16.91	16.97	29.91	29.97
5320MHz	Pass	13.00	13.64	13.89	16.78	16.98	29.78	29.98
5500MHz	Pass	13.00	13.99	13.90	16.96	17.00	29.96	30.00
5580MHz	Pass	13.00	13.95	13.82	16.90	16.97	29.90	29.97
5700MHz	Pass	13.00	14.13	13.55	16.86	16.98	29.86	29.98
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00	10.17	9.85	13.02	16.98	26.02	30.00
5530MHz	Pass	13.00	9.29	8.98	12.15	16.98	25.15	30.00
5610MHz	Pass	13.00	13.87	13.48	16.69	16.98	29.69	30.00

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

**For EUT 1 + Ant. 2:****Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	10.48	0.01117	29.48	0.88716
802.11ac VHT20_Nss1,(MCS0)_2TX	10.76	0.01191	29.76	0.94624
802.11ac VHT80_Nss1,(MCS0)_2TX	7.61	0.00577	26.61	0.45814
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	9.80	0.00955	28.80	0.75858
802.11ac VHT20_Nss1,(MCS0)_2TX	10.79	0.01199	29.79	0.95280
802.11ac VHT80_Nss1,(MCS0)_2TX	10.70	0.01175	29.70	0.93325

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	19.00	7.58	7.35	10.48	10.75	29.48	29.75
5300MHz	Pass	19.00	7.47	7.38	10.44	10.76	29.44	29.76
5320MHz	Pass	19.00	6.30	6.41	9.37	10.78	28.37	29.78
5500MHz	Pass	19.00	5.49	5.28	8.40	10.76	27.40	29.76
5580MHz	Pass	19.00	5.38	6.02	8.72	10.78	27.72	29.78
5700MHz	Pass	19.00	6.93	6.64	9.80	10.77	28.80	29.77
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	19.00	7.82	7.56	10.70	10.96	29.70	29.96
5300MHz	Pass	19.00	7.59	7.90	10.76	10.97	29.76	29.97
5320MHz	Pass	19.00	5.99	6.35	9.18	10.99	28.18	29.99
5500MHz	Pass	19.00	6.13	5.83	8.99	10.98	27.99	29.98
5580MHz	Pass	19.00	6.43	5.85	9.16	10.97	28.16	29.97
5700MHz	Pass	19.00	8.10	7.44	10.79	10.98	29.79	29.98
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	19.00	4.79	4.40	7.61	10.98	26.61	30.00
5530MHz	Pass	19.00	4.41	4.11	7.27	10.98	26.27	30.00
5610MHz	Pass	19.00	7.81	7.56	10.70	10.98	29.70	30.00

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

For EUT 1 + Ant. 1:

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	3.82	16.82
802.11ac VHT20_Nss1,(MCS0)_2TX	3.66	16.66
802.11ac VHT80_Nss1,(MCS0)_2TX	-6.36	6.64
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	3.42	16.42
802.11ac VHT20_Nss1,(MCS0)_2TX	3.78	16.78
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.49	10.51

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	1.09	0.56	3.72	4.00	16.72	Inf
5300MHz	Pass	13.00	1.16	0.84	3.82	4.00	16.82	Inf
5320MHz	Pass	13.00	1.06	1.05	3.79	4.00	16.79	Inf
5500MHz	Pass	13.00	0.50	0.24	3.26	4.00	16.26	Inf
5580MHz	Pass	13.00	0.43	0.43	3.42	4.00	16.42	Inf
5700MHz	Pass	13.00	0.57	0.21	3.20	4.00	16.20	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.00	1.06	0.35	3.65	4.00	16.65	Inf
5300MHz	Pass	13.00	0.94	0.50	3.66	4.00	16.66	Inf
5320MHz	Pass	13.00	0.66	0.65	3.48	4.00	16.48	Inf
5500MHz	Pass	13.00	0.55	0.61	3.50	4.00	16.50	Inf
5580MHz	Pass	13.00	0.77	0.84	3.78	4.00	16.78	Inf
5700MHz	Pass	13.00	0.89	0.43	3.46	4.00	16.46	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	13.00	-8.85	-9.08	-6.36	4.00	6.64	Inf
5530MHz	Pass	13.00	-10.07	-10.69	-7.44	4.00	5.56	Inf
5610MHz	Pass	13.00	-5.33	-5.57	-2.49	4.00	10.51	Inf

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

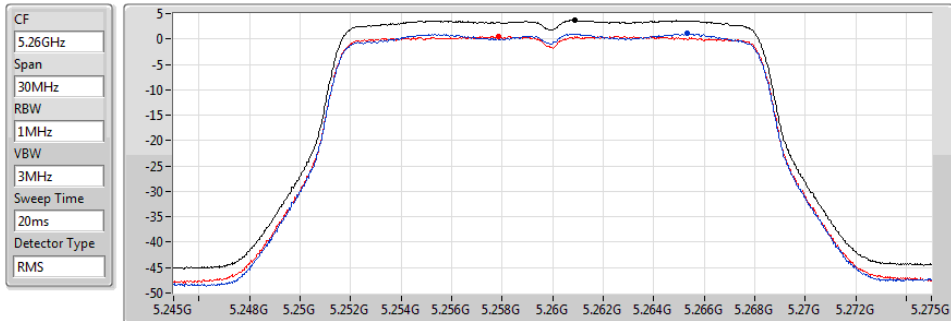
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

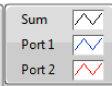
PSD

5260MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.72	3.72	1.09	0.56

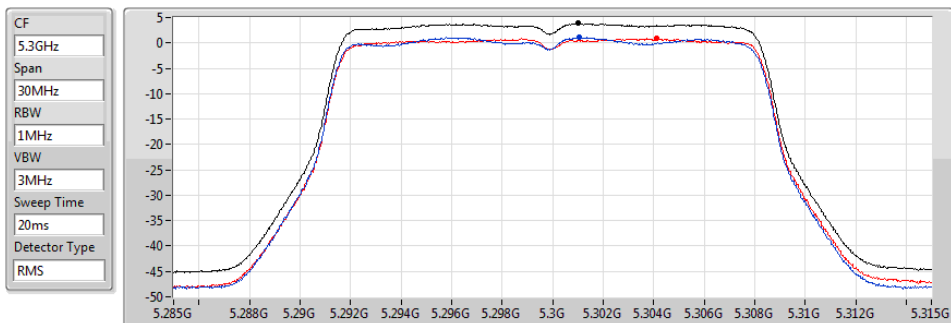


802.11a_Nss1,(6Mbps)_2TX

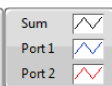
PSD

5300MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.82	3.82	1.16	0.84

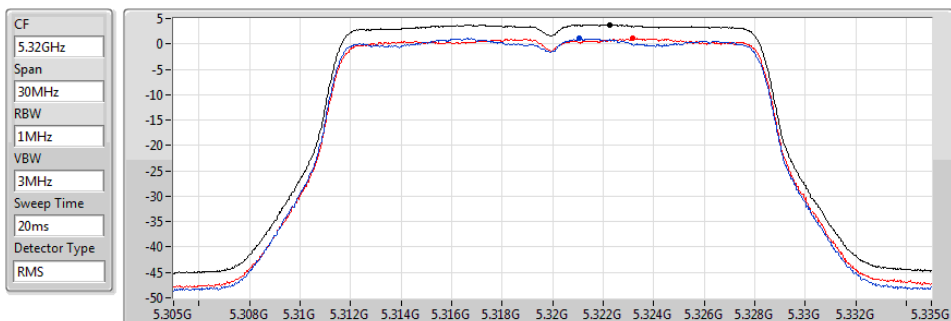


802.11a_Nss1,(6Mbps)_2TX

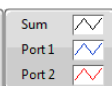
PSD

5320MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.79	3.79	1.06	1.05

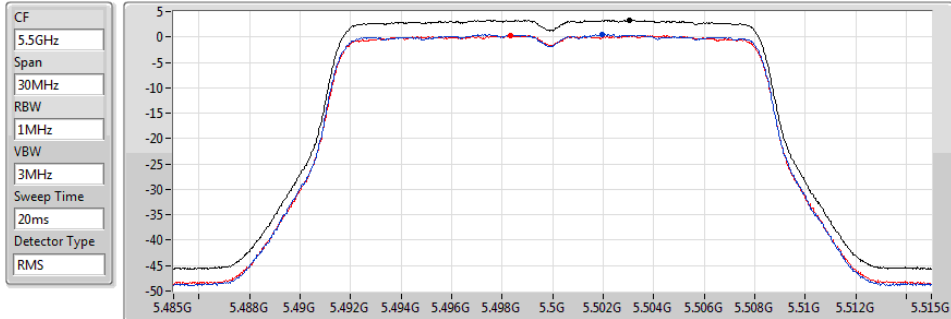


802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.26	3.26	0.50	0.24

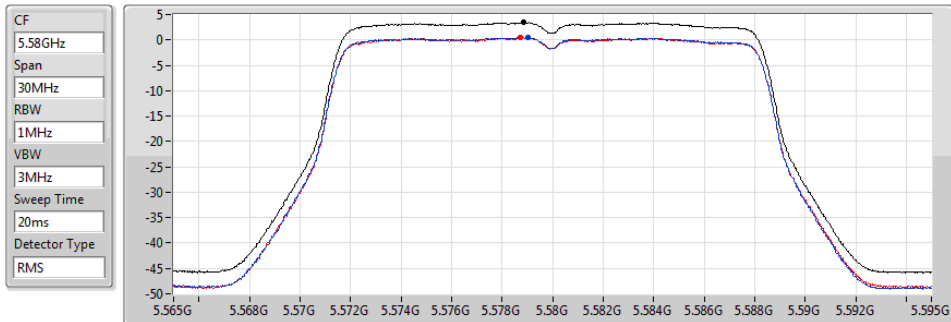
Sum
Port 1
Port 2

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.42	3.42	0.43	0.43

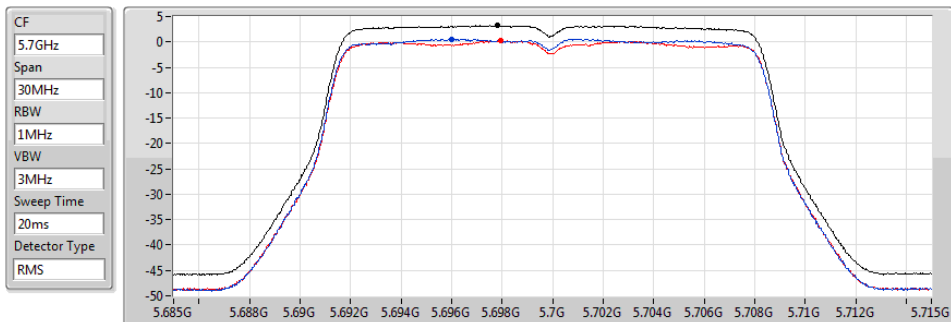
Sum
Port 1
Port 2

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.20	3.20	0.57	0.21

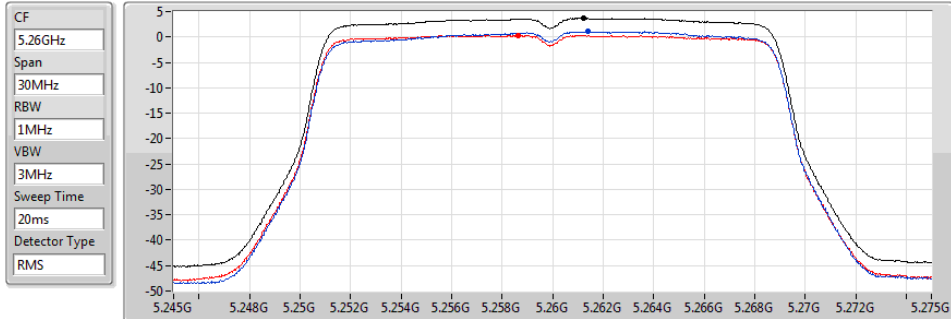
Sum
Port 1
Port 2

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5260MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.65	3.65	1.06	0.35

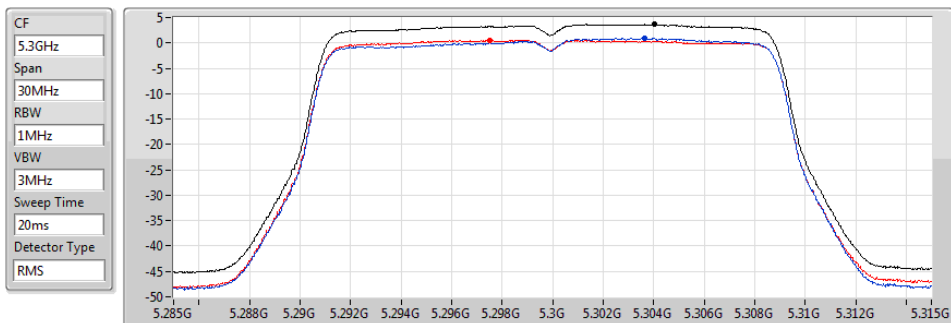
Sum
Port 1
Port 2

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5300MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.66	3.66	0.94	0.50

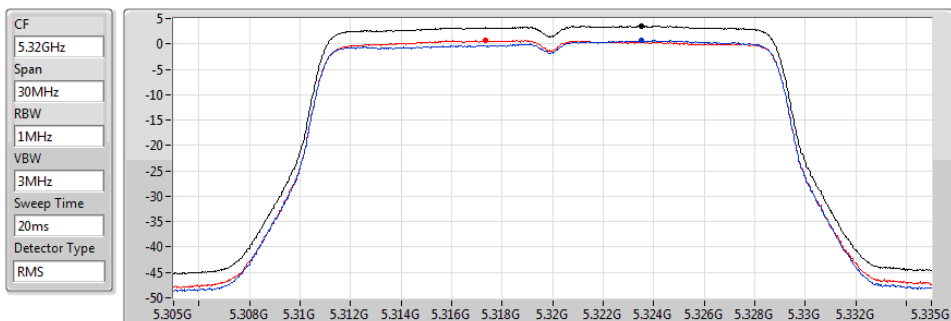
Sum
Port 1
Port 2

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5320MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.48	3.48	0.66	0.65

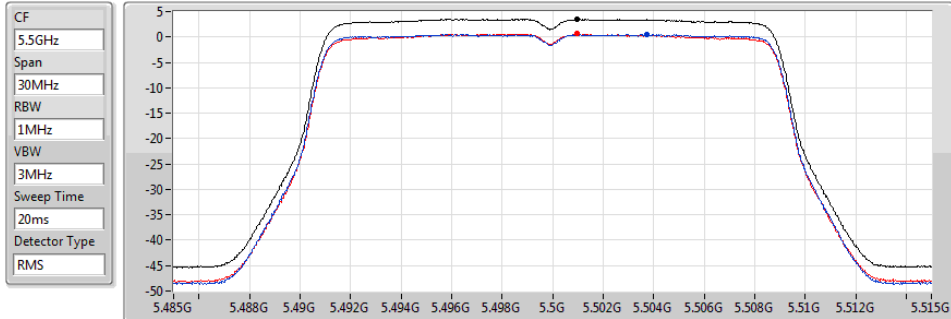
Sum
Port 1
Port 2

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

08/08/2019



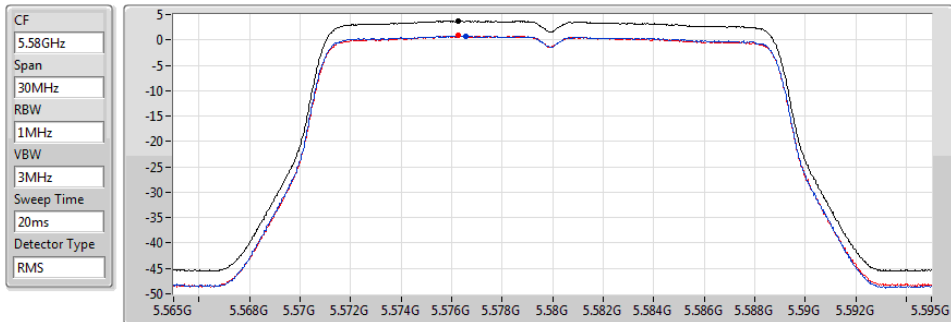
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.50	3.50	0.55	0.61

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

08/08/2019



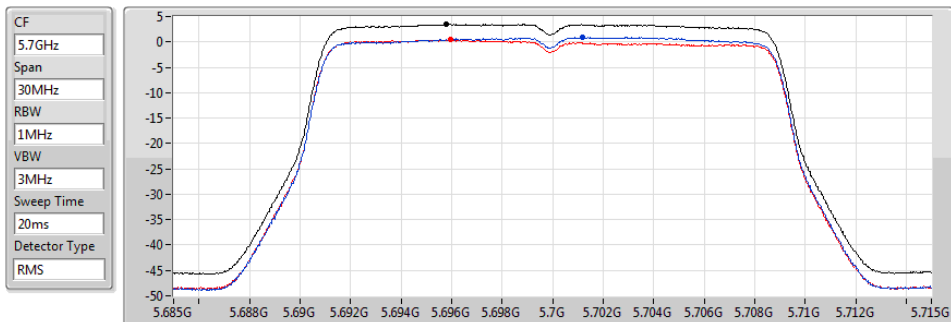
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.78	3.78	0.77	0.84

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

08/08/2019



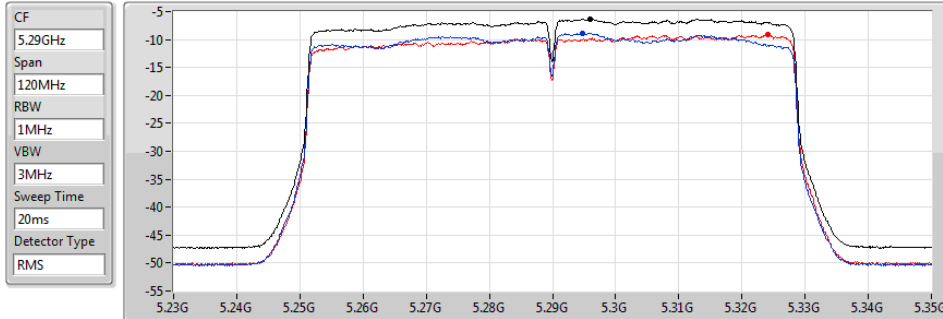
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.46	3.46	0.89	0.43

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

08/08/2019



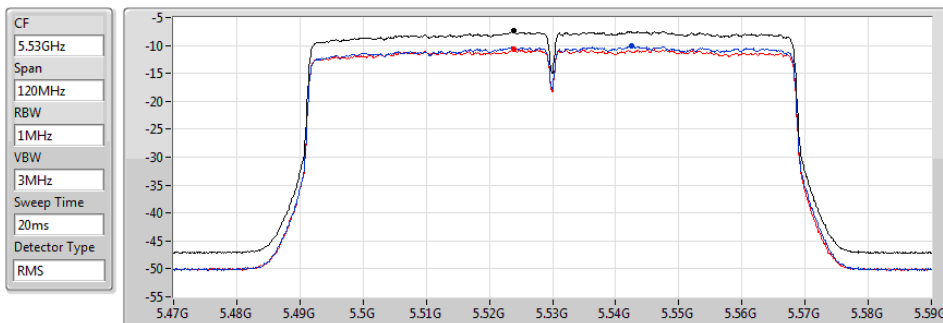
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.36	-6.36	-8.85	-9.08

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

08/08/2019



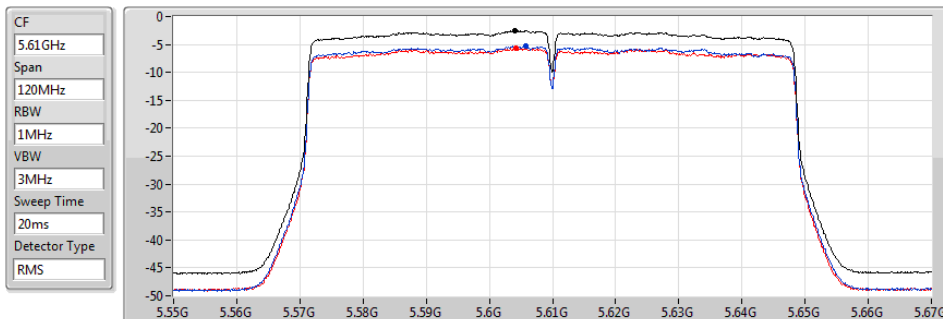
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.44	-7.44	-10.07	-10.69

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.49	-2.49	-5.33	-5.57

For EUT 1 + Ant. 2:

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-2.41	16.59
802.11ac VHT20_Nss1,(MCS0)_2TX	-2.54	16.46
802.11ac VHT80_Nss1,(MCS0)_2TX	-11.55	7.45
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-3.43	15.57
802.11ac VHT20_Nss1,(MCS0)_2TX	-2.74	16.26
802.11ac VHT80_Nss1,(MCS0)_2TX	-8.75	10.25

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	19.00	-5.10	-5.71	-2.51	-2.00	16.49	Inf
5300MHz	Pass	19.00	-5.10	-5.42	-2.41	-2.00	16.59	Inf
5320MHz	Pass	19.00	-6.46	-6.79	-3.85	-2.00	15.15	Inf
5500MHz	Pass	19.00	-7.00	-7.58	-4.32	-2.00	14.68	Inf
5580MHz	Pass	19.00	-6.63	-6.96	-3.79	-2.00	15.21	Inf
5700MHz	Pass	19.00	-5.89	-6.56	-3.43	-2.00	15.57	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	19.00	-5.06	-5.94	-2.54	-2.00	16.46	Inf
5300MHz	Pass	19.00	-5.37	-5.74	-2.62	-2.00	16.38	Inf
5320MHz	Pass	19.00	-6.80	-7.18	-4.09	-2.00	14.91	Inf
5500MHz	Pass	19.00	-7.49	-7.76	-4.74	-2.00	14.26	Inf
5580MHz	Pass	19.00	-6.90	-7.21	-4.08	-2.00	14.92	Inf
5700MHz	Pass	19.00	-5.23	-5.81	-2.74	-2.00	16.26	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	19.00	-14.11	-14.38	-11.55	-2.00	7.45	Inf
5530MHz	Pass	19.00	-15.10	-15.61	-12.42	-2.00	6.58	Inf
5610MHz	Pass	19.00	-11.49	-11.95	-8.75	-2.00	10.25	Inf

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

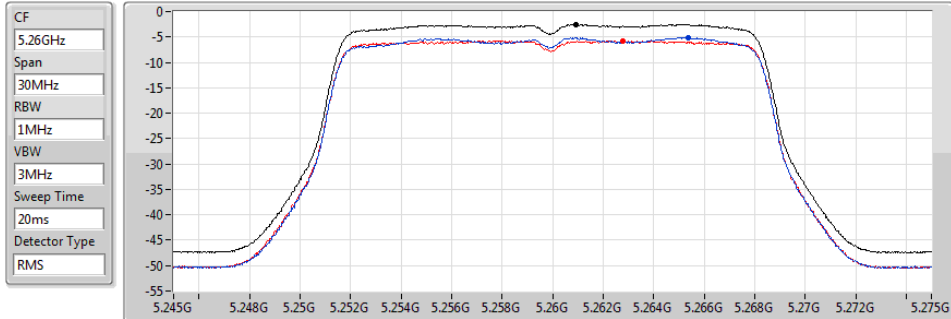
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

08/08/2019



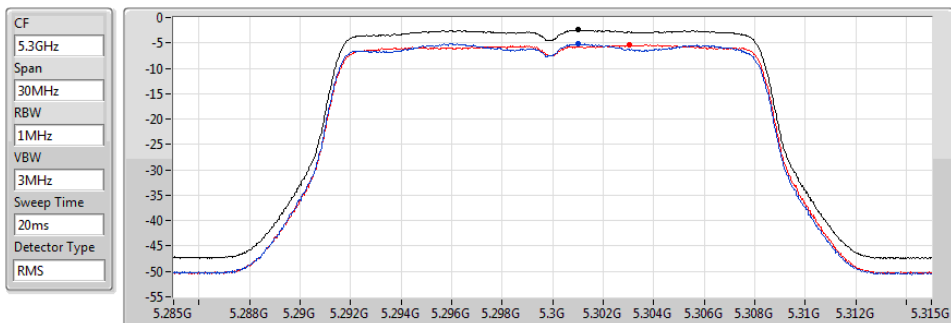
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.51	-2.51	-5.10	-5.71

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

08/08/2019



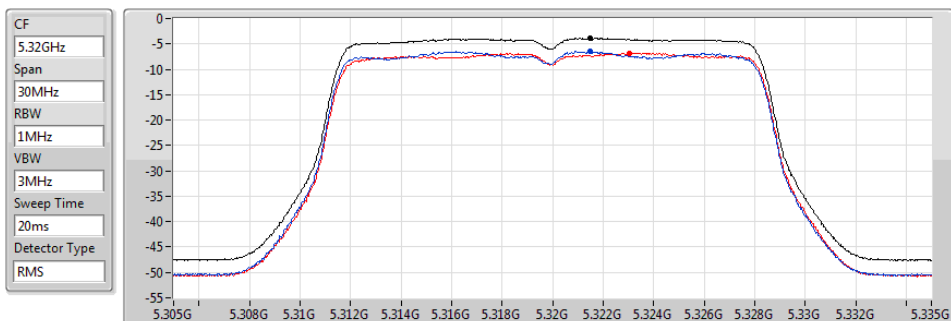
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.41	-2.41	-5.10	-5.42

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

08/08/2019



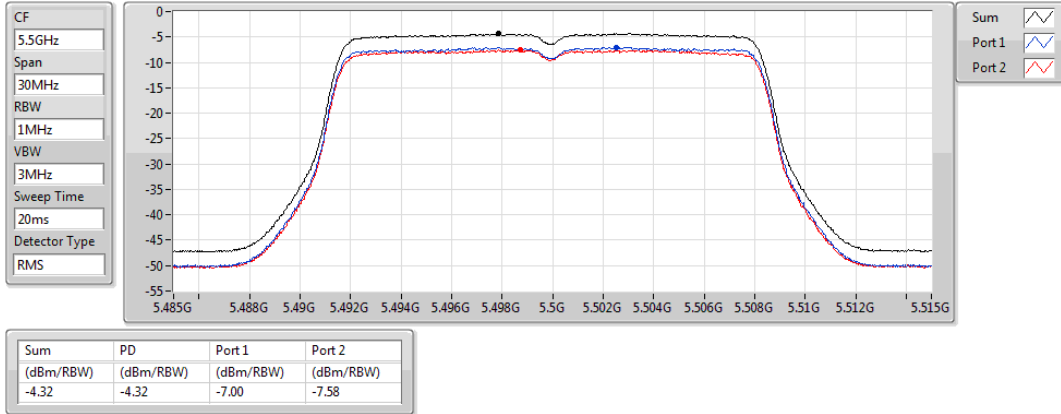
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.85	-3.85	-6.46	-6.79

802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

08/08/2019

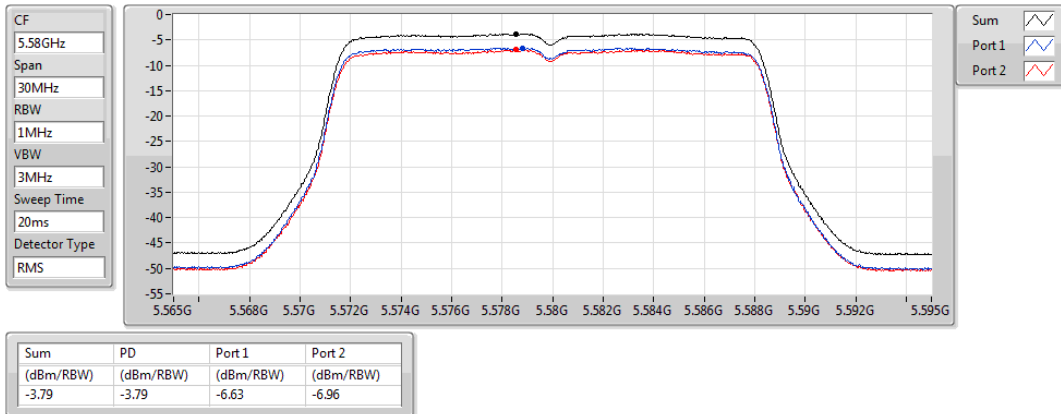


802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

08/08/2019

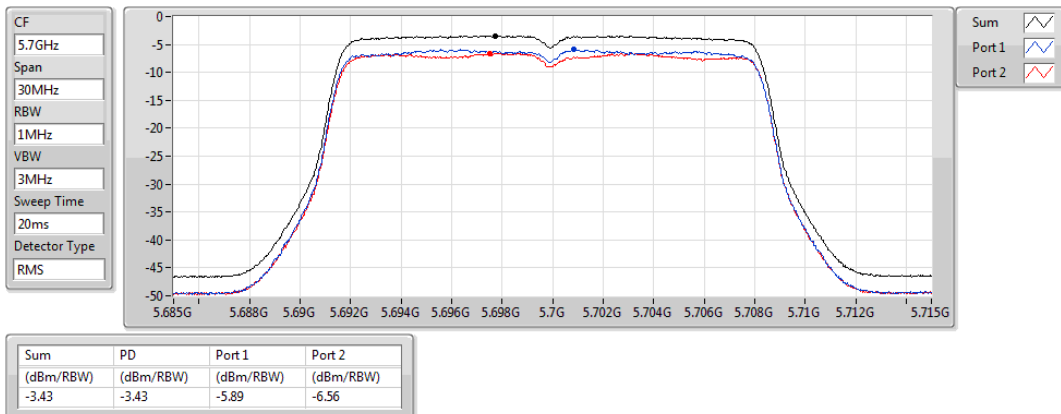


802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

08/08/2019

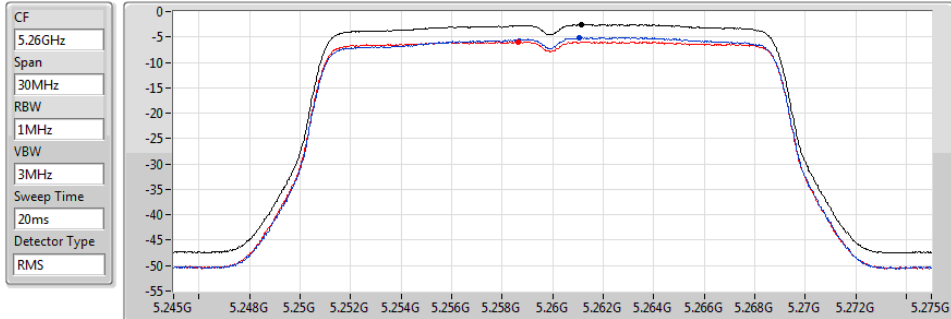


802.11ac VHT20_Nss1,(MCS0)_2TX

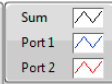
PSD

5260MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.54	-2.54	-5.06	-5.94

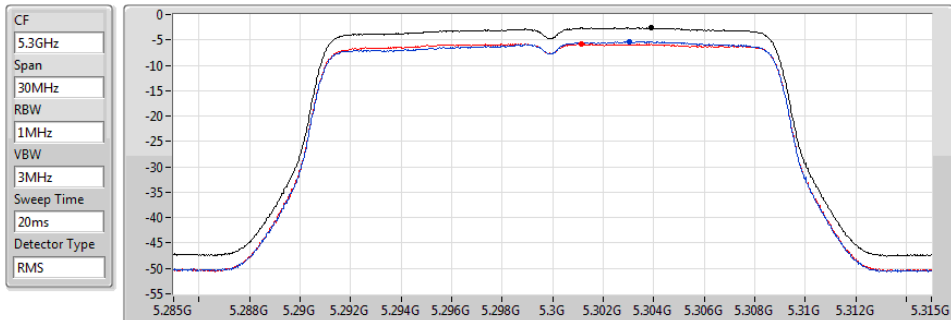


802.11ac VHT20_Nss1,(MCS0)_2TX

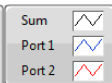
PSD

5300MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.62	-2.62	-5.37	-5.74

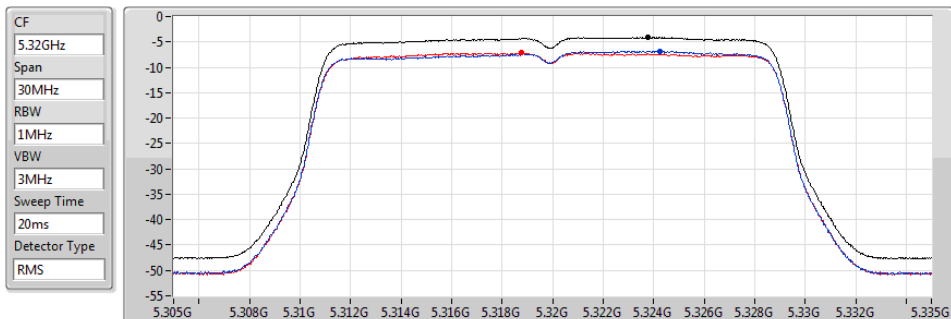


802.11ac VHT20_Nss1,(MCS0)_2TX

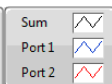
PSD

5320MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.09	-4.09	-6.80	-7.18

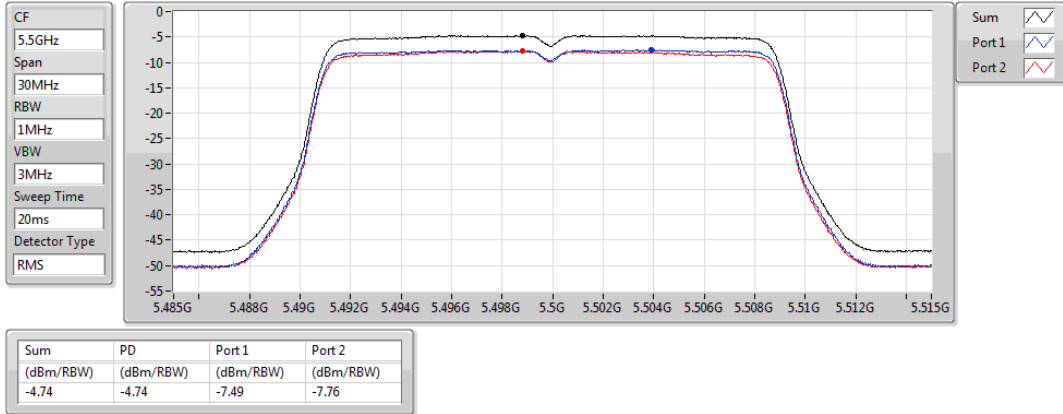


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

08/08/2019

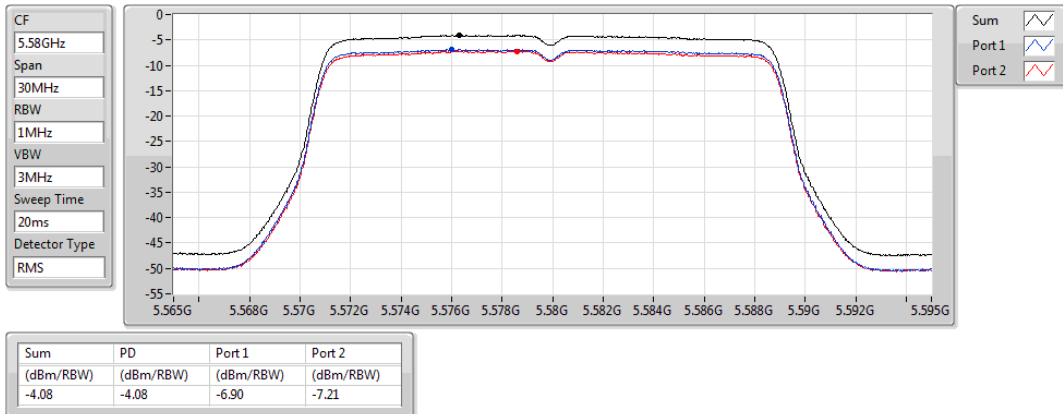


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

08/08/2019

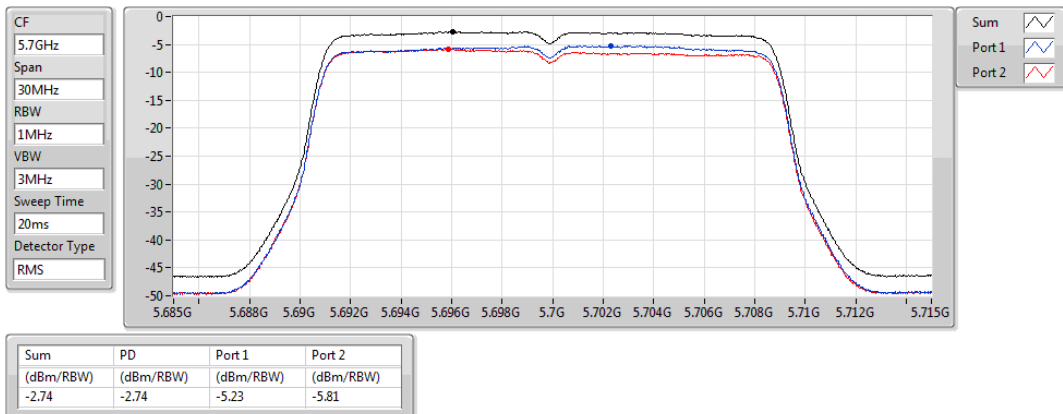


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

08/08/2019

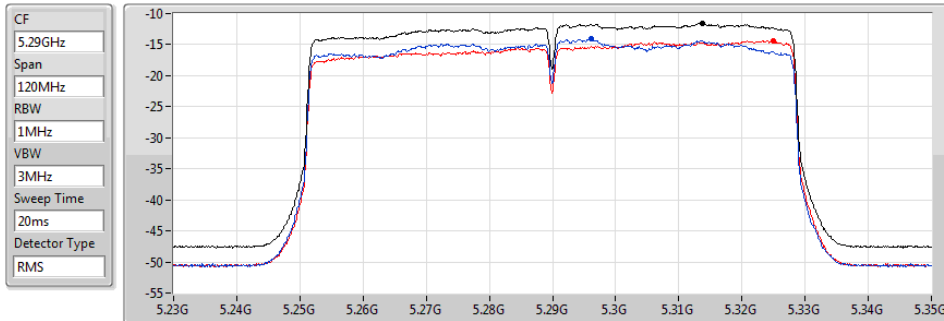


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

08/08/2019



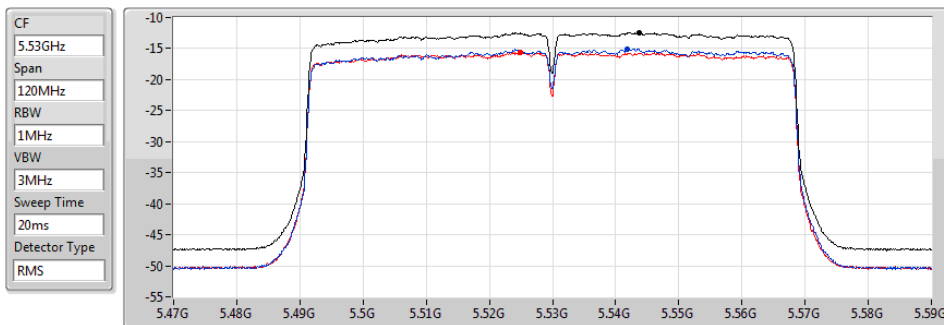
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.55	-11.55	-14.11	-14.38

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

08/08/2019



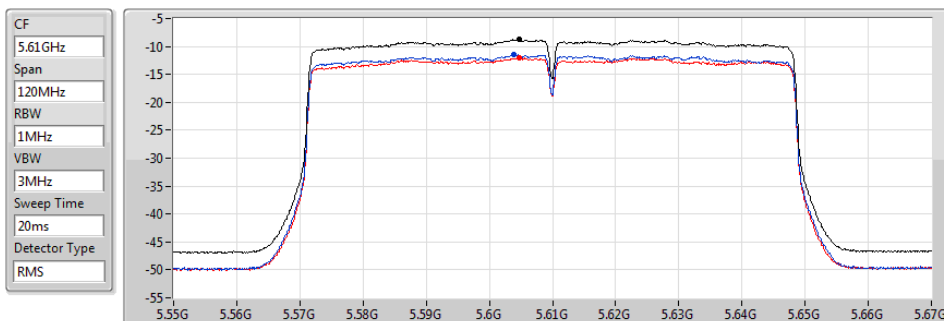
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.42	-12.42	-15.10	-15.61

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

08/08/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.75	-8.75	-11.49	-11.95

For EUT 1 + Ant. 1: Harmonic: 1~8GHz
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)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	1G	5.15G	AV	5.13651G	5.00	-56.08	-59.63	-54.49	-49.49	-41.20	-8.29
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	1G	5.15G	AV	5.13651G	5.00	-56.23	-59.80	-54.65	-49.65	-41.20	-8.45
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	1G	5.15G	AV	5.14896G	5.00	-63.60	-61.28	-59.28	-54.28	-41.20	-13.08
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	5.35G	5.46G	AV	5.42392G	5.00	-58.66	-63.35	-57.39	-52.39	-41.20	-11.19
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	5.35G	5.46G	AV	5.42392G	5.00	-58.02	-62.84	-56.78	-51.78	-41.20	-10.58
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	5.35G	5.46G	AV	5.42392G	5.00	-59.18	-63.39	-57.78	-52.78	-41.20	-11.58

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	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-56.08	-59.63	-54.49	-49.49	-41.20	-8.29
5260MHz	Pass	5.35G	5.46G	AV	5.37585G	5.00	-62.79	-63.54	-60.14	-55.14	-41.20	-13.94
5260MHz	Pass	5.46G	8G	AV	7.40723G	5.00	-65.58	-65.93	-62.74	-57.74	-41.20	-16.54
5260MHz	Pass	1G	8G	PK	5.14663G	5.00	-49.18	-47.43	-45.21	-40.21	-21.20	-19.01
5260MHz	Pass	1G	8G	PK	5.95425G	5.00	-52.38	-54.21	-50.19	-45.19	-27.00	-18.19
5260MHz	Pass	1G	8G	PK	6.11613G	5.00	-51.49	-53.84	-49.50	-44.50	-27.00	-17.50
5300MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-58.18	-60.00	-55.99	-50.99	-41.20	-9.79
5300MHz	Pass	5.35G	5.46G	AV	5.3742G	5.00	-63.88	-62.62	-60.19	-55.19	-41.20	-13.99
5300MHz	Pass	5.46G	8G	AV	7.40151G	5.00	-65.76	-65.85	-62.79	-57.79	-41.20	-16.59
5300MHz	Pass	1G	8G	PK	5.13963G	5.00	-52.38	-48.41	-46.95	-41.95	-21.20	-20.75
5300MHz	Pass	1G	8G	PK	5.87813G	5.00	-52.70	-53.95	-50.27	-45.27	-27.00	-18.27
5300MHz	Pass	1G	8G	PK	6.09513G	5.00	-51.64	-54.19	-49.72	-44.72	-27.00	-17.72
5320MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-59.24	-62.84	-57.67	-52.67	-41.20	-11.47
5320MHz	Pass	5.35G	5.46G	AV	5.36958G	5.00	-63.66	-63.75	-60.69	-55.69	-41.20	-14.49
5320MHz	Pass	5.46G	8G	AV	7.3977G	5.00	-65.99	-65.69	-62.83	-57.83	-41.20	-16.63
5320MHz	Pass	1G	8G	PK	5.14838G	5.00	-50.88	-52.87	-48.75	-43.75	-21.20	-22.55
5320MHz	Pass	1G	8G	PK	5.74425G	5.00	-51.89	-56.20	-50.52	-45.52	-27.00	-18.52
5320MHz	Pass	1G	8G	PK	6.89138G	5.00	-52.49	-52.21	-49.34	-44.34	-27.00	-17.34
5500MHz	Pass	1G	5.15G	AV	5.04003G	5.00	-62.14	-66.53	-60.79	-55.79	-41.20	-14.59
5500MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-63.80	-63.92	-60.85	-55.85	-41.20	-14.65
5500MHz	Pass	5.35G	5.46G	AV	5.42392G	5.00	-58.66	-63.35	-57.39	-52.39	-41.20	-11.19
5500MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.31	-67.12	-64.20	-59.20	-41.20	-18.00
5500MHz	Pass	5.46G	8G	AV	7.39866G	5.00	-65.65	-65.91	-62.77	-57.77	-41.20	-16.57
5500MHz	Pass	1G	8G	PK	5.17988G	5.00	-51.08	-49.35	-47.12	-42.12	-27.00	-15.12
5500MHz	Pass	1G	8G	PK	5.46075G	5.00	-56.86	-56.85	-53.84	-48.84	-27.00	-21.84
5500MHz	Pass	1G	8G	PK	5.80638G	5.00	-54.34	-51.81	-49.88	-44.88	-27.00	-17.88
5580MHz	Pass	1G	5.15G	AV	5.04003G	5.00	-61.93	-66.45	-60.62	-55.62	-41.20	-14.42
5580MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-64.22	-62.52	-60.28	-55.28	-41.20	-14.08
5580MHz	Pass	5.35G	5.46G	AV	5.42392G	5.00	-59.01	-62.54	-57.42	-52.42	-41.20	-11.22
5580MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.13	-67.58	-64.34	-59.34	-41.20	-18.14
5580MHz	Pass	5.46G	8G	AV	7.39675G	5.00	-66.17	-65.62	-62.88	-57.88	-41.20	-16.68
5580MHz	Pass	1G	8G	PK	5.17988G	5.00	-50.93	-50.02	-47.44	-42.44	-27.00	-15.44
5580MHz	Pass	1G	8G	PK	5.46513G	5.00	-55.40	-56.08	-52.72	-47.72	-27.00	-20.72
5580MHz	Pass	1G	8G	PK	5.78363G	5.00	-51.97	-53.74	-49.76	-44.76	-27.00	-17.76
5700MHz	Pass	1G	5.15G	AV	5.04003G	5.00	-61.78	-65.92	-60.36	-55.36	-41.20	-14.16
5700MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-65.52	-64.08	-61.73	-56.73	-41.20	-15.53
5700MHz	Pass	5.35G	5.46G	AV	5.42403G	5.00	-60.56	-64.90	-59.20	-54.20	-41.20	-13.00
5700MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.48	-67.56	-64.51	-59.51	-41.20	-18.31
5700MHz	Pass	5.46G	8G	AV	7.39866G	5.00	-65.65	-65.76	-62.69	-57.69	-41.20	-16.49
5700MHz	Pass	1G	8G	PK	5.17988G	5.00	-52.19	-50.51	-48.26	-43.26	-27.00	-16.26
5700MHz	Pass	1G	8G	PK	5.46775G	5.00	-54.86	-57.12	-52.83	-47.83	-27.00	-20.83
5700MHz	Pass	1G	8G	PK	5.80463G	5.00	-49.20	-51.40	-47.15	-42.15	-27.00	-15.15
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-56.23	-59.80	-54.65	-49.65	-41.20	-8.45
5260MHz	Pass	5.35G	5.46G	AV	5.37112G	5.00	-63.01	-63.54	-60.26	-55.26	-41.20	-14.06
5260MHz	Pass	5.46G	8G	AV	7.39739G	5.00	-65.87	-65.98	-62.91	-57.91	-41.20	-16.71
5260MHz	Pass	1G	8G	PK	5.14925G	5.00	-50.22	-48.15	-46.05	-41.05	-21.20	-19.85
5260MHz	Pass	1G	8G	PK	5.93763G	5.00	-52.67	-54.87	-50.62	-45.62	-27.00	-18.62
5260MHz	Pass	1G	8G	PK	6.94738G	5.00	-51.65	-53.06	-49.29	-44.29	-27.00	-17.29
5300MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-58.77	-62.39	-57.20	-52.20	-41.20	-11.00
5300MHz	Pass	5.35G	5.46G	AV	5.37189G	5.00	-63.97	-64.74	-61.33	-56.33	-41.20	-15.13
5300MHz	Pass	5.46G	8G	AV	7.39231G	5.00	-65.75	-65.73	-62.73	-57.73	-41.20	-16.53

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)
5300MHz	Pass	1G	8G	PK	5.13525G	5.00	-50.60	-52.86	-48.57	-43.57	-21.20	-22.37
5300MHz	Pass	1G	8G	PK	5.85188G	5.00	-54.66	-52.33	-50.33	-45.33	-27.00	-18.33
5300MHz	Pass	1G	8G	PK	6.845G	5.00	-54.97	-51.67	-50.00	-45.00	-27.00	-18.00
5320MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-59.19	-64.44	-58.06	-53.06	-41.20	-11.86
5320MHz	Pass	5.35G	5.46G	AV	5.3742G	5.00	-63.81	-65.08	-61.39	-56.39	-41.20	-15.19
5320MHz	Pass	5.46G	8G	AV	7.40247G	5.00	-65.80	-66.16	-62.97	-57.97	-41.20	-16.77
5320MHz	Pass	1G	8G	PK	5.13613G	5.00	-49.64	-54.85	-48.50	-43.50	-21.20	-22.30
5320MHz	Pass	1G	8G	PK	5.851G	5.00	-55.72	-52.32	-50.69	-45.69	-27.00	-18.69
5320MHz	Pass	1G	8G	PK	6.9745G	5.00	-52.51	-52.90	-49.69	-44.69	-27.00	-17.69
5500MHz	Pass	1G	5.15G	AV	5.04003G	5.00	-62.06	-66.66	-60.77	-55.77	-41.20	-14.57
5500MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-64.16	-63.82	-60.98	-55.98	-41.20	-14.78
5500MHz	Pass	5.35G	5.46G	AV	5.42403G	5.00	-58.82	-63.39	-57.52	-52.52	-41.20	-11.32
5500MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.37	-67.53	-64.44	-59.44	-41.20	-18.24
5500MHz	Pass	5.46G	8G	AV	7.40564G	5.00	-65.86	-65.82	-62.83	-57.83	-41.20	-16.63
5500MHz	Pass	1G	8G	PK	5.17988G	5.00	-51.56	-49.79	-47.58	-42.58	-27.00	-15.58
5500MHz	Pass	1G	8G	PK	5.46425G	5.00	-56.66	-56.87	-53.75	-48.75	-27.00	-21.75
5500MHz	Pass	1G	8G	PK	5.90525G	5.00	-54.05	-52.04	-49.92	-44.92	-27.00	-17.92
5580MHz	Pass	1G	5.15G	AV	5.04003G	5.00	-61.68	-66.42	-60.42	-55.42	-41.20	-14.22
5580MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-64.31	-62.60	-60.36	-55.36	-41.20	-14.16
5580MHz	Pass	5.35G	5.46G	AV	5.42392G	5.00	-58.02	-62.84	-56.78	-51.78	-41.20	-10.58
5580MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.67	-67.47	-64.56	-59.56	-41.20	-18.36
5580MHz	Pass	5.46G	8G	AV	7.39294G	5.00	-66.03	-65.87	-62.94	-57.94	-41.20	-16.74
5580MHz	Pass	1G	8G	PK	5.17988G	5.00	-51.68	-47.91	-46.39	-41.39	-27.00	-14.39
5580MHz	Pass	1G	8G	PK	5.46163G	5.00	-55.76	-57.33	-53.46	-48.46	-27.00	-21.46
5580MHz	Pass	1G	8G	PK	5.78275G	5.00	-51.79	-53.44	-49.53	-44.53	-27.00	-17.53
5700MHz	Pass	1G	5.15G	AV	5.04003G	5.00	-62.24	-66.41	-60.83	-55.83	-41.20	-14.63
5700MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-65.28	-64.25	-61.72	-56.72	-41.20	-15.52
5700MHz	Pass	5.35G	5.46G	AV	5.42392G	5.00	-60.32	-64.82	-59.00	-54.00	-41.20	-12.80
5700MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.65	-67.43	-64.53	-59.53	-41.20	-18.33
5700MHz	Pass	5.46G	8G	AV	7.42406G	5.00	-65.91	-65.92	-62.90	-57.90	-41.20	-16.70
5700MHz	Pass	1G	8G	PK	5.17988G	5.00	-52.83	-49.55	-47.88	-42.88	-27.00	-15.88
5700MHz	Pass	1G	8G	PK	5.46163G	5.00	-54.54	-58.62	-53.11	-48.11	-27.00	-21.11
5700MHz	Pass	1G	8G	PK	5.79325G	5.00	-50.39	-49.74	-47.04	-42.04	-27.00	-15.04
802.11ac VHT80_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	1G	5.15G	AV	5.14896G	5.00	-63.60	-61.28	-59.28	-54.28	-41.20	-13.08
5290MHz	Pass	5.35G	5.46G	AV	5.37387G	5.00	-63.76	-62.66	-60.16	-55.16	-41.20	-13.96
5290MHz	Pass	5.46G	8G	AV	7.43358G	5.00	-65.77	-65.63	-62.69	-57.69	-41.20	-16.49
5290MHz	Pass	1G	8G	PK	5.14925G	5.00	-53.95	-50.71	-49.02	-44.02	-21.20	-22.82
5290MHz	Pass	1G	8G	PK	5.907G	5.00	-53.50	-53.09	-50.68	-45.68	-27.00	-18.68
5290MHz	Pass	1G	8G	PK	6.93075G	5.00	-51.56	-52.34	-48.92	-43.92	-27.00	-16.92
5530MHz	Pass	1G	5.15G	AV	5.11991G	5.00	-66.03	-66.10	-63.05	-58.05	-41.20	-16.85
5530MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-66.33	-65.55	-62.91	-57.91	-41.20	-16.71
5530MHz	Pass	5.35G	5.46G	AV	5.41413G	5.00	-64.55	-63.51	-60.99	-55.99	-41.20	-14.79
5530MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.11	-67.47	-64.28	-59.28	-41.20	-18.08
5530MHz	Pass	5.46G	8G	AV	7.39231G	5.00	-65.51	-65.82	-62.65	-57.65	-41.20	-16.45
5530MHz	Pass	1G	8G	PK	5.34875G	5.00	-54.53	-52.42	-50.34	-45.34	-27.00	-18.34
5530MHz	Pass	1G	8G	PK	5.46775G	5.00	-56.23	-56.86	-53.52	-48.52	-27.00	-21.52
5530MHz	Pass	1G	8G	PK	5.84488G	5.00	-54.15	-52.35	-50.15	-45.15	-27.00	-18.15
5530MHz	Pass	1G	8G	PK	6.7855G	5.00	-51.43	-53.62	-49.38	-44.38	-27.00	-17.38
5610MHz	Pass	1G	5.15G	AV	5.04003G	5.00	-61.91	-66.39	-60.59	-55.59	-41.20	-14.39
5610MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-64.56	-64.20	-61.37	-56.37	-41.20	-15.17
5610MHz	Pass	5.35G	5.46G	AV	5.42392G	5.00	-59.18	-63.39	-57.78	-52.78	-41.20	-11.58
5610MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.58	-67.29	-64.42	-59.42	-41.20	-18.22
5610MHz	Pass	5.46G	8G	AV	7.40755G	5.00	-65.51	-65.79	-62.64	-57.64	-41.20	-16.44

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)
5610MHz	Pass	1G	8G	PK	5.17988G	5.00	-52.24	-49.30	-47.52	-42.52	-27.00	-15.52
5610MHz	Pass	1G	8G	PK	5.46163G	5.00	-58.01	-53.74	-52.36	-47.36	-27.00	-20.36
5610MHz	Pass	1G	8G	PK	5.78975G	5.00	-50.96	-50.33	-47.62	-42.62	-27.00	-15.62

DG = Directional Gain;

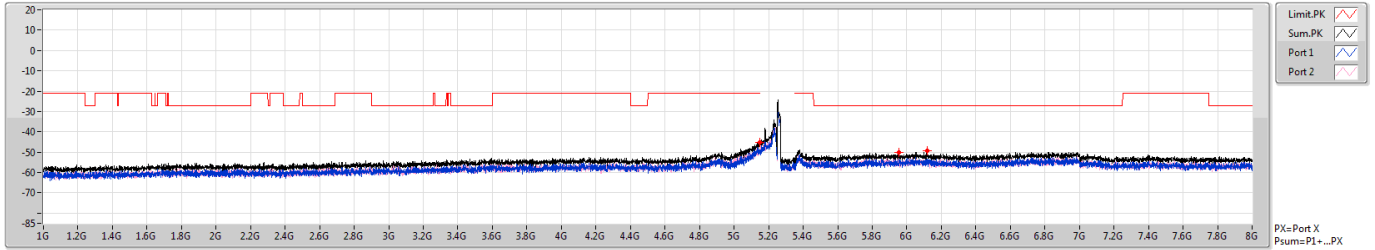
PX=Port X; Psum=P1+.P2+...PX

802.11a_Nss1,(6Mbps)_2TX

CSE-PK

5260MHz

07/08/2019



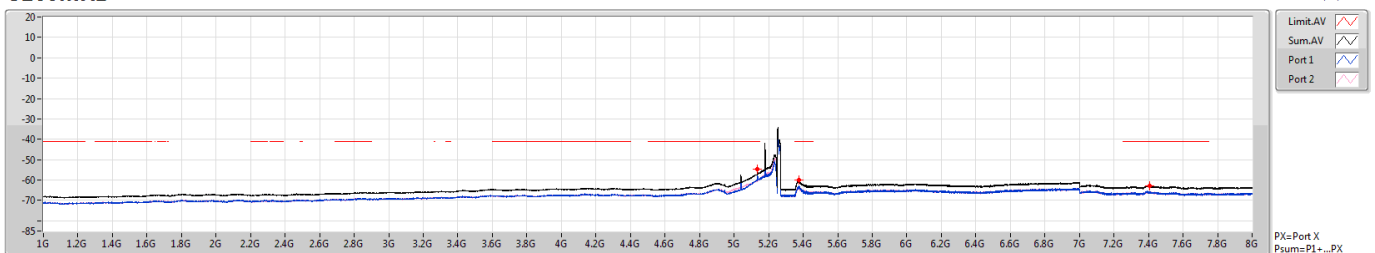
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.14663G	-40.21	-21.20	-19.01	5.00	0.00	-45.21	-49.18	-47.43
1G	8G	1M	PK	5.95425G	-45.19	-27.00	-18.19	5.00	0.00	-50.19	-52.38	-54.21
1G	8G	1M	PK	6.11613G	-44.50	-27.00	-17.50	5.00	0.00	-49.50	-51.49	-53.84

802.11a_Nss1,(6Mbps)_2TX

CSE-AV

5260MHz

07/08/2019



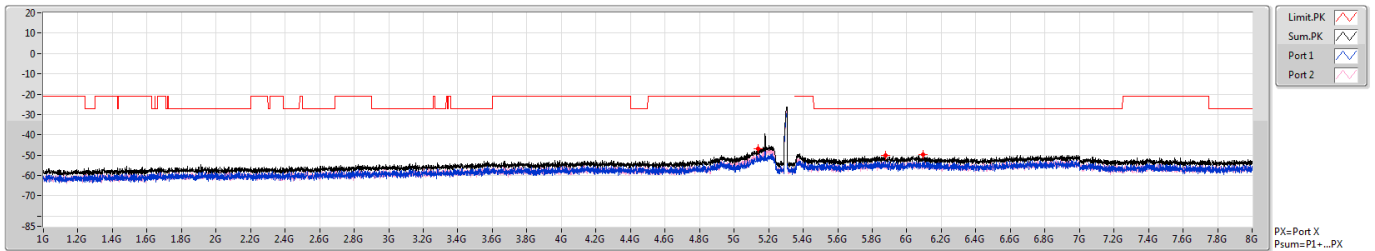
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.13651G	-49.49	-41.20	-8.29	5.00	0.00	-54.49	-56.08	-59.63
5.35G	5.46G	1M	AV	5.37585G	-55.14	-41.20	-13.94	5.00	0.00	-60.14	-62.79	-63.54
5.46G	8G	1M	AV	7.40723G	-57.74	-41.20	-16.54	5.00	0.00	-62.74	-65.58	-65.93

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-PK

07/08/2019



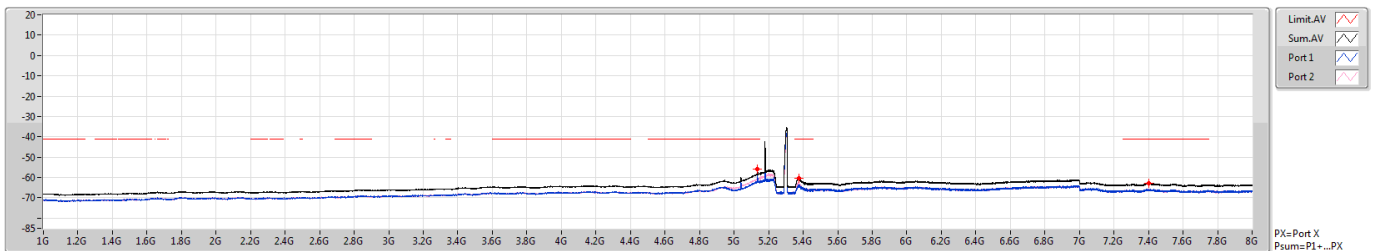
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.13963G	-41.95	-21.20	-20.75	5.00	0.00	-46.95	-52.38	-48.41
1G	8G	1M	PK	5.87813G	-45.27	-27.00	-18.27	5.00	0.00	-50.27	-52.70	-53.95
1G	8G	1M	PK	6.09513G	-44.72	-27.00	-17.72	5.00	0.00	-49.72	-51.64	-54.19

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-AV

07/08/2019



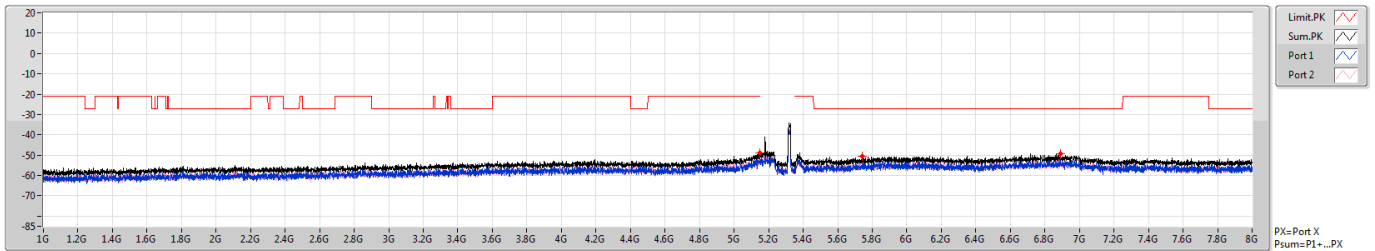
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.13651G	-50.99	-41.20	-9.79	5.00	0.00	-55.99	-58.18	-60.00
5.35G	5.46G	1M	AV	5.3742G	-55.19	-41.20	-13.99	5.00	0.00	-60.19	-63.88	-62.62
5.46G	8G	1M	AV	7.40151G	-57.79	-41.20	-16.59	5.00	0.00	-62.79	-65.76	-65.85

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-PK

07/08/2019



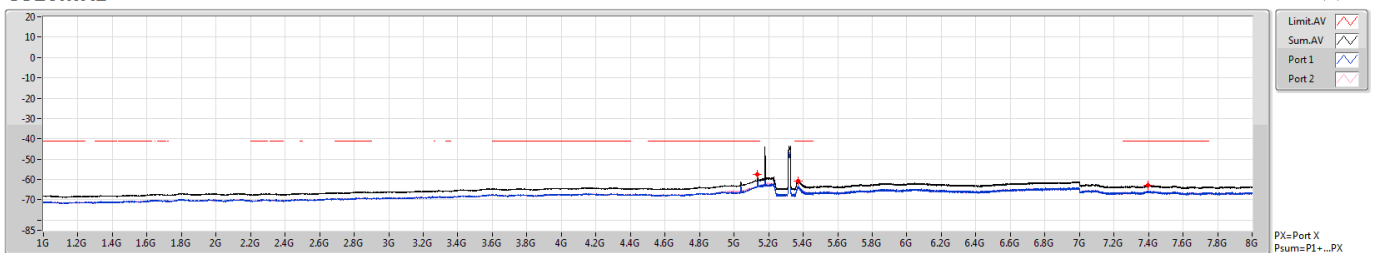
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.14838G	-43.75	-21.20	-22.55	5.00	0.00	-48.75	-50.88	-52.87
1G	8G	1M	PK	5.74425G	-45.52	-27.00	-18.52	5.00	0.00	-50.52	-51.89	-56.20
1G	8G	1M	PK	6.89138G	-44.34	-27.00	-17.34	5.00	0.00	-49.34	-52.49	-52.21

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-AV

07/08/2019



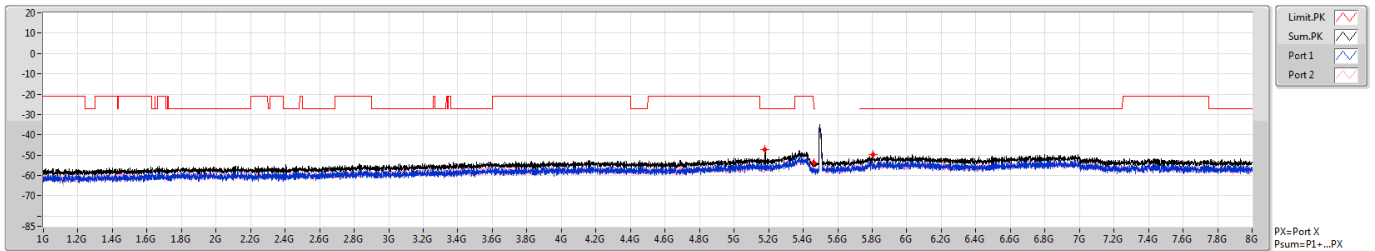
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.13651G	-52.67	-41.20	-11.47	5.00	0.00	-57.67	-59.24	-62.84
5.35G	5.46G	1M	AV	5.36958G	-55.69	-41.20	-14.49	5.00	0.00	-60.69	-63.66	-63.75
5.46G	8G	1M	AV	7.3977G	-57.83	-41.20	-16.63	5.00	0.00	-62.83	-65.99	-65.69

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-PK

07/08/2019



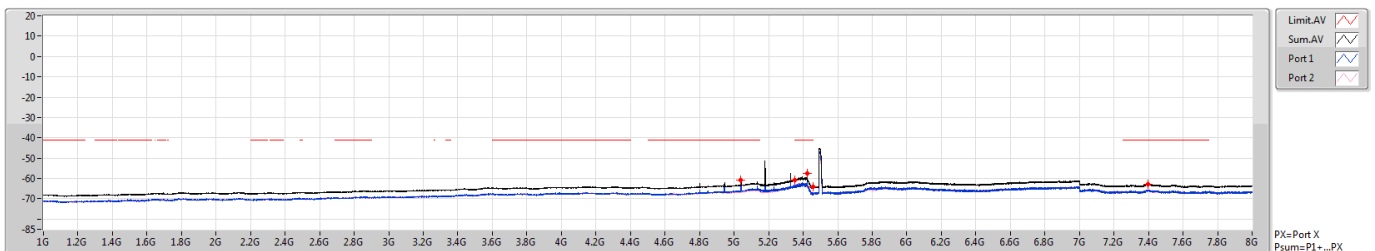
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-42.12	-27.00	-15.12	5.00	0.00	-47.12	-51.08	-49.35
1G	8G	1M	PK	5.46075G	-48.84	-27.00	-21.84	5.00	0.00	-53.84	-56.86	-56.85
1G	8G	1M	PK	5.80638G	-44.88	-27.00	-17.88	5.00	0.00	-49.88	-54.34	-51.81

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-AV

07/08/2019



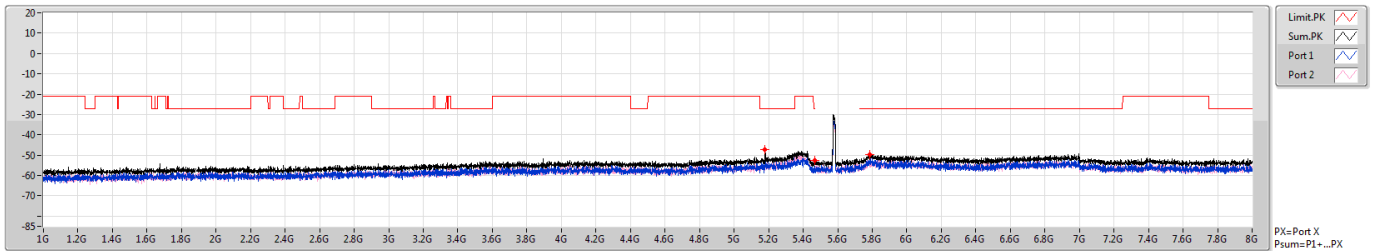
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.04003G	-55.79	-41.20	-14.59	5.00	0.00	-60.79	-62.14	-66.53
5.15G	5.35G	1M	AV	5.35G	-55.85	-41.20	-14.65	5.00	0.00	-60.85	-63.80	-63.92
5.35G	5.46G	1M	AV	5.42392G	-52.39	-41.20	-11.19	5.00	0.00	-57.39	-58.66	-63.35
5.35G	5.46G	1M	AV	5.46G	-59.20	-41.20	-18.00	5.00	0.00	-64.20	-67.31	-67.12
5.46G	8G	1M	AV	7.39866G	-57.77	-41.20	-16.57	5.00	0.00	-62.77	-65.65	-65.91

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-PK

07/08/2019



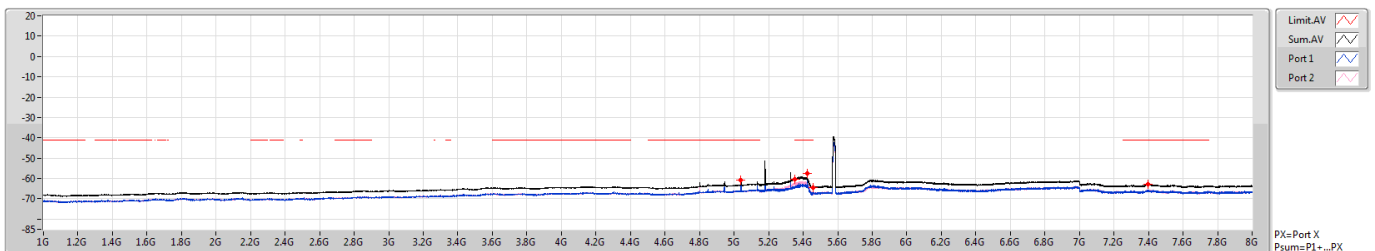
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-42.44	-27.00	-15.44	5.00	0.00	-47.44	-50.93	-50.02
1G	8G	1M	PK	5.46513G	-47.72	-27.00	-20.72	5.00	0.00	-52.72	-55.40	-56.08
1G	8G	1M	PK	5.78363G	-44.76	-27.00	-17.76	5.00	0.00	-49.76	-51.97	-53.74

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-AV

07/08/2019



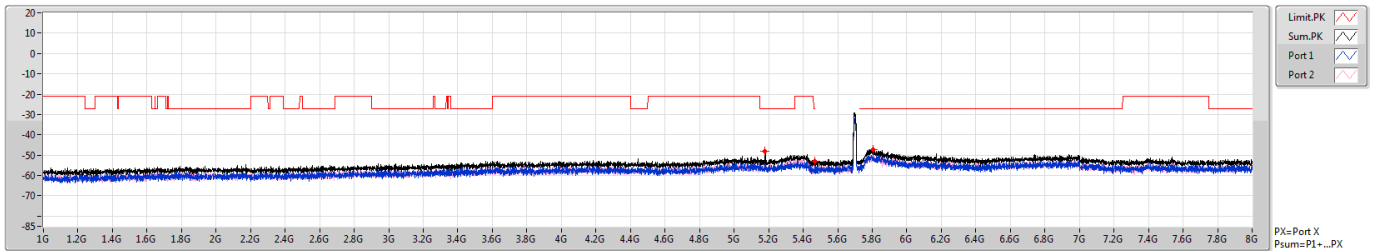
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.04003G	-55.62	-41.20	-14.42	5.00	0.00	-60.62	-61.93	-66.45
5.15G	5.35G	1M	AV	5.35G	-55.28	-41.20	-14.08	5.00	0.00	-60.28	-64.22	-62.52
5.35G	5.46G	1M	AV	5.42392G	-52.42	-41.20	-11.22	5.00	0.00	-57.42	-59.01	-62.54
5.35G	5.46G	1M	AV	5.46G	-59.34	-41.20	-18.14	5.00	0.00	-64.34	-67.13	-67.58
5.46G	8G	1M	AV	7.39675G	-57.88	-41.20	-16.68	5.00	0.00	-62.88	-66.17	-65.62

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-PK

07/08/2019



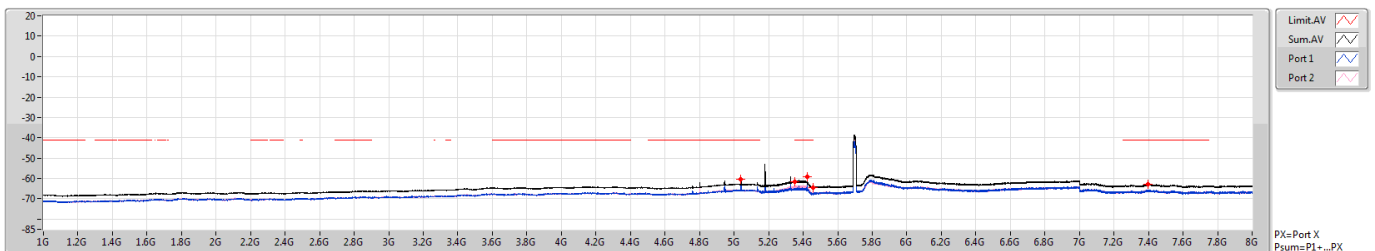
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-43.26	-27.00	-16.26	5.00	0.00	-48.26	-52.19	-50.51
1G	8G	1M	PK	5.46775G	-47.83	-27.00	-20.83	5.00	0.00	-52.83	-54.86	-57.12
1G	8G	1M	PK	5.80463G	-42.15	-27.00	-15.15	5.00	0.00	-47.15	-49.20	-51.40

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-AV

07/08/2019



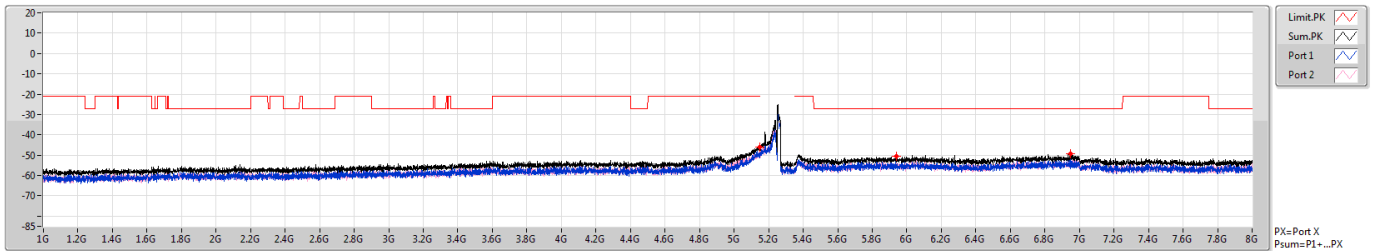
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.04003G	-55.36	-41.20	-14.16	5.00	0.00	-60.36	-61.78	-65.92
5.15G	5.35G	1M	AV	5.35G	-56.73	-41.20	-15.53	5.00	0.00	-61.73	-65.52	-64.08
5.35G	5.46G	1M	AV	5.42403G	-54.20	-41.20	-13.00	5.00	0.00	-59.20	-60.56	-64.90
5.35G	5.46G	1M	AV	5.46G	-59.51	-41.20	-18.31	5.00	0.00	-64.51	-67.48	-67.56
5.46G	8G	1M	AV	7.39866G	-57.69	-41.20	-16.49	5.00	0.00	-62.69	-65.65	-65.76

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-PK

07/08/2019



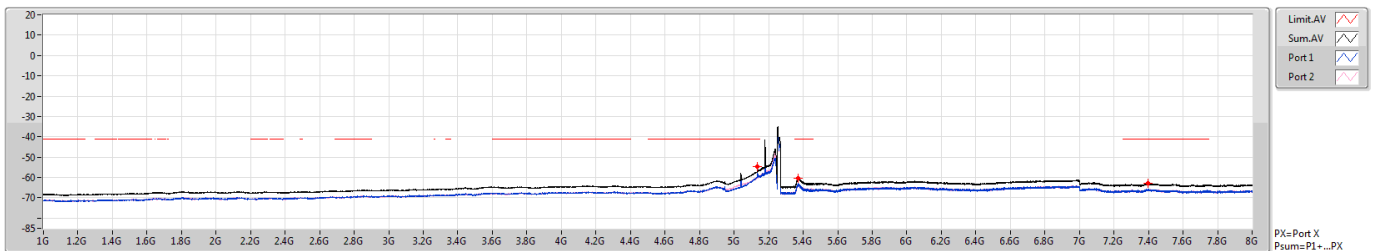
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.14925G	-41.05	-21.20	-19.85	5.00	0.00	-46.05	-50.22	-48.15
1G	8G	1M	PK	5.93763G	-45.62	-27.00	-18.62	5.00	0.00	-50.62	-52.67	-54.87
1G	8G	1M	PK	6.94738G	-44.29	-27.00	-17.29	5.00	0.00	-49.29	-51.65	-53.06

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-AV

07/08/2019



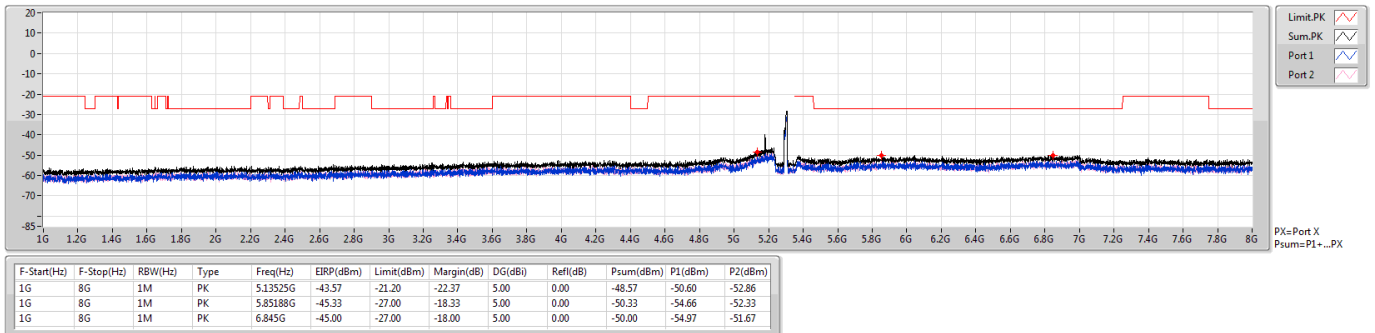
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.13651G	-49.65	-41.20	-8.45	5.00	0.00	-54.65	-56.23	-59.80
5.35G	5.46G	1M	AV	5.37112G	-55.26	-41.20	-14.06	5.00	0.00	-60.26	-63.01	-63.54
5.46G	8G	1M	AV	7.39739G	-57.91	-41.20	-16.71	5.00	0.00	-62.91	-65.87	-65.98

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-PK

07/08/2019

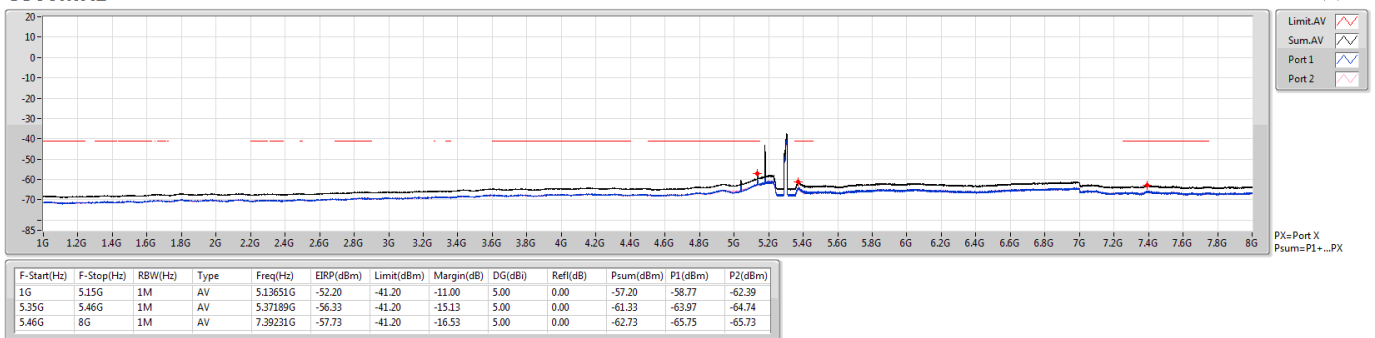


802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-AV

07/08/2019

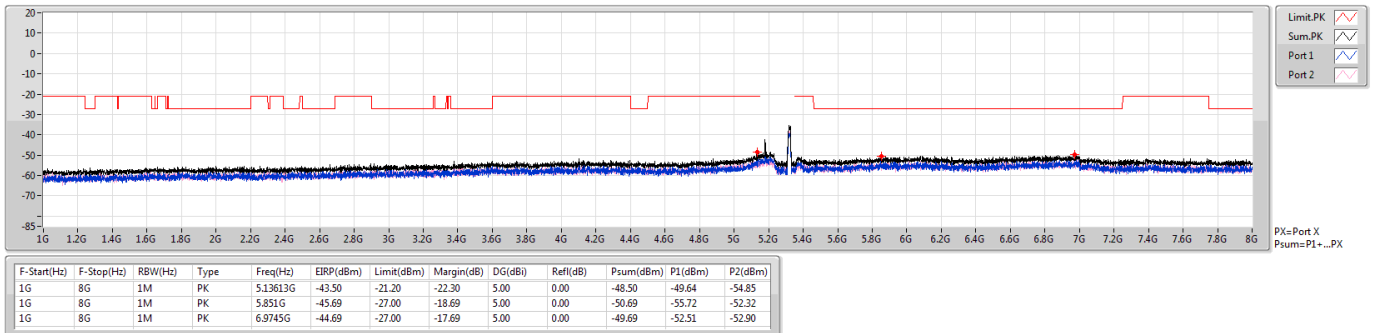


802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-PK

07/08/2019

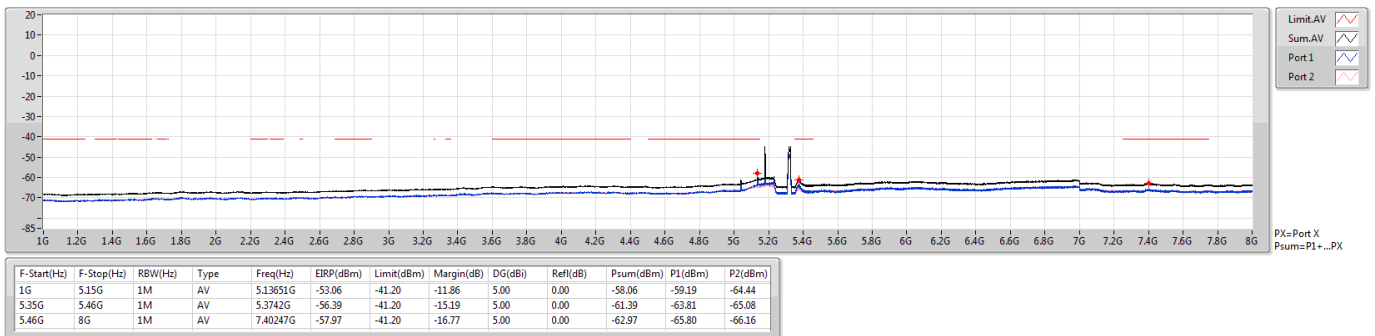


802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-AV

07/08/2019

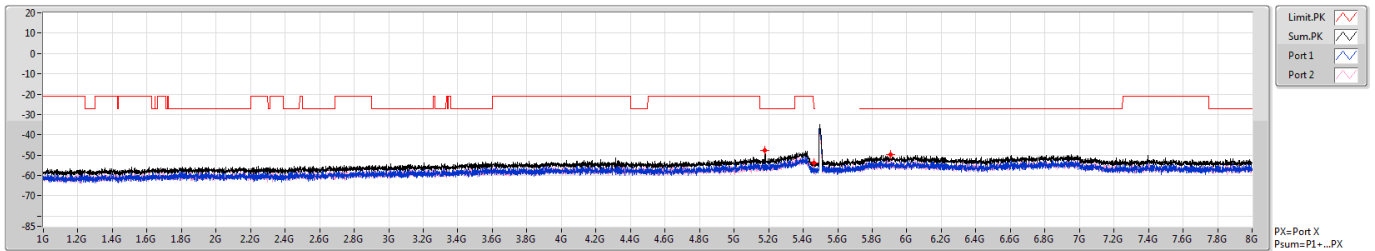


802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz

CSE-PK

07/08/2019



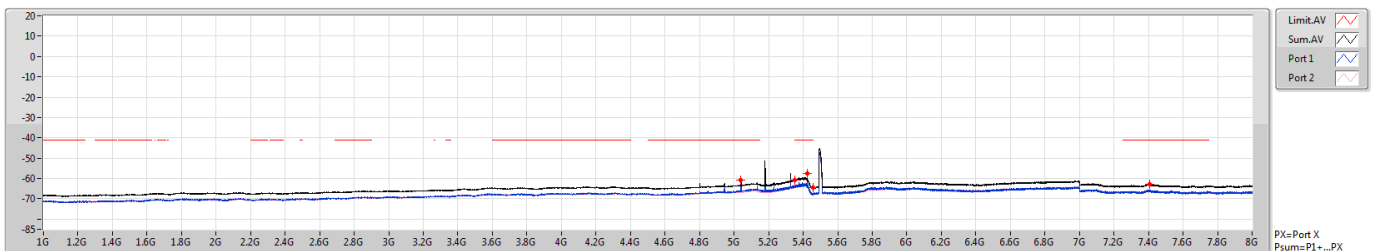
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-42.58	-27.00	-15.58	5.00	0.00	-47.58	-51.56	-49.79
1G	8G	1M	PK	5.46425G	-48.75	-27.00	-21.75	5.00	0.00	-53.75	-56.66	-56.87
1G	8G	1M	PK	5.90525G	-44.92	-27.00	-17.92	5.00	0.00	-49.92	-54.05	-52.04

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz

CSE-AV

07/08/2019



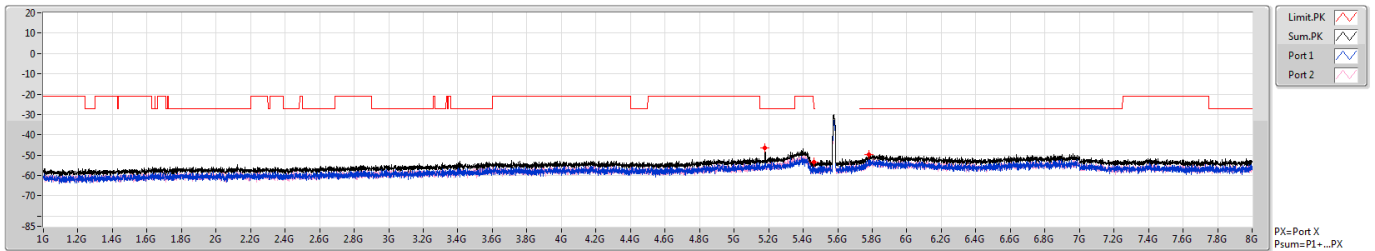
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.04003G	-55.77	-41.20	-14.57	5.00	0.00	-60.77	-62.06	-66.66
5.15G	5.35G	1M	AV	5.35G	-55.98	-41.20	-14.78	5.00	0.00	-60.98	-64.16	-63.82
5.35G	5.46G	1M	AV	5.42403G	-52.52	-41.20	-11.32	5.00	0.00	-57.52	-58.82	-63.39
5.35G	5.46G	1M	AV	5.46G	-59.44	-41.20	-18.24	5.00	0.00	-64.44	-67.37	-67.53
5.46G	8G	1M	AV	7.40564G	-57.83	-41.20	-16.63	5.00	0.00	-62.83	-65.86	-65.82

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

CSE-PK

07/08/2019



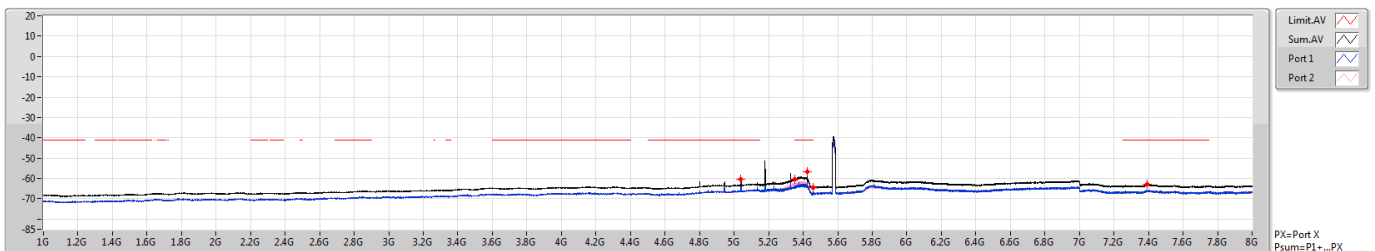
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-41.39	-27.00	-14.39	5.00	0.00	-46.39	-51.68	-47.91
1G	8G	1M	PK	5.46163G	-48.46	-27.00	-21.46	5.00	0.00	-53.46	-55.76	-57.33
1G	8G	1M	PK	5.78275G	-44.53	-27.00	-17.53	5.00	0.00	-49.53	-51.79	-53.44

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

CSE-AV

07/08/2019



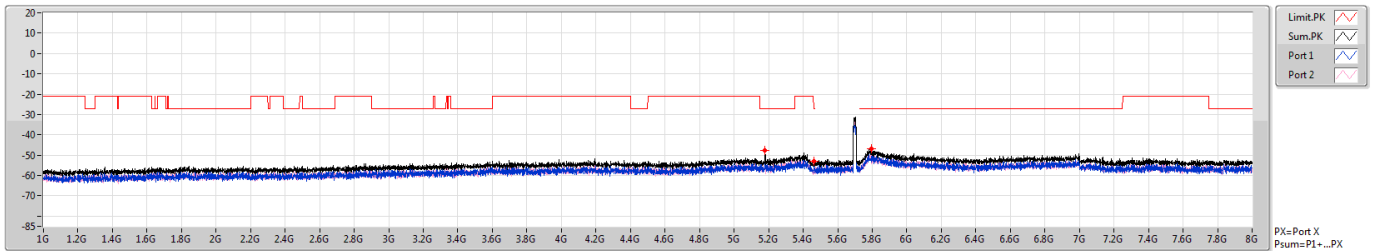
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.04003G	-55.42	-41.20	-14.22	5.00	0.00	-60.42	-61.68	-66.42
5.15G	5.35G	1M	AV	5.35G	-55.36	-41.20	-14.16	5.00	0.00	-60.36	-64.31	-62.60
5.35G	5.46G	1M	AV	5.42392G	-51.78	-41.20	-10.58	5.00	0.00	-56.78	-58.02	-62.84
5.35G	5.46G	1M	AV	5.46G	-59.56	-41.20	-18.36	5.00	0.00	-64.56	-67.67	-67.47
5.46G	8G	1M	AV	7.39294G	-57.94	-41.20	-16.74	5.00	0.00	-62.94	-66.03	-65.87

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

CSE-PK

07/08/2019



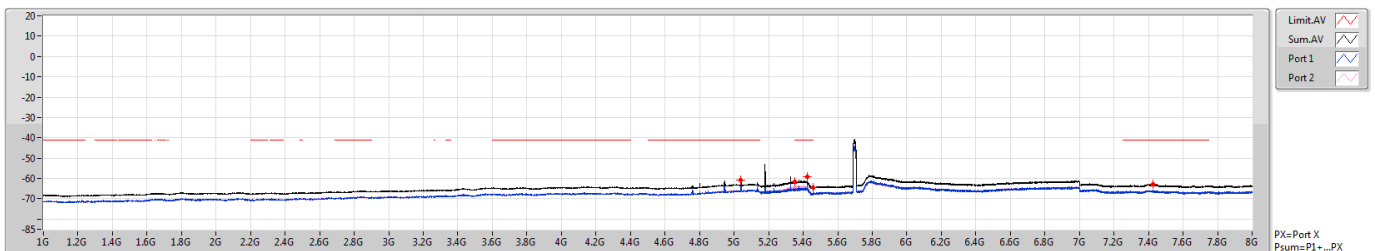
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1G	8G	1M	PK	5.17988G	-42.88	-27.00	-15.88	5.00	0.00	-47.88	-52.83	-49.55
1G	8G	1M	PK	5.46163G	-48.11	-27.00	-21.11	5.00	0.00	-53.11	-54.54	-58.62
1G	8G	1M	PK	5.79325G	-42.04	-27.00	-15.04	5.00	0.00	-47.04	-50.39	-49.74

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

CSE-AV

07/08/2019



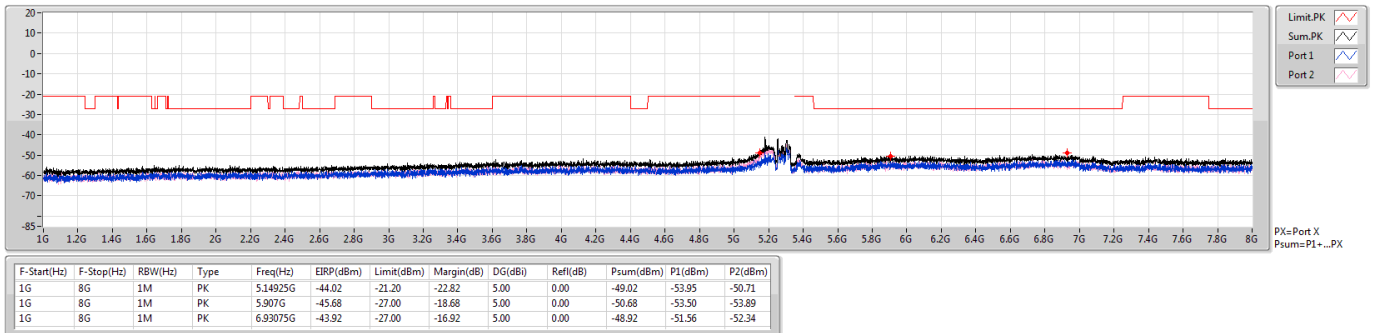
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.04003G	-55.83	-41.20	-14.63	5.00	0.00	-60.83	-62.24	-66.41
5.15G	5.35G	1M	AV	5.35G	-56.72	-41.20	-15.52	5.00	0.00	-61.72	-65.28	-64.25
5.35G	5.46G	1M	AV	5.42392G	-54.00	-41.20	-12.80	5.00	0.00	-59.00	-60.32	-64.82
5.35G	5.46G	1M	AV	5.46G	-59.53	-41.20	-18.33	5.00	0.00	-64.53	-67.65	-67.43
5.46G	8G	1M	AV	7.42406G	-57.90	-41.20	-16.70	5.00	0.00	-62.90	-65.91	-65.92

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

CSE-PK

07/08/2019



802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

CSE-AV

07/08/2019

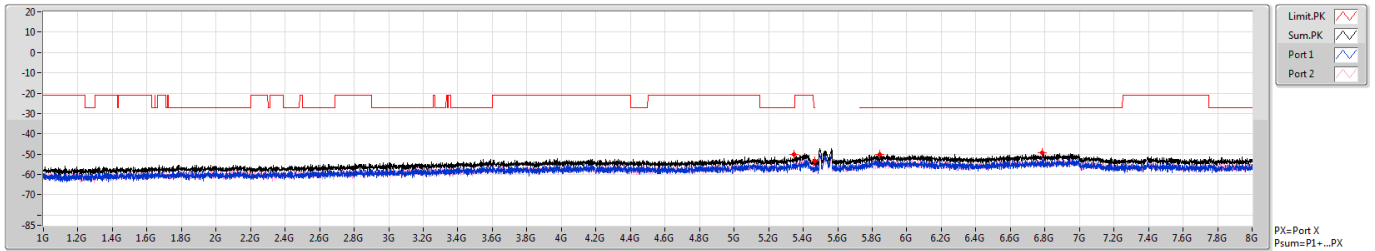


802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz

CSE-PK

07/08/2019



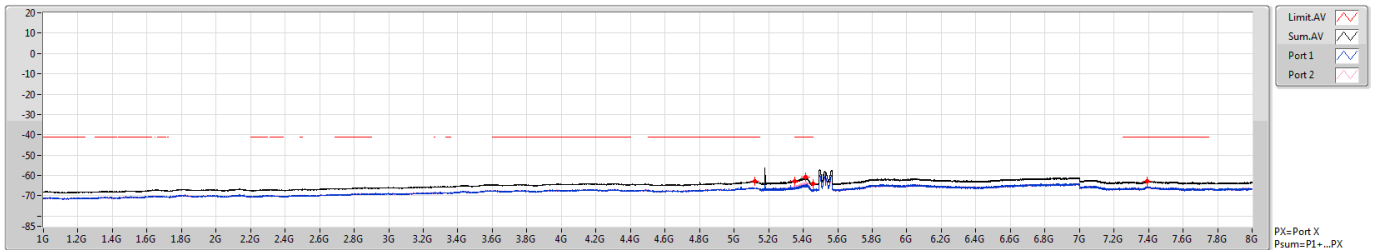
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.34875G	-45.34	-27.00	-18.34	5.00	0.00	-50.34	-54.53	-52.42
1G	8G	1M	PK	5.46775G	-48.52	-27.00	-21.52	5.00	0.00	-53.52	-56.23	-56.86
1G	8G	1M	PK	5.84488G	-45.15	-27.00	-18.15	5.00	0.00	-50.15	-54.15	-52.35
1G	8G	1M	PK	6.7855G	-44.38	-27.00	-17.38	5.00	0.00	-49.38	-51.43	-53.62

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz

CSE-AV

07/08/2019



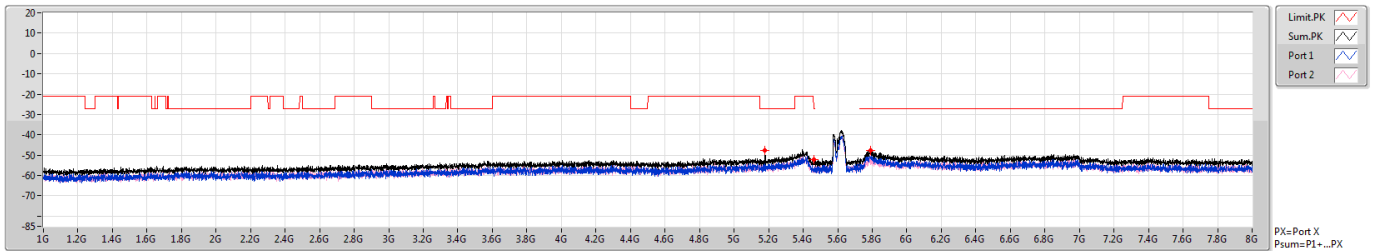
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.11991G	-58.05	-41.20	-16.85	5.00	0.00	-63.05	-66.03	-66.10
5.15G	5.35G	1M	AV	5.35G	-57.91	-41.20	-16.71	5.00	0.00	-62.91	-66.33	-65.55
5.35G	5.46G	1M	AV	5.41413G	-55.99	-41.20	-14.79	5.00	0.00	-60.99	-64.55	-63.51
5.35G	5.46G	1M	AV	5.46G	-59.28	-41.20	-18.08	5.00	0.00	-64.28	-67.11	-67.47
5.46G	8G	1M	AV	7.39231G	-57.65	-41.20	-16.45	5.00	0.00	-62.65	-65.51	-65.82

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

CSE-PK

07/08/2019



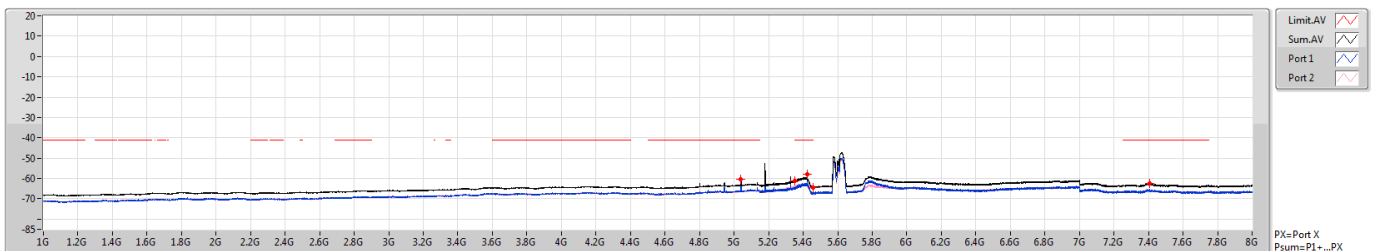
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-42.52	-27.00	-15.52	5.00	0.00	-47.52	-52.24	-49.30
1G	8G	1M	PK	5.46163G	-47.36	-27.00	-20.36	5.00	0.00	-52.36	-58.01	-53.74
1G	8G	1M	PK	5.78975G	-42.62	-27.00	-15.62	5.00	0.00	-47.62	-50.96	-50.33

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

CSE-AV

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.04003G	-55.59	-41.20	-14.39	5.00	0.00	-60.59	-61.91	-66.39
5.15G	5.35G	1M	AV	5.35G	-56.37	-41.20	-15.17	5.00	0.00	-61.37	-64.56	-64.20
5.35G	5.46G	1M	AV	5.42392G	-52.78	-41.20	-11.58	5.00	0.00	-57.78	-59.18	-63.39
5.35G	5.46G	1M	AV	5.46G	-59.42	-41.20	-18.22	5.00	0.00	-64.42	-67.58	-67.29
5.46G	8G	1M	AV	7.40755G	-57.64	-41.20	-16.44	5.00	0.00	-62.64	-65.51	-65.79

For EUT 1 + Ant. 1: Harmonic: 8~40GHz
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)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	8G	40G	AV	39.602G	5.00	-74.35	-74.13	-71.23	-66.23	-41.20	-25.03
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.853G	5.00	-75.23	-73.75	-71.42	-66.42	-41.20	-25.22
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.577G	5.00	-74.31	-74.33	-71.31	-66.31	-41.20	-25.11
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	8G	40G	AV	39.814G	5.00	-73.84	-74.14	-70.98	-65.98	-41.20	-24.78
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.798G	5.00	-74.23	-74.44	-71.32	-66.32	-41.20	-25.12
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.84G	5.00	-73.80	-74.60	-71.17	-66.17	-41.20	-24.97

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	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8G	40G	AV	39.799G	5.00	-74.45	-74.47	-71.45	-66.45	-41.20	-25.25
5260MHz	Pass	8G	40G	PK	10.524G	5.00	-74.72	-73.65	-71.14	-66.14	-27.00	-39.14
5260MHz	Pass	8G	40G	PK	38.492G	5.00	-66.08	-65.44	-62.74	-57.74	-27.00	-30.74
5300MHz	Pass	8G	40G	AV	10.607G	5.00	-83.99	-83.81	-80.89	-75.89	-41.20	-34.69
5300MHz	Pass	8G	40G	AV	39.83G	5.00	-74.51	-74.21	-71.35	-66.35	-41.20	-25.15
5300MHz	Pass	8G	40G	PK	10.596G	5.00	-74.62	-73.96	-71.27	-66.27	-27.00	-39.27
5300MHz	Pass	8G	40G	PK	36.632G	5.00	-64.80	-67.70	-63.00	-58.00	-27.00	-31.00
5320MHz	Pass	8G	40G	AV	10.641G	5.00	-83.34	-82.28	-79.77	-74.77	-41.20	-33.57
5320MHz	Pass	8G	40G	AV	39.602G	5.00	-74.35	-74.13	-71.23	-66.23	-41.20	-25.03
5320MHz	Pass	8G	40G	PK	10.648G	5.00	-72.50	-74.59	-70.41	-65.41	-21.20	-44.21
5320MHz	Pass	8G	40G	PK	38.388G	5.00	-64.54	-66.72	-62.48	-57.48	-27.00	-30.48
5500MHz	Pass	8G	40G	AV	10.997G	5.00	-84.36	-84.91	-81.62	-76.62	-41.20	-35.42
5500MHz	Pass	8G	40G	AV	39.814G	5.00	-73.84	-74.14	-70.98	-65.98	-41.20	-24.78
5500MHz	Pass	8G	40G	PK	10.996G	5.00	-74.32	-75.16	-71.71	-66.71	-21.20	-45.51
5500MHz	Pass	8G	40G	PK	36.536G	5.00	-67.23	-65.63	-63.35	-58.35	-27.00	-31.35
5580MHz	Pass	8G	40G	AV	11.163G	5.00	-84.55	-84.34	-81.43	-76.43	-41.20	-35.23
5580MHz	Pass	8G	40G	AV	39.806G	5.00	-74.26	-74.42	-71.33	-66.33	-41.20	-25.13
5580MHz	Pass	8G	40G	PK	11.168G	5.00	-75.03	-73.67	-71.29	-66.29	-21.20	-45.09
5580MHz	Pass	8G	40G	PK	38.532G	5.00	-67.86	-64.82	-63.07	-58.07	-27.00	-31.07
5700MHz	Pass	8G	40G	AV	11.398G	5.00	-83.91	-84.66	-81.26	-76.26	-41.20	-35.06
5700MHz	Pass	8G	40G	AV	39.788G	5.00	-74.22	-74.44	-71.32	-66.32	-41.20	-25.12
5700MHz	Pass	8G	40G	PK	11.4G	5.00	-74.61	-76.22	-72.33	-67.33	-21.20	-46.13
5700MHz	Pass	8G	40G	PK	38.556G	5.00	-65.03	-68.60	-63.45	-58.45	-27.00	-31.45
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8G	40G	AV	39.807G	5.00	-74.18	-74.76	-71.45	-66.45	-41.20	-25.25
5260MHz	Pass	8G	40G	PK	10.528G	5.00	-75.58	-75.86	-72.71	-67.71	-27.00	-40.71
5260MHz	Pass	8G	40G	PK	38.436G	5.00	-66.82	-65.95	-63.35	-58.35	-27.00	-31.35
5300MHz	Pass	8G	40G	AV	10.603G	5.00	-84.28	-83.28	-80.74	-75.74	-41.20	-34.54
5300MHz	Pass	8G	40G	AV	39.796G	5.00	-74.75	-74.29	-71.50	-66.50	-41.20	-25.30
5300MHz	Pass	8G	40G	PK	10.592G	5.00	-75.35	-73.84	-71.52	-66.52	-27.00	-39.52
5300MHz	Pass	8G	40G	PK	38.076G	5.00	-67.22	-65.26	-63.12	-58.12	-27.00	-31.12
5320MHz	Pass	8G	40G	AV	10.646G	5.00	-83.51	-83.92	-80.70	-75.70	-41.20	-34.50
5320MHz	Pass	8G	40G	AV	39.853G	5.00	-75.23	-73.75	-71.42	-66.42	-41.20	-25.22
5320MHz	Pass	8G	40G	PK	10.632G	5.00	-72.36	-74.61	-70.33	-65.33	-21.20	-44.13
5320MHz	Pass	8G	40G	PK	36.288G	5.00	-65.31	-68.94	-63.75	-58.75	-27.00	-31.75
5500MHz	Pass	8G	40G	AV	11.003G	5.00	-85.07	-84.78	-81.91	-76.91	-41.20	-35.71
5500MHz	Pass	8G	40G	AV	39.591G	5.00	-74.18	-74.75	-71.45	-66.45	-41.20	-25.25
5500MHz	Pass	8G	40G	PK	11.008G	5.00	-73.29	-75.29	-71.17	-66.17	-21.20	-44.97
5500MHz	Pass	8G	40G	PK	38.592G	5.00	-66.45	-66.29	-63.36	-58.36	-27.00	-31.36
5580MHz	Pass	8G	40G	AV	11.159G	5.00	-84.64	-84.40	-81.51	-76.51	-41.20	-35.31
5580MHz	Pass	8G	40G	AV	39.798G	5.00	-74.23	-74.44	-71.32	-66.32	-41.20	-25.12
5580MHz	Pass	8G	40G	PK	11.164G	5.00	-75.00	-74.70	-71.84	-66.84	-21.20	-45.64
5580MHz	Pass	8G	40G	PK	38.572G	5.00	-66.07	-67.22	-63.60	-58.60	-27.00	-31.60
5700MHz	Pass	8G	40G	AV	11.395G	5.00	-84.41	-84.09	-81.24	-76.24	-41.20	-35.04
5700MHz	Pass	8G	40G	AV	39.594G	5.00	-74.16	-74.53	-71.33	-66.33	-41.20	-25.13
5700MHz	Pass	8G	40G	PK	11.408G	5.00	-75.24	-74.53	-71.86	-66.86	-21.20	-45.66
5700MHz	Pass	8G	40G	PK	38.528G	5.00	-66.41	-65.92	-63.15	-58.15	-27.00	-31.15
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	8G	40G	AV	10.607G	5.00	-83.35	-83.81	-80.56	-75.56	-41.20	-34.36
5290MHz	Pass	8G	40G	AV	39.577G	5.00	-74.31	-74.33	-71.31	-66.31	-41.20	-25.11
5290MHz	Pass	8G	40G	PK	10.568G	5.00	-72.98	-75.95	-71.21	-66.21	-27.00	-39.21
5290MHz	Pass	8G	40G	PK	38.516G	5.00	-65.58	-66.09	-62.82	-57.82	-27.00	-30.82

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)
5530MHz	Pass	8G	40G	AV	11.074G	5.00	-84.27	-84.94	-81.58	-76.58	-41.20	-35.38
5530MHz	Pass	8G	40G	AV	39.84G	5.00	-73.80	-74.60	-71.17	-66.17	-41.20	-24.97
5530MHz	Pass	8G	40G	PK	11.08G	5.00	-74.87	-73.50	-71.12	-66.12	-21.20	-44.92
5530MHz	Pass	8G	40G	PK	38.572G	5.00	-65.22	-67.30	-63.13	-58.13	-27.00	-31.13
5610MHz	Pass	8G	40G	AV	11.226G	5.00	-83.20	-83.30	-80.24	-75.24	-41.20	-34.04
5610MHz	Pass	8G	40G	AV	39.794G	5.00	-74.34	-74.34	-71.33	-66.33	-41.20	-25.13
5610MHz	Pass	8G	40G	PK	11.208G	5.00	-73.82	-72.28	-69.97	-64.97	-21.20	-43.77
5610MHz	Pass	8G	40G	PK	38.424G	5.00	-64.53	-67.91	-62.89	-57.89	-27.00	-30.89

DG = Directional Gain;

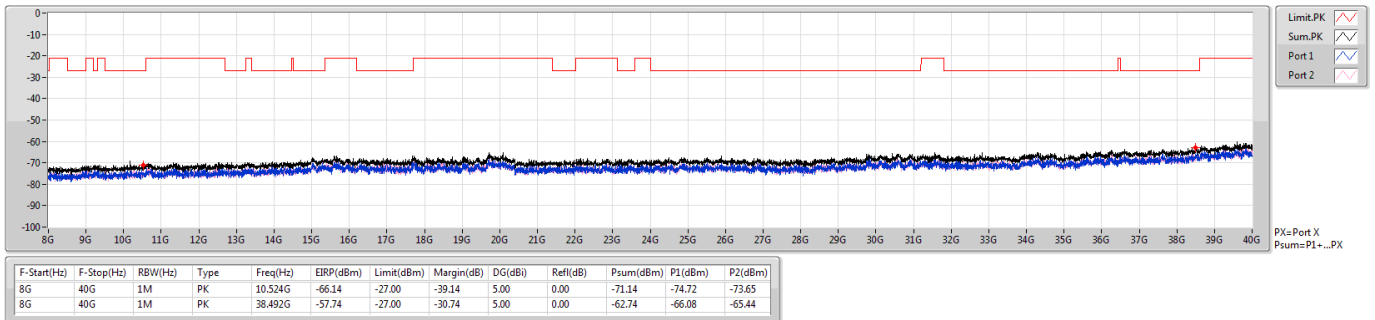
PX=Port X; Psum=P1+.P2+...PX

802.11a_Nss1,(6Mbps)_2TX

5260MHz

CSE-PK

07/08/2019

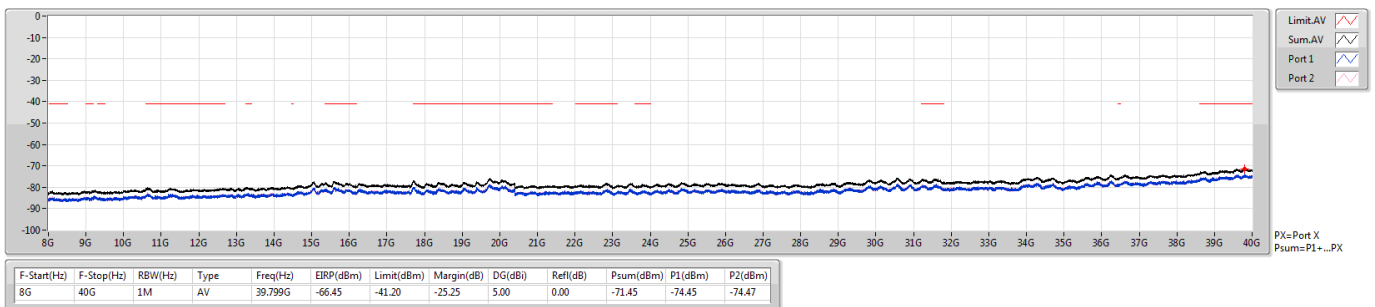


802.11a_Nss1,(6Mbps)_2TX

5260MHz

CSE-AV

07/08/2019

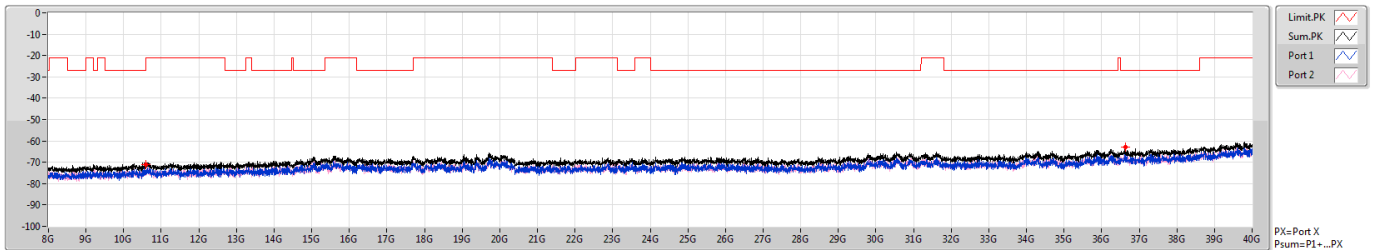


802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-PK

07/08/2019



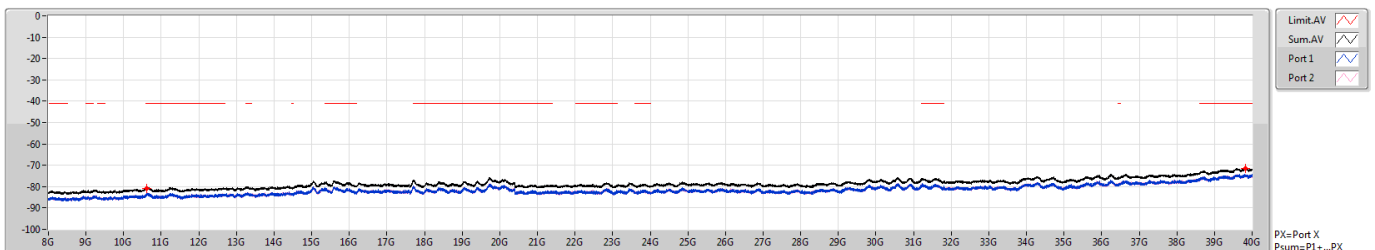
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.596G	-66.27	-27.00	-39.27	5.00	0.00	-71.27	-74.62	-73.96
8G	40G	1M	PK	36.632G	-58.00	-27.00	-31.00	5.00	0.00	-63.00	-64.80	-67.70

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-AV

07/08/2019



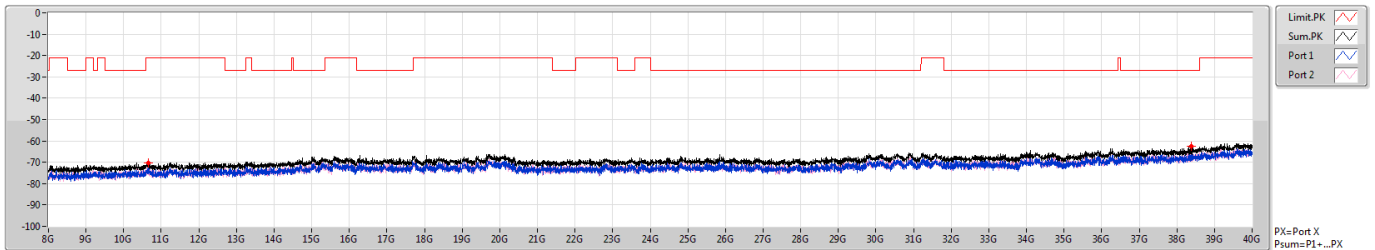
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	10.607G	-75.89	-41.20	-34.69	5.00	0.00	-80.89	-83.99	-83.81
8G	40G	1M	AV	39.83G	-66.35	-41.20	-25.15	5.00	0.00	-71.35	-74.51	-74.21

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-PK

07/08/2019



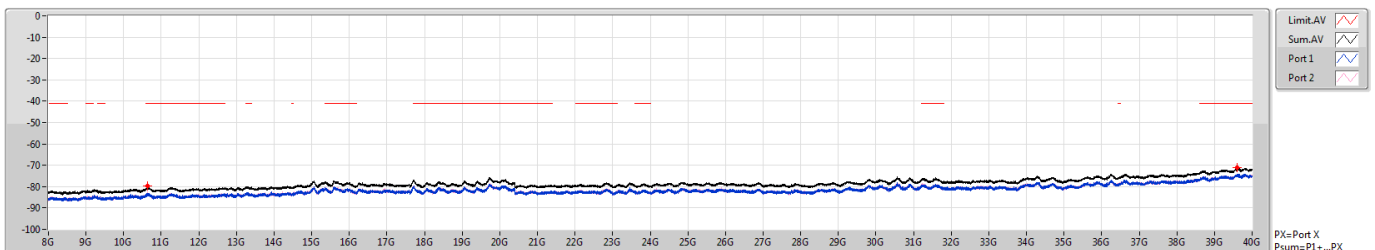
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.648G	-65.41	-21.20	-44.21	5.00	0.00	-70.41	-72.50	-74.59
8G	40G	1M	PK	38.388G	-57.48	-27.00	-30.48	5.00	0.00	-62.48	-64.54	-66.72

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-AV

07/08/2019



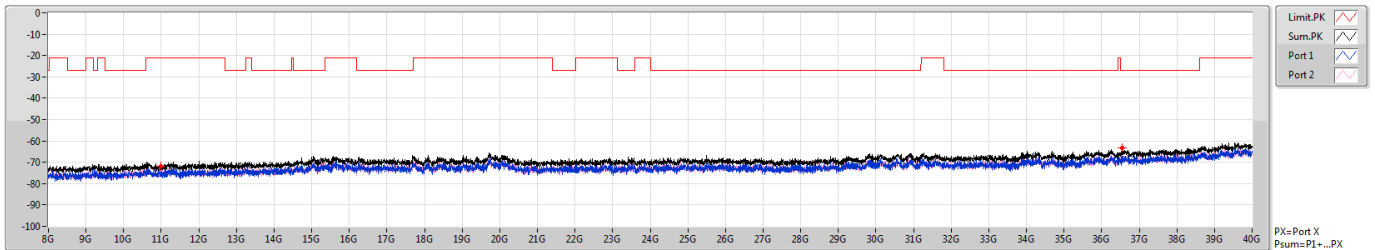
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	10.641G	-74.77	-41.20	-33.57	5.00	0.00	-79.77	-83.34	-82.28
8G	40G	1M	AV	39.602G	-66.23	-41.20	-25.03	5.00	0.00	-71.23	-74.35	-74.13

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-PK

07/08/2019



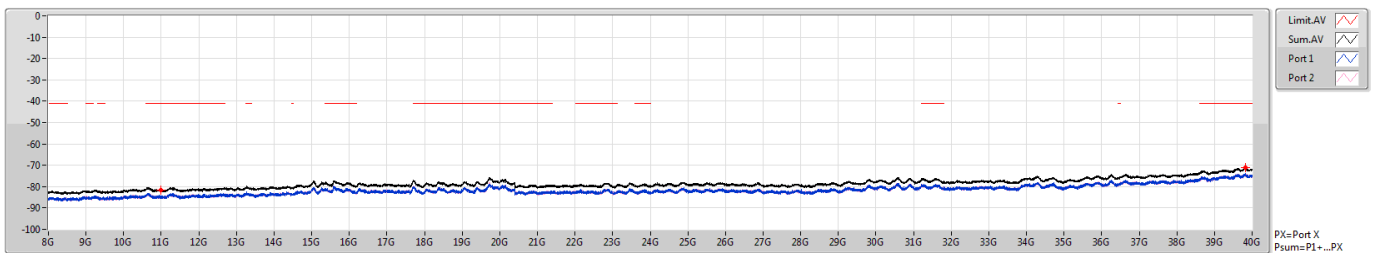
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.996G	-66.71	-21.20	-45.51	5.00	0.00	-71.71	-74.32	-75.16
8G	40G	1M	PK	36.536G	-58.35	-27.00	-31.35	5.00	0.00	-63.35	-67.23	-65.63

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-AV

07/08/2019



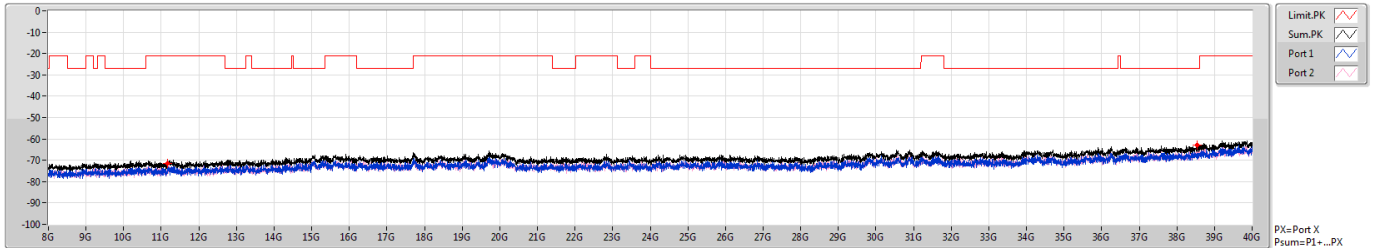
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	10.997G	-76.62	-41.20	-35.42	5.00	0.00	-81.62	-84.36	-84.91
8G	40G	1M	AV	39.814G	-65.98	-41.20	-24.78	5.00	0.00	-70.98	-73.84	-74.14

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-PK

07/08/2019



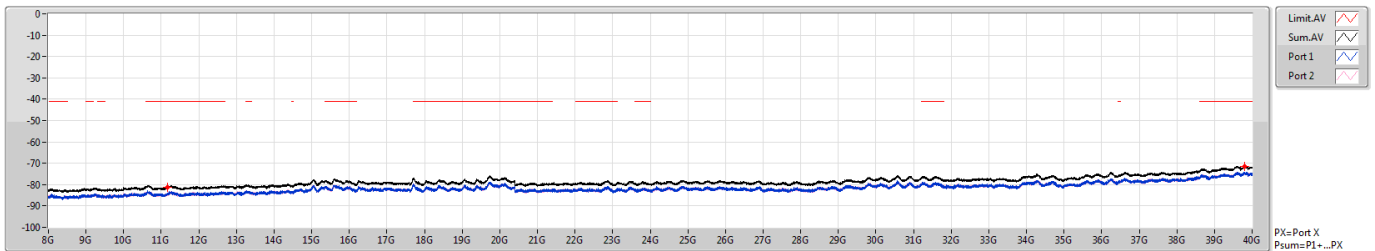
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.168G	-66.29	-21.20	-45.09	5.00	0.00	-71.29	-75.03	-73.67
8G	40G	1M	PK	38.532G	-58.07	-27.00	-31.07	5.00	0.00	-63.07	-67.86	-64.82

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-AV

07/08/2019



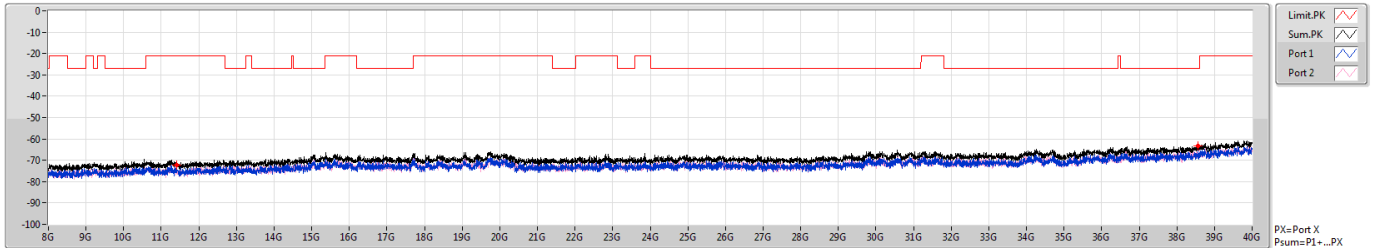
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.163G	-76.43	-41.20	-35.23	5.00	0.00	-81.43	-84.55	-84.34
8G	40G	1M	AV	39.806G	-66.33	-41.20	-25.13	5.00	0.00	-71.33	-74.26	-74.42

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-PK

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.4G	-67.33	-21.20	-46.13	5.00	0.00	-72.33	-74.61	-76.22
8G	40G	1M	PK	38.596G	-58.45	-27.00	-31.45	5.00	0.00	-63.45	-65.03	-68.60

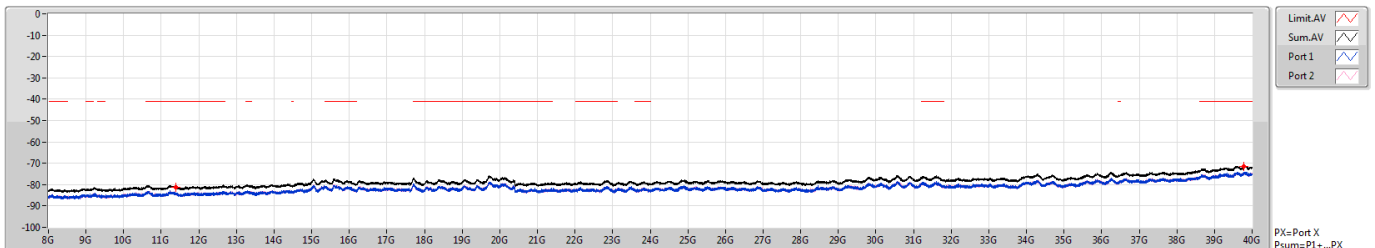
PX=Port X
Psum=P1+...PX

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-AV

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.398G	-76.26	-41.20	-35.06	5.00	0.00	-81.26	-83.91	-84.66
8G	40G	1M	AV	39.788G	-66.32	-41.20	-25.12	5.00	0.00	-71.32	-74.22	-74.44

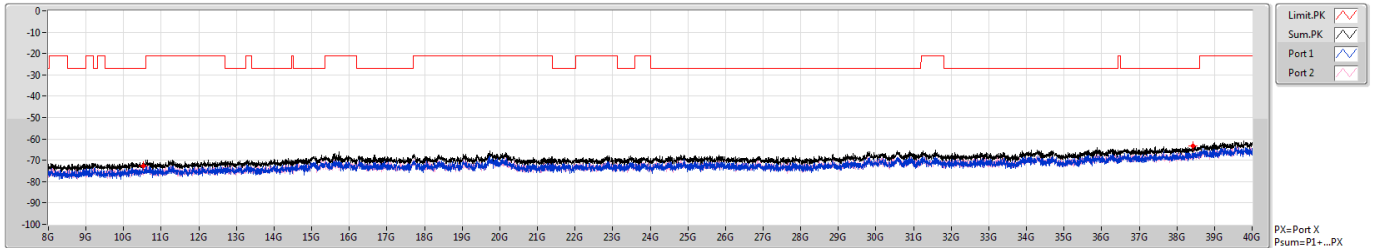
PX=Port X
Psum=P1+...PX

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-PK

07/08/2019



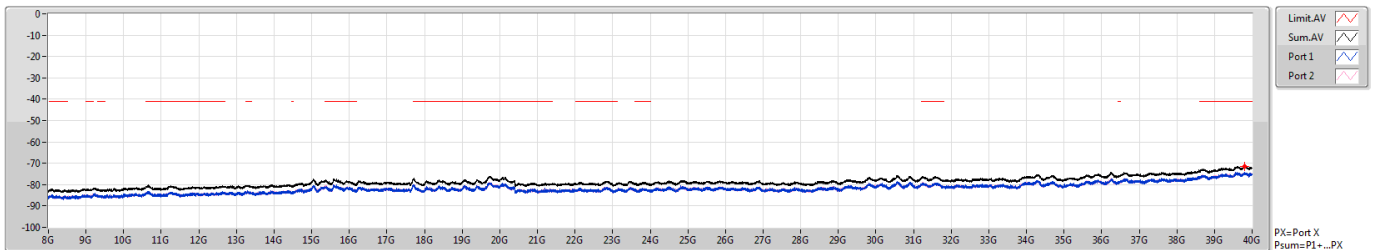
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.528G	-67.71	-27.00	-40.71	5.00	0.00	-72.71	-75.58	-75.86
8G	40G	1M	PK	38.436G	-58.35	-27.00	-31.35	5.00	0.00	-63.35	-66.82	-65.95

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-AV

07/08/2019



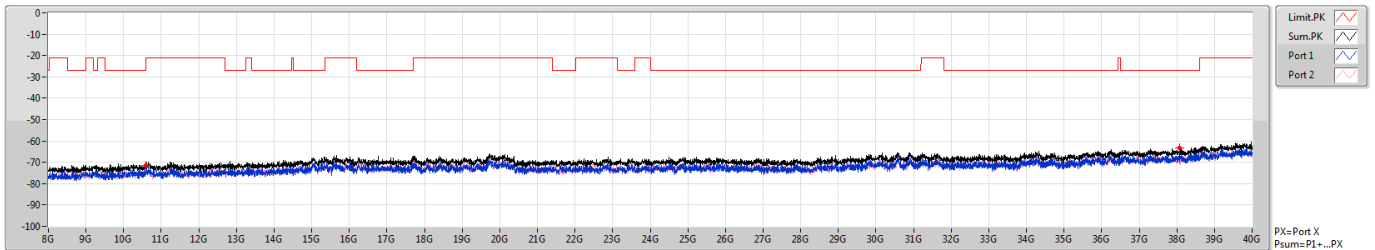
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	39.807G	-66.45	-41.20	-25.25	5.00	0.00	-71.45	-74.18	-74.76

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-PK

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.592G	-66.52	-27.00	-39.52	5.00	0.00	-71.52	-75.35	-73.84
8G	40G	1M	PK	38.076G	-58.12	-27.00	-31.12	5.00	0.00	-63.12	-67.22	-65.26

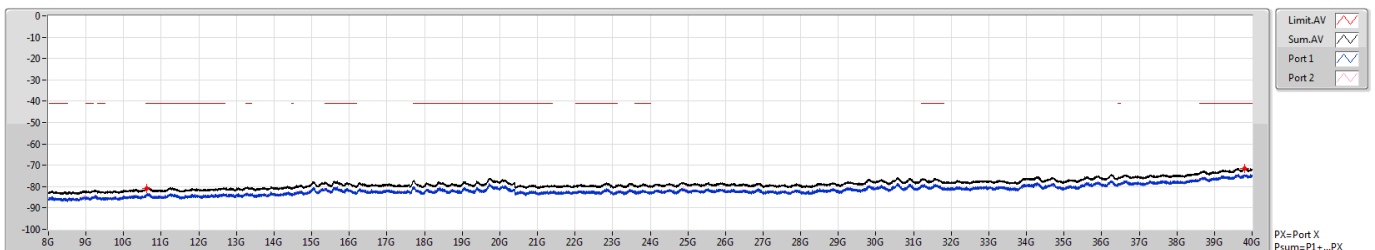
PX=Port X
Psum=P1+...PX

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-AV

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	10.603G	-75.74	-41.20	-34.54	5.00	0.00	-80.74	-84.28	-83.28
8G	40G	1M	AV	39.796G	-66.50	-41.20	-25.30	5.00	0.00	-71.50	-74.75	-74.29

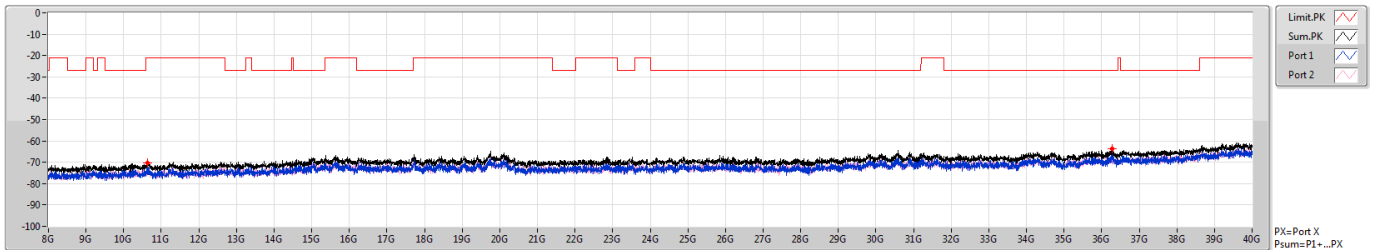
PX=Port X
Psum=P1+...PX

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-PK

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.632G	-65.33	-21.20	-44.13	5.00	0.00	-70.33	-72.36	-74.61
8G	40G	1M	PK	36.288G	-58.75	-27.00	-31.75	5.00	0.00	-63.75	-65.31	-68.94

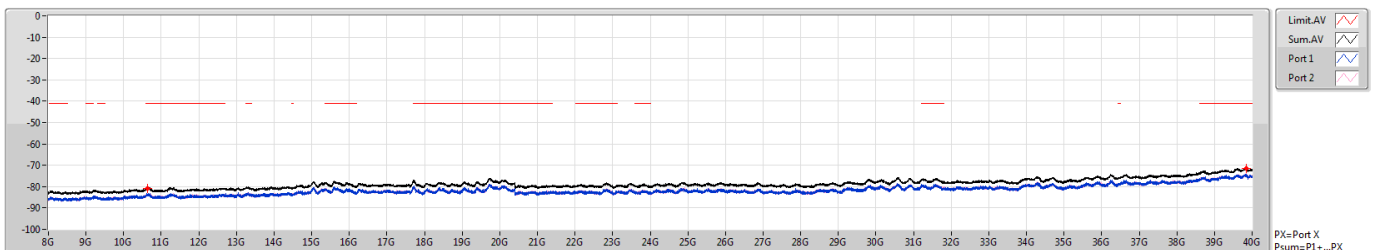
PX=Port X
Psum=P1+...PX

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-AV

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	10.646G	-75.70	-41.20	-34.50	5.00	0.00	-80.70	-83.51	-83.92
8G	40G	1M	AV	39.853G	-66.42	-41.20	-25.22	5.00	0.00	-71.42	-75.23	-73.75

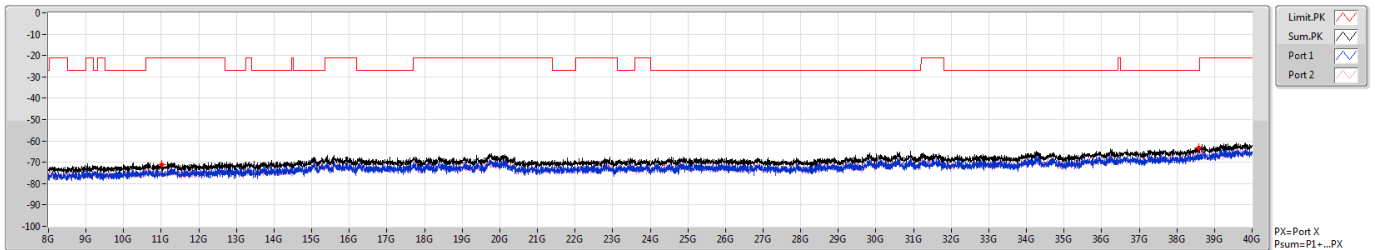
PX=Port X
Psum=P1+...PX

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz

CSE-PK

07/08/2019

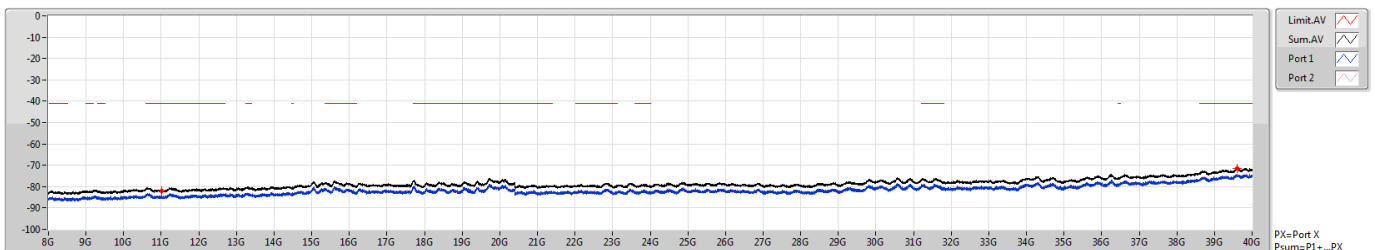


802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz

CSE-AV

07/08/2019

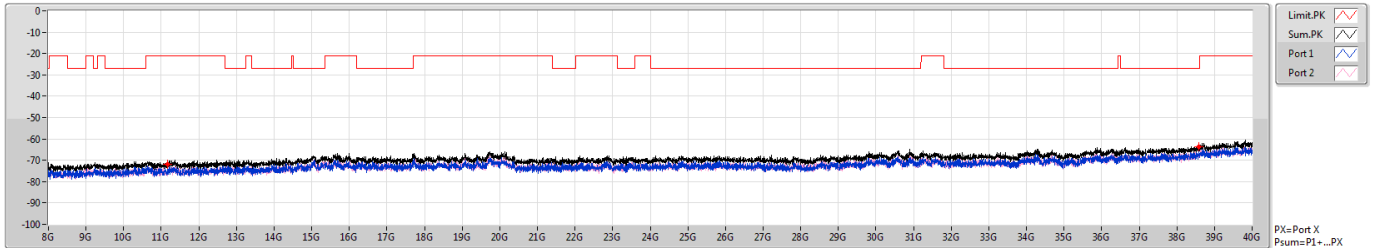


802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

CSE-PK

07/08/2019



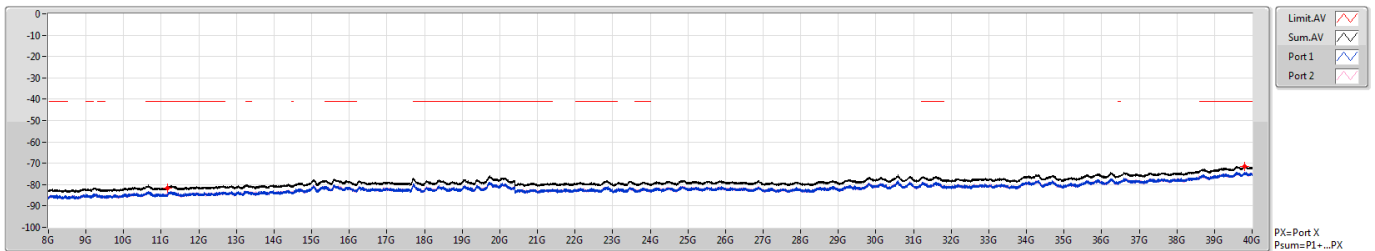
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.164G	-66.84	-21.20	-45.64	5.00	0.00	-71.84	-75.00	-74.70
8G	40G	1M	PK	38.572G	-58.60	-27.00	-31.60	5.00	0.00	-63.60	-66.07	-67.22

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

CSE-AV

07/08/2019



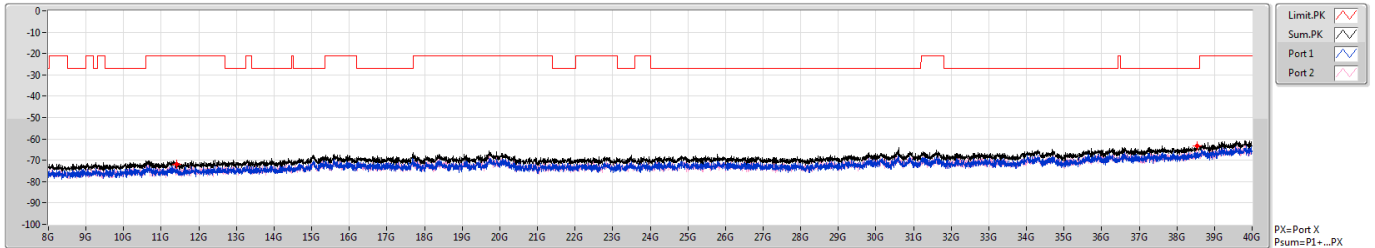
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.159G	-76.51	-41.20	-35.31	5.00	0.00	-81.51	-84.64	-84.40
8G	40G	1M	AV	39.798G	-66.32	-41.20	-25.12	5.00	0.00	-71.32	-74.23	-74.44

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

CSE-PK

07/08/2019



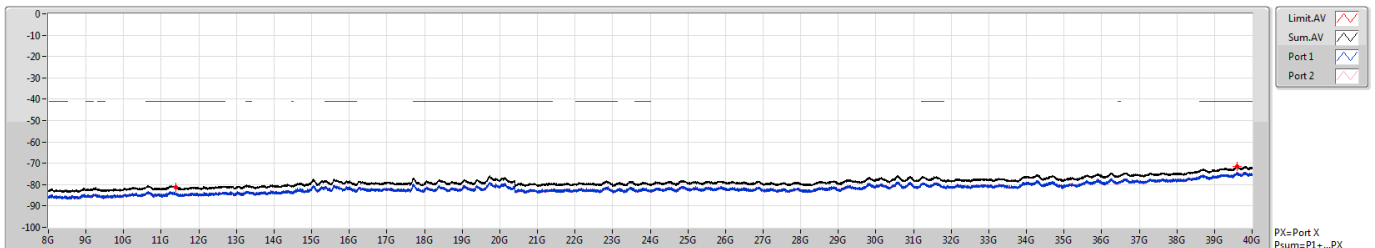
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.408G	-66.86	-21.20	-45.66	5.00	0.00	-71.86	-75.24	-74.53
8G	40G	1M	PK	38.528G	-58.15	-27.00	-31.15	5.00	0.00	-63.15	-66.41	-65.92

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

CSE-AV

07/08/2019



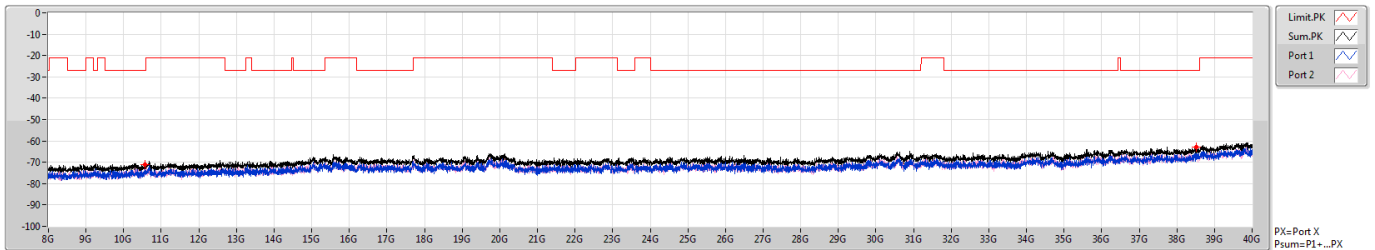
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.395G	-76.24	-41.20	-35.04	5.00	0.00	-81.24	-84.41	-84.09
8G	40G	1M	AV	39.594G	-66.33	-41.20	-25.13	5.00	0.00	-71.33	-74.16	-74.53

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

CSE-PK

07/08/2019



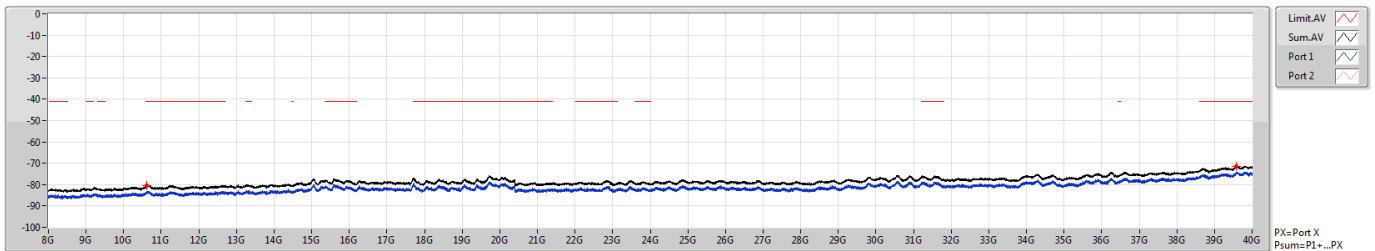
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.568G	-66.21	-27.00	-39.21	5.00	0.00	-71.21	-72.98	-75.95
8G	40G	1M	PK	38.516G	-57.82	-27.00	-30.82	5.00	0.00	-62.82	-65.58	-66.09

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

CSE-AV

07/08/2019



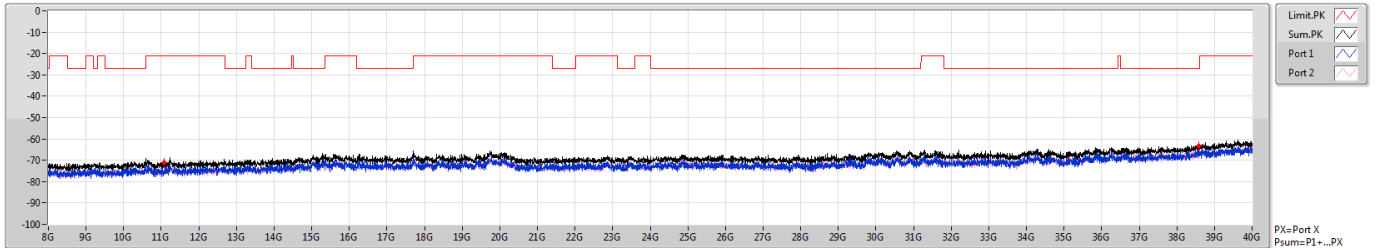
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	10.607G	-75.56	-41.20	-34.36	5.00	0.00	-80.56	-83.35	-83.81
8G	40G	1M	AV	38.577G	-66.31	-41.20	-25.11	5.00	0.00	-71.31	-74.31	-74.33

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz

CSE-PK

07/08/2019



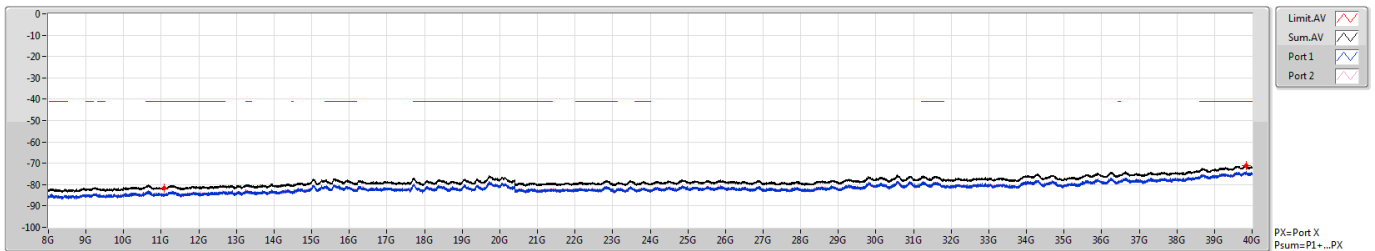
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.08G	-66.12	-21.20	-44.92	5.00	0.00	-71.12	-74.87	-73.50
8G	40G	1M	PK	38.572G	-58.13	-27.00	-31.13	5.00	0.00	-63.13	-65.22	-67.30

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz

CSE-AV

07/08/2019



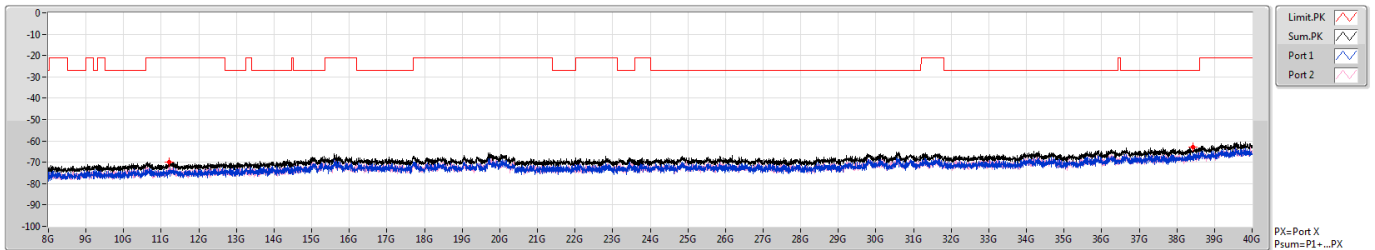
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.074G	-76.58	-41.20	-35.38	5.00	0.00	-81.58	-84.27	-84.94
8G	40G	1M	AV	39.84G	-66.17	-41.20	-24.97	5.00	0.00	-71.17	-73.80	-74.60

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

CSE-PK

07/08/2019



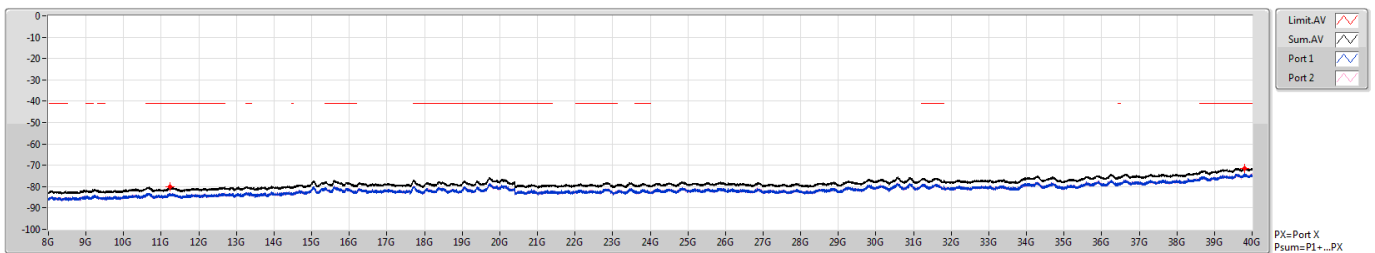
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.208G	-64.97	-21.20	-43.77	5.00	0.00	-69.97	-73.82	-72.28
8G	40G	1M	PK	38.424G	-57.89	-27.00	-30.89	5.00	0.00	-62.89	-64.53	-67.91

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

CSE-AV

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.226G	-75.24	-41.20	-34.04	5.00	0.00	-80.24	-83.20	-83.30
8G	40G	1M	AV	39.794G	-66.33	-41.20	-25.13	5.00	0.00	-71.33	-74.34	-74.34

For EUT 1 + Ant. 1: Bandedge

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)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	4G	5.35G	AV	5.1367G	13.00	-55.83	-59.32	-54.22	-41.22	-41.20	-0.02
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	5.35G	5.46G	AV	5.35022G	13.00	-58.73	-56.15	-54.24	-41.24	-41.20	-0.04
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	5.35G	5.46G	AV	5.35011G	13.00	-59.57	-58.45	-55.96	-42.96	-41.20	-1.76
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	4G	6G	PK	5.7265G	13.00	-42.02	-44.47	-40.06	-27.06	-27.00	-0.06
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	5.35G	5.46G	AV	5.42403G	13.00	-55.71	-59.69	-54.25	-41.25	-41.20	-0.05
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	5.35G	5.46G	AV	5.42392G	13.00	-56.30	-59.05	-54.45	-41.45	-41.20	-0.25

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	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	4G	5.35G	AV	5.1367G	13.00	-55.83	-59.32	-54.22	-41.22	-41.20	-0.02
5260MHz	Pass	5.35G	5.46G	AV	5.35055G	13.00	-58.50	-57.47	-54.94	-41.94	-41.20	-0.74
5260MHz	Pass	5.46G	6G	AV	5.46G	13.00	-65.90	-65.83	-62.85	-49.85	-41.20	-8.65
5260MHz	Pass	4G	6G	PK	5.13325G	13.00	-46.66	-48.69	-44.55	-31.55	-21.20	-10.35
5260MHz	Pass	4G	6G	PK	5.6255G	13.00	-51.86	-52.56	-49.19	-36.19	-27.00	-9.19
5300MHz	Pass	4G	5.35G	AV	5.1367G	13.00	-58.27	-59.94	-56.01	-43.01	-41.20	-1.81
5300MHz	Pass	5.35G	5.46G	AV	5.3511G	13.00	-59.28	-56.06	-54.37	-41.37	-41.20	-0.17
5300MHz	Pass	5.46G	6G	AV	5.46G	13.00	-65.83	-66.05	-62.93	-49.93	-41.20	-8.73
5300MHz	Pass	4G	6G	PK	5.1485G	13.00	-50.46	-47.59	-45.78	-32.78	-21.20	-11.58
5300MHz	Pass	4G	6G	PK	5.35075G	13.00	-48.56	-43.75	-42.51	-29.51	-21.20	-8.31
5320MHz	Pass	4G	5.35G	AV	5.1367G	13.00	-59.18	-62.43	-57.50	-44.50	-41.20	-3.30
5320MHz	Pass	5.35G	5.46G	AV	5.35011G	13.00	-57.52	-57.08	-54.28	-41.28	-41.20	-0.08
5320MHz	Pass	5.46G	6G	AV	5.46G	13.00	-66.45	-66.32	-63.37	-50.37	-41.20	-9.17
5320MHz	Pass	4G	6G	PK	5.13625G	13.00	-50.10	-53.30	-48.40	-35.40	-21.20	-14.20
5320MHz	Pass	4G	6G	PK	5.35025G	13.00	-45.68	-47.66	-43.55	-30.55	-21.20	-9.35
5500MHz	Pass	4G	5.35G	AV	5.35G	13.00	-60.95	-60.47	-57.69	-44.69	-41.20	-3.49
5500MHz	Pass	5.35G	5.46G	AV	5.42392G	13.00	-56.27	-60.01	-54.74	-41.74	-41.20	-0.54
5500MHz	Pass	5.46G	6G	AV	5.46G	13.00	-59.15	-59.57	-56.34	-43.34	-41.20	-2.14
5500MHz	Pass	5.35G	5.46G	AV	5.46G	13.00	-59.33	-59.32	-56.31	-43.31	-41.20	-2.11
5500MHz	Pass	4G	6G	PK	5.17975G	13.00	-47.72	-47.67	-44.68	-31.68	-27.00	-4.68
5500MHz	Pass	4G	6G	PK	5.46975G	13.00	-46.22	-45.56	-42.87	-29.87	-27.00	-2.87
5500MHz	Pass	4G	6G	PK	5.73525G	13.00	-50.62	-47.96	-46.08	-33.08	-27.00	-6.08
5580MHz	Pass	4G	5.35G	AV	5.35G	13.00	-61.10	-60.69	-57.88	-44.88	-41.20	-3.68
5580MHz	Pass	5.35G	5.46G	AV	5.42392G	13.00	-56.60	-59.90	-54.93	-41.93	-41.20	-0.73
5580MHz	Pass	5.46G	6G	AV	5.46G	13.00	-60.30	-59.99	-57.13	-44.13	-41.20	-2.93
5580MHz	Pass	5.35G	5.46G	AV	5.46G	13.00	-60.25	-59.90	-57.06	-44.06	-41.20	-2.86
5580MHz	Pass	4G	6G	PK	5.18G	13.00	-49.50	-47.33	-45.27	-32.27	-27.00	-5.27
5580MHz	Pass	4G	6G	PK	5.4685G	13.00	-48.01	-47.61	-44.80	-31.80	-27.00	-4.80
5580MHz	Pass	4G	6G	PK	5.72525G	13.00	-47.18	-48.59	-44.82	-31.82	-27.00	-4.82
5700MHz	Pass	4G	5.35G	AV	5.04085G	13.00	-61.22	-64.67	-59.60	-46.60	-41.20	-5.40
5700MHz	Pass	5.35G	5.46G	AV	5.42403G	13.00	-57.55	-62.01	-56.22	-43.22	-41.20	-2.02
5700MHz	Pass	5.46G	6G	AV	5.46G	13.00	-62.71	-61.84	-59.24	-46.24	-41.20	-5.04
5700MHz	Pass	5.35G	5.46G	AV	5.46G	13.00	-62.71	-61.84	-59.24	-46.24	-41.20	-5.04
5700MHz	Pass	4G	6G	PK	5.18G	13.00	-50.23	-49.59	-46.89	-33.89	-27.00	-6.89
5700MHz	Pass	4G	6G	PK	5.4675G	13.00	-50.15	-50.49	-47.31	-34.31	-27.00	-7.31
5700MHz	Pass	4G	6G	PK	5.7265G	13.00	-42.02	-44.47	-40.06	-27.06	-27.00	-0.06
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	4G	5.35G	AV	5.1367G	13.00	-56.77	-58.05	-54.35	-41.35	-41.20	-0.15
5260MHz	Pass	5.35G	5.46G	AV	5.35022G	13.00	-58.73	-56.15	-54.24	-41.24	-41.20	-0.04
5260MHz	Pass	5.46G	6G	AV	5.46G	13.00	-62.72	-62.95	-59.82	-46.82	-41.20	-5.62
5260MHz	Pass	4G	6G	PK	5.1415G	13.00	-46.86	-46.33	-43.58	-30.58	-21.20	-9.38
5260MHz	Pass	4G	6G	PK	5.6265G	13.00	-50.41	-48.85	-46.55	-33.55	-27.00	-6.55
5300MHz	Pass	4G	5.35G	AV	5.1367G	13.00	-57.39	-59.75	-55.40	-42.40	-41.20	-1.20
5300MHz	Pass	5.35G	5.46G	AV	5.35022G	13.00	-58.09	-58.07	-55.07	-42.07	-41.20	-0.87
5300MHz	Pass	5.46G	6G	AV	5.46G	13.00	-63.17	-62.62	-59.88	-46.88	-41.20	-5.68
5300MHz	Pass	4G	6G	PK	5.147G	13.00	-49.03	-46.27	-44.42	-31.42	-21.20	-10.22
5300MHz	Pass	4G	6G	PK	5.8765G	13.00	-48.63	-49.80	-46.17	-33.17	-27.00	-6.17
5320MHz	Pass	4G	5.35G	AV	5.1367G	13.00	-57.96	-61.28	-56.30	-43.30	-41.20	-2.10
5320MHz	Pass	5.35G	5.46G	AV	5.35055G	13.00	-56.81	-58.33	-54.49	-41.49	-41.20	-0.29
5320MHz	Pass	5.46G	6G	AV	5.46G	13.00	-63.24	-63.13	-60.17	-47.17	-41.20	-5.97
5320MHz	Pass	4G	6G	PK	5.149G	13.00	-48.39	-49.38	-45.85	-32.85	-21.20	-11.65
5320MHz	Pass	4G	6G	PK	5.61525G	13.00	-50.81	-48.46	-46.47	-33.47	-27.00	-6.47

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)
5500MHz	Pass	4G	5.35G	AV	5.35G	13.00	-60.74	-60.59	-57.65	-44.65	-41.20	-3.45
5500MHz	Pass	5.35G	5.46G	AV	5.42403G	13.00	-55.71	-59.69	-54.25	-41.25	-41.20	-0.05
5500MHz	Pass	5.46G	6G	AV	5.46G	13.00	-58.98	-59.49	-56.22	-43.22	-41.20	-2.02
5500MHz	Pass	5.35G	5.46G	AV	5.46G	13.00	-58.91	-59.35	-56.11	-43.11	-41.20	-1.91
5500MHz	Pass	4G	6G	PK	5.18G	13.00	-47.31	-47.06	-44.17	-31.17	-27.00	-4.17
5500MHz	Pass	4G	6G	PK	5.46925G	13.00	-46.79	-46.50	-43.63	-30.63	-27.00	-3.63
5500MHz	Pass	4G	6G	PK	5.727G	13.00	-48.14	-50.82	-46.27	-33.27	-27.00	-6.27
5580MHz	Pass	4G	5.35G	AV	5.04085G	13.00	-59.54	-61.84	-57.53	-44.53	-41.20	-3.33
5580MHz	Pass	5.35G	5.46G	AV	5.42392G	13.00	-56.20	-59.64	-54.58	-41.58	-41.20	-0.38
5580MHz	Pass	5.46G	6G	AV	5.46G	13.00	-60.29	-59.54	-56.89	-43.89	-41.20	-2.69
5580MHz	Pass	5.35G	5.46G	AV	5.46G	13.00	-59.63	-59.53	-56.57	-43.57	-41.20	-2.37
5580MHz	Pass	4G	6G	PK	5.18G	13.00	-48.95	-47.17	-44.96	-31.96	-27.00	-4.96
5580MHz	Pass	4G	6G	PK	5.464G	13.00	-47.20	-47.12	-44.15	-31.15	-27.00	-4.15
5580MHz	Pass	4G	6G	PK	5.75775G	13.00	-48.40	-47.38	-44.85	-31.85	-27.00	-4.85
5700MHz	Pass	4G	5.35G	AV	5.0395G	13.00	-59.79	-61.58	-57.58	-44.58	-41.20	-3.38
5700MHz	Pass	5.35G	5.46G	AV	5.42381G	13.00	-57.46	-60.47	-55.70	-42.70	-41.20	-1.50
5700MHz	Pass	5.46G	6G	AV	5.46G	13.00	-61.16	-60.47	-57.79	-44.79	-41.20	-3.59
5700MHz	Pass	5.35G	5.46G	AV	5.46G	13.00	-61.16	-60.47	-57.79	-44.79	-41.20	-3.59
5700MHz	Pass	4G	6G	PK	5.17975G	13.00	-48.40	-47.26	-44.78	-31.78	-27.00	-4.78
5700MHz	Pass	4G	6G	PK	5.468G	13.00	-48.15	-49.20	-45.63	-32.63	-27.00	-5.63
5700MHz	Pass	4G	6G	PK	5.72525G	13.00	-43.73	-43.15	-40.42	-27.42	-27.00	-0.42
802.11ac VHT80_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	4G	5.35G	AV	5.1367G	13.00	-60.59	-61.51	-58.02	-45.02	-41.20	-3.82
5290MHz	Pass	5.35G	5.46G	AV	5.35011G	13.00	-59.57	-58.45	-55.96	-42.96	-41.20	-1.76
5290MHz	Pass	5.46G	6G	AV	5.46G	13.00	-63.10	-63.11	-60.09	-47.09	-41.20	-5.89
5290MHz	Pass	4G	6G	PK	5.107G	13.00	-48.24	-50.66	-46.27	-33.27	-21.20	-12.07
5290MHz	Pass	4G	6G	PK	5.68925G	13.00	-50.56	-48.96	-46.68	-33.68	-27.00	-6.68
5530MHz	Pass	4G	5.35G	AV	5.04085G	13.00	-61.57	-61.85	-58.70	-45.70	-41.20	-4.50
5530MHz	Pass	5.35G	5.46G	AV	5.45857G	13.00	-59.81	-59.30	-56.54	-43.54	-41.20	-2.34
5530MHz	Pass	5.46G	6G	AV	5.46G	13.00	-59.92	-59.42	-56.65	-43.65	-41.20	-2.45
5530MHz	Pass	5.35G	5.46G	AV	5.46G	13.00	-59.92	-59.42	-56.65	-43.65	-41.20	-2.45
5530MHz	Pass	4G	6G	PK	5.2235G	13.00	-48.37	-50.01	-46.10	-33.10	-27.00	-6.10
5530MHz	Pass	4G	6G	PK	5.46975G	13.00	-49.15	-46.67	-44.73	-31.73	-27.00	-4.73
5530MHz	Pass	4G	6G	PK	5.98475G	13.00	-48.69	-50.30	-46.41	-33.41	-27.00	-6.41
5610MHz	Pass	4G	5.35G	AV	5.35G	13.00	-62.03	-60.99	-58.47	-45.47	-41.20	-4.27
5610MHz	Pass	5.35G	5.46G	AV	5.42392G	13.00	-56.30	-59.05	-54.45	-41.45	-41.20	-0.25
5610MHz	Pass	5.46G	6G	AV	5.46G	13.00	-58.22	-57.54	-54.86	-41.86	-41.20	-0.66
5610MHz	Pass	5.35G	5.46G	AV	5.46G	13.00	-57.79	-57.26	-54.51	-41.51	-41.20	-0.31
5610MHz	Pass	4G	6G	PK	5.18G	13.00	-49.45	-47.40	-45.29	-32.29	-27.00	-5.29
5610MHz	Pass	4G	6G	PK	5.46925G	13.00	-46.44	-43.16	-41.49	-28.49	-27.00	-1.49
5610MHz	Pass	4G	6G	PK	5.7255G	13.00	-43.12	-45.86	-41.27	-28.27	-27.00	-1.27

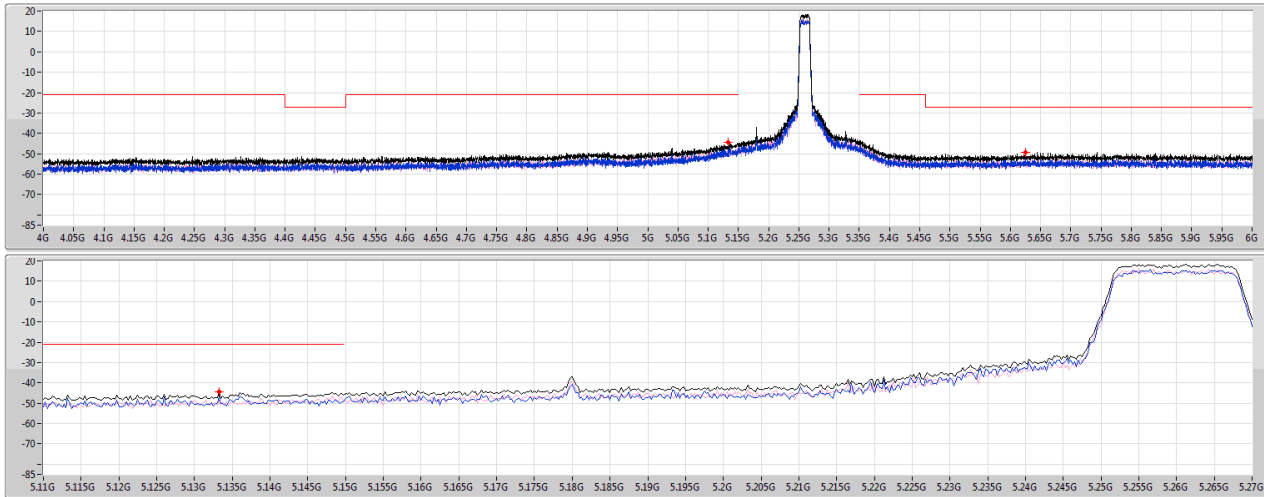
DG = Directional Gain;
PX=Port X; Psum=P1+...PX

802.11a_Nss1,(6Mbps)_2TX

5260MHz

CSE-PK

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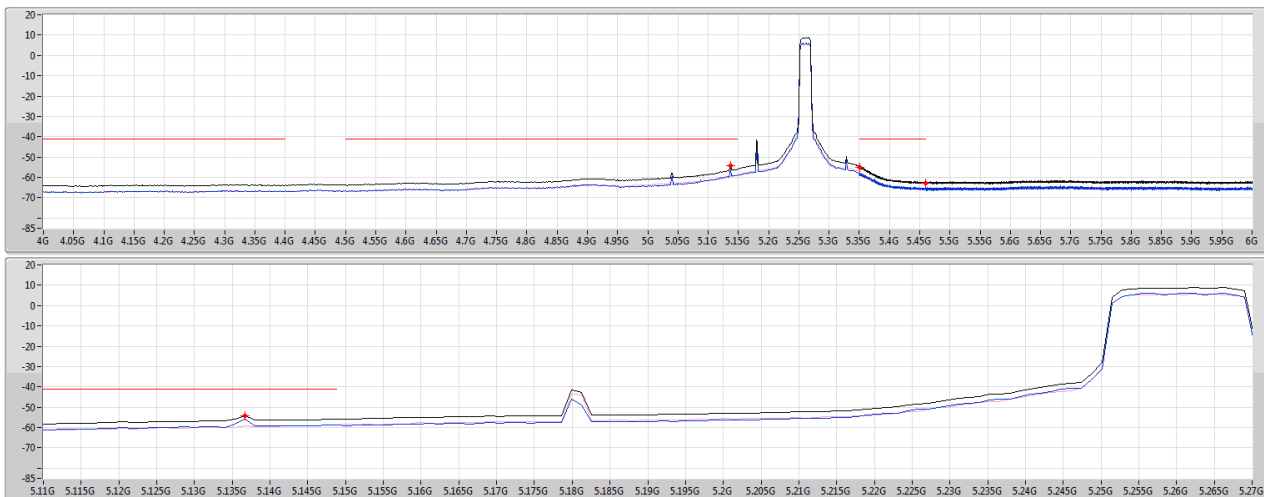
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.13325G	-31.55	-21.20	-10.35	13.00	0.00	-44.55	-46.66	-48.69
4G	6G	1M	PK	5.6255G	-36.19	-27.00	-9.19	13.00	0.00	-49.19	-51.86	-52.56

802.11a_Nss1,(6Mbps)_2TX

5260MHz

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05/08/2019



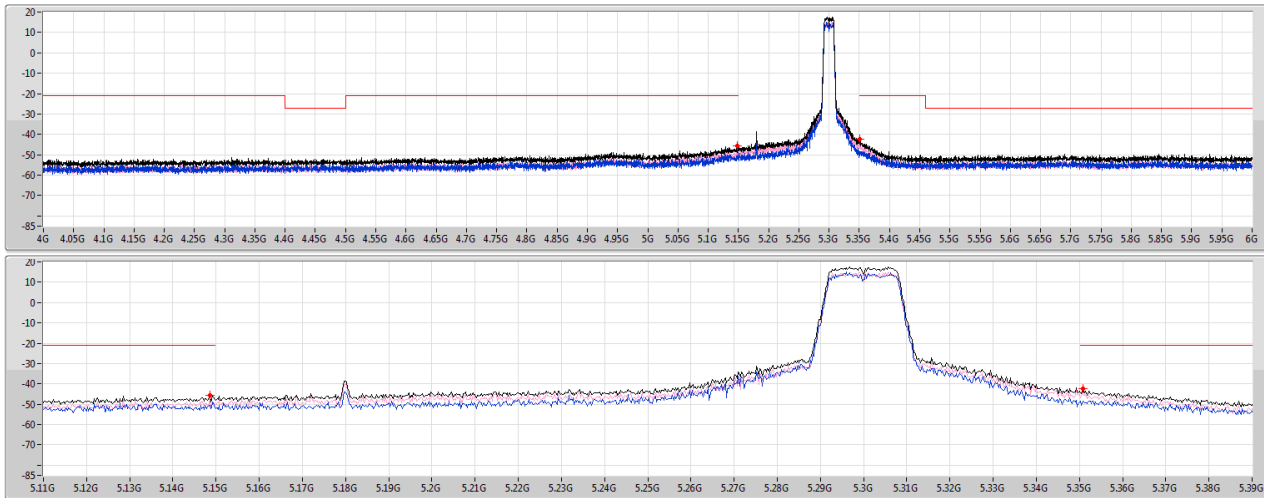
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4G	5.35G	1M	AV	5.1367G	-41.22	-41.20	-0.02	13.00	0.00	-54.22	-55.83	-59.32
5.35G	5.46G	1M	AV	5.39055G	-41.94	-41.20	-0.74	13.00	0.00	-54.94	-58.50	-57.47
5.46G	6G	1M	AV	5.46G	-49.85	-41.20	-8.65	13.00	0.00	-62.85	-65.90	-65.83

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-PK

05/08/2019



Limit.PK
Sum.PK
Port 1
Port 2

PX=Port X
Psum=P1+...PX

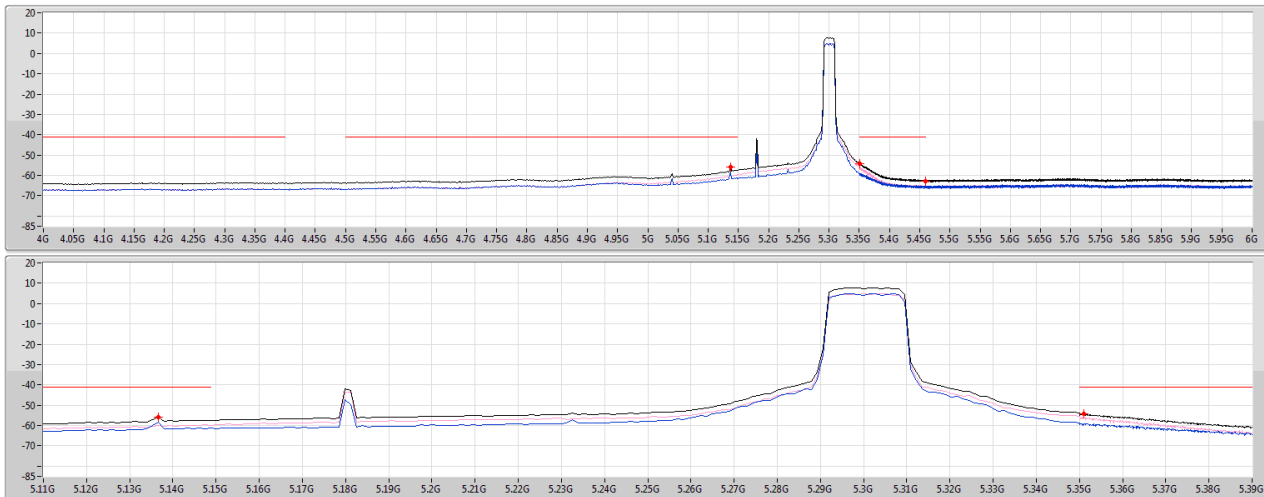
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4G	6G	1M	PK	5.1485G	-32.78	-21.20	-11.58	13.00	0.00	-45.78	-50.46	-47.59
4G	6G	1M	PK	5.35075G	-29.51	-21.20	-8.31	13.00	0.00	-42.51	-48.56	-43.75

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-AV

05/08/2019



Limit.AV
Sum.AV
Port 1
Port 2

PX=Port X
Psum=P1+...PX

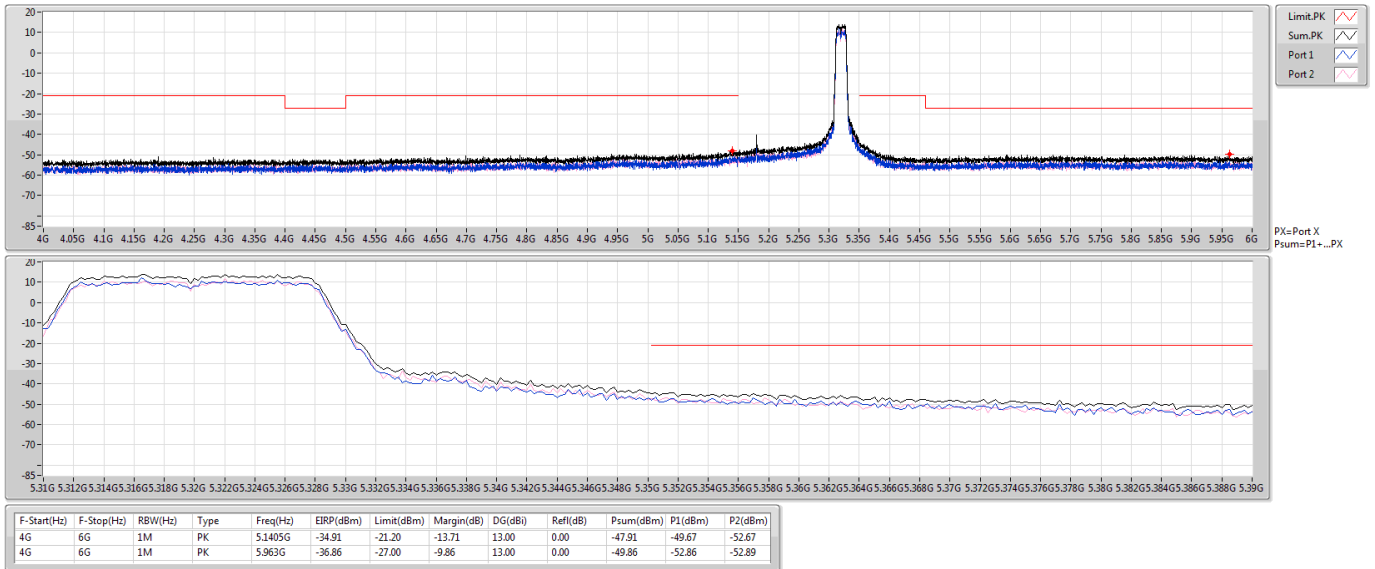
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.1367G	-43.01	-41.20	-1.81	13.00	0.00	-56.01	-58.27	-59.94
5.35G	5.46G	1M	AV	5.3511G	-41.37	-41.20	-0.17	13.00	0.00	-54.37	-59.28	-56.06
5.46G	6G	1M	AV	5.46G	-49.93	-41.20	-8.73	13.00	0.00	-62.93	-65.83	-66.05

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-PK

05/08/2019

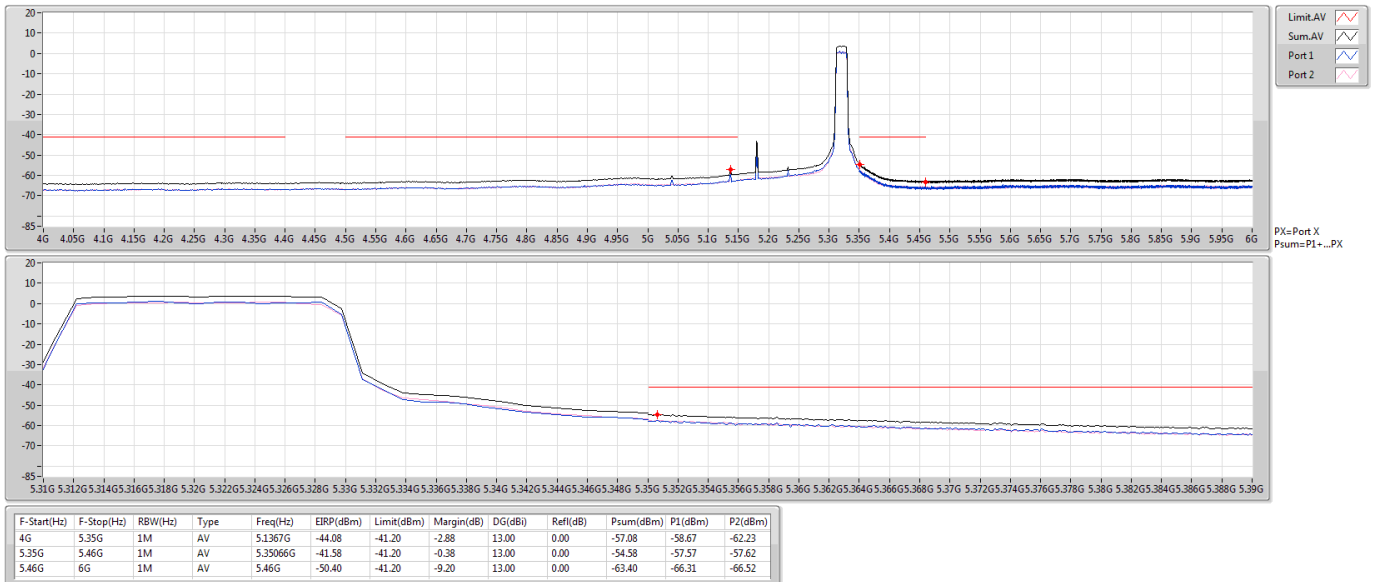


802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-AV

05/08/2019

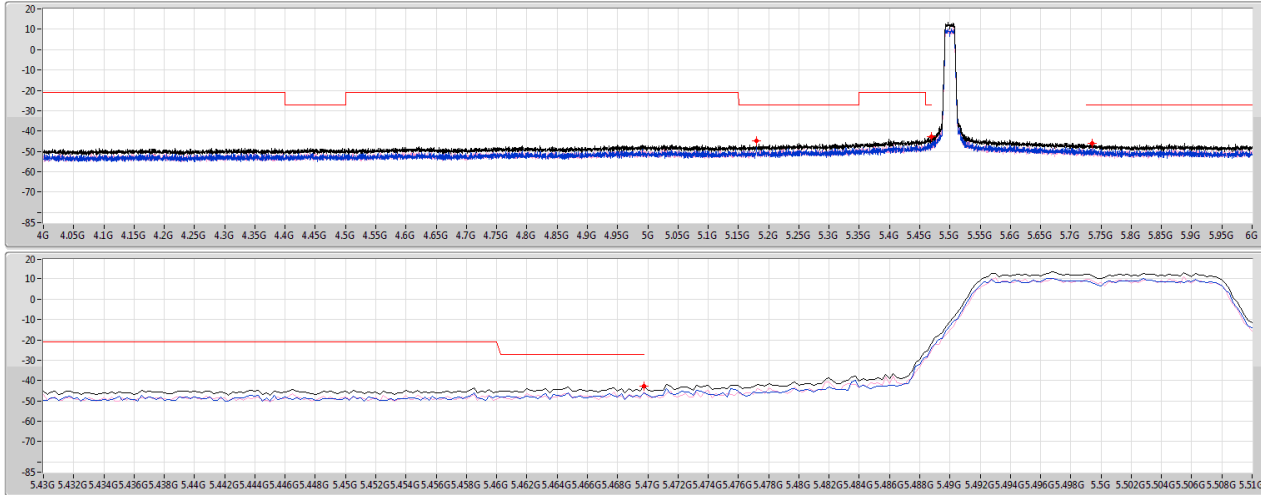


802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-PK

05/08/2019



Limit:PK
Sum:PK
Port 1
Port 2

PX=Port X
Psum=P1+...PX

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.17975G	-31.68	-27.00	-4.68	13.00	0.00	-44.68	-47.72	-47.67
4G	6G	1M	PK	5.46975G	-29.87	-27.00	-2.87	13.00	0.00	-42.87	-46.22	-45.56
4G	6G	1M	PK	5.73525G	-33.08	-27.00	-6.08	13.00	0.00	-46.08	-50.62	-47.96

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-AV

05/08/2019



Limit:AV
Sum:AV
Port 1
Port 2

PX=Port X
Psum=P1+...PX

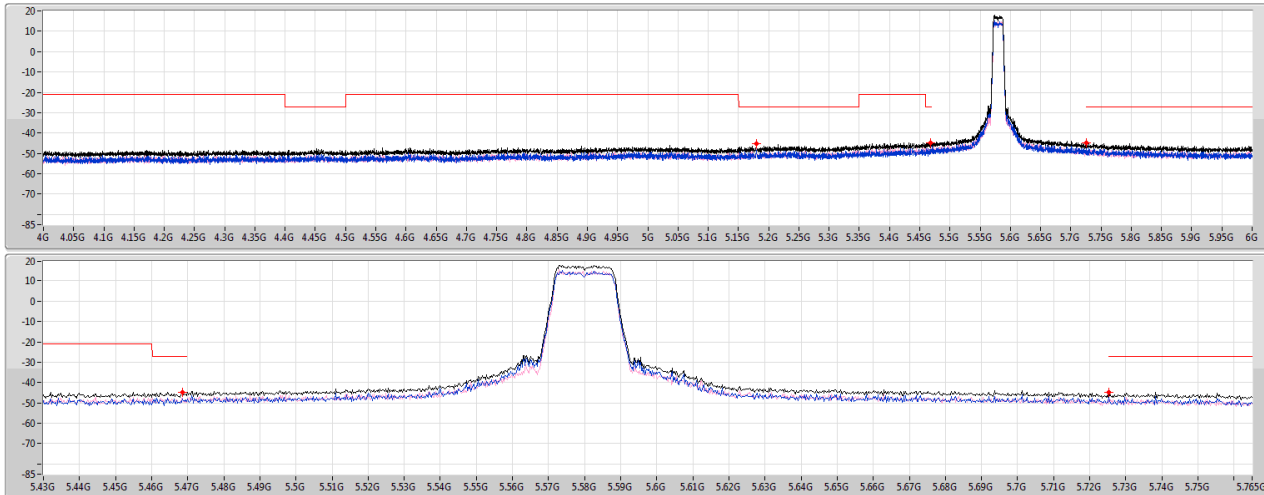
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.35G	-44.69	-41.20	-3.49	13.00	0.00	-57.69	-60.95	-60.47
5.35G	5.46G	1M	AV	5.42392G	-41.74	-41.20	-0.54	13.00	0.00	-54.74	-56.27	-60.01
5.46G	6G	1M	AV	5.46G	-43.34	-41.20	-2.14	13.00	0.00	-56.34	-59.15	-59.57
5.35G	5.46G	1M	AV	5.46G	-43.31	-41.20	-2.11	13.00	0.00	-56.31	-59.33	-59.32

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-PK

05/08/2019



Limit:PK
Sum:PK
Port 1
Port 2

PX=Port X
Psum=P1+...PX

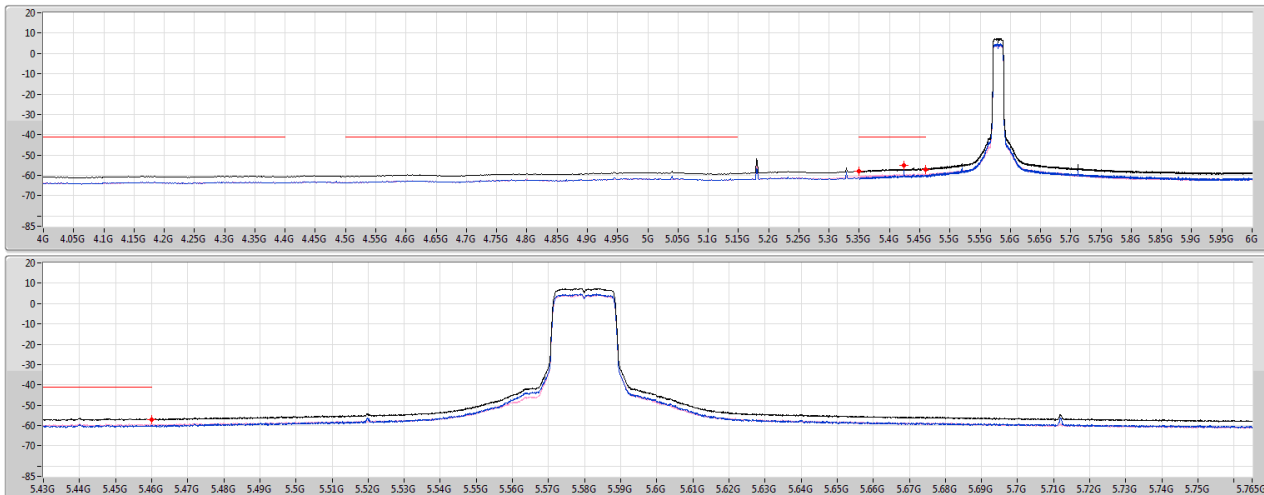
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.18G	-32.27	-27.00	-5.27	13.00	0.00	-45.27	-49.50	-47.33
4G	6G	1M	PK	5.4685G	-31.80	-27.00	-4.80	13.00	0.00	-44.80	-48.01	-47.61
4G	6G	1M	PK	5.72525G	-31.82	-27.00	-4.82	13.00	0.00	-44.82	-47.18	-48.59

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-AV

05/08/2019



Limit:AV
Sum:AV
Port 1
Port 2

PX=Port X
Psum=P1+...PX

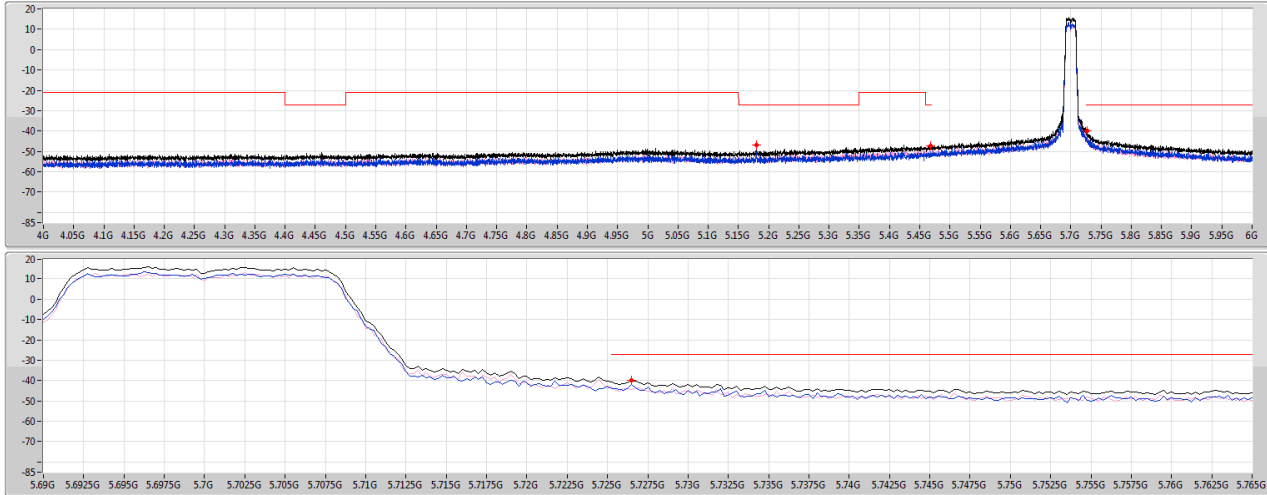
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.35G	-44.88	-41.20	-3.68	13.00	0.00	-57.88	-61.10	-60.69
5.35G	5.46G	1M	AV	5.42392G	-41.93	-41.20	-0.73	13.00	0.00	-54.93	-56.60	-59.90
5.46G	6G	1M	AV	5.46G	-44.13	-41.20	-2.93	13.00	0.00	-57.13	-60.30	-59.99
5.35G	5.46G	1M	AV	5.46G	-44.06	-41.20	-2.86	13.00	0.00	-57.06	-60.25	-59.90

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-PK

05/08/2019


Limit:PK
Sum:PK
Port 1
Port 2

PX=Port X
Psum=P1+...PX

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.18G	-33.89	-27.00	-6.89	13.00	0.00	-46.89	-50.23	-49.59
4G	6G	1M	PK	5.4675G	-34.31	-27.00	-7.31	13.00	0.00	-47.31	-50.15	-50.49
4G	6G	1M	PK	5.7265G	-27.06	-27.00	-0.06	13.00	0.00	-40.06	-42.02	-44.47

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-AV

05/08/2019


Limit:AV
Sum:AV
Port 1
Port 2

PX=Port X
Psum=P1+...PX

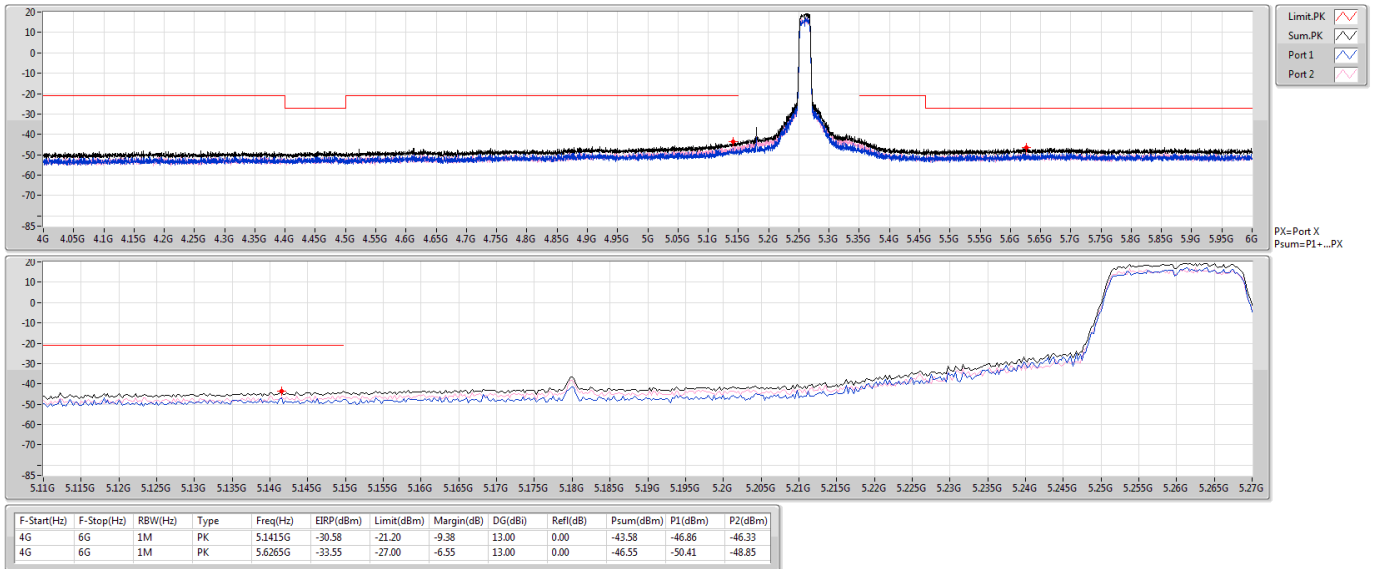
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.04085G	-46.60	-41.20	-5.40	13.00	0.00	-59.60	-61.22	-64.67
5.35G	5.46G	1M	AV	5.42403G	-43.22	-41.20	-2.02	13.00	0.00	-56.22	-57.55	-62.01
5.46G	6G	1M	AV	5.46G	-46.24	-41.20	-5.04	13.00	0.00	-59.24	-62.71	-61.84
5.35G	5.46G	1M	AV	5.46G	-46.24	-41.20	-5.04	13.00	0.00	-59.24	-62.71	-61.84

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-PK

05/08/2019

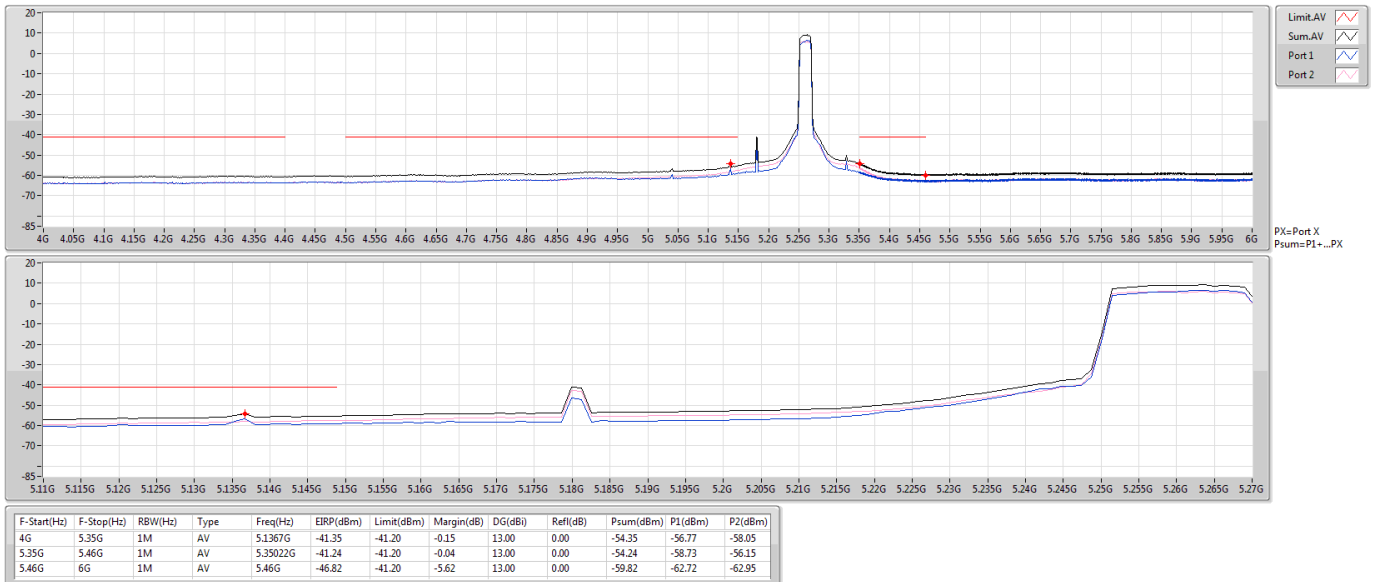


802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-AV

05/08/2019

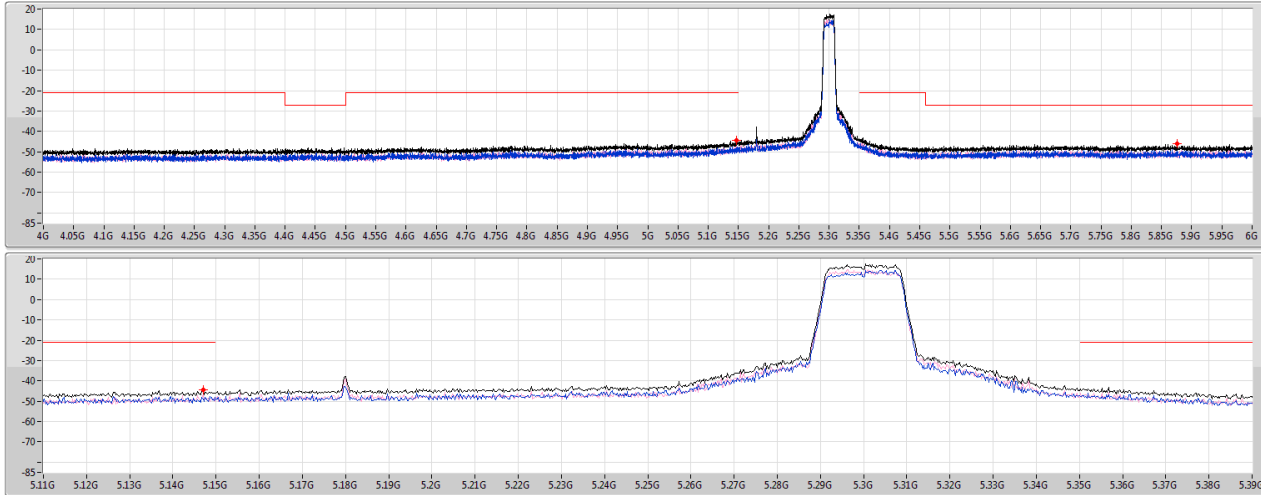


802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-PK

05/08/2019



Limit.PK
Sum.PK
Port 1
Port 2

PX=Port X
Psum=P1+...PX

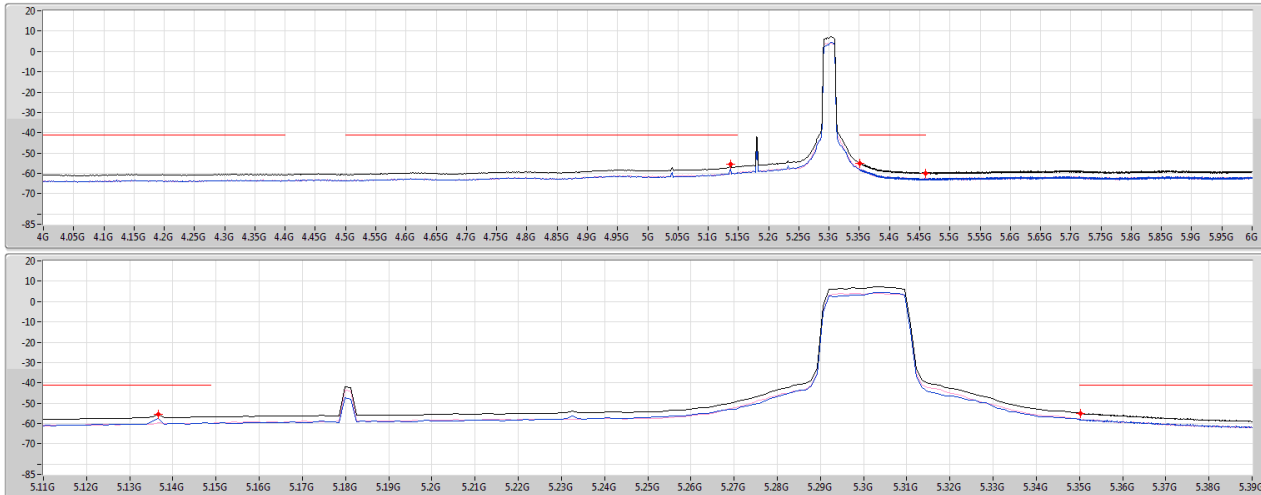
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.147G	-31.42	-21.20	-10.22	13.00	0.00	-44.42	-49.03	-46.27
4G	6G	1M	PK	5.8765G	-33.17	-27.00	-6.17	13.00	0.00	-46.17	-48.63	-49.80

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-AV

05/08/2019



Limit.AV
Sum.AV
Port 1
Port 2

PX=Port X
Psum=P1+...PX

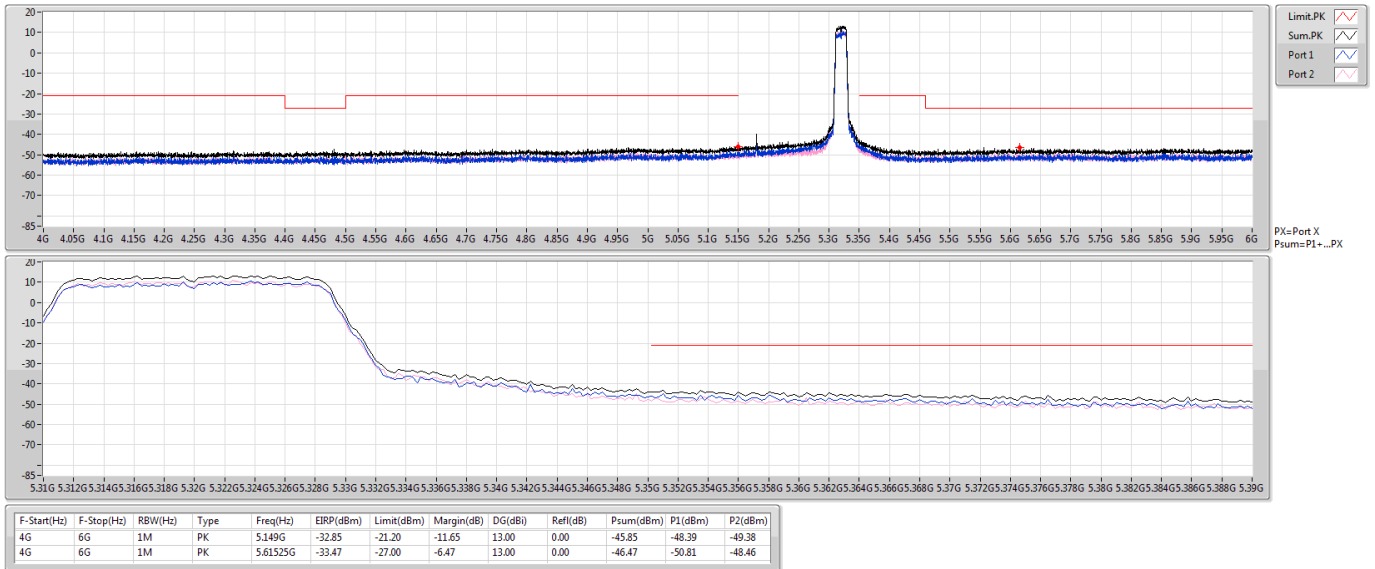
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.1367G	-42.40	-41.20	-1.20	13.00	0.00	-55.40	-57.39	-59.75
5.35G	5.46G	1M	AV	5.35022G	-42.07	-41.20	-0.87	13.00	0.00	-55.07	-58.09	-58.07
5.46G	6G	1M	AV	5.46G	-46.88	-41.20	-5.68	13.00	0.00	-59.88	-63.17	-62.62

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-PK

05/08/2019

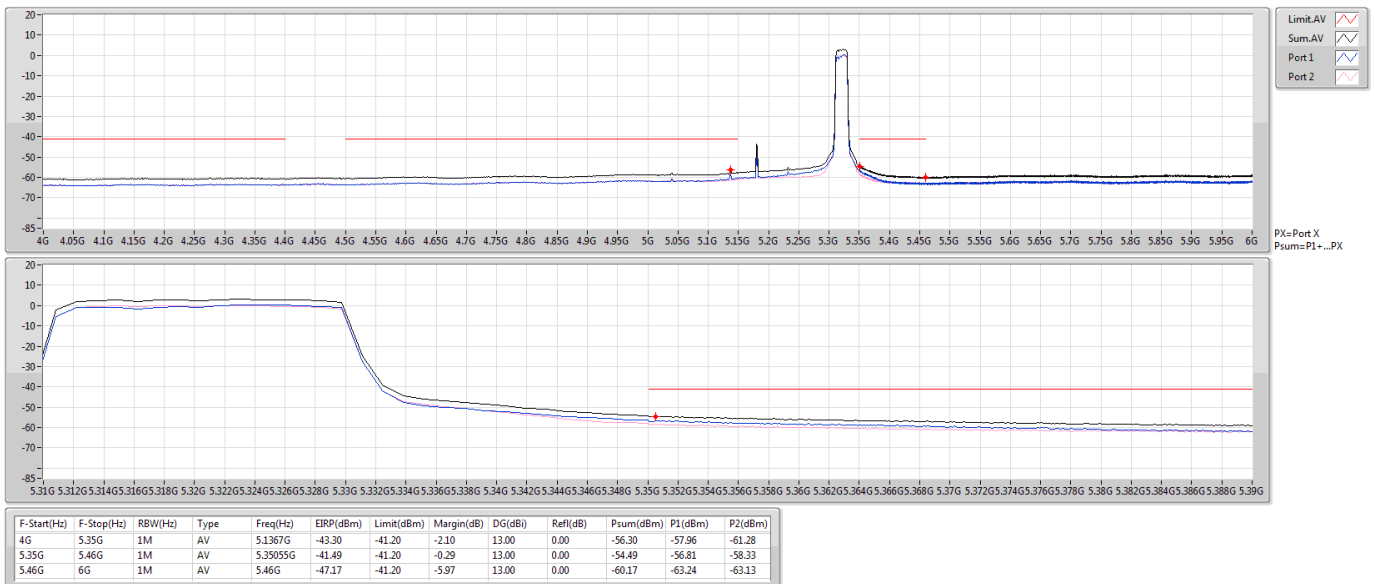


802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-AV

05/08/2019

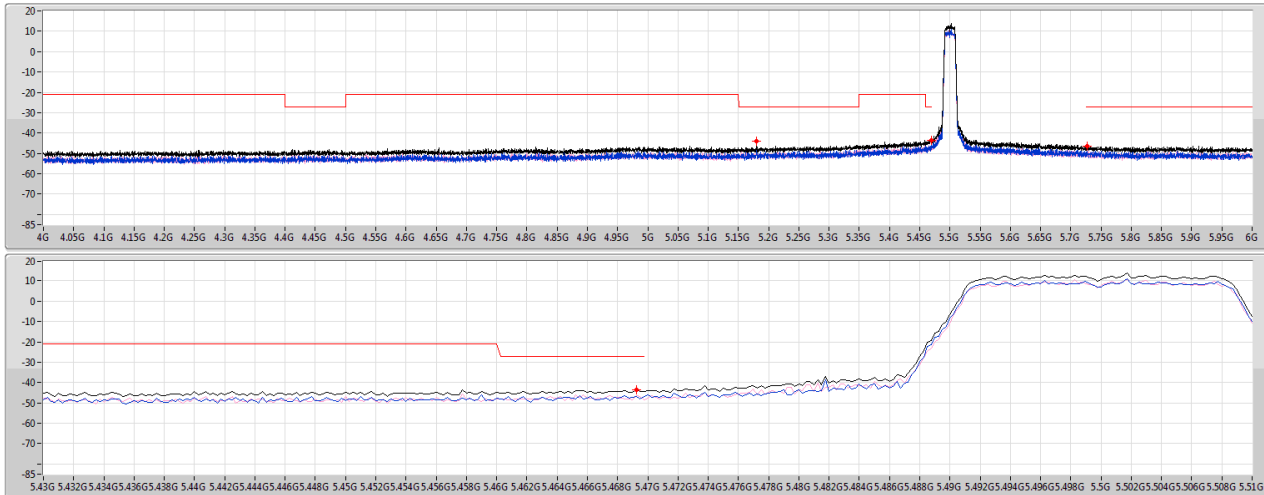


802.11ac VHT20_Nss1,(MCS0)_2TX

CSE-PK

5500MHz

05/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.18G	-31.17	-27.00	-4.17	13.00	0.00	-44.17	-47.31	-47.06
4G	6G	1M	PK	5.46925G	-30.63	-27.00	-3.63	13.00	0.00	-43.63	-46.79	-46.50
4G	6G	1M	PK	5.727G	-33.27	-27.00	-6.27	13.00	0.00	-46.27	-48.14	-50.82

802.11ac VHT20_Nss1,(MCS0)_2TX

CSE-AV

5500MHz

05/08/2019



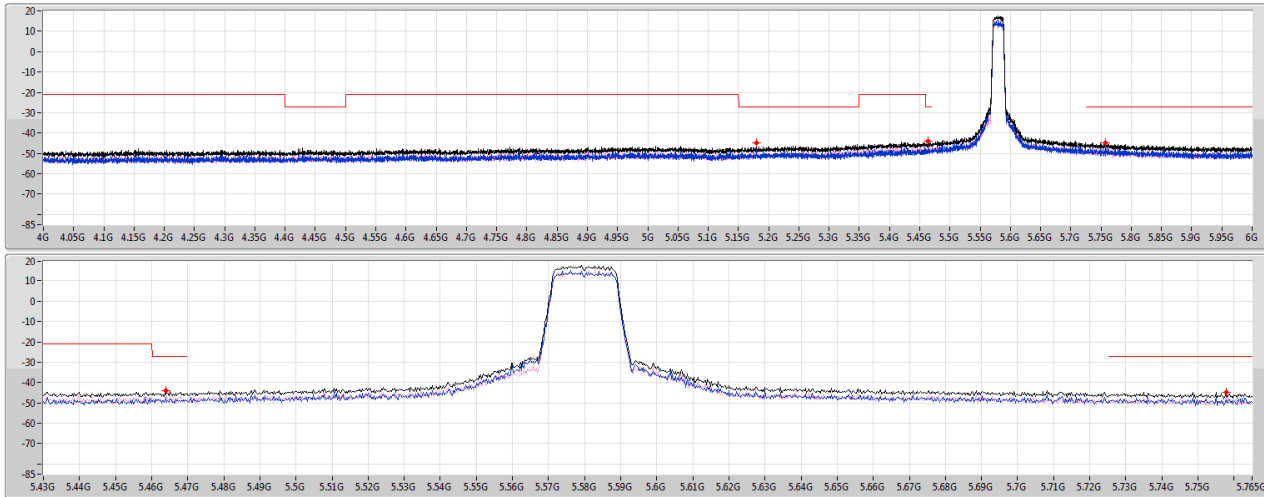
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.35G	-44.65	-41.20	-3.45	13.00	0.00	-57.65	-60.74	-60.59
5.35G	5.46G	1M	AV	5.42403G	-41.25	-41.20	-0.05	13.00	0.00	-54.25	-55.71	-59.69
5.46G	6G	1M	AV	5.46G	-43.22	-41.20	-2.02	13.00	0.00	-56.22	-58.98	-59.49
5.35G	5.46G	1M	AV	5.46G	-43.11	-41.20	-1.91	13.00	0.00	-56.11	-58.91	-59.35

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

CSE-PK

05/08/2019



Limit:PK
Sum:PK
Port 1
Port 2

PX=Port X
Psum=P1+...PX

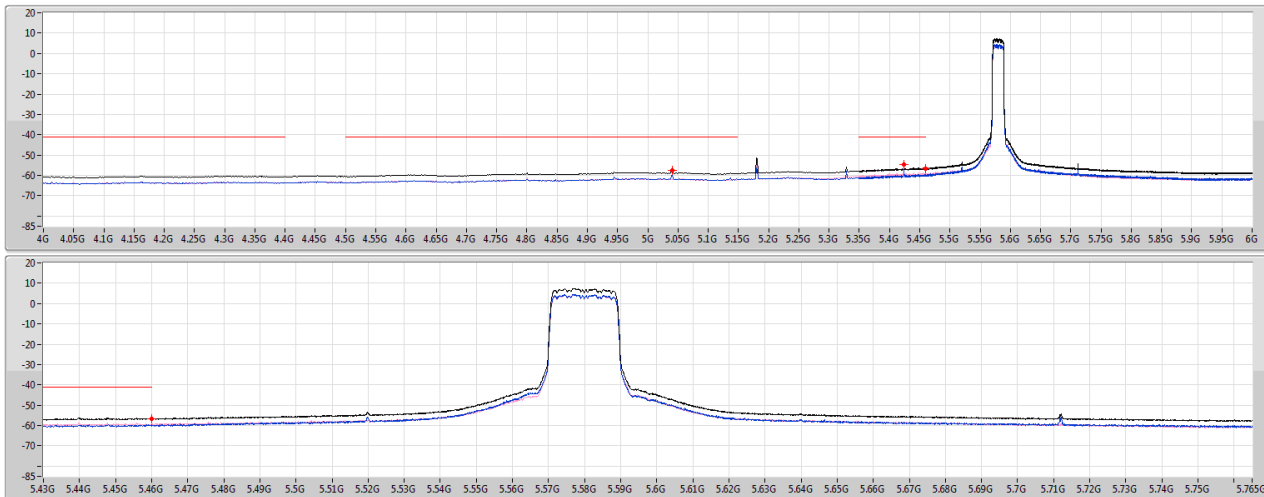
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.18G	-31.96	-27.00	-4.96	13.00	0.00	-44.96	-48.95	-47.17
4G	6G	1M	PK	5.464G	-31.15	-27.00	-4.15	13.00	0.00	-44.15	-47.20	-47.12
4G	6G	1M	PK	5.75775G	-31.85	-27.00	-4.85	13.00	0.00	-44.85	-48.40	-47.38

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

CSE-AV

05/08/2019



Limit:AV
Sum:AV
Port 1
Port 2

PX=Port X
Psum=P1+...PX

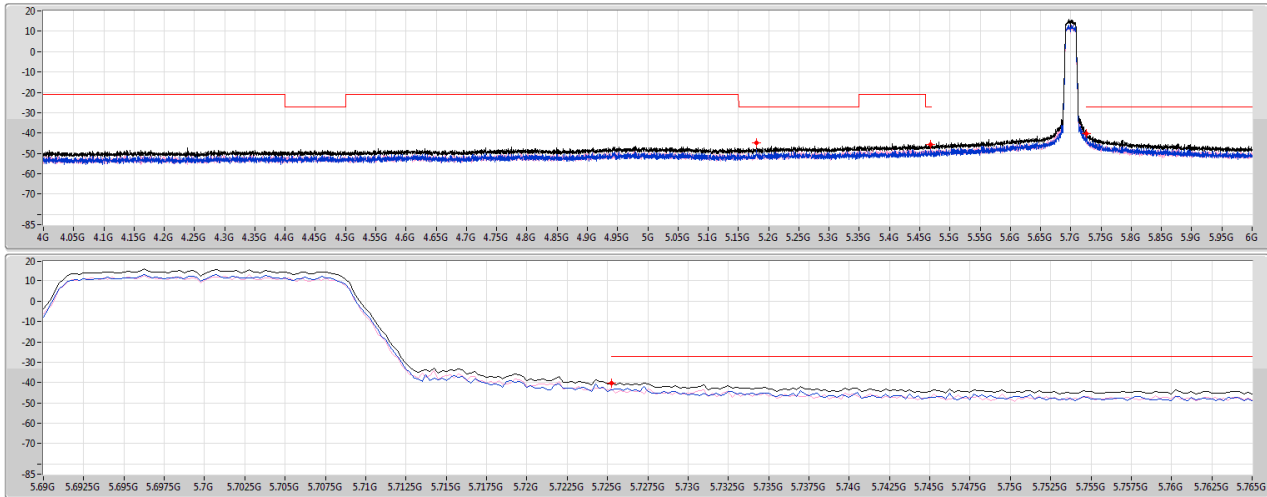
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.04085G	-41.53	-41.20	-3.33	13.00	0.00	-57.53	-59.54	-61.84
5.35G	5.46G	1M	AV	5.42392G	-41.58	-41.20	-0.38	13.00	0.00	-54.58	-56.20	-59.64
5.46G	6G	1M	AV	5.46G	-43.89	-41.20	-2.69	13.00	0.00	-56.89	-60.29	-59.54
5.35G	5.46G	1M	AV	5.46G	-43.57	-41.20	-2.37	13.00	0.00	-56.57	-59.63	-59.53

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

CSE-PK

05/08/2019



Limit.PK
Sum.PK
Port 1
Port 2

PX=Port X
Psum=P1+...PX

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.17975G	-31.78	-27.00	-4.78	13.00	0.00	-44.78	-48.40	-47.26
4G	6G	1M	PK	5.468G	-32.63	-27.00	-5.63	13.00	0.00	-45.63	-48.15	-49.20
4G	6G	1M	PK	5.72525G	-27.42	-27.00	-0.42	13.00	0.00	-40.42	-43.73	-43.15

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

CSE-AV

05/08/2019



Limit.AV
Sum.AV
Port 1
Port 2

PX=Port X
Psum=P1+...PX

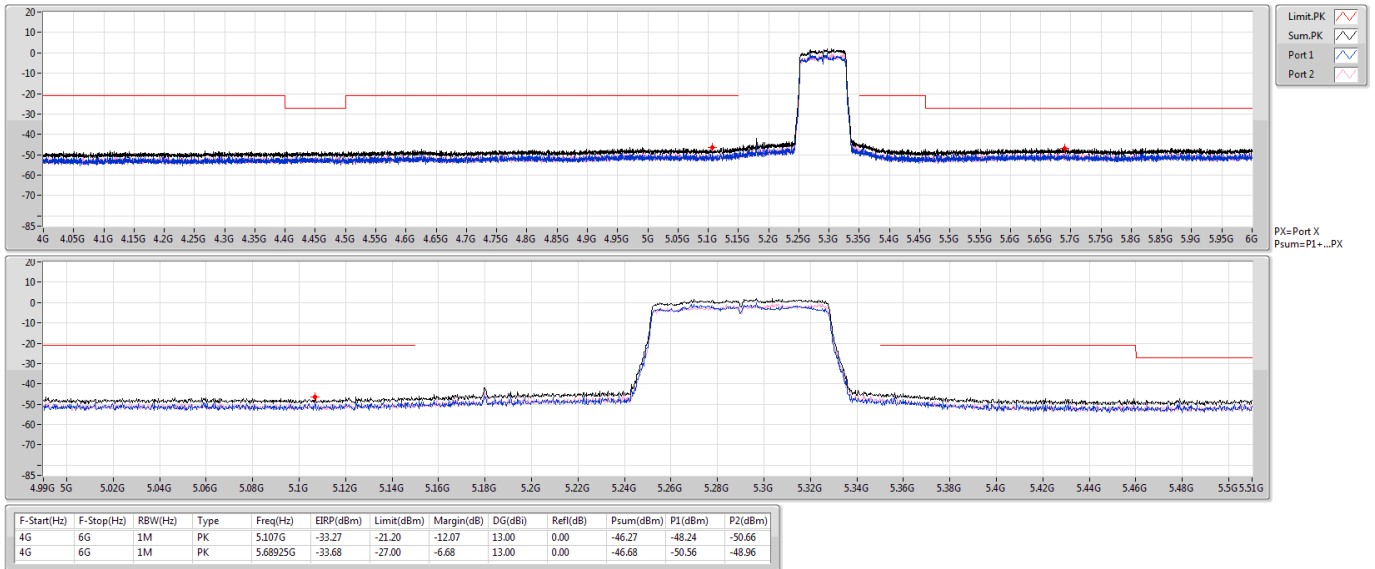
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.0395G	-41.58	-41.20	-3.38	13.00	0.00	-57.58	-59.79	-61.58
5.35G	5.46G	1M	AV	5.42381G	-42.70	-41.20	-1.50	13.00	0.00	-55.70	-57.46	-60.47
5.46G	6G	1M	AV	5.46G	-44.79	-41.20	-3.59	13.00	0.00	-57.79	-61.16	-60.47
5.35G	5.46G	1M	AV	5.46G	-44.79	-41.20	-3.59	13.00	0.00	-57.79	-61.16	-60.47

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

CSE-PK

05/08/2019

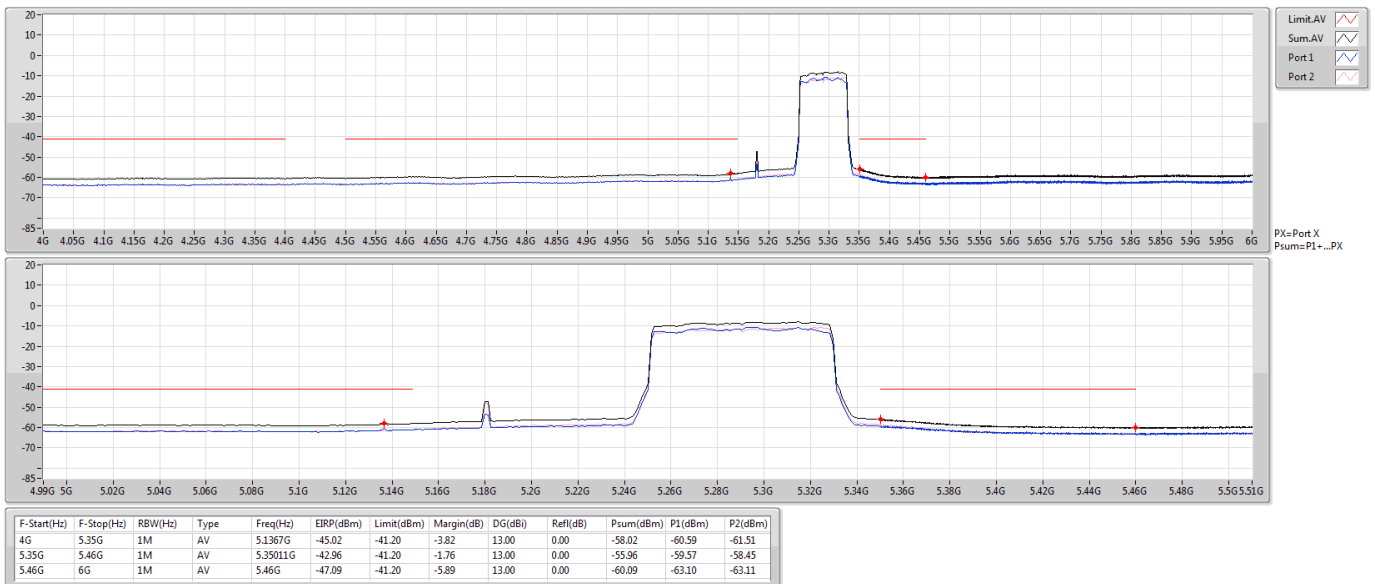


802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

CSE-AV

05/08/2019

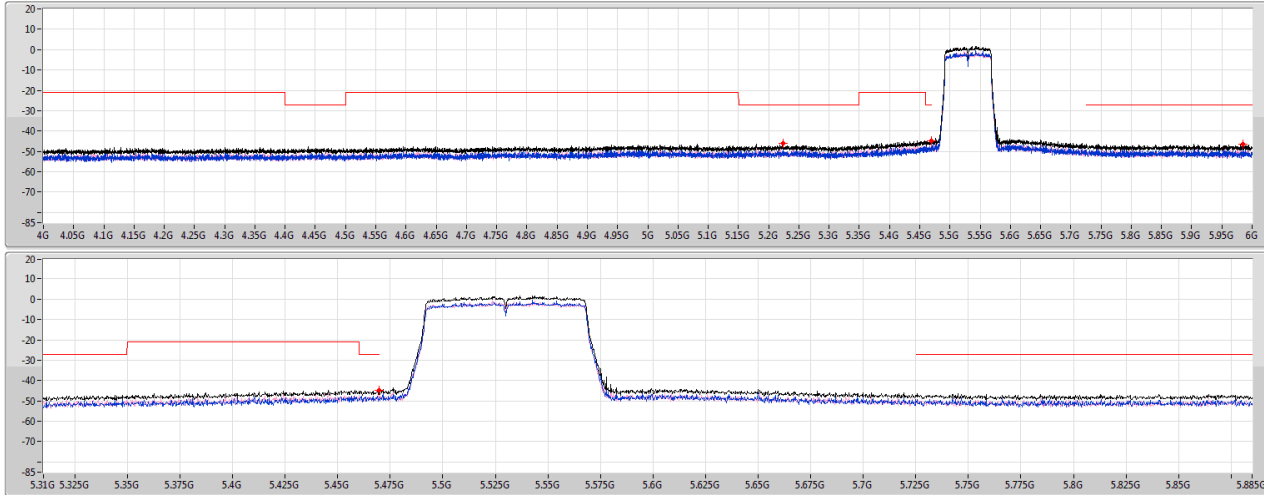


802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz

CSE-PK

05/08/2019



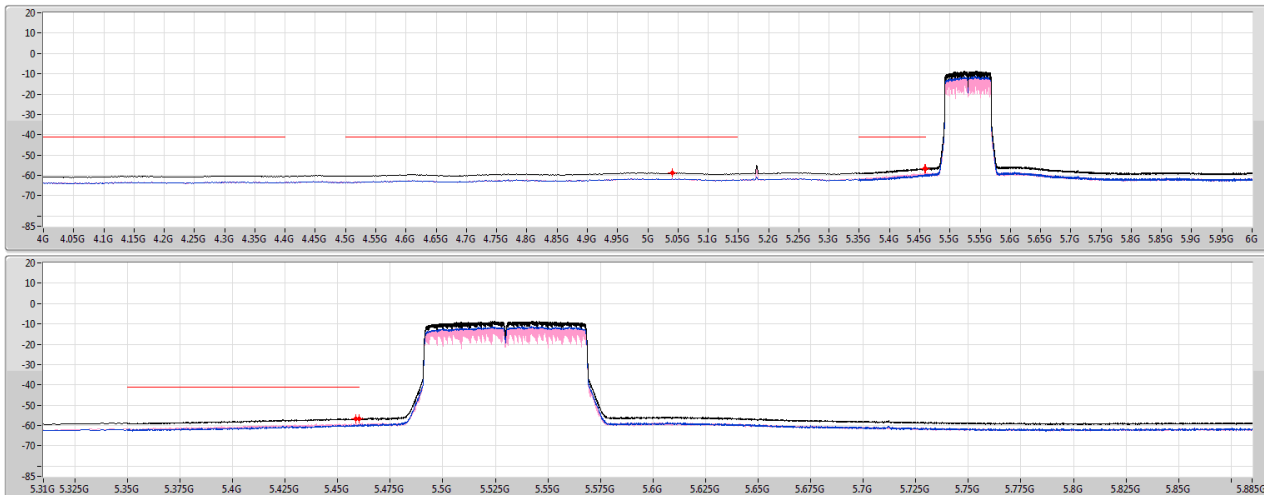
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.2235G	-33.10	-27.00	-6.10	13.00	0.00	-46.10	-48.37	-50.01
4G	6G	1M	PK	5.46975G	-31.73	-27.00	-4.73	13.00	0.00	-44.73	-49.15	-46.67
4G	6G	1M	PK	5.98475G	-33.41	-27.00	-6.41	13.00	0.00	-46.41	-48.69	-50.30

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz

CSE-AV

05/08/2019



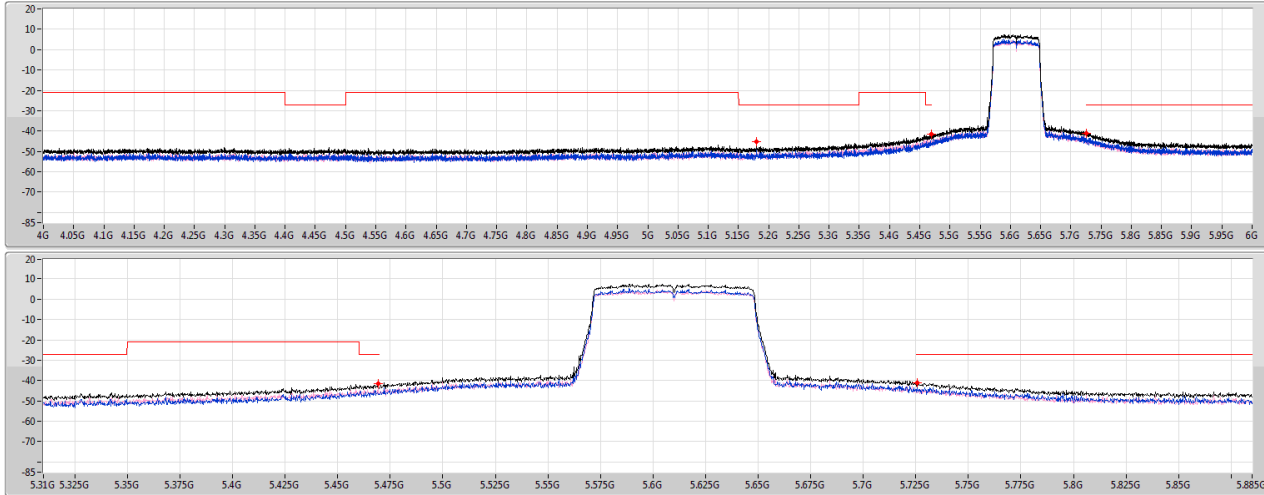
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.04085G	-45.70	-41.20	-4.50	13.00	0.00	-58.70	-61.57	-61.85
5.35G	5.46G	1M	AV	5.45857G	-43.54	-41.20	-2.34	13.00	0.00	-56.54	-59.81	-59.30
5.46G	6G	1M	AV	5.46G	-43.65	-41.20	-2.45	13.00	0.00	-56.65	-59.92	-59.42
5.35G	5.46G	1M	AV	5.46G	-43.65	-41.20	-2.45	13.00	0.00	-56.65	-59.92	-59.42

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

CSE-PK

07/08/2019


Limit.PK
Sum.PK
Port 1
Port 2

PX=Port X
Psum=P1+...PX

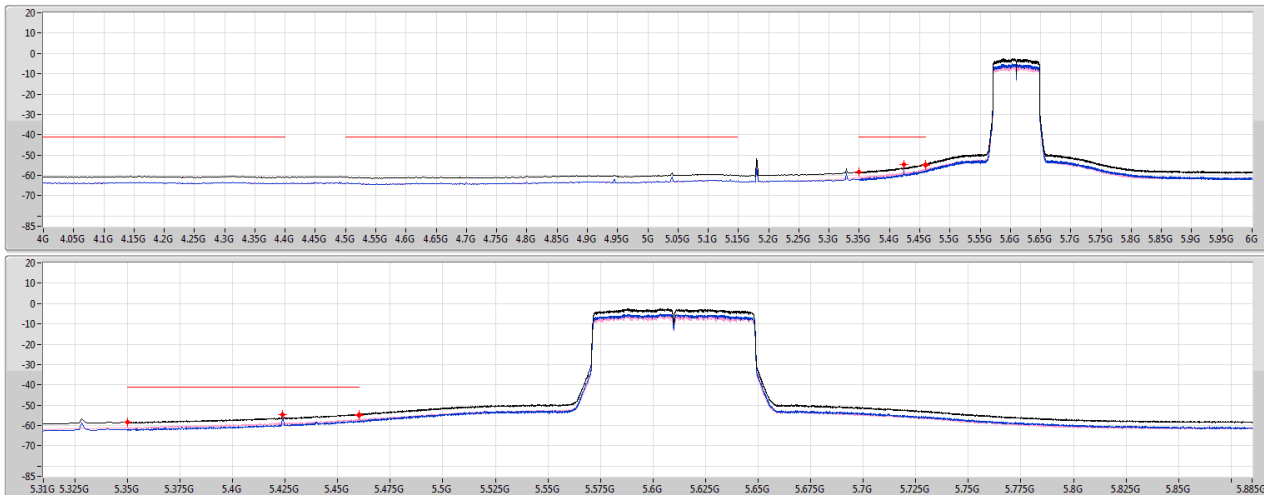
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	6G	1M	PK	5.18G	-32.29	-27.00	-5.29	13.00	0.00	-45.29	-49.45	-47.40
4G	6G	1M	PK	5.46925G	-28.49	-27.00	-1.49	13.00	0.00	-41.49	-46.44	-43.16
4G	6G	1M	PK	5.7255G	-28.27	-27.00	-1.27	13.00	0.00	-41.27	-43.12	-45.86

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

CSE-AV

07/08/2019


Limit.AV
Sum.AV
Port 1
Port 2

PX=Port X
Psum=P1+...PX

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
4G	5.35G	1M	AV	5.35G	-45.47	-41.20	-4.27	13.00	0.00	-58.47	-62.03	-60.99
5.35G	5.46G	1M	AV	5.42392G	-41.45	-41.20	-0.25	13.00	0.00	-54.45	-56.30	-59.05
5.46G	6G	1M	AV	5.46G	-41.86	-41.20	-0.66	13.00	0.00	-54.86	-58.22	-57.54
5.35G	5.46G	1M	AV	5.46G	-41.51	-41.20	-0.31	13.00	0.00	-54.51	-57.79	-57.26

For EUT 1 + Ant. 2: Harmonic: 1~8GHz
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)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	1G	5.15G	AV	5.13651G	5.00	-63.64	-63.50	-60.56	-55.56	-41.20	-14.36
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	1G	5.15G	AV	5.13651G	5.00	-60.43	-63.83	-58.80	-53.80	-41.20	-12.60
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	1G	5.15G	AV	5.13651G	5.00	-65.34	-65.90	-62.60	-57.60	-41.20	-16.40
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	5.35G	5.46G	AV	5.42392G	5.00	-64.62	-66.59	-62.48	-57.48	-41.20	-16.28
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	5.35G	5.46G	AV	5.42381G	5.00	-61.93	-66.51	-60.63	-55.63	-41.20	-14.43
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	5.35G	5.46G	AV	5.42381G	5.00	-64.61	-65.64	-62.08	-57.08	-41.20	-15.88

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	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-63.64	-63.50	-60.56	-55.56	-41.20	-14.36
5260MHz	Pass	5.35G	5.46G	AV	5.3753G	5.00	-66.58	-65.92	-63.23	-58.23	-41.20	-17.03
5260MHz	Pass	5.46G	8G	AV	7.39548G	5.00	-66.06	-65.54	-62.78	-57.78	-41.20	-16.58
5260MHz	Pass	1G	8G	PK	5.10813G	5.00	-56.56	-51.38	-50.23	-45.23	-21.20	-24.03
5260MHz	Pass	1G	8G	PK	5.9245G	5.00	-53.38	-53.38	-50.37	-45.37	-27.00	-18.37
5260MHz	Pass	1G	8G	PK	6.9745G	5.00	-51.23	-53.54	-49.22	-44.22	-27.00	-17.22
5300MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-64.02	-65.54	-61.70	-56.70	-41.20	-15.50
5300MHz	Pass	5.35G	5.46G	AV	5.38058G	5.00	-66.50	-66.12	-63.30	-58.30	-41.20	-17.10
5300MHz	Pass	5.46G	8G	AV	7.39262G	5.00	-65.90	-65.83	-62.85	-57.85	-41.20	-16.65
5300MHz	Pass	1G	8G	PK	5.0985G	5.00	-53.75	-55.06	-51.35	-46.35	-21.20	-25.15
5300MHz	Pass	1G	8G	PK	5.84575G	5.00	-52.85	-54.56	-50.61	-45.61	-27.00	-18.61
5300MHz	Pass	1G	8G	PK	6.53963G	5.00	-53.29	-52.31	-49.76	-44.76	-27.00	-17.76
5320MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-64.79	-65.85	-62.28	-57.28	-41.20	-16.08
5320MHz	Pass	5.35G	5.46G	AV	5.36936G	5.00	-66.06	-66.28	-63.16	-58.16	-41.20	-16.96
5320MHz	Pass	5.46G	8G	AV	7.3958G	5.00	-65.96	-65.78	-62.86	-57.86	-41.20	-16.66
5320MHz	Pass	1G	8G	PK	5.13175G	5.00	-52.97	-56.11	-51.25	-46.25	-21.20	-25.05
5320MHz	Pass	1G	8G	PK	5.86238G	5.00	-53.04	-54.20	-50.57	-45.57	-27.00	-18.57
5320MHz	Pass	1G	8G	PK	6.79163G	5.00	-53.34	-51.83	-49.51	-44.51	-27.00	-17.51
5500MHz	Pass	1G	5.15G	AV	5.10331G	5.00	-66.04	-66.05	-63.03	-58.03	-41.20	-16.83
5500MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-66.61	-66.68	-63.63	-58.63	-41.20	-17.43
5500MHz	Pass	5.35G	5.46G	AV	5.42392G	5.00	-64.62	-66.59	-62.48	-57.48	-41.20	-16.28
5500MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.32	-67.04	-64.17	-59.17	-41.20	-17.97
5500MHz	Pass	5.46G	8G	AV	7.39834G	5.00	-65.67	-66.13	-62.88	-57.88	-41.20	-16.68
5500MHz	Pass	1G	8G	PK	5.17988G	5.00	-55.10	-54.60	-51.83	-46.83	-27.00	-19.83
5500MHz	Pass	1G	8G	PK	5.4695G	5.00	-55.75	-57.08	-53.35	-48.35	-27.00	-21.35
5500MHz	Pass	1G	8G	PK	5.86325G	5.00	-53.89	-51.53	-49.54	-44.54	-27.00	-17.54
5500MHz	Pass	1G	8G	PK	6.95613G	5.00	-53.96	-51.30	-49.42	-44.42	-27.00	-17.42
5580MHz	Pass	1G	5.15G	AV	4.80036G	5.00	-67.38	-65.54	-63.35	-58.35	-41.20	-17.15
5580MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-67.33	-66.83	-64.06	-59.06	-41.20	-17.86
5580MHz	Pass	5.35G	5.46G	AV	5.42392G	5.00	-65.74	-66.67	-63.17	-58.17	-41.20	-16.97
5580MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.46	-67.14	-64.29	-59.29	-41.20	-18.09
5580MHz	Pass	5.46G	8G	AV	7.40088G	5.00	-65.97	-65.45	-62.69	-57.69	-41.20	-16.49
5580MHz	Pass	1G	8G	PK	5.17988G	5.00	-54.75	-52.17	-50.26	-45.26	-27.00	-18.26
5580MHz	Pass	1G	8G	PK	5.466G	5.00	-56.73	-56.21	-53.45	-48.45	-27.00	-21.45
5580MHz	Pass	1G	8G	PK	5.858G	5.00	-52.57	-54.98	-50.60	-45.60	-27.00	-18.60
5580MHz	Pass	1G	8G	PK	6.957G	5.00	-51.87	-53.82	-49.73	-44.73	-27.00	-17.73
5700MHz	Pass	1G	5.15G	AV	5.1085G	5.00	-66.07	-66.32	-63.18	-58.18	-41.20	-16.98
5700MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-66.98	-66.22	-63.57	-58.57	-41.20	-17.37
5700MHz	Pass	5.35G	5.46G	AV	5.405G	5.00	-66.12	-65.56	-62.82	-57.82	-41.20	-16.62
5700MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.38	-67.08	-64.22	-59.22	-41.20	-18.02
5700MHz	Pass	5.46G	8G	AV	7.38627G	5.00	-65.85	-65.64	-62.73	-57.73	-41.20	-16.53
5700MHz	Pass	1G	8G	PK	5.17988G	5.00	-52.64	-51.91	-49.25	-44.25	-27.00	-17.25
5700MHz	Pass	1G	8G	PK	5.466G	5.00	-55.48	-56.07	-52.75	-47.75	-27.00	-20.75
5700MHz	Pass	1G	8G	PK	5.872G	5.00	-50.80	-53.55	-48.95	-43.95	-27.00	-16.95
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-60.43	-63.83	-58.80	-53.80	-41.20	-12.60
5260MHz	Pass	5.35G	5.46G	AV	5.37189G	5.00	-66.24	-66.09	-63.15	-58.15	-41.20	-16.95
5260MHz	Pass	5.46G	8G	AV	7.39453G	5.00	-65.92	-66.00	-62.95	-57.95	-41.20	-16.75
5260MHz	Pass	1G	8G	PK	5.137G	5.00	-51.66	-54.71	-49.91	-44.91	-21.20	-23.71
5260MHz	Pass	1G	8G	PK	5.95425G	5.00	-53.30	-53.65	-50.46	-45.46	-27.00	-18.46
5260MHz	Pass	1G	8G	PK	6.72338G	5.00	-53.08	-52.57	-49.81	-44.81	-27.00	-17.81
5300MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-64.00	-65.53	-61.69	-56.69	-41.20	-15.49

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)
5300MHz	Pass	5.35G	5.46G	AV	5.37277G	5.00	-66.51	-66.42	-63.45	-58.45	-41.20	-17.25
5300MHz	Pass	5.46G	8G	AV	7.40659G	5.00	-65.96	-65.59	-62.76	-57.76	-41.20	-16.56
5300MHz	Pass	1G	8G	PK	5.13263G	5.00	-54.14	-54.72	-51.41	-46.41	-21.20	-25.21
5300MHz	Pass	1G	8G	PK	5.89388G	5.00	-52.87	-54.56	-50.62	-45.62	-27.00	-18.62
5300MHz	Pass	1G	8G	PK	6.138G	5.00	-52.05	-53.72	-49.79	-44.79	-27.00	-17.79
5320MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-64.26	-65.75	-61.93	-56.93	-41.20	-15.73
5320MHz	Pass	5.35G	5.46G	AV	5.37838G	5.00	-66.32	-66.50	-63.40	-58.40	-41.20	-17.20
5320MHz	Pass	5.46G	8G	AV	7.40024G	5.00	-65.79	-65.98	-62.87	-57.87	-41.20	-16.67
5320MHz	Pass	1G	8G	PK	5.13875G	5.00	-56.36	-53.32	-51.57	-46.57	-21.20	-25.37
5320MHz	Pass	1G	8G	PK	5.86325G	5.00	-53.31	-55.40	-51.22	-46.22	-27.00	-19.22
5320MHz	Pass	1G	8G	PK	6.97713G	5.00	-53.87	-51.55	-49.55	-44.55	-27.00	-17.55
5500MHz	Pass	1G	5.15G	AV	5.09501G	5.00	-66.20	-66.47	-63.32	-58.32	-41.20	-17.12
5500MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-66.74	-66.71	-63.71	-58.71	-41.20	-17.51
5500MHz	Pass	5.35G	5.46G	AV	5.42392G	5.00	-64.32	-67.10	-62.48	-57.48	-41.20	-16.28
5500MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.28	-67.44	-64.35	-59.35	-41.20	-18.15
5500MHz	Pass	5.46G	8G	AV	7.39643G	5.00	-66.28	-65.71	-62.98	-57.98	-41.20	-16.78
5500MHz	Pass	1G	8G	PK	5.17988G	5.00	-54.33	-54.27	-51.29	-46.29	-27.00	-19.29
5500MHz	Pass	1G	8G	PK	5.46425G	5.00	-56.58	-57.93	-54.19	-49.19	-27.00	-22.19
5500MHz	Pass	1G	8G	PK	5.98138G	5.00	-54.38	-52.31	-50.21	-45.21	-27.00	-18.21
5500MHz	Pass	1G	8G	PK	6.978G	5.00	-51.45	-54.20	-49.60	-44.60	-27.00	-17.60
5580MHz	Pass	1G	5.15G	AV	5.10124G	5.00	-66.43	-66.42	-63.41	-58.41	-41.20	-17.21
5580MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-67.29	-66.81	-64.03	-59.03	-41.20	-17.83
5580MHz	Pass	5.35G	5.46G	AV	5.42381G	5.00	-65.81	-66.73	-63.24	-58.24	-41.20	-17.04
5580MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.54	-67.53	-64.52	-59.52	-41.20	-18.32
5580MHz	Pass	5.46G	8G	AV	7.40564G	5.00	-66.26	-65.66	-62.94	-57.94	-41.20	-16.74
5580MHz	Pass	1G	8G	PK	5.17988G	5.00	-57.04	-52.97	-51.53	-46.53	-27.00	-19.53
5580MHz	Pass	1G	8G	PK	5.46425G	5.00	-56.53	-56.97	-53.73	-48.73	-27.00	-21.73
5580MHz	Pass	1G	8G	PK	5.86675G	5.00	-51.94	-55.62	-50.39	-45.39	-27.00	-18.39
5580MHz	Pass	1G	8G	PK	6.9745G	5.00	-52.43	-52.64	-49.52	-44.52	-27.00	-17.52
5700MHz	Pass	1G	5.15G	AV	5.04003G	5.00	-63.27	-66.44	-61.56	-56.56	-41.20	-15.36
5700MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-65.60	-65.91	-62.74	-57.74	-41.20	-16.54
5700MHz	Pass	5.35G	5.46G	AV	5.42381G	5.00	-61.93	-66.51	-60.63	-55.63	-41.20	-14.43
5700MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.60	-67.73	-64.65	-59.65	-41.20	-18.45
5700MHz	Pass	5.46G	8G	AV	7.39961G	5.00	-65.74	-66.19	-62.95	-57.95	-41.20	-16.75
5700MHz	Pass	1G	8G	PK	5.17988G	5.00	-53.68	-51.47	-49.43	-44.43	-27.00	-17.43
5700MHz	Pass	1G	8G	PK	5.46513G	5.00	-57.59	-54.17	-52.54	-47.54	-27.00	-20.54
5700MHz	Pass	1G	8G	PK	5.80725G	5.00	-49.95	-53.61	-48.40	-43.40	-27.00	-16.40
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	1G	5.15G	AV	5.13651G	5.00	-65.34	-65.90	-62.60	-57.60	-41.20	-16.40
5290MHz	Pass	5.35G	5.46G	AV	5.37673G	5.00	-65.68	-65.95	-62.80	-57.80	-41.20	-16.60
5290MHz	Pass	5.46G	8G	AV	7.39453G	5.00	-65.76	-65.76	-62.75	-57.75	-41.20	-16.55
5290MHz	Pass	1G	8G	PK	5.14313G	5.00	-53.08	-56.53	-51.46	-46.46	-21.20	-25.26
5290MHz	Pass	1G	8G	PK	5.94288G	5.00	-52.91	-53.69	-50.27	-45.27	-27.00	-18.27
5290MHz	Pass	1G	8G	PK	6.98063G	5.00	-51.93	-53.28	-49.54	-44.54	-27.00	-17.54
5530MHz	Pass	1G	5.15G	AV	5.11265G	5.00	-66.41	-66.18	-63.28	-58.28	-41.20	-17.08
5530MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-66.96	-66.54	-63.73	-58.73	-41.20	-17.53
5530MHz	Pass	5.35G	5.46G	AV	5.42414G	5.00	-65.29	-65.55	-62.41	-57.41	-41.20	-16.21
5530MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.21	-67.25	-64.22	-59.22	-41.20	-18.02
5530MHz	Pass	5.46G	8G	AV	7.39135G	5.00	-65.96	-65.30	-62.61	-57.61	-41.20	-16.41
5530MHz	Pass	1G	8G	PK	5.32513G	5.00	-55.72	-54.68	-52.16	-47.16	-27.00	-20.16
5530MHz	Pass	1G	8G	PK	5.46163G	5.00	-55.49	-56.82	-53.09	-48.09	-27.00	-21.09
5530MHz	Pass	1G	8G	PK	5.92625G	5.00	-52.71	-53.86	-50.24	-45.24	-27.00	-18.24
5530MHz	Pass	1G	8G	PK	6.8275G	5.00	-55.43	-50.74	-49.47	-44.47	-27.00	-17.47
5610MHz	Pass	1G	5.15G	AV	4.80036G	5.00	-67.33	-65.01	-63.01	-58.01	-41.20	-16.81

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)
5610MHz	Pass	5.15G	5.35G	AV	5.35G	5.00	-66.72	-65.56	-63.09	-58.09	-41.20	-16.89
5610MHz	Pass	5.35G	5.46G	AV	5.42381G	5.00	-64.61	-65.64	-62.08	-57.08	-41.20	-15.88
5610MHz	Pass	5.35G	5.46G	AV	5.46G	5.00	-67.32	-66.91	-64.10	-59.10	-41.20	-17.90
5610MHz	Pass	5.46G	8G	AV	7.38754G	5.00	-65.82	-65.54	-62.67	-57.67	-41.20	-16.47
5610MHz	Pass	1G	8G	PK	5.17988G	5.00	-55.60	-52.11	-50.50	-45.50	-27.00	-18.50
5610MHz	Pass	1G	8G	PK	5.46513G	5.00	-55.08	-55.95	-52.48	-47.48	-27.00	-20.48
5610MHz	Pass	1G	8G	PK	5.78538G	5.00	-51.12	-54.70	-49.54	-44.54	-27.00	-17.54

DG = Directional Gain;

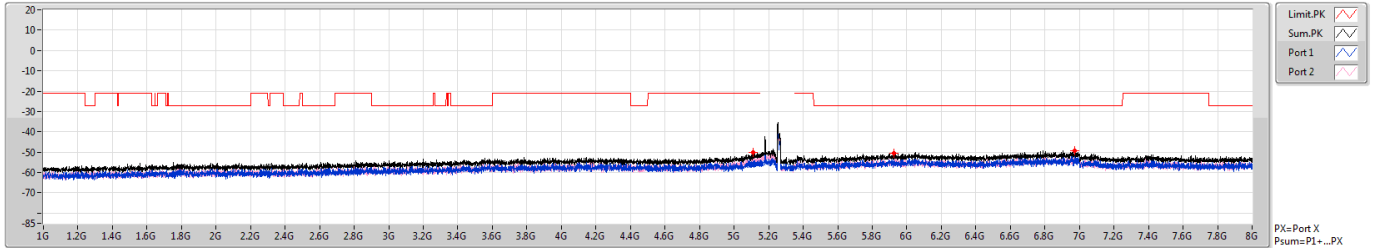
PX=Port X; Psum=P1+.P2+...PX

802.11a_Nss1,(6Mbps)_2TX

CSE-PK

5260MHz

07/08/2019



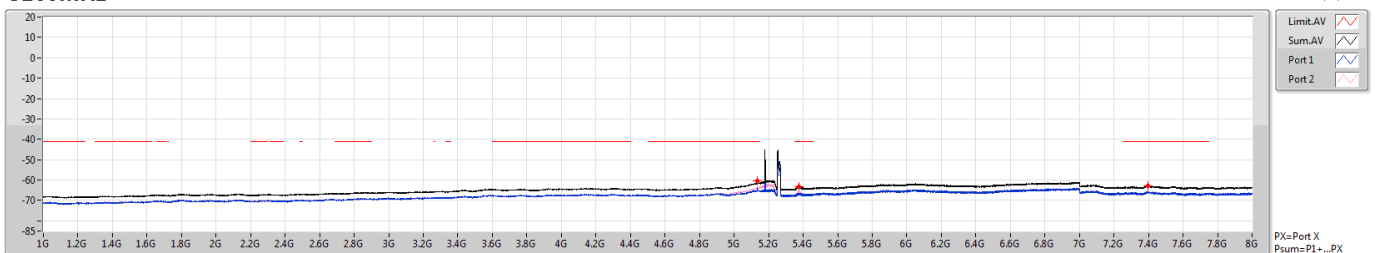
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.10813G	-45.23	-21.20	-24.03	5.00	0.00	-50.23	-56.56	-51.38
1G	8G	1M	PK	5.9245G	-45.37	-27.00	-18.37	5.00	0.00	-50.37	-53.38	-53.38
1G	8G	1M	PK	6.9745G	-44.22	-27.00	-17.22	5.00	0.00	-49.22	-51.23	-53.54

802.11a_Nss1,(6Mbps)_2TX

CSE-AV

5260MHz

07/08/2019



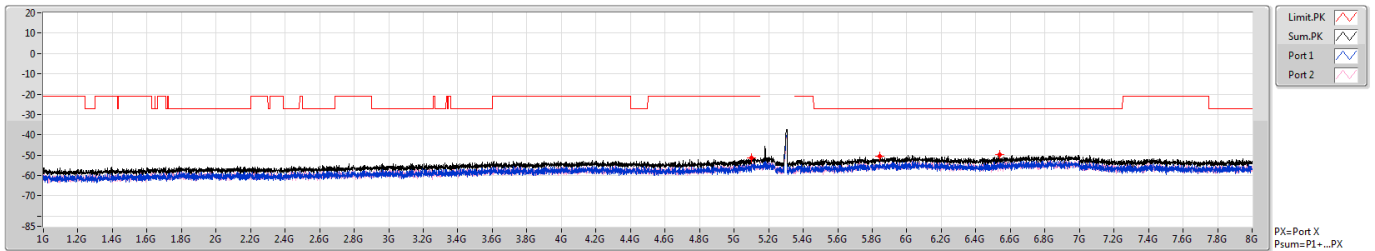
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.13651G	-55.56	-41.20	-14.36	5.00	0.00	-60.56	-63.64	-63.50
5.35G	5.46G	1M	AV	5.3753G	-58.23	-41.20	-17.03	5.00	0.00	-63.23	-66.58	-65.92
5.46G	8G	1M	AV	7.39548G	-57.78	-41.20	-16.58	5.00	0.00	-62.78	-66.06	-65.54

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-PK

07/08/2019



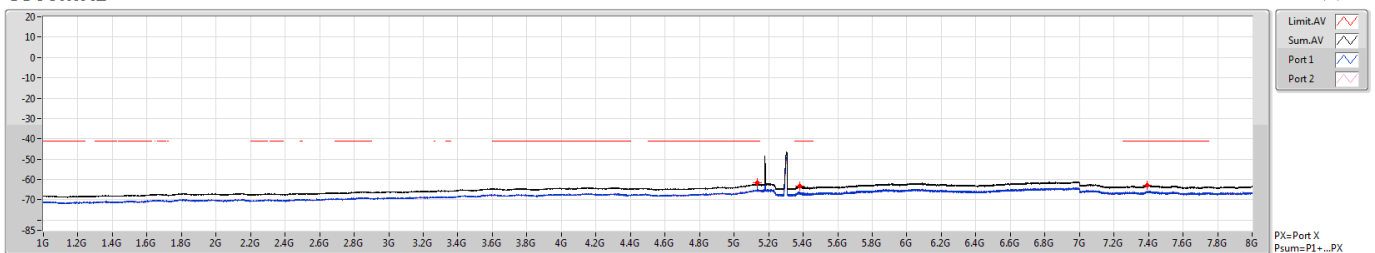
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.0985G	-46.35	-21.20	-25.15	5.00	0.00	-51.35	-53.75	-55.06
1G	8G	1M	PK	5.84575G	-45.61	-27.00	-18.61	5.00	0.00	-50.61	-52.85	-54.56
1G	8G	1M	PK	6.53963G	-44.76	-27.00	-17.76	5.00	0.00	-49.76	-53.29	-52.31

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-AV

07/08/2019



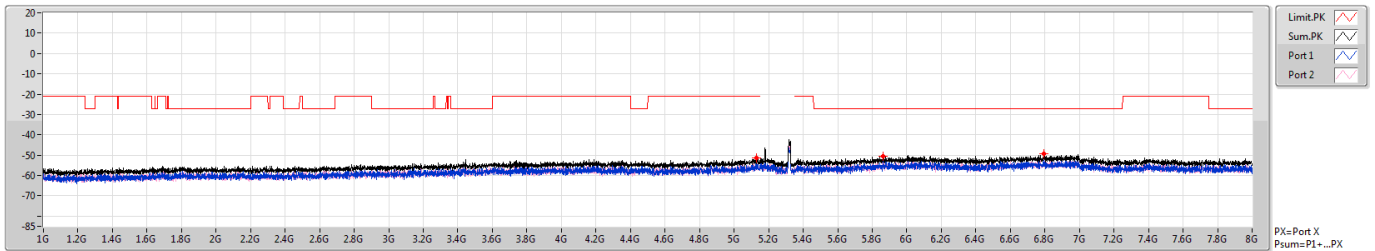
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.13651G	-56.70	-41.20	-15.50	5.00	0.00	-61.70	-64.02	-65.54
5.35G	5.46G	1M	AV	5.38058G	-58.30	-41.20	-17.10	5.00	0.00	-63.30	-66.50	-66.12
5.46G	8G	1M	AV	7.39262G	-57.85	-41.20	-16.65	5.00	0.00	-62.85	-65.90	-65.83

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-PK

07/08/2019



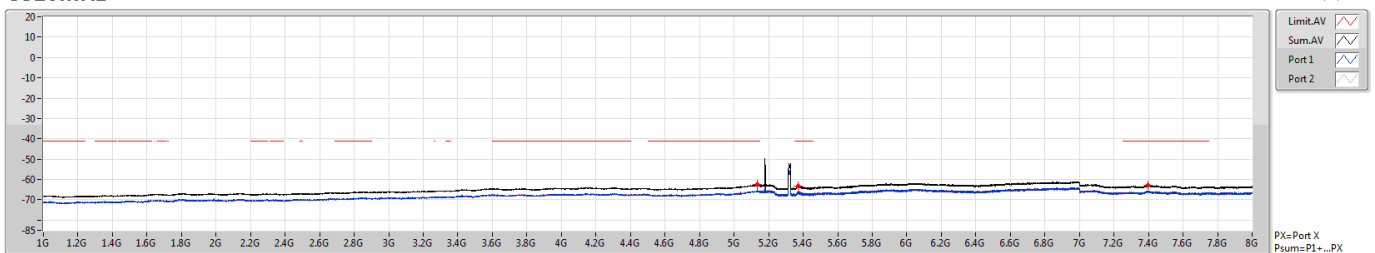
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.13175G	-46.25	-21.20	-25.05	5.00	0.00	-51.25	-52.97	-56.11
1G	8G	1M	PK	5.86238G	-45.57	-27.00	-18.57	5.00	0.00	-50.57	-53.04	-54.20
1G	8G	1M	PK	6.79163G	-44.51	-27.00	-17.51	5.00	0.00	-49.51	-53.34	-51.83

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-AV

07/08/2019



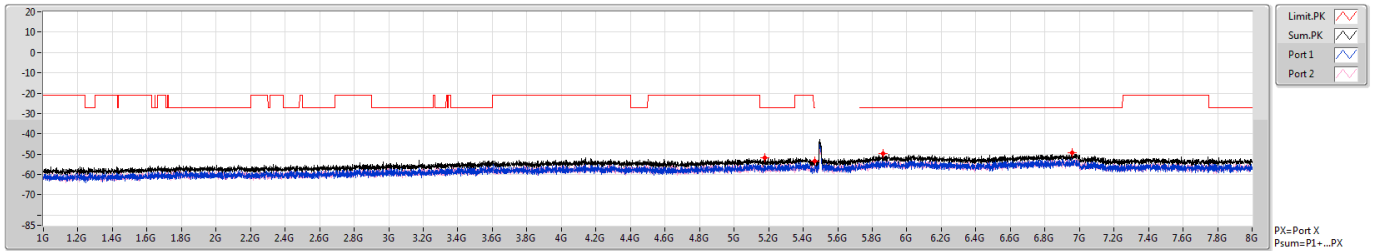
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.13651G	-57.28	-41.20	-16.08	5.00	0.00	-62.28	-64.79	-65.85
5.35G	5.46G	1M	AV	5.36936G	-58.16	-41.20	-16.96	5.00	0.00	-63.16	-66.06	-66.28
5.46G	8G	1M	AV	7.3958G	-57.86	-41.20	-16.66	5.00	0.00	-62.86	-65.96	-65.78

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-PK

07/08/2019



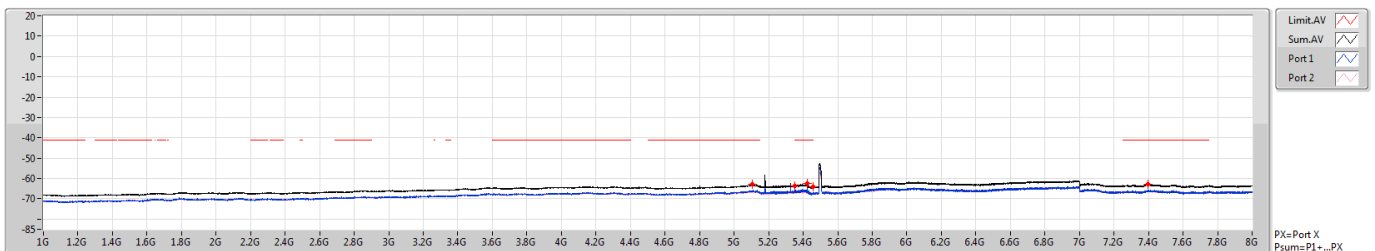
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-46.83	-27.00	-19.83	5.00	0.00	-51.83	-55.10	-54.60
1G	8G	1M	PK	5.4695G	-48.35	-27.00	-21.35	5.00	0.00	-53.35	-55.75	-57.08
1G	8G	1M	PK	5.86325G	-44.54	-27.00	-17.54	5.00	0.00	-49.54	-53.89	-51.53
1G	8G	1M	PK	6.95613G	-44.42	-27.00	-17.42	5.00	0.00	-49.42	-53.96	-51.30

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-AV

07/08/2019



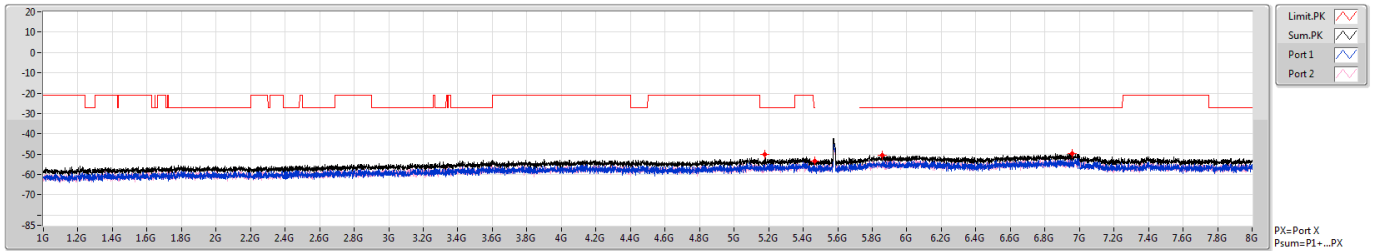
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.10331G	-58.03	-41.20	-16.83	5.00	0.00	-63.03	-66.04	-66.05
5.15G	5.35G	1M	AV	5.35G	-58.63	-41.20	-17.43	5.00	0.00	-63.63	-66.61	-66.68
5.35G	5.46G	1M	AV	5.42392G	-57.48	-41.20	-16.28	5.00	0.00	-62.48	-64.62	-66.59
5.35G	5.46G	1M	AV	5.46G	-59.17	-41.20	-17.97	5.00	0.00	-64.17	-67.32	-67.04
5.46G	8G	1M	AV	7.39834G	-57.88	-41.20	-16.68	5.00	0.00	-62.88	-65.67	-66.13

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-PK

07/08/2019



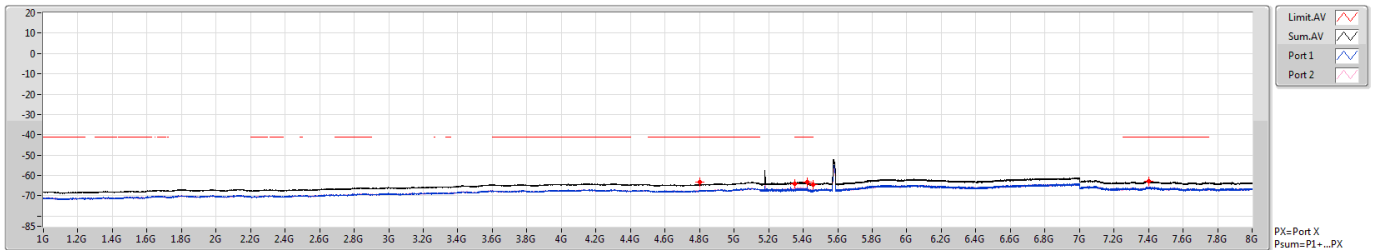
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-45.26	-27.00	-18.26	5.00	0.00	-50.26	-54.75	-52.17
1G	8G	1M	PK	5.466G	-48.45	-27.00	-21.45	5.00	0.00	-53.45	-56.73	-56.21
1G	8G	1M	PK	5.858G	-45.60	-27.00	-18.60	5.00	0.00	-50.60	-52.57	-54.98
1G	8G	1M	PK	6.957G	-44.73	-27.00	-17.73	5.00	0.00	-49.73	-51.87	-53.82

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-AV

07/08/2019



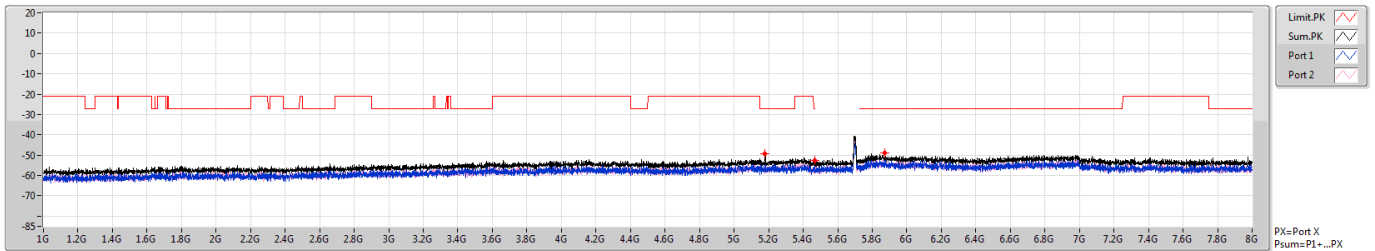
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	4.80036G	-58.35	-41.20	-17.15	5.00	0.00	-63.35	-67.38	-65.54
5.15G	5.35G	1M	AV	5.35G	-59.06	-41.20	-17.86	5.00	0.00	-64.06	-67.33	-66.83
5.35G	5.46G	1M	AV	5.42392G	-58.17	-41.20	-16.97	5.00	0.00	-63.17	-65.74	-66.67
5.35G	5.46G	1M	AV	5.46G	-59.29	-41.20	-18.09	5.00	0.00	-64.29	-67.46	-67.14
5.46G	8G	1M	AV	7.40088G	-57.69	-41.20	-16.49	5.00	0.00	-62.69	-65.97	-65.45

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-PK

07/08/2019



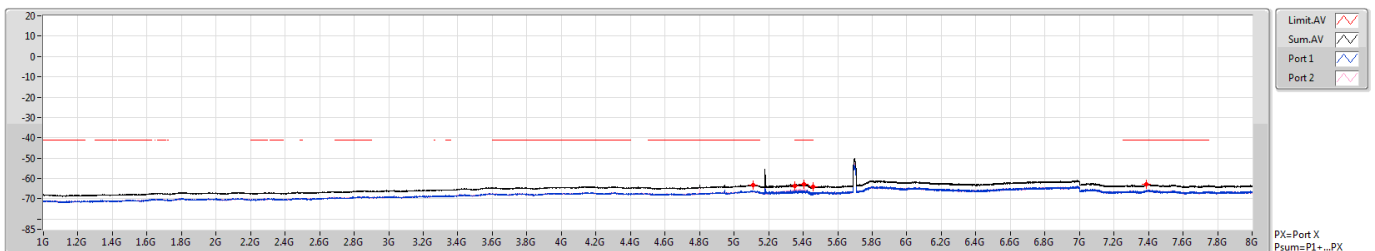
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-44.25	-27.00	-17.25	5.00	0.00	-49.25	-52.64	-51.91
1G	8G	1M	PK	5.466G	-47.75	-27.00	-20.75	5.00	0.00	-52.75	-55.48	-56.07
1G	8G	1M	PK	5.872G	-43.95	-27.00	-16.95	5.00	0.00	-48.95	-50.80	-53.55

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-AV

07/08/2019



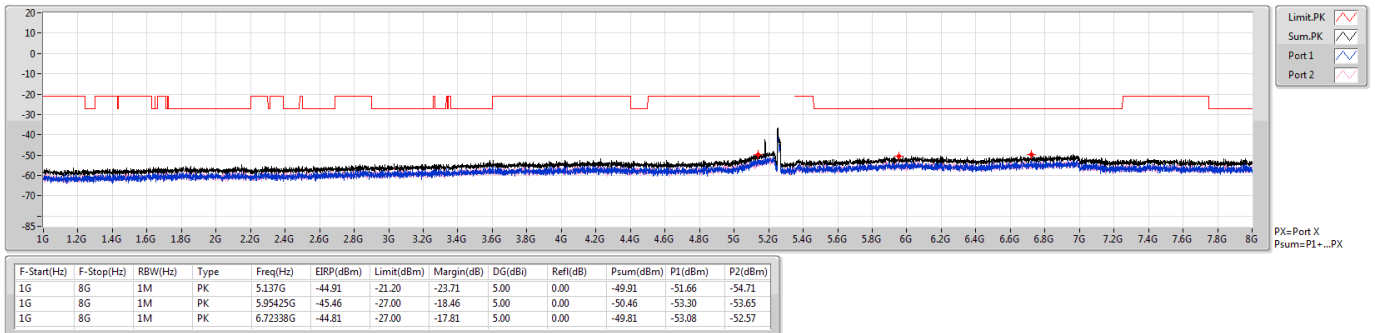
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.1085G	-58.18	-41.20	-16.98	5.00	0.00	-63.18	-66.07	-66.32
5.15G	5.35G	1M	AV	5.35G	-58.57	-41.20	-17.37	5.00	0.00	-63.57	-66.98	-66.22
5.35G	5.46G	1M	AV	5.405G	-57.82	-41.20	-16.62	5.00	0.00	-62.82	-66.12	-65.56
5.35G	5.46G	1M	AV	5.46G	-59.22	-41.20	-18.02	5.00	0.00	-64.22	-67.38	-67.08
5.46G	8G	1M	AV	7.38627G	-57.73	-41.20	-16.53	5.00	0.00	-62.73	-65.85	-65.64

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-PK

07/08/2019

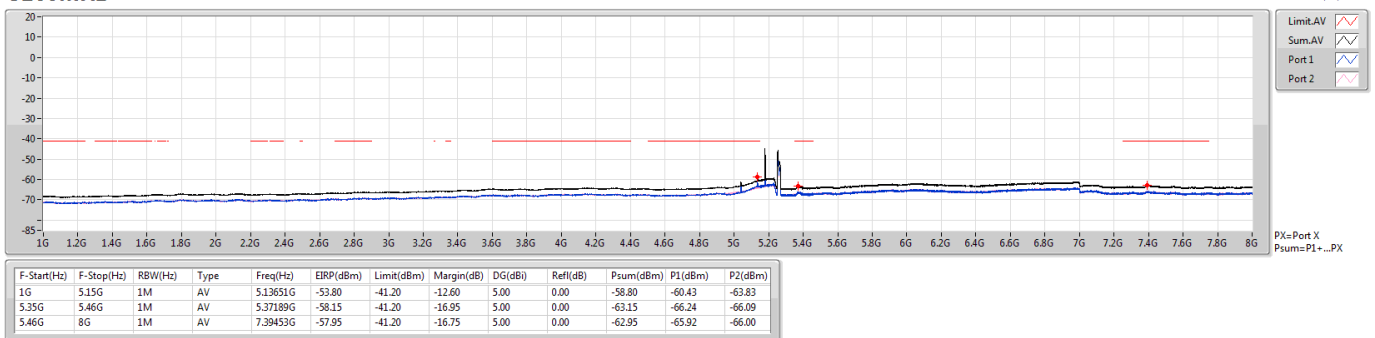


802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-AV

07/08/2019

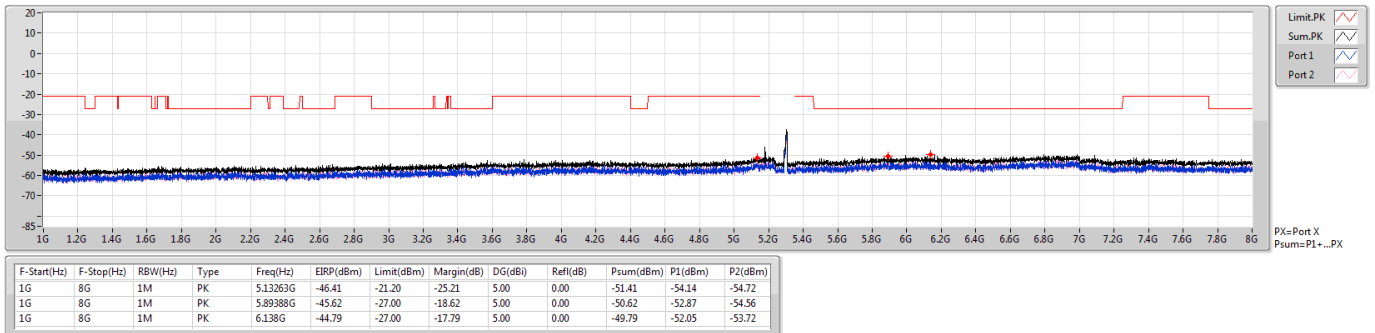


802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-PK

07/08/2019

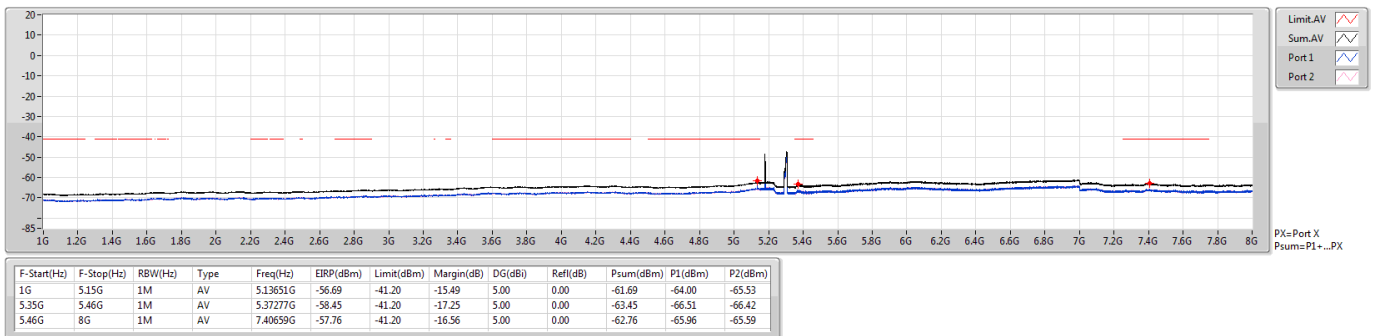


802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-AV

07/08/2019

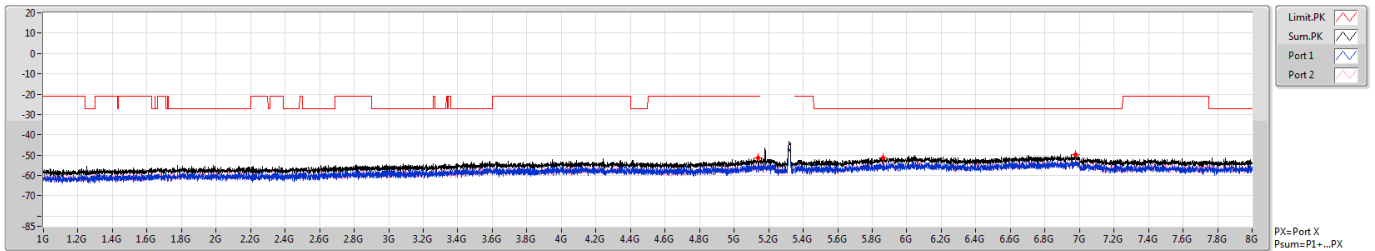


802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-PK

07/08/2019



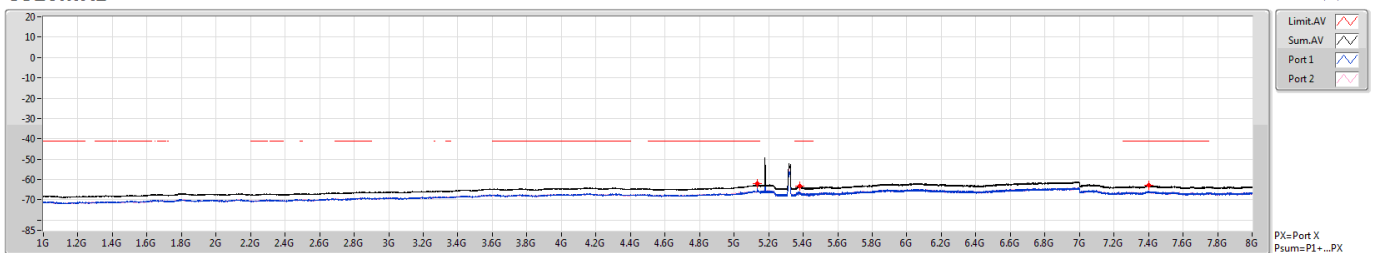
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.13875G	-46.57	-21.20	-25.37	5.00	0.00	-51.57	-56.36	-53.32
1G	8G	1M	PK	5.86325G	-46.22	-27.00	-19.22	5.00	0.00	-51.22	-53.31	-55.40
1G	8G	1M	PK	6.97713G	-44.55	-27.00	-17.55	5.00	0.00	-49.55	-53.87	-51.55

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-AV

07/08/2019



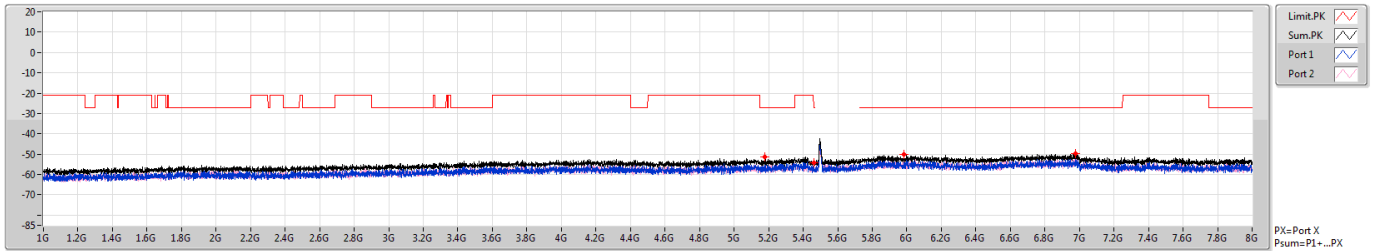
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.13651G	-56.93	-41.20	-15.73	5.00	0.00	-61.93	-64.26	-65.75
5.35G	5.46G	1M	AV	5.37838G	-58.40	-41.20	-17.20	5.00	0.00	-63.40	-66.32	-66.50
5.46G	8G	1M	AV	7.40024G	-57.87	-41.20	-16.67	5.00	0.00	-62.87	-65.79	-65.98

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz

CSE-PK

07/08/2019



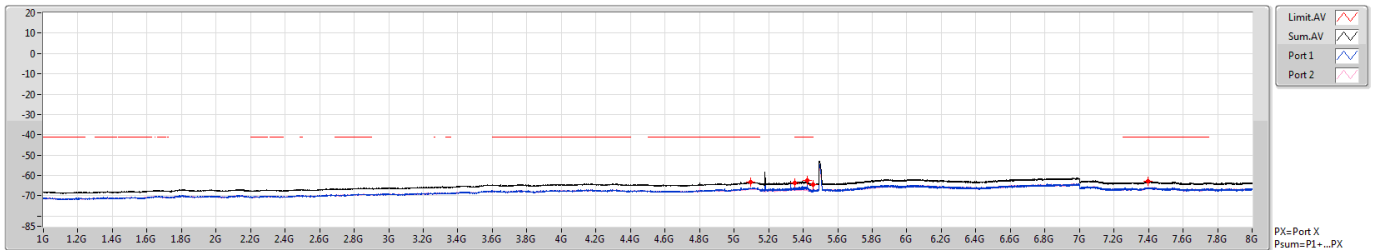
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-46.29	-27.00	-19.29	5.00	0.00	-51.29	-54.33	-54.27
1G	8G	1M	PK	5.46425G	-49.19	-27.00	-22.19	5.00	0.00	-54.19	-56.58	-57.93
1G	8G	1M	PK	5.98138G	-45.21	-27.00	-18.21	5.00	0.00	-50.21	-54.38	-52.31
1G	8G	1M	PK	6.978G	-44.60	-27.00	-17.60	5.00	0.00	-49.60	-51.45	-54.20

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz

CSE-AV

07/08/2019



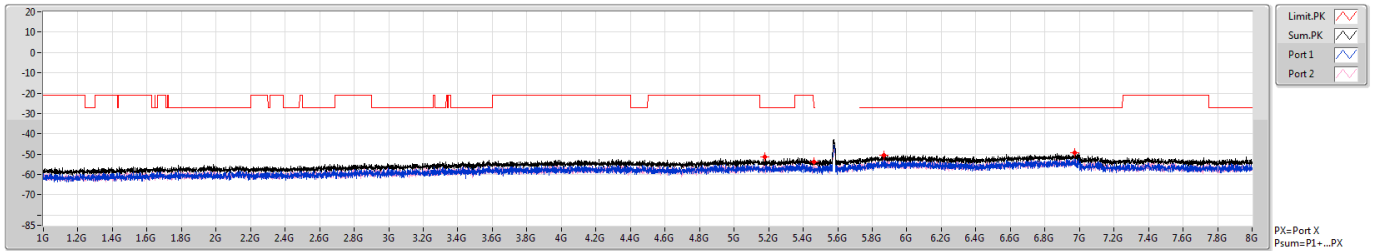
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.09501G	-58.32	-41.20	-17.12	5.00	0.00	-63.32	-66.20	-66.47
5.15G	5.35G	1M	AV	5.35G	-58.71	-41.20	-17.51	5.00	0.00	-63.71	-66.74	-66.71
5.35G	5.46G	1M	AV	5.42392G	-57.48	-41.20	-16.28	5.00	0.00	-62.48	-64.32	-67.10
5.35G	5.46G	1M	AV	5.46G	-59.35	-41.20	-18.15	5.00	0.00	-64.35	-67.28	-67.44
5.46G	8G	1M	AV	7.39643G	-57.98	-41.20	-16.78	5.00	0.00	-62.98	-66.28	-65.71

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

CSE-PK

07/08/2019



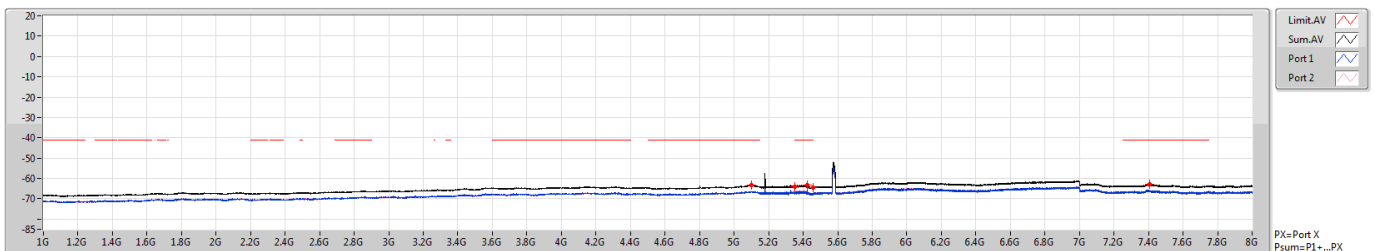
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1G	8G	1M	PK	5.17988G	-46.53	-27.00	-19.53	5.00	0.00	-51.53	-57.04	-52.97
1G	8G	1M	PK	5.46425G	-48.73	-27.00	-21.73	5.00	0.00	-53.73	-56.53	-56.97
1G	8G	1M	PK	5.86675G	-45.39	-27.00	-18.39	5.00	0.00	-50.39	-51.94	-55.62
1G	8G	1M	PK	6.9745G	-44.52	-27.00	-17.52	5.00	0.00	-49.52	-52.43	-52.64

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

CSE-AV

07/08/2019



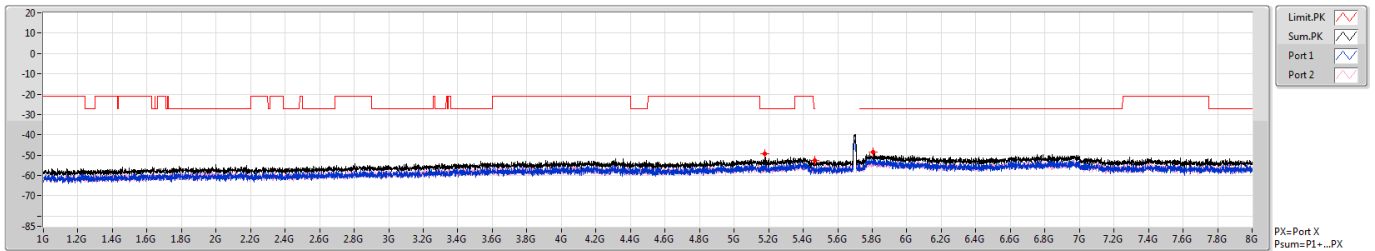
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.10124G	-58.41	-41.20	-17.21	5.00	0.00	-63.41	-66.43	-66.42
5.15G	5.35G	1M	AV	5.35G	-59.03	-41.20	-17.83	5.00	0.00	-64.03	-67.29	-66.81
5.35G	5.46G	1M	AV	5.42381G	-58.24	-41.20	-17.04	5.00	0.00	-63.24	-65.81	-66.73
5.35G	5.46G	1M	AV	5.46G	-59.52	-41.20	-18.32	5.00	0.00	-64.52	-67.54	-67.53
5.46G	8G	1M	AV	7.40564G	-57.94	-41.20	-16.74	5.00	0.00	-62.94	-66.26	-65.66

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

CSE-PK

07/08/2019



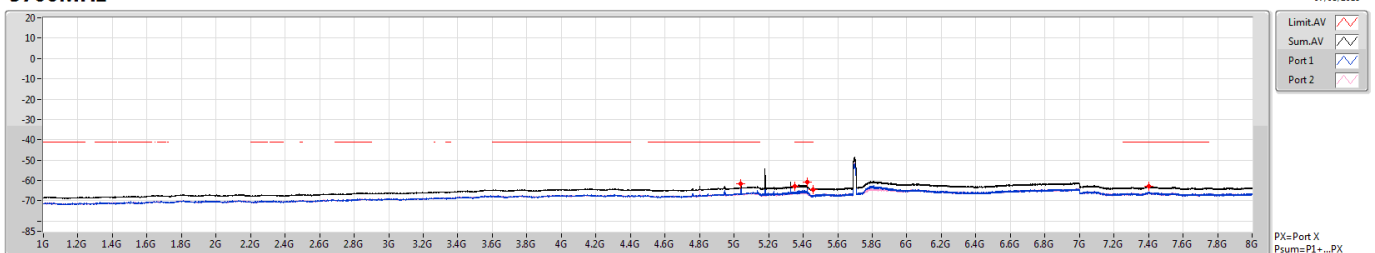
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-44.43	-27.00	-17.43	5.00	0.00	-49.43	-53.68	-51.47
1G	8G	1M	PK	5.46513G	-47.54	-27.00	-20.54	5.00	0.00	-52.54	-57.59	-54.17
1G	8G	1M	PK	5.80725G	-43.40	-27.00	-16.40	5.00	0.00	-48.40	-49.95	-53.61

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

CSE-AV

07/08/2019



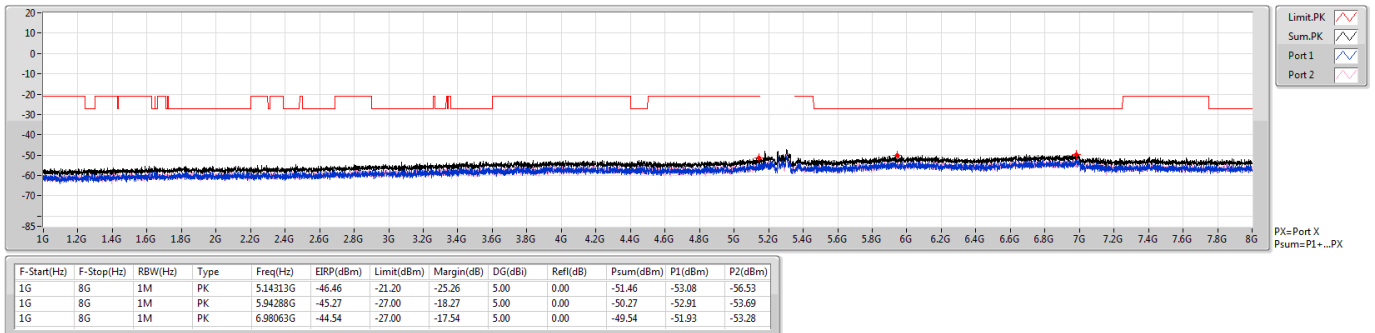
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	5.04003G	-56.56	-41.20	-15.36	5.00	0.00	-61.56	-63.27	-66.44
5.15G	5.35G	1M	AV	5.35G	-57.74	-41.20	-16.54	5.00	0.00	-62.74	-65.60	-65.91
5.35G	5.46G	1M	AV	5.42381G	-55.63	-41.20	-14.43	5.00	0.00	-60.63	-61.93	-66.51
5.35G	5.46G	1M	AV	5.46G	-59.65	-41.20	-18.45	5.00	0.00	-64.65	-67.60	-67.73
5.46G	8G	1M	AV	7.39961G	-57.95	-41.20	-16.75	5.00	0.00	-62.95	-65.74	-66.19

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

CSE-PK

07/08/2019



802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

CSE-AV

07/08/2019

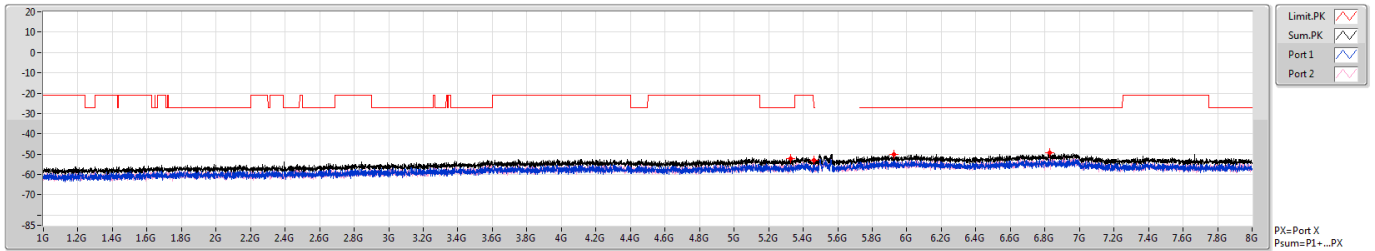


802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz

CSE-PK

07/08/2019

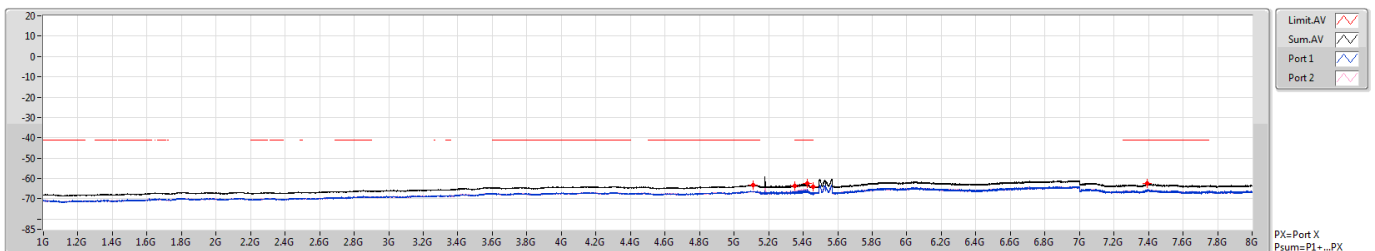
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Psum=P1+...PX

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz

CSE-AV

07/08/2019

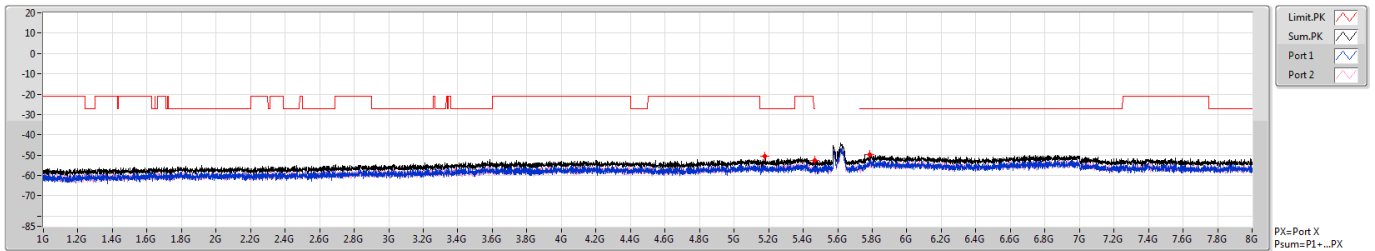
PX=Port X
Psum=P1+...PX

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

CSE-PK

07/08/2019



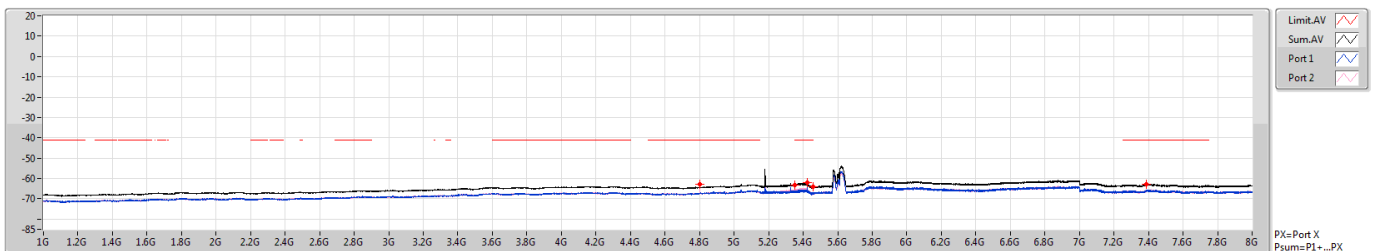
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.17988G	-45.50	-27.00	-18.50	5.00	0.00	-50.50	-55.60	-52.11
1G	8G	1M	PK	5.46513G	-47.48	-27.00	-20.48	5.00	0.00	-52.48	-55.08	-55.95
1G	8G	1M	PK	5.78538G	-44.54	-27.00	-17.54	5.00	0.00	-49.54	-51.12	-54.70

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz

CSE-AV

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.15G	1M	AV	4.80036G	-58.01	-41.20	-16.81	5.00	0.00	-63.01	-67.33	-65.01
5.15G	5.35G	1M	AV	5.35G	-58.09	-41.20	-16.89	5.00	0.00	-63.09	-66.72	-65.56
5.35G	5.46G	1M	AV	5.42381G	-57.08	-41.20	-15.88	5.00	0.00	-62.08	-64.61	-65.64
5.35G	5.46G	1M	AV	5.46G	-59.10	-41.20	-17.90	5.00	0.00	-64.10	-67.32	-66.91
5.46G	8G	1M	AV	7.38754G	-57.67	-41.20	-16.47	5.00	0.00	-62.67	-65.82	-65.54

For EUT 1 + Ant. 2: Harmonic: 8~40GHz
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)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	8G	40G	AV	39.799G	5.00	-74.48	-74.19	-71.32	-66.32	-41.20	-25.12
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.631G	5.00	-74.57	-74.44	-71.49	-66.49	-41.20	-25.29
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.589G	5.00	-74.26	-74.17	-71.20	-66.20	-41.20	-25.00
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	8G	40G	AV	39.586G	5.00	-74.20	-74.60	-71.39	-66.39	-41.20	-25.19
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.816G	5.00	-74.21	-74.31	-71.25	-66.25	-41.20	-25.05
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	8G	40G	AV	39.601G	5.00	-74.51	-73.90	-71.18	-66.18	-41.20	-24.98

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	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8G	40G	AV	39.799G	5.00	-74.48	-74.19	-71.32	-66.32	-41.20	-25.12
5260MHz	Pass	8G	40G	PK	10.524G	5.00	-73.46	-76.02	-71.54	-66.54	-27.00	-39.54
5260MHz	Pass	8G	40G	PK	38.464G	5.00	-65.20	-65.67	-62.42	-57.42	-27.00	-30.42
5300MHz	Pass	8G	40G	AV	10.604G	5.00	-83.90	-83.77	-80.82	-75.82	-41.20	-34.62
5300MHz	Pass	8G	40G	AV	39.632G	5.00	-74.77	-74.17	-71.45	-66.45	-41.20	-25.25
5300MHz	Pass	8G	40G	PK	10.592G	5.00	-75.44	-75.55	-72.48	-67.48	-27.00	-40.48
5300MHz	Pass	8G	40G	PK	38.528G	5.00	-65.57	-66.32	-62.92	-57.92	-27.00	-30.92
5320MHz	Pass	8G	40G	AV	10.632G	5.00	-83.63	-83.36	-80.48	-75.48	-41.20	-34.28
5320MHz	Pass	8G	40G	AV	39.815G	5.00	-74.22	-74.66	-71.42	-66.42	-41.20	-25.22
5320MHz	Pass	8G	40G	PK	10.648G	5.00	-73.52	-73.07	-70.28	-65.28	-21.20	-44.08
5320MHz	Pass	8G	40G	PK	37.66G	5.00	-67.19	-64.15	-62.40	-57.40	-27.00	-30.40
5500MHz	Pass	8G	40G	AV	11.005G	5.00	-84.86	-84.36	-81.59	-76.59	-41.20	-35.39
5500MHz	Pass	8G	40G	AV	39.808G	5.00	-74.29	-74.56	-71.41	-66.41	-41.20	-25.21
5500MHz	Pass	8G	40G	PK	10.996G	5.00	-75.05	-74.83	-71.93	-66.93	-21.20	-45.73
5500MHz	Pass	8G	40G	PK	38.532G	5.00	-66.23	-66.52	-63.36	-58.36	-27.00	-31.36
5580MHz	Pass	8G	40G	AV	11.167G	5.00	-84.71	-84.11	-81.39	-76.39	-41.20	-35.19
5580MHz	Pass	8G	40G	AV	39.586G	5.00	-74.20	-74.60	-71.39	-66.39	-41.20	-25.19
5580MHz	Pass	8G	40G	PK	11.152G	5.00	-75.80	-75.20	-72.48	-67.48	-21.20	-46.28
5580MHz	Pass	8G	40G	PK	38.432G	5.00	-67.17	-66.08	-63.58	-58.58	-27.00	-31.58
5700MHz	Pass	8G	40G	AV	11.397G	5.00	-83.97	-83.94	-80.94	-75.94	-41.20	-34.74
5700MHz	Pass	8G	40G	AV	39.595G	5.00	-74.64	-74.26	-71.44	-66.44	-41.20	-25.24
5700MHz	Pass	8G	40G	PK	11.396G	5.00	-74.02	-75.24	-71.58	-66.58	-21.20	-45.38
5700MHz	Pass	8G	40G	PK	38.464G	5.00	-67.84	-65.31	-63.38	-58.38	-27.00	-31.38
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8G	40G	AV	39.631G	5.00	-74.57	-74.44	-71.49	-66.49	-41.20	-25.29
5260MHz	Pass	8G	40G	PK	10.52G	5.00	-74.41	-75.83	-72.05	-67.05	-27.00	-40.05
5260MHz	Pass	8G	40G	PK	38.32G	5.00	-65.61	-67.16	-63.31	-58.31	-27.00	-31.31
5300MHz	Pass	8G	40G	AV	10.607G	5.00	-84.16	-83.89	-81.01	-76.01	-41.20	-34.81
5300MHz	Pass	8G	40G	AV	39.819G	5.00	-74.50	-74.63	-71.55	-66.55	-41.20	-25.35
5300MHz	Pass	8G	40G	PK	10.596G	5.00	-73.31	-74.54	-70.87	-65.87	-27.00	-38.87
5300MHz	Pass	8G	40G	PK	38.592G	5.00	-69.02	-64.40	-63.11	-58.11	-27.00	-31.11
5320MHz	Pass	8G	40G	AV	10.634G	5.00	-84.05	-83.54	-80.78	-75.78	-41.20	-34.58
5320MHz	Pass	8G	40G	AV	39.799G	5.00	-74.59	-74.53	-71.55	-66.55	-41.20	-25.35
5320MHz	Pass	8G	40G	PK	10.644G	5.00	-73.60	-73.01	-70.28	-65.28	-21.20	-44.08
5320MHz	Pass	8G	40G	PK	38.444G	5.00	-66.05	-66.68	-63.34	-58.34	-27.00	-31.34
5500MHz	Pass	8G	40G	AV	11.003G	5.00	-84.74	-85.23	-81.97	-76.97	-41.20	-35.77
5500MHz	Pass	8G	40G	AV	39.816G	5.00	-74.21	-74.31	-71.25	-66.25	-41.20	-25.05
5500MHz	Pass	8G	40G	PK	11G	5.00	-75.32	-75.54	-72.42	-67.42	-21.20	-46.22
5500MHz	Pass	8G	40G	PK	38.332G	5.00	-64.07	-67.69	-62.50	-57.50	-27.00	-30.50
5580MHz	Pass	8G	40G	AV	11.157G	5.00	-84.58	-84.53	-81.54	-76.54	-41.20	-35.34
5580MHz	Pass	8G	40G	AV	39.6G	5.00	-74.37	-74.60	-71.47	-66.47	-41.20	-25.27
5580MHz	Pass	8G	40G	PK	11.16G	5.00	-73.99	-76.28	-71.98	-66.98	-21.20	-45.78
5580MHz	Pass	8G	40G	PK	38.556G	5.00	-65.55	-65.96	-62.74	-57.74	-27.00	-30.74
5700MHz	Pass	8G	40G	AV	11.392G	5.00	-83.81	-83.99	-80.89	-75.89	-41.20	-34.69
5700MHz	Pass	8G	40G	AV	39.599G	5.00	-74.72	-74.25	-71.47	-66.47	-41.20	-25.27
5700MHz	Pass	8G	40G	PK	11.408G	5.00	-73.69	-74.85	-71.22	-66.22	-21.20	-45.02
5700MHz	Pass	8G	40G	PK	38.456G	5.00	-66.23	-65.32	-62.74	-57.74	-27.00	-30.74
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	8G	40G	AV	10.604G	5.00	-83.93	-83.48	-80.69	-75.69	-41.20	-34.49
5290MHz	Pass	8G	40G	AV	39.589G	5.00	-74.26	-74.17	-71.20	-66.20	-41.20	-25.00
5290MHz	Pass	8G	40G	PK	10.56G	5.00	-73.27	-74.06	-70.64	-65.64	-27.00	-38.64
5290MHz	Pass	8G	40G	PK	38.544G	5.00	-67.55	-65.18	-63.19	-58.19	-27.00	-31.19

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)
5530MHz	Pass	8G	40G	AV	11.049G	5.00	-84.32	-84.80	-81.54	-76.54	-41.20	-35.34
5530MHz	Pass	8G	40G	AV	39.818G	5.00	-74.26	-74.35	-71.29	-66.29	-41.20	-25.09
5530MHz	Pass	8G	40G	PK	11.064G	5.00	-72.44	-74.52	-70.35	-65.35	-21.20	-44.15
5530MHz	Pass	8G	40G	PK	38.48G	5.00	-66.50	-65.63	-63.03	-58.03	-27.00	-31.03
5610MHz	Pass	8G	40G	AV	11.232G	5.00	-83.55	-83.07	-80.29	-75.29	-41.20	-34.09
5610MHz	Pass	8G	40G	AV	39.601G	5.00	-74.51	-73.90	-71.18	-66.18	-41.20	-24.98
5610MHz	Pass	8G	40G	PK	11.216G	5.00	-73.65	-72.84	-70.22	-65.22	-21.20	-44.02
5610MHz	Pass	8G	40G	PK	37.552G	5.00	-68.07	-64.63	-63.01	-58.01	-27.00	-31.01

DG = Directional Gain;

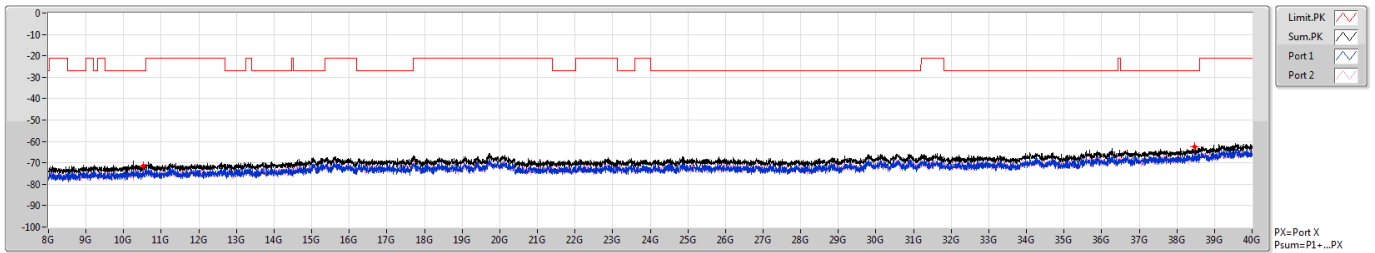
PX=Port X; Psum=P1+.P2+...PX

802.11a_Nss1,(6Mbps)_2TX

5260MHz

CSE-PK

07/08/2019



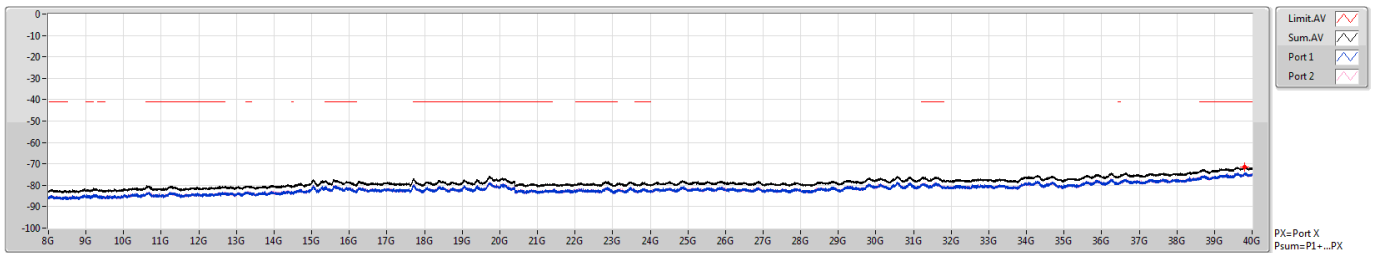
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8G	40G	1M	PK	10.524G	-66.54	-27.00	-39.54	5.00	0.00	-71.54	-73.46	-76.02
8G	40G	1M	PK	38.464G	-57.42	-27.00	-30.42	5.00	0.00	-62.42	-65.20	-65.67

802.11a_Nss1,(6Mbps)_2TX

5260MHz

CSE-AV

07/08/2019



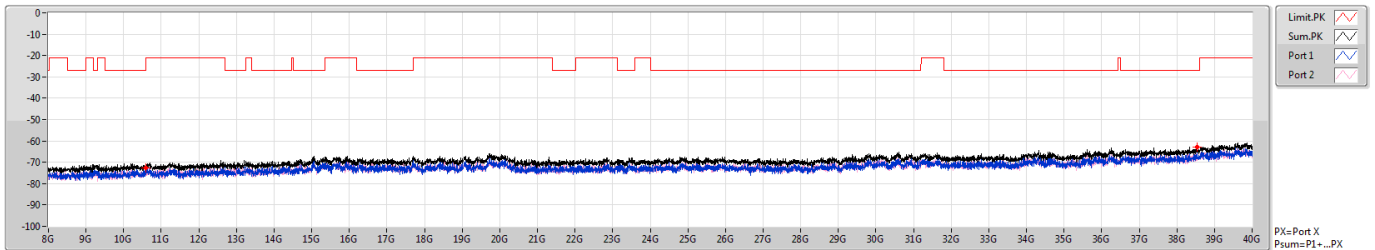
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8G	40G	1M	AV	39.799G	-66.32	-41.20	-25.12	5.00	0.00	-71.32	-74.48	-74.19

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-PK

07/08/2019



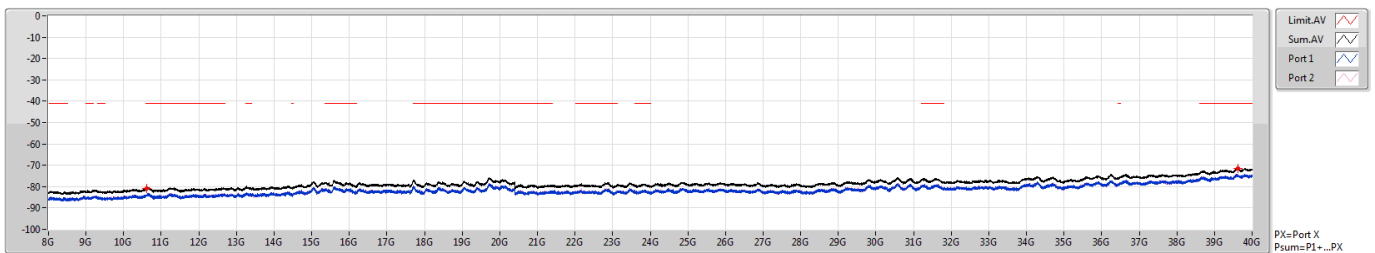
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8G	40G	1M	PK	10.592G	-67.48	-27.00	-40.48	5.00	0.00	-72.48	-75.44	-75.55
8G	40G	1M	PK	38.528G	-57.92	-27.00	-30.92	5.00	0.00	-62.92	-65.57	-66.32

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-AV

07/08/2019



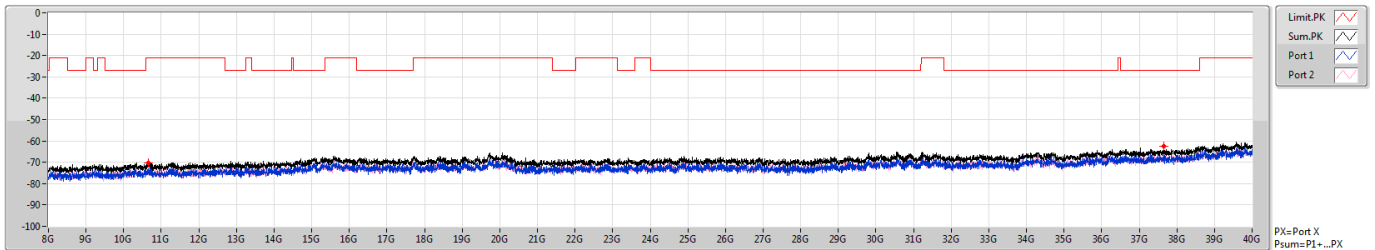
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8G	40G	1M	AV	10.604G	-75.82	-41.20	-34.62	5.00	0.00	-80.82	-83.90	-83.77
8G	40G	1M	AV	39.632G	-66.45	-41.20	-25.25	5.00	0.00	-71.45	-74.77	-74.17

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-PK

07/08/2019



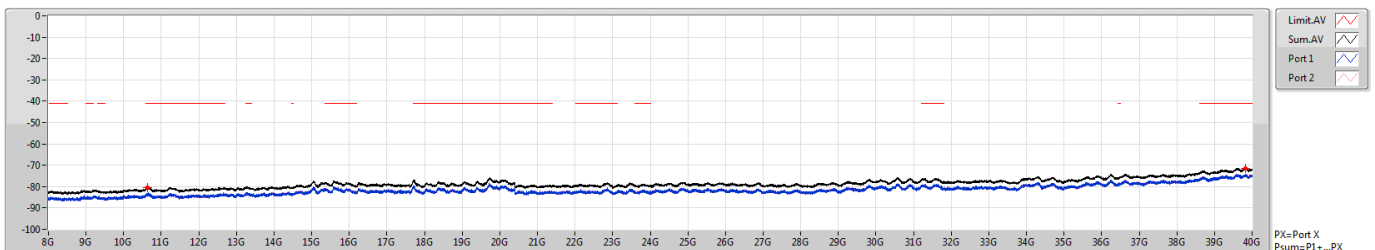
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8G	40G	1M	PK	10.648G	-65.28	-21.20	-44.08	5.00	0.00	-70.28	-73.52	-73.07
8G	40G	1M	PK	37.66G	-57.40	-27.00	-30.40	5.00	0.00	-62.40	-67.19	-64.15

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-AV

07/08/2019



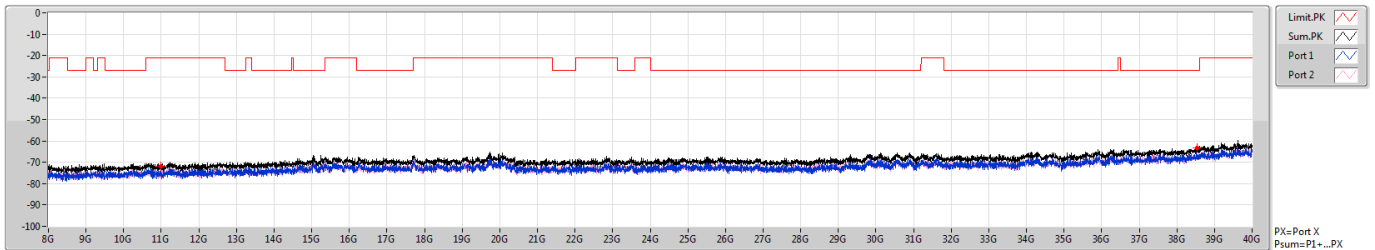
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	10.632G	-75.48	-41.20	-34.28	5.00	0.00	-80.48	-83.63	-83.36
8G	40G	1M	AV	39.815G	-66.42	-41.20	-25.22	5.00	0.00	-71.42	-74.22	-74.66

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-PK

07/08/2019



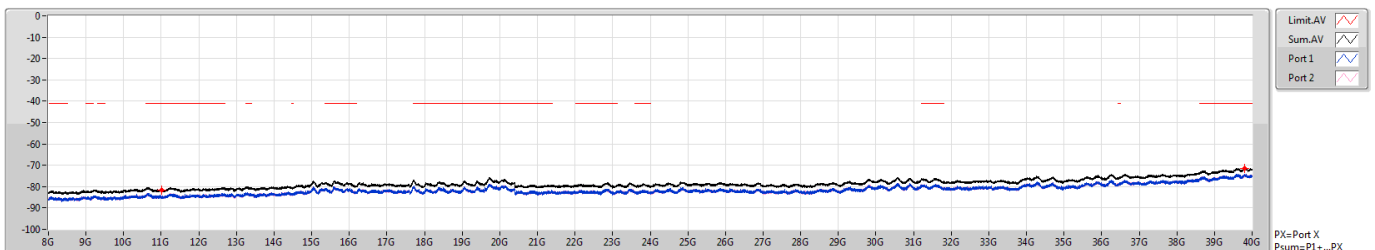
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.996G	-66.93	-21.20	-45.73	5.00	0.00	-71.93	-75.05	-74.83
8G	40G	1M	PK	38.532G	-58.36	-27.00	-31.36	5.00	0.00	-63.36	-66.23	-66.52

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-AV

07/08/2019



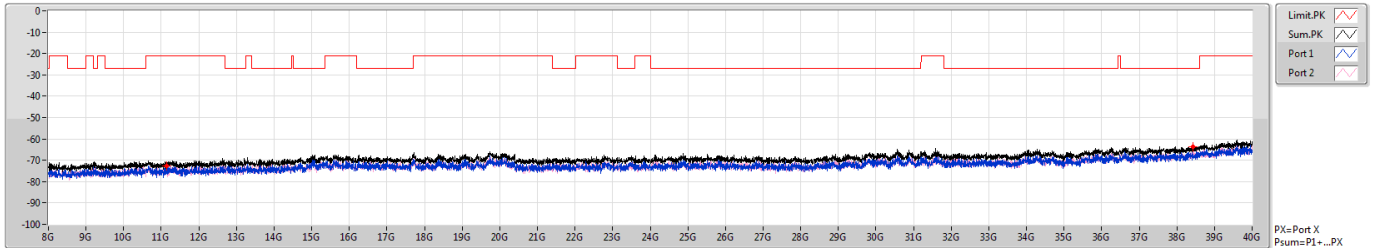
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.005G	-76.59	-41.20	-35.39	5.00	0.00	-81.59	-84.86	-84.36
8G	40G	1M	AV	39.808G	-66.41	-41.20	-25.21	5.00	0.00	-71.41	-74.29	-74.56

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-PK

07/08/2019



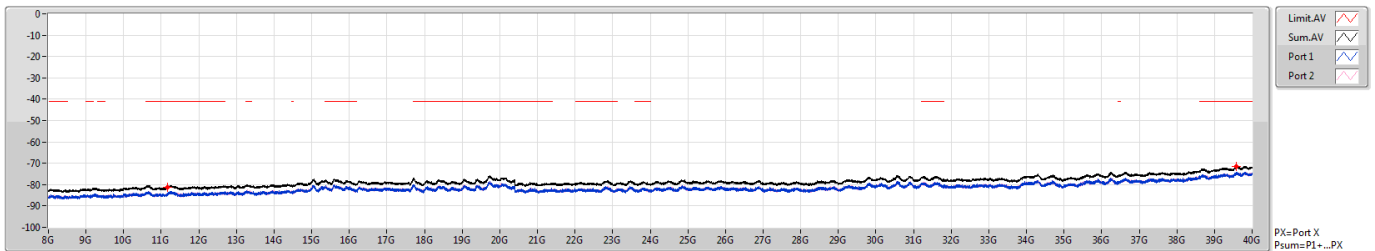
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.152G	-67.48	-21.20	-46.28	5.00	0.00	-72.48	-75.80	-75.20
8G	40G	1M	PK	38.432G	-58.58	-27.00	-31.58	5.00	0.00	-63.58	-67.17	-66.08

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-AV

07/08/2019



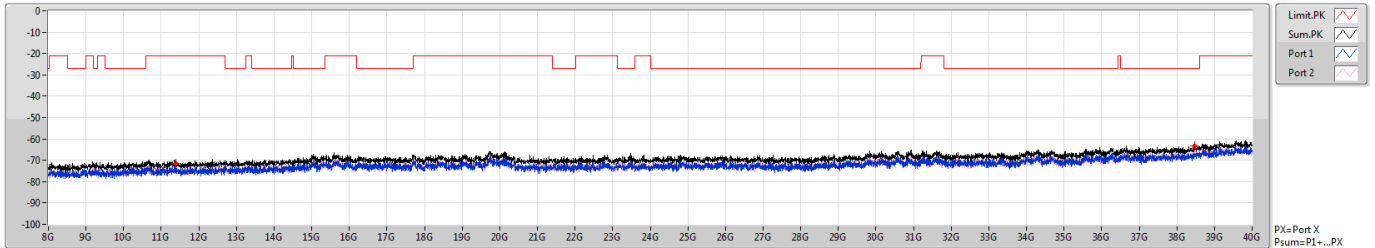
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.167G	-76.39	-41.20	-35.19	5.00	0.00	-81.39	-84.71	-84.11
8G	40G	1M	AV	39.586G	-66.39	-41.20	-25.19	5.00	0.00	-71.39	-74.20	-74.60

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-PK

07/08/2019



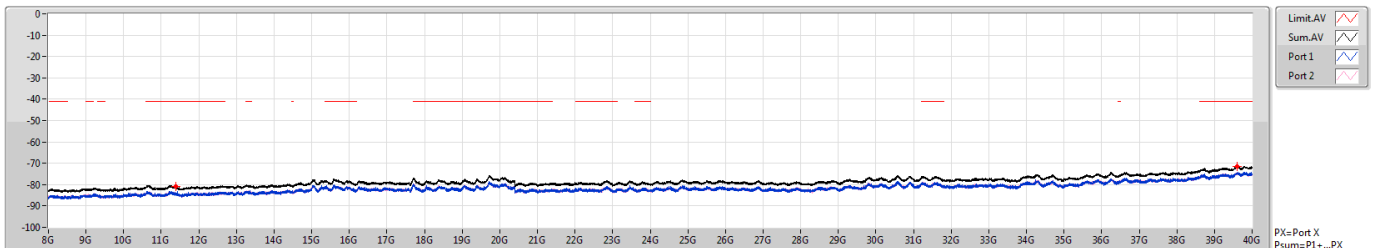
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8G	40G	1M	PK	11.396G	-66.58	-21.20	-45.38	5.00	0.00	-71.58	-74.02	-75.24
8G	40G	1M	PK	38.464G	-58.38	-27.00	-31.38	5.00	0.00	-63.38	-67.84	-65.31

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-AV

07/08/2019



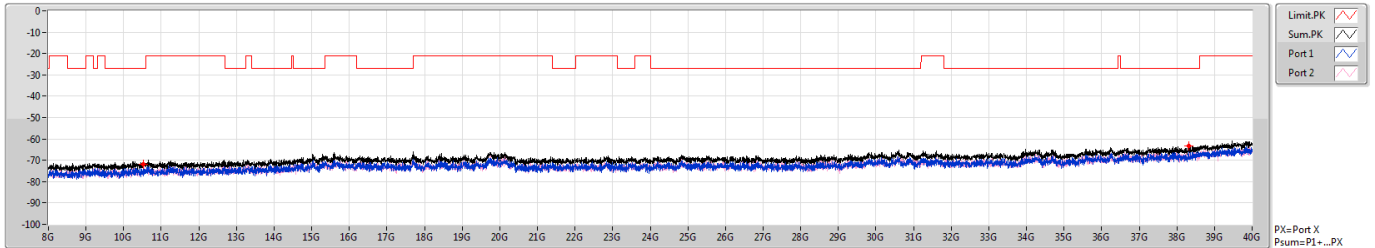
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8G	40G	1M	AV	11.397G	-75.94	-41.20	-34.74	5.00	0.00	-80.94	-83.97	-83.94
8G	40G	1M	AV	39.595G	-66.44	-41.20	-25.24	5.00	0.00	-71.44	-74.64	-74.26

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-PK

07/08/2019



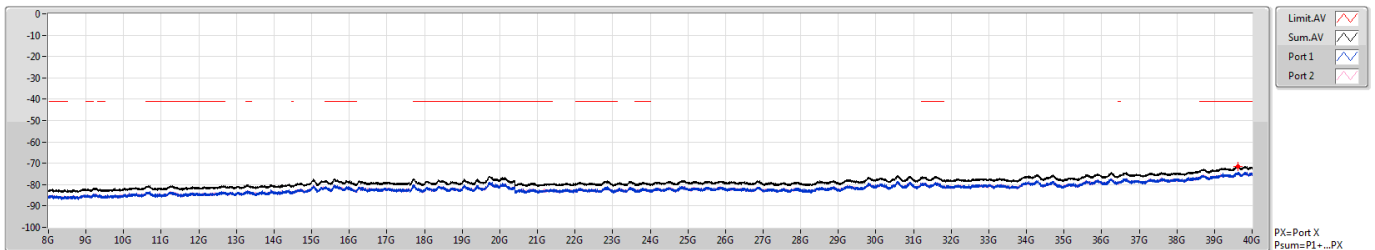
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8G	40G	1M	PK	10.52G	-67.05	-27.00	-40.05	5.00	0.00	-72.05	-74.41	-75.83
8G	40G	1M	PK	39.32G	-58.31	-27.00	-31.31	5.00	0.00	-63.31	-65.61	-67.16

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

CSE-AV

07/08/2019



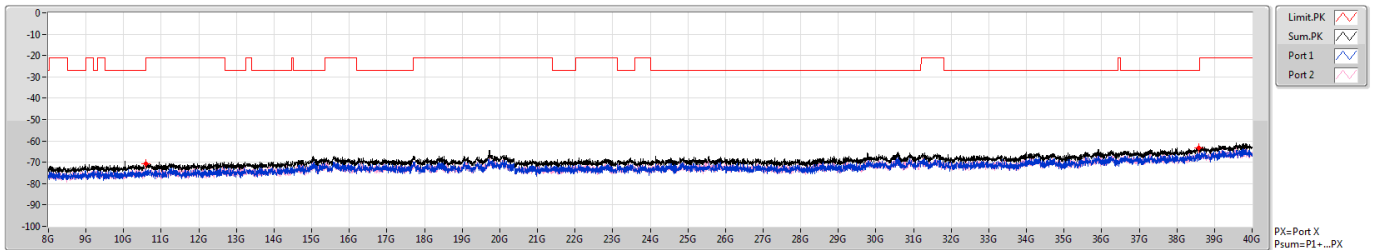
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8G	40G	1M	AV	39.631G	-66.49	-41.20	-25.29	5.00	0.00	-71.49	-74.57	-74.44

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-PK

07/08/2019



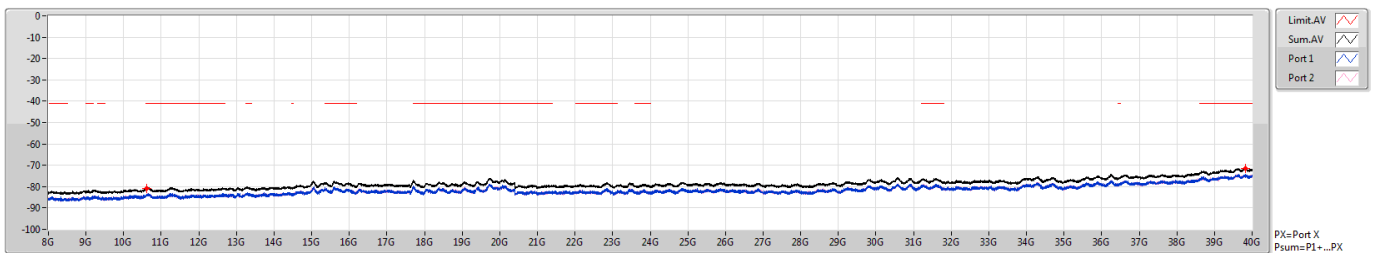
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8G	40G	1M	PK	10.596G	-65.87	-27.00	-38.87	5.00	0.00	-70.87	-73.31	-74.54
8G	40G	1M	PK	38.592G	-58.11	-27.00	-31.11	5.00	0.00	-63.11	-69.02	-64.40

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

CSE-AV

07/08/2019



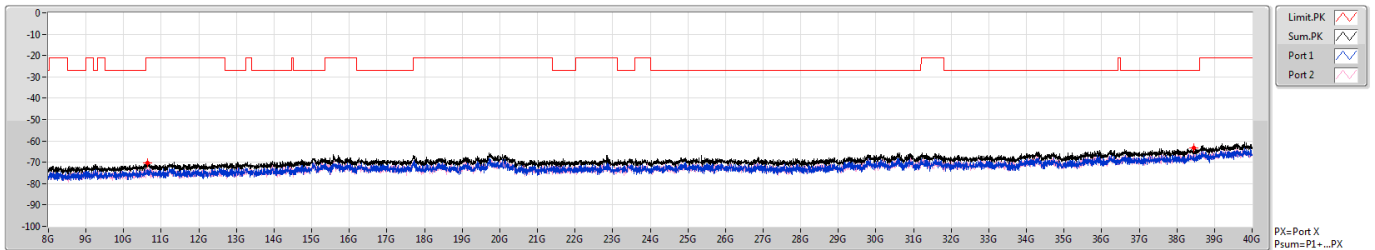
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	10.607G	-76.01	-41.20	-34.81	5.00	0.00	-81.01	-84.16	-83.89
8G	40G	1M	AV	39.819G	-66.55	-41.20	-25.35	5.00	0.00	-71.55	-74.50	-74.63

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-PK

07/08/2019



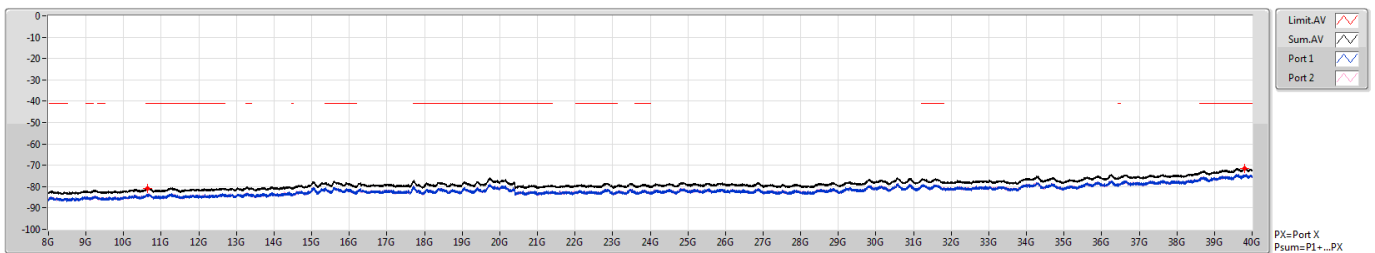
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	10.644G	-65.28	-21.20	-44.08	5.00	0.00	-70.28	-73.60	-73.01
8G	40G	1M	PK	38.444G	-58.34	-27.00	-31.34	5.00	0.00	-63.34	-66.05	-66.68

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

CSE-AV

07/08/2019



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	10.634G	-75.78	-41.20	-34.58	5.00	0.00	-80.78	-84.05	-83.54
8G	40G	1M	AV	39.799G	-66.55	-41.20	-25.35	5.00	0.00	-71.55	-74.59	-74.53