



FCC RADIO TEST REPORT

FCC ID : Z8H89FT0062
Equipment : ePMP 5 GHz Force 425 SM/ePMP 5 GHz Force 400C
Brand Name : Cambium Networks
Model Name : ePMP 5 GHz Force 425 SM/ePMP 5 GHz Force 400C
Model Number : C058940P102A
C058940P122A
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 Jul. 29, 2020, and testing was started from Aug. 13, 2020 and completed on Sep. 03, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this 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: Sam Chen

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



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TEL : 886-3-656-9065
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Report Template No.: CB-A12_1 Ver1.2



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(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:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. 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: Wendy Pan



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5720	100-140 [9]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-134 [4]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5690	106-138 [2]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX



Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40 and HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1, 2	Cambium	1234A0002248A	Dish Antenna	Reversed-SMA	28
2	1, 2	Cambium	1234A0002247A	Dish Antenna	Reversed-SMA	25
3	1, 2	Cambium	APAMS-121	Dipole Antenna	Reversed-SMA	2

Note: The above information was declared by manufacturer.

The EUT has three set antennas.

Because Ant.1 & Ant.2 are the same type antennas, only the highest gain antenna "Ant.1" was tested.

The EUT has two modes, one is A0 mode can be transmitting/receiving (2TX/2RX) and the other is A1 mode can be receiving (2RX) only.

For 5GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.926	0.33	1.434m	1k
802.11ax HEW20	0.887	0.52	5.448m	300
802.11ax HEW40	0.959	0.18	5.448m	300
802.11ax HEW80	0.957	0.19	5.445m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Weather Band	☐	With 5600~5650MHz	☒	Without 5600~5650MHz
TPC Function	☒	With TPC	☐	Without TPC
Function	☐	Outdoor P2M	☐	Indoor P2M
	☒	Fixed P2P	☐	Client
Test Software Version	QSPR V5.0-00188			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The EUT has two equipment and model names which are identical to each other in all aspects except for the following table:

Equipment Name / Model Name	Model Number	Description
ePMP 5 GHz Force 425 SM	C058940P102A	All the models are identical, the difference equipment and model name as marketing strategy.
ePMP 5 GHz Force 400C	C058940P122A	

Note: 1.From the above models, ePMP 5 GHz Force 425 SM was selected as representative model for the test and its data was recorded in this report.
2.The above information was declared by manufacturer.

1.1.6 Table for EUT Function

EUT	GPS Function	WIFI Function
1	V	V
2	X	V

From the above EUTs, 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: FR9D0424-01
Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Adding 5GHz band 2 and band 3 (5250~5350 MHz, 5470~5725 MHz) for this device, and it has the straddle channels (5690 MHz, 5710 MHz and 5720MHz).	1. Emission Bandwidth. 2. Maximum Conducted Output Power. 3. Peak Power Spectral Density. 4. Unwanted Emissions Above 1GHz.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Owen Hsu	25.4-26.7°C / 51-53 %	Aug. 15, 2020 ~ Aug. 19, 2020
Radiated (Cabinet Ant.1 test)	03CH06-CB	Stim Sung	24.5-25.4°C / 54-58%	Sep. 03, 2020
Radiated (Cabinet Ant.3 test)	03CH06-CB	Stim Sung	24.1-25.8°C / 54-56%	Aug. 13, 2020 ~ Aug. 21, 2020

Test site Designation No. TW0006 with FCC

Test site registered number IC 4086D with Industry Canada.

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.6 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.39%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Ant. 1:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	-2
5300MHz	-2
5320MHz	-2
5500MHz	-2.5
5580MHz	-2.5
5700MHz	-2.5
5720MHz Straddle 5.47-5.725GHz	-2.5
5720MHz Straddle 5.725-5.85GHz	-2.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	-1.5
5300MHz	-1.5
5320MHz	-2
5500MHz	-2
5580MHz	-2
5700MHz	-2
5720MHz Straddle 5.47-5.725GHz	-2
5720MHz Straddle 5.725-5.85GHz	-2
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	-2
5310MHz	-2
5510MHz	-2
5550MHz	-2
5670MHz	-2.5
5710MHz Straddle 5.47-5.725GHz	-2
5710MHz Straddle 5.725-5.85GHz	-2
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	-1.5
5530MHz	-2
5690MHz Straddle 5.47-5.725GHz	-2
5690MHz Straddle 5.725-5.85GHz	-2

**For Ant. 3:**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	20.5
5300MHz	20
5320MHz	20
5500MHz	20
5580MHz	20
5700MHz	21
5720MHz Straddle 5.47-5.725GHz	21
5720MHz Straddle 5.725-5.85GHz	21
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	20.5
5300MHz	20
5320MHz	20
5500MHz	20
5580MHz	20.5
5700MHz	21
5720MHz Straddle 5.47-5.725GHz	21
5720MHz Straddle 5.725-5.85GHz	21
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	20.5
5310MHz	18
5510MHz	20.5
5550MHz	20.5
5670MHz	21
5710MHz Straddle 5.47-5.725GHz	21.5
5710MHz Straddle 5.725-5.85GHz	21.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	18
5530MHz	20
5690MHz Straddle 5.47-5.725GHz	21
5690MHz Straddle 5.725-5.85GHz	21



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 with Ant.1
2	EUT 1 with Ant.3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Conducted measurement at transmit chains
1	EUT 1 with Ant.1
2	EUT 1 with Ant.3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position: 1.For Ant.1 antenna: The worst case was found at Z axis, so the measurement will follow this same test configuration. 2.For Ant.3 antenna: The worst case was found at X axis, so the measurement will follow this same test configuration.
1	EUT 1 in Z axis with Ant.1
2	EUT 1 in X axis with Ant.3 (cabinet)

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

Equipment	Brand Name	Model Name	FCC ID
PoE	Cambium	NET-P30-56IN	N/A



2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

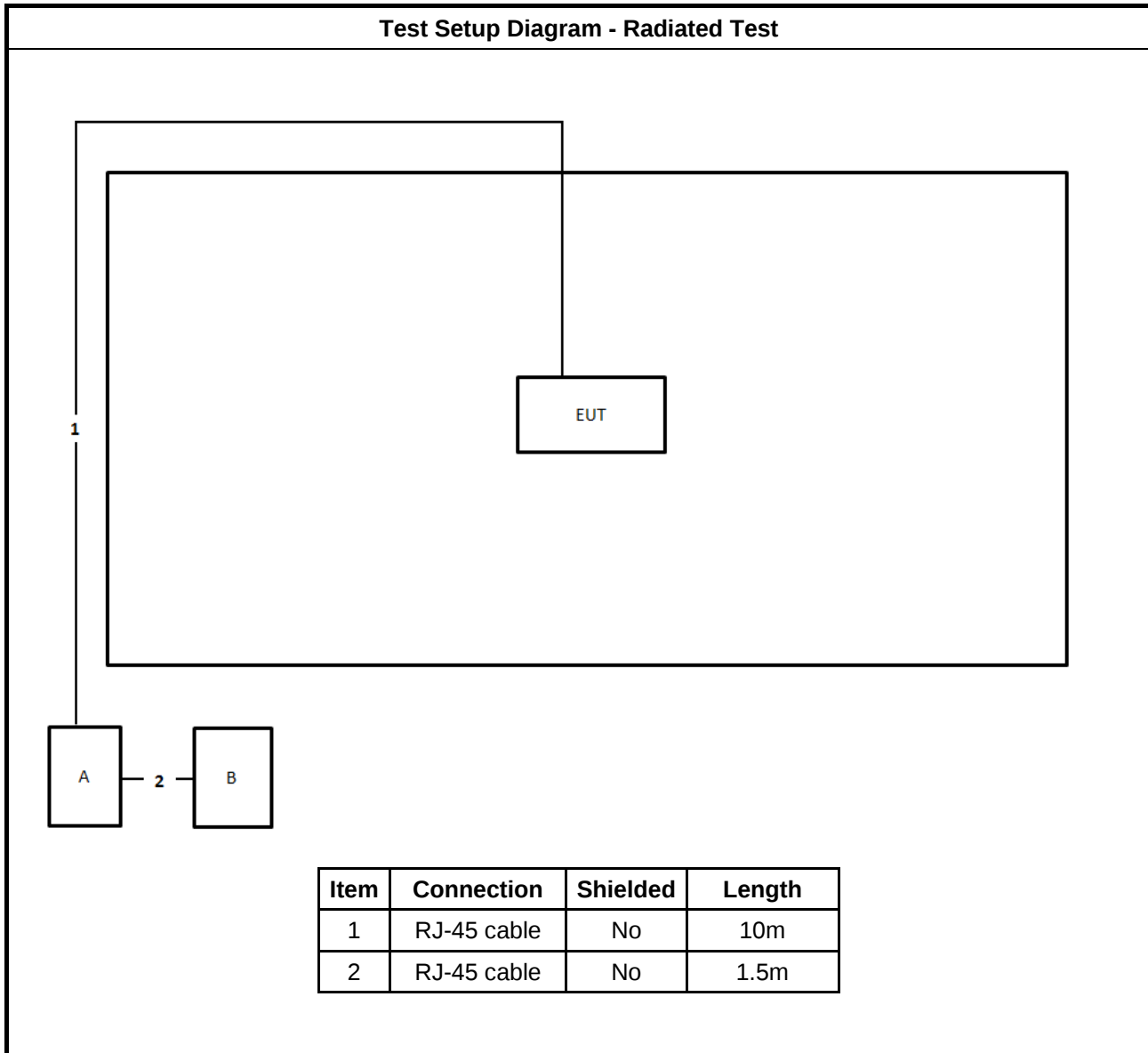
2.4 Accessories

N/A

2.5 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Cambium Networks	NET-P30-56IN	N/A
B	Notebook	DELL	E4300	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.

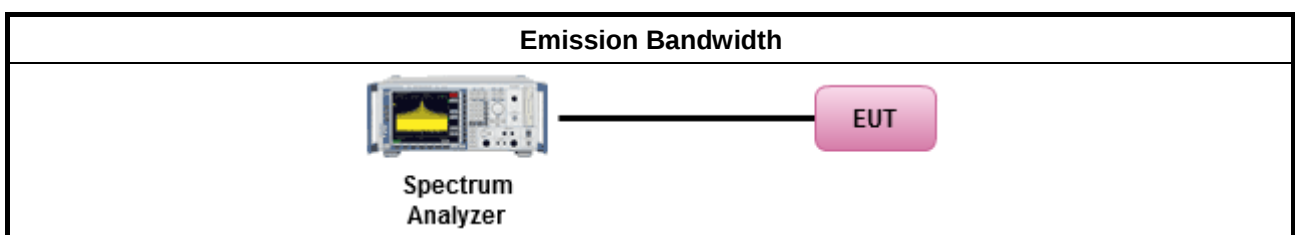
3.1.2 Measuring Instruments

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 $11 \text{ dBm} + 10 \log B$, 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 $11 \text{ dBm} + 10 \log B$, 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

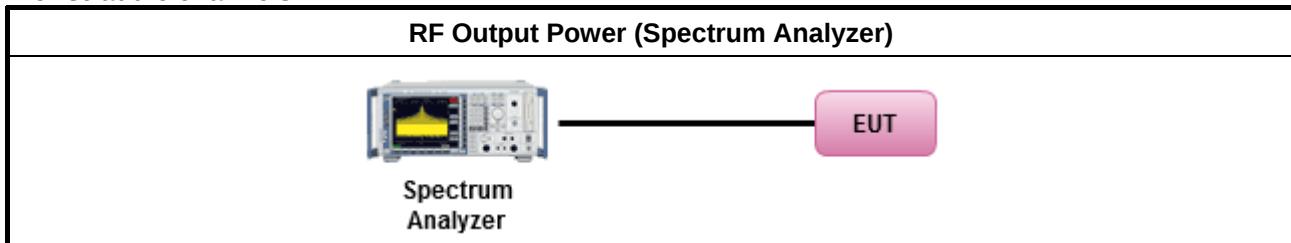
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

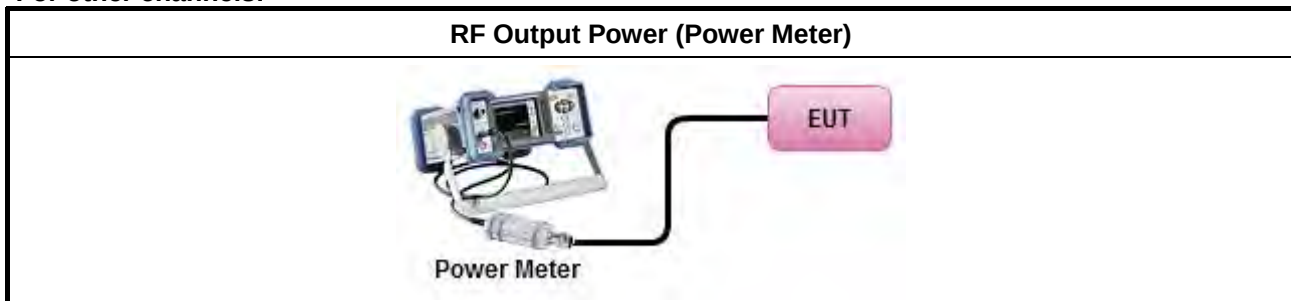
Test Method	
Maximum Conducted Output Power	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off 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

For straddle channels:



For other channels:



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.	

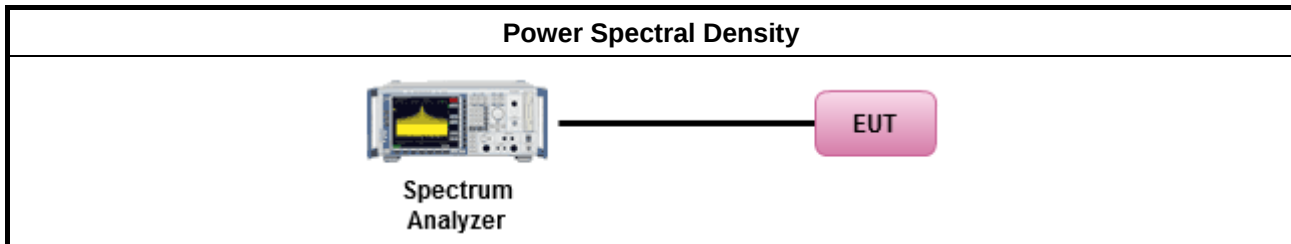
3.3.2 Measuring Instruments

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, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth [duty cycle ≥ 98% or external video / power trigger]
☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed) duty cycle < 98% and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
☐	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.3.4 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.



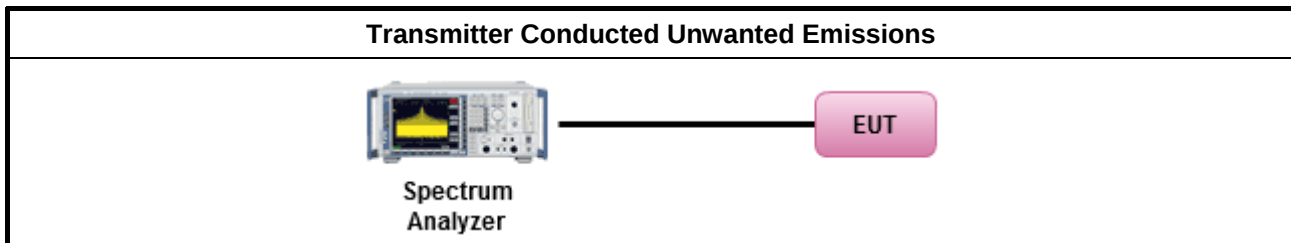
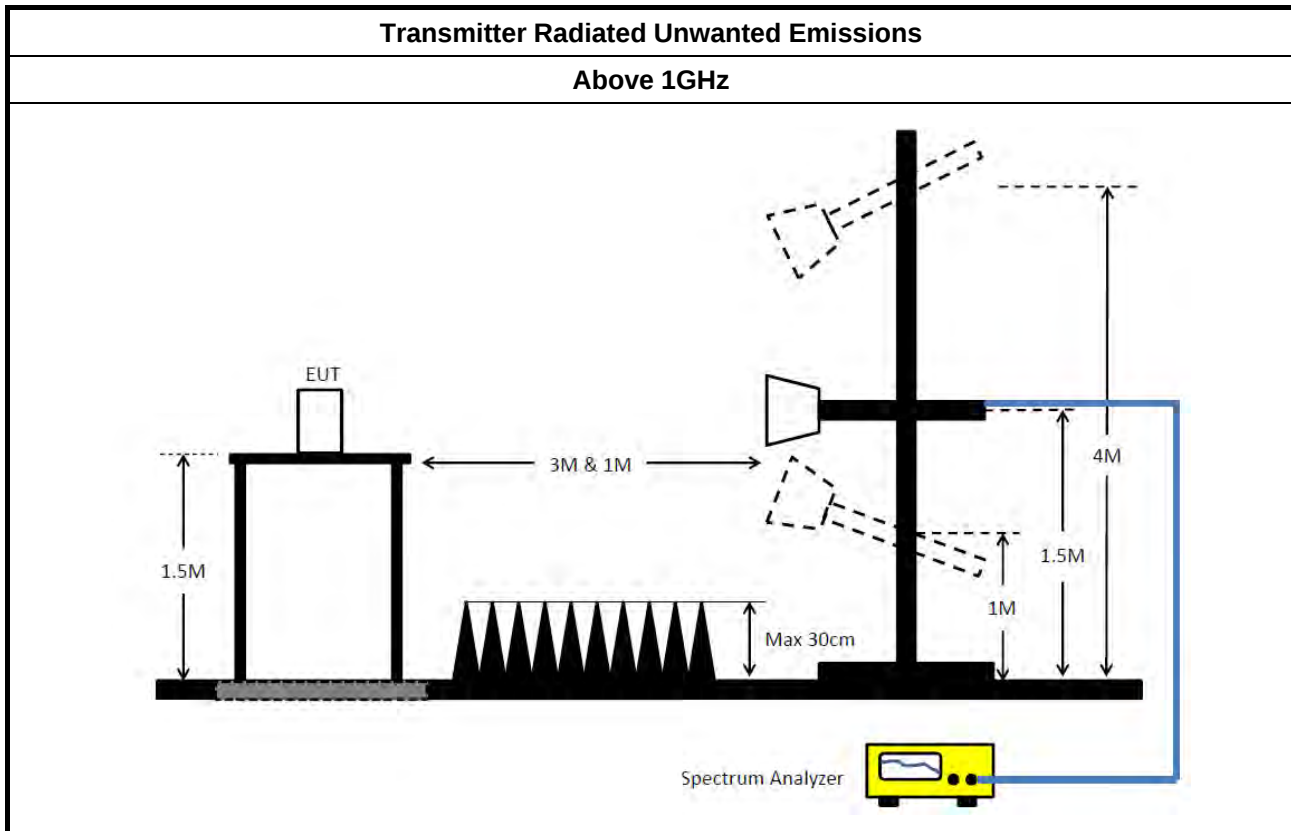
3.4.3 Test Procedures

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 $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	



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 (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = 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
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 03, 2019	Oct. 02, 2020	Radiation (03CH06-CB)
Horn Antenna	COM-POWER	AH-118	071028	1GHz ~ 18GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 22, 2020	Jul. 21, 2021	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz ~26.5 GHz	Nov. 18, 2019	Nov. 17, 2020	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 03, 2019	Oct. 02, 2020	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

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

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	19.53M	16.432M	16M4D1D	19.14M	16.342M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.51M	19.01M	19M0D1D	21.18M	18.951M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.04M	37.901M	37M9D1D	40.8M	37.841M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.92M	77.721M	77M7D1D	82.44M	77.481M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.77M	16.492M	16M5D1D	14.945M	13.276M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.39M	18.951M	19M0D1D	15.575M	14.465M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.58M	37.901M	37M9D1D	35.513M	33.808M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.92M	77.601M	77M6D1D	76.57M	73.278M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.135M	13.673M	13M7D1D	3.135M	9.595M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.485M	5.637M	5M64D1D	4.425M	5.292M
802.11ax HEW40_Nss1,(MCS0)_2TX	4.065M	19.34M	19M3D1D	4.005M	17.436M
802.11ax HEW80_Nss1,(MCS0)_2TX	4.08M	25.937M	25M9D1D	4.035M	25.652M

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

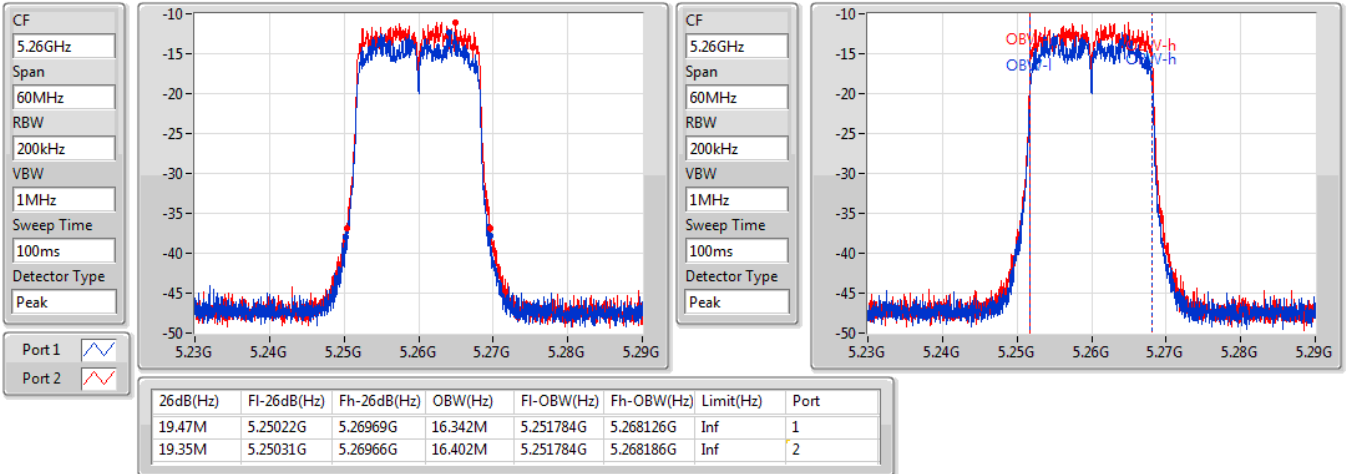
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.47M	16.342M	19.35M	16.402M
5300MHz	Pass	Inf	19.14M	16.342M	19.53M	16.432M
5320MHz	Pass	Inf	19.26M	16.402M	19.47M	16.402M
5500MHz	Pass	Inf	19.65M	16.402M	19.44M	16.402M
5580MHz	Pass	Inf	19.44M	16.432M	19.68M	16.432M
5700MHz	Pass	Inf	19.53M	16.492M	19.77M	16.432M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.945M	13.293M	14.998M	13.276M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	13.673M	3.135M	9.595M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.21M	19.01M	21.51M	18.951M
5300MHz	Pass	Inf	21.21M	18.981M	21.18M	18.951M
5320MHz	Pass	Inf	21.21M	18.951M	21.3M	18.951M
5500MHz	Pass	Inf	21.12M	18.951M	21.39M	18.951M
5580MHz	Pass	Inf	21.33M	18.951M	21.06M	18.921M
5700MHz	Pass	Inf	20.97M	18.891M	21.15M	18.921M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.575M	14.465M	15.593M	14.5M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.425M	5.637M	4.485M	5.292M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	41.04M	37.901M	40.98M	37.841M
5310MHz	Pass	Inf	40.98M	37.901M	40.8M	37.841M
5510MHz	Pass	Inf	41.1M	37.841M	41.52M	37.901M
5550MHz	Pass	Inf	41.58M	37.841M	41.16M	37.841M
5670MHz	Pass	Inf	41.04M	37.901M	40.98M	37.841M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.513M	33.846M	35.775M	33.808M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.005M	19.34M	4.065M	17.436M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.92M	77.721M	82.44M	77.481M
5530MHz	Pass	Inf	82.92M	77.601M	82.08M	77.481M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.57M	73.433M	76.57M	73.278M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.035M	25.652M	4.08M	25.937M

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

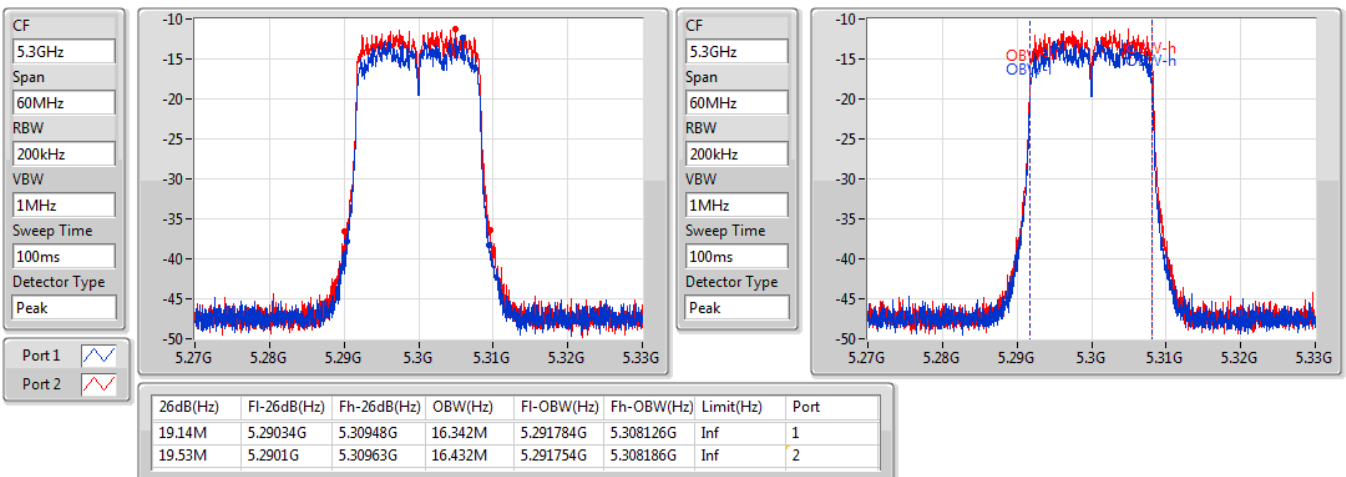
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

18/08/2020


802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

18/08/2020

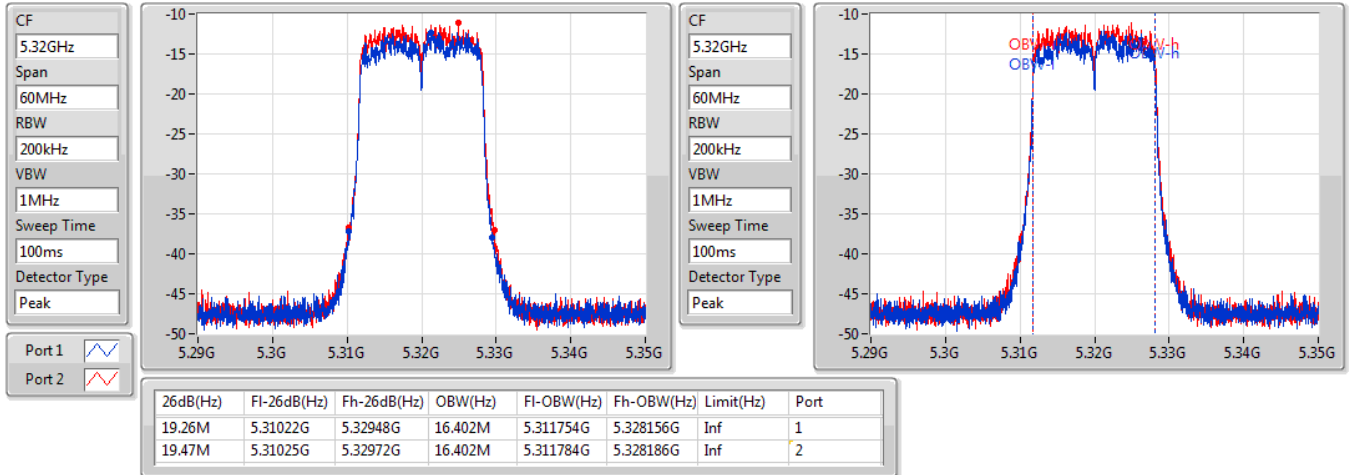


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

18/08/2020

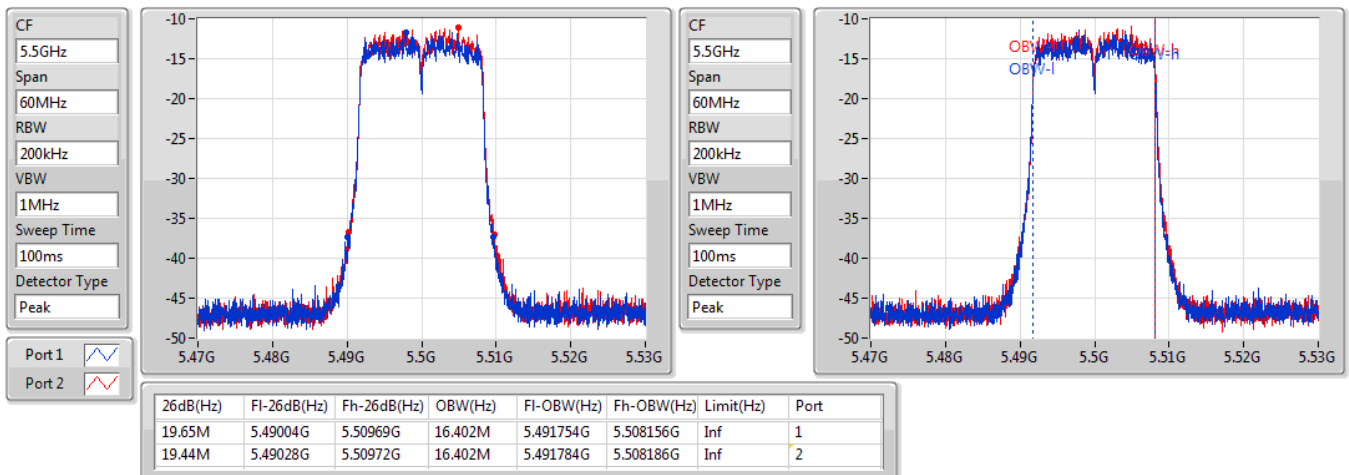


802.11a_Nss1,(6Mbps)_2TX

EBW

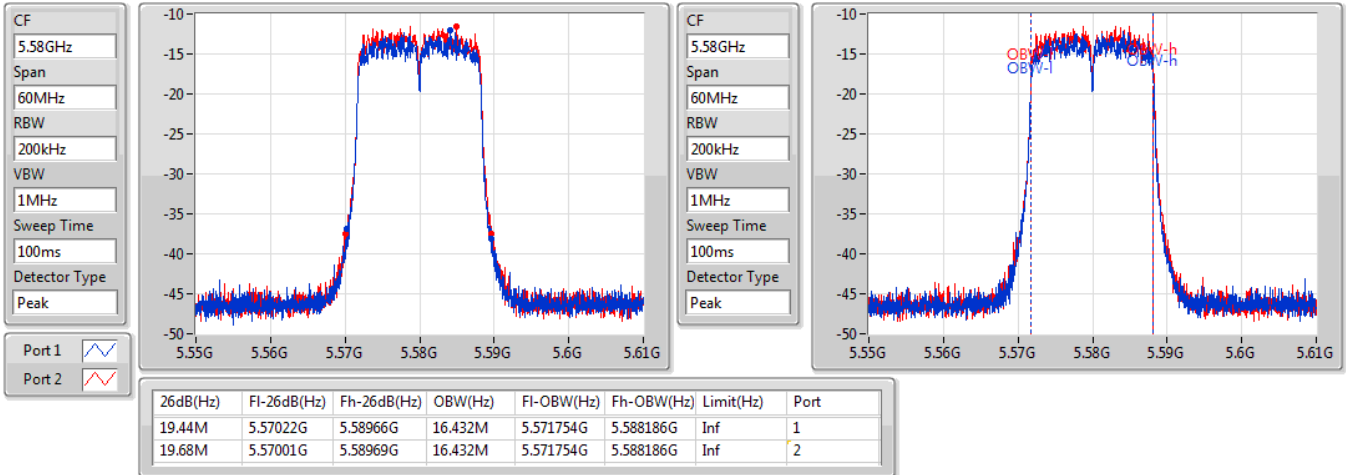
5500MHz

18/08/2020

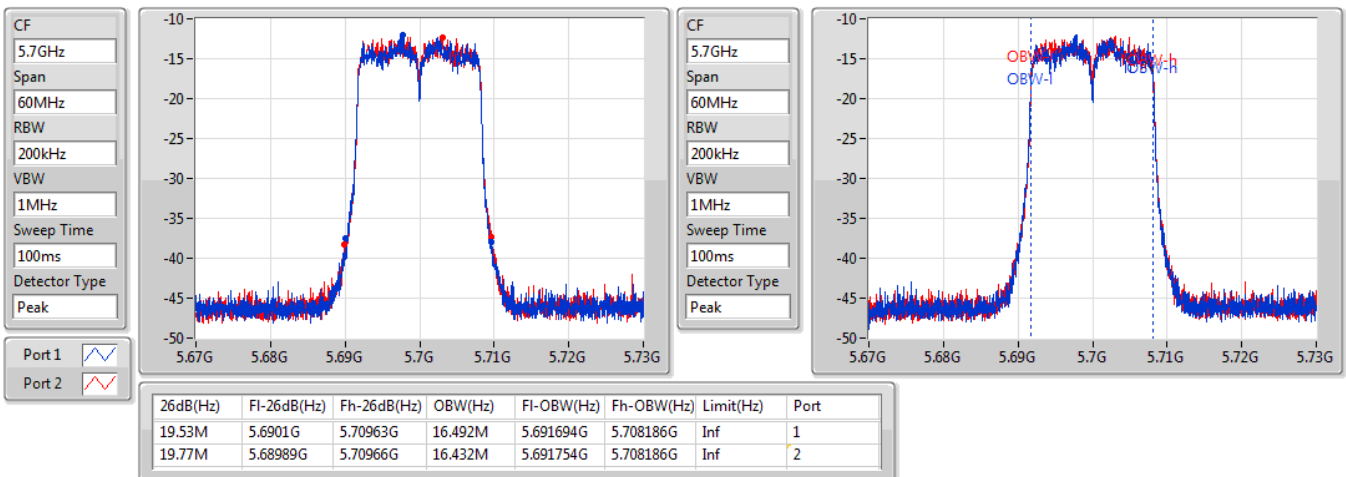


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

18/08/2020

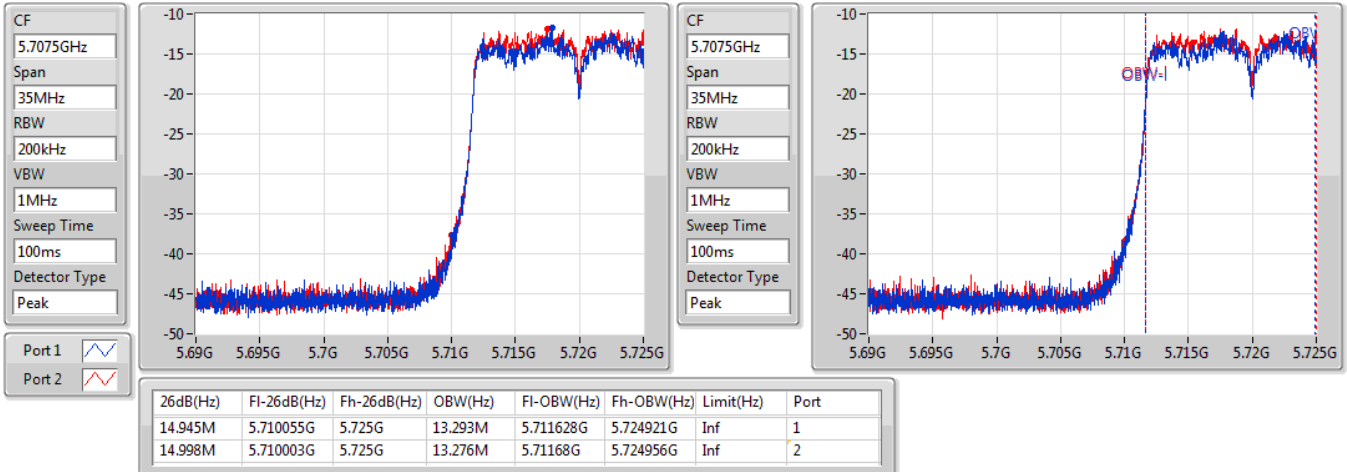

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

18/08/2020

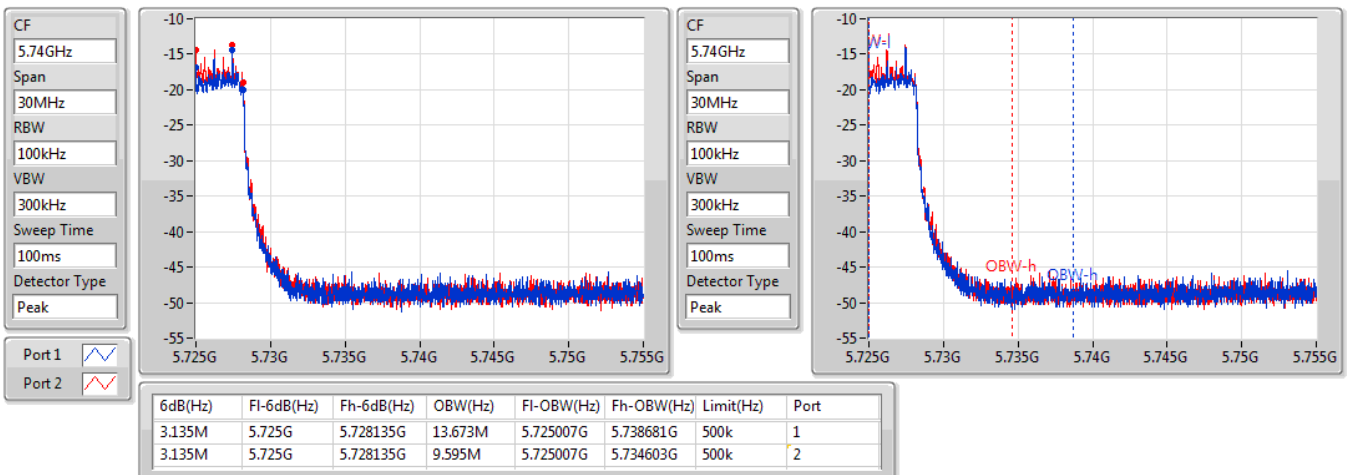


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

18/08/2020

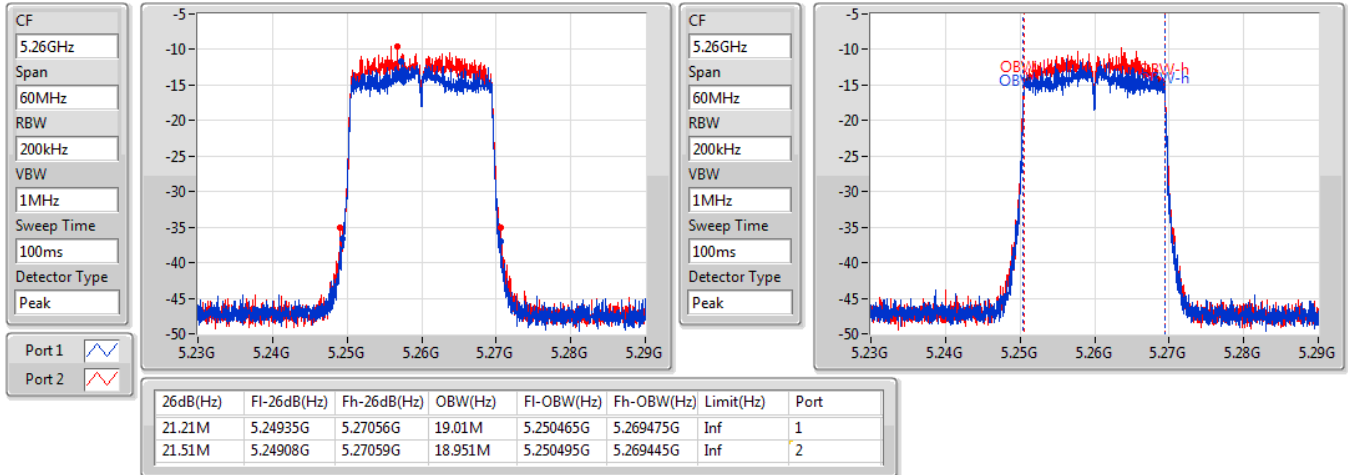

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

18/08/2020

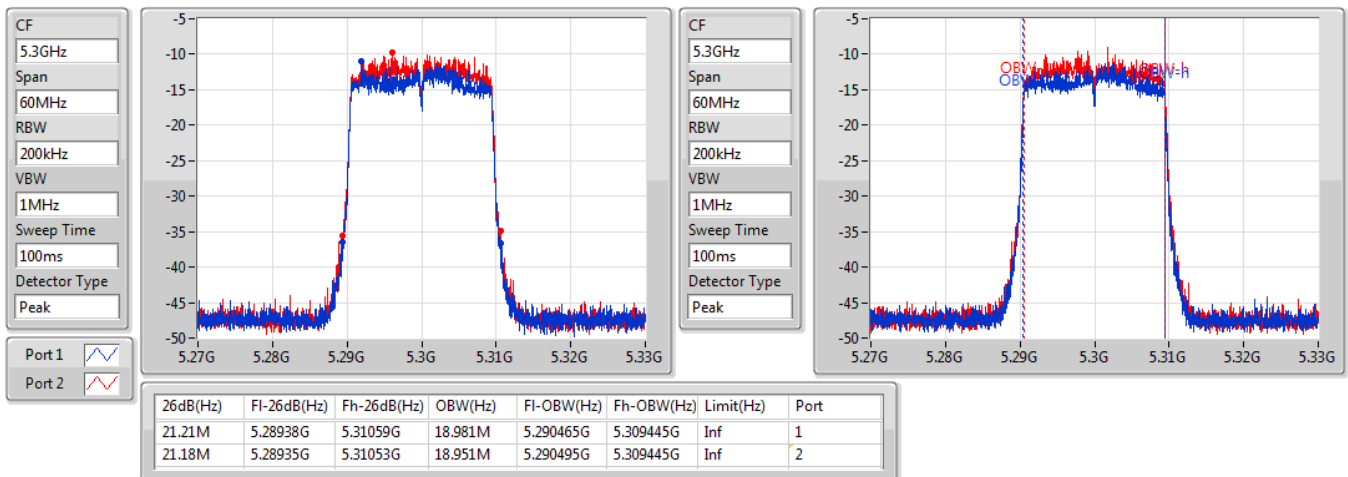


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

18/08/2020

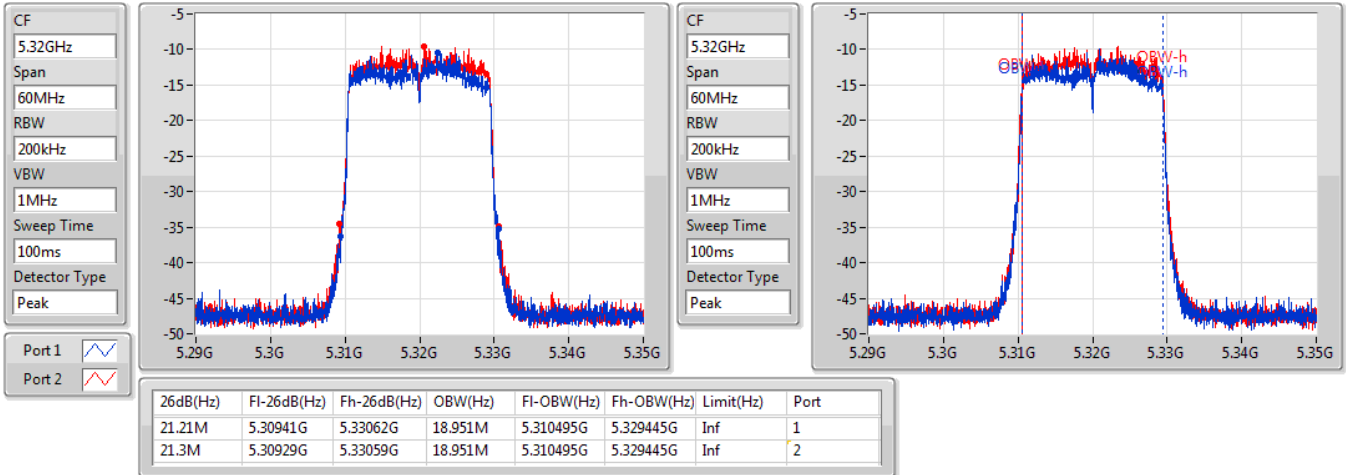

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

18/08/2020

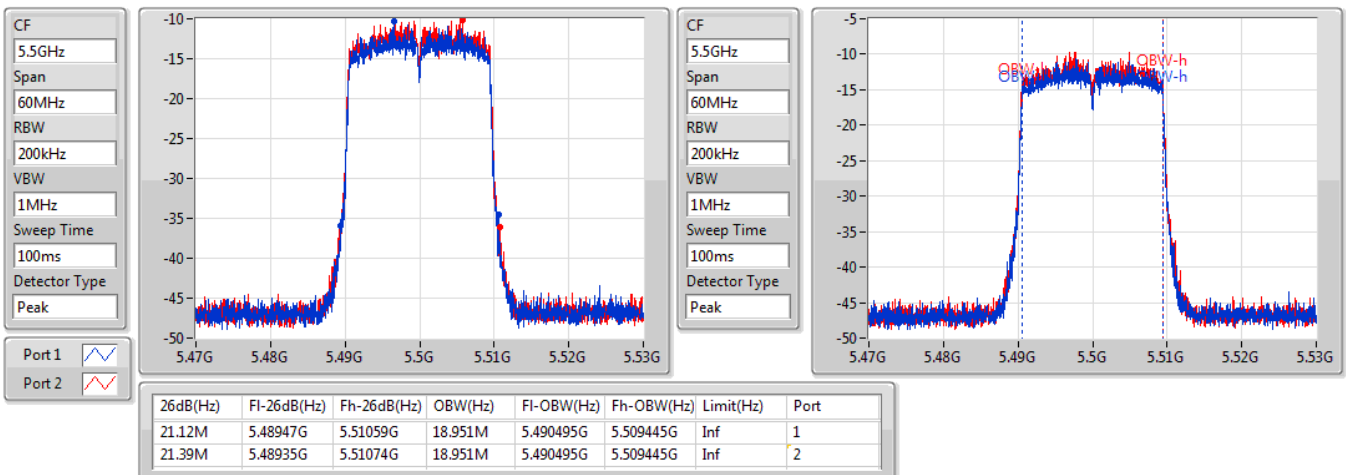


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

18/08/2020

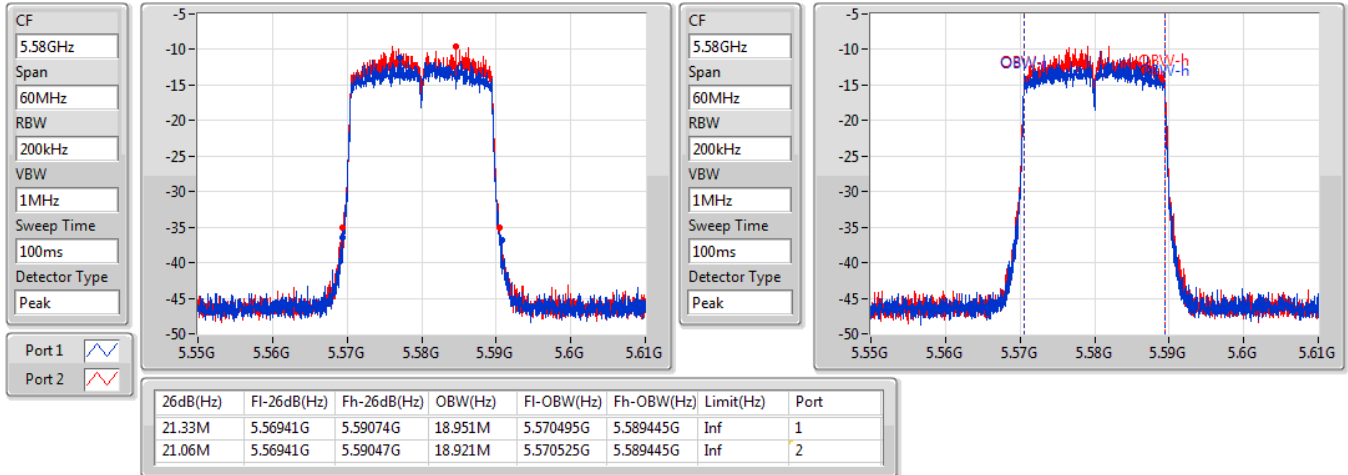

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

18/08/2020

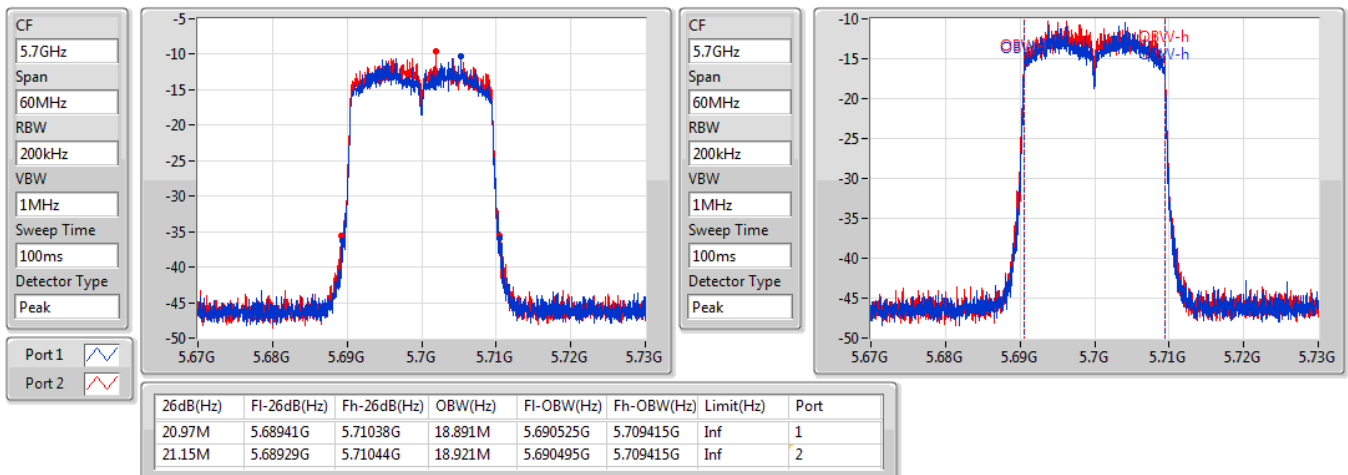


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

18/08/2020

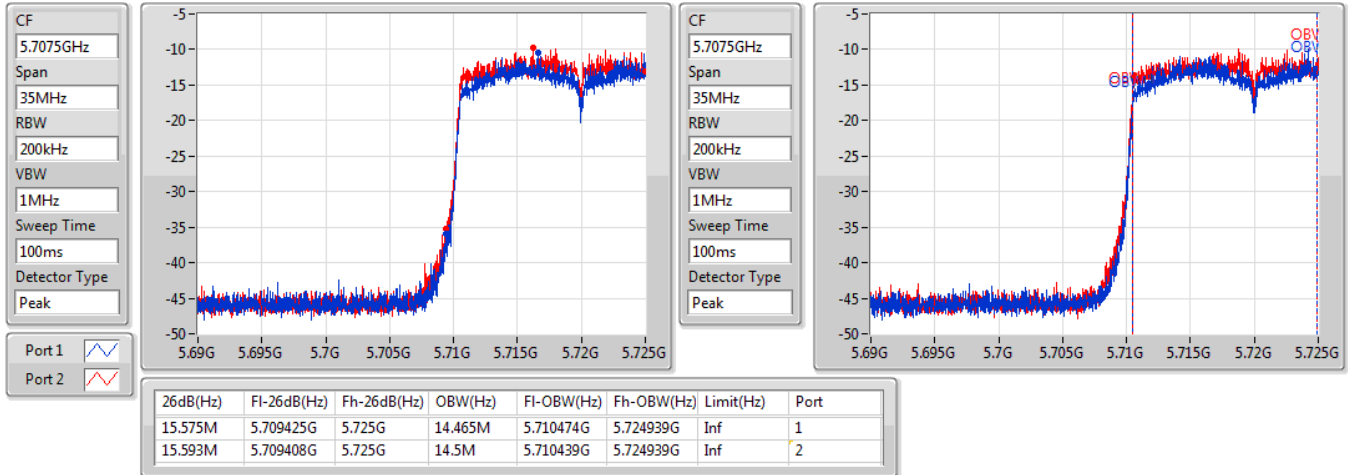

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

18/08/2020

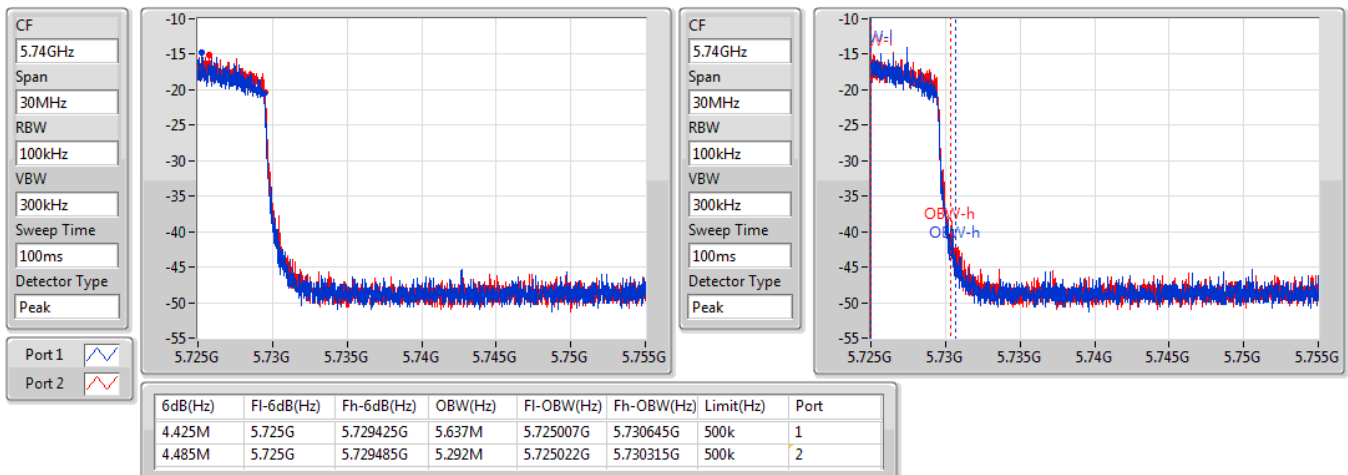


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

18/08/2020

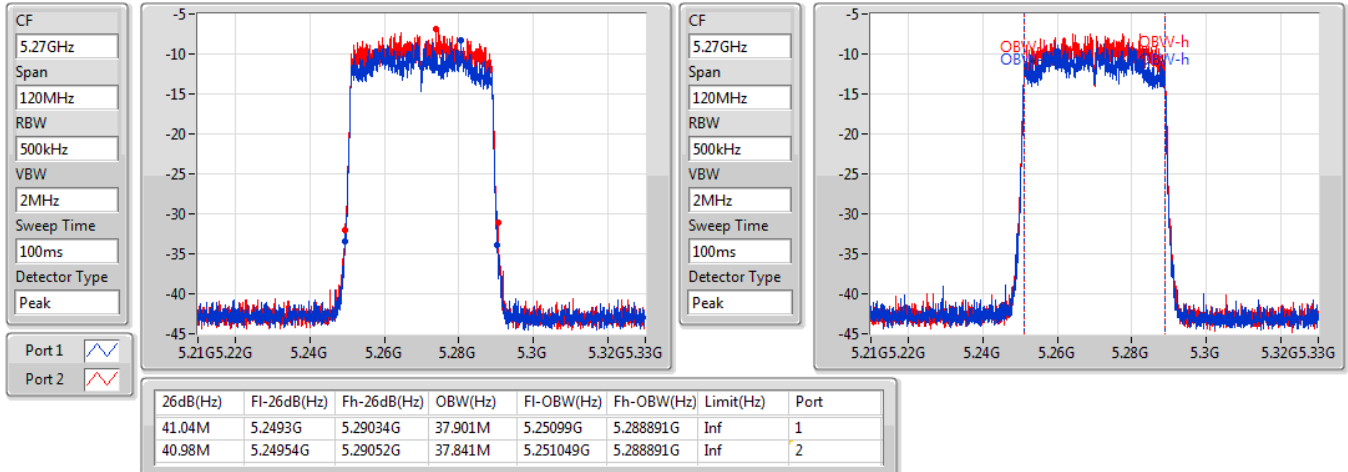

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

18/08/2020

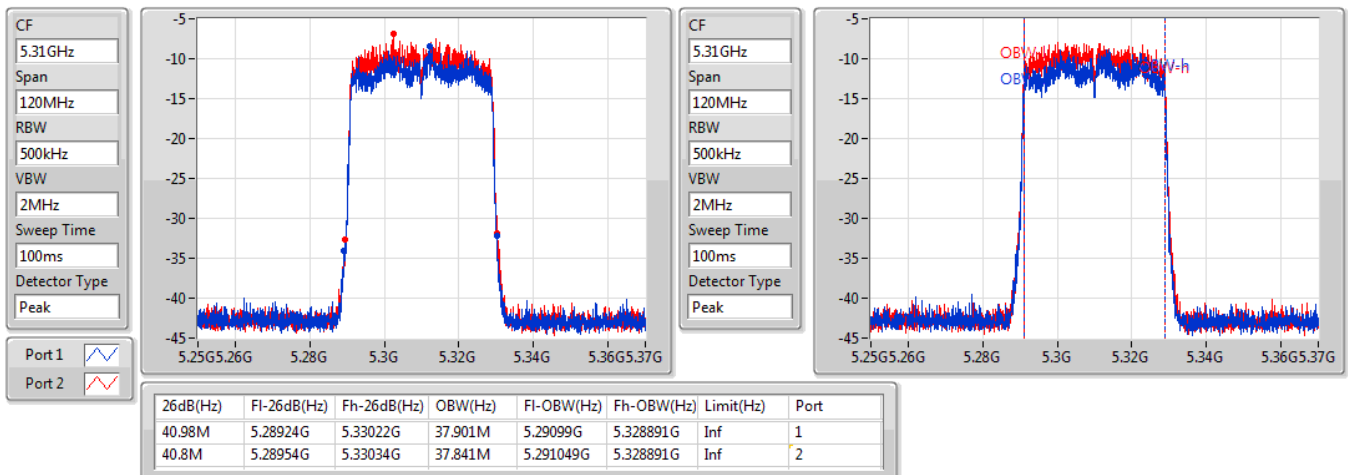


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

18/08/2020

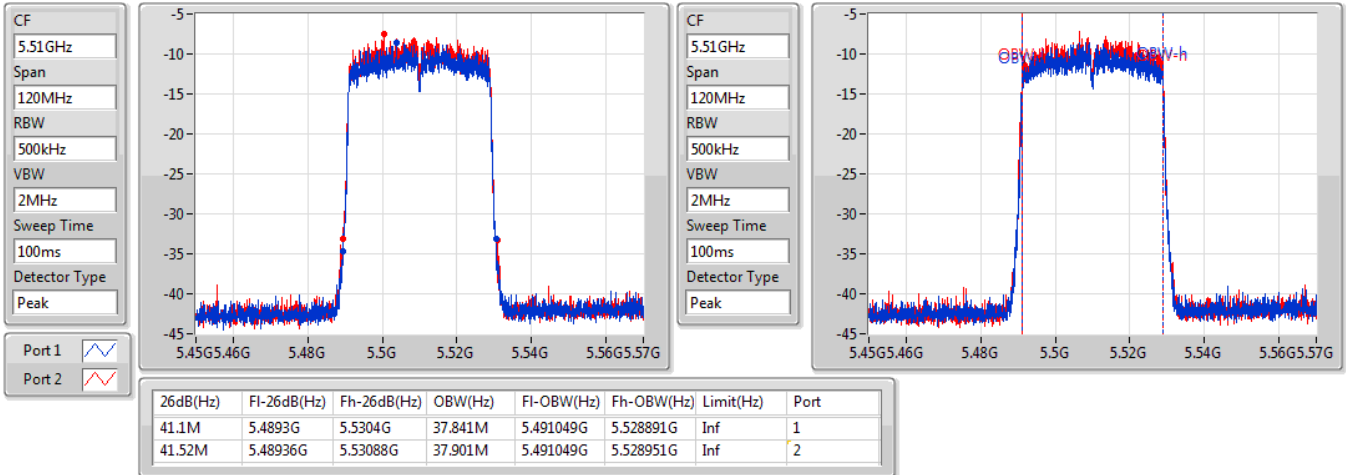

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

18/08/2020

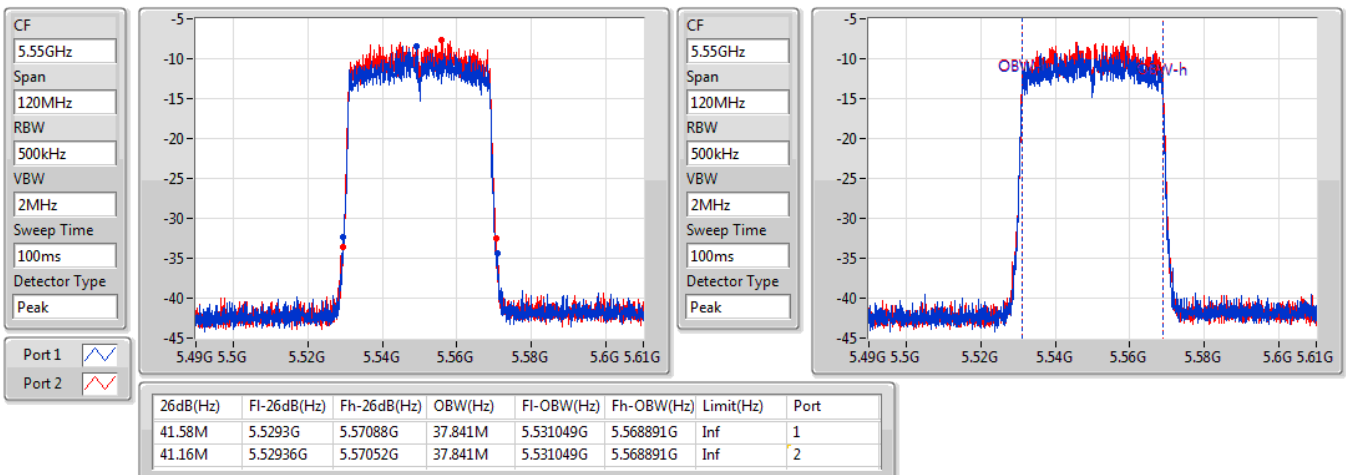


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5510MHz

18/08/2020

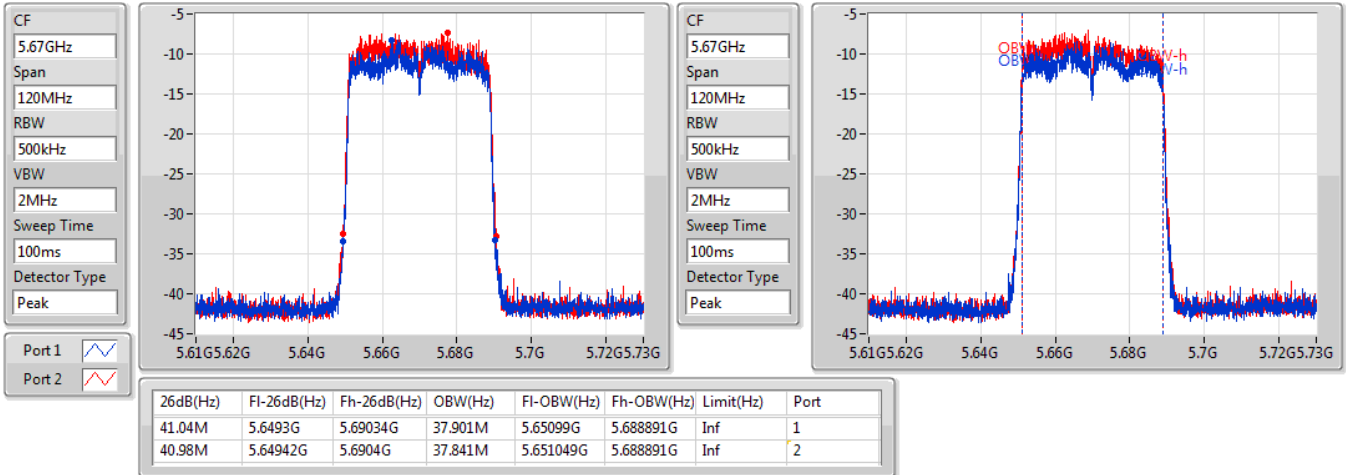

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5550MHz

18/08/2020

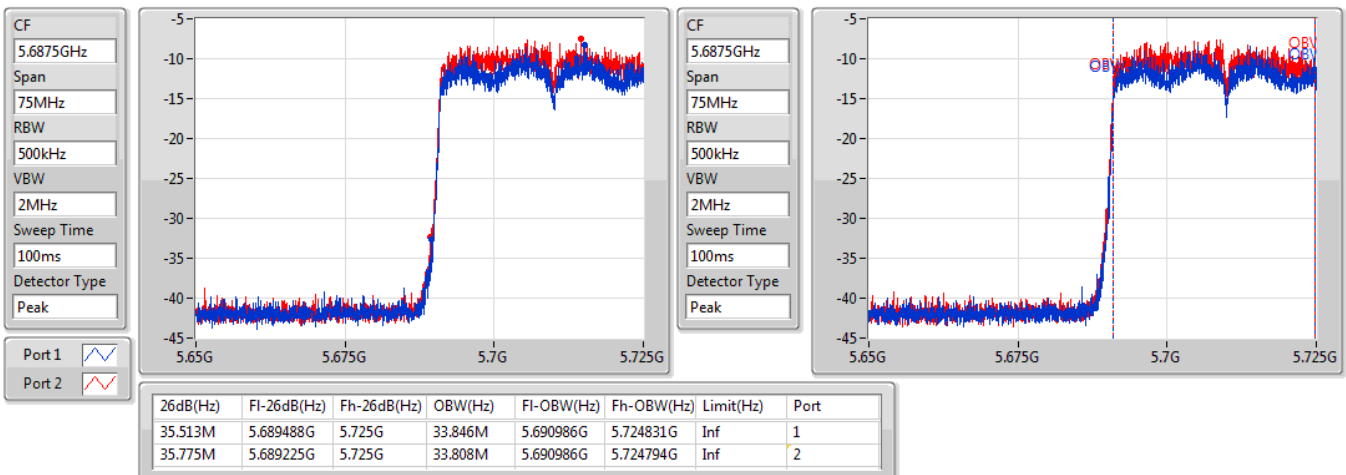


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

18/08/2020

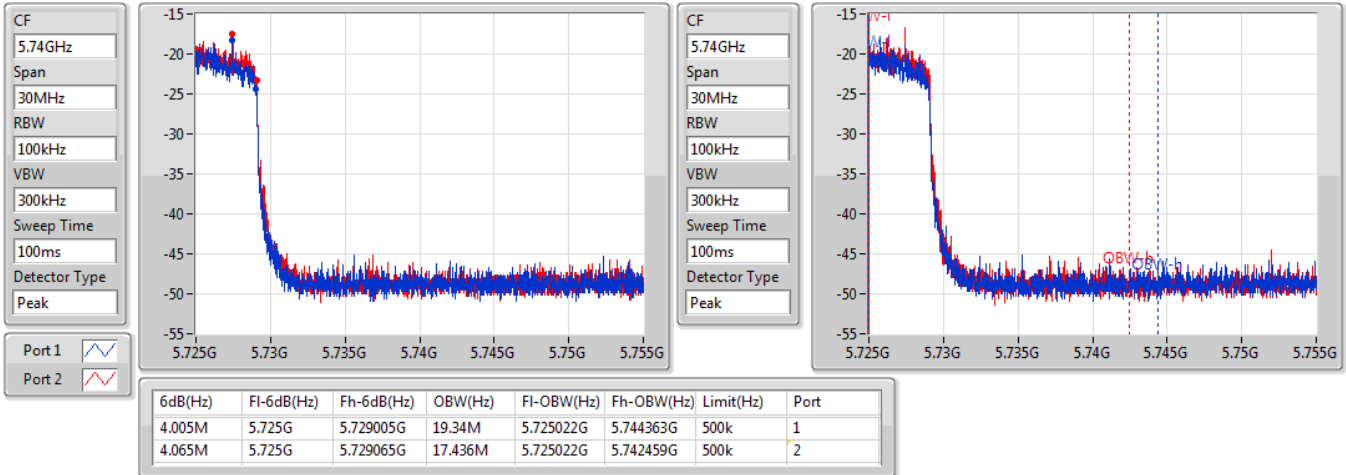

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

18/08/2020

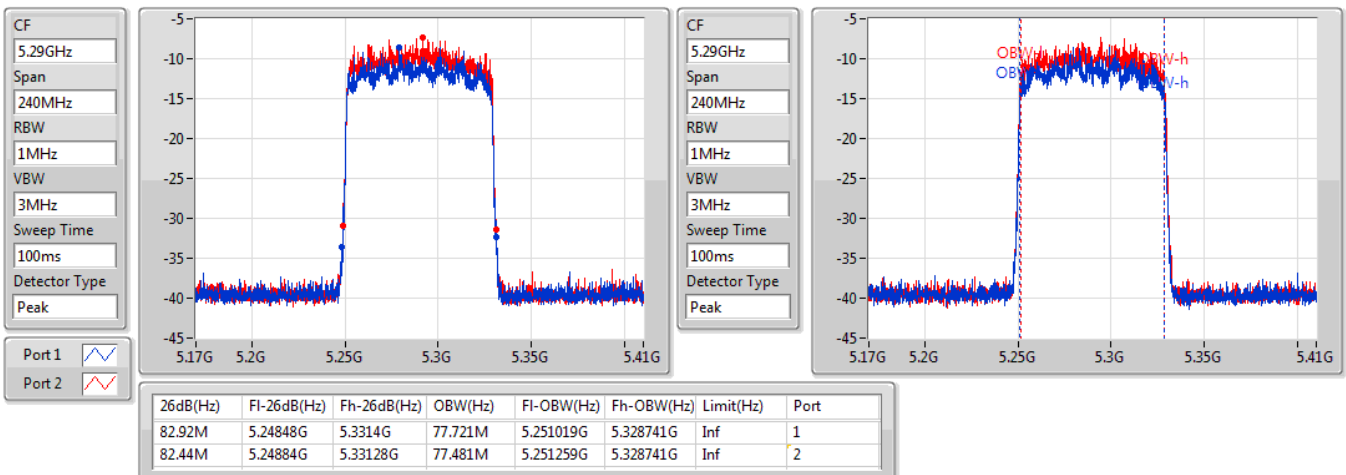


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

18/08/2020

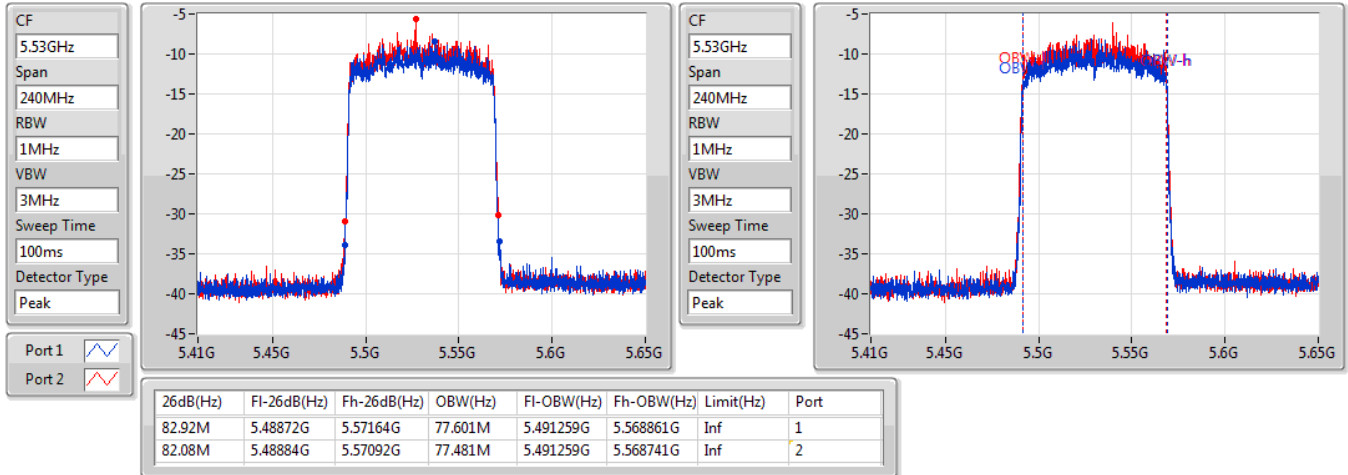

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

18/08/2020

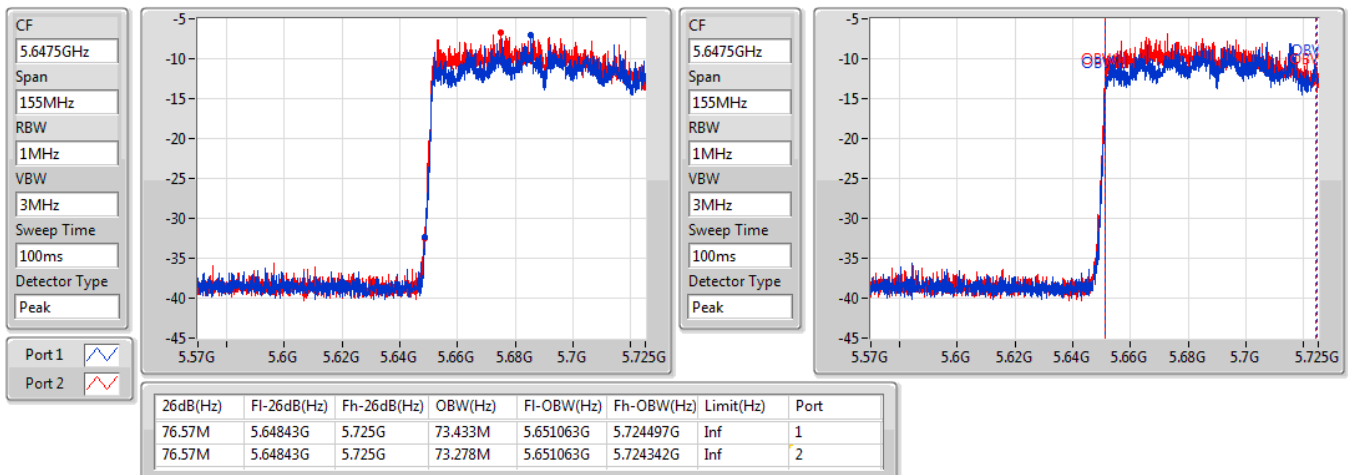


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

18/08/2020


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

18/08/2020

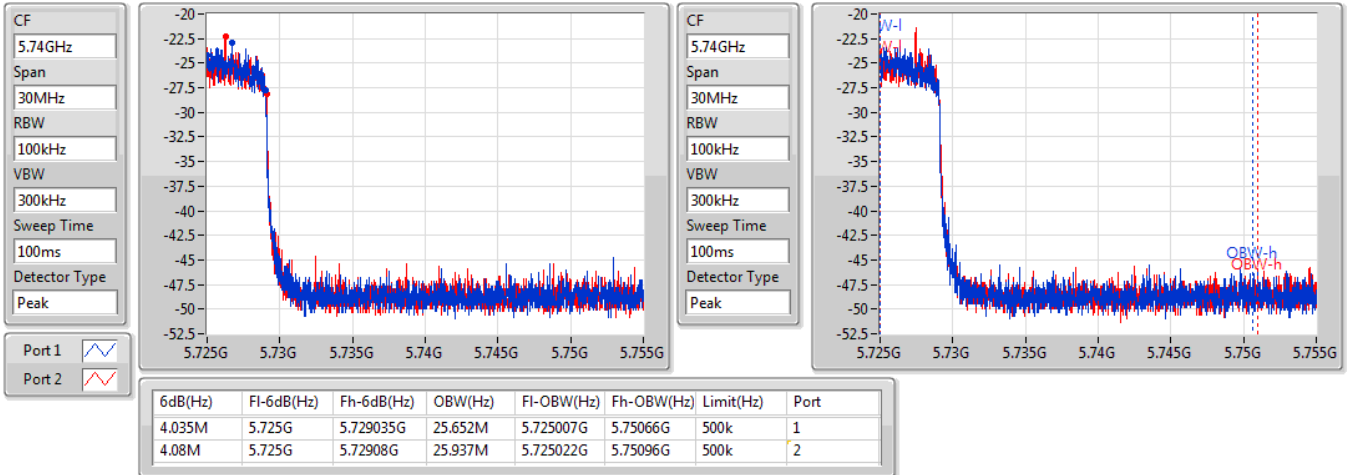


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

18/08/2020



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	19.38M	16.372M	16M4D1D	19.11M	16.342M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.09M	18.921M	18M9D1D	20.82M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.22M	37.781M	37M8D1D	40.98M	37.721M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.56M	77.241M	77M2D1D	82.44M	77.121M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.26M	16.402M	16M4D1D	14.665M	13.188M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.18M	18.921M	18M9D1D	15.47M	14.413M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.04M	37.781M	37M8D1D	35.475M	33.696M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.92M	77.241M	77M2D1D	76.105M	73.123M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.15M	3.478M	3M48D1D	3.135M	3.448M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.5M	4.603M	4M60D1D	4.425M	4.573M
802.11ax HEW40_Nss1,(MCS0)_2TX	4.08M	4.168M	4M17D1D	3.975M	4.123M
802.11ax HEW80_Nss1,(MCS0)_2TX	4.05M	4.213M	4M21D1D	3.915M	4.168M

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

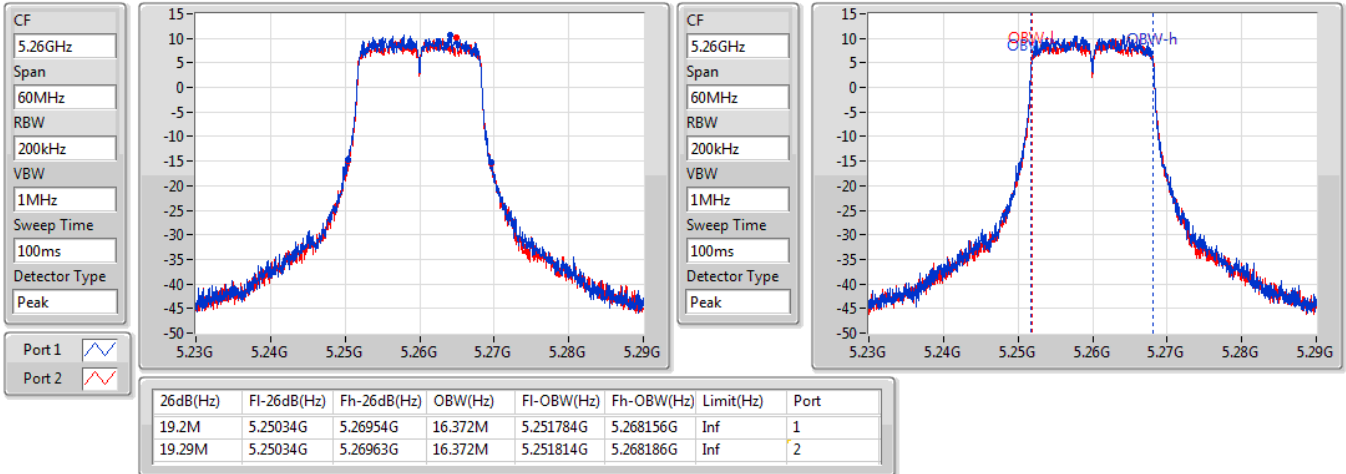
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.2M	16.372M	19.29M	16.372M
5300MHz	Pass	Inf	19.38M	16.372M	19.38M	16.372M
5320MHz	Pass	Inf	19.11M	16.342M	19.35M	16.342M
5500MHz	Pass	Inf	19.02M	16.372M	19.23M	16.342M
5580MHz	Pass	Inf	19.11M	16.372M	19.26M	16.372M
5700MHz	Pass	Inf	19.08M	16.402M	19.26M	16.372M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.665M	13.223M	14.683M	13.188M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	3.448M	3.15M	3.478M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21M	18.921M	21.09M	18.891M
5300MHz	Pass	Inf	20.82M	18.921M	21M	18.891M
5320MHz	Pass	Inf	21M	18.921M	20.82M	18.921M
5500MHz	Pass	Inf	21.18M	18.921M	21M	18.921M
5580MHz	Pass	Inf	21M	18.921M	20.97M	18.921M
5700MHz	Pass	Inf	20.73M	18.861M	20.82M	18.891M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.47M	14.413M	15.488M	14.465M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.425M	4.573M	4.5M	4.603M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	41.16M	37.721M	40.98M	37.721M
5310MHz	Pass	Inf	41.04M	37.781M	41.22M	37.781M
5510MHz	Pass	Inf	40.8M	37.781M	41.04M	37.781M
5550MHz	Pass	Inf	41.04M	37.781M	41.04M	37.781M
5670MHz	Pass	Inf	40.74M	37.781M	40.74M	37.721M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.475M	33.808M	35.625M	33.696M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.975M	4.123M	4.08M	4.168M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.44M	77.121M	82.56M	77.241M
5530MHz	Pass	Inf	82.92M	77.001M	82.68M	77.241M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.105M	73.201M	76.26M	73.123M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.915M	4.168M	4.05M	4.213M

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

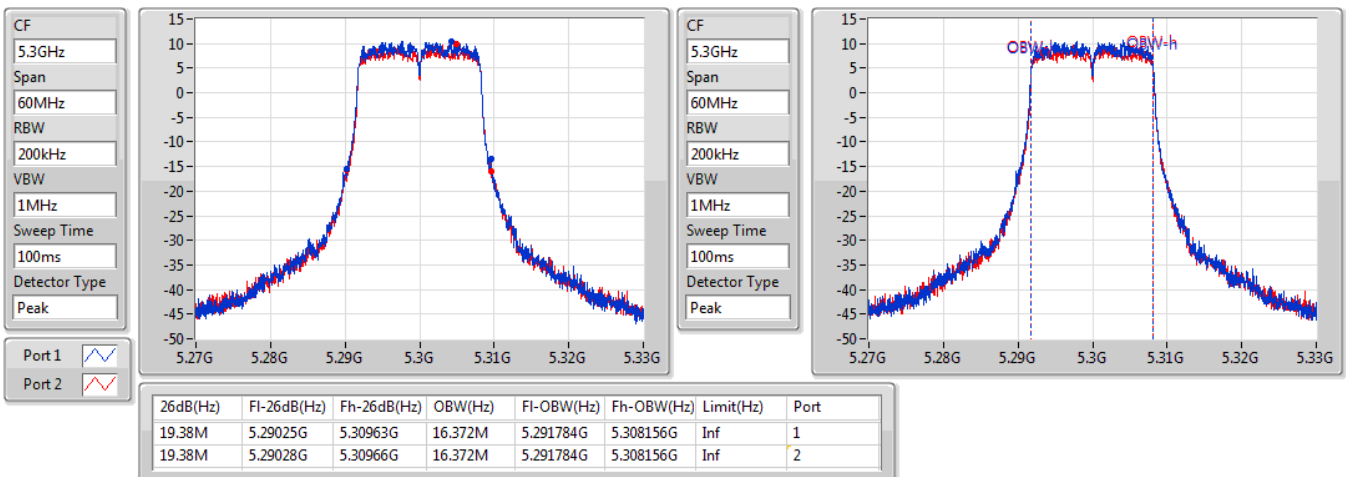
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

15/08/2020

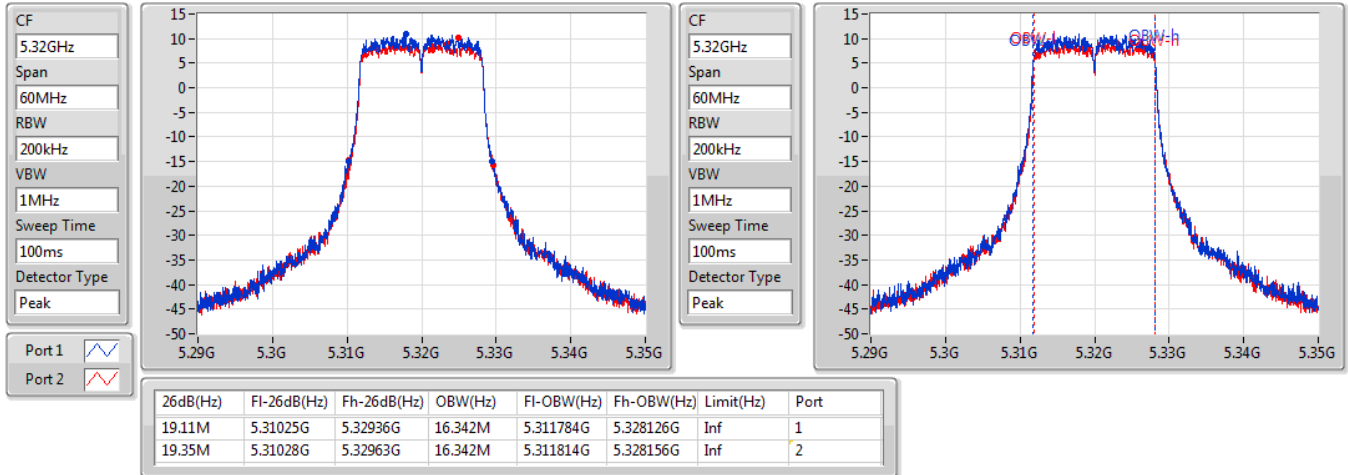

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

15/08/2020

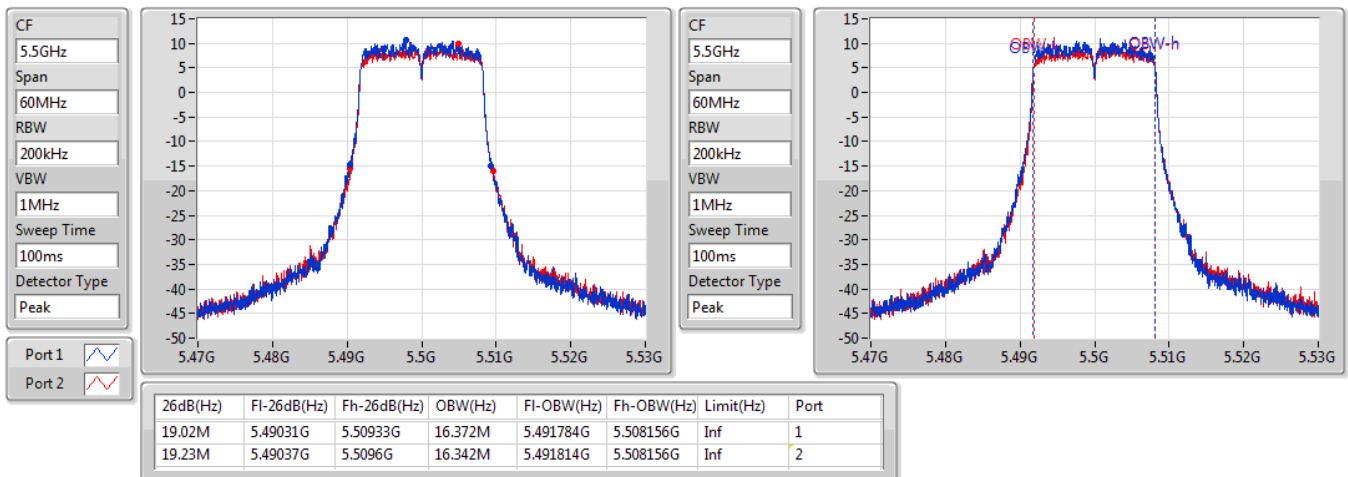


802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

15/08/2020

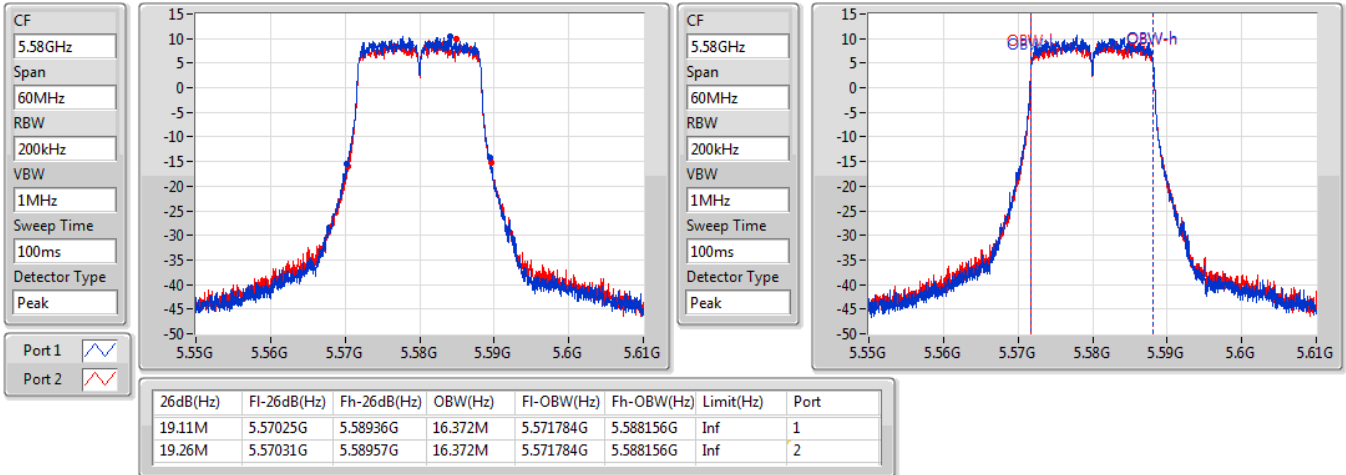

802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

15/08/2020

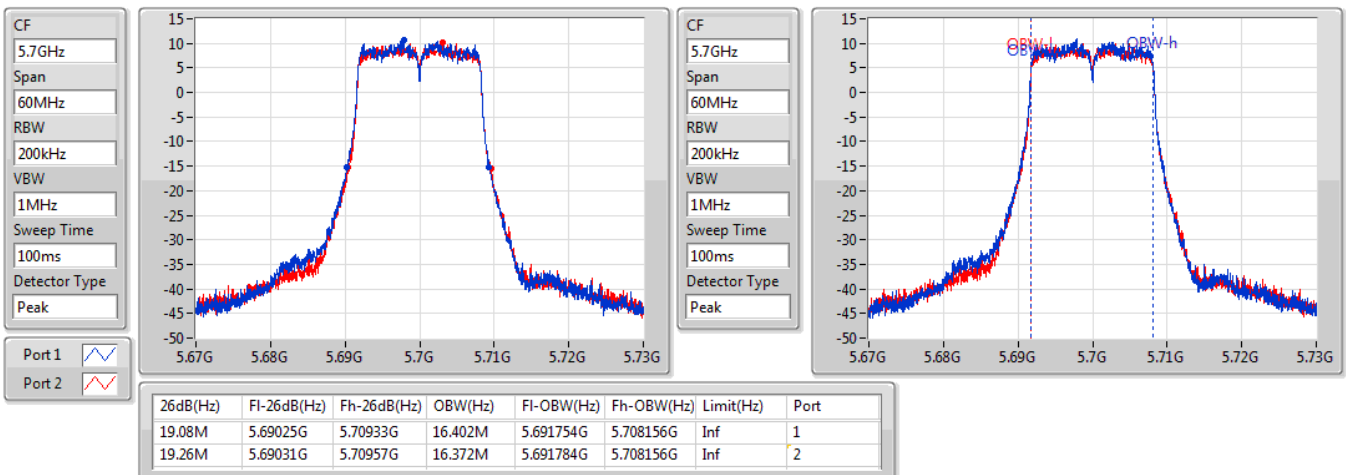


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

15/08/2020

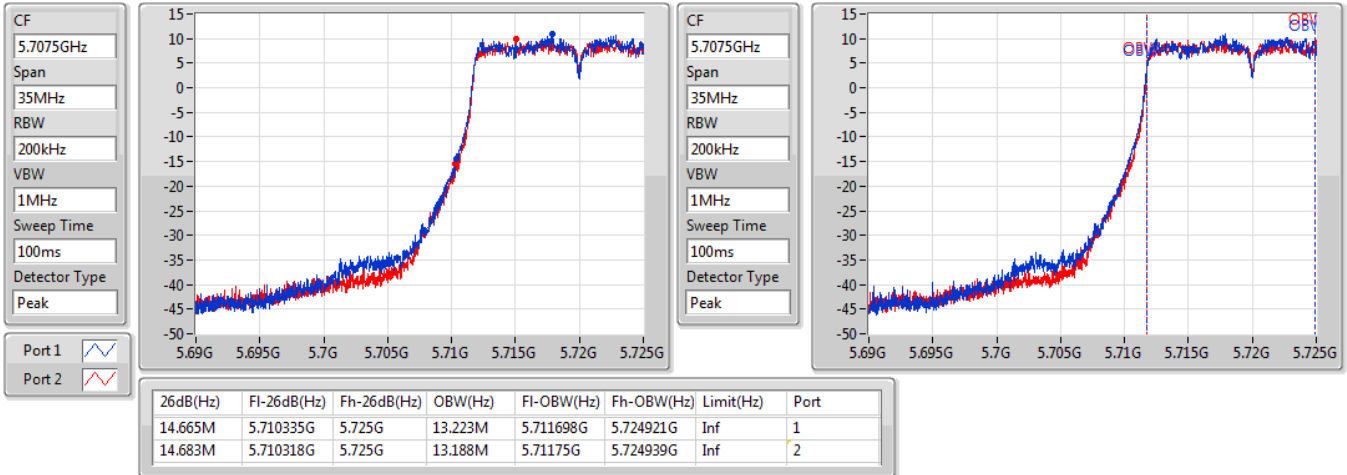

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

15/08/2020

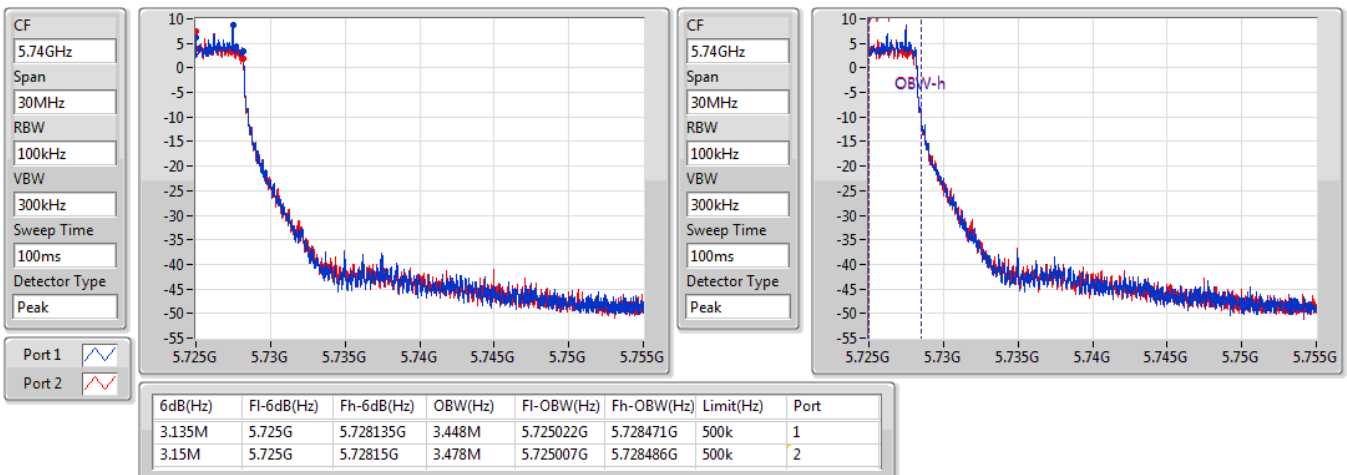


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

15/08/2020

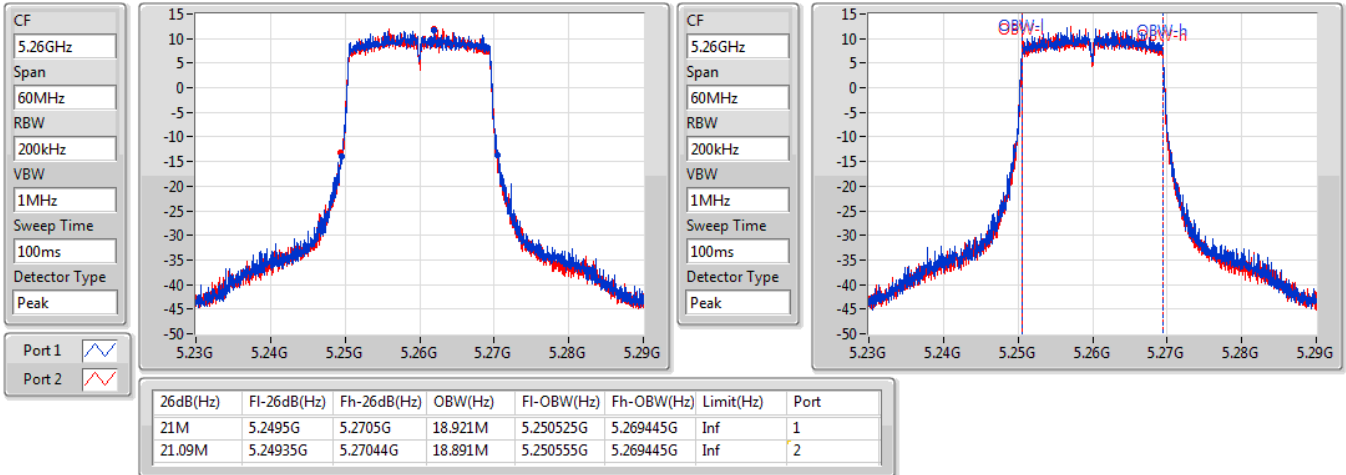

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

15/08/2020

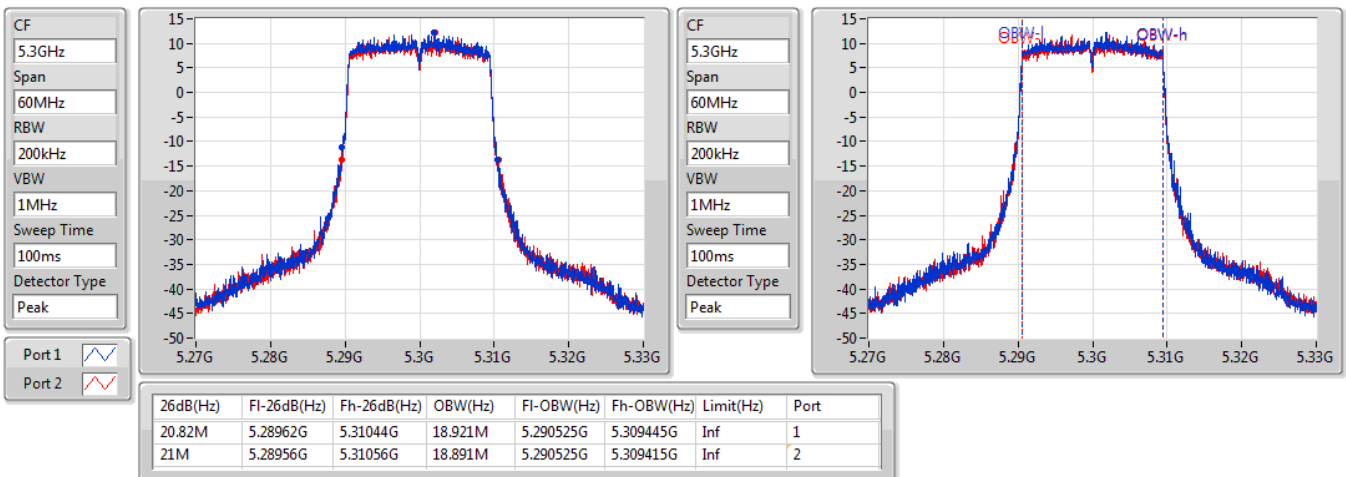


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

15/08/2020

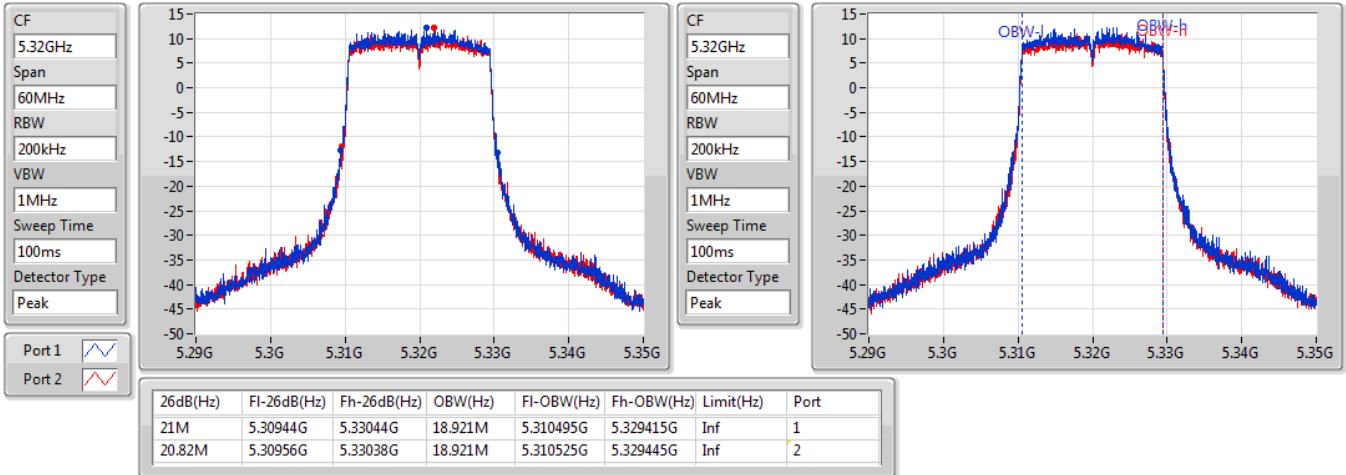

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

15/08/2020

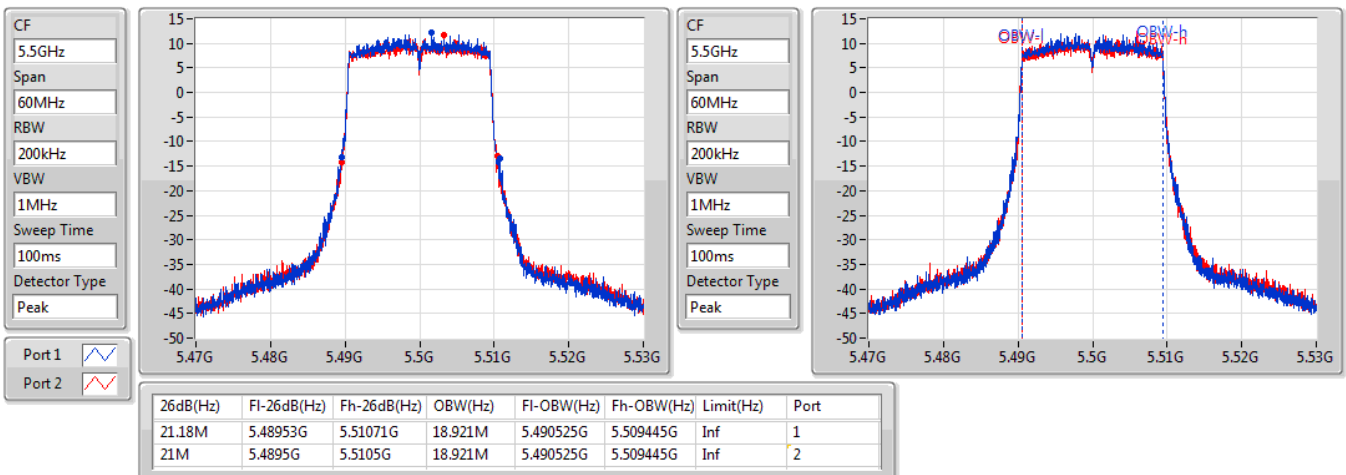


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

15/08/2020

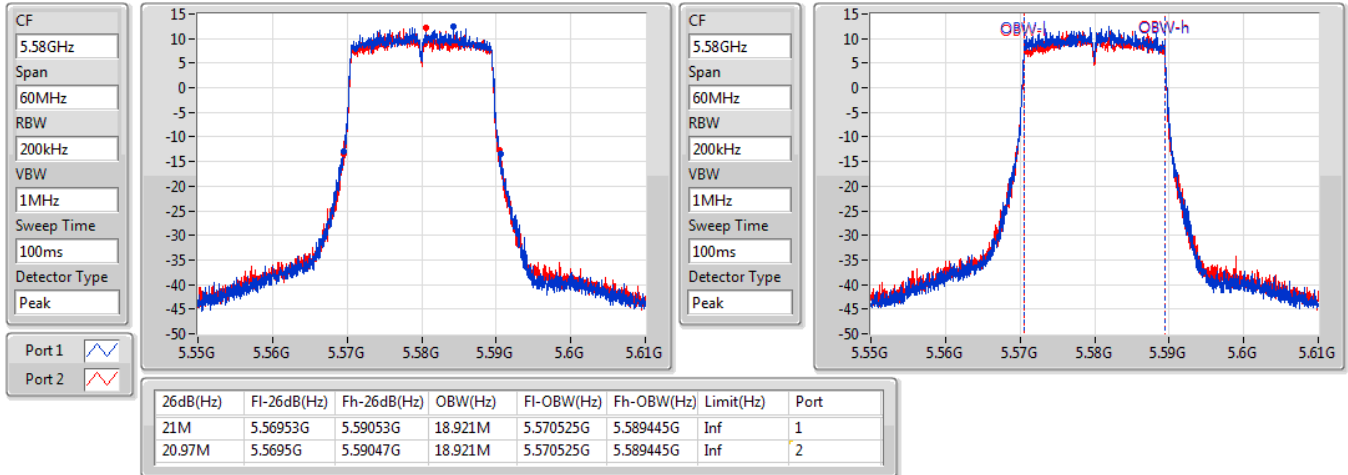

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

15/08/2020

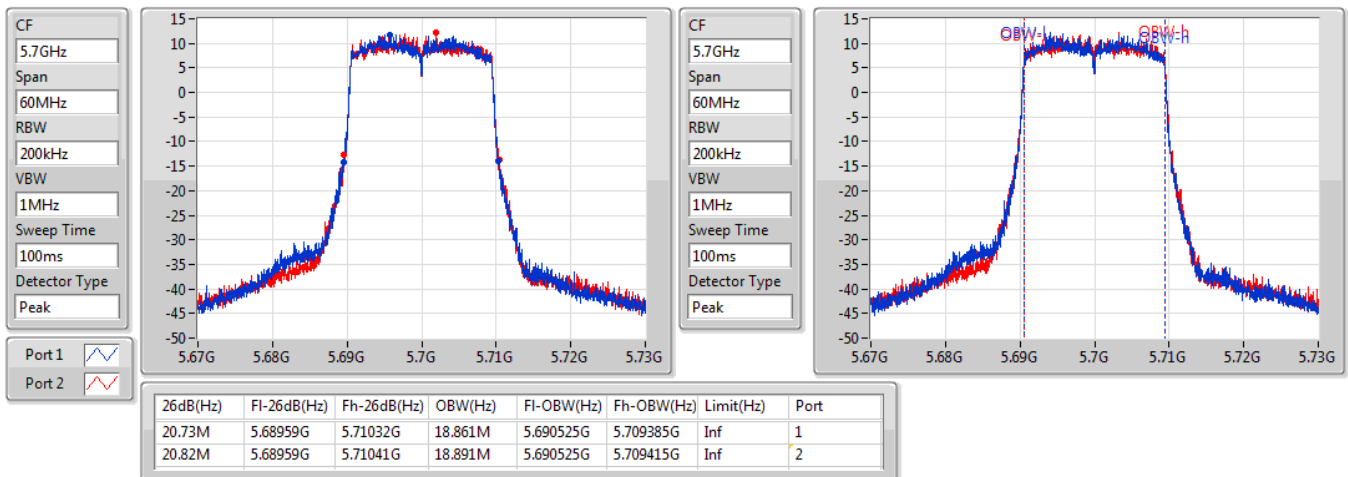


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

15/08/2020

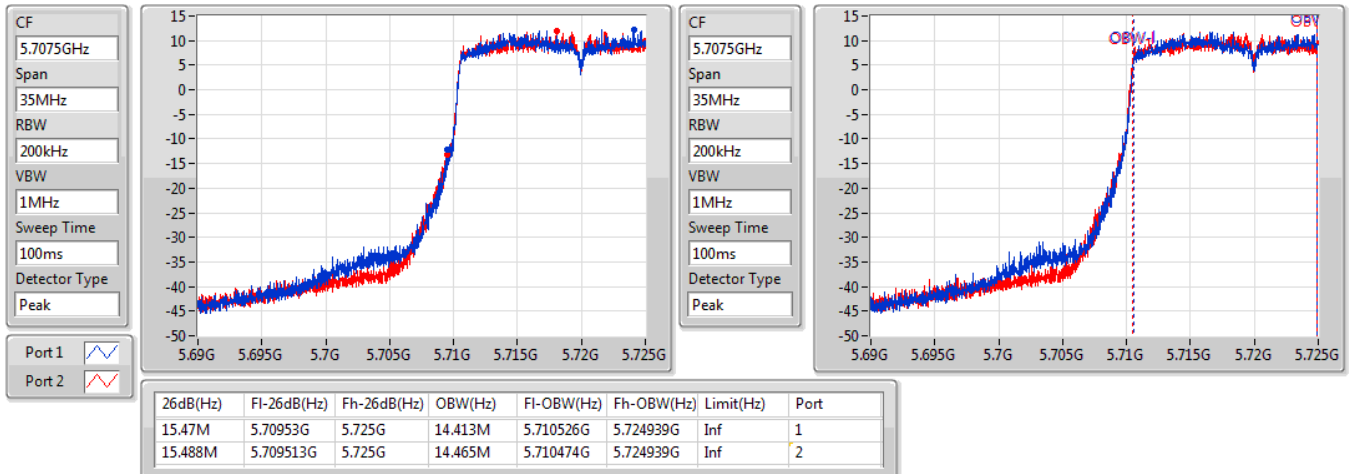

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

15/08/2020

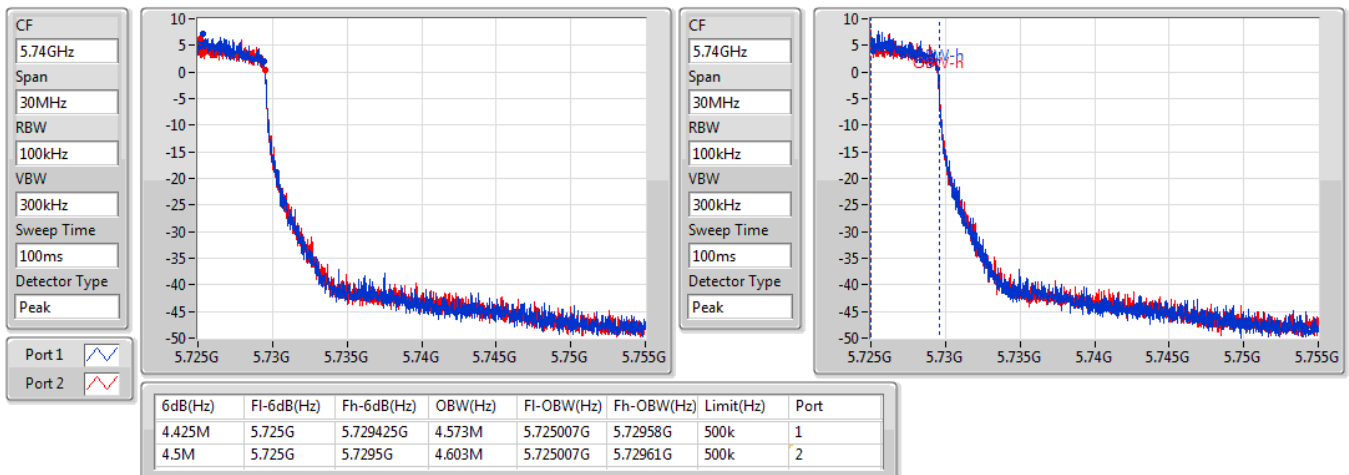


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

15/08/2020

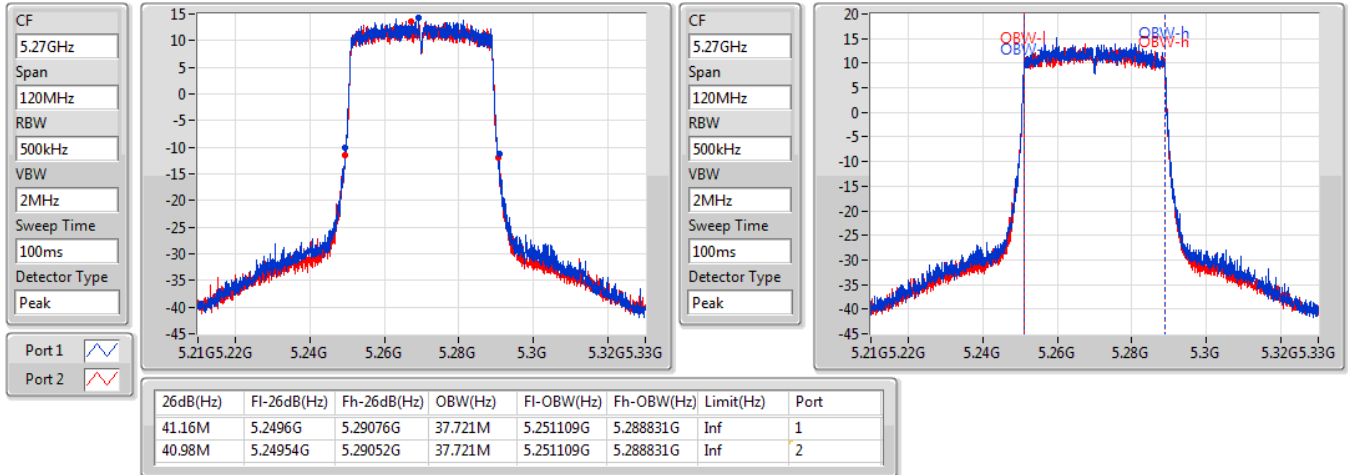

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

15/08/2020

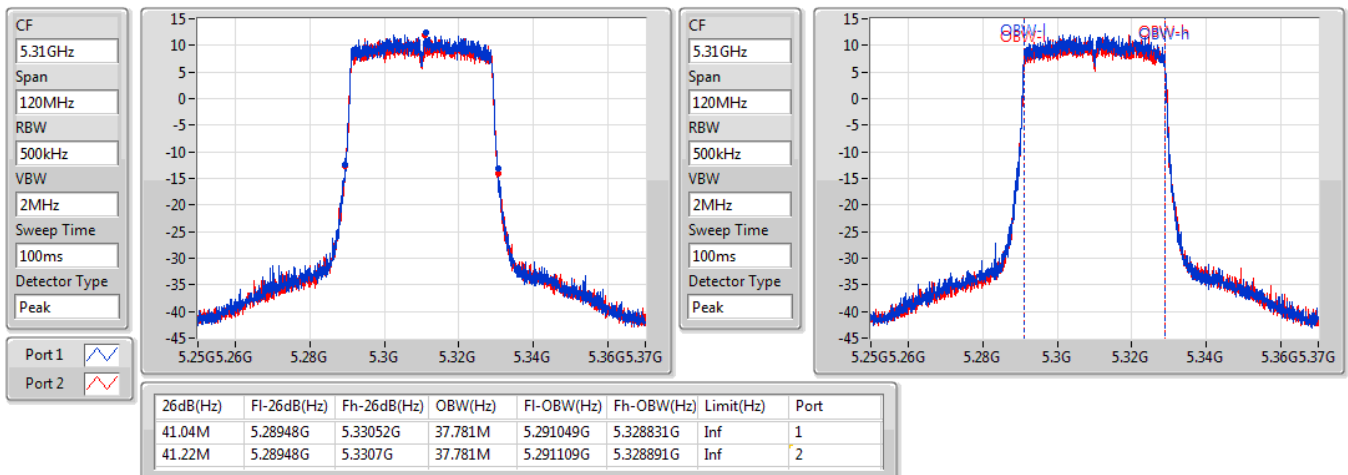


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

15/08/2020

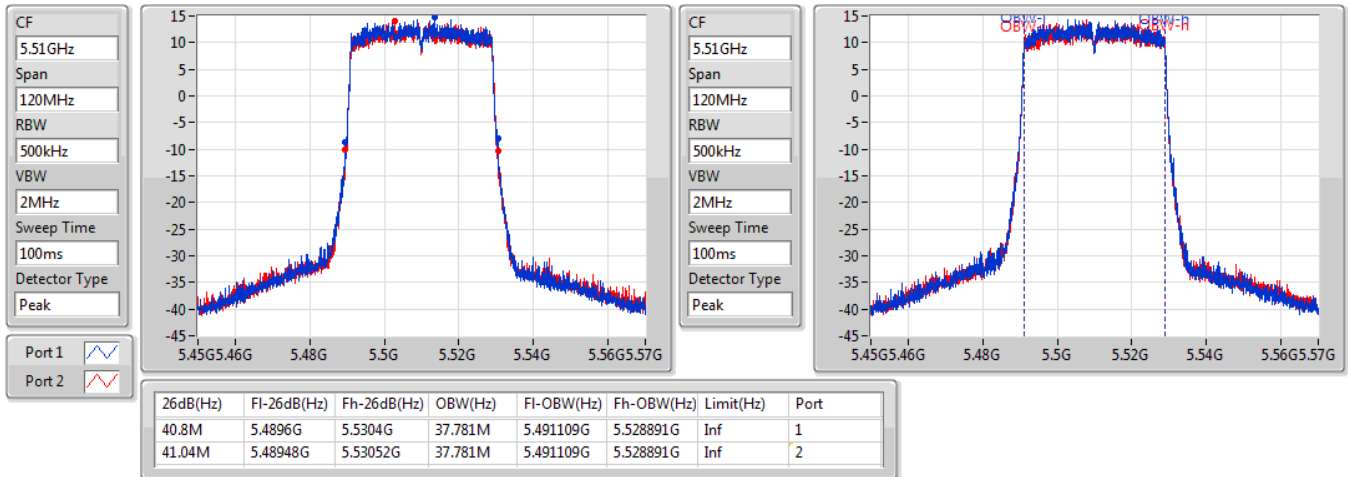

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

15/08/2020

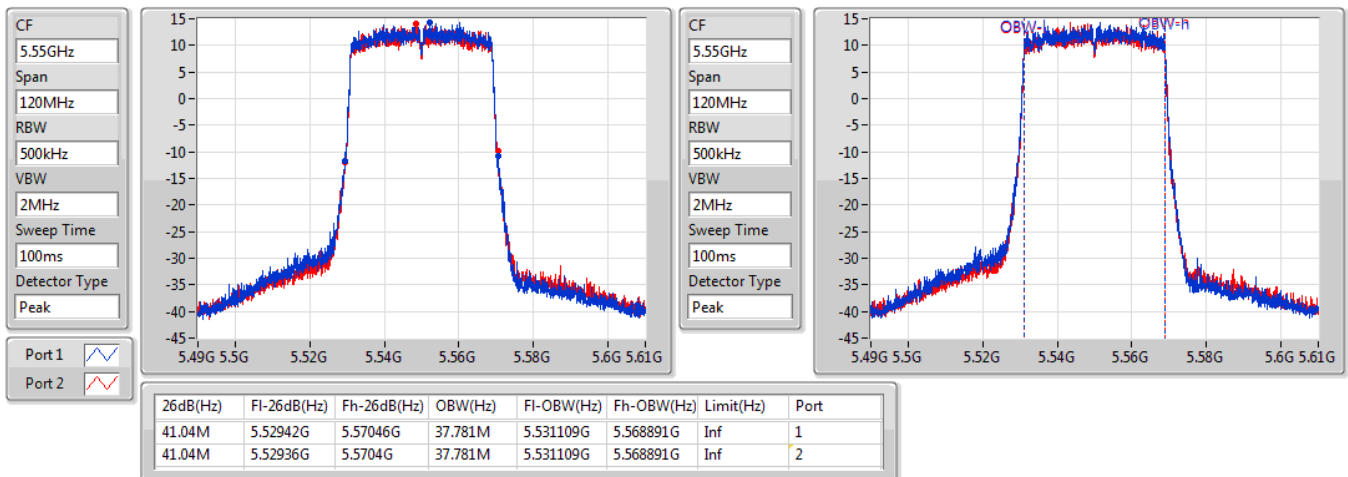


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5510MHz

15/08/2020

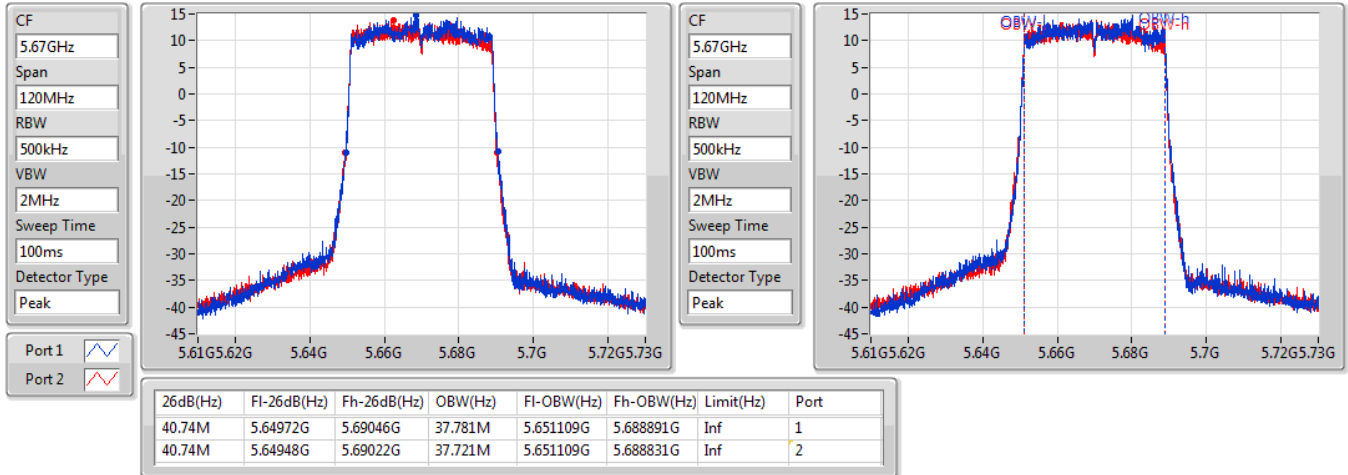

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5550MHz

15/08/2020

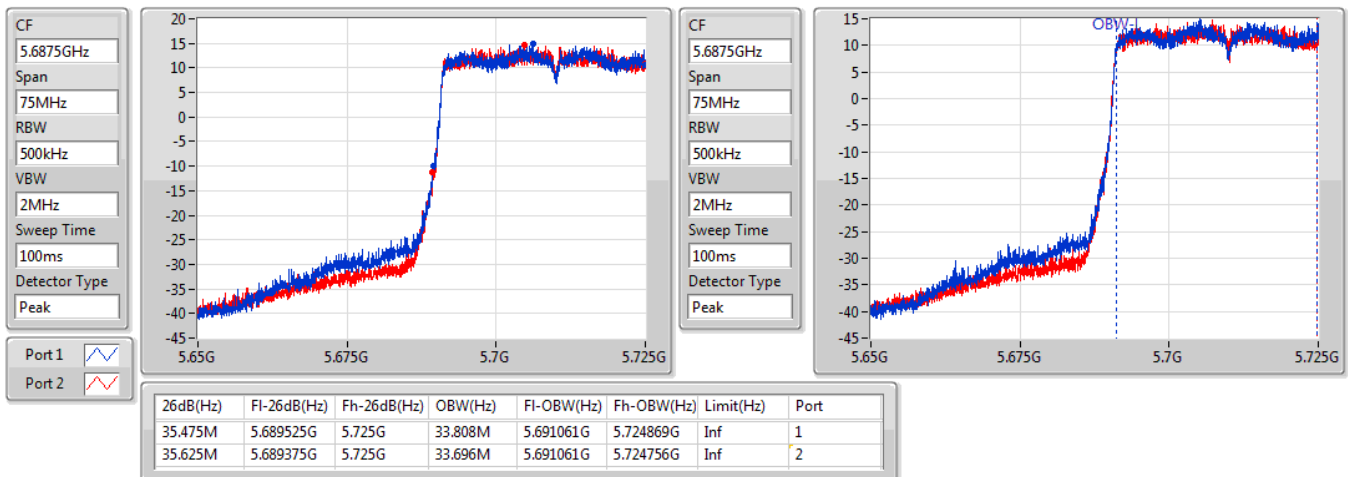


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

15/08/2020

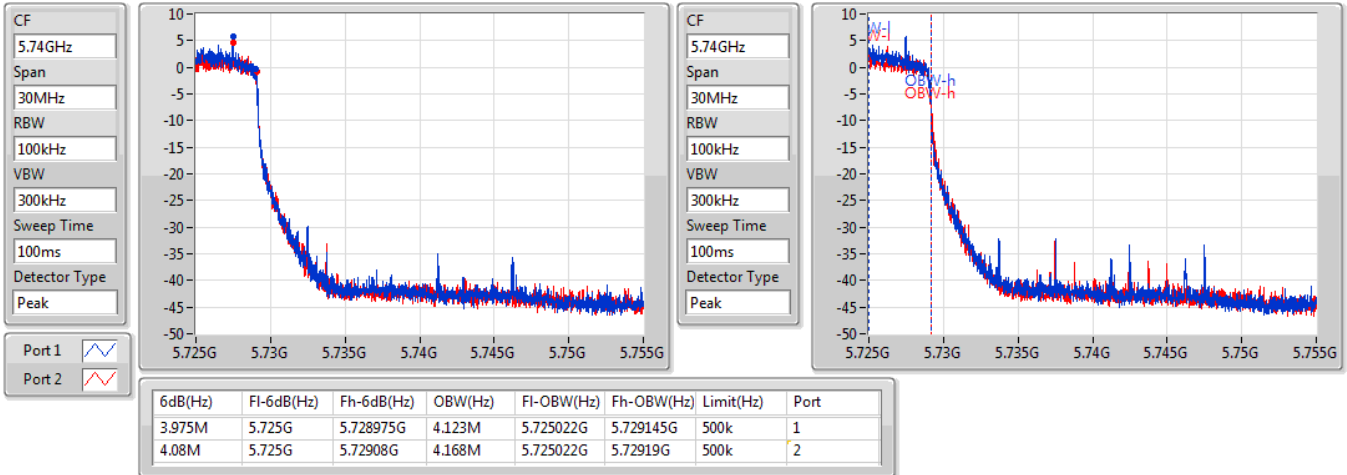

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

15/08/2020

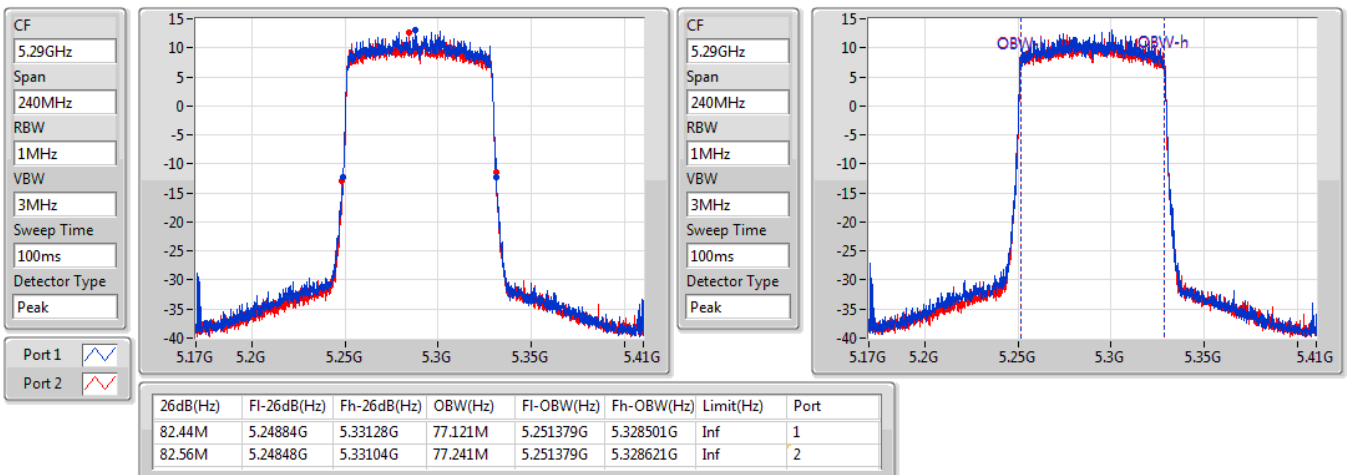


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

15/08/2020

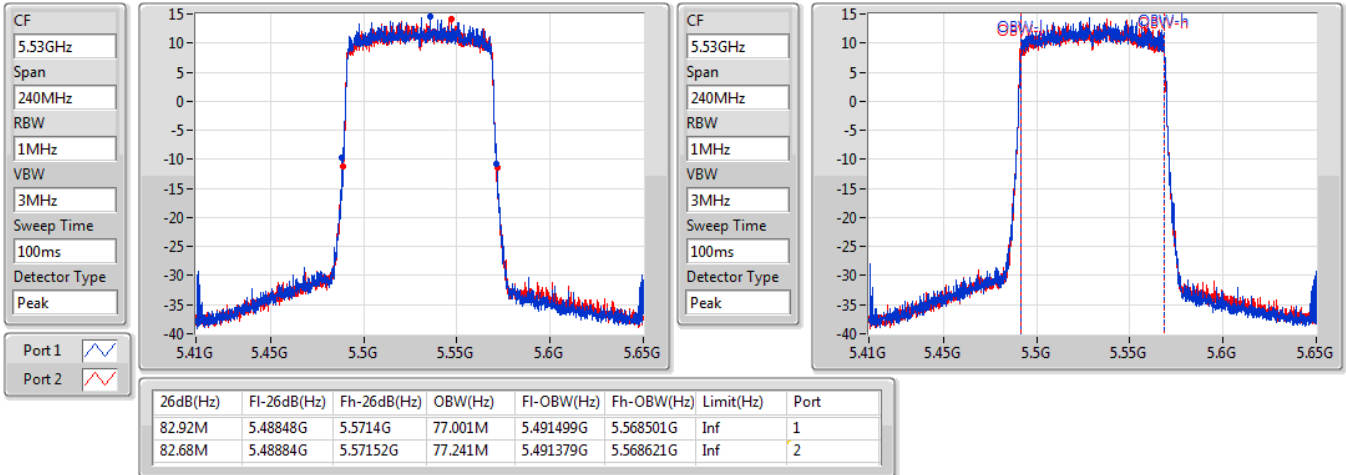

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

15/08/2020

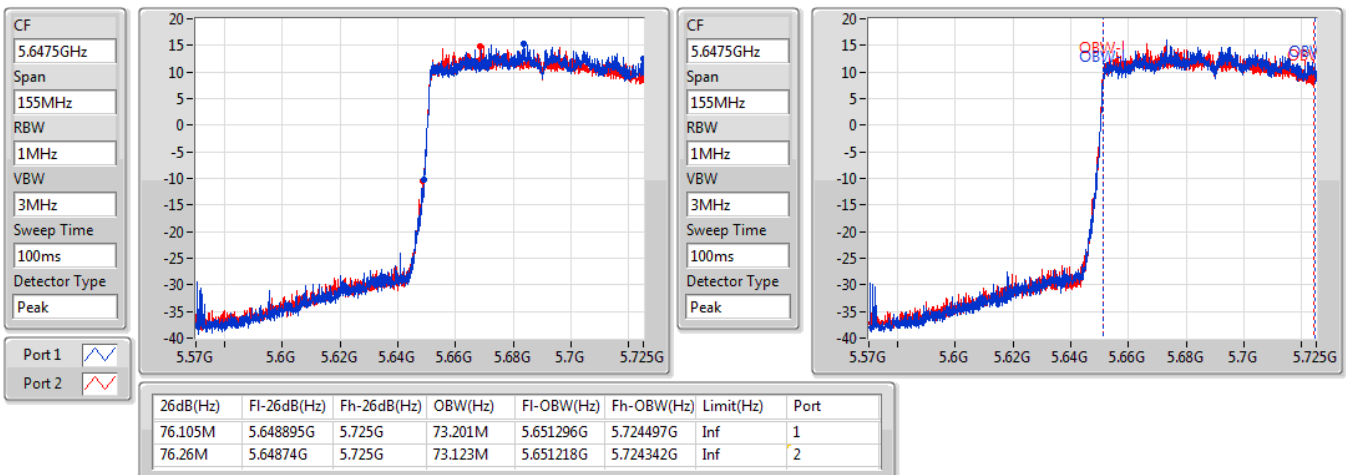


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

15/08/2020


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

15/08/2020

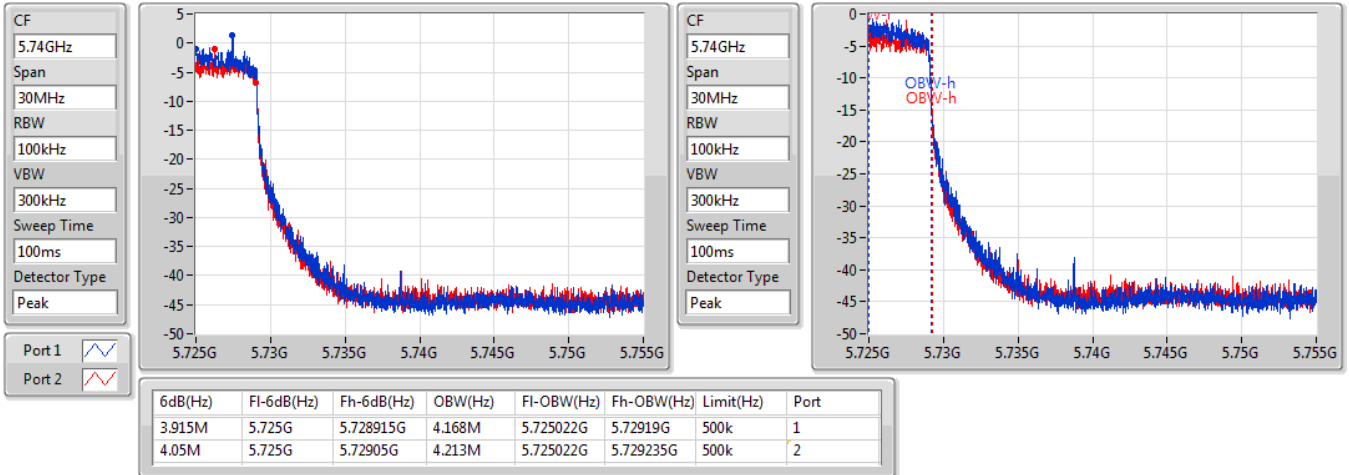


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

15/08/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	1.63	0.00146
802.11ax HEW20_Nss1,(MCS0)_2TX	1.83	0.00152
802.11ax HEW40_Nss1,(MCS0)_2TX	1.69	0.00148
802.11ax HEW80_Nss1,(MCS0)_2TX	1.94	0.00156
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	1.39	0.00138
802.11ax HEW20_Nss1,(MCS0)_2TX	1.77	0.00150
802.11ax HEW40_Nss1,(MCS0)_2TX	1.90	0.00155
802.11ax HEW80_Nss1,(MCS0)_2TX	1.63	0.00146
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-6.08	0.00025
802.11ax HEW20_Nss1,(MCS0)_2TX	-4.70	0.00034
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.69	0.00014
802.11ax HEW80_Nss1,(MCS0)_2TX	-13.05	0.00005



Average Power_Ant.1

Appendix B.1

Result

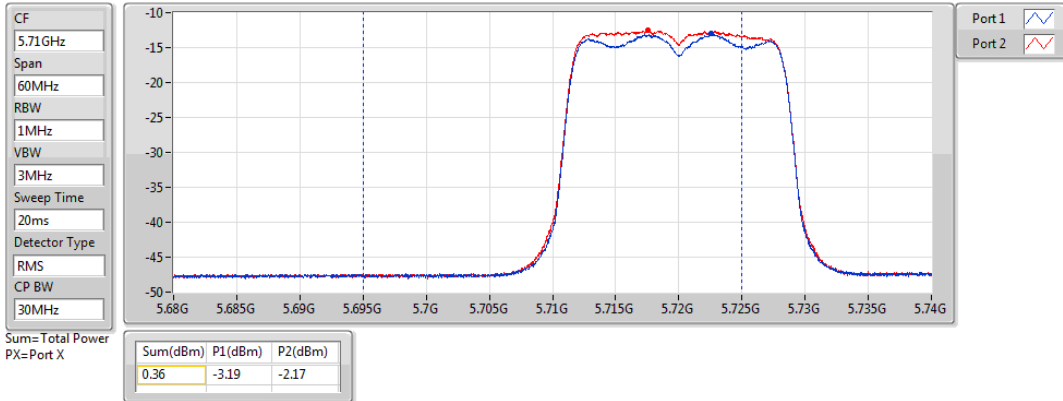
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	28.00	-2.46	-0.60	1.58	1.87
5300MHz	Pass	28.00	-2.37	-0.87	1.45	1.82
5320MHz	Pass	28.00	-1.97	-0.87	1.63	1.85
5500MHz	Pass	28.00	-2.07	-1.24	1.38	1.89
5580MHz	Pass	28.00	-2.14	-1.16	1.39	1.89
5700MHz	Pass	28.00	-2.32	-1.86	0.93	1.91
5720MHz Straddle 5.47-5.725GHz	Pass	28.00	-3.19	-2.17	0.36	0.74
5720MHz Straddle 5.725-5.85GHz	Pass	28.00	-9.49	-8.72	-6.08	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	28.00	-2.14	-0.39	1.83	1.98
5300MHz	Pass	28.00	-2.24	-0.70	1.61	1.98
5320MHz	Pass	28.00	-2.28	-1.06	1.38	1.98
5500MHz	Pass	28.00	-1.81	-0.74	1.77	1.98
5580MHz	Pass	28.00	-1.87	-0.78	1.72	1.98
5700MHz	Pass	28.00	-1.78	-1.19	1.54	1.98
5720MHz Straddle 5.47-5.725GHz	Pass	28.00	-2.91	-1.89	0.64	0.92
5720MHz Straddle 5.725-5.85GHz	Pass	28.00	-8.08	-7.37	-4.70	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	28.00	-2.15	-0.72	1.63	1.98
5310MHz	Pass	28.00	-2.08	-0.67	1.69	1.98
5510MHz	Pass	28.00	-1.62	-0.65	1.90	1.98
5550MHz	Pass	28.00	-1.81	-0.82	1.72	1.98
5670MHz	Pass	28.00	-1.97	-0.68	1.73	1.98
5710MHz Straddle 5.47-5.725GHz	Pass	28.00	-2.14	-0.80	1.59	1.98
5710MHz Straddle 5.725-5.85GHz	Pass	28.00	-12.03	-11.39	-8.69	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	28.00	-1.85	-0.41	1.94	1.98
5530MHz	Pass	28.00	-1.87	-0.94	1.63	1.98
5690MHz Straddle 5.47-5.725GHz	Pass	28.00	-2.01	-1.07	1.50	1.98
5690MHz Straddle 5.725-5.85GHz	Pass	28.00	-15.96	-16.16	-13.05	30.00

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

802.11a_Nss1,(6Mbps)_2TX

AV Power

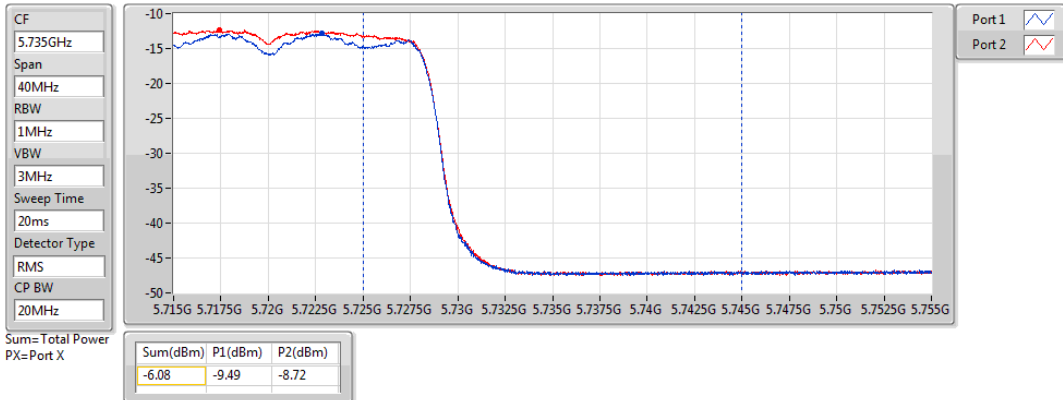
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_2TX

AV Power

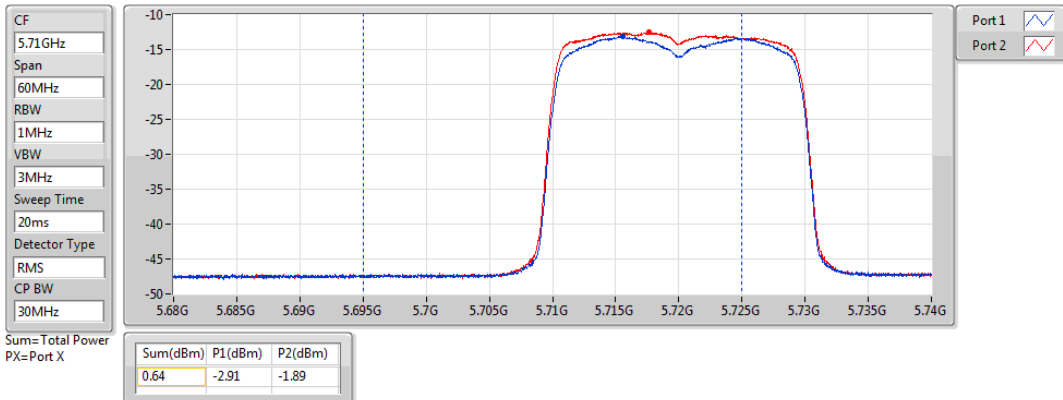
5720MHz Straddle 5.725-5.85GHz



802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

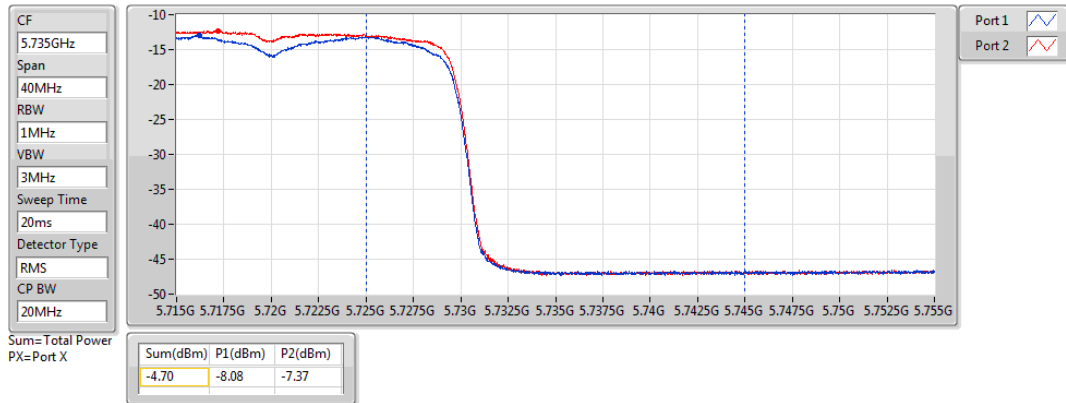
5720MHz Straddle 5.47-5.725GHz



802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

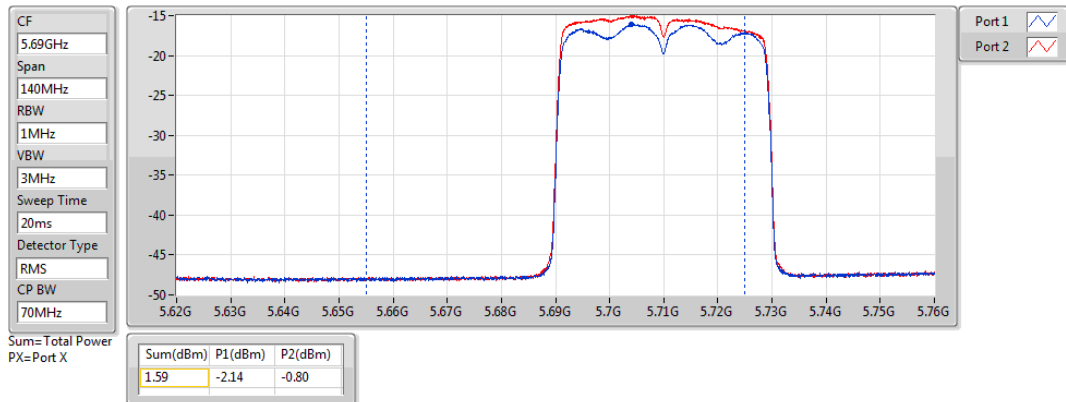
5720MHz Straddle 5.725-5.85GHz



802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

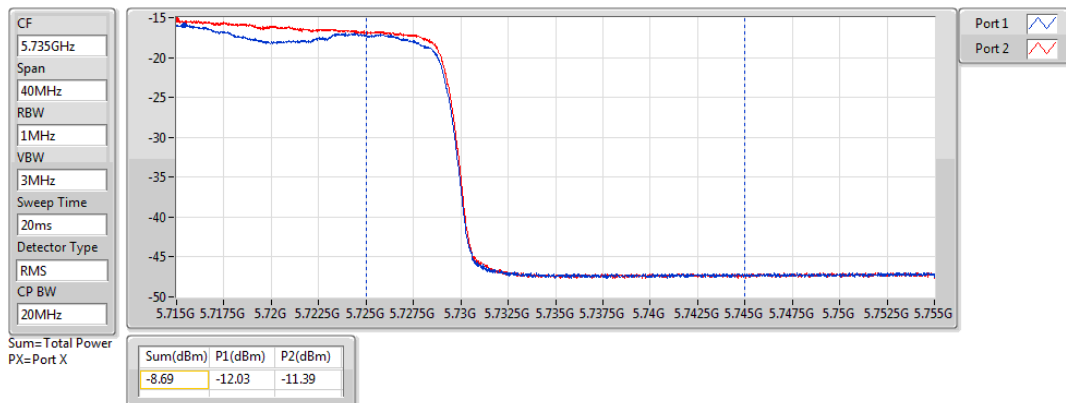
5710MHz Straddle 5.47-5.725GHz



802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

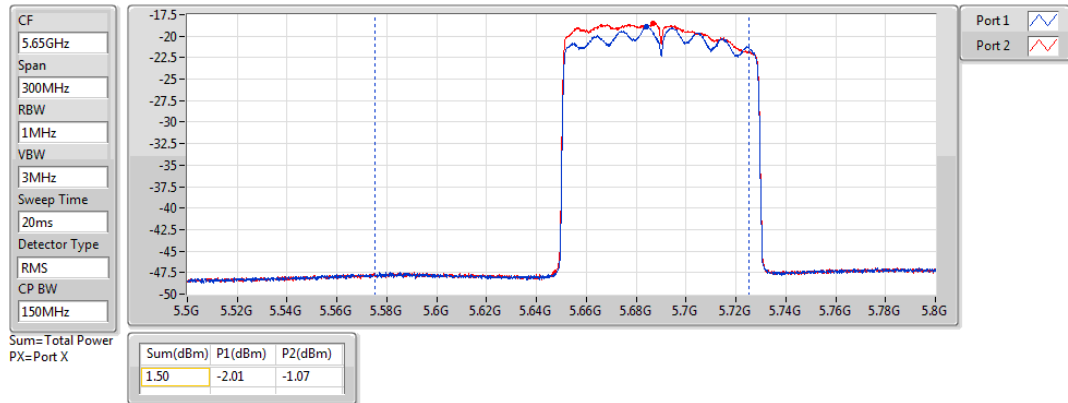
5710MHz Straddle 5.725-5.85GHz



802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

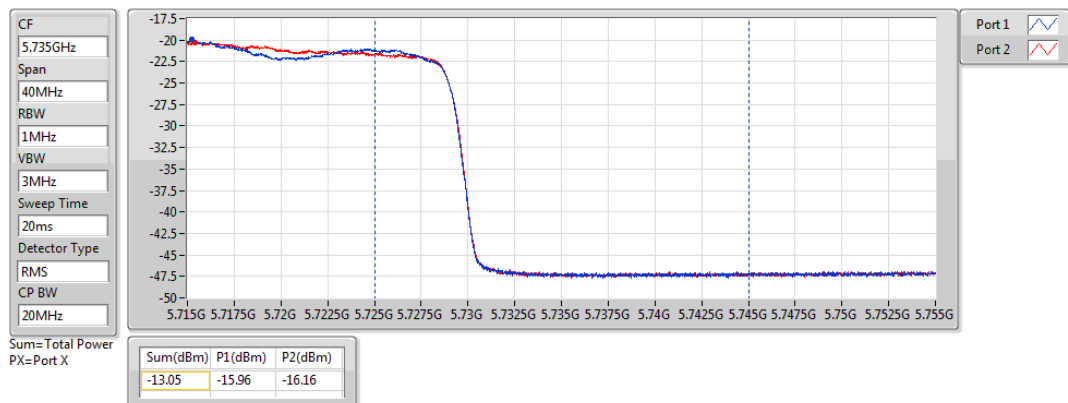
5690MHz Straddle 5.47-5.725GHz



802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.29	0.21330
802.11ax HEW20_Nss1,(MCS0)_2TX	23.41	0.21928
802.11ax HEW40_Nss1,(MCS0)_2TX	23.65	0.23174
802.11ax HEW80_Nss1,(MCS0)_2TX	21.49	0.14093
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.31	0.21429
802.11ax HEW20_Nss1,(MCS0)_2TX	23.58	0.22803
802.11ax HEW40_Nss1,(MCS0)_2TX	23.92	0.24660
802.11ax HEW80_Nss1,(MCS0)_2TX	23.58	0.22803
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	15.98	0.03963
802.11ax HEW20_Nss1,(MCS0)_2TX	17.19	0.05236
802.11ax HEW40_Nss1,(MCS0)_2TX	13.53	0.02254
802.11ax HEW80_Nss1,(MCS0)_2TX	8.96	0.00787



Average Power_Ant.3

Appendix B.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	2.00	20.43	20.12	23.29	23.83
5300MHz	Pass	2.00	20.47	19.99	23.25	23.87
5320MHz	Pass	2.00	20.60	19.78	23.22	23.81
5500MHz	Pass	2.00	20.44	19.90	23.19	23.79
5580MHz	Pass	2.00	20.26	19.85	23.07	23.81
5700MHz	Pass	2.00	20.27	20.33	23.31	23.81
5720MHz Straddle 5.47-5.725GHz	Pass	2.00	19.67	19.54	22.62	22.66
5720MHz Straddle 5.725-5.85GHz	Pass	2.00	13.20	12.73	15.98	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	2.00	20.58	20.21	23.41	23.98
5300MHz	Pass	2.00	20.59	20.11	23.37	23.98
5320MHz	Pass	2.00	20.12	19.43	22.80	23.98
5500MHz	Pass	2.00	20.69	20.03	23.38	23.98
5580MHz	Pass	2.00	20.78	20.34	23.58	23.98
5700MHz	Pass	2.00	20.57	20.44	23.52	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.00	19.85	19.73	22.80	22.89
5720MHz Straddle 5.725-5.85GHz	Pass	2.00	14.40	13.95	17.19	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	2.00	20.86	20.41	23.65	23.98
5310MHz	Pass	2.00	18.92	18.35	21.65	23.98
5510MHz	Pass	2.00	21.06	20.75	23.92	23.98
5550MHz	Pass	2.00	20.94	20.68	23.82	23.98
5670MHz	Pass	2.00	20.92	20.44	23.70	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	2.00	20.85	20.78	23.83	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	2.00	10.83	10.19	13.53	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	2.00	18.72	18.22	21.49	23.98
5530MHz	Pass	2.00	20.18	19.86	23.03	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	2.00	20.68	20.46	23.58	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	2.00	6.51	5.31	8.96	30.00

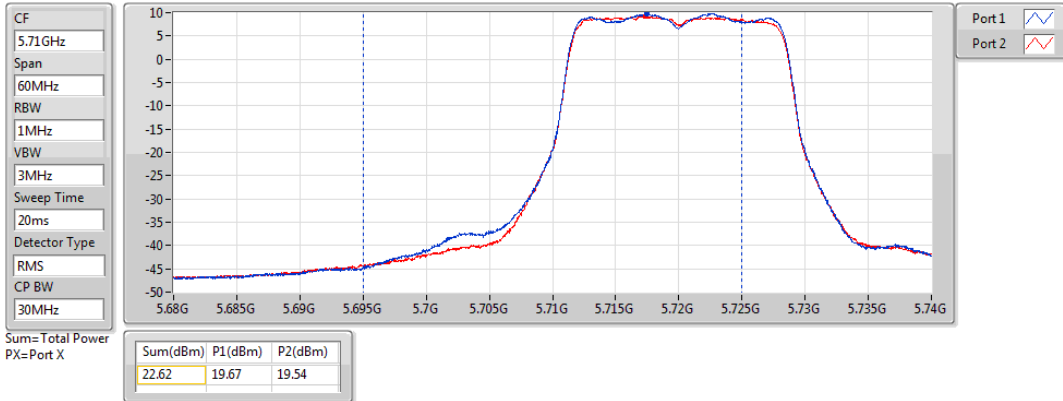
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

15/08/2020

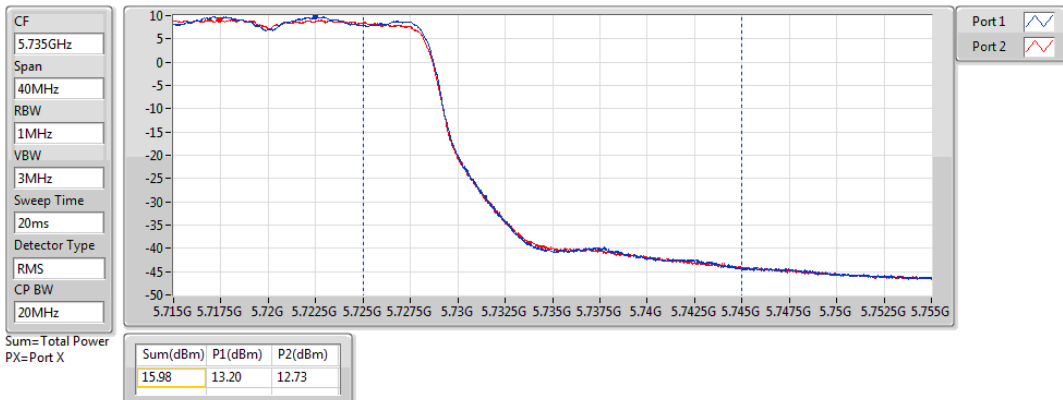


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

15/08/2020

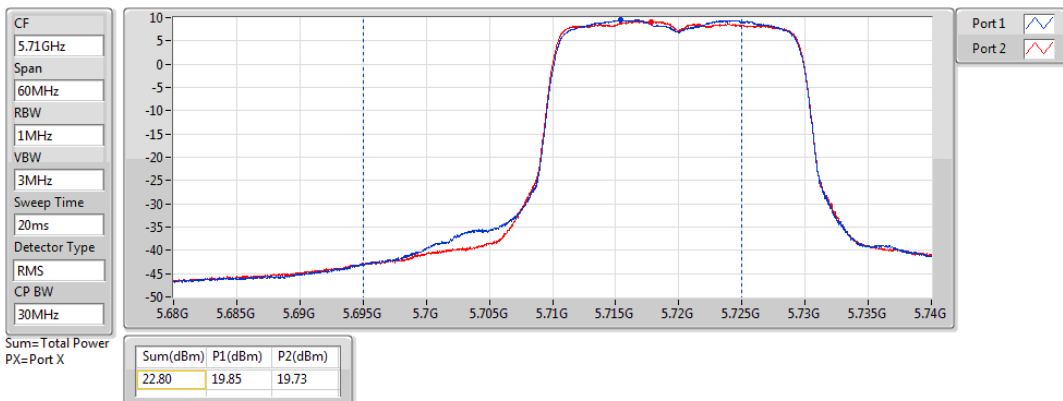


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz

15/08/2020

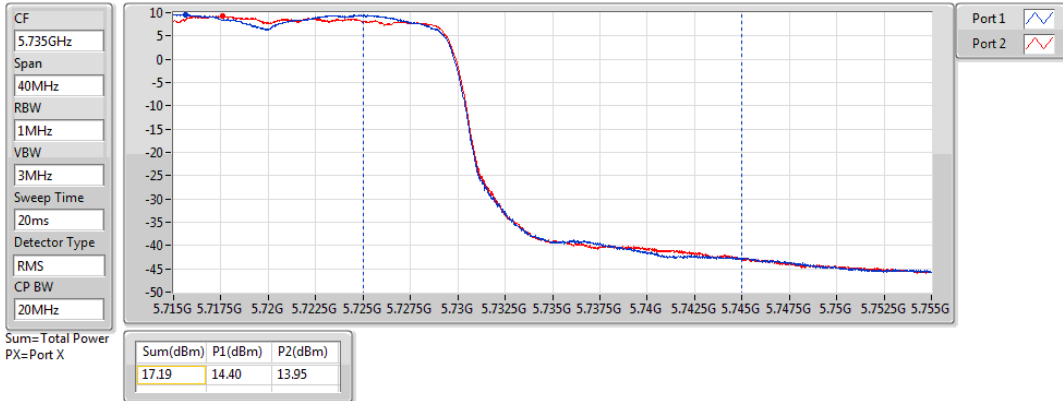


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz

15/08/2020

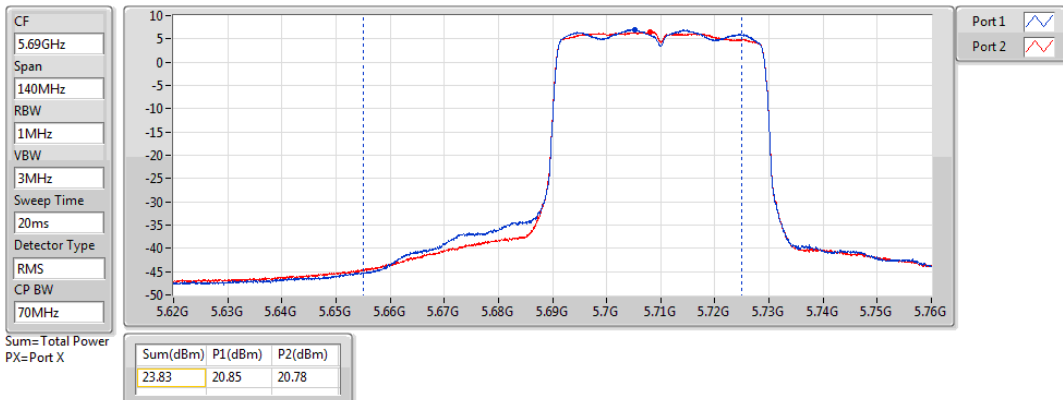


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz

15/08/2020

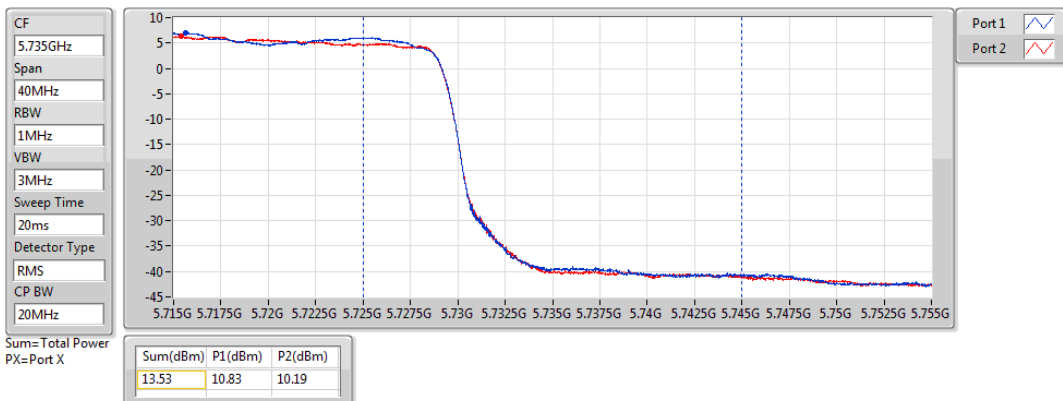


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz

15/08/2020

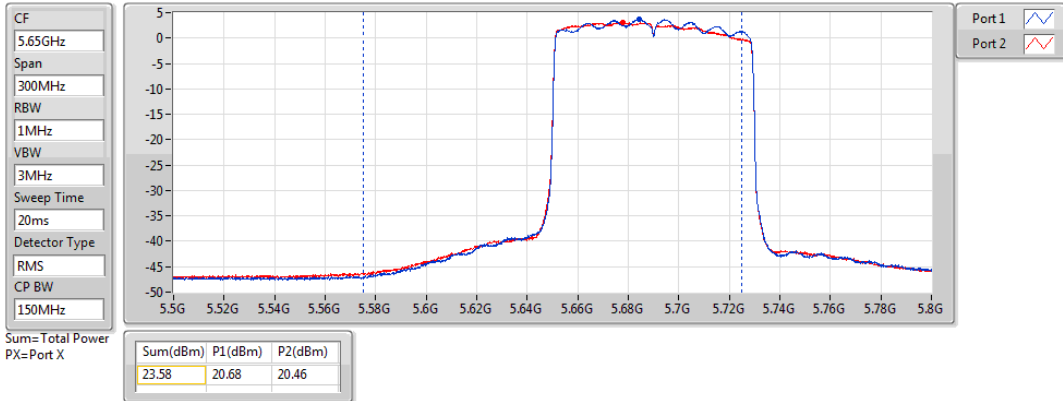


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz

15/08/2020

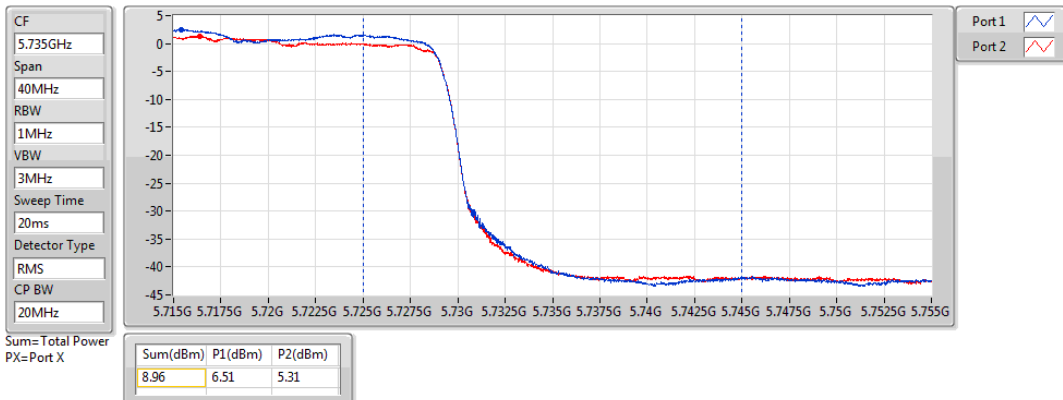


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz

15/08/2020



Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	-11.01
802.11ax HEW20_Nss1,(MCS0)_2TX	-11.05
802.11ax HEW40_Nss1,(MCS0)_2TX	-14.40
802.11ax HEW80_Nss1,(MCS0)_2TX	-17.21
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	-11.30
802.11ax HEW20_Nss1,(MCS0)_2TX	-11.25
802.11ax HEW40_Nss1,(MCS0)_2TX	-13.85
802.11ax HEW80_Nss1,(MCS0)_2TX	-17.27
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	-13.60
802.11ax HEW20_Nss1,(MCS0)_2TX	-13.15
802.11ax HEW40_Nss1,(MCS0)_2TX	-16.61
802.11ax HEW80_Nss1,(MCS0)_2TX	-21.30

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	28.00	-14.76	-13.25	-11.24	-11.00
5300MHz	Pass	28.00	-14.85	-13.64	-11.34	-11.00
5320MHz	Pass	28.00	-14.34	-13.61	-11.01	-11.00
5500MHz	Pass	28.00	-14.66	-13.82	-11.30	-11.00
5580MHz	Pass	28.00	-14.75	-13.77	-11.34	-11.00
5700MHz	Pass	28.00	-14.45	-14.27	-11.40	-11.00
5720MHz Straddle 5.47-5.725GHz	Pass	28.00	-14.62	-14.03	-11.34	-11.00
5720MHz Straddle 5.725-5.85GHz	Pass	28.00	-16.88	-16.24	-13.60	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	28.00	-14.49	-13.42	-11.05	-11.00
5300MHz	Pass	28.00	-14.59	-13.70	-11.16	-11.00
5320MHz	Pass	28.00	-14.67	-13.95	-11.39	-11.00
5500MHz	Pass	28.00	-14.75	-13.84	-11.28	-11.00
5580MHz	Pass	28.00	-14.82	-13.58	-11.25	-11.00
5700MHz	Pass	28.00	-14.60	-14.34	-11.50	-11.00
5720MHz Straddle 5.47-5.725GHz	Pass	28.00	-14.68	-14.09	-11.44	-11.00
5720MHz Straddle 5.725-5.85GHz	Pass	28.00	-16.18	-16.12	-13.15	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	28.00	-18.00	-17.10	-14.63	-11.00
5310MHz	Pass	28.00	-17.79	-16.93	-14.40	-11.00
5510MHz	Pass	28.00	-17.66	-16.83	-14.27	-11.00
5550MHz	Pass	28.00	-18.11	-16.86	-14.43	-11.00
5670MHz	Pass	28.00	-17.93	-16.79	-14.35	-11.00
5710MHz Straddle 5.47-5.725GHz	Pass	28.00	-17.31	-16.44	-13.85	-11.00
5710MHz Straddle 5.725-5.85GHz	Pass	28.00	-19.74	-19.50	-16.61	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	28.00	-20.66	-19.65	-17.21	-11.00
5530MHz	Pass	28.00	-21.09	-20.04	-17.59	-11.00
5690MHz Straddle 5.47-5.725GHz	Pass	28.00	-20.54	-19.87	-17.27	-11.00
5690MHz Straddle 5.725-5.85GHz	Pass	28.00	-24.14	-24.47	-21.30	30.00

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

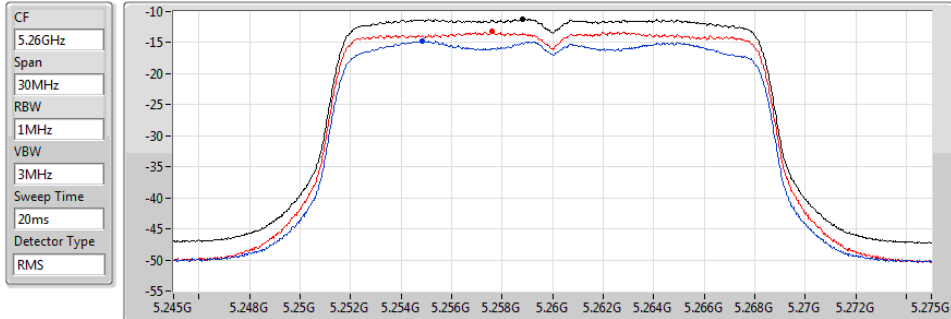
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

18/08/2020



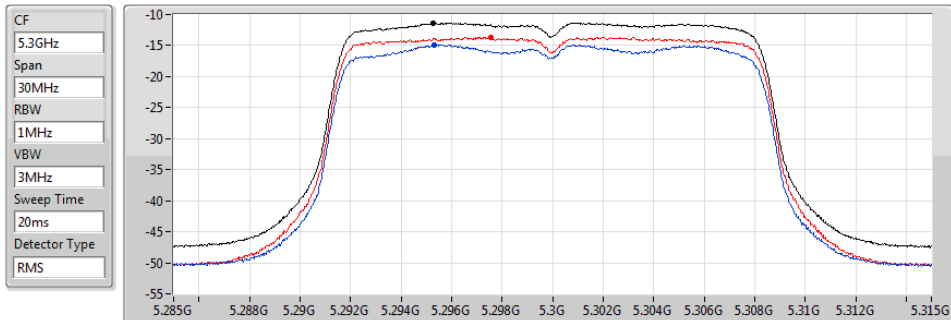
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.24	-11.24	-14.76	-13.25

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

18/08/2020



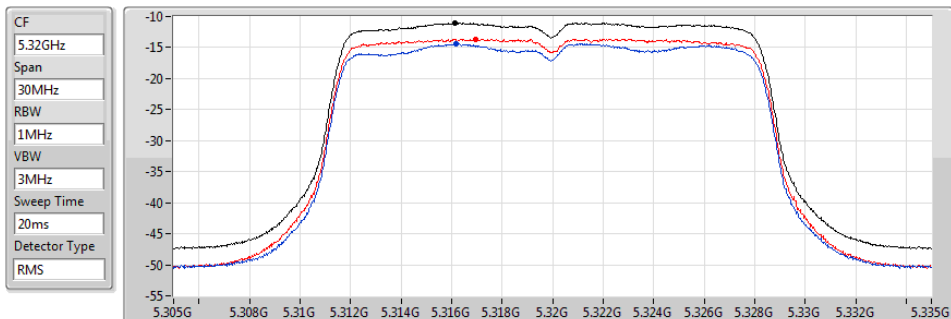
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.34	-11.34	-14.85	-13.64

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

18/08/2020



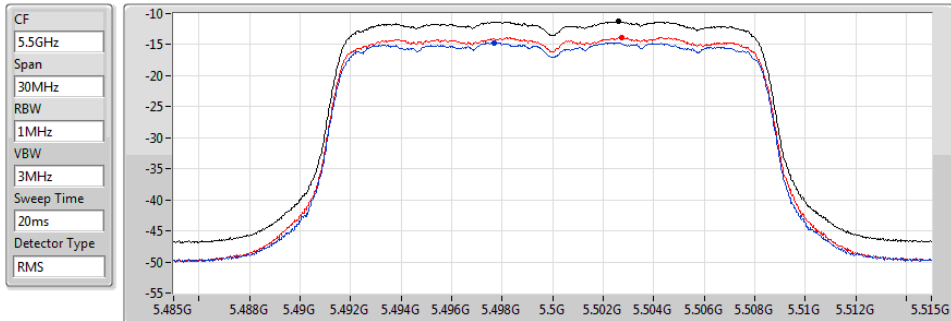
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.01	-11.01	-14.34	-13.61

802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

18/08/2020



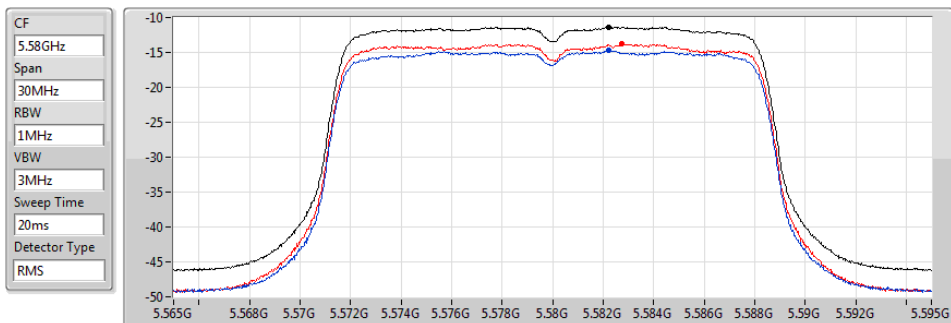
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.30	-11.30	-14.66	-13.82

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

18/08/2020



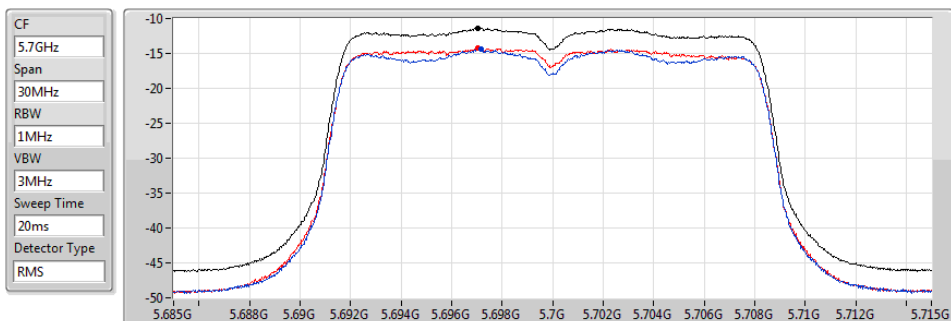
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.34	-11.34	-14.75	-13.77

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

18/08/2020



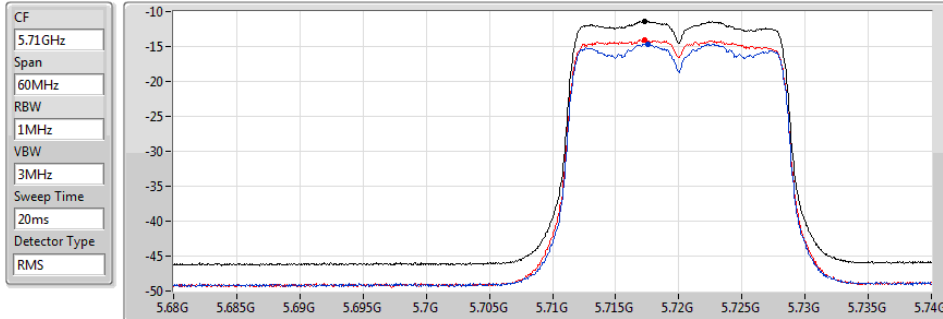
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.40	-11.40	-14.45	-14.27

802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

18/08/2020



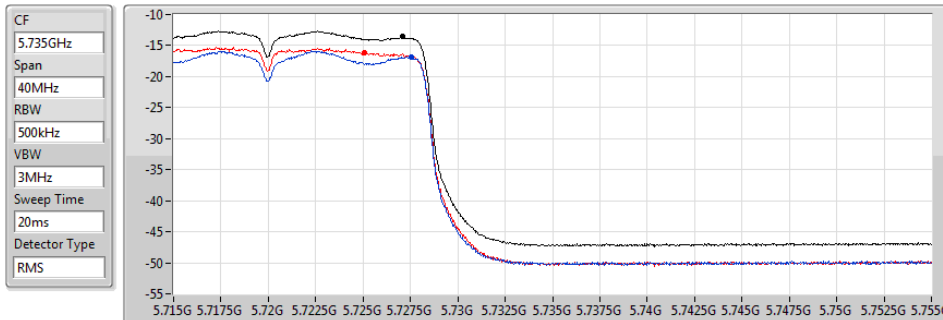
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.34	-11.34	-14.62	-14.03

802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

18/08/2020



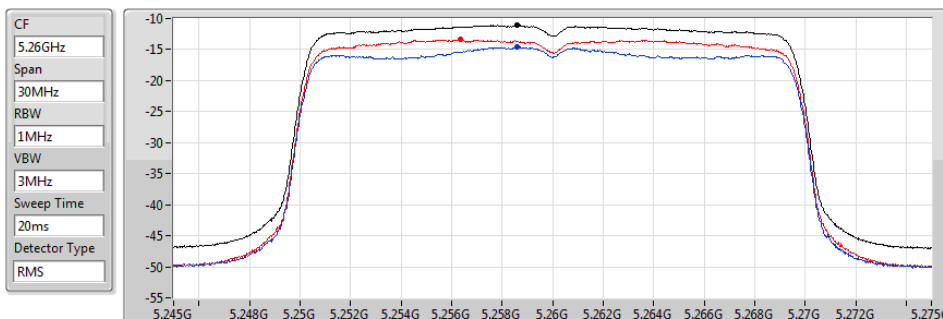
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.60	-13.60	-16.88	-16.24

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5260MHz

18/08/2020



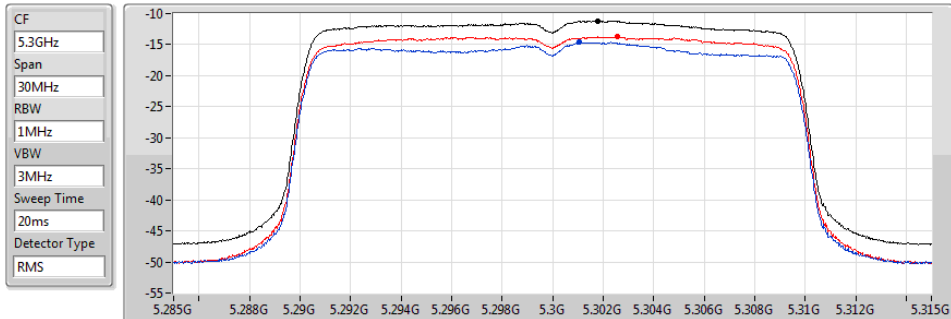
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.05	-11.05	-14.49	-13.42

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5300MHz

18/08/2020



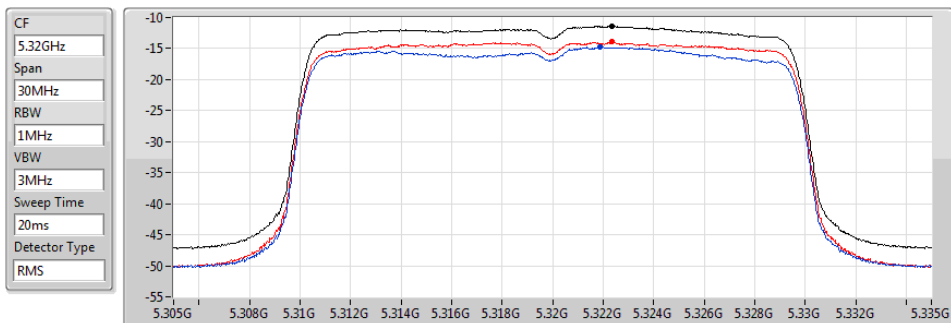
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.16	-11.16	-14.59	-13.70

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

18/08/2020



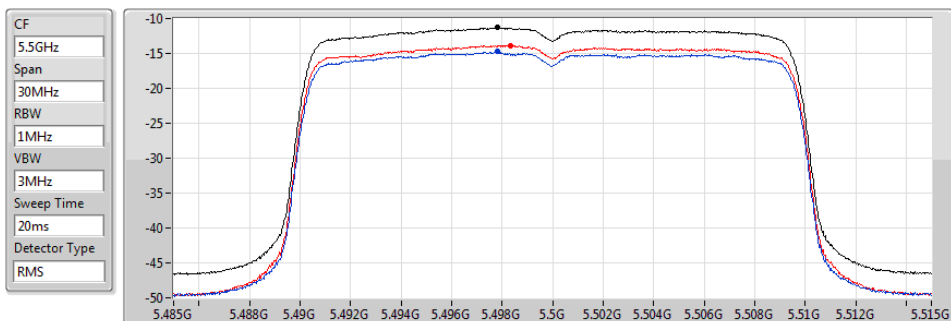
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.39	-11.39	-14.67	-13.95

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

18/08/2020



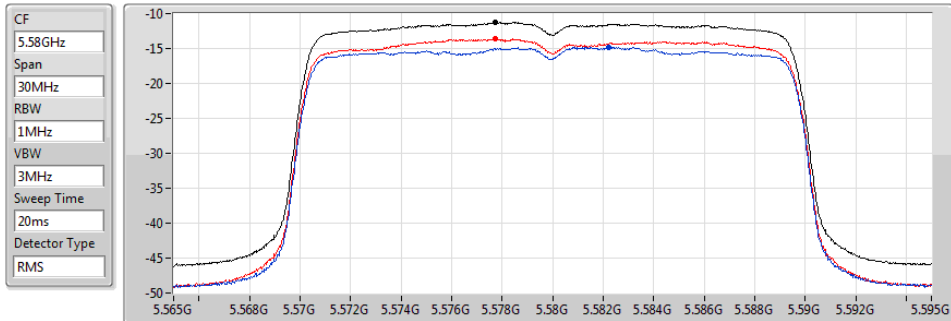
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.28	-11.28	-14.75	-13.84

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

18/08/2020



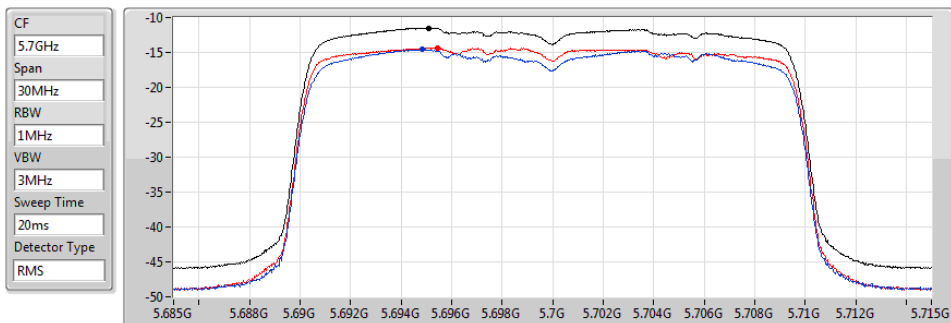
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.25	-11.25	-14.82	-13.58

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5700MHz

18/08/2020



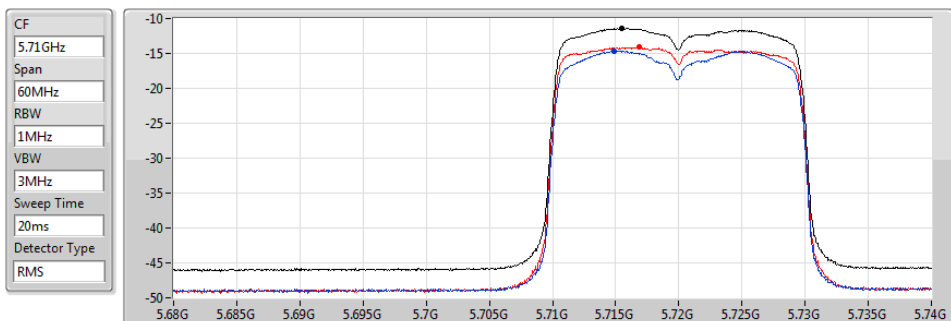
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.50	-11.50	-14.60	-14.34

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

18/08/2020



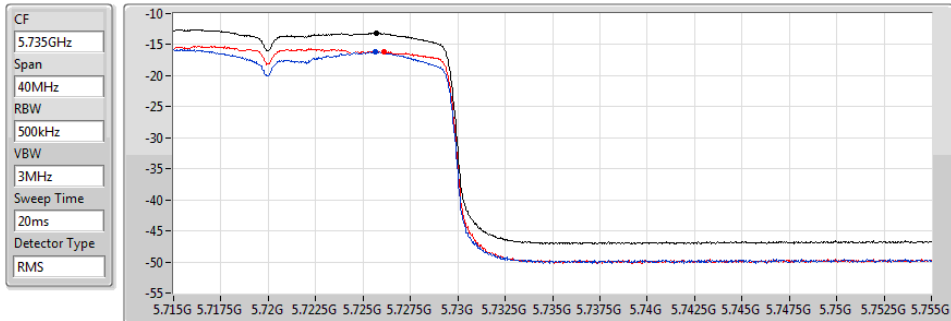
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.44	-11.44	-14.68	-14.09

802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

18/08/2020



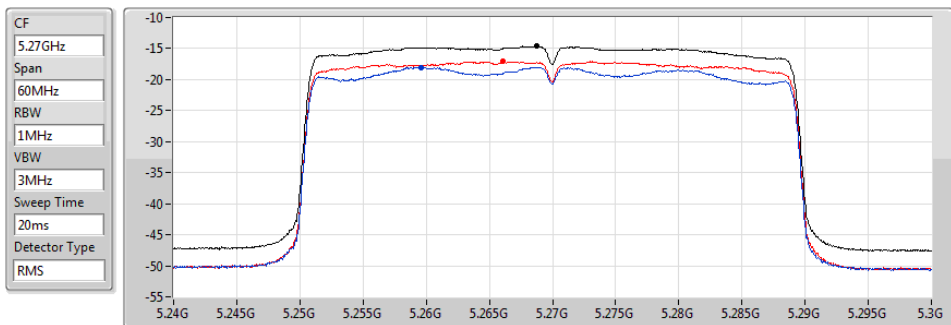
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.15	-13.15	-16.18	-16.12

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz

PSD

18/08/2020



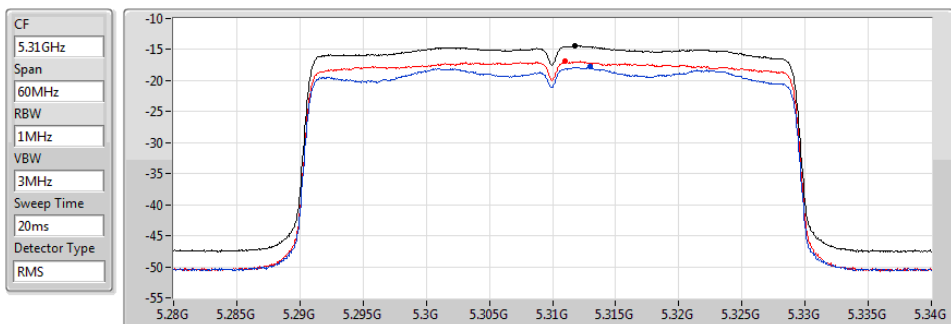
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.63	-14.63	-18.00	-17.10

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz

PSD

18/08/2020



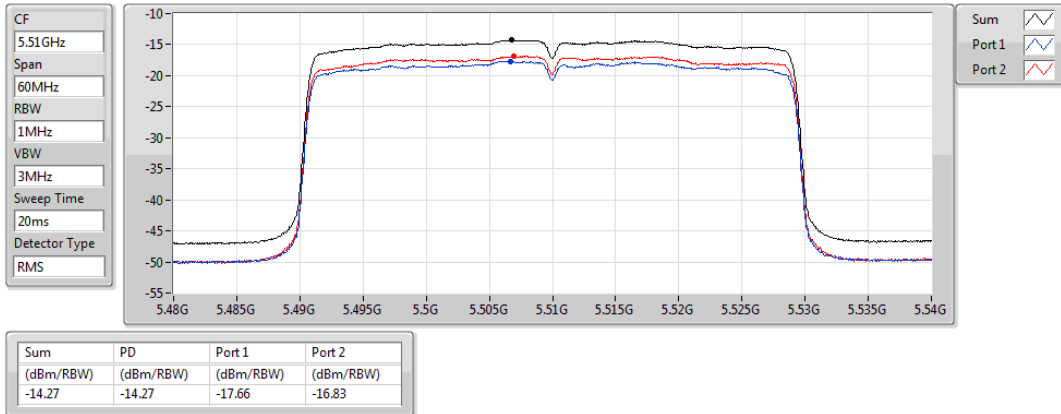
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.40	-14.40	-17.79	-16.93

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5510MHz

18/08/2020

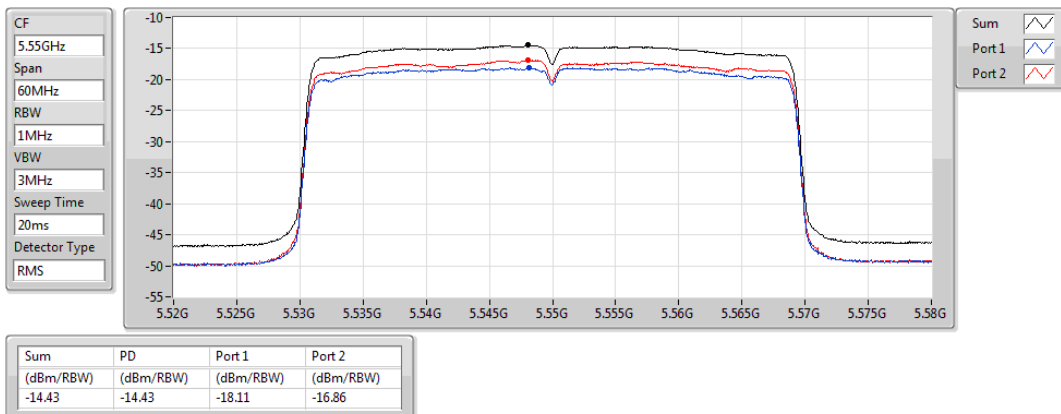


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5550MHz

18/08/2020

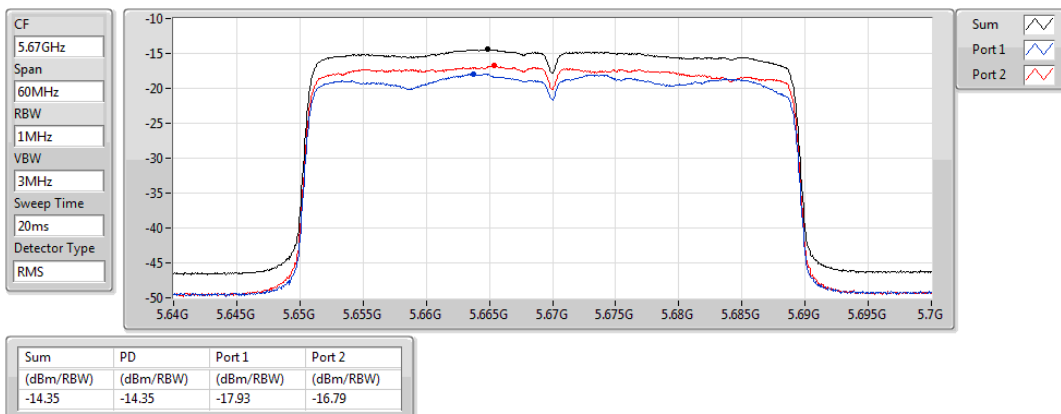


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5670MHz

18/08/2020

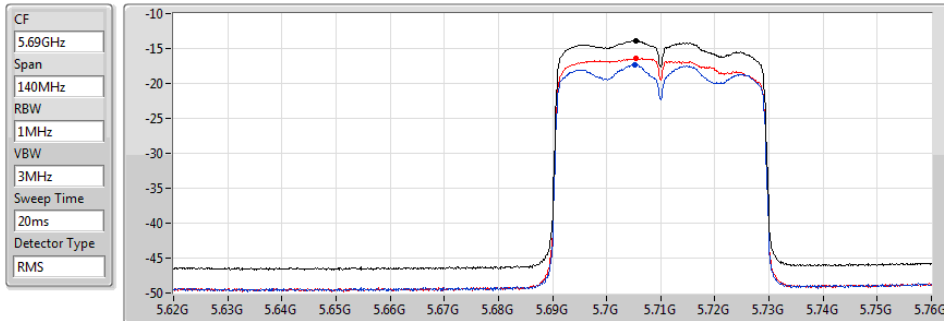


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

18/08/2020



Sum
Port 1
Port 2

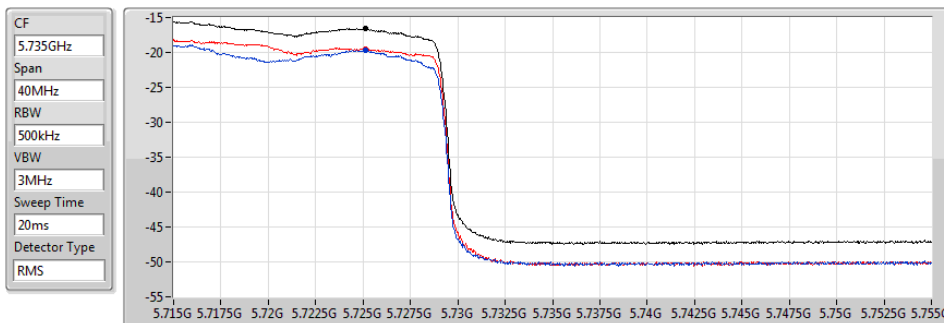
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.85	-13.85	-17.31	-16.44

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

18/08/2020



Sum
Port 1
Port 2

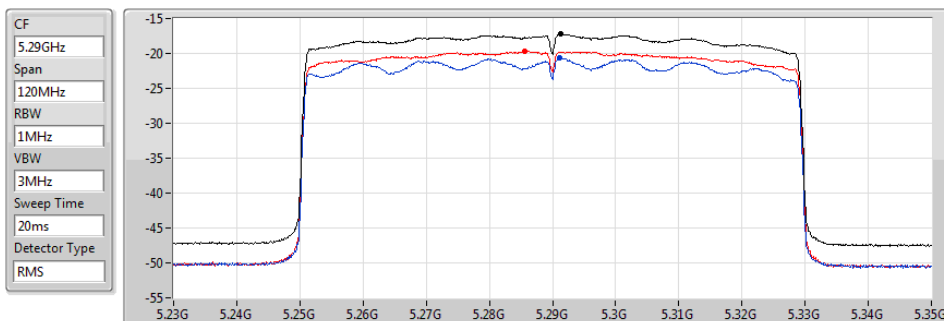
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-16.61	-16.61	-19.74	-19.50

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5290MHz

18/08/2020



Sum
Port 1
Port 2

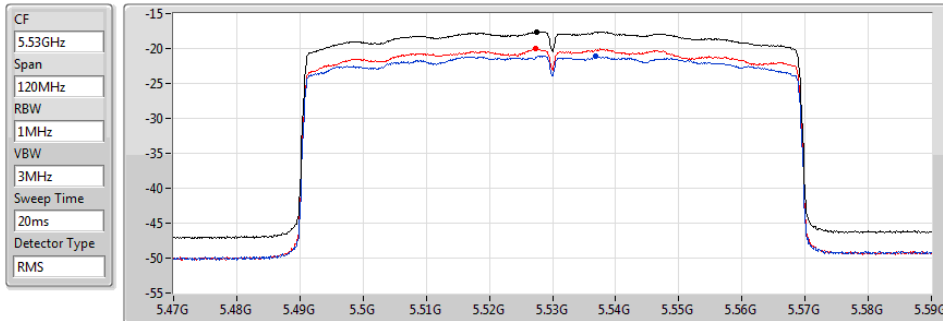
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-17.21	-17.21	-20.66	-19.65

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5530MHz

18/08/2020



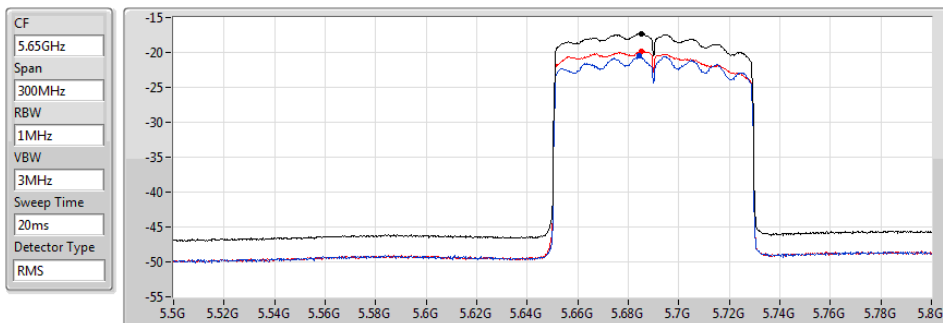
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-17.59	-17.59	-21.09	-20.04

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

18/08/2020



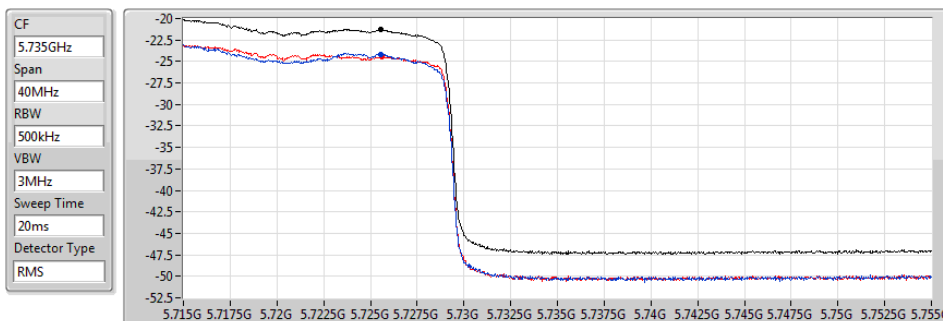
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-17.27	-17.27	-20.54	-19.87

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

18/08/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-21.30	-21.30	-24.14	-24.47

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.88
802.11ax HEW20_Nss1,(MCS0)_2TX	10.74
802.11ax HEW40_Nss1,(MCS0)_2TX	7.71
802.11ax HEW80_Nss1,(MCS0)_2TX	2.58
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.98
802.11ax HEW20_Nss1,(MCS0)_2TX	10.89
802.11ax HEW40_Nss1,(MCS0)_2TX	8.24
802.11ax HEW80_Nss1,(MCS0)_2TX	4.87
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.45
802.11ax HEW20_Nss1,(MCS0)_2TX	8.86
802.11ax HEW40_Nss1,(MCS0)_2TX	5.34
802.11ax HEW80_Nss1,(MCS0)_2TX	0.68

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	2.00	7.99	7.80	10.72	11.00
5300MHz	Pass	2.00	8.11	7.70	10.77	11.00
5320MHz	Pass	2.00	8.45	7.45	10.88	11.00
5500MHz	Pass	2.00	8.02	7.48	10.71	11.00
5580MHz	Pass	2.00	7.96	7.54	10.64	11.00
5700MHz	Pass	2.00	8.30	7.75	10.98	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.00	8.27	7.64	10.93	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.00	5.89	5.58	8.45	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	2.00	7.95	7.49	10.67	11.00
5300MHz	Pass	2.00	8.01	7.35	10.65	11.00
5320MHz	Pass	2.00	8.27	7.27	10.74	11.00
5500MHz	Pass	2.00	8.02	7.44	10.69	11.00
5580MHz	Pass	2.00	8.31	7.78	10.89	11.00
5700MHz	Pass	2.00	8.11	7.68	10.84	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.00	8.04	7.53	10.72	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.00	6.40	5.32	8.86	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	2.00	5.03	4.56	7.71	11.00
5310MHz	Pass	2.00	3.16	2.39	5.74	11.00
5510MHz	Pass	2.00	5.29	4.84	8.02	11.00
5550MHz	Pass	2.00	4.93	4.77	7.83	11.00
5670MHz	Pass	2.00	5.42	4.69	7.88	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.00	5.57	5.06	8.24	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.00	2.92	1.73	5.34	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	2.00	-0.03	-0.66	2.58	11.00
5530MHz	Pass	2.00	1.49	1.23	4.33	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.00	2.33	1.50	4.87	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.00	-1.49	-3.28	0.68	30.00

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

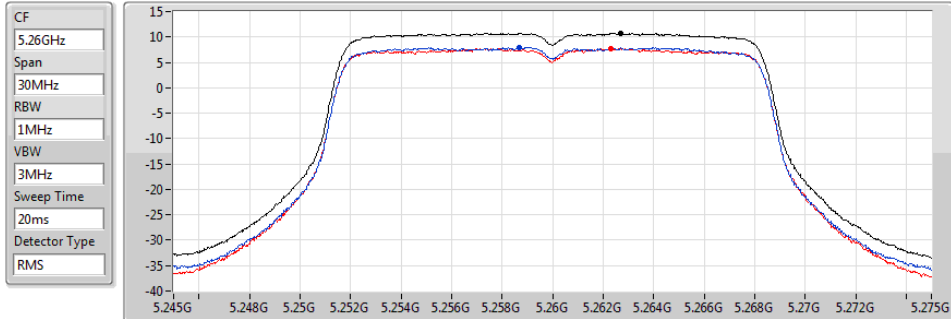
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

15/08/2020



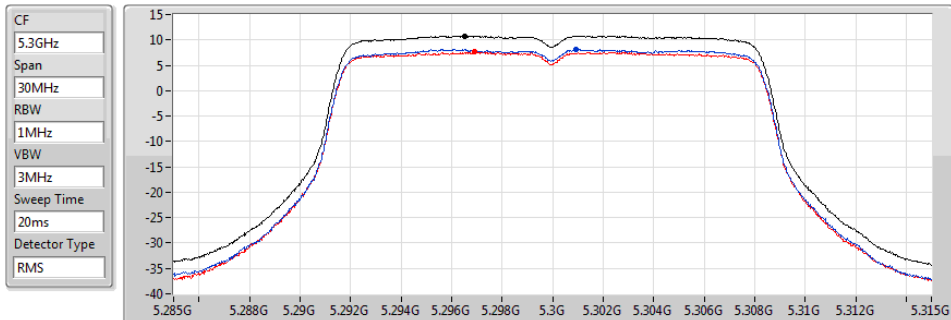
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.72	10.72	7.99	7.80

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

15/08/2020



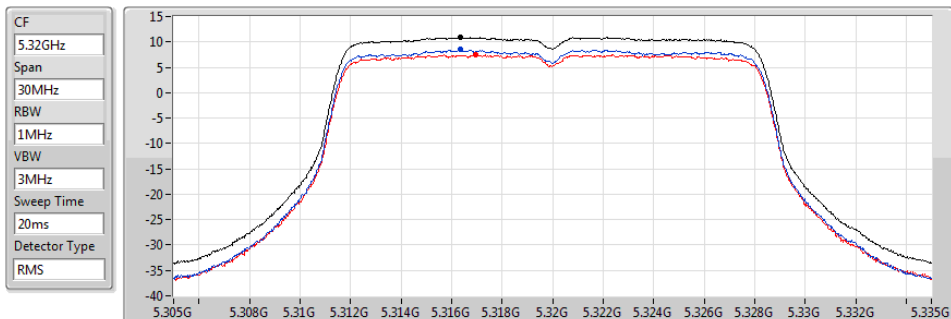
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.77	10.77	8.11	7.70

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

15/08/2020



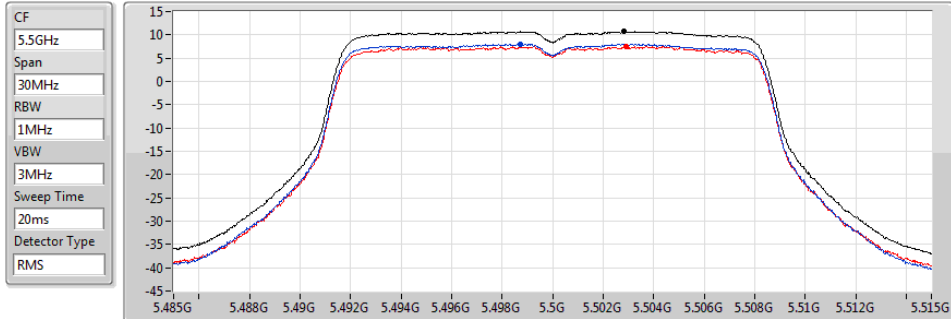
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.88	10.88	8.45	7.45

802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

15/08/2020



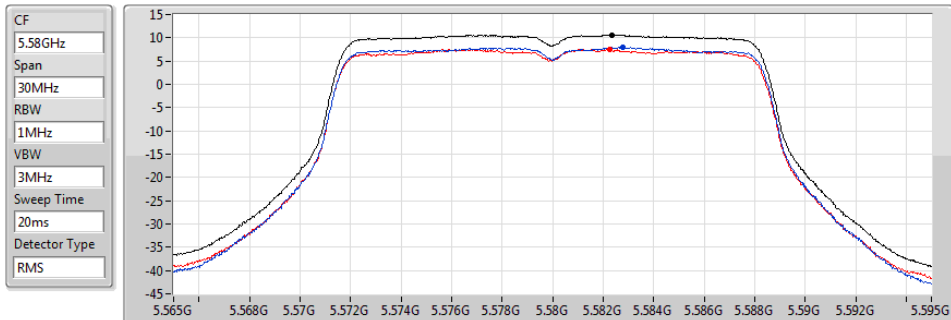
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.71	10.71	8.02	7.48

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

15/08/2020



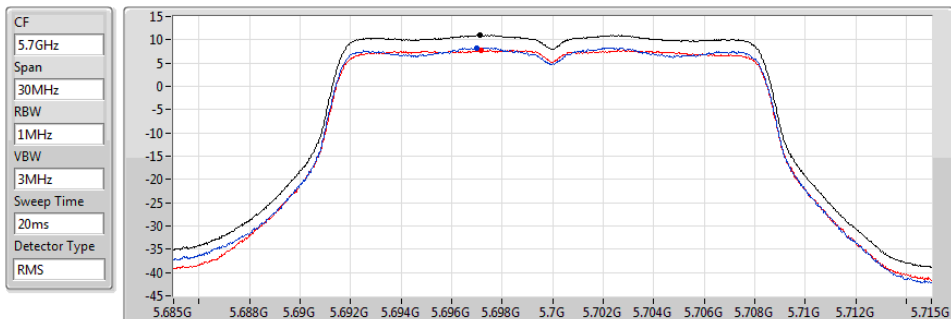
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.64	10.64	7.96	7.54

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

15/08/2020



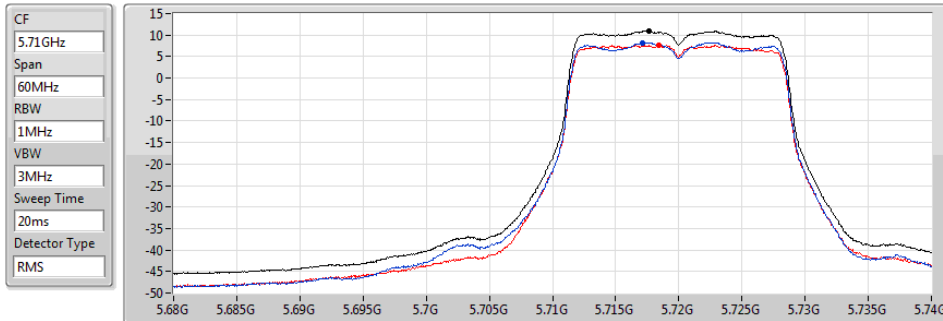
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.98	10.98	8.30	7.75

802.11a_Nss1,(6Mbps)_2TX

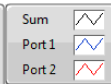
PSD

5720MHz Straddle 5.47-5.725GHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.93	10.93	8.27	7.64

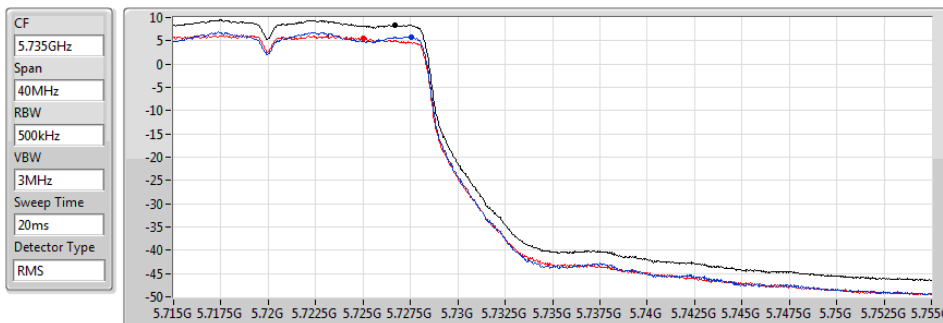


802.11a_Nss1,(6Mbps)_2TX

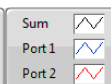
PSD

5720MHz Straddle 5.725-5.85GHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.45	8.45	5.89	5.58

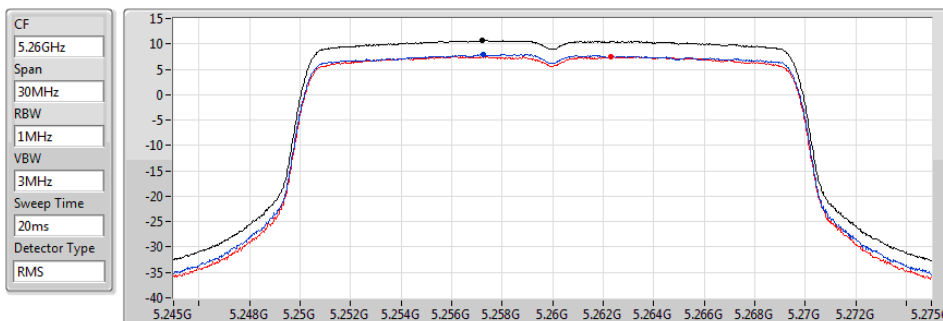


802.11ax HEW20_Nss1,(MCS0)_2TX

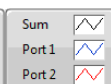
PSD

5260MHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.67	10.67	7.95	7.49

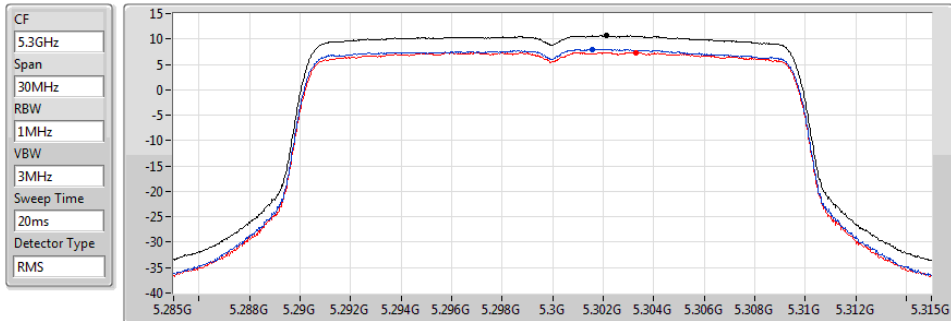


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5300MHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.65	10.65	8.01	7.35

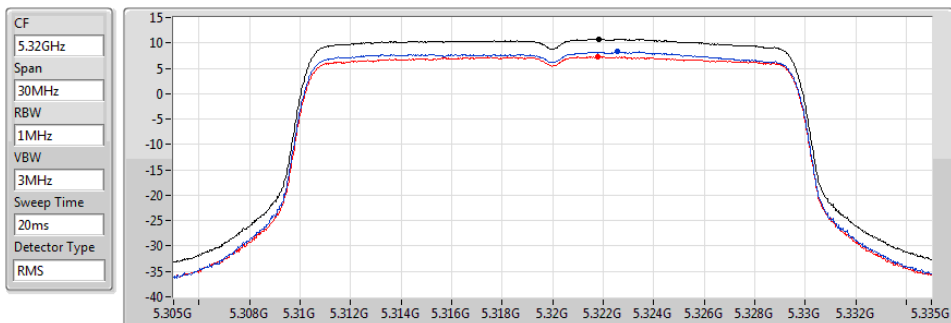
Sum
Port 1
Port 2

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.74	10.74	8.27	7.27

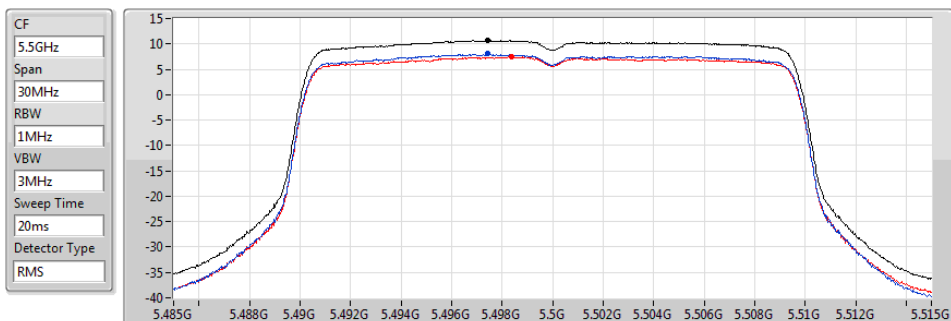
Sum
Port 1
Port 2

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.69	10.69	8.02	7.44

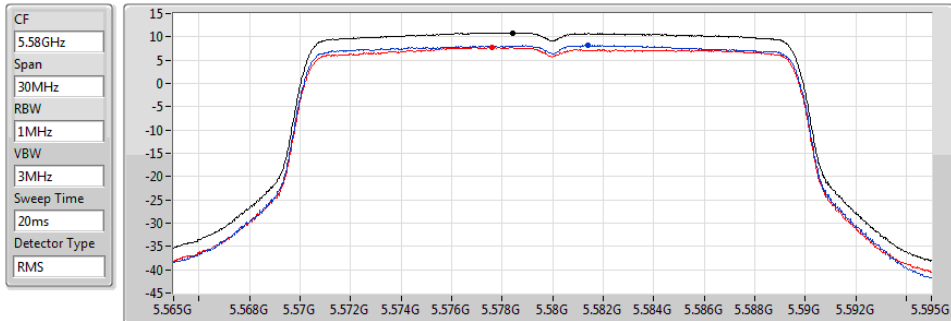
Sum
Port 1
Port 2

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

15/08/2020



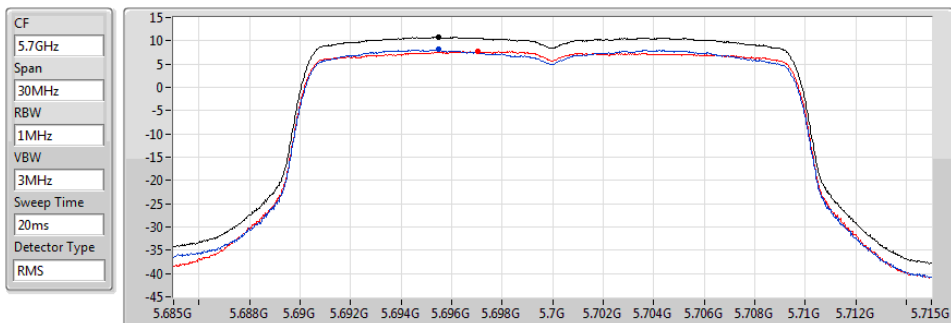
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.89	10.89	8.31	7.78

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5700MHz

15/08/2020



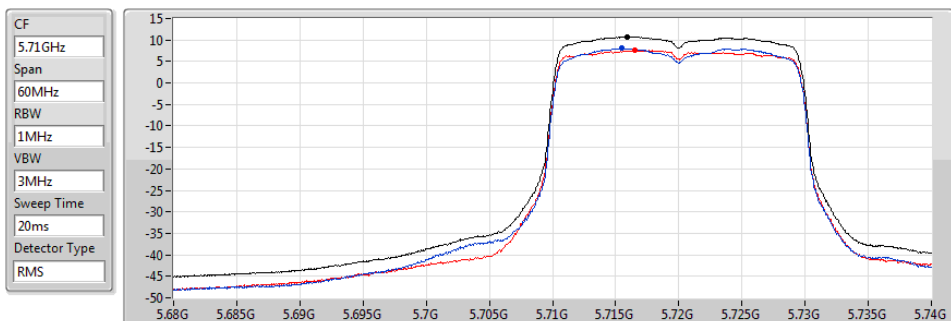
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.84	10.84	8.11	7.68

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

15/08/2020



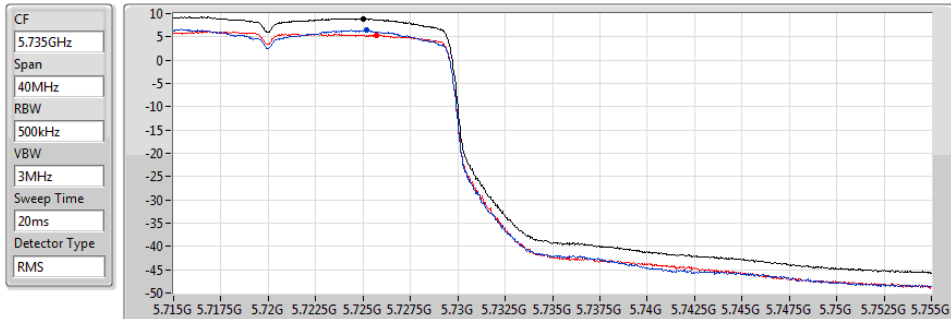
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.72	10.72	8.04	7.53

802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

15/08/2020



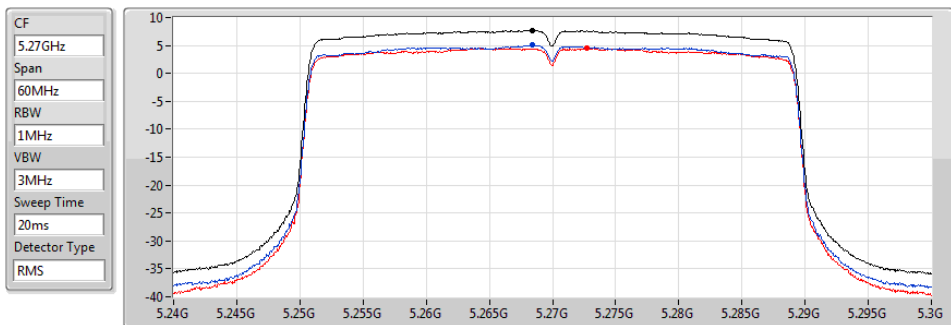
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.86	8.86	6.40	5.32

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz

PSD

15/08/2020



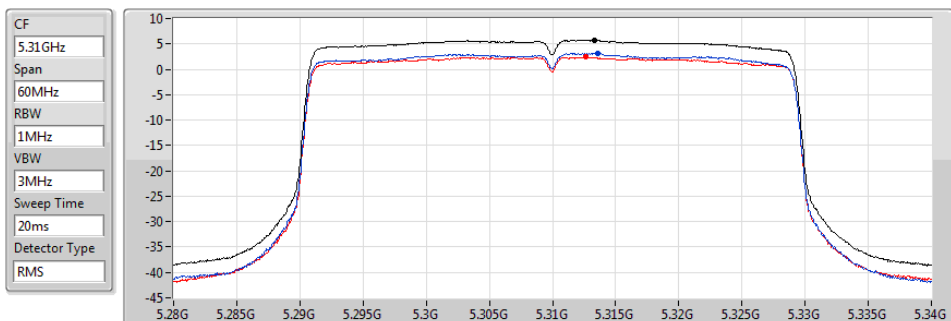
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.71	7.71	5.03	4.56

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz

PSD

15/08/2020



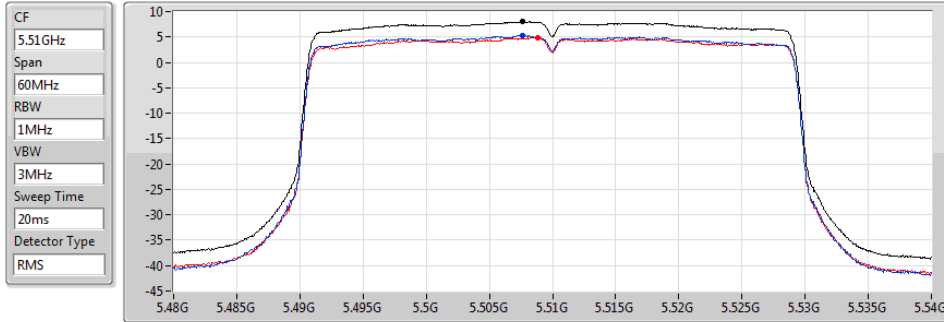
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.74	5.74	3.16	2.39

802.11ax HEW40_Nss1,(MCS0)_2TX

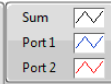
PSD

5510MHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.02	8.02	5.29	4.84

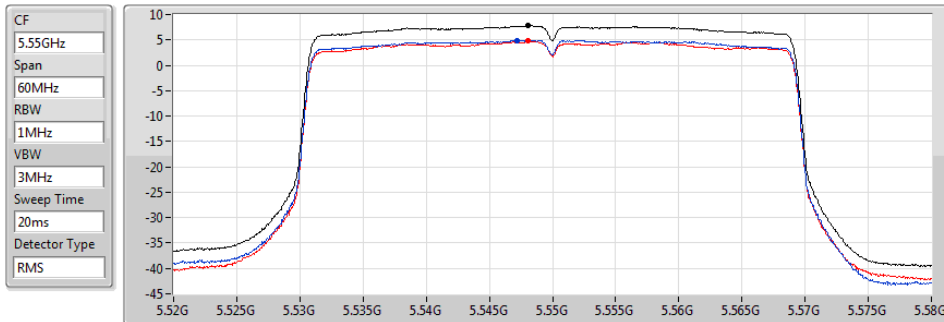


802.11ax HEW40_Nss1,(MCS0)_2TX

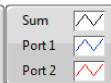
PSD

5550MHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.83	7.83	4.93	4.77

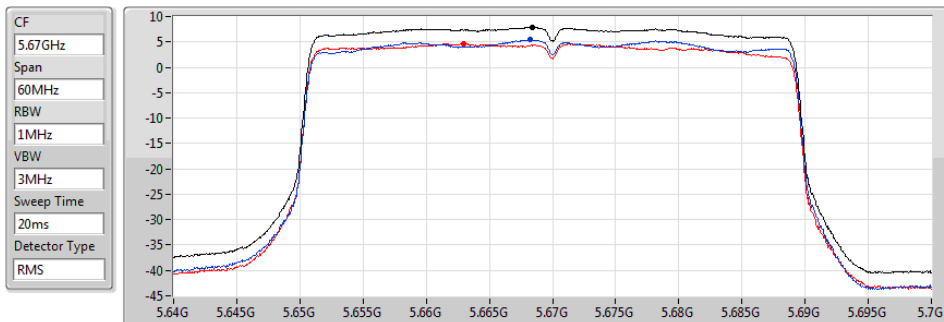


802.11ax HEW40_Nss1,(MCS0)_2TX

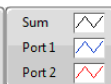
PSD

5670MHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.88	7.88	5.42	4.69

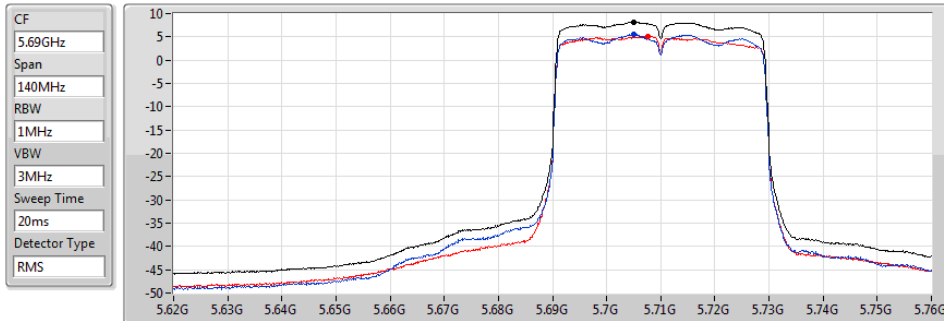


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

15/08/2020



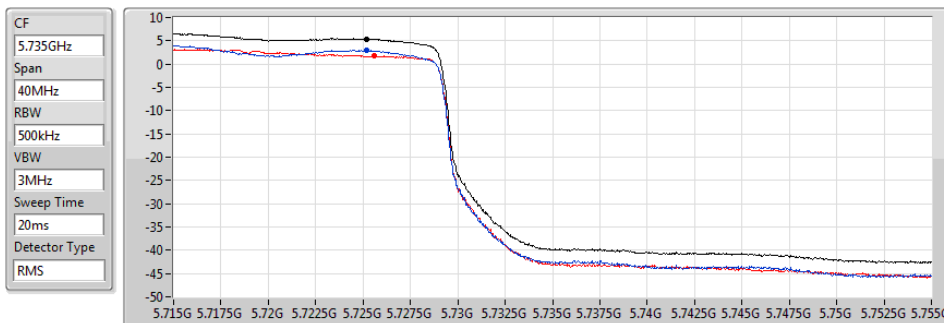
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.24	8.24	5.57	5.06

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

15/08/2020



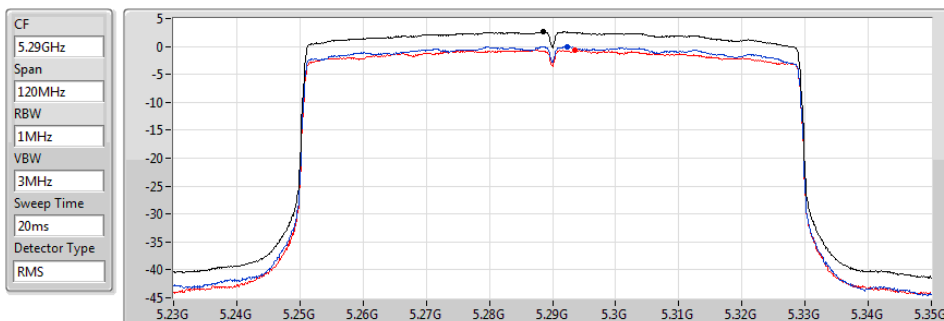
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.34	5.34	2.92	1.73

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5290MHz

15/08/2020



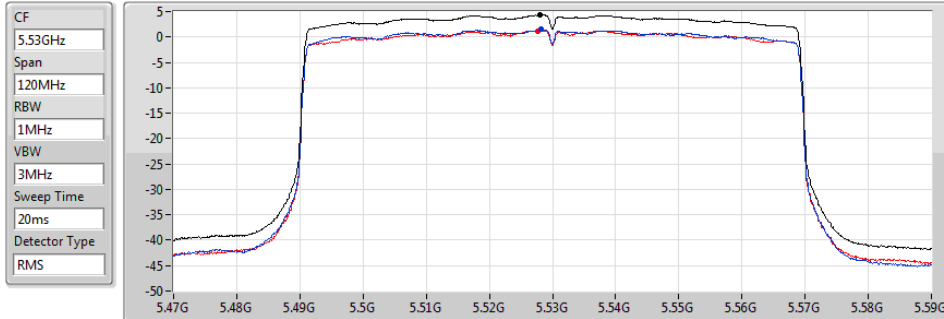
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.58	2.58	-0.03	-0.66

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5530MHz

15/08/2020



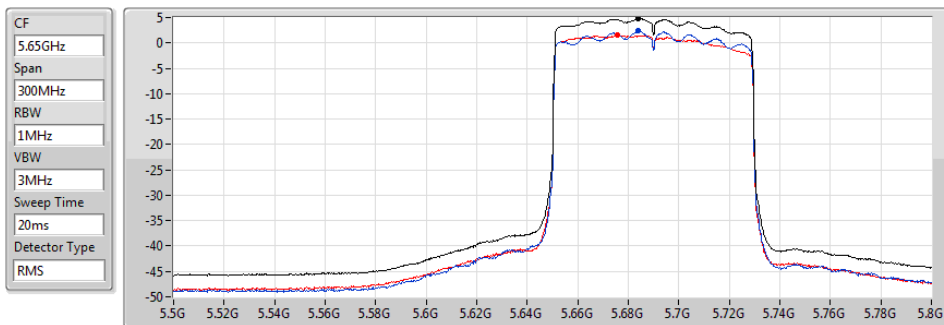
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.33	4.33	1.49	1.23

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

15/08/2020



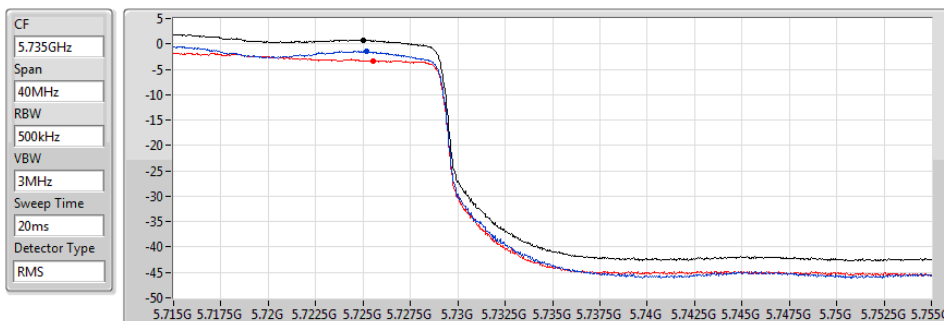
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.87	4.87	2.33	1.50

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

15/08/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.68	0.68	-1.49	-3.28



CSE TX above 1GHz (1GHz ~ 8GHz) Result_An.1

Appendix D.1

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	5.35G	5.39G	AV	5.37616G	28.00	-74.54	-72.95	-70.66	-42.66	-41.20	-1.46
802.11ax HEW20_Nss1.(MCS0)_2TX	Pass	5.35G	5.39G	AV	5.376G	28.00	-74.26	-74.09	-71.16	-43.16	-41.20	-1.96
802.11ax HEW40_Nss1.(MCS0)_2TX	Pass	5.35G	5.43G	AV	5.37592G	28.00	-75.09	-73.58	-71.26	-43.26	-41.20	-2.06
802.11ax HEW80_Nss1.(MCS0)_2TX	Pass	5.35G	5.51G	AV	5.37592G	28.00	-75.63	-73.88	-71.66	-43.66	-41.20	-2.46
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1.(6Mbps)_2TX	Pass	1G	5.43G	AV	5.08834G	28.00	-72.54	-72.35	-69.43	-41.43	-41.20	-0.23
802.11ax HEW20_Nss1.(MCS0)_2TX	Pass	1G	5.43G	AV	5.08834G	28.00	-72.38	-73.11	-69.72	-41.72	-41.20	-0.52
802.11ax HEW40_Nss1.(MCS0)_2TX	Pass	1G	5.39G	PK	5.20233G	28.00	-57.47	-71.52	-57.30	-29.30	-27.00	-2.30
802.11ax HEW80_Nss1.(MCS0)_2TX	Pass	1G	5.31G	PK	5.19417G	28.00	-56.51	-63.48	-55.71	-27.71	-27.00	-0.71

DG = Directional Gain;

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



CSE TX above 1GHz (1GHz ~ 8GHz) Result_An.1

Appendix D.1

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	5.11G	AV	4.99235G	28.00	-78.33	-74.05	-72.67	-44.67	-41.20	-3.47
5260MHz	Pass	5.11G	5.15G	AV	5.14536G	28.00	-76.70	-73.82	-72.02	-44.02	-41.20	-2.82
5260MHz	Pass	5.15G	5.35G	AV	5.15G	28.00	-76.22	-76.69	-73.44	-45.44	-41.20	-4.24
5260MHz	Pass	5.35G	5.39G	AV	5.376G	28.00	-74.07	-74.21	-71.13	-43.13	-41.20	-1.93
5260MHz	Pass	5.39G	8G	AV	5.39392G	28.00	-77.87	-75.05	-73.22	-45.22	-41.20	-4.02
5260MHz	Pass	1G	5.11G	PK	5.06685G	28.00	-66.27	-69.30	-64.52	-36.52	-21.20	-15.32
5260MHz	Pass	5.11G	5.15G	PK	5.13968G	28.00	-59.98	-66.04	-59.02	-31.02	-21.20	-9.82
5260MHz	Pass	5.15G	5.35G	PK	5.15G	28.00	-66.56	-66.50	-63.52	-35.52	-21.20	-14.32
5260MHz	Pass	5.35G	5.39G	PK	5.38032G	28.00	-60.82	-68.74	-60.17	-32.17	-21.20	-10.97
5260MHz	Pass	5.39G	8G	PK	5.47058G	28.00	-68.87	-64.76	-63.34	-35.34	-27.00	-8.34
5300MHz	Pass	1G	5.11G	AV	5.08842G	28.00	-74.45	-76.13	-72.20	-44.20	-41.20	-3.00
5300MHz	Pass	5.11G	5.15G	AV	5.14912G	28.00	-75.66	-74.22	-71.87	-43.87	-41.20	-2.67
5300MHz	Pass	5.15G	5.35G	AV	5.15G	28.00	-76.95	-74.07	-72.27	-44.27	-41.20	-3.07
5300MHz	Pass	5.35G	5.39G	AV	5.376G	28.00	-74.17	-73.29	-70.70	-42.70	-41.20	-1.50
5300MHz	Pass	5.39G	8G	AV	5.40338G	28.00	-76.40	-74.78	-72.50	-44.50	-41.20	-3.30
5300MHz	Pass	1G	5.11G	PK	5.10384G	28.00	-69.47	-64.86	-63.57	-35.57	-21.20	-14.37
5300MHz	Pass	5.11G	5.15G	PK	5.14144G	28.00	-65.38	-63.63	-61.41	-33.41	-21.20	-12.21
5300MHz	Pass	5.15G	5.35G	PK	5.15G	28.00	-67.37	-65.04	-63.04	-35.04	-21.20	-13.84
5300MHz	Pass	5.35G	5.39G	PK	5.3836G	28.00	-66.32	-63.84	-61.90	-33.90	-21.20	-12.70
5300MHz	Pass	5.39G	8G	PK	5.64056G	28.00	-64.81	-69.58	-63.56	-35.56	-27.00	-8.56
5320MHz	Pass	1G	5.11G	AV	5.08842G	28.00	-74.60	-74.69	-71.63	-43.63	-41.20	-2.43
5320MHz	Pass	5.11G	5.15G	AV	5.13512G	28.00	-74.77	-74.14	-71.43	-43.43	-41.20	-2.23
5320MHz	Pass	5.15G	5.35G	AV	5.15G	28.00	-76.46	-74.56	-72.40	-44.40	-41.20	-3.20
5320MHz	Pass	5.35G	5.39G	AV	5.37616G	28.00	-74.54	-72.95	-70.66	-42.66	-41.20	-1.46
5320MHz	Pass	5.39G	8G	AV	5.41512G	28.00	-77.84	-74.22	-72.65	-44.65	-41.20	-3.45
5320MHz	Pass	1G	5.11G	PK	5.10743G	28.00	-68.62	-65.97	-64.09	-36.09	-21.20	-14.89
5320MHz	Pass	5.11G	5.15G	PK	5.13664G	28.00	-64.60	-63.86	-61.20	-33.20	-21.20	-12.00
5320MHz	Pass	5.15G	5.35G	PK	5.15G	28.00	-67.19	-65.46	-63.23	-35.23	-21.20	-14.03
5320MHz	Pass	5.35G	5.39G	PK	5.3888G	28.00	-65.77	-64.77	-62.23	-34.23	-21.20	-13.03
5320MHz	Pass	5.39G	8G	PK	5.47222G	28.00	-66.23	-67.24	-63.70	-35.70	-27.00	-8.70
5500MHz	Pass	1G	5.43G	AV	5.08834G	28.00	-72.54	-72.35	-69.43	-41.43	-41.20	-0.23
5500MHz	Pass	5.43G	5.47G	AV	5.4308G	28.00	-81.94	-81.82	-78.87	-50.87	-41.20	-9.67
5500MHz	Pass	5.765G	8G	AV	7.40633G	28.00	-85.25	-86.50	-82.82	-54.82	-41.20	-13.62
5500MHz	Pass	1G	5.43G	PK	5.1869G	28.00	-64.30	-73.70	-63.83	-35.83	-27.00	-8.83
5500MHz	Pass	5.43G	5.47G	PK	5.46688G	28.00	-75.18	-76.48	-72.77	-44.77	-27.00	-17.77
5500MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-76.22	-76.00	-73.10	-45.10	-27.00	-18.10
5500MHz	Pass	5.725G	5.765G	PK	5.76172G	28.00	-63.54	-71.72	-62.93	-34.93	-27.00	-7.93
5500MHz	Pass	5.765G	8G	PK	5.85608G	28.00	-67.42	-67.44	-64.42	-36.42	-27.00	-9.42
5580MHz	Pass	1G	5.43G	AV	5.08834G	28.00	-73.31	-74.11	-70.68	-42.68	-41.20	-1.48
5580MHz	Pass	5.43G	5.47G	AV	5.43008G	28.00	-82.39	-81.27	-78.78	-50.78	-41.20	-9.58
5580MHz	Pass	5.765G	8G	AV	7.74772G	28.00	-85.51	-86.07	-82.77	-54.77	-41.20	-13.57
5580MHz	Pass	1G	5.43G	PK	5.25225G	28.00	-69.36	-66.48	-64.68	-36.68	-27.00	-9.68
5580MHz	Pass	5.43G	5.47G	PK	5.46936G	28.00	-75.94	-75.80	-72.86	-44.86	-27.00	-17.86
5580MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-76.23	-76.32	-73.26	-45.26	-27.00	-18.26
5580MHz	Pass	5.725G	5.765G	PK	5.76444G	28.00	-69.50	-70.23	-66.84	-38.84	-27.00	-11.84
5580MHz	Pass	5.765G	8G	PK	5.8558G	28.00	-68.13	-67.12	-64.59	-36.59	-27.00	-9.59
5700MHz	Pass	1G	5.43G	AV	5.08834G	28.00	-72.84	-73.09	-69.95	-41.95	-41.20	-0.75
5700MHz	Pass	5.43G	5.47G	AV	5.43008G	28.00	-80.66	-80.50	-77.57	-49.57	-41.20	-8.37
5700MHz	Pass	5.765G	8G	AV	7.40577G	28.00	-85.00	-84.73	-81.85	-53.85	-41.20	-12.65
5700MHz	Pass	1G	5.43G	PK	5.18081G	28.00	-57.01	-65.37	-56.42	-28.42	-27.00	-1.42
5700MHz	Pass	5.43G	5.47G	PK	5.46824G	28.00	-74.49	-76.05	-72.19	-44.19	-27.00	-17.19



CSE TX above 1GHz (1GHz ~ 8GHz) Result_An.1

Appendix D.1

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)
5700MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-75.72	-75.61	-72.65	-44.65	-27.00	-17.65
5700MHz	Pass	5.725G	5.765G	PK	5.76492G	28.00	-67.53	-69.51	-65.40	-37.40	-27.00	-10.40
5700MHz	Pass	5.765G	8G	PK	5.85608G	28.00	-67.00	-65.39	-63.11	-35.11	-27.00	-8.11
5720MHz Straddle 5.47-5.725GHz	Pass	1G	5.43G	AV	5.08834G	28.00	-78.15	-78.51	-75.32	-47.32	-41.20	-6.12
5720MHz Straddle 5.47-5.725GHz	Pass	5.43G	5.47G	AV	5.43048G	28.00	-85.53	-85.44	-82.47	-54.47	-41.20	-13.27
5720MHz Straddle 5.47-5.725GHz	Pass	5.89G	8G	AV	7.39522G	28.00	-89.46	-89.95	-86.69	-58.69	-41.20	-17.49
5720MHz Straddle 5.47-5.725GHz	Pass	1G	5.43G	PK	5.19798G	28.00	-58.33	-75.77	-58.25	-30.25	-27.00	-3.25
5720MHz Straddle 5.47-5.725GHz	Pass	5.43G	5.47G	PK	5.46288G	28.00	-78.87	-81.02	-76.80	-48.80	-27.00	-21.80
5720MHz Straddle 5.47-5.725GHz	Pass	5.47G	5.85G	PK	5.85G	28.00	-74.07	-72.94	-70.46	-42.46	-27.00	-15.46
5720MHz Straddle 5.47-5.725GHz	Pass	5.85G	5.89G	PK	5.85608G	28.00	-70.48	-69.35	-66.87	-38.87	-27.00	-11.87
5720MHz Straddle 5.47-5.725GHz	Pass	5.89G	8G	PK	5.91374G	28.00	-72.00	-74.11	-69.92	-41.92	-27.00	-14.92
802.11ax HEW20_Nss1_(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	1G	5.11G	AV	4.99235G	28.00	-79.02	-74.13	-72.91	-44.91	-41.20	-3.71
5260MHz	Pass	5.11G	5.15G	AV	5.14448G	28.00	-75.03	-76.03	-72.49	-44.49	-41.20	-3.29
5260MHz	Pass	5.15G	5.35G	AV	5.15G	28.00	-76.31	-76.64	-73.46	-45.46	-41.20	-4.26
5260MHz	Pass	5.35G	5.39G	AV	5.376G	28.00	-74.51	-74.36	-71.42	-43.42	-41.20	-2.22
5260MHz	Pass	5.39G	8G	AV	5.41969G	28.00	-77.15	-75.50	-73.24	-45.24	-41.20	-4.04
5260MHz	Pass	1G	5.11G	PK	5.10795G	28.00	-68.02	-67.28	-64.62	-36.62	-21.20	-15.42
5260MHz	Pass	5.11G	5.15G	PK	5.14048G	28.00	-60.99	-66.81	-59.98	-31.98	-21.20	-10.78
5260MHz	Pass	5.15G	5.35G	PK	5.15G	28.00	-67.34	-67.50	-64.41	-36.41	-21.20	-15.21
5260MHz	Pass	5.35G	5.39G	PK	5.37912G	28.00	-64.29	-67.82	-62.70	-34.70	-21.20	-13.50
5260MHz	Pass	5.39G	8G	PK	5.66405G	28.00	-65.23	-67.02	-63.02	-35.02	-27.00	-8.02
5300MHz	Pass	1G	5.11G	AV	5.08842G	28.00	-73.72	-77.29	-72.14	-44.14	-41.20	-2.94
5300MHz	Pass	5.11G	5.15G	AV	5.11064G	28.00	-75.21	-75.88	-72.52	-44.52	-41.20	-3.32
5300MHz	Pass	5.15G	5.35G	AV	5.15G	28.00	-76.38	-76.89	-73.62	-45.62	-41.20	-4.42
5300MHz	Pass	5.35G	5.39G	AV	5.37592G	28.00	-75.17	-73.65	-71.33	-43.33	-41.20	-2.13
5300MHz	Pass	5.39G	8G	AV	5.44612G	28.00	-77.59	-75.35	-73.32	-45.32	-41.20	-4.12
5300MHz	Pass	1G	5.11G	PK	5.09151G	28.00	-65.39	-69.01	-63.82	-35.82	-21.20	-14.62
5300MHz	Pass	5.11G	5.15G	PK	5.1444G	28.00	-65.72	-64.96	-62.31	-34.31	-21.20	-13.11
5300MHz	Pass	5.15G	5.35G	PK	5.15G	28.00	-66.50	-66.55	-63.51	-35.51	-21.20	-14.31
5300MHz	Pass	5.35G	5.39G	PK	5.38864G	28.00	-66.12	-65.96	-63.03	-35.03	-21.20	-13.83
5300MHz	Pass	5.39G	8G	PK	5.69602G	28.00	-65.79	-67.52	-63.56	-35.56	-27.00	-8.56
5320MHz	Pass	1G	5.11G	AV	4.99235G	28.00	-78.78	-72.84	-71.85	-43.85	-41.20	-2.65
5320MHz	Pass	5.11G	5.15G	AV	5.1308G	28.00	-74.32	-76.27	-72.18	-44.18	-41.20	-2.98
5320MHz	Pass	5.15G	5.35G	AV	5.15G	28.00	-76.13	-76.81	-73.45	-45.45	-41.20	-4.25
5320MHz	Pass	5.35G	5.39G	AV	5.376G	28.00	-74.26	-74.09	-71.16	-43.16	-41.20	-1.96
5320MHz	Pass	5.39G	8G	AV	5.41284G	28.00	-76.74	-75.97	-73.33	-45.33	-41.20	-4.13
5320MHz	Pass	1G	5.11G	PK	5.10486G	28.00	-69.44	-66.38	-64.64	-36.64	-21.20	-15.44
5320MHz	Pass	5.11G	5.15G	PK	5.12984G	28.00	-64.62	-65.26	-61.92	-33.92	-21.20	-12.72
5320MHz	Pass	5.15G	5.35G	PK	5.15G	28.00	-66.35	-66.91	-63.61	-35.61	-21.20	-14.41
5320MHz	Pass	5.35G	5.39G	PK	5.37584G	28.00	-65.15	-65.67	-62.39	-34.39	-21.20	-13.19
5320MHz	Pass	5.39G	8G	PK	5.66372G	28.00	-65.49	-67.51	-63.37	-35.37	-27.00	-8.37
5500MHz	Pass	1G	5.43G	AV	5.08834G	28.00	-72.38	-73.11	-69.72	-41.72	-41.20	-0.52
5500MHz	Pass	5.43G	5.47G	AV	5.43088G	28.00	-80.24	-80.41	-77.31	-49.31	-41.20	-8.11
5500MHz	Pass	5.765G	8G	AV	7.31302G	28.00	-85.15	-83.94	-81.49	-53.49	-41.20	-12.29
5500MHz	Pass	1G	5.43G	PK	5.33143G	28.00	-67.85	-65.80	-63.69	-35.69	-27.00	-8.69
5500MHz	Pass	5.43G	5.47G	PK	5.46416G	28.00	-72.88	-75.40	-70.95	-42.95	-27.00	-15.95
5500MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-74.40	-75.53	-71.92	-43.92	-27.00	-16.92
5500MHz	Pass	5.725G	5.765G	PK	5.76412G	28.00	-67.23	-70.44	-65.53	-37.53	-27.00	-10.53
5500MHz	Pass	5.765G	8G	PK	5.85608G	28.00	-68.15	-64.12	-62.67	-34.67	-27.00	-7.67
5580MHz	Pass	1G	5.43G	AV	5.08834G	28.00	-79.45	-80.22	-76.81	-48.81	-41.20	-7.61
5580MHz	Pass	5.43G	5.47G	AV	5.4312G	28.00	-86.62	-87.11	-83.85	-55.85	-41.20	-14.65
5580MHz	Pass	5.765G	8G	AV	7.31637G	28.00	-89.93	-90.78	-87.32	-59.32	-41.20	-18.12



CSE TX above 1GHz (1GHz ~ 8GHz) Result_An.1

Appendix D.1

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)
5580MHz	Pass	1G	5.43G	PK	5.19687G	28.00	-56.45	-66.60	-56.05	-28.05	-27.00	-1.05
5580MHz	Pass	5.43G	5.47G	PK	5.46384G	28.00	-81.41	-80.75	-78.06	-50.06	-27.00	-23.06
5580MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-81.52	-81.24	-78.37	-50.37	-27.00	-23.37
5580MHz	Pass	5.725G	5.765G	PK	5.765G	28.00	-73.98	-77.01	-72.23	-44.23	-27.00	-17.23
5580MHz	Pass	5.765G	8G	PK	5.8558G	28.00	-73.71	-71.83	-69.66	-41.66	-27.00	-14.66
5700MHz	Pass	1G	5.43G	AV	5.08834G	28.00	-80.18	-80.13	-77.14	-49.14	-41.20	-7.94
5700MHz	Pass	5.43G	5.47G	AV	5.43032G	28.00	-87.90	-88.00	-84.94	-56.94	-41.20	-15.74
5700MHz	Pass	5.765G	8G	AV	7.3999G	28.00	-92.22	-91.27	-88.71	-60.71	-41.20	-19.51
5700MHz	Pass	1G	5.43G	PK	5.19909G	28.00	-58.06	-68.50	-57.68	-29.68	-27.00	-2.68
5700MHz	Pass	5.43G	5.47G	PK	5.46784G	28.00	-82.75	-81.65	-79.15	-51.15	-27.00	-24.15
5700MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-82.73	-83.08	-79.89	-51.89	-27.00	-24.89
5700MHz	Pass	5.725G	5.765G	PK	5.76484G	28.00	-74.82	-77.63	-72.99	-44.99	-27.00	-17.99
5700MHz	Pass	5.765G	8G	PK	5.8558G	28.00	-75.41	-73.20	-71.16	-43.16	-27.00	-16.16
5720MHz Straddle 5.47-5.725GHz	Pass	1G	5.43G	AV	5.08834G	28.00	-78.02	-78.88	-75.42	-47.42	-41.20	-6.22
5720MHz Straddle 5.47-5.725GHz	Pass	5.43G	5.47G	AV	5.43032G	28.00	-86.61	-84.81	-82.61	-54.61	-41.20	-13.41
5720MHz Straddle 5.47-5.725GHz	Pass	5.89G	8G	AV	7.38283G	28.00	-90.01	-89.99	-86.99	-58.99	-41.20	-17.79
5720MHz Straddle 5.47-5.725GHz	Pass	1G	5.43G	PK	5.19687G	28.00	-57.75	-69.45	-57.47	-29.47	-27.00	-2.47
5720MHz Straddle 5.47-5.725GHz	Pass	5.43G	5.47G	PK	5.46832G	28.00	-80.11	-81.21	-77.61	-49.61	-27.00	-22.61
5720MHz Straddle 5.47-5.725GHz	Pass	5.47G	5.85G	PK	5.85G	28.00	-73.55	-73.26	-70.39	-42.39	-27.00	-15.39
5720MHz Straddle 5.47-5.725GHz	Pass	5.85G	5.89G	PK	5.85584G	28.00	-71.35	-70.74	-68.02	-40.02	-27.00	-13.02
5720MHz Straddle 5.47-5.725GHz	Pass	5.89G	8G	PK	6.04799G	28.00	-72.47	-73.21	-69.81	-41.81	-27.00	-14.81
802.11ax HEW40_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	1G	5.07G	AV	4.99216G	28.00	-78.39	-74.16	-72.77	-44.77	-41.20	-3.57
5270MHz	Pass	5.07G	5.15G	AV	5.08776G	28.00	-73.58	-76.58	-71.82	-43.82	-41.20	-2.62
5270MHz	Pass	5.15G	5.35G	AV	5.15G	28.00	-75.75	-75.82	-72.77	-44.77	-41.20	-3.57
5270MHz	Pass	5.35G	5.43G	AV	5.37608G	28.00	-74.61	-74.20	-71.39	-43.39	-41.20	-2.19
5270MHz	Pass	5.43G	8G	AV	5.44317G	28.00	-77.27	-75.96	-73.56	-45.56	-41.20	-4.36
5270MHz	Pass	1G	5.07G	PK	5.03795G	28.00	-69.84	-66.18	-64.63	-36.63	-21.20	-15.43
5270MHz	Pass	5.07G	5.15G	PK	5.14968G	28.00	-55.35	-65.69	-54.97	-26.97	-21.20	-5.77
5270MHz	Pass	5.15G	5.35G	PK	5.15G	28.00	-65.96	-65.23	-62.57	-34.57	-21.20	-13.37
5270MHz	Pass	5.35G	5.43G	PK	5.3892G	28.00	-58.58	-67.31	-58.03	-30.03	-21.20	-8.83
5270MHz	Pass	5.43G	8G	PK	5.82321G	28.00	-68.24	-65.14	-63.41	-35.41	-27.00	-8.41
5310MHz	Pass	1G	5.07G	AV	4.99216G	28.00	-78.59	-73.84	-72.59	-44.59	-41.20	-3.39
5310MHz	Pass	5.07G	5.15G	AV	5.08792G	28.00	-73.71	-76.58	-71.90	-43.90	-41.20	-2.70
5310MHz	Pass	5.15G	5.35G	AV	5.15G	28.00	-75.88	-76.83	-73.32	-45.32	-41.20	-4.12
5310MHz	Pass	5.35G	5.43G	AV	5.37592G	28.00	-75.09	-73.58	-71.26	-43.26	-41.20	-2.06
5310MHz	Pass	5.43G	8G	AV	5.43803G	28.00	-77.92	-75.16	-73.31	-45.31	-41.20	-4.11
5310MHz	Pass	1G	5.07G	PK	5.0583G	28.00	-67.89	-68.33	-65.09	-37.09	-21.20	-15.89
5310MHz	Pass	5.07G	5.15G	PK	5.10696G	28.00	-65.34	-65.10	-62.21	-34.21	-21.20	-13.01
5310MHz	Pass	5.15G	5.35G	PK	5.15G	28.00	-66.91	-67.03	-63.96	-35.96	-21.20	-14.76
5310MHz	Pass	5.35G	5.43G	PK	5.42904G	28.00	-64.62	-65.21	-61.89	-33.89	-21.20	-12.69
5310MHz	Pass	5.43G	8G	PK	5.47851G	28.00	-67.46	-65.44	-63.32	-35.32	-27.00	-8.32
5510MHz	Pass	1G	5.39G	AV	5.08819G	28.00	-81.22	-81.70	-78.44	-50.44	-41.20	-9.24
5510MHz	Pass	5.39G	5.47G	AV	5.39992G	28.00	-84.75	-84.54	-81.63	-53.63	-41.20	-12.43
5510MHz	Pass	5.805G	8G	AV	7.26714G	28.00	-93.50	-91.73	-89.52	-61.52	-41.20	-20.32
5510MHz	Pass	1G	5.39G	PK	5.20178G	28.00	-61.15	-68.96	-60.48	-32.48	-27.00	-5.48
5510MHz	Pass	5.39G	5.47G	PK	5.39096G	28.00	-69.17	-75.68	-68.29	-40.29	-21.20	-19.09
5510MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-83.69	-83.81	-80.74	-52.74	-27.00	-25.74
5510MHz	Pass	5.725G	5.805G	PK	5.79668G	28.00	-74.90	-75.17	-72.02	-44.02	-27.00	-17.02
5510MHz	Pass	5.805G	8G	PK	5.85549G	28.00	-75.01	-75.56	-72.27	-44.27	-27.00	-17.27
5550MHz	Pass	1G	5.39G	AV	5.08819G	28.00	-81.29	-81.00	-78.13	-50.13	-41.20	-8.93
5550MHz	Pass	5.39G	5.47G	AV	5.40024G	28.00	-85.07	-83.98	-81.48	-53.48	-41.20	-12.28
5550MHz	Pass	5.805G	8G	AV	7.31653G	28.00	-92.05	-92.30	-89.16	-61.16	-41.20	-19.96



CSE TX above 1GHz (1GHz ~ 8GHz) Result_An.1

Appendix D.1

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)
5550MHz	Pass	1G	5.39G	PK	5.3247G	28.00	-75.56	-74.77	-72.14	-44.14	-27.00	-17.14
5550MHz	Pass	5.39G	5.47G	PK	5.40424G	28.00	-75.24	-73.22	-71.10	-43.10	-21.20	-21.90
5550MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-82.86	-83.42	-80.12	-52.12	-27.00	-25.12
5550MHz	Pass	5.725G	5.805G	PK	5.79172G	28.00	-76.40	-74.14	-72.11	-44.11	-27.00	-17.11
5550MHz	Pass	5.805G	8G	PK	5.85576G	28.00	-74.95	-73.99	-71.43	-43.43	-27.00	-16.43
5670MHz	Pass	1G	5.39G	AV	5.08819G	28.00	-80.80	-81.67	-78.20	-50.20	-41.20	-9.00
5670MHz	Pass	5.39G	5.47G	AV	5.39064G	28.00	-84.31	-84.55	-81.42	-53.42	-41.20	-12.22
5670MHz	Pass	5.805G	8G	AV	7.38705G	28.00	-92.45	-92.21	-89.32	-61.32	-41.20	-20.12
5670MHz	Pass	1G	5.39G	PK	5.19465G	28.00	-65.23	-79.83	-65.08	-37.08	-27.00	-10.08
5670MHz	Pass	5.39G	5.47G	PK	5.40568G	28.00	-73.72	-74.93	-71.27	-43.27	-21.20	-22.07
5670MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-83.26	-83.06	-80.15	-52.15	-27.00	-25.15
5670MHz	Pass	5.725G	5.805G	PK	5.79076G	28.00	-67.62	-76.28	-67.07	-39.07	-27.00	-12.07
5670MHz	Pass	5.805G	8G	PK	5.85576G	28.00	-74.61	-74.10	-71.34	-43.34	-27.00	-16.34
5710MHz Straddle 5.47-5.725GHz	Pass	1G	5.39G	AV	5.08819G	28.00	-80.58	-81.39	-77.96	-49.96	-41.20	-8.76
5710MHz Straddle 5.47-5.725GHz	Pass	5.39G	5.47G	AV	5.39304G	28.00	-84.74	-83.86	-81.27	-53.27	-41.20	-12.07
5710MHz Straddle 5.47-5.725GHz	Pass	5.93G	8G	AV	7.39867G	28.00	-93.06	-91.75	-89.35	-61.35	-41.20	-20.15
5710MHz Straddle 5.47-5.725GHz	Pass	1G	5.39G	PK	5.20233G	28.00	-57.47	-71.52	-57.30	-29.30	-27.00	-2.30
5710MHz Straddle 5.47-5.725GHz	Pass	5.39G	5.47G	PK	5.3916G	28.00	-74.99	-73.24	-71.02	-43.02	-21.20	-21.82
5710MHz Straddle 5.47-5.725GHz	Pass	5.47G	5.85G	PK	5.85G	28.00	-75.54	-76.47	-72.97	-44.97	-27.00	-17.97
5710MHz Straddle 5.47-5.725GHz	Pass	5.85G	5.93G	PK	5.85592G	28.00	-73.25	-73.27	-70.25	-42.25	-27.00	-15.25
5710MHz Straddle 5.47-5.725GHz	Pass	5.93G	8G	PK	6.04773G	28.00	-73.30	-76.04	-71.45	-43.45	-27.00	-16.45
802.11ax HEW80_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	1G	4.99G	AV	4.98402G	28.00	-78.20	-77.27	-74.70	-46.70	-41.20	-5.50
5290MHz	Pass	4.99G	5.15G	AV	5.08824G	28.00	-74.13	-76.61	-72.19	-44.19	-41.20	-2.99
5290MHz	Pass	5.15G	5.35G	AV	5.15G	28.00	-76.23	-76.79	-73.49	-45.49	-41.20	-4.29
5290MHz	Pass	5.35G	5.51G	AV	5.37592G	28.00	-75.63	-73.88	-71.66	-43.66	-41.20	-2.46
5290MHz	Pass	5.51G	8G	AV	7.60409G	28.00	-85.12	-86.83	-82.88	-54.88	-41.20	-13.68
5290MHz	Pass	1G	4.99G	PK	4.97404G	28.00	-70.27	-68.24	-66.13	-38.13	-21.20	-16.93
5290MHz	Pass	4.99G	5.15G	PK	5.09176G	28.00	-65.94	-63.87	-61.77	-33.77	-21.20	-12.57
5290MHz	Pass	5.15G	5.35G	PK	5.15G	28.00	-65.58	-65.82	-62.69	-34.69	-21.20	-13.49
5290MHz	Pass	5.35G	5.51G	PK	5.48408G	28.00	-66.95	-64.87	-62.78	-34.78	-27.00	-7.78
5290MHz	Pass	5.51G	8G	PK	5.61396G	28.00	-64.51	-70.17	-63.47	-35.47	-27.00	-8.47
5530MHz	Pass	1G	5.31G	AV	5.08804G	28.00	-84.36	-84.51	-81.42	-53.42	-41.20	-12.22
5530MHz	Pass	5.31G	5.47G	AV	5.37592G	28.00	-85.00	-84.72	-81.85	-53.85	-41.20	-12.65
5530MHz	Pass	5.885G	8G	AV	7.39247G	28.00	-95.04	-95.33	-92.17	-64.17	-41.20	-22.97
5530MHz	Pass	1G	5.31G	PK	5.19525G	28.00	-61.04	-65.82	-59.79	-31.79	-27.00	-4.79
5530MHz	Pass	5.31G	5.47G	PK	5.34584G	28.00	-75.97	-76.68	-73.30	-45.30	-27.00	-18.30
5530MHz	Pass	5.47G	5.725G	PK	5.725G	28.00	-86.44	-85.60	-82.99	-54.99	-27.00	-27.99
5530MHz	Pass	5.725G	5.885G	PK	5.8562G	28.00	-77.77	-76.12	-73.86	-45.86	-27.00	-18.86
5530MHz	Pass	5.885G	8G	PK	6.04759G	28.00	-77.08	-80.16	-75.34	-47.34	-27.00	-20.34
5690MHz Straddle 5.47-5.725GHz	Pass	1G	5.31G	AV	2.46055G	28.00	-95.48	-76.91	-76.85	-48.85	-41.20	-7.65
5690MHz Straddle 5.47-5.725GHz	Pass	5.31G	5.47G	AV	5.37592G	28.00	-85.12	-85.36	-82.23	-54.23	-41.20	-13.03
5690MHz Straddle 5.47-5.725GHz	Pass	6.01G	8G	AV	7.26594G	28.00	-95.64	-94.94	-92.27	-64.27	-41.20	-23.07
5690MHz Straddle 5.47-5.725GHz	Pass	1G	5.31G	PK	5.19417G	28.00	-56.51	-63.48	-55.71	-27.71	-27.00	-0.71
5690MHz Straddle 5.47-5.725GHz	Pass	5.31G	5.47G	PK	5.32408G	28.00	-77.06	-76.11	-73.55	-45.55	-27.00	-18.55
5690MHz Straddle 5.47-5.725GHz	Pass	5.47G	5.85G	PK	5.85G	28.00	-77.46	-79.66	-75.41	-47.41	-27.00	-20.41
5690MHz Straddle 5.47-5.725GHz	Pass	5.85G	6.01G	PK	5.85576G	28.00	-77.12	-76.50	-73.79	-45.79	-27.00	-18.79
5690MHz Straddle 5.47-5.725GHz	Pass	6.01G	8G	PK	6.04781G	28.00	-78.12	-79.25	-75.64	-47.64	-27.00	-20.64

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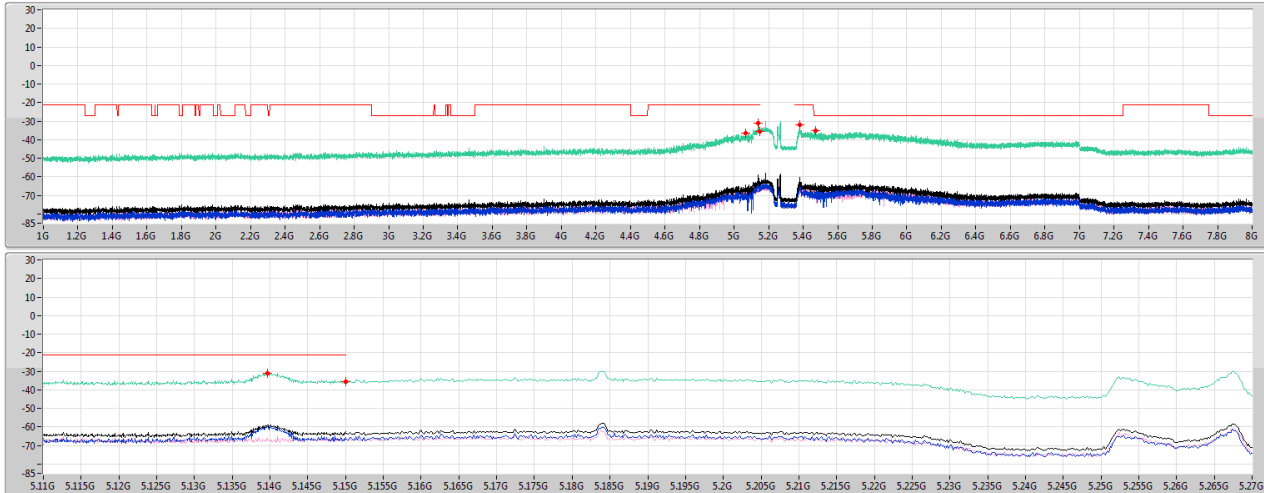
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802.11a_Nss1,(6Mbps)_2TX

5260MHz

CSE-PK

18/08/2020



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

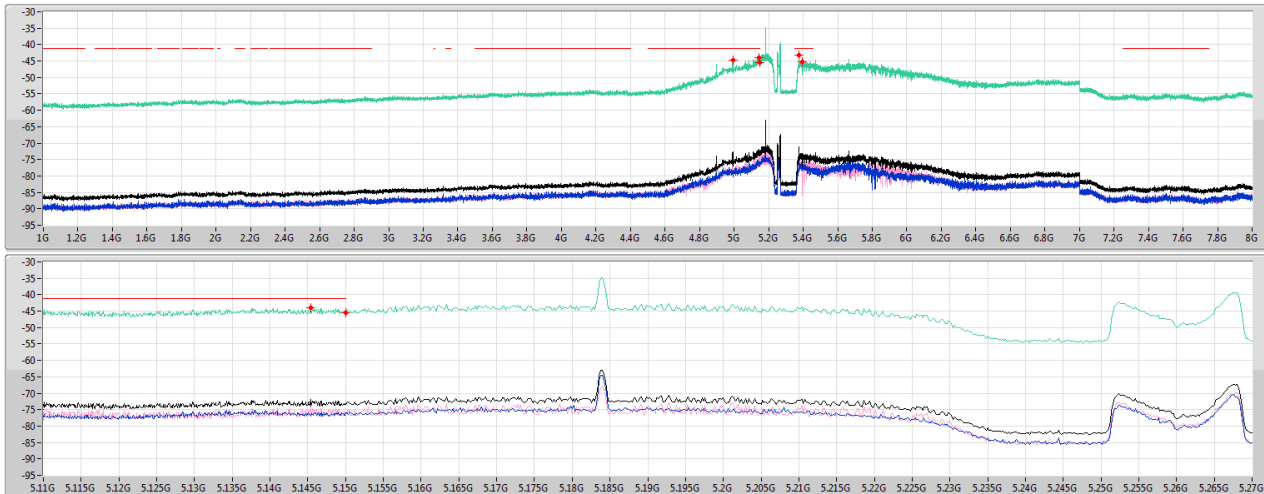
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.06685G	-36.52	-21.20	-15.32	28.00	0.00	-64.52	-66.27	-69.30
5.11G	5.15G	1M	PK	5.13968G	-31.02	-21.20	-9.82	28.00	0.00	-59.02	-59.98	-66.04
5.15G	5.35G	1M	PK	5.15G	-35.52	-21.20	-14.32	28.00	0.00	-63.52	-66.56	-66.50
5.35G	5.39G	1M	PK	5.38032G	-32.17	-21.20	-10.97	28.00	0.00	-60.17	-60.82	-68.74
5.39G	8G	1M	PK	5.47058G	-35.34	-27.00	-8.34	28.00	0.00	-63.34	-68.87	-64.76

802.11a_Nss1,(6Mbps)_2TX

5260MHz

CSE-AV

18/08/2020



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

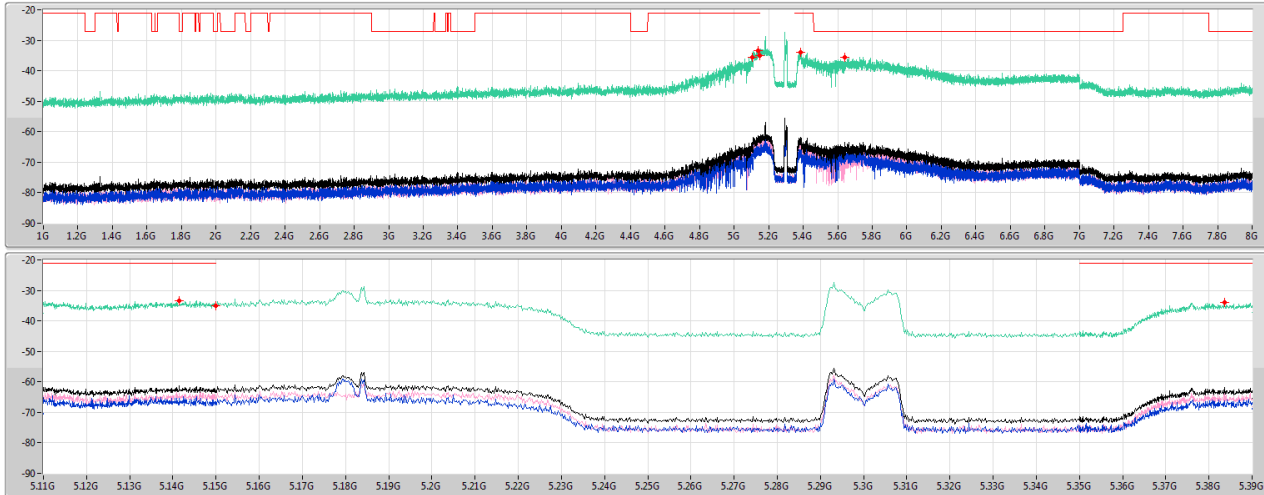
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1G	5.11G	1M	AV	4.99235G	-44.67	-41.20	-3.47	28.00	0.00	-72.67	-78.33	-74.05
5.11G	5.15G	1M	AV	5.14536G	-44.02	-41.20	-2.82	28.00	0.00	-72.02	-76.70	-73.82
5.15G	5.35G	1M	AV	5.15G	-45.44	-41.20	-4.24	28.00	0.00	-73.44	-76.22	-76.69
5.35G	5.39G	1M	AV	5.378G	-43.13	-41.20	-1.93	28.00	0.00	-71.13	-74.07	-74.21
5.39G	8G	1M	AV	5.39392G	-45.22	-41.20	-4.02	28.00	0.00	-73.22	-77.87	-75.05

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-PK

18/08/2020



Limit.PK
ERP.PK
Sum.PK
Port 1
Port 2

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

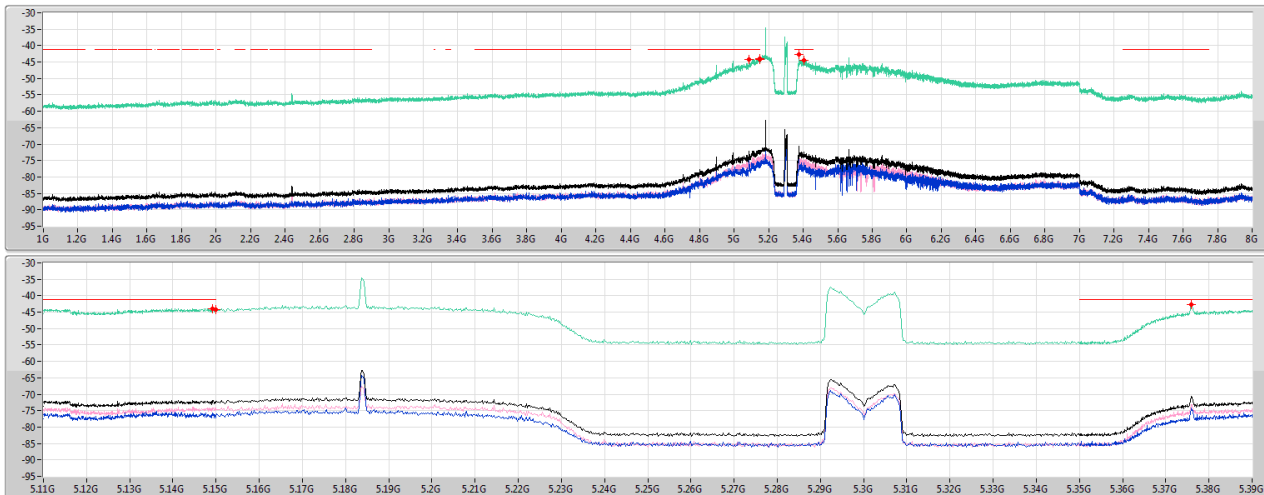
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1G	5.11G	1M	PK	5.10384G	-35.57	-21.20	-14.37	28.00	0.00	-63.57	-69.47	-64.86
5.11G	5.15G	1M	PK	5.14144G	-39.41	-21.20	-18.21	28.00	0.00	-61.41	-65.38	-63.63
5.15G	5.35G	1M	PK	5.15G	-35.04	-21.20	-13.84	28.00	0.00	-63.04	-67.37	-65.04
5.35G	5.39G	1M	PK	5.3836G	-33.90	-21.20	-12.70	28.00	0.00	-61.90	-66.32	-63.84
5.39G	8G	1M	PK	5.64056G	-35.56	-27.00	-8.56	28.00	0.00	-63.56	-64.81	-69.58

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-AV

18/08/2020



Limit.AV
ERP.AV
Sum.AV
Port 1
Port 2

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

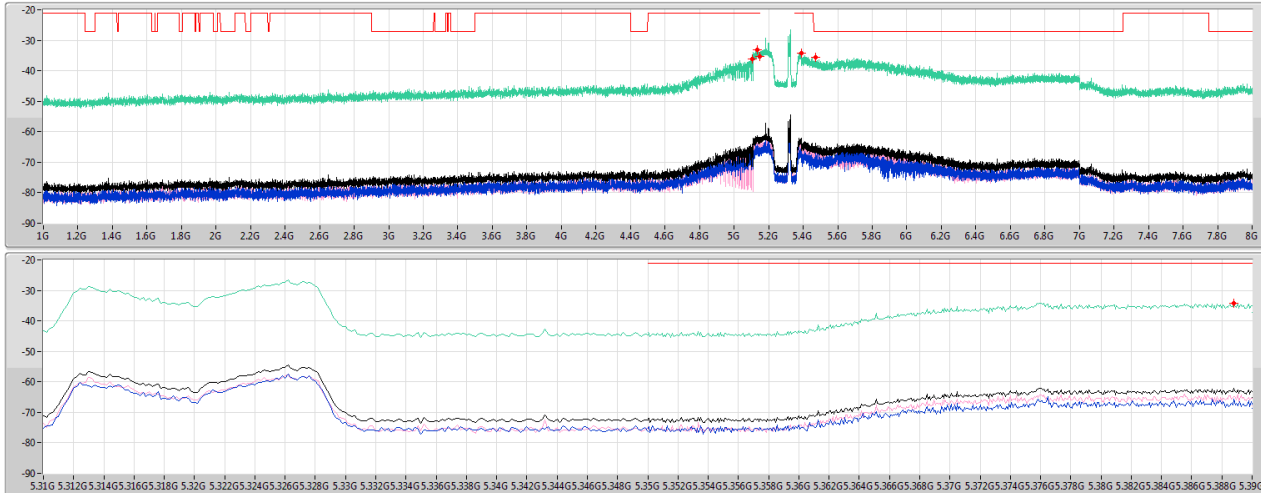
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1G	5.11G	1M	AV	5.08842G	-44.20	-41.20	-3.00	28.00	0.00	-72.20	-74.45	-76.13
5.11G	5.15G	1M	AV	5.14912G	-43.87	-41.20	-2.67	28.00	0.00	-71.87	-75.66	-74.22
5.15G	5.35G	1M	AV	5.15G	-44.27	-41.20	-3.07	28.00	0.00	-72.27	-76.95	-74.07
5.35G	5.39G	1M	AV	5.376G	-42.70	-41.20	-1.50	28.00	0.00	-70.70	-74.17	-73.29
5.39G	8G	1M	AV	5.40338G	-44.50	-41.20	-3.30	28.00	0.00	-72.50	-76.40	-74.78

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-PK

18/08/2020



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

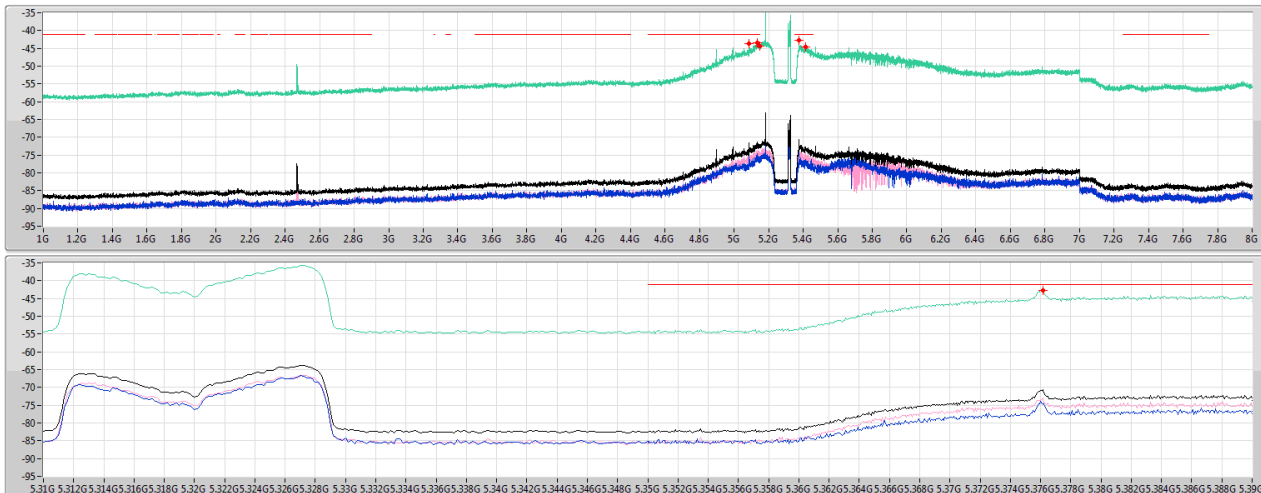
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1G	5.11G	1M	PK	5.10743G	-36.09	-21.20	-14.89	28.00	0.00	-64.09	-68.62	-65.97
5.11G	5.15G	1M	PK	5.13664G	-39.20	-21.20	-12.00	28.00	0.00	-61.20	-64.60	-62.86
5.15G	5.35G	1M	PK	5.15G	-35.23	-21.20	-14.03	28.00	0.00	-63.23	-67.19	-65.46
5.35G	5.39G	1M	PK	5.3888G	-34.23	-21.20	-13.03	28.00	0.00	-62.23	-65.77	-64.77
5.39G	8G	1M	PK	5.47222G	-35.70	-27.00	-8.70	28.00	0.00	-63.70	-66.23	-67.24

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-AV

18/08/2020



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

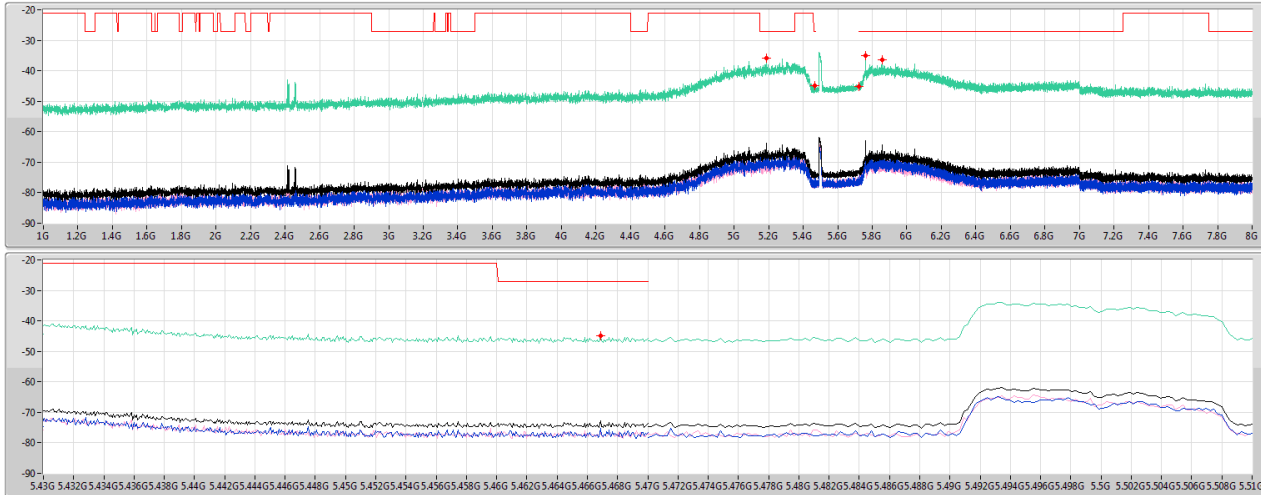
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	5.08842G	-43.63	-41.20	-2.43	28.00	0.00	-71.63	-74.60	-74.69
5.11G	5.15G	1M	AV	5.13512G	-43.43	-41.20	-2.23	28.00	0.00	-71.43	-74.77	-74.14
5.15G	5.35G	1M	AV	5.15G	-44.40	-41.20	-3.20	28.00	0.00	-72.40	-76.46	-74.56
5.35G	5.39G	1M	AV	5.37816G	-42.66	-41.20	-1.46	28.00	0.00	-70.66	-74.54	-72.95
5.39G	8G	1M	AV	5.41512G	-44.65	-41.20	-3.45	28.00	0.00	-72.65	-77.84	-74.22

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-PK

19/08/2020



Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

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

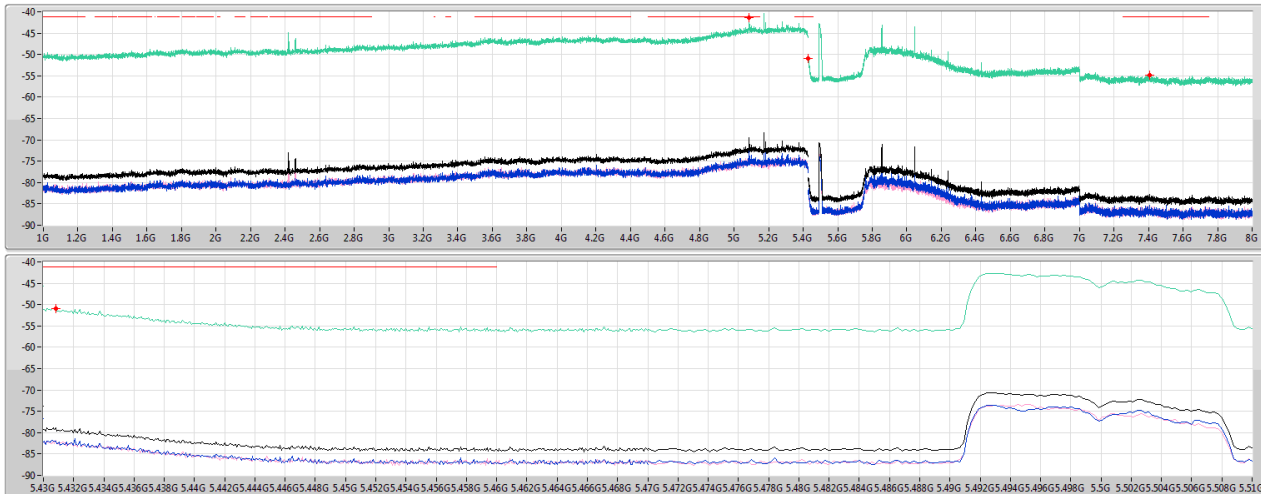
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.1869G	-35.83	-27.00	-8.83	28.00	0.00	-63.83	-64.30	-73.70
5.43G	5.47G	1M	PK	5.46688G	-44.77	-27.00	-17.77	28.00	0.00	-72.77	-75.18	-76.48
5.47G	5.725G	1M	PK	5.725G	-45.10	-27.00	-18.10	28.00	0.00	-73.10	-76.22	-76.00
5.725G	5.765G	1M	PK	5.76172G	-34.93	-27.00	-7.93	28.00	0.00	-62.93	-63.54	-71.72
5.765G	8G	1M	PK	5.85608G	-36.42	-27.00	-9.42	28.00	0.00	-64.42	-67.42	-67.44

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-AV

19/08/2020



Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

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

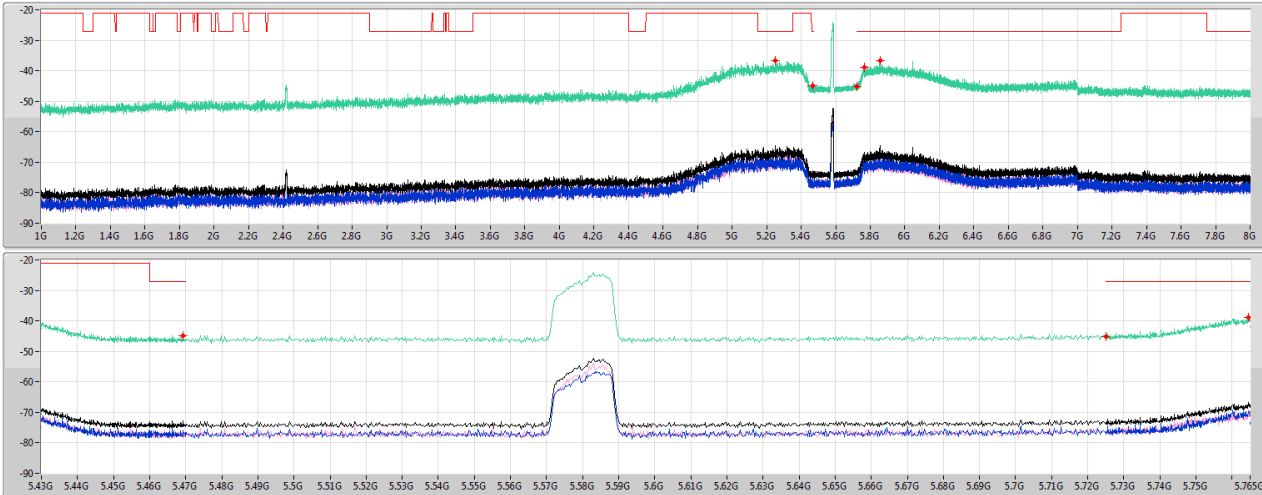
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.08834G	-41.43	-41.20	-0.23	28.00	0.00	-69.43	-72.54	-72.35
5.43G	5.47G	1M	AV	5.4308G	-50.87	-41.20	-9.67	28.00	0.00	-78.87	-81.94	-81.82
5.765G	8G	1M	AV	7.40633G	-54.82	-41.20	-13.62	28.00	0.00	-82.82	-85.25	-86.50

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-PK

19/08/2020



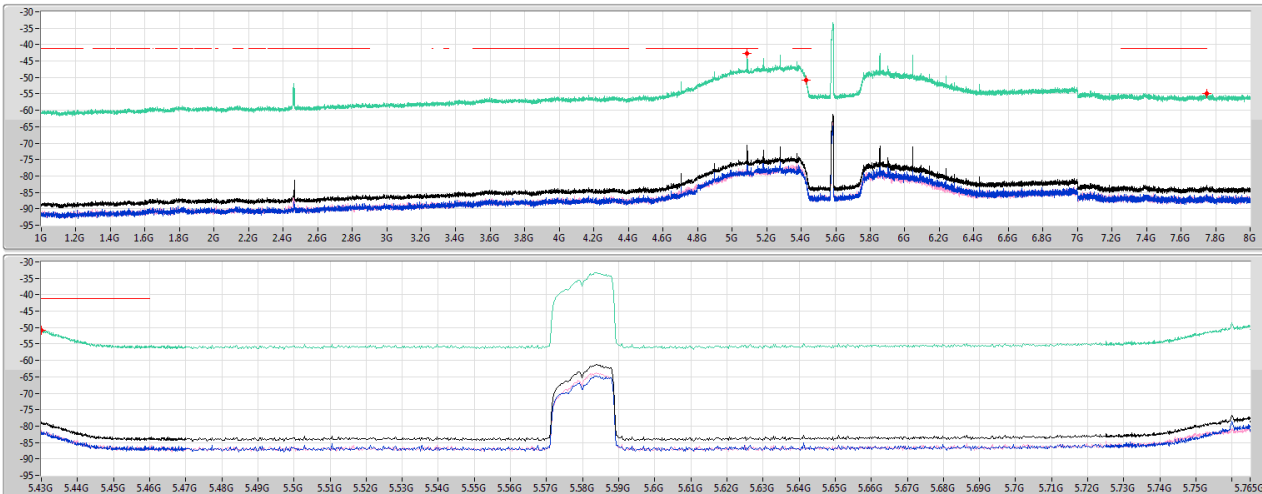
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.25225G	-36.68	-27.00	-9.68	28.00	0.00	-64.68	-69.36	-66.48
5.43G	5.47G	1M	PK	5.46936G	-44.86	-27.00	-17.86	28.00	0.00	-72.86	-75.94	-75.80
5.47G	5.725G	1M	PK	5.725G	-45.26	-27.00	-18.26	28.00	0.00	-73.26	-76.23	-76.32
5.725G	5.765G	1M	PK	5.76444G	-38.84	-27.00	-11.84	28.00	0.00	-66.84	-69.50	-70.23
5.765G	8G	1M	PK	5.8558G	-36.59	-27.00	-9.59	28.00	0.00	-64.59	-68.13	-67.12

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-AV

19/08/2020



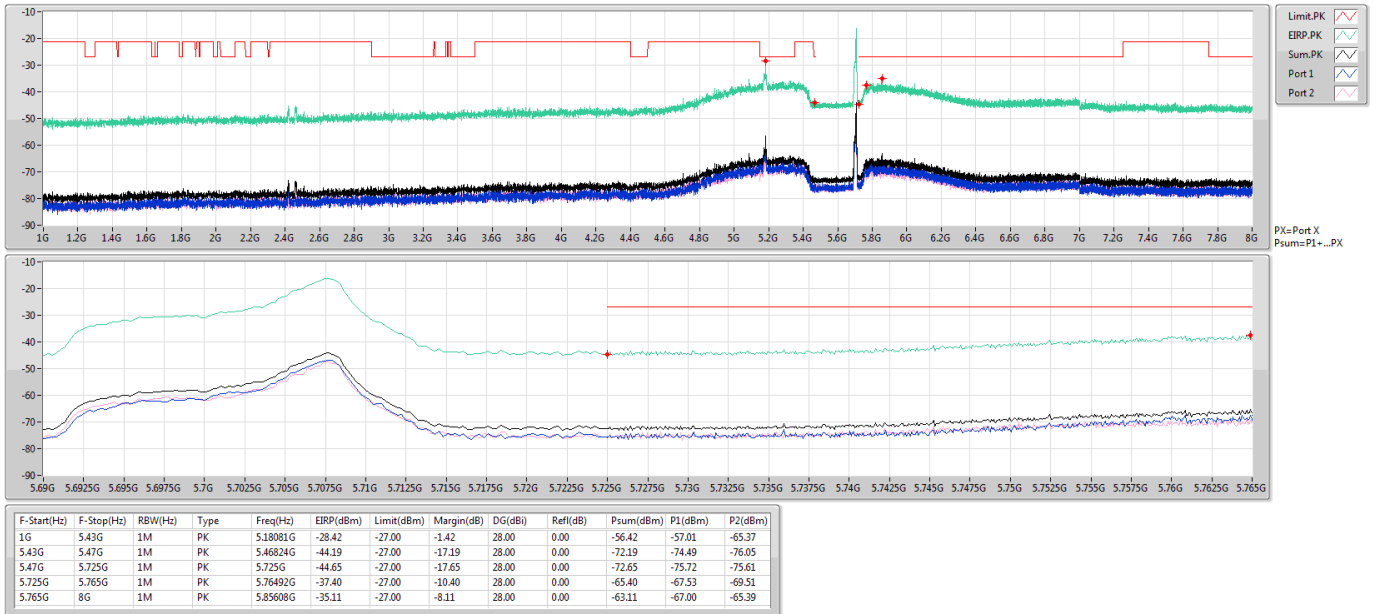
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.08834G	-42.68	-41.20	-1.48	28.00	0.00	-70.68	-73.31	-74.11
5.43G	5.47G	1M	AV	5.43008G	-50.78	-41.20	-9.58	28.00	0.00	-78.78	-82.39	-81.27
5.765G	8G	1M	AV	7.74772G	-54.77	-41.20	-13.57	28.00	0.00	-82.77	-85.51	-86.07

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-PK

19/08/2020

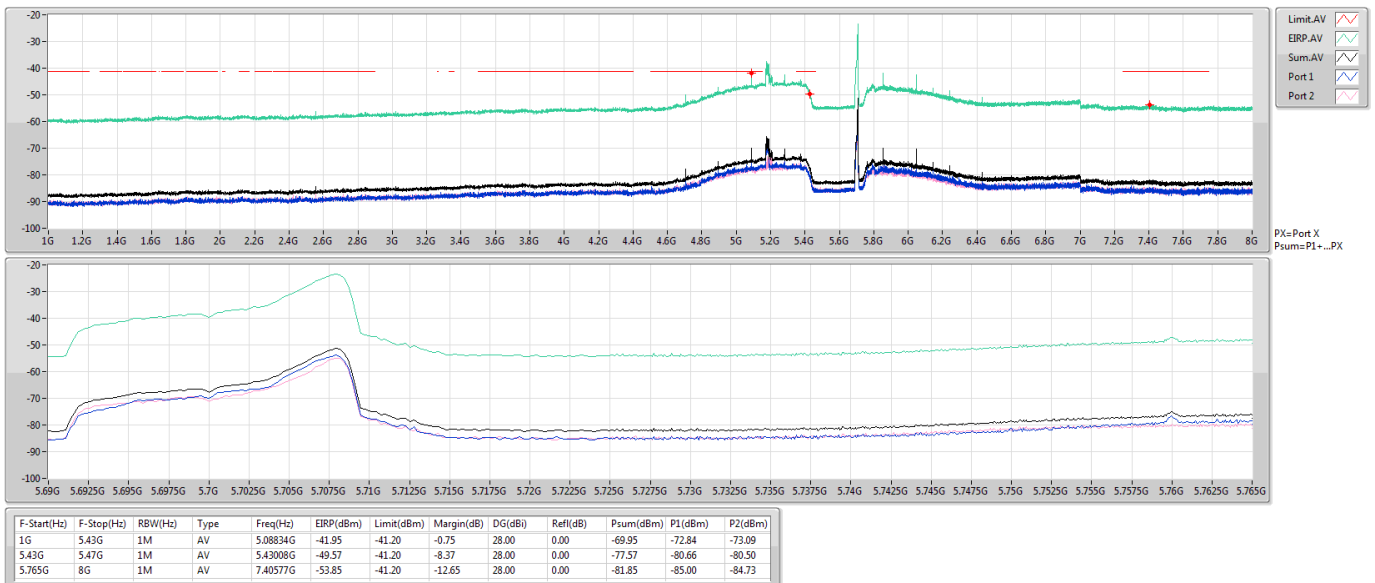


802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-AV

19/08/2020

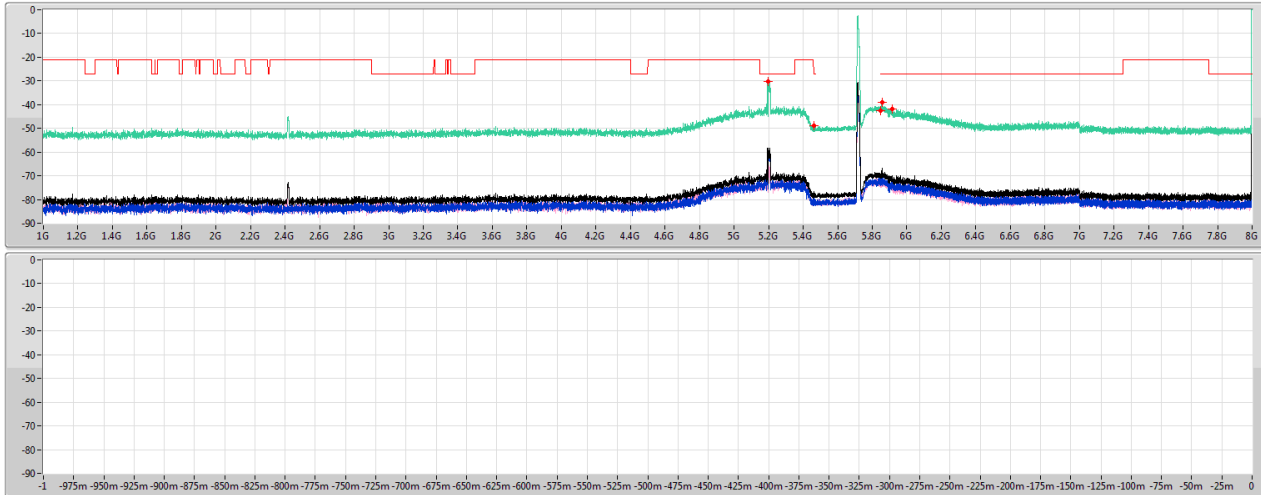


802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz

CSE-PK

19/08/2020



Limit.PK
EIRP.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)
1G	5.43G	1M	PK	5.19798G	-30.25	-27.00	-3.25	28.00	0.00	-58.25	-58.33	-75.77
5.43G	5.47G	1M	PK	5.46388G	-48.80	-27.00	-21.80	28.00	0.00	-76.80	-78.87	-81.02
5.47G	5.85G	1M	PK	5.85G	-42.46	-27.00	-15.46	28.00	0.00	-70.46	-74.07	-72.94
5.85G	5.89G	1M	PK	5.85608G	-38.87	-27.00	-11.87	28.00	0.00	-66.87	-70.48	-69.35
5.89G	8G	1M	PK	5.91374G	-41.92	-27.00	-14.92	28.00	0.00	-69.92	-72.00	-74.11

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz

CSE-AV

19/08/2020



Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

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

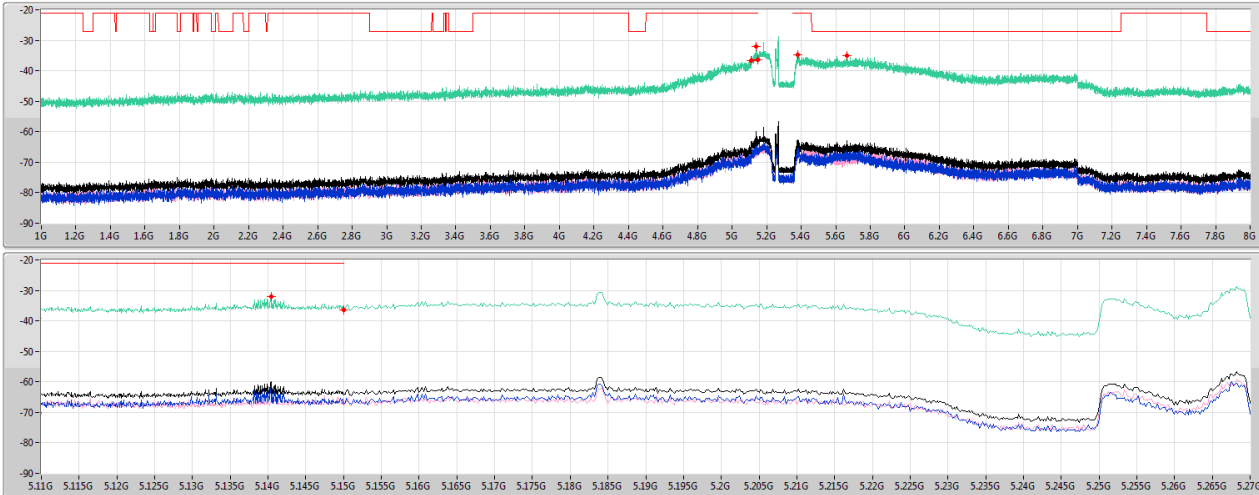
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.08834G	-47.31	-41.20	-6.11	28.00	0.00	-75.32	-78.15	-78.51
5.43G	5.47G	1M	AV	5.43048G	-54.47	-41.20	-13.27	28.00	0.00	-82.47	-85.53	-85.44
5.89G	8G	1M	AV	7.39522G	-58.69	-41.20	-17.49	28.00	0.00	-86.69	-89.46	-89.95

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz

CSE-PK

18/08/2020



Limit.PK
ERP.PK
Sum.PK
Port 1
Port 2

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

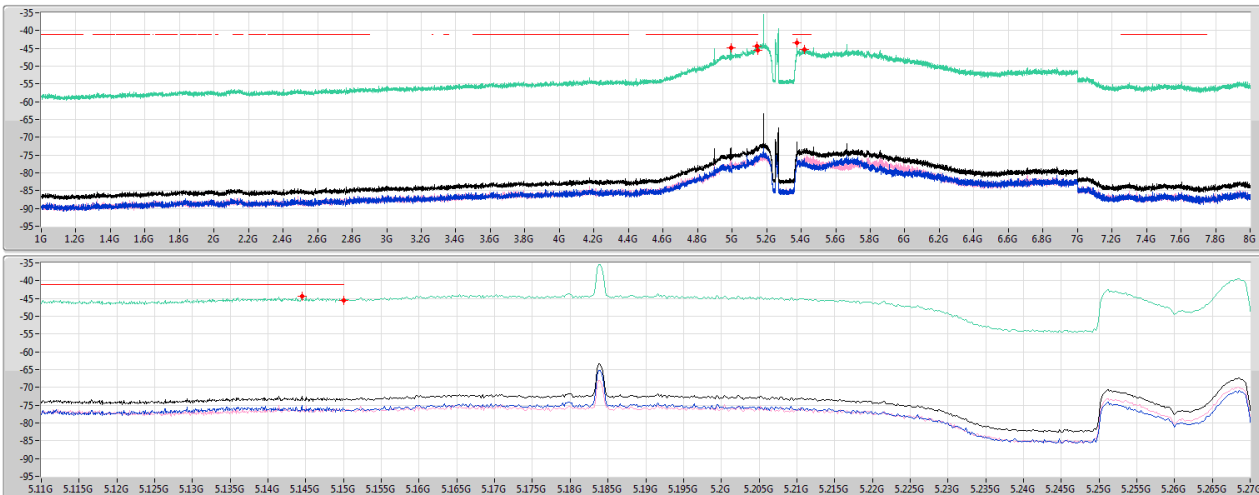
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.10795G	-36.62	-21.20	-15.42	28.00	0.00	-64.62	-68.02	-67.28
5.11G	5.15G	1M	PK	5.14048G	-31.98	-21.20	-10.78	28.00	0.00	-59.98	-60.99	-66.81
5.15G	5.35G	1M	PK	5.15G	-36.41	-21.20	-15.21	28.00	0.00	-64.41	-67.34	-67.50
5.35G	5.39G	1M	PK	5.37912G	-34.70	-21.20	-13.50	28.00	0.00	-62.70	-64.29	-67.82
5.39G	8G	1M	PK	5.66405G	-35.02	-27.00	-8.02	28.00	0.00	-63.02	-65.23	-67.02

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz

CSE-AV

18/08/2020



Limit.AV
ERP.AV
Sum.AV
Port 1
Port 2

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

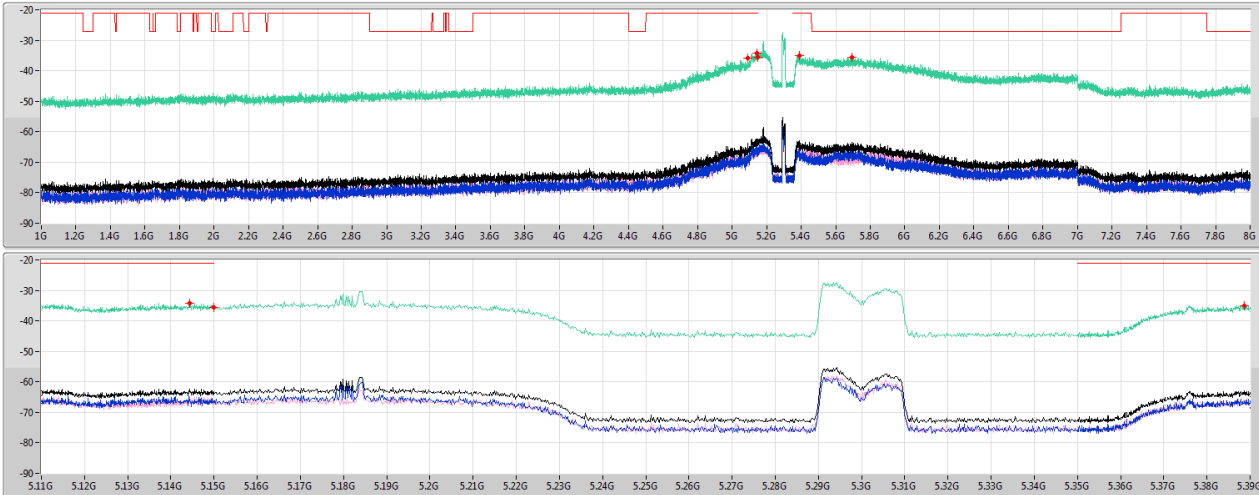
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	4.99235G	-44.91	-41.20	-3.71	28.00	0.00	-72.91	-79.02	-74.13
5.11G	5.15G	1M	AV	5.14448G	-44.49	-41.20	-3.29	28.00	0.00	-72.49	-75.03	-76.03
5.15G	5.35G	1M	AV	5.15G	-45.46	-41.20	-4.26	28.00	0.00	-73.46	-76.31	-76.64
5.35G	5.39G	1M	AV	5.376G	-43.42	-41.20	-2.22	28.00	0.00	-71.42	-74.51	-74.36
5.39G	8G	1M	AV	5.41969G	-45.24	-41.20	-4.04	28.00	0.00	-73.24	-77.15	-75.50

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz

CSE-PK

18/08/2020



Limit.PK
ERP.PK
Sum.PK
Port 1
Port 2

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

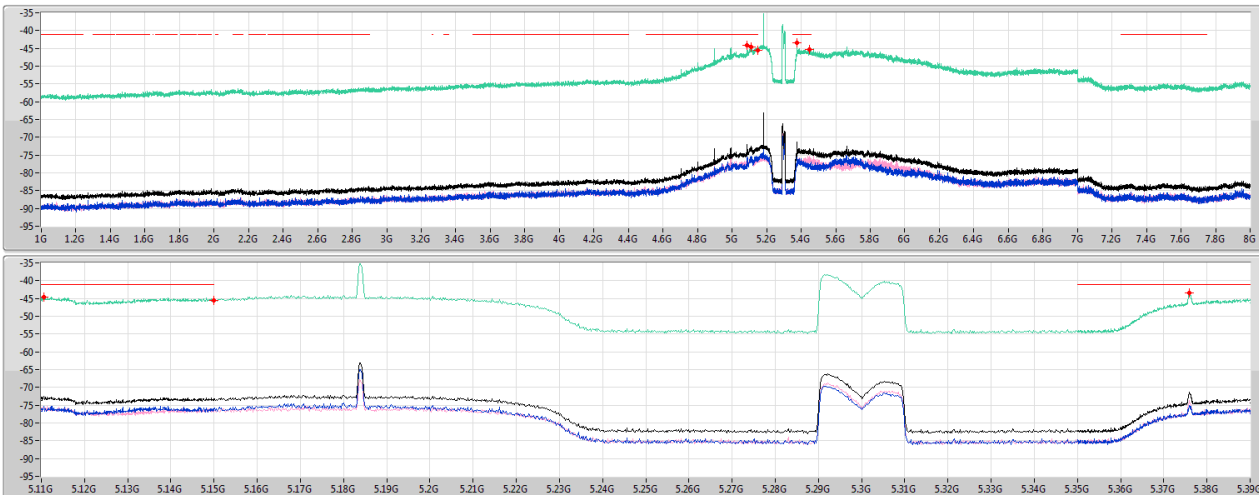
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.09151G	-35.82	-21.20	-14.62	28.00	0.00	-63.82	-65.39	-69.01
5.11G	5.15G	1M	PK	5.1444G	-34.31	-21.20	-13.11	28.00	0.00	-62.31	-65.72	-64.96
5.15G	5.35G	1M	PK	5.15G	-35.51	-21.20	-14.31	28.00	0.00	-63.51	-66.50	-66.55
5.35G	5.39G	1M	PK	5.38864G	-35.03	-21.20	-13.83	28.00	0.00	-63.03	-66.12	-65.96
5.39G	8G	1M	PK	5.69602G	-35.56	-27.00	-8.56	28.00	0.00	-63.56	-65.79	-67.52

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz

CSE-AV

18/08/2020



Limit.AV
ERP.AV
Sum.AV
Port 1
Port 2

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

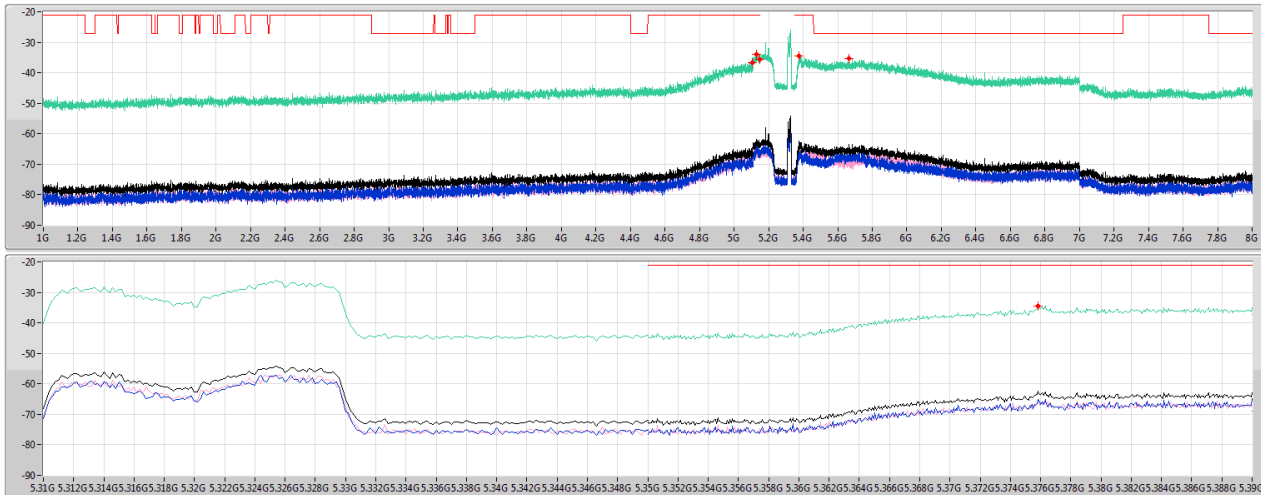
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	5.08942G	-44.14	-41.20	-2.94	28.00	0.00	-72.14	-73.72	-77.29
5.11G	5.15G	1M	AV	5.11064G	-44.52	-41.20	-3.32	28.00	0.00	-72.52	-75.21	-75.88
5.15G	5.35G	1M	AV	5.15G	-45.62	-41.20	-4.42	28.00	0.00	-73.62	-76.38	-76.89
5.35G	5.39G	1M	AV	5.37992G	-43.33	-41.20	-2.13	28.00	0.00	-71.33	-75.17	-73.65
5.39G	8G	1M	AV	5.44612G	-45.32	-41.20	-4.12	28.00	0.00	-73.32	-77.59	-75.35

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz

CSE-PK

18/08/2020



Limit.PK
ERP.PK
Sum.PK
Port 1
Port 2

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

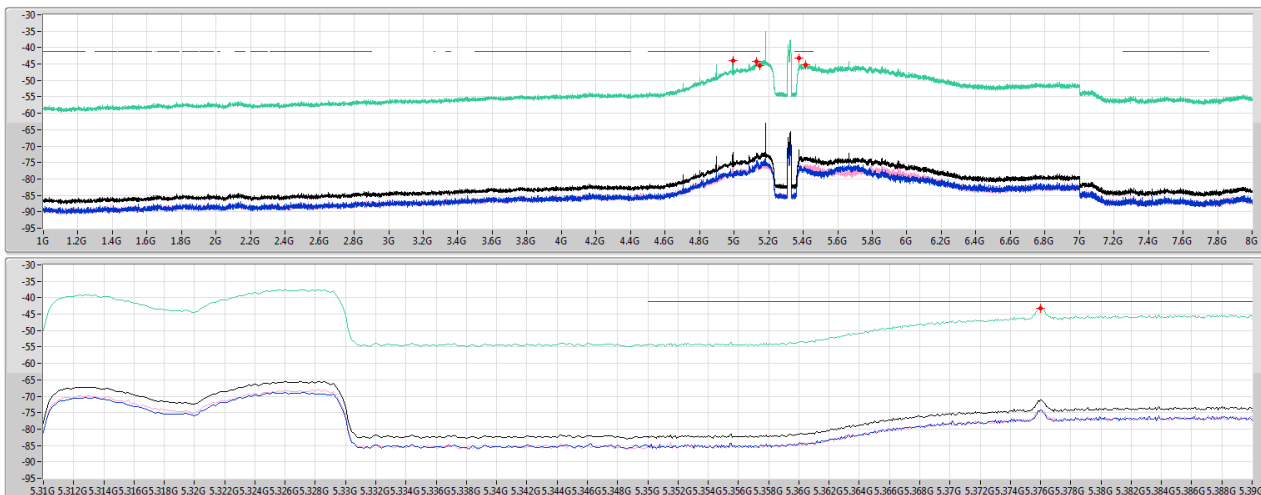
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.10486G	-36.64	-21.20	-15.44	28.00	0.00	-64.64	-69.44	-66.38
5.11G	5.15G	1M	PK	5.12984G	-33.92	-21.20	-12.72	28.00	0.00	-61.92	-64.62	-65.26
5.15G	5.35G	1M	PK	5.15G	-35.61	-21.20	-14.41	28.00	0.00	-63.61	-66.35	-66.91
5.35G	5.39G	1M	PK	5.37584G	-34.39	-21.20	-13.19	28.00	0.00	-62.39	-65.15	-65.67
5.39G	8G	1M	PK	5.66372G	-35.37	-27.00	-8.37	28.00	0.00	-63.37	-65.49	-67.51

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz

CSE-AV

18/08/2020



Limit.AV
ERP.AV
Sum.AV
Port 1
Port 2

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

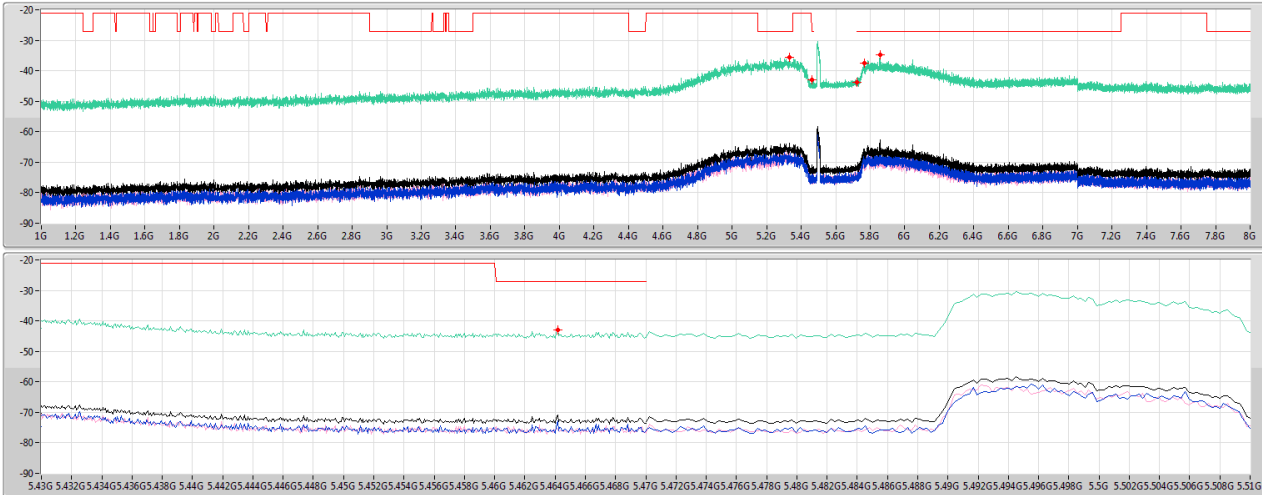
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	4.99235G	-43.85	-41.20	-2.65	28.00	0.00	-71.85	-78.78	-72.84
5.11G	5.15G	1M	AV	5.1308G	-44.18	-41.20	-2.98	28.00	0.00	-72.18	-74.32	-76.27
5.15G	5.35G	1M	AV	5.15G	-45.45	-41.20	-4.25	28.00	0.00	-73.45	-76.13	-76.81
5.35G	5.39G	1M	AV	5.376G	-43.16	-41.20	-1.96	28.00	0.00	-71.16	-74.26	-74.09
5.39G	8G	1M	AV	5.41284G	-45.33	-41.20	-4.13	28.00	0.00	-73.33	-76.74	-75.97

802.11ax HEW20_Nss1,(MCS0)_2TX

5500MHz

CSE-PK

19/08/2020



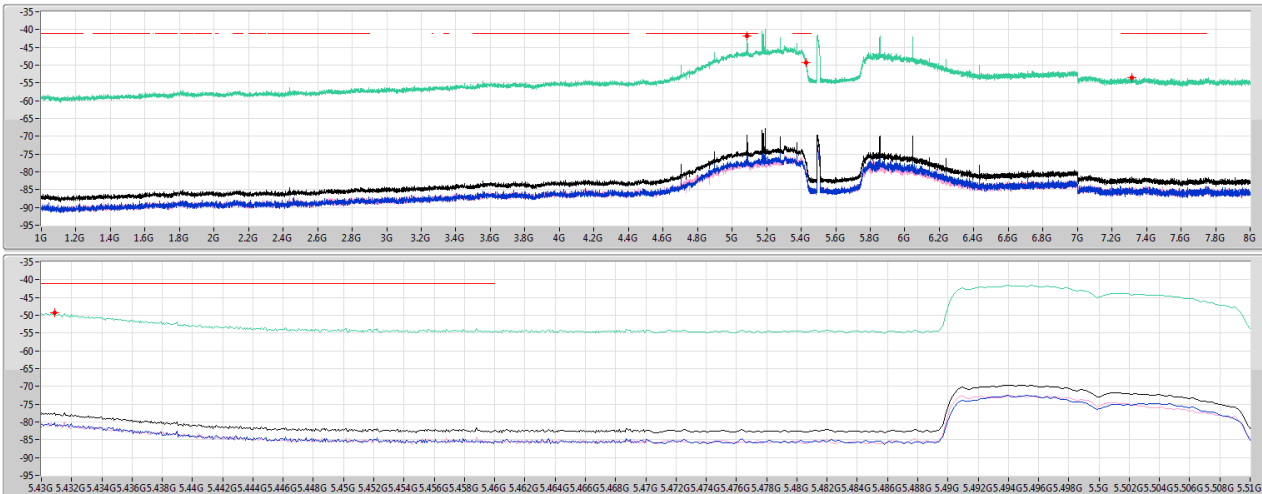
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.33143G	-35.69	-27.00	-8.69	28.00	0.00	-63.69	-67.85	-65.80
5.43G	5.47G	1M	PK	5.46416G	-42.95	-27.00	-15.95	28.00	0.00	-70.95	-72.88	-75.40
5.47G	5.725G	1M	PK	5.725G	-43.92	-27.00	-16.92	28.00	0.00	-71.92	-74.40	-75.53
5.725G	5.765G	1M	PK	5.76412G	-37.53	-27.00	-10.53	28.00	0.00	-65.53	-67.23	-70.44
5.765G	8G	1M	PK	5.85608G	-34.67	-27.00	-7.67	28.00	0.00	-62.67	-68.15	-64.12

802.11ax HEW20_Nss1,(MCS0)_2TX

5500MHz

CSE-AV

19/08/2020



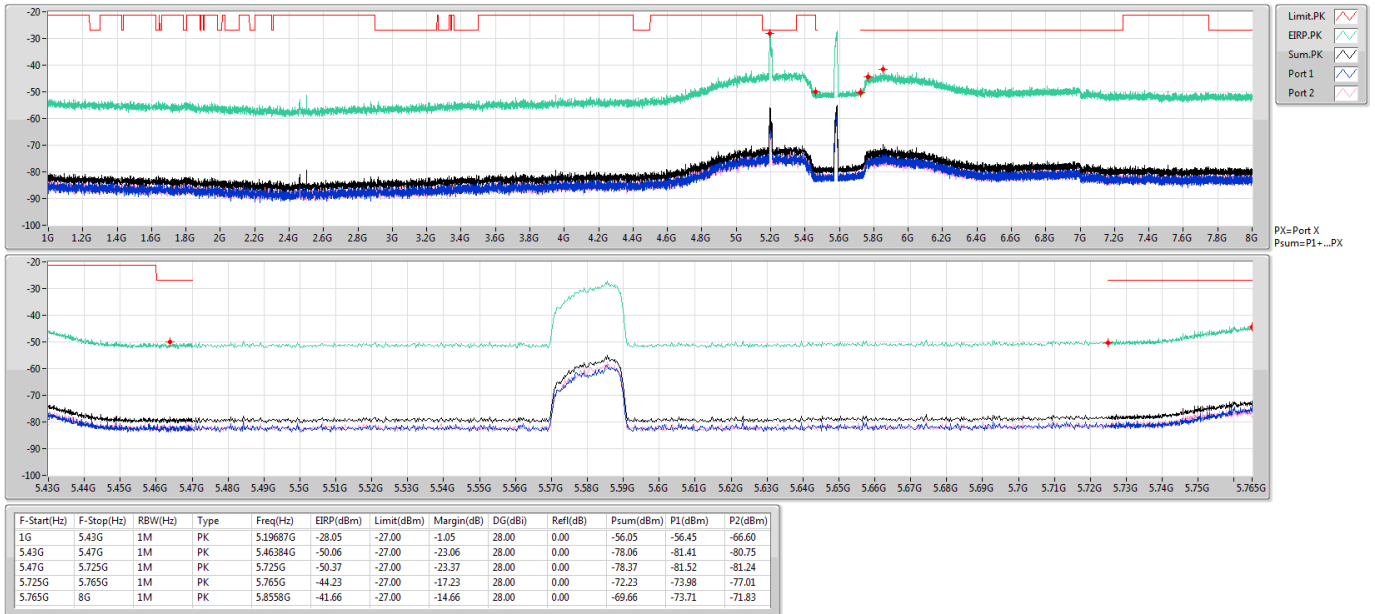
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.08834G	-41.72	-41.20	-0.52	28.00	0.00	-69.72	-72.38	-73.11
5.43G	5.47G	1M	AV	5.43088G	-49.31	-41.20	-8.11	28.00	0.00	-77.31	-80.24	-80.41
5.765G	8G	1M	AV	7.31302G	-53.49	-41.20	-12.29	28.00	0.00	-81.49	-85.15	-83.94

802.11ax HEW20_Nss1,(MCS0)_2TX

5580MHz

CSE-PK

19/08/2020

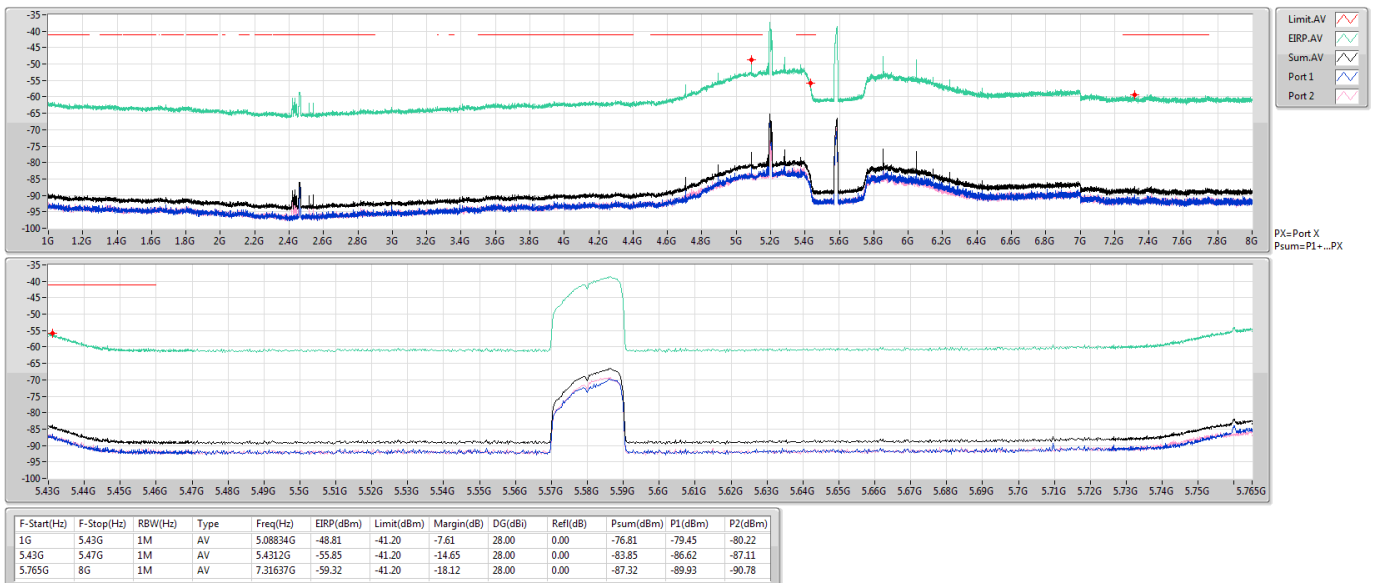


802.11ax HEW20_Nss1,(MCS0)_2TX

5580MHz

CSE-AV

19/08/2020

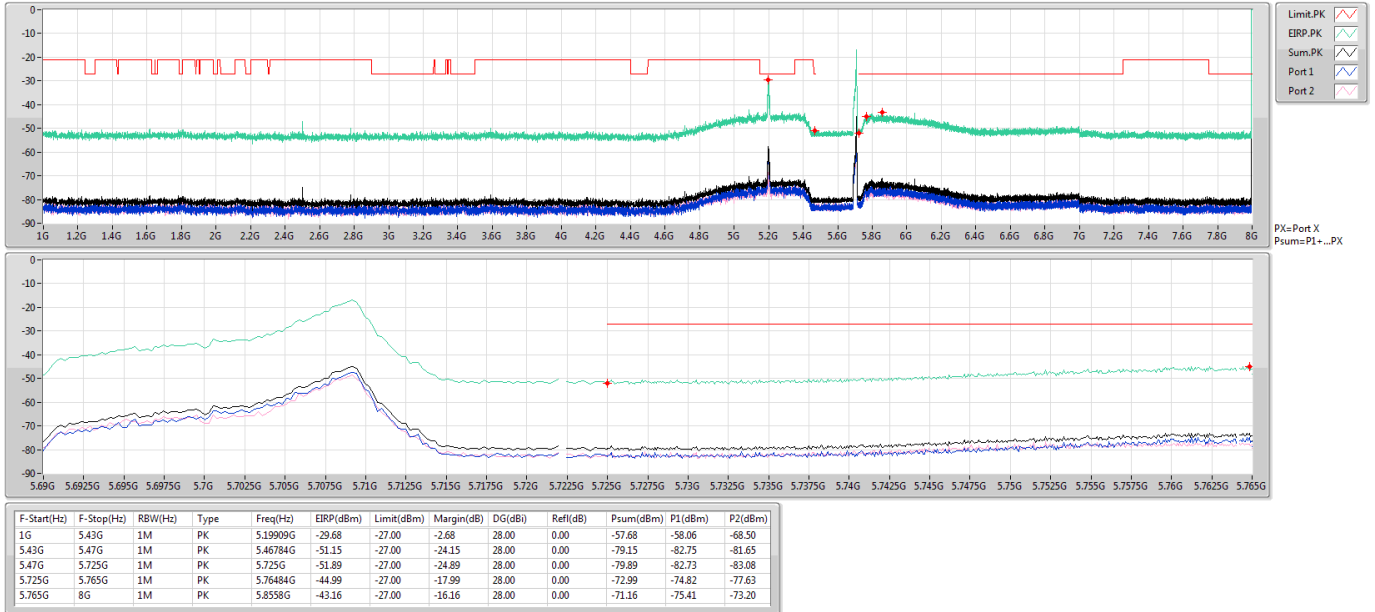


802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz

CSE-PK

19/08/2020

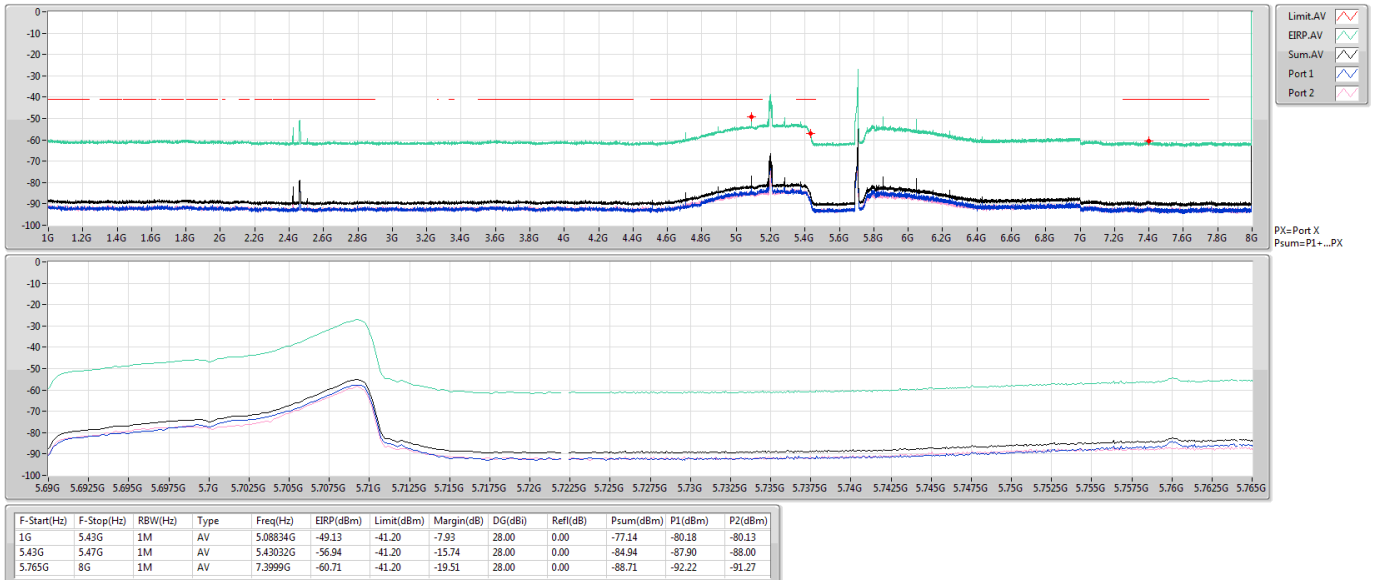


802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz

CSE-AV

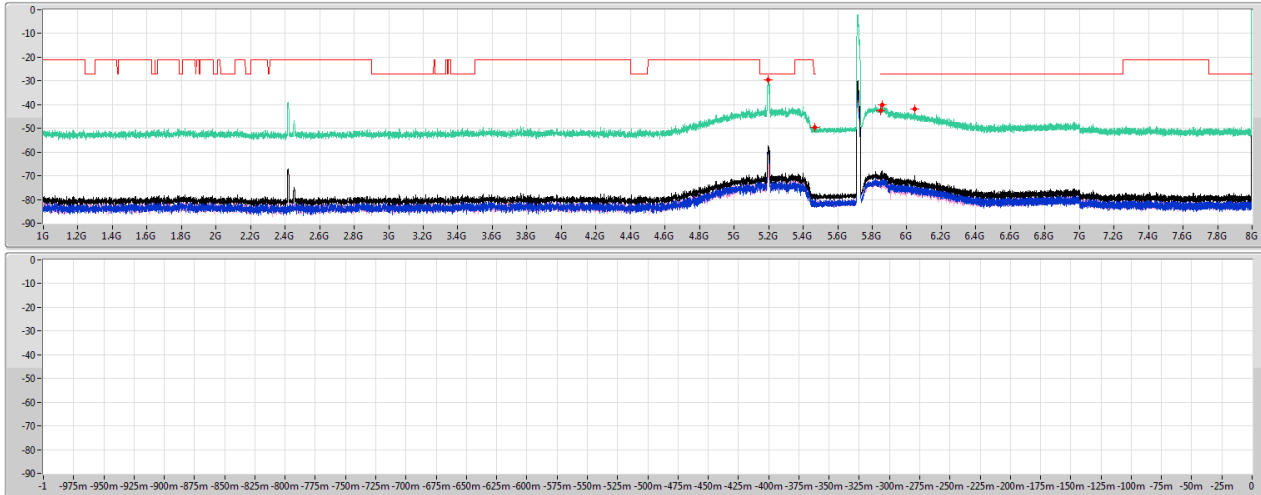
19/08/2020



802.11ax HEW20_Nss1,(MCS0)_2TX 5720MHz Straddle 5.47-5.725GHz

CSE-PK

19/08/2020



Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

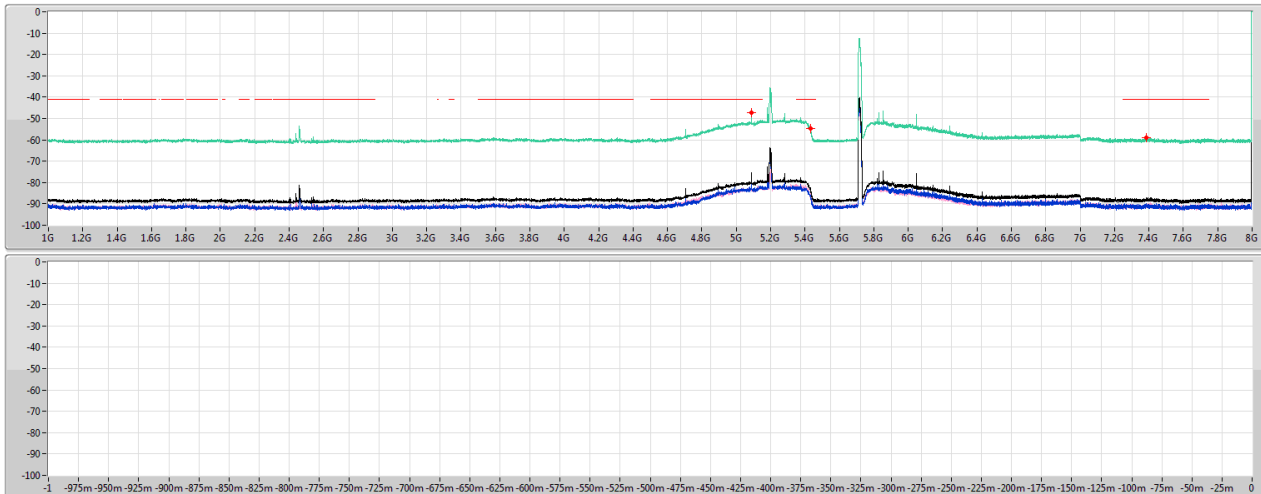
PX=Port X
Psum=P1+...PX

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)
1G	5.43G	1M	PK	5.19687G	-29.47	-27.00	-2.47	28.00	0.00	-57.47	-57.75	-69.45
5.43G	5.47G	1M	PK	5.46832G	-49.61	-27.00	-22.61	28.00	0.00	-77.61	-80.11	-81.21
5.47G	5.85G	1M	PK	5.85G	-42.39	-27.00	-15.39	28.00	0.00	-70.39	-73.55	-73.26
5.85G	5.89G	1M	PK	5.8584G	-40.02	-27.00	-13.02	28.00	0.00	-68.02	-71.35	-70.74
5.89G	8G	1M	PK	6.04799G	-41.81	-27.00	-14.81	28.00	0.00	-69.81	-72.47	-73.21

802.11ax HEW20_Nss1,(MCS0)_2TX 5720MHz Straddle 5.47-5.725GHz

CSE-AV

19/08/2020



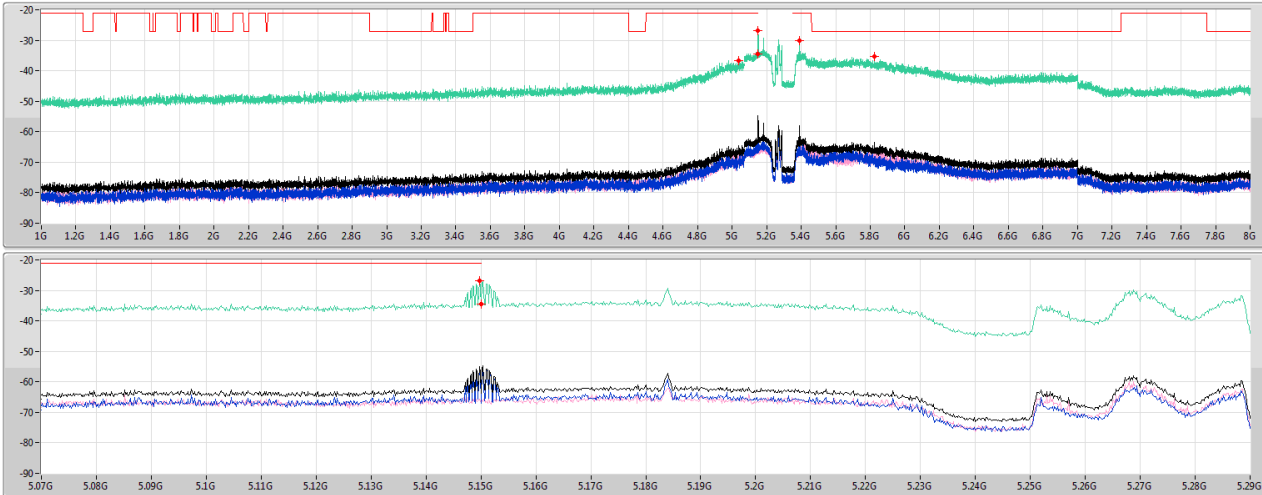
Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

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)
1G	5.43G	1M	AV	5.08834G	-47.41	-41.20	-6.21	28.00	0.00	-75.42	-78.02	-78.88
5.43G	5.47G	1M	AV	5.43032G	-54.61	-41.20	-13.41	28.00	0.00	-82.61	-86.61	-84.81
5.89G	8G	1M	AV	7.38283G	-58.99	-41.20	-17.79	28.00	0.00	-86.99	-90.01	-89.99

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz



CSE-PK

18/08/2020

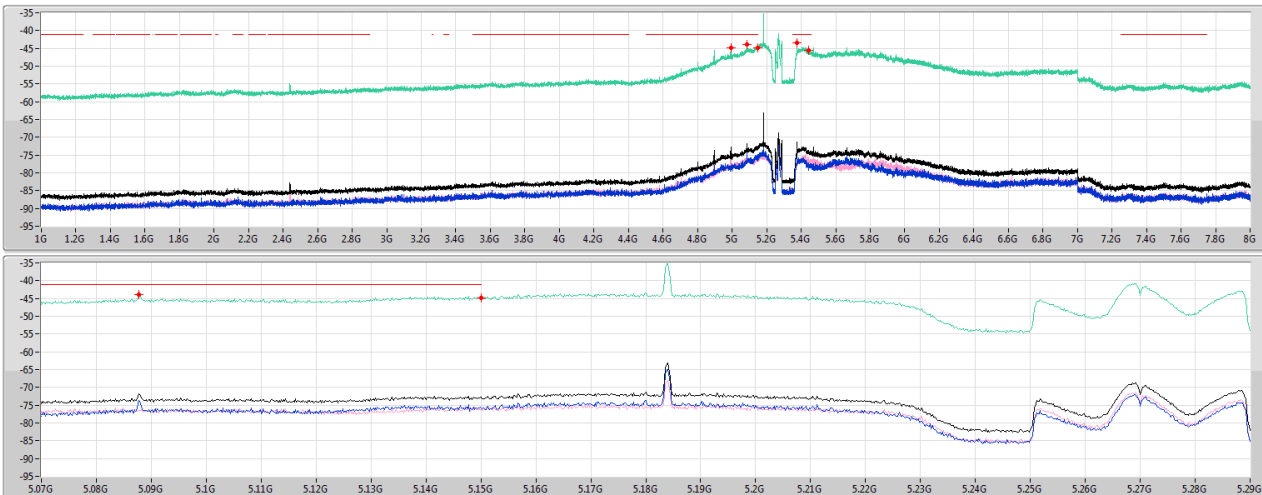
Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

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)
1G	5.07G	1M	PK	5.03795G	-36.63	-21.20	-15.43	28.00	0.00	-64.63	-69.84	-66.18
5.07G	5.15G	1M	PK	5.14968G	-26.97	-21.20	-5.77	28.00	0.00	-54.97	-55.35	-65.69
5.15G	5.35G	1M	PK	5.15G	-34.57	-21.20	-13.37	28.00	0.00	-62.57	-65.96	-65.23
5.35G	5.43G	1M	PK	5.3892G	-30.03	-21.20	-8.83	28.00	0.00	-58.03	-58.58	-67.31
5.43G	8G	1M	PK	5.82321G	-35.41	-27.00	-8.41	28.00	0.00	-63.41	-68.24	-65.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz



CSE-AV

18/08/2020

Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

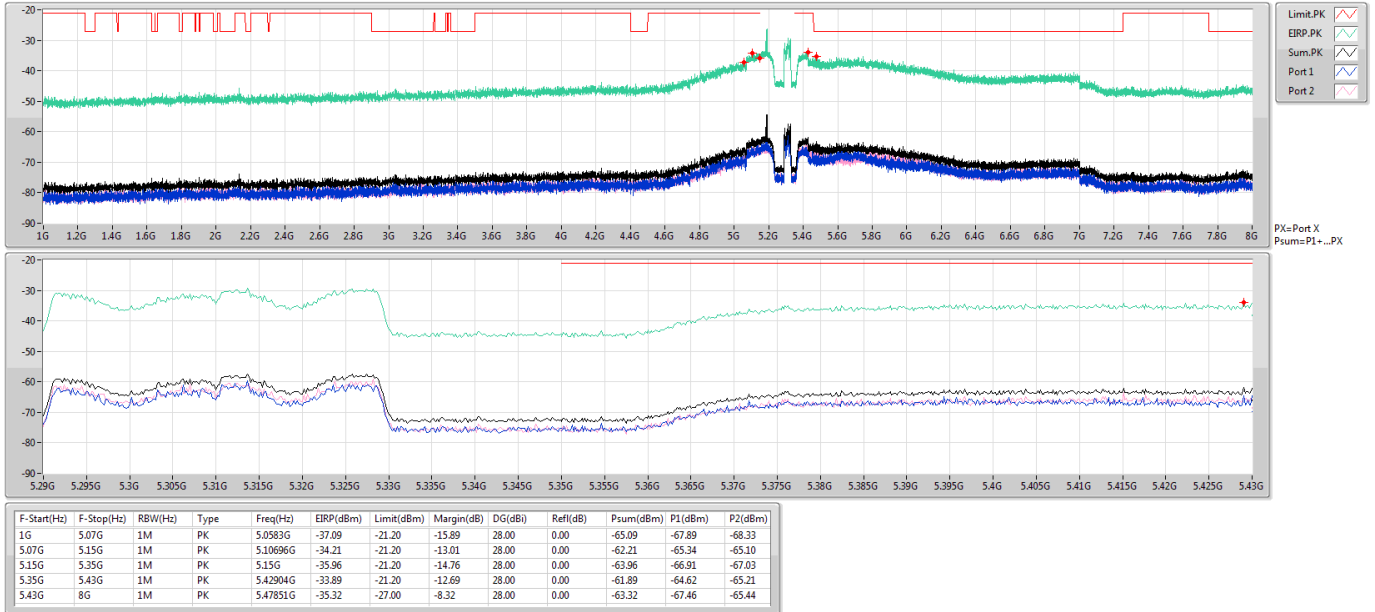
PX=Port X
Psum=P1+...PX

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)
1G	5.07G	1M	AV	4.99216G	-44.77	-41.20	-3.57	28.00	0.00	-72.77	-78.39	-74.16
5.07G	5.15G	1M	AV	5.08776G	-43.82	-41.20	-2.62	28.00	0.00	-71.82	-73.58	-76.58
5.15G	5.35G	1M	AV	5.15G	-44.77	-41.20	-3.57	28.00	0.00	-72.77	-75.75	-75.82
5.35G	5.43G	1M	AV	5.37608G	-43.39	-41.20	-2.19	28.00	0.00	-71.39	-74.61	-74.20
5.43G	8G	1M	AV	5.44317G	-45.56	-41.20	-4.36	28.00	0.00	-73.56	-77.27	-75.96

802.11ax HEW40_Nss1,(MCS0)_2TX

CSE-PK

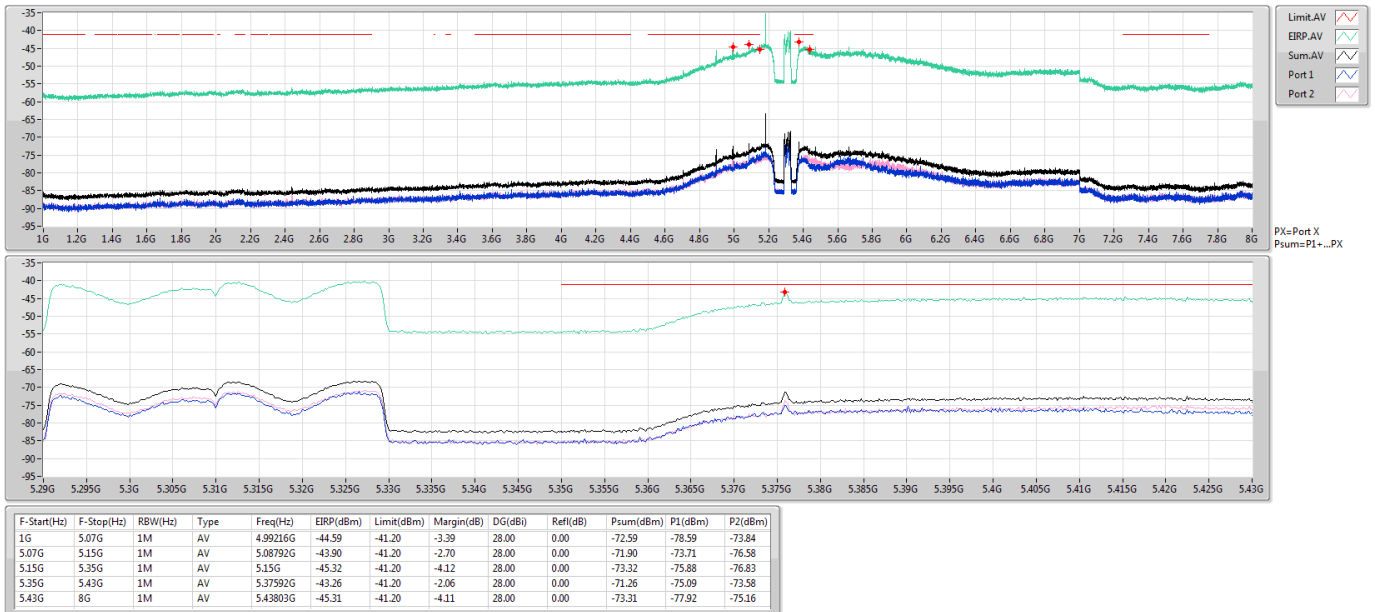
5310MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE-AV

5310MHz

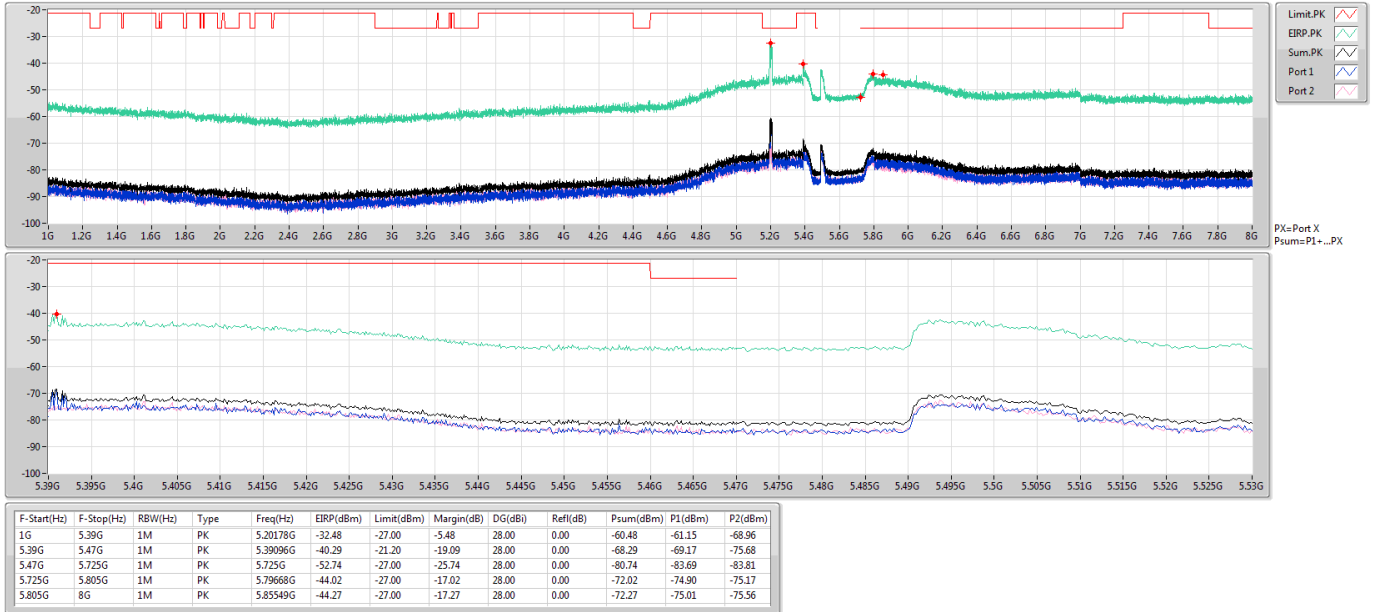




802.11ax HEW40_Nss1,(MCS0)_2TX

CSE-PK

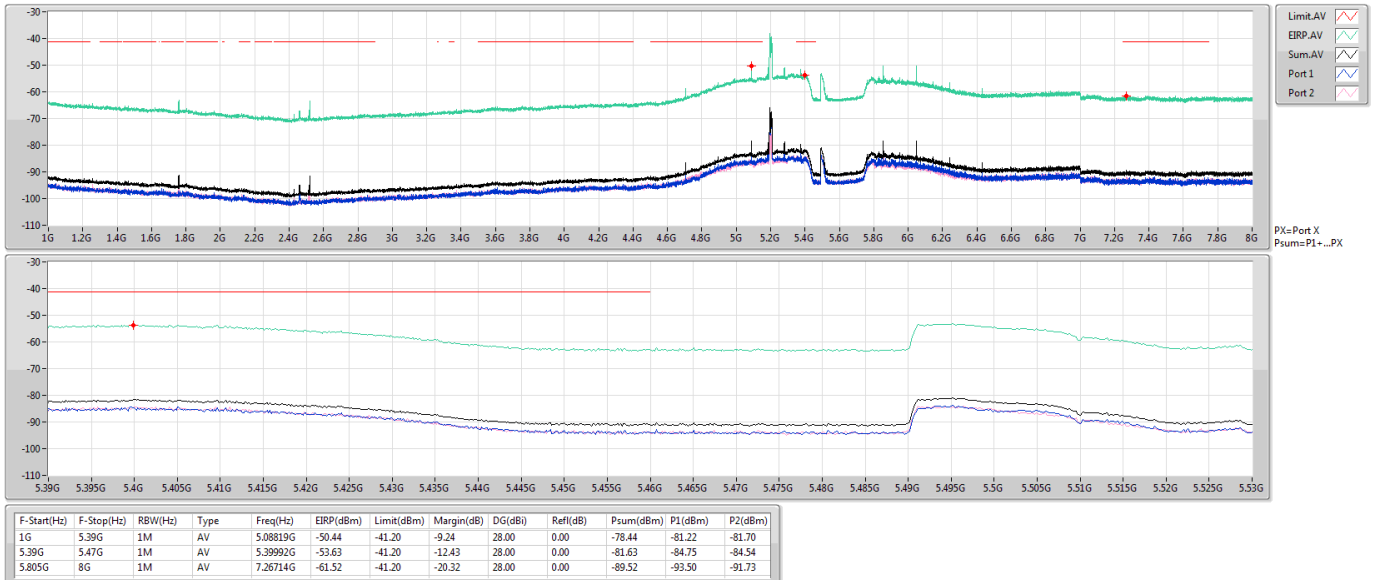
5510MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE-AV

5510MHz

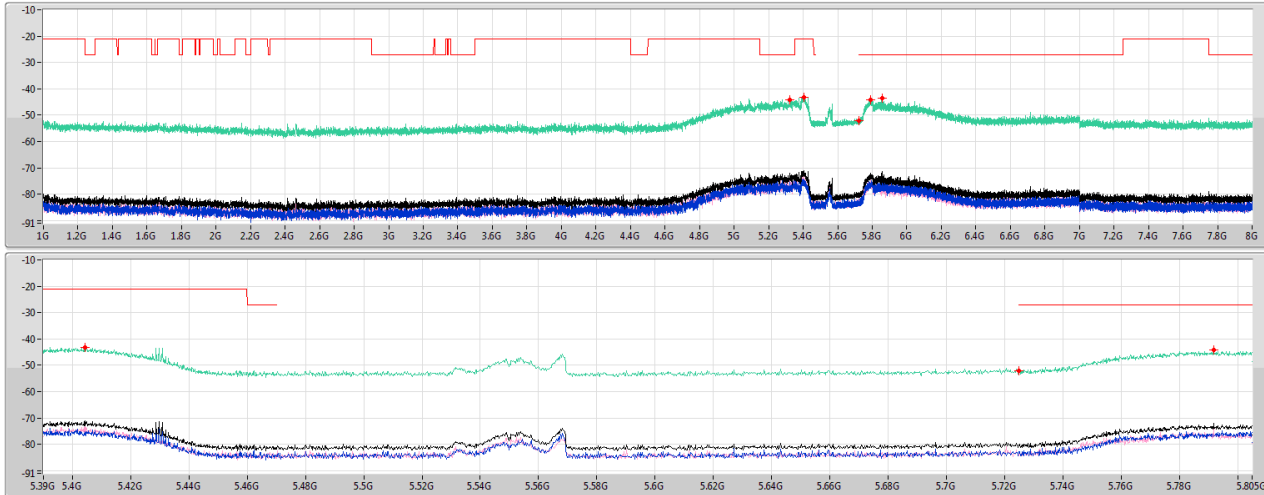


802.11ax HEW40_Nss1,(MCS0)_2TX

5550MHz

CSE-PK

19/08/2020



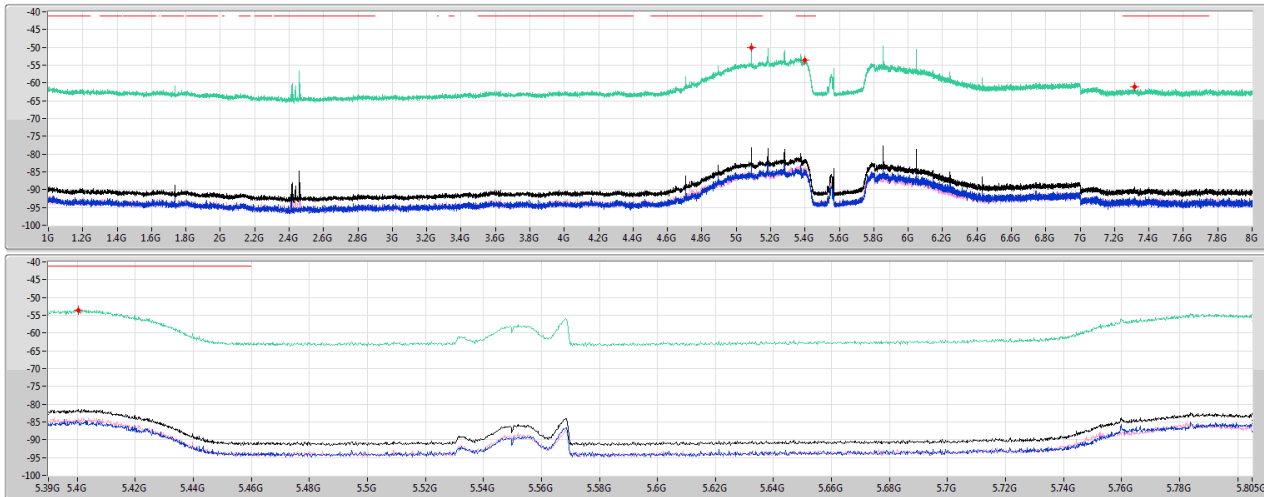
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.39G	1M	PK	5.3247G	-44.14	-27.00	-17.14	28.00	0.00	-72.14	-75.56	-74.77
5.39G	5.47G	1M	PK	5.40024G	-43.10	-21.20	-21.90	28.00	0.00	-71.10	-75.24	-73.22
5.47G	5.725G	1M	PK	5.725G	-52.12	-27.00	-25.12	28.00	0.00	-80.12	-82.86	-83.42
5.725G	5.805G	1M	PK	5.79172G	-44.11	-27.00	-17.11	28.00	0.00	-72.11	-76.40	-74.14
5.805G	8G	1M	PK	5.85576G	-43.43	-27.00	-16.43	28.00	0.00	-71.43	-74.95	-73.99

802.11ax HEW40_Nss1,(MCS0)_2TX

5550MHz

CSE-AV

19/08/2020



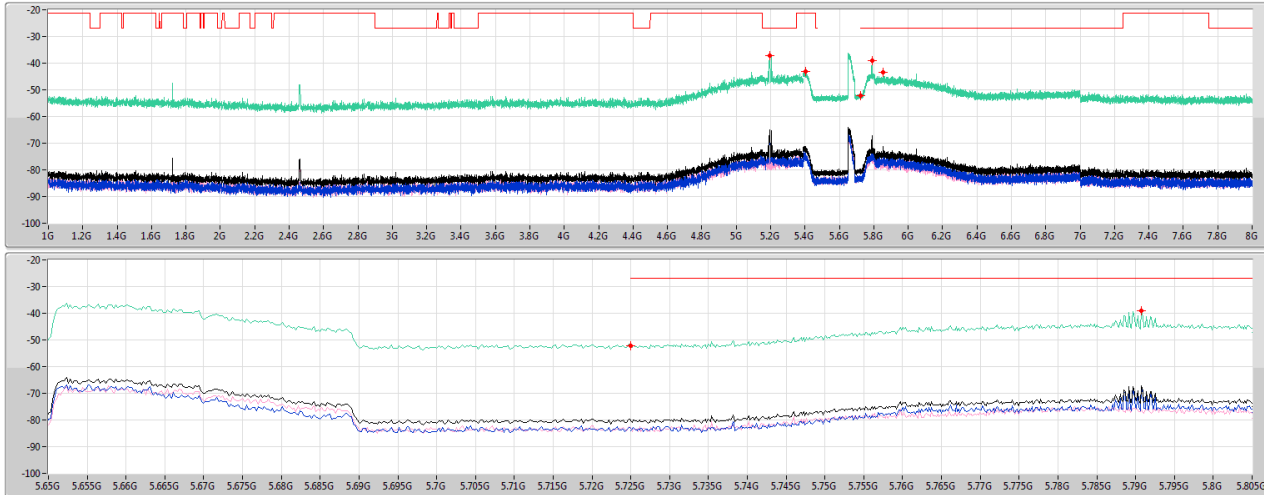
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.39G	1M	AV	5.08819G	-50.13	-41.20	-8.93	28.00	0.00	-78.13	-81.29	-81.00
5.39G	5.47G	1M	AV	5.40024G	-53.48	-41.20	-12.28	28.00	0.00	-81.48	-85.07	-83.98
5.805G	8G	1M	AV	7.31653G	-61.16	-41.20	-19.96	28.00	0.00	-89.16	-92.05	-92.30

802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz

CSE-PK

19/08/2020



Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

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

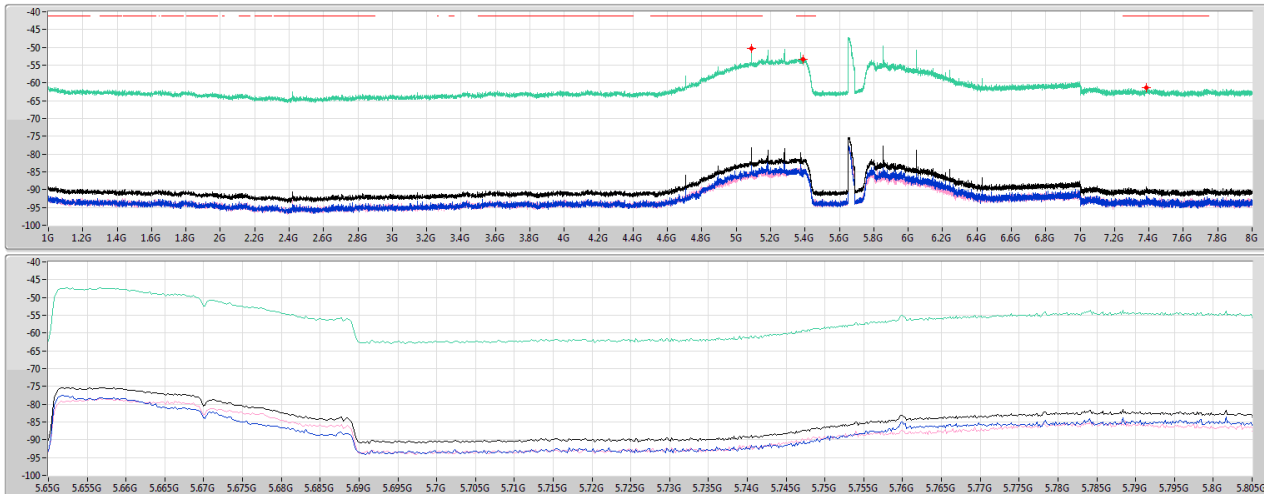
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.39G	1M	PK	5.19465G	-37.08	-27.00	-10.08	28.00	0.00	-65.08	-65.23	-79.83
5.39G	5.47G	1M	PK	5.40568G	-43.27	-21.20	-22.07	28.00	0.00	-71.27	-73.72	-74.93
5.47G	5.725G	1M	PK	5.725G	-52.15	-27.00	-25.15	28.00	0.00	-80.15	-83.26	-83.06
5.725G	5.805G	1M	PK	5.79076G	-39.07	-27.00	-12.07	28.00	0.00	-67.07	-67.62	-76.28
5.805G	8G	1M	PK	5.85576G	-43.34	-27.00	-16.34	28.00	0.00	-71.34	-74.61	-74.10

802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz

CSE-AV

19/08/2020



Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

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

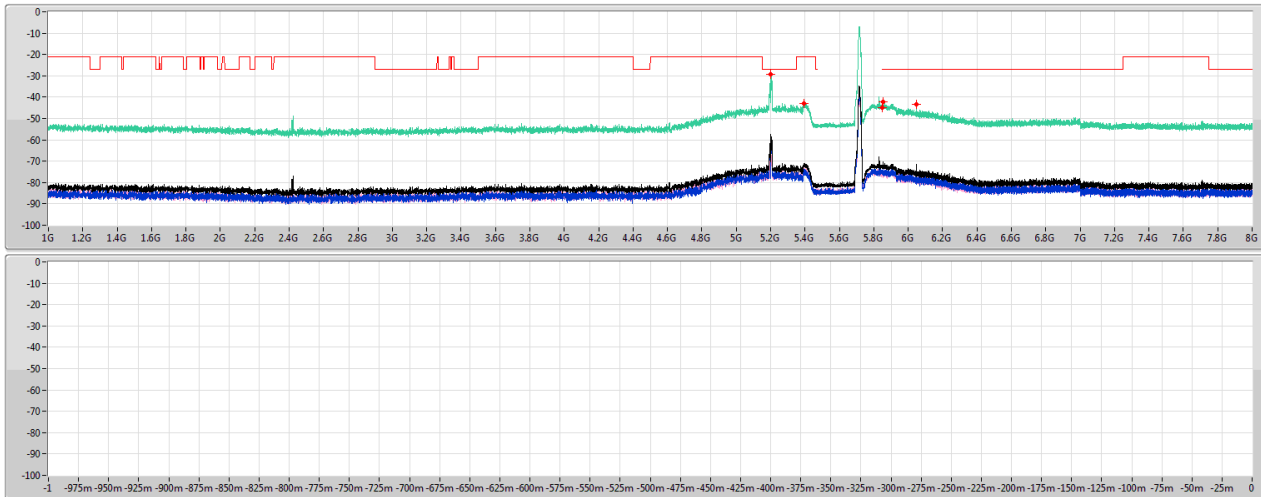
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.39G	1M	AV	5.08819G	-50.20	-41.20	-9.00	28.00	0.00	-78.20	-80.80	-81.67
5.39G	5.47G	1M	AV	5.39064G	-53.42	-41.20	-12.22	28.00	0.00	-81.42	-84.31	-84.55
5.805G	8G	1M	AV	7.38705G	-61.32	-41.20	-20.12	28.00	0.00	-89.32	-92.45	-92.21



802.11ax HEW40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.47-5.725GHz

CSE-PK

19/08/2020



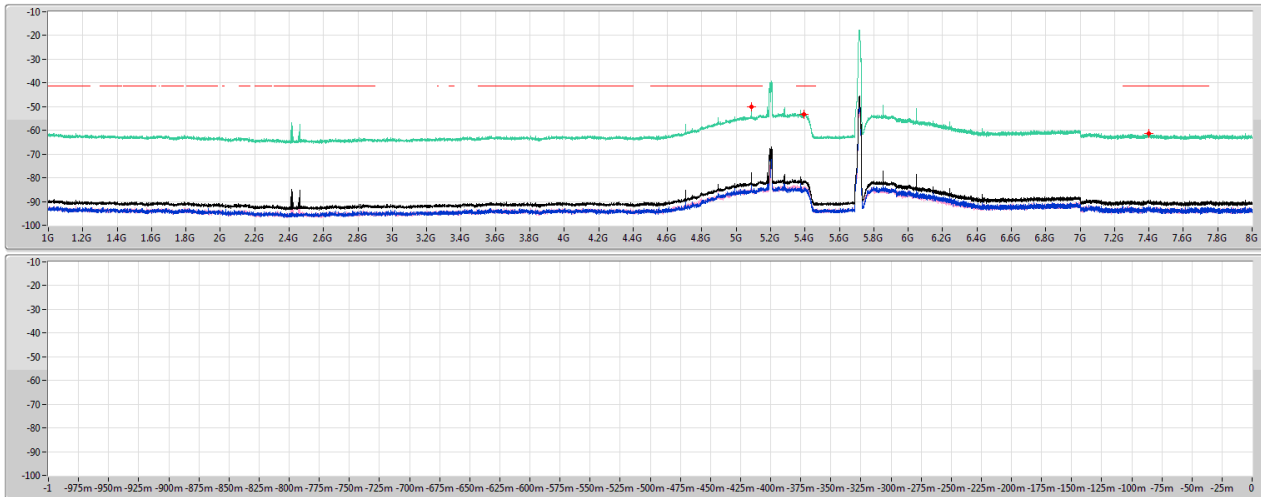
PX=Port X
Psum=P1+...PX

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)
1G	5.39G	1M	PK	5.20233G	-29.30	-27.00	-2.30	28.00	0.00	-57.30	-57.47	-71.52
5.39G	5.47G	1M	PK	5.39166G	-43.02	-21.20	-21.82	28.00	0.00	-71.02	-74.99	-73.24
5.47G	5.85G	1M	PK	5.85G	-44.97	-27.00	-17.97	28.00	0.00	-72.97	-75.54	-76.47
5.85G	5.93G	1M	PK	5.85592G	-42.25	-27.00	-15.25	28.00	0.00	-70.25	-73.25	-73.27
5.93G	8G	1M	PK	6.04773G	-43.45	-27.00	-16.45	28.00	0.00	-71.45	-73.30	-76.04

802.11ax HEW40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.47-5.725GHz

CSE-AV

19/08/2020



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

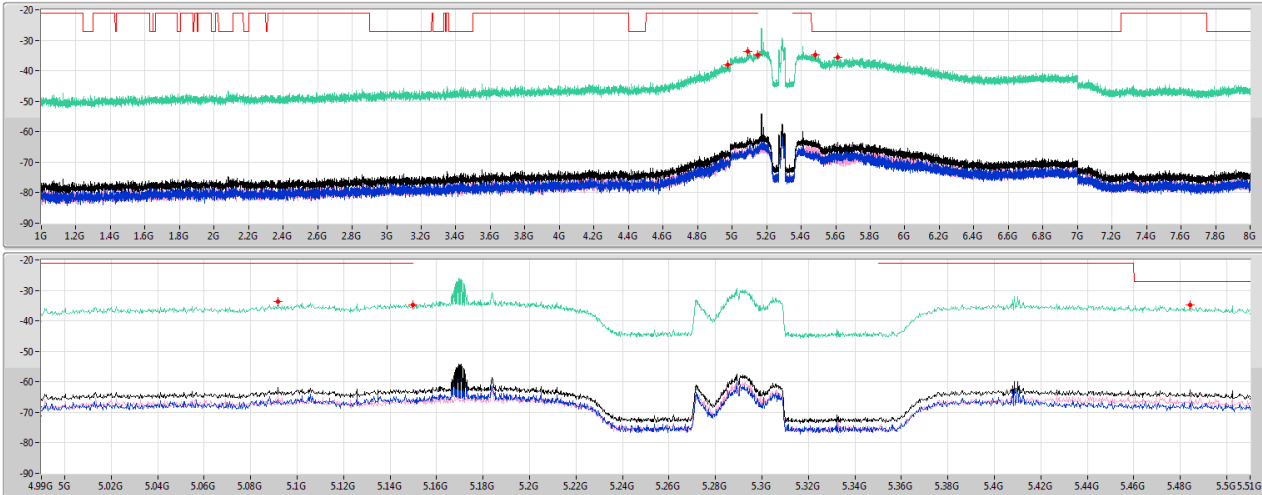
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.39G	1M	AV	5.08819G	-49.96	-41.20	-8.76	28.00	0.00	-77.96	-80.58	-81.39
5.39G	5.47G	1M	AV	5.39304G	-53.27	-41.20	-12.07	28.00	0.00	-81.27	-84.74	-83.86
5.93G	8G	1M	AV	7.39867G	-61.35	-41.20	-20.15	28.00	0.00	-89.35	-93.06	-91.75

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz

CSE-PK

18/08/2020



Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

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

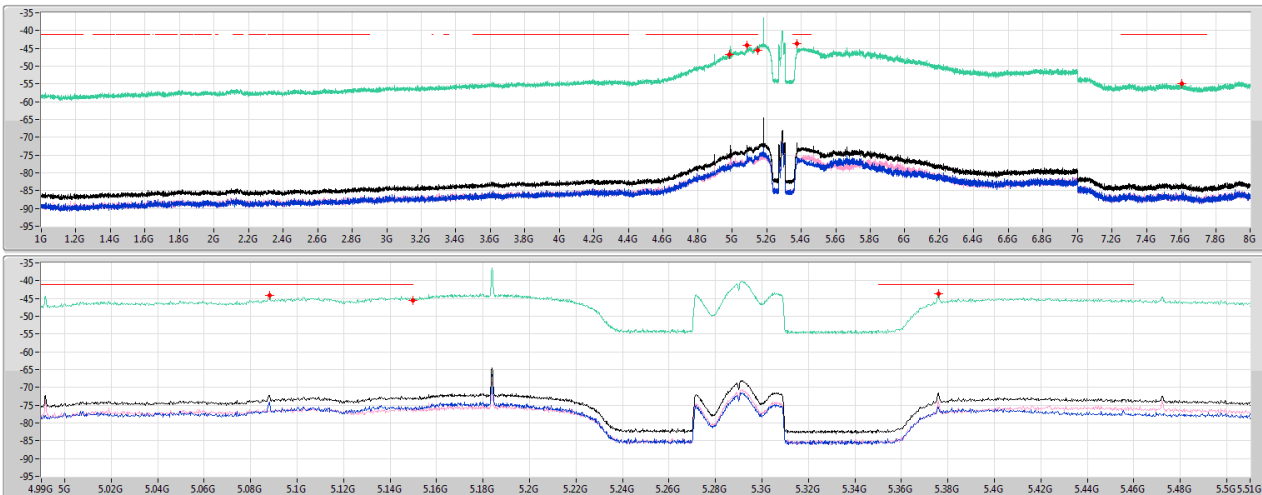
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	4.99G	1M	PK	4.97404G	-38.13	-21.20	-16.93	28.00	0.00	-66.13	-70.27	-68.24
4.99G	5.15G	1M	PK	5.09176G	-33.77	-21.20	-12.57	28.00	0.00	-61.77	-65.94	-63.87
5.15G	5.35G	1M	PK	5.15G	-34.69	-21.20	-13.49	28.00	0.00	-62.69	-65.58	-65.82
5.35G	5.51G	1M	PK	5.48408G	-34.78	-27.00	-7.78	28.00	0.00	-62.78	-66.95	-64.87
5.51G	8G	1M	PK	5.61396G	-35.47	-27.00	-8.47	28.00	0.00	-63.47	-64.51	-70.17

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz

CSE-AV

18/08/2020



Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

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

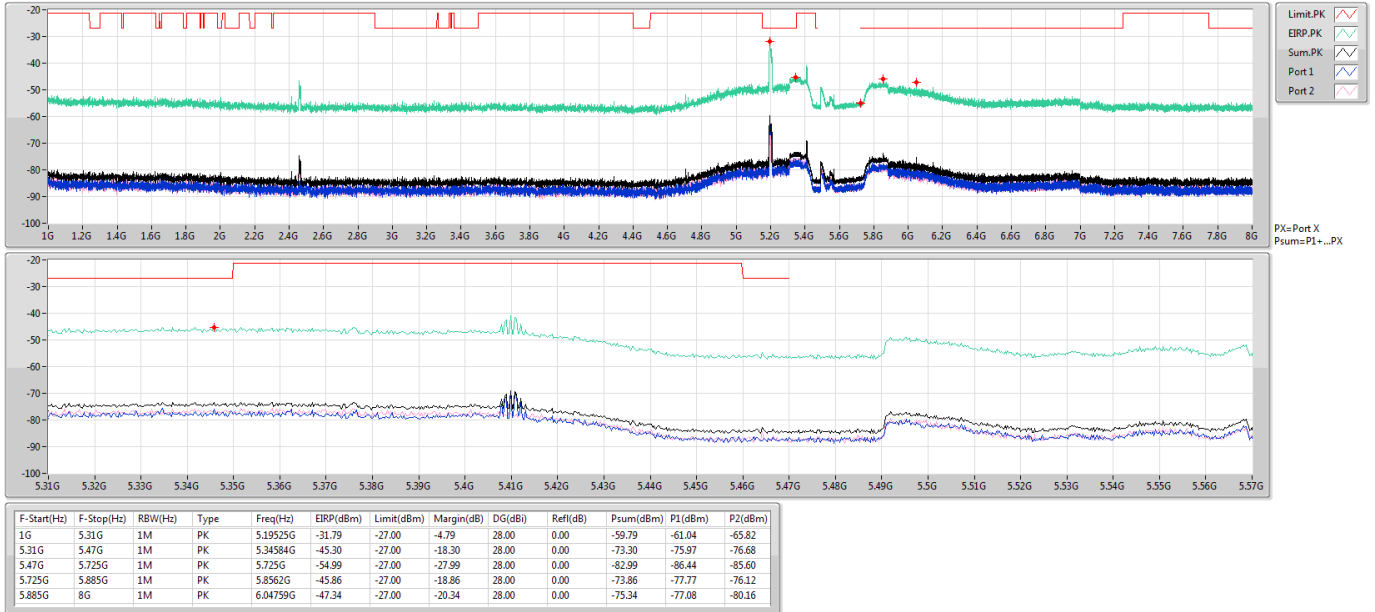
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	4.99G	1M	AV	4.98402G	-46.70	-41.20	-5.50	28.00	0.00	-74.70	-78.20	-77.27
4.99G	5.15G	1M	AV	5.08824G	-44.19	-41.20	-2.99	28.00	0.00	-72.19	-74.13	-76.61
5.15G	5.35G	1M	AV	5.15G	-45.49	-41.20	-4.29	28.00	0.00	-73.49	-76.23	-76.79
5.35G	5.51G	1M	AV	5.37592G	-43.66	-41.20	-2.46	28.00	0.00	-71.66	-75.63	-73.88
5.51G	8G	1M	AV	7.60409G	-54.88	-41.20	-13.68	28.00	0.00	-82.88	-85.12	-86.83

802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz

CSE-PK

19/08/2020

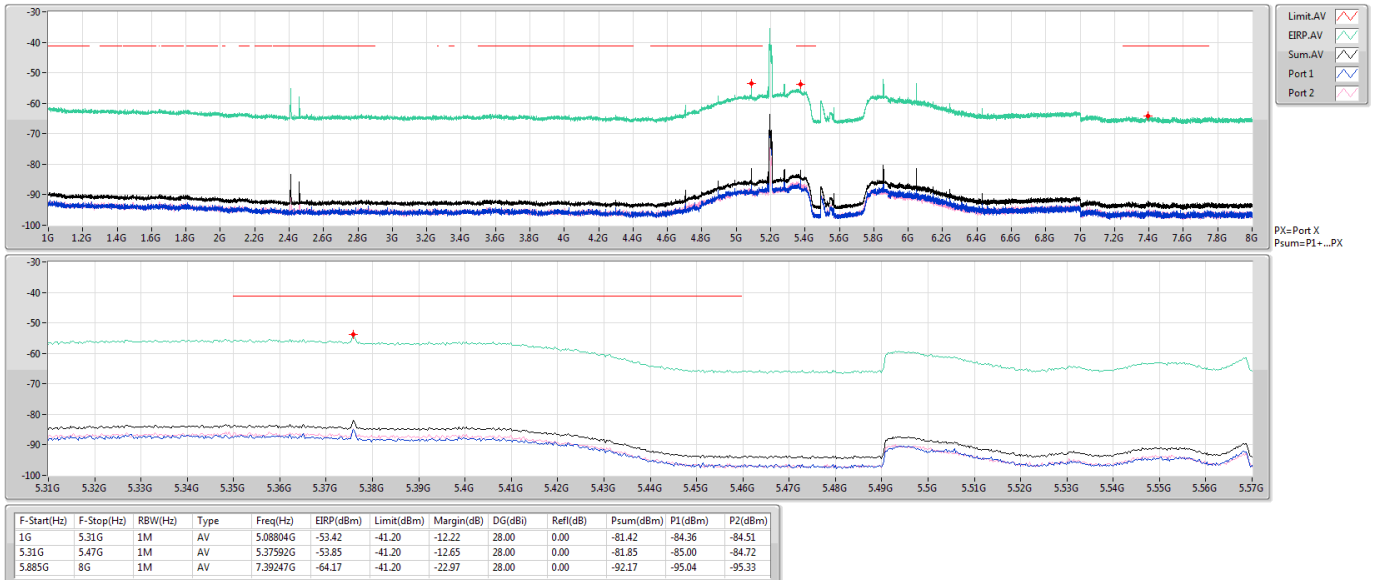


802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz

CSE-AV

19/08/2020



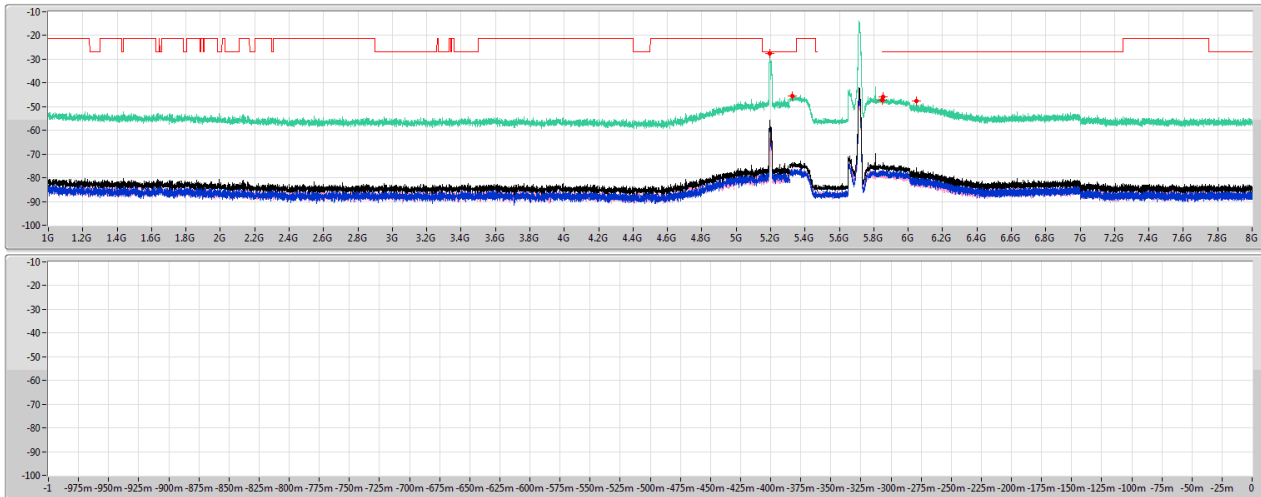


802.11ax HEW80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz

CSE-PK

19/08/2020



Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

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

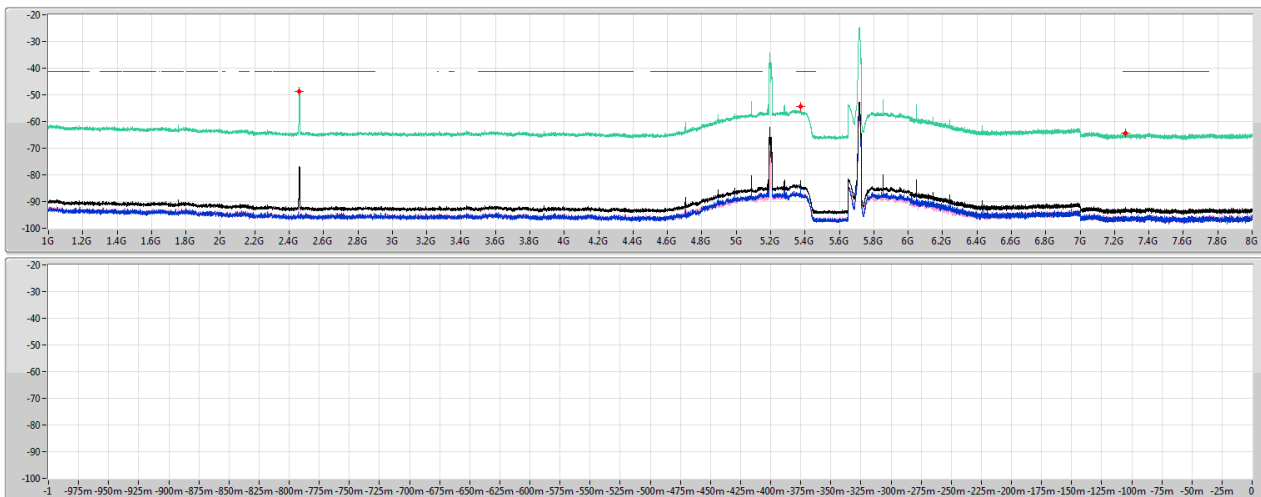
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.31G	1M	PK	5.19417G	-27.71	-27.00	-0.71	28.00	0.00	-55.71	-56.51	-63.48
5.31G	5.47G	1M	PK	5.32408G	-45.55	-27.00	-18.55	28.00	0.00	-73.55	-77.06	-76.11
5.47G	5.85G	1M	PK	5.85G	-47.41	-27.00	-20.41	28.00	0.00	-75.41	-77.46	-79.66
5.85G	6.01G	1M	PK	5.85576G	-45.79	-27.00	-18.79	28.00	0.00	-73.79	-77.12	-76.50
6.01G	8G	1M	PK	6.04781G	-47.64	-27.00	-20.64	28.00	0.00	-75.64	-78.12	-79.25

802.11ax HEW80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz

CSE-AV

19/08/2020



Limit.AV
EIRP.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)
1G	5.31G	1M	AV	2.46055G	-48.85	-41.20	-7.65	28.00	0.00	-76.85	-95.48	-76.91
5.31G	5.47G	1M	AV	5.37592G	-54.23	-41.20	-13.03	28.00	0.00	-82.23	-85.12	-85.36
6.01G	8G	1M	AV	7.26594G	-64.27	-41.20	-23.07	28.00	0.00	-92.27	-95.64	-94.94

**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	5.11G	5.15G	AV	5.13032G	2.00	-56.53	-55.36	-52.90	-50.90	-41.20	-9.70
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	5.11G	5.15G	AV	5.13296G	2.00	-55.66	-55.71	-52.67	-50.67	-41.20	-9.47
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	5.07G	5.15G	AV	5.1324G	2.00	-56.79	-56.37	-53.56	-51.56	-41.20	-10.36
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	5.35G	5.51G	AV	5.37336G	2.00	-53.44	-51.38	-49.28	-47.28	-41.20	-6.08
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	1G	5.43G	AV	5.38182G	2.00	-57.02	-55.70	-53.30	-51.30	-41.20	-10.10
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	1G	5.43G	AV	5.37629G	2.00	-57.09	-55.40	-53.15	-51.15	-41.20	-9.95
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	1G	5.39G	AV	5.35762G	2.00	-57.86	-54.31	-52.72	-50.72	-41.20	-9.52
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	5.31G	5.47G	AV	5.40184G	2.00	-54.02	-52.88	-50.40	-48.40	-41.20	-7.20

DG = Directional Gain;

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



CSE TX above 1GHz (1GHz ~ 8GHz) Result_An.3

Appendix D.2

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	5.11G	AV	5.06428G	2.00	-57.94	-57.72	-54.82	-52.82	-41.20	-11.62
5260MHz	Pass	5.11G	5.15G	AV	5.14136G	2.00	-58.08	-56.78	-54.37	-52.37	-41.20	-11.17
5260MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-58.31	-58.05	-55.17	-53.17	-41.20	-11.97
5260MHz	Pass	5.35G	5.39G	AV	5.3844G	2.00	-58.01	-58.85	-55.40	-53.40	-41.20	-12.20
5260MHz	Pass	5.39G	8G	AV	5.40697G	2.00	-58.49	-59.57	-55.99	-53.99	-41.20	-12.79
5260MHz	Pass	1G	5.11G	PK	5.0725G	2.00	-53.99	-50.75	-49.06	-47.06	-21.20	-25.86
5260MHz	Pass	5.11G	5.15G	PK	5.14024G	2.00	-52.79	-42.68	-42.28	-40.28	-21.20	-19.08
5260MHz	Pass	5.15G	5.35G	PK	5.15G	2.00	-50.88	-51.22	-48.04	-46.04	-21.20	-24.84
5260MHz	Pass	5.35G	5.39G	PK	5.3808G	2.00	-53.42	-45.59	-44.93	-42.93	-21.20	-21.73
5260MHz	Pass	5.39G	8G	PK	5.82685G	2.00	-56.43	-58.98	-54.51	-52.51	-27.00	-25.51
5300MHz	Pass	1G	5.11G	AV	5.10743G	2.00	-57.60	-56.33	-53.91	-51.91	-41.20	-10.71
5300MHz	Pass	5.11G	5.15G	AV	5.11024G	2.00	-56.05	-56.23	-53.13	-51.13	-41.20	-9.93
5300MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-58.21	-57.63	-54.90	-52.90	-41.20	-11.70
5300MHz	Pass	5.35G	5.39G	AV	5.38816G	2.00	-57.22	-58.06	-54.61	-52.61	-41.20	-11.41
5300MHz	Pass	5.39G	8G	AV	5.39359G	2.00	-58.89	-57.65	-55.22	-53.22	-41.20	-12.02
5300MHz	Pass	1G	5.11G	PK	5.1064G	2.00	-53.77	-48.86	-47.64	-45.64	-21.20	-24.44
5300MHz	Pass	5.11G	5.15G	PK	5.11392G	2.00	-48.99	-48.24	-45.59	-43.59	-21.20	-22.39
5300MHz	Pass	5.15G	5.35G	PK	5.15G	2.00	-51.62	-50.30	-47.90	-45.90	-21.20	-24.70
5300MHz	Pass	5.35G	5.39G	PK	5.39G	2.00	-51.35	-52.03	-48.67	-46.67	-21.20	-25.47
5300MHz	Pass	5.39G	8G	PK	5.47287G	2.00	-55.99	-58.62	-54.10	-52.10	-27.00	-25.10
5320MHz	Pass	1G	5.11G	AV	2.43593G	2.00	-56.30	-63.05	-55.47	-53.47	-41.20	-12.27
5320MHz	Pass	5.11G	5.15G	AV	5.13032G	2.00	-56.53	-55.36	-52.90	-50.90	-41.20	-9.70
5320MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-57.79	-57.18	-54.46	-52.46	-41.20	-11.26
5320MHz	Pass	5.35G	5.39G	AV	5.38624G	2.00	-57.72	-58.46	-55.06	-53.06	-41.20	-11.86
5320MHz	Pass	5.39G	8G	AV	5.40664G	2.00	-58.75	-58.57	-55.65	-53.65	-41.20	-12.45
5320MHz	Pass	1G	5.11G	PK	5.10897G	2.00	-51.68	-55.57	-50.19	-48.19	-21.20	-26.99
5320MHz	Pass	5.11G	5.15G	PK	5.1304G	2.00	-49.65	-47.25	-45.28	-43.28	-21.20	-22.08
5320MHz	Pass	5.15G	5.35G	PK	5.15G	2.00	-52.82	-52.28	-49.53	-47.53	-21.20	-26.33
5320MHz	Pass	5.35G	5.39G	PK	5.37768G	2.00	-52.32	-50.62	-48.38	-46.38	-21.20	-25.18
5320MHz	Pass	5.39G	8G	PK	5.61055G	2.00	-56.92	-57.21	-54.05	-52.05	-27.00	-25.05
5500MHz	Pass	1G	5.43G	AV	5.37629G	2.00	-59.35	-56.86	-54.92	-52.92	-41.20	-11.72
5500MHz	Pass	5.43G	5.47G	AV	5.43632G	2.00	-59.17	-59.17	-56.16	-54.16	-41.20	-12.96
5500MHz	Pass	5.765G	8G	AV	7.37029G	2.00	-62.67	-61.58	-59.08	-57.08	-41.20	-15.88
5500MHz	Pass	1G	5.43G	PK	5.31039G	2.00	-49.94	-46.88	-45.14	-43.14	-27.00	-16.14
5500MHz	Pass	5.43G	5.47G	PK	5.46264G	2.00	-58.47	-59.15	-55.79	-53.79	-27.00	-26.79
5500MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-59.89	-58.26	-55.99	-53.99	-27.00	-26.99
5500MHz	Pass	5.725G	5.765G	PK	5.7638G	2.00	-56.89	-53.33	-51.74	-49.74	-27.00	-22.74
5500MHz	Pass	5.765G	8G	PK	6.00191G	2.00	-57.26	-52.51	-51.26	-49.26	-27.00	-22.26
5580MHz	Pass	1G	5.43G	AV	5.38182G	2.00	-57.02	-55.70	-53.30	-51.30	-41.20	-10.10
5580MHz	Pass	5.43G	5.47G	AV	5.44864G	2.00	-59.00	-59.47	-56.22	-54.22	-41.20	-13.02
5580MHz	Pass	5.765G	8G	AV	7.39152G	2.00	-62.44	-62.16	-59.29	-57.29	-41.20	-16.09
5580MHz	Pass	1G	5.43G	PK	5.31261G	2.00	-54.57	-50.83	-49.30	-47.30	-27.00	-20.30
5580MHz	Pass	5.43G	5.47G	PK	5.4672G	2.00	-60.17	-58.35	-56.16	-54.16	-27.00	-27.16
5580MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-59.89	-58.04	-55.86	-53.86	-27.00	-26.86
5580MHz	Pass	5.725G	5.765G	PK	5.765G	2.00	-55.34	-52.12	-50.43	-48.43	-27.00	-21.43
5580MHz	Pass	5.765G	8G	PK	5.77031G	2.00	-55.96	-51.99	-50.53	-48.53	-27.00	-21.53
5700MHz	Pass	1G	5.43G	AV	5.37629G	2.00	-57.12	-57.37	-54.23	-52.23	-41.20	-11.03
5700MHz	Pass	5.43G	5.47G	AV	5.43064G	2.00	-58.58	-59.38	-55.95	-53.95	-41.20	-12.75
5700MHz	Pass	5.765G	8G	AV	7.40633G	2.00	-62.06	-62.54	-59.28	-57.28	-41.20	-16.08
5700MHz	Pass	1G	5.43G	PK	5.27606G	2.00	-52.56	-52.50	-49.52	-47.52	-27.00	-20.52
5700MHz	Pass	5.43G	5.47G	PK	5.46424G	2.00	-59.04	-59.00	-56.01	-54.01	-27.00	-27.01



CSE TX above 1GHz (1GHz ~ 8GHz) Result_An.3

Appendix D.2

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)
5700MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-60.26	-60.50	-57.37	-55.37	-27.00	-28.37
5700MHz	Pass	5.725G	5.765G	PK	5.76436G	2.00	-54.41	-53.35	-50.84	-48.84	-27.00	-21.84
5700MHz	Pass	5.765G	8G	PK	5.79685G	2.00	-54.85	-50.60	-49.21	-47.21	-27.00	-20.21
5720MHz Straddle 5.47-5.725GHz	Pass	1G	5.43G	AV	5.37186G	2.00	-55.97	-58.62	-54.09	-52.09	-41.20	-10.89
5720MHz Straddle 5.47-5.725GHz	Pass	5.43G	5.47G	AV	5.4328G	2.00	-58.79	-59.37	-56.06	-54.06	-41.20	-12.86
5720MHz Straddle 5.47-5.725GHz	Pass	5.89G	8G	AV	7.38836G	2.00	-61.48	-62.91	-59.13	-57.13	-41.20	-15.93
5720MHz Straddle 5.47-5.725GHz	Pass	1G	5.43G	PK	5.31925G	2.00	-50.83	-52.73	-48.67	-46.67	-27.00	-19.67
5720MHz Straddle 5.47-5.725GHz	Pass	5.43G	5.47G	PK	5.46504G	2.00	-59.46	-58.94	-56.18	-54.18	-27.00	-27.18
5720MHz Straddle 5.47-5.725GHz	Pass	5.47G	5.85G	PK	5.85G	2.00	-54.30	-52.99	-50.59	-48.59	-27.00	-21.59
5720MHz Straddle 5.47-5.725GHz	Pass	5.85G	5.89G	PK	5.86072G	2.00	-53.03	-50.76	-48.74	-46.74	-27.00	-19.74
5720MHz Straddle 5.47-5.725GHz	Pass	5.89G	8G	PK	5.91057G	2.00	-52.39	-51.98	-49.17	-47.17	-27.00	-20.17
802.11ax HEW20_Nss1_(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	1G	5.11G	AV	5.07352G	2.00	-58.30	-56.59	-54.35	-52.35	-41.20	-11.15
5260MHz	Pass	5.11G	5.15G	AV	5.1452G	2.00	-57.81	-55.60	-53.56	-51.56	-41.20	-10.36
5260MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-58.19	-56.70	-54.37	-52.37	-41.20	-11.17
5260MHz	Pass	5.35G	5.39G	AV	5.376G	2.00	-58.51	-56.92	-54.63	-52.63	-41.20	-11.43
5260MHz	Pass	5.39G	8G	AV	5.40175G	2.00	-58.96	-58.42	-55.67	-53.67	-41.20	-12.47
5260MHz	Pass	1G	5.11G	PK	5.07609G	2.00	-52.46	-52.53	-49.48	-47.48	-21.20	-26.28
5260MHz	Pass	5.11G	5.15G	PK	5.13912G	2.00	-51.06	-42.51	-41.94	-39.94	-21.20	-18.74
5260MHz	Pass	5.15G	5.35G	PK	5.15G	2.00	-51.79	-51.42	-48.59	-46.59	-21.20	-25.39
5260MHz	Pass	5.35G	5.39G	PK	5.3808G	2.00	-54.03	-41.76	-41.51	-39.51	-21.20	-18.31
5260MHz	Pass	5.39G	8G	PK	5.47417G	2.00	-57.45	-56.63	-54.01	-52.01	-27.00	-25.01
5300MHz	Pass	1G	5.11G	AV	5.10692G	2.00	-57.39	-56.84	-54.10	-52.10	-41.20	-10.90
5300MHz	Pass	5.11G	5.15G	AV	5.1124G	2.00	-56.85	-55.92	-53.35	-51.35	-41.20	-10.15
5300MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-58.89	-58.35	-55.60	-53.60	-41.20	-12.40
5300MHz	Pass	5.35G	5.39G	AV	5.38912G	2.00	-57.69	-58.07	-54.87	-52.87	-41.20	-11.67
5300MHz	Pass	5.39G	8G	AV	5.39392G	2.00	-58.22	-58.71	-55.45	-53.45	-41.20	-12.25
5300MHz	Pass	1G	5.11G	PK	5.10538G	2.00	-50.69	-49.76	-47.19	-45.19	-21.20	-23.99
5300MHz	Pass	5.11G	5.15G	PK	5.11408G	2.00	-49.15	-47.21	-45.06	-43.06	-21.20	-21.86
5300MHz	Pass	5.15G	5.35G	PK	5.15G	2.00	-50.91	-51.46	-48.17	-46.17	-21.20	-24.97
5300MHz	Pass	5.35G	5.39G	PK	5.38888G	2.00	-50.82	-51.99	-48.36	-46.36	-21.20	-25.16
5300MHz	Pass	5.39G	8G	PK	5.61707G	2.00	-61.51	-55.13	-54.23	-52.23	-27.00	-25.23
5320MHz	Pass	1G	5.11G	AV	2.4349G	2.00	-56.14	-59.52	-54.50	-52.50	-41.20	-11.30
5320MHz	Pass	5.11G	5.15G	AV	5.13296G	2.00	-55.66	-55.71	-52.67	-50.67	-41.20	-9.47
5320MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-58.33	-57.90	-55.10	-53.10	-41.20	-11.90
5320MHz	Pass	5.35G	5.39G	AV	5.38016G	2.00	-57.29	-58.53	-54.86	-52.86	-41.20	-11.66
5320MHz	Pass	5.39G	8G	AV	5.41414G	2.00	-58.77	-58.30	-55.52	-53.52	-41.20	-12.32
5320MHz	Pass	1G	5.11G	PK	5.09562G	2.00	-54.19	-53.72	-50.94	-48.94	-21.20	-27.74
5320MHz	Pass	5.11G	5.15G	PK	5.1308G	2.00	-48.97	-46.38	-44.47	-42.47	-21.20	-21.27
5320MHz	Pass	5.15G	5.35G	PK	5.15G	2.00	-51.41	-50.97	-48.17	-46.17	-21.20	-24.97
5320MHz	Pass	5.35G	5.39G	PK	5.38776G	2.00	-51.37	-51.17	-48.26	-46.26	-21.20	-25.06
5320MHz	Pass	5.39G	8G	PK	5.46928G	2.00	-57.37	-57.26	-54.30	-52.30	-27.00	-25.30
5500MHz	Pass	1G	5.43G	AV	5.37629G	2.00	-57.09	-55.40	-53.15	-51.15	-41.20	-9.95
5500MHz	Pass	5.43G	5.47G	AV	5.43304G	2.00	-59.66	-58.69	-56.14	-54.14	-41.20	-12.94
5500MHz	Pass	5.765G	8G	AV	7.67229G	2.00	-64.14	-61.18	-59.40	-57.40	-41.20	-16.20
5500MHz	Pass	1G	5.43G	PK	5.30153G	2.00	-52.01	-43.70	-43.10	-41.10	-27.00	-14.10
5500MHz	Pass	5.43G	5.47G	PK	5.46704G	2.00	-58.52	-58.99	-55.74	-53.74	-27.00	-26.74
5500MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-58.92	-59.93	-56.39	-54.39	-27.00	-27.39
5500MHz	Pass	5.725G	5.765G	PK	5.76004G	2.00	-57.32	-51.62	-50.58	-48.58	-27.00	-21.58
5500MHz	Pass	5.765G	8G	PK	5.79713G	2.00	-58.64	-50.38	-49.78	-47.78	-27.00	-20.78
5580MHz	Pass	1G	5.43G	AV	5.39068G	2.00	-57.88	-55.07	-53.24	-51.24	-41.20	-10.04
5580MHz	Pass	5.43G	5.47G	AV	5.45408G	2.00	-58.62	-59.67	-56.10	-54.10	-41.20	-12.90
5580MHz	Pass	5.765G	8G	AV	7.37755G	2.00	-62.53	-62.24	-59.37	-57.37	-41.20	-16.17



CSE TX above 1GHz (1GHz ~ 8GHz) Result_An.3

Appendix D.2

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)
5580MHz	Pass	1G	5.43G	PK	5.29378G	2.00	-54.40	-49.85	-48.54	-46.54	-27.00	-19.54
5580MHz	Pass	5.43G	5.47G	PK	5.466G	2.00	-58.56	-60.57	-56.44	-54.44	-27.00	-27.44
5580MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-58.89	-60.06	-56.43	-54.43	-27.00	-27.43
5580MHz	Pass	5.725G	5.765G	PK	5.76268G	2.00	-56.03	-52.46	-50.88	-48.88	-27.00	-21.88
5580MHz	Pass	5.765G	8G	PK	5.84714G	2.00	-55.13	-51.73	-50.10	-48.10	-27.00	-21.10
5700MHz	Pass	1G	5.43G	AV	5.36687G	2.00	-57.85	-57.55	-54.69	-52.69	-41.20	-11.49
5700MHz	Pass	5.43G	5.47G	AV	5.43064G	2.00	-59.14	-58.86	-55.99	-53.99	-41.20	-12.79
5700MHz	Pass	5.765G	8G	AV	7.39068G	2.00	-62.01	-62.35	-59.17	-57.17	-41.20	-15.97
5700MHz	Pass	1G	5.43G	PK	5.27717G	2.00	-52.06	-52.49	-49.26	-47.26	-27.00	-20.26
5700MHz	Pass	5.43G	5.47G	PK	5.46088G	2.00	-59.23	-58.98	-56.09	-54.09	-27.00	-27.09
5700MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-59.45	-58.64	-56.02	-54.02	-27.00	-27.02
5700MHz	Pass	5.725G	5.765G	PK	5.7642G	2.00	-54.05	-53.66	-50.84	-48.84	-27.00	-21.84
5700MHz	Pass	5.765G	8G	PK	5.82199G	2.00	-54.86	-47.35	-46.64	-44.64	-27.00	-17.64
5720MHz Straddle 5.47-5.725GHz	Pass	1G	5.43G	AV	5.35248G	2.00	-57.47	-58.65	-55.01	-53.01	-41.20	-11.81
5720MHz Straddle 5.47-5.725GHz	Pass	5.43G	5.47G	AV	5.45696G	2.00	-59.37	-59.00	-56.17	-54.17	-41.20	-12.97
5720MHz Straddle 5.47-5.725GHz	Pass	5.89G	8G	AV	7.39812G	2.00	-62.67	-61.48	-59.02	-57.02	-41.20	-15.82
5720MHz Straddle 5.47-5.725GHz	Pass	1G	5.43G	PK	5.30485G	2.00	-51.14	-52.87	-48.91	-46.91	-27.00	-19.91
5720MHz Straddle 5.47-5.725GHz	Pass	5.43G	5.47G	PK	5.46528G	2.00	-58.11	-60.26	-56.04	-54.04	-27.00	-27.04
5720MHz Straddle 5.47-5.725GHz	Pass	5.47G	5.85G	PK	5.85G	2.00	-54.26	-52.89	-50.51	-48.51	-27.00	-21.51
5720MHz Straddle 5.47-5.725GHz	Pass	5.85G	5.89G	PK	5.86G	2.00	-54.21	-50.57	-49.01	-47.01	-27.00	-20.01
5720MHz Straddle 5.47-5.725GHz	Pass	5.89G	8G	PK	5.91268G	2.00	-52.11	-53.23	-49.62	-47.62	-27.00	-20.62
802.11ax HEW40_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5720MHz	Pass	1G	5.07G	AV	5.06898G	2.00	-57.87	-58.88	-55.34	-53.34	-41.20	-12.14
5720MHz	Pass	5.07G	5.15G	AV	5.1324G	2.00	-56.79	-56.37	-53.56	-51.56	-41.20	-10.36
5720MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-57.96	-56.97	-54.43	-52.43	-41.20	-11.23
5720MHz	Pass	5.35G	5.43G	AV	5.37832G	2.00	-57.84	-57.06	-54.42	-52.42	-41.20	-11.22
5720MHz	Pass	5.43G	8G	AV	5.43G	2.00	-58.23	-59.94	-55.99	-53.99	-41.20	-12.79
5720MHz	Pass	1G	5.07G	PK	5.0639G	2.00	-52.38	-53.20	-49.76	-47.76	-21.20	-26.56
5720MHz	Pass	5.07G	5.15G	PK	5.14952G	2.00	-51.08	-34.59	-34.49	-32.49	-21.20	-11.29
5720MHz	Pass	5.15G	5.35G	PK	5.15G	2.00	-50.55	-49.45	-46.95	-44.95	-21.20	-23.75
5720MHz	Pass	5.35G	5.43G	PK	5.39064G	2.00	-52.31	-38.21	-38.04	-36.04	-21.20	-14.84
5720MHz	Pass	5.43G	8G	PK	5.82482G	2.00	-55.95	-59.94	-54.49	-52.49	-27.00	-25.49
5310MHz	Pass	1G	5.07G	AV	5.05779G	2.00	-59.26	-58.57	-55.89	-53.89	-41.20	-12.69
5310MHz	Pass	5.07G	5.15G	AV	5.13336G	2.00	-57.03	-56.35	-53.67	-51.67	-41.20	-10.47
5310MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-57.33	-57.04	-54.17	-52.17	-41.20	-10.97
5310MHz	Pass	5.35G	5.43G	AV	5.37352G	2.00	-56.82	-57.16	-53.98	-51.98	-41.20	-10.78
5310MHz	Pass	5.43G	8G	AV	5.43353G	2.00	-58.84	-59.51	-56.15	-54.15	-41.20	-12.95
5310MHz	Pass	1G	5.07G	PK	5.0527G	2.00	-53.20	-58.39	-52.05	-50.05	-21.20	-28.85
5310MHz	Pass	5.07G	5.15G	PK	5.14312G	2.00	-51.31	-47.74	-46.16	-44.16	-21.20	-22.96
5310MHz	Pass	5.15G	5.35G	PK	5.15G	2.00	-51.13	-48.93	-46.88	-44.88	-21.20	-23.68
5310MHz	Pass	5.35G	5.43G	PK	5.37032G	2.00	-49.91	-47.39	-45.46	-43.46	-21.20	-22.26
5310MHz	Pass	5.43G	8G	PK	5.81325G	2.00	-57.64	-56.74	-54.16	-52.16	-27.00	-25.16
5510MHz	Pass	1G	5.39G	AV	5.37189G	2.00	-58.43	-55.81	-53.92	-51.92	-41.20	-10.72
5510MHz	Pass	5.39G	5.47G	AV	5.39624G	2.00	-57.75	-56.15	-53.87	-51.87	-41.20	-10.67
5510MHz	Pass	5.805G	8G	AV	7.36263G	2.00	-61.99	-62.30	-59.13	-57.13	-41.20	-15.93
5510MHz	Pass	1G	5.39G	PK	5.30549G	2.00	-51.51	-47.40	-45.98	-43.98	-27.00	-16.98
5510MHz	Pass	5.39G	5.47G	PK	5.3908G	2.00	-52.29	-34.97	-34.89	-32.89	-21.20	-11.69
5510MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-59.79	-59.59	-56.68	-54.68	-27.00	-27.68
5510MHz	Pass	5.725G	5.805G	PK	5.80484G	2.00	-55.08	-50.95	-49.53	-47.53	-27.00	-20.53
5510MHz	Pass	5.805G	8G	PK	5.80527G	2.00	-57.38	-52.24	-51.08	-49.08	-27.00	-22.08
5550MHz	Pass	1G	5.39G	AV	5.35762G	2.00	-57.86	-54.31	-52.72	-50.72	-41.20	-9.52
5550MHz	Pass	5.39G	5.47G	AV	5.402G	2.00	-57.85	-55.25	-53.35	-51.35	-41.20	-10.15
5550MHz	Pass	5.805G	8G	AV	7.38814G	2.00	-62.18	-62.94	-59.53	-57.53	-41.20	-16.33



CSE TX above 1GHz (1GHz ~ 8GHz) Result_An.3

Appendix D.2

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)
5550MHz	Pass	1G	5.39G	PK	5.3461G	2.00	-55.97	-46.22	-45.78	-43.78	-27.00	-16.78
5550MHz	Pass	5.39G	5.47G	PK	5.42872G	2.00	-57.31	-40.67	-40.58	-38.58	-21.20	-17.38
5550MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-59.82	-60.28	-57.03	-55.03	-27.00	-28.03
5550MHz	Pass	5.725G	5.805G	PK	5.79796G	2.00	-56.52	-49.28	-48.53	-46.53	-27.00	-19.53
5550MHz	Pass	5.805G	8G	PK	5.8264G	2.00	-55.56	-50.76	-49.52	-47.52	-27.00	-20.52
5670MHz	Pass	1G	5.39G	AV	5.37628G	2.00	-58.18	-57.47	-54.80	-52.80	-41.20	-11.60
5670MHz	Pass	5.39G	5.47G	AV	5.39272G	2.00	-57.39	-57.34	-54.35	-52.35	-41.20	-11.15
5670MHz	Pass	5.805G	8G	AV	7.39253G	2.00	-62.71	-62.22	-59.45	-57.45	-41.20	-16.25
5670MHz	Pass	1G	5.39G	PK	5.29507G	2.00	-52.11	-51.79	-48.94	-46.94	-27.00	-19.94
5670MHz	Pass	5.39G	5.47G	PK	5.39G	2.00	-51.05	-50.61	-47.81	-45.81	-21.20	-24.61
5670MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-59.83	-59.18	-56.48	-54.48	-27.00	-27.48
5670MHz	Pass	5.725G	5.805G	PK	5.79012G	2.00	-53.48	-39.12	-38.96	-36.96	-27.00	-9.96
5670MHz	Pass	5.805G	8G	PK	5.85631G	2.00	-53.78	-51.86	-49.70	-47.70	-27.00	-20.70
5710MHz Straddle 5.47-5.725GHz	Pass	1G	5.39G	AV	5.35708G	2.00	-58.34	-57.40	-54.83	-52.83	-41.20	-11.63
5710MHz Straddle 5.47-5.725GHz	Pass	5.39G	5.47G	AV	5.41496G	2.00	-56.74	-58.07	-54.34	-52.34	-41.20	-11.14
5710MHz Straddle 5.47-5.725GHz	Pass	5.93G	8G	AV	7.41341G	2.00	-61.99	-62.47	-59.21	-57.21	-41.20	-16.01
5710MHz Straddle 5.47-5.725GHz	Pass	1G	5.39G	PK	5.25281G	2.00	-52.42	-51.31	-48.82	-46.82	-27.00	-19.82
5710MHz Straddle 5.47-5.725GHz	Pass	5.39G	5.47G	PK	5.39944G	2.00	-48.91	-53.05	-47.49	-45.49	-21.20	-24.29
5710MHz Straddle 5.47-5.725GHz	Pass	5.47G	5.85G	PK	5.85G	2.00	-53.89	-51.80	-49.71	-47.71	-27.00	-20.71
5710MHz Straddle 5.47-5.725GHz	Pass	5.85G	5.93G	PK	5.86456G	2.00	-53.24	-50.26	-48.49	-46.49	-27.00	-19.49
5710MHz Straddle 5.47-5.725GHz	Pass	5.93G	8G	PK	5.95225G	2.00	-54.40	-53.34	-50.83	-48.83	-27.00	-21.83
802.11ax HEW80_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	1G	4.99G	AV	2.4349G	2.00	-62.82	-53.51	-53.03	-51.03	-41.20	-9.83
5290MHz	Pass	4.99G	5.15G	AV	5.14744G	2.00	-56.50	-55.80	-53.13	-51.13	-41.20	-9.93
5290MHz	Pass	5.15G	5.35G	AV	5.15G	2.00	-57.05	-55.85	-53.40	-51.40	-41.20	-10.20
5290MHz	Pass	5.35G	5.51G	AV	5.37336G	2.00	-53.44	-51.38	-49.28	-47.28	-41.20	-6.08
5290MHz	Pass	5.51G	8G	AV	7.39244G	2.00	-62.68	-62.31	-59.48	-57.48	-41.20	-16.28
5290MHz	Pass	1G	4.99G	PK	4.46482G	2.00	-58.70	-61.63	-56.91	-54.91	-27.00	-27.91
5290MHz	Pass	4.99G	5.15G	PK	5.14424G	2.00	-50.19	-46.00	-44.60	-42.60	-21.20	-21.40
5290MHz	Pass	5.15G	5.35G	PK	5.15G	2.00	-48.29	-48.55	-45.41	-43.41	-21.20	-22.21
5290MHz	Pass	5.35G	5.51G	PK	5.40984G	2.00	-49.83	-38.02	-37.74	-35.74	-21.20	-14.54
5290MHz	Pass	5.51G	8G	PK	5.87603G	2.00	-60.30	-55.41	-54.19	-52.19	-27.00	-25.19
5530MHz	Pass	1G	5.31G	AV	5.10743G	2.00	-59.24	-57.58	-55.32	-53.32	-41.20	-12.12
5530MHz	Pass	5.31G	5.47G	AV	5.40184G	2.00	-54.02	-52.88	-50.40	-48.40	-41.20	-7.20
5530MHz	Pass	5.885G	8G	AV	7.4041G	2.00	-62.94	-61.99	-59.43	-57.43	-41.20	-16.23
5530MHz	Pass	1G	5.31G	PK	5.30785G	2.00	-50.93	-47.76	-46.05	-44.05	-27.00	-17.05
5530MHz	Pass	5.31G	5.47G	PK	5.4108G	2.00	-45.56	-31.02	-30.87	-28.87	-21.20	-7.67
5530MHz	Pass	5.47G	5.725G	PK	5.725G	2.00	-60.56	-60.07	-57.30	-55.30	-27.00	-28.30
5530MHz	Pass	5.725G	5.885G	PK	5.77844G	2.00	-54.00	-49.31	-48.04	-46.04	-27.00	-19.04
5530MHz	Pass	5.885G	8G	PK	5.93999G	2.00	-56.35	-51.29	-50.11	-48.11	-27.00	-21.11
5690MHz Straddle 5.47-5.725GHz	Pass	1G	5.31G	AV	5.13006G	2.00	-58.55	-58.51	-55.52	-53.52	-41.20	-12.32
5690MHz Straddle 5.47-5.725GHz	Pass	5.31G	5.47G	AV	5.37592G	2.00	-57.30	-56.06	-53.63	-51.63	-41.20	-10.43
5690MHz Straddle 5.47-5.725GHz	Pass	6.01G	8G	AV	7.35698G	2.00	-62.03	-62.31	-59.16	-57.16	-41.20	-15.96
5690MHz Straddle 5.47-5.725GHz	Pass	1G	5.31G	PK	5.28845G	2.00	-50.63	-51.85	-48.19	-46.19	-27.00	-19.19
5690MHz Straddle 5.47-5.725GHz	Pass	5.31G	5.47G	PK	5.33016G	2.00	-51.33	-49.28	-47.17	-45.17	-27.00	-18.17
5690MHz Straddle 5.47-5.725GHz	Pass	5.47G	5.85G	PK	5.85G	2.00	-49.25	-50.76	-46.93	-44.93	-27.00	-17.93
5690MHz Straddle 5.47-5.725GHz	Pass	5.85G	6.01G	PK	5.87016G	2.00	-48.54	-51.33	-46.70	-44.70	-27.00	-17.70
5690MHz Straddle 5.47-5.725GHz	Pass	6.01G	8G	PK	6.09507G	2.00	-55.17	-53.86	-51.46	-49.46	-27.00	-22.46

DG = Directional Gain;

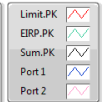
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802.11a_Nss1,(6Mbps)_2TX

5260MHz

CSE-PK

17/08/2020



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

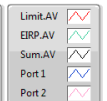
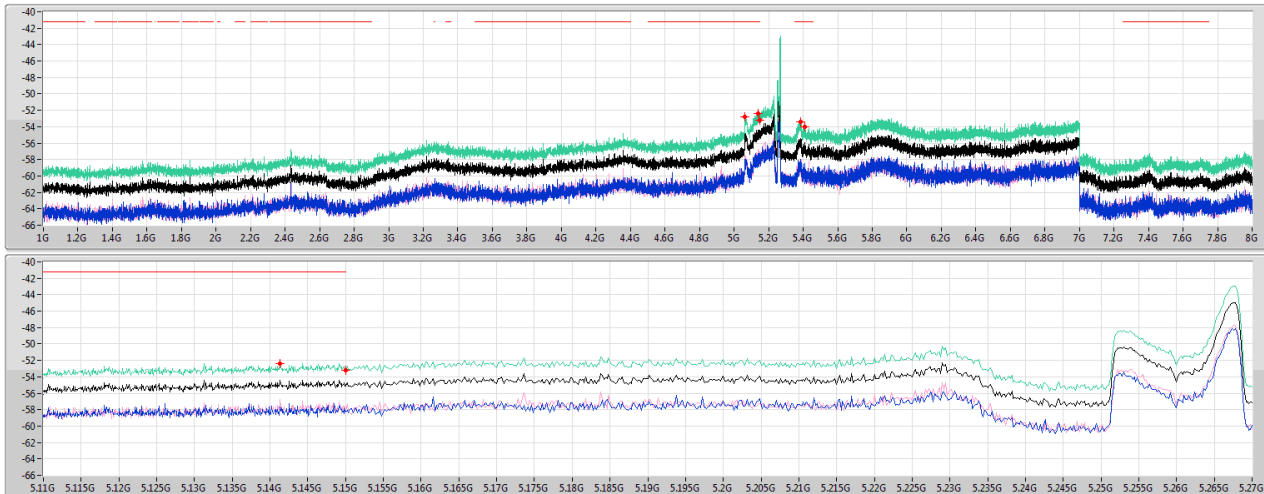
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1G	5.11G	1M	PK	5.0725G	-47.06	-21.20	-25.86	2.00	0.00	-49.06	-53.99	-50.75
5.11G	5.15G	1M	PK	5.14024G	-40.28	-21.20	-19.08	2.00	0.00	-42.28	-52.79	-42.68
5.15G	5.35G	1M	PK	5.15G	-46.04	-21.20	-24.84	2.00	0.00	-48.04	-50.88	-51.22
5.35G	5.39G	1M	PK	5.3808G	-42.93	-21.20	-21.73	2.00	0.00	-44.93	-53.42	-45.59
5.39G	8G	1M	PK	5.82685G	-52.51	-27.00	-25.51	2.00	0.00	-54.51	-56.43	-58.98

802.11a_Nss1,(6Mbps)_2TX

5260MHz

CSE-AV

17/08/2020



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)
1G	5.11G	1M	AV	5.06428G	-52.82	-41.20	-11.62	2.00	0.00	-54.82	-57.94	-57.72
5.11G	5.15G	1M	AV	5.14136G	-52.37	-41.20	-11.17	2.00	0.00	-54.37	-58.08	-56.78
5.15G	5.35G	1M	AV	5.15G	-53.17	-41.20	-11.97	2.00	0.00	-55.17	-58.31	-58.05
5.35G	5.39G	1M	AV	5.3844G	-53.40	-41.20	-12.20	2.00	0.00	-55.40	-58.01	-58.85
5.39G	8G	1M	AV	5.40697G	-53.99	-41.20	-12.79	2.00	0.00	-55.99	-58.49	-59.57

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-PK

17/08/2020



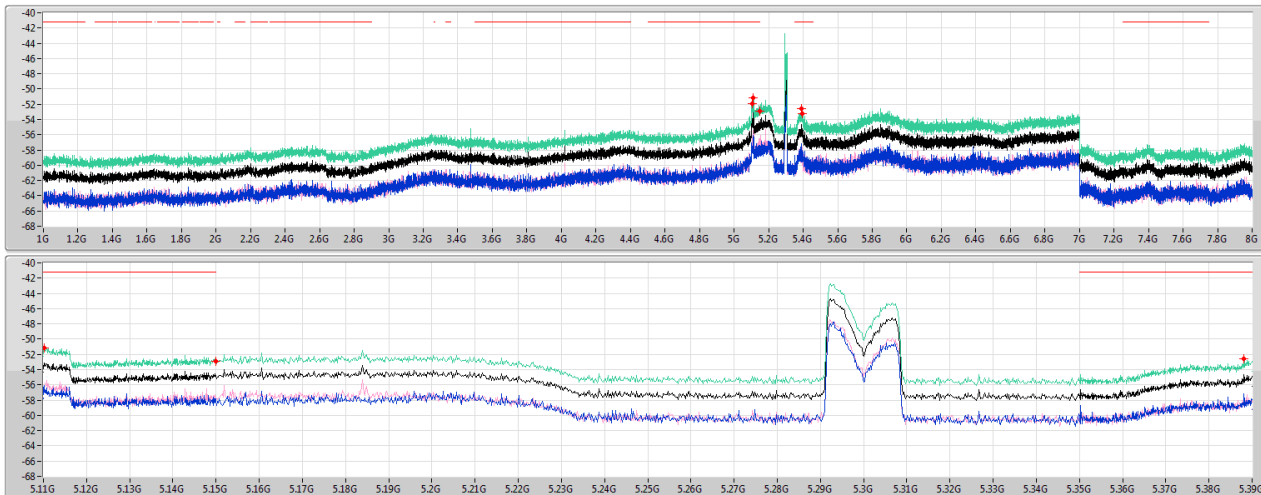
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1G	5.11G	1M	PK	5.1064G	-45.64	-21.20	-24.44	2.00	0.00	-47.64	-53.77	-48.86
5.11G	5.15G	1M	PK	5.11392G	-43.59	-21.20	-22.39	2.00	0.00	-45.59	-48.99	-48.24
5.15G	5.35G	1M	PK	5.15G	-45.90	-21.20	-24.70	2.00	0.00	-47.90	-51.62	-50.30
5.35G	5.39G	1M	PK	5.39G	-46.67	-21.20	-25.47	2.00	0.00	-48.67	-51.35	-52.03
5.39G	8G	1M	PK	5.47287G	-52.10	-27.00	-25.10	2.00	0.00	-54.10	-55.99	-58.62

802.11a_Nss1,(6Mbps)_2TX

5300MHz

CSE-AV

17/08/2020



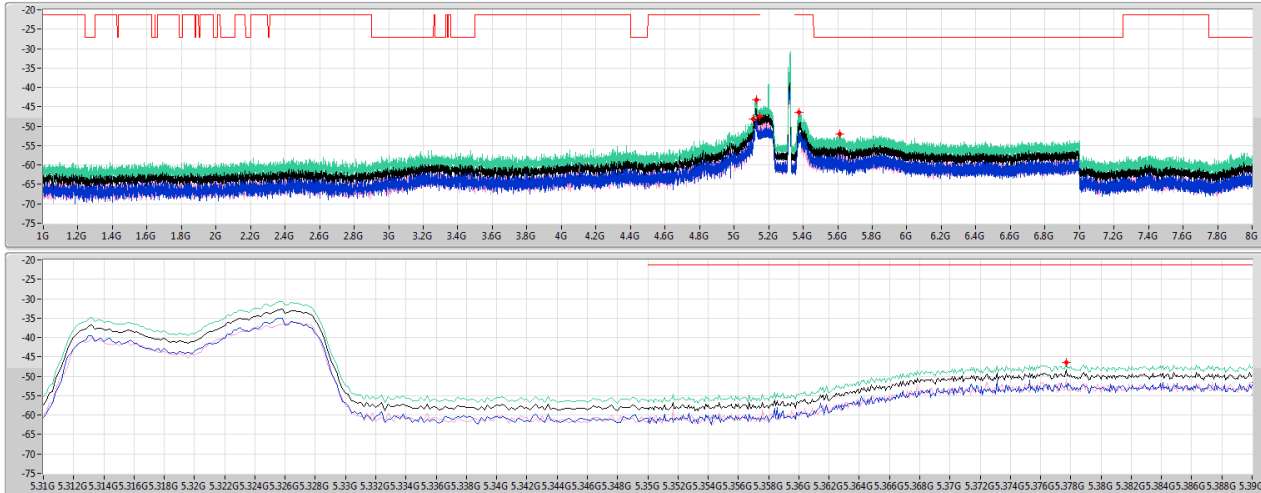
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1G	5.11G	1M	AV	5.10743G	-51.91	-41.20	-10.71	2.00	0.00	-53.91	-57.60	-56.33
5.11G	5.15G	1M	AV	5.11024G	-51.13	-41.20	-9.93	2.00	0.00	-53.13	-56.05	-56.23
5.15G	5.35G	1M	AV	5.15G	-52.90	-41.20	-11.70	2.00	0.00	-54.90	-58.21	-57.63
5.35G	5.39G	1M	AV	5.38816G	-52.61	-41.20	-11.41	2.00	0.00	-54.61	-57.22	-58.06
5.39G	8G	1M	AV	5.39359G	-53.22	-41.20	-12.02	2.00	0.00	-55.22	-58.89	-57.65

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-PK

17/08/2020



Limit.PK
ERP.PK
Sum.PK
Port 1
Port 2

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

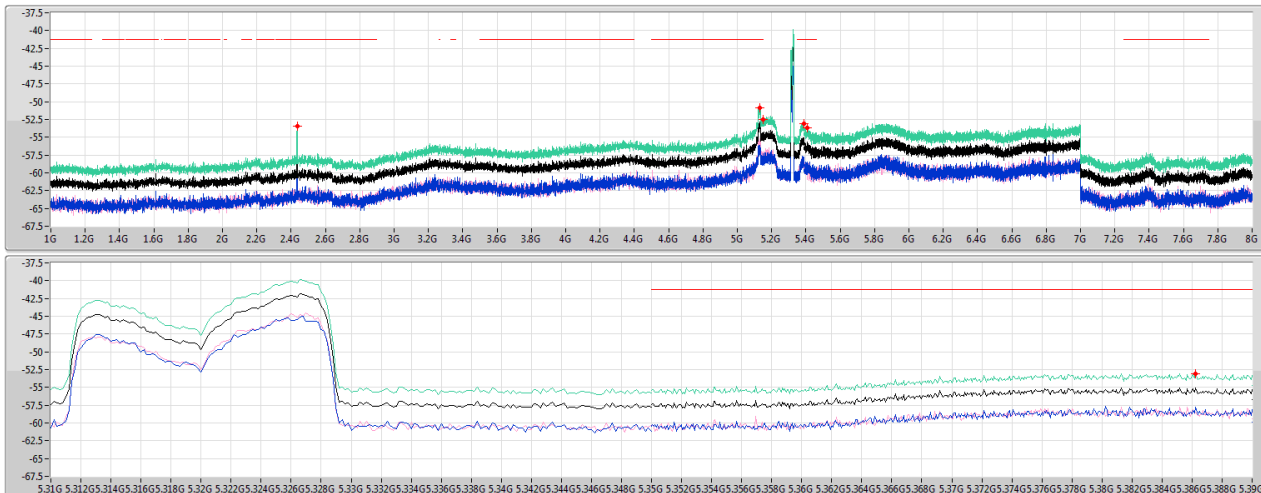
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1G	5.11G	1M	PK	5.10897G	-48.19	-21.20	-26.99	2.00	0.00	-50.19	-51.68	-55.57
5.11G	5.15G	1M	PK	5.1304G	-43.28	-21.20	-22.08	2.00	0.00	-45.28	-49.65	-47.25
5.15G	5.35G	1M	PK	5.15G	-47.53	-21.20	-26.33	2.00	0.00	-49.53	-52.82	-52.28
5.35G	5.39G	1M	PK	5.37768G	-46.38	-21.20	-25.18	2.00	0.00	-48.38	-52.32	-50.62
5.39G	8G	1M	PK	5.61055G	-52.05	-27.00	-25.05	2.00	0.00	-54.05	-56.92	-57.21

802.11a_Nss1,(6Mbps)_2TX

5320MHz

CSE-AV

17/08/2020



Limit.AV
ERP.AV
Sum.AV
Port 1
Port 2

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

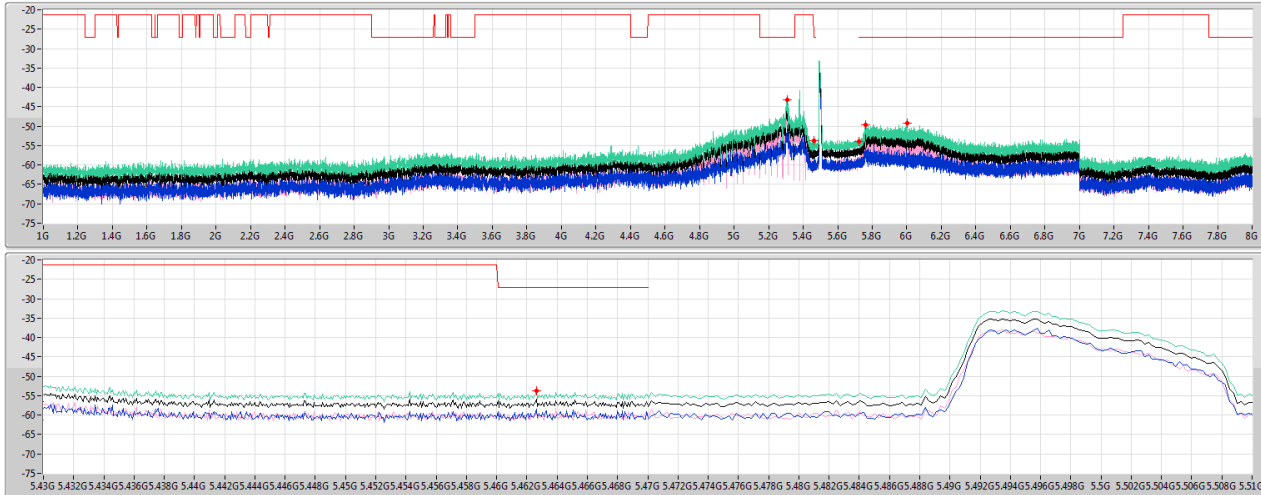
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	2.43993G	-53.47	-41.20	-12.27	2.00	0.00	-55.47	-56.30	-63.05
5.11G	5.15G	1M	AV	5.13032G	-50.90	-41.20	-9.70	2.00	0.00	-52.90	-56.53	-55.36
5.15G	5.35G	1M	AV	5.15G	-52.46	-41.20	-11.26	2.00	0.00	-54.46	-57.79	-57.18
5.35G	5.39G	1M	AV	5.38624G	-53.06	-41.20	-11.86	2.00	0.00	-55.06	-57.72	-58.46
5.39G	8G	1M	AV	5.40664G	-53.65	-41.20	-12.45	2.00	0.00	-55.65	-58.75	-58.57

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-PK

17/08/2020



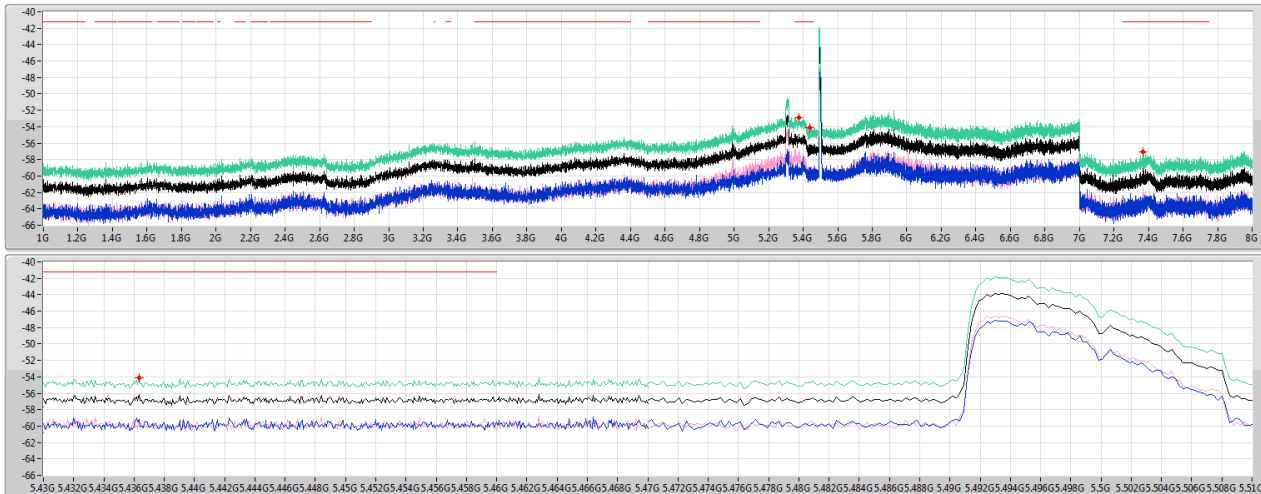
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.31039G	-43.14	-27.00	-16.14	2.00	0.00	-45.14	-49.94	-46.88
5.43G	5.47G	1M	PK	5.46264G	-53.79	-27.00	-26.79	2.00	0.00	-55.79	-58.47	-59.15
5.47G	5.725G	1M	PK	5.725G	-53.99	-27.00	-26.99	2.00	0.00	-55.99	-59.89	-58.26
5.725G	5.765G	1M	PK	5.7638G	-49.74	-27.00	-22.74	2.00	0.00	-51.74	-56.89	-53.33
5.765G	8G	1M	PK	6.00191G	-49.26	-27.00	-22.26	2.00	0.00	-51.26	-57.26	-52.51

802.11a_Nss1,(6Mbps)_2TX

5500MHz

CSE-AV

17/08/2020



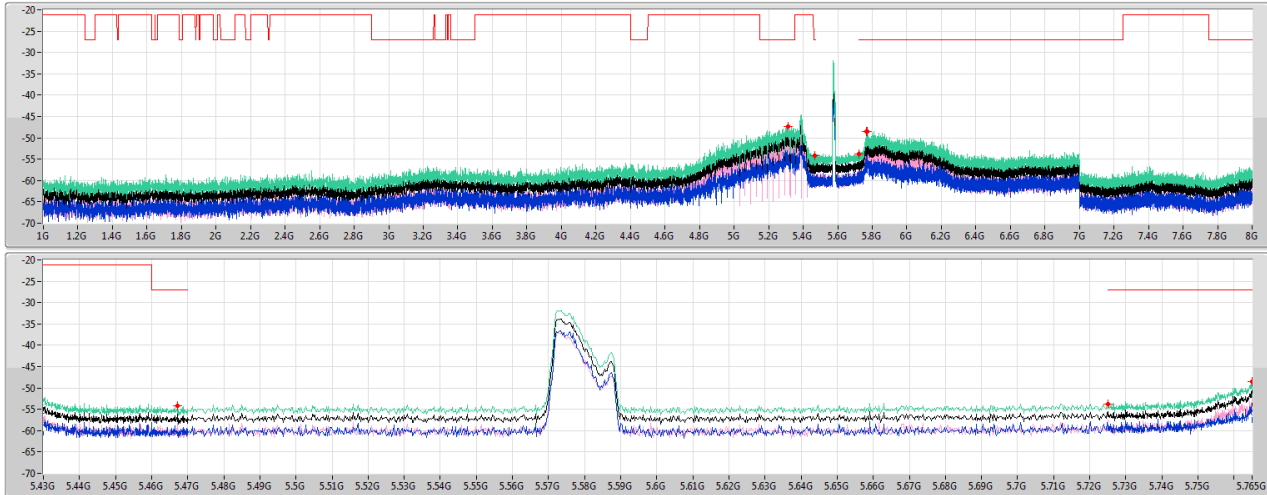
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.37629G	-52.92	-41.20	-11.72	2.00	0.00	-54.92	-59.35	-56.86
5.43G	5.47G	1M	AV	5.43632G	-54.16	-41.20	-12.96	2.00	0.00	-56.16	-59.17	-59.17
5.765G	8G	1M	AV	7.37029G	-57.08	-41.20	-15.88	2.00	0.00	-59.08	-62.67	-61.58

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-PK

17/08/2020



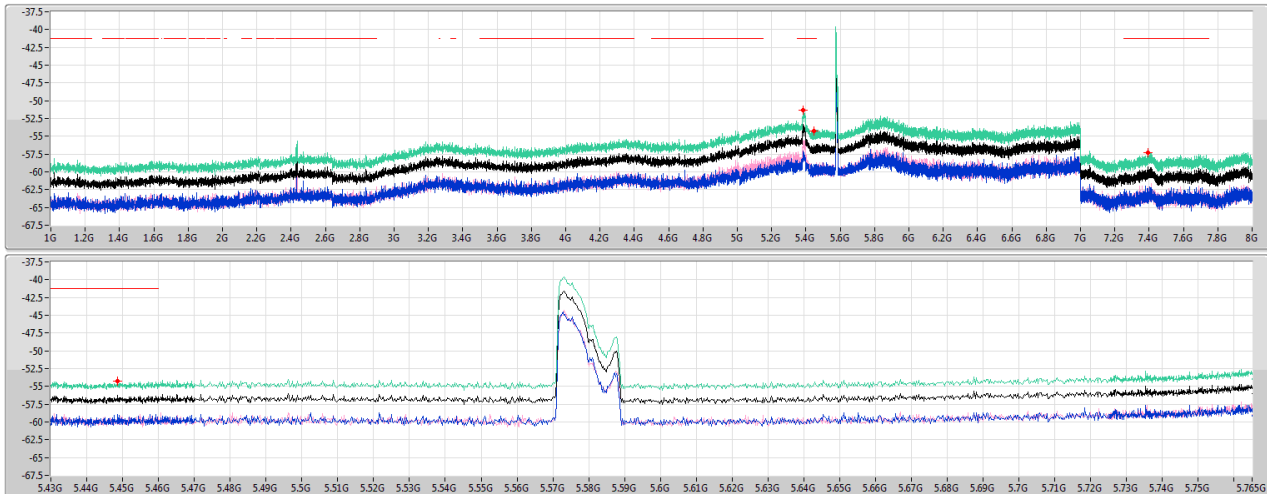
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.31261G	-47.30	-27.00	-20.30	2.00	0.00	-49.30	-54.57	-50.83
5.43G	5.47G	1M	PK	5.4672G	-54.16	-27.00	-27.16	2.00	0.00	-56.16	-60.17	-58.35
5.47G	5.725G	1M	PK	5.725G	-53.86	-27.00	-26.86	2.00	0.00	-55.86	-59.89	-58.04
5.725G	5.765G	1M	PK	5.765G	-48.43	-27.00	-21.43	2.00	0.00	-50.43	-55.34	-52.12
5.765G	8G	1M	PK	5.77031G	-48.53	-27.00	-21.53	2.00	0.00	-50.53	-55.96	-51.99

802.11a_Nss1,(6Mbps)_2TX

5580MHz

CSE-AV

17/08/2020



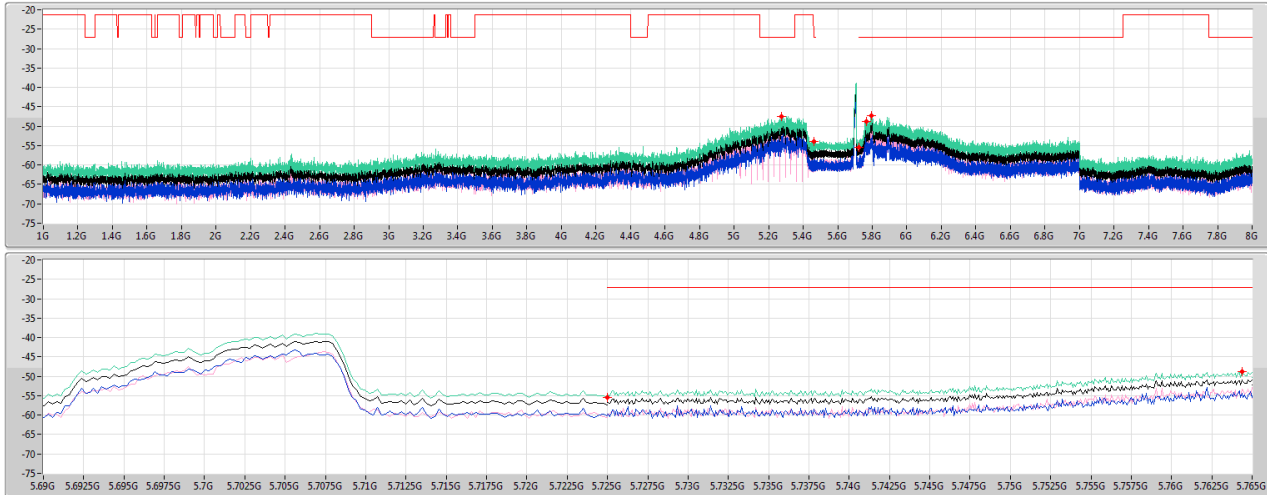
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.38182G	-51.30	-41.20	-10.10	2.00	0.00	-53.30	-57.02	-55.70
5.43G	5.47G	1M	AV	5.44864G	-54.22	-41.20	-13.02	2.00	0.00	-56.22	-59.00	-59.47
5.765G	8G	1M	AV	7.39152G	-57.29	-41.20	-16.09	2.00	0.00	-59.29	-62.44	-62.16

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-PK

17/08/2020



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

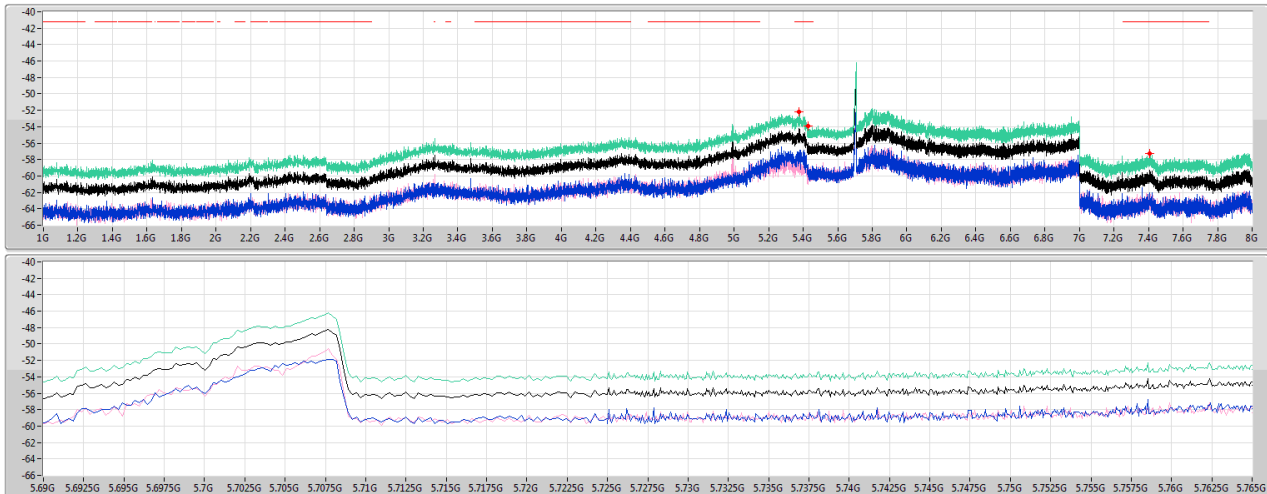
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.27606G	-47.52	-27.00	-20.52	2.00	0.00	-49.52	-52.56	-52.50
5.43G	5.47G	1M	PK	5.46424G	-54.01	-27.00	-27.01	2.00	0.00	-56.01	-59.04	-59.00
5.47G	5.725G	1M	PK	5.725G	-55.37	-27.00	-28.37	2.00	0.00	-57.37	-60.26	-60.50
5.725G	5.765G	1M	PK	5.76436G	-48.84	-27.00	-21.84	2.00	0.00	-50.84	-54.41	-53.35
5.765G	8G	1M	PK	5.79685G	-47.21	-27.00	-20.21	2.00	0.00	-49.21	-54.85	-50.60

802.11a_Nss1,(6Mbps)_2TX

5700MHz

CSE-AV

17/08/2020



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

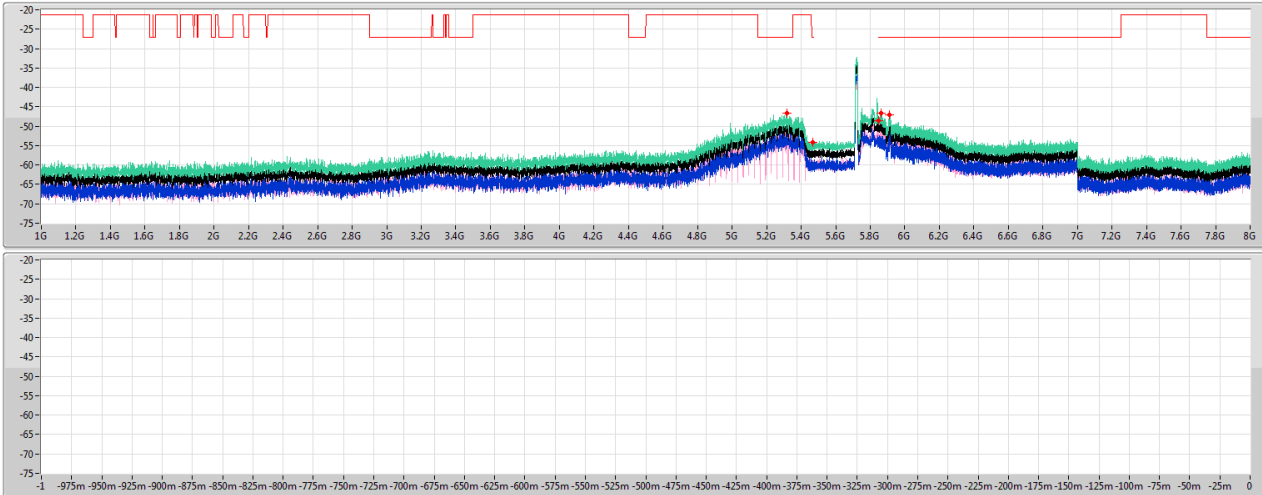
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.37629G	-52.23	-41.20	-11.03	2.00	0.00	-54.23	-57.12	-57.37
5.43G	5.47G	1M	AV	5.43064G	-53.95	-41.20	-12.75	2.00	0.00	-55.95	-58.58	-59.38
5.765G	8G	1M	AV	7.40633G	-57.28	-41.20	-16.08	2.00	0.00	-59.28	-62.06	-62.54

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz

CSE-PK

17/08/2020



Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

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

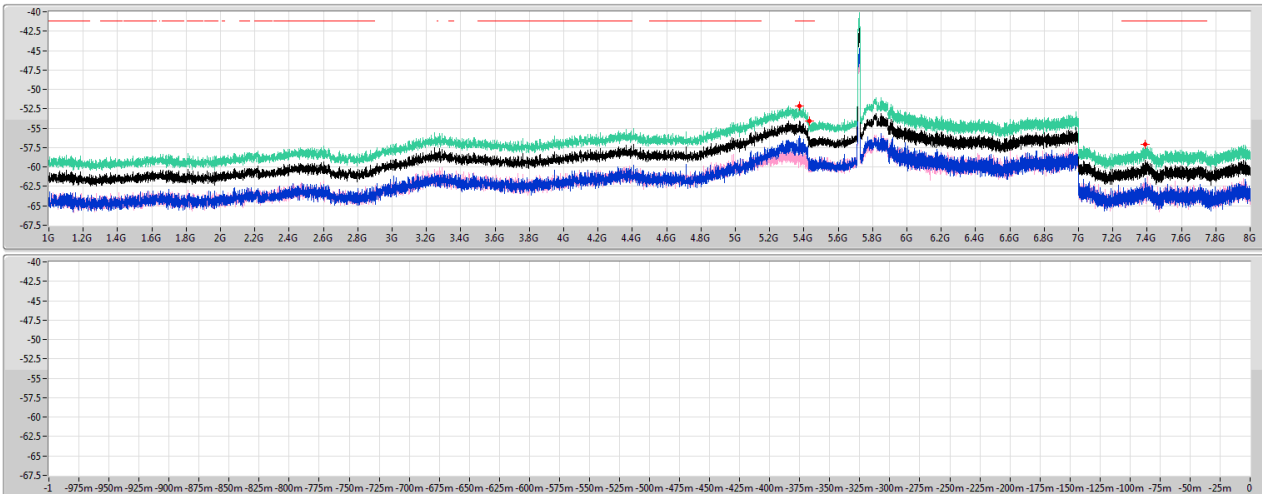
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.31925G	-46.67	-27.00	-19.67	2.00	0.00	-48.67	-50.83	-52.73
5.43G	5.47G	1M	PK	5.46504G	-54.18	-27.00	-27.18	2.00	0.00	-56.18	-59.46	-58.94
5.47G	5.85G	1M	PK	5.85G	-48.59	-27.00	-21.59	2.00	0.00	-50.59	-54.30	-52.99
5.85G	5.89G	1M	PK	5.86072G	-46.74	-27.00	-19.74	2.00	0.00	-48.74	-53.03	-50.76
5.89G	8G	1M	PK	5.91057G	-47.17	-27.00	-20.17	2.00	0.00	-49.17	-52.39	-51.98

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz

CSE-AV

17/08/2020



Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

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

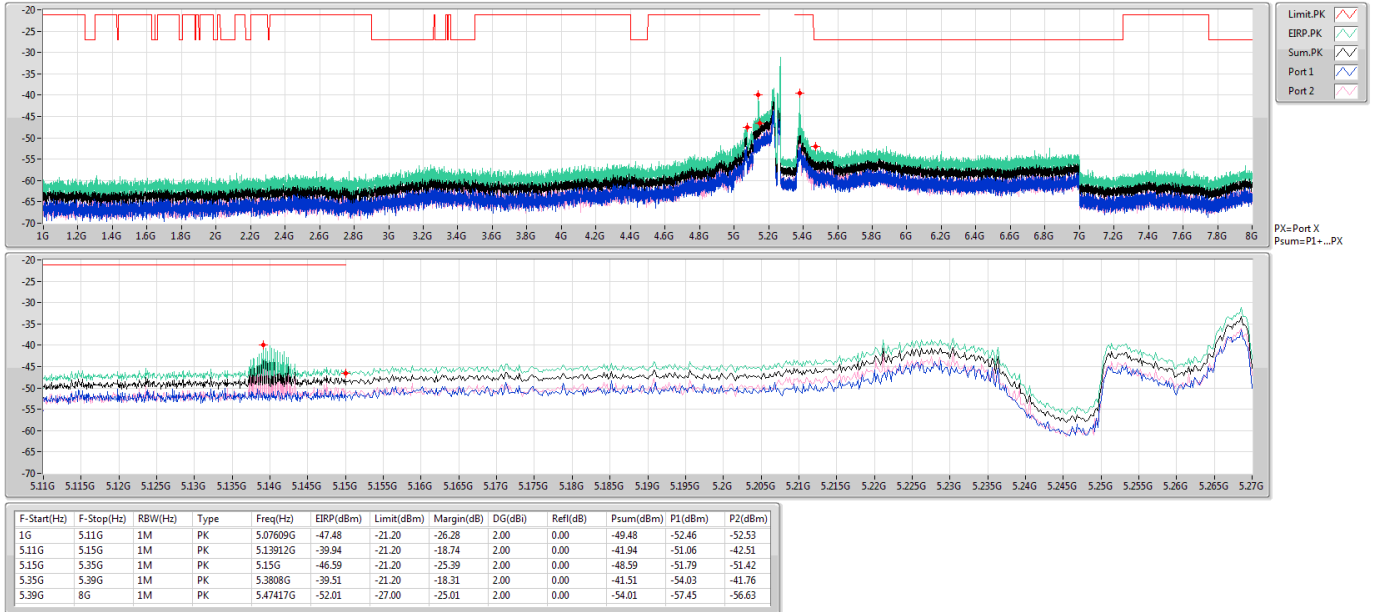
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.37186G	-52.09	-41.20	-10.89	2.00	0.00	-54.09	-55.97	-58.62
5.43G	5.47G	1M	AV	5.4328G	-54.06	-41.20	-12.86	2.00	0.00	-56.06	-58.79	-59.37
5.89G	8G	1M	AV	7.38836G	-57.13	-41.20	-15.93	2.00	0.00	-59.13	-61.48	-62.91

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz

CSE-PK

17/08/2020

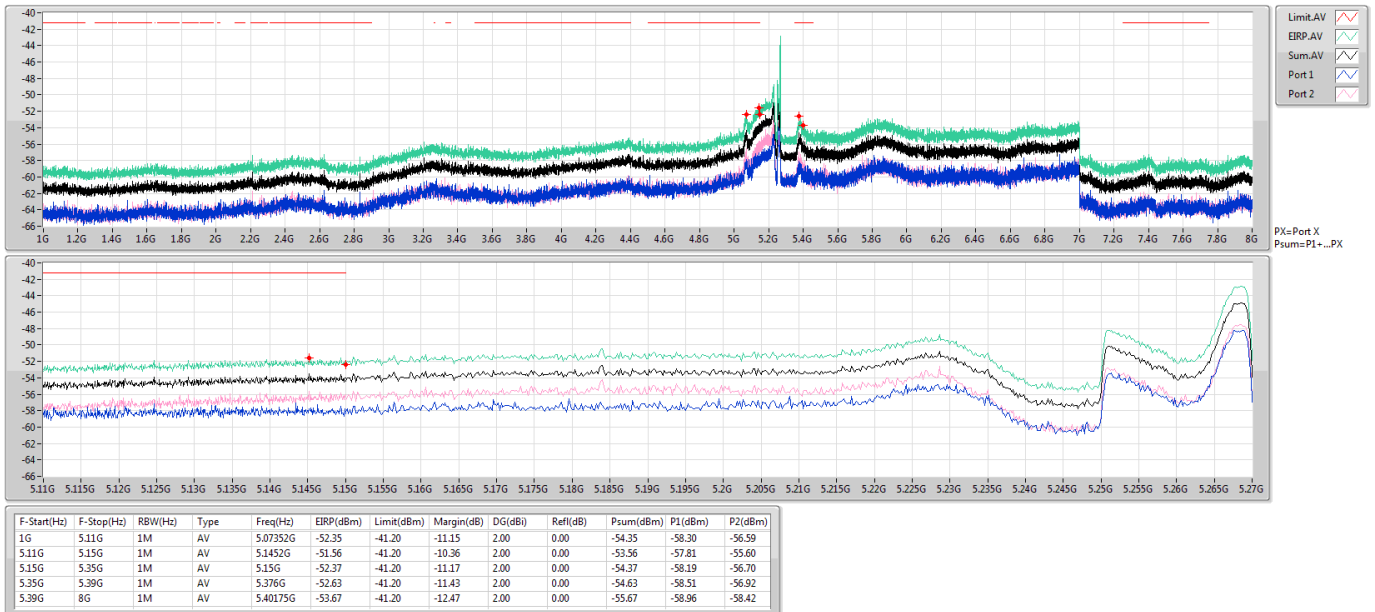


802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz

CSE-AV

17/08/2020

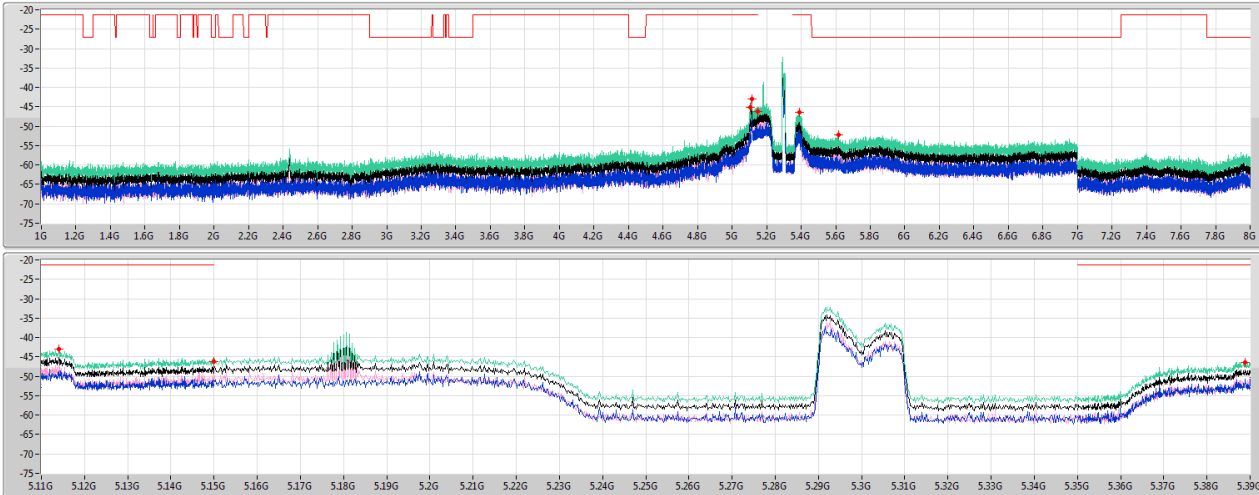


802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz

CSE-PK

17/08/2020



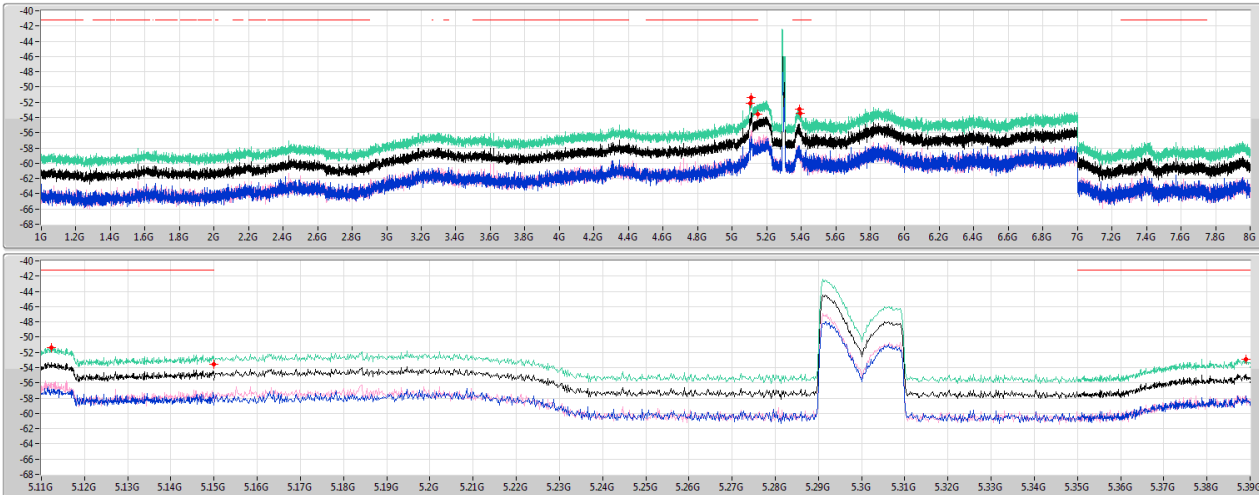
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.10538G	-45.19	-21.20	-23.99	2.00	0.00	-47.19	-50.69	-49.76
5.11G	5.15G	1M	PK	5.11408G	-43.06	-21.20	-21.86	2.00	0.00	-45.06	-49.15	-47.21
5.15G	5.35G	1M	PK	5.15G	-46.17	-21.20	-24.97	2.00	0.00	-48.17	-50.91	-51.46
5.35G	5.39G	1M	PK	5.38888G	-46.36	-21.20	-25.16	2.00	0.00	-48.36	-50.82	-51.99
5.39G	8G	1M	PK	5.61707G	-52.23	-27.00	-25.23	2.00	0.00	-54.23	-61.51	-55.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz

CSE-AV

17/08/2020



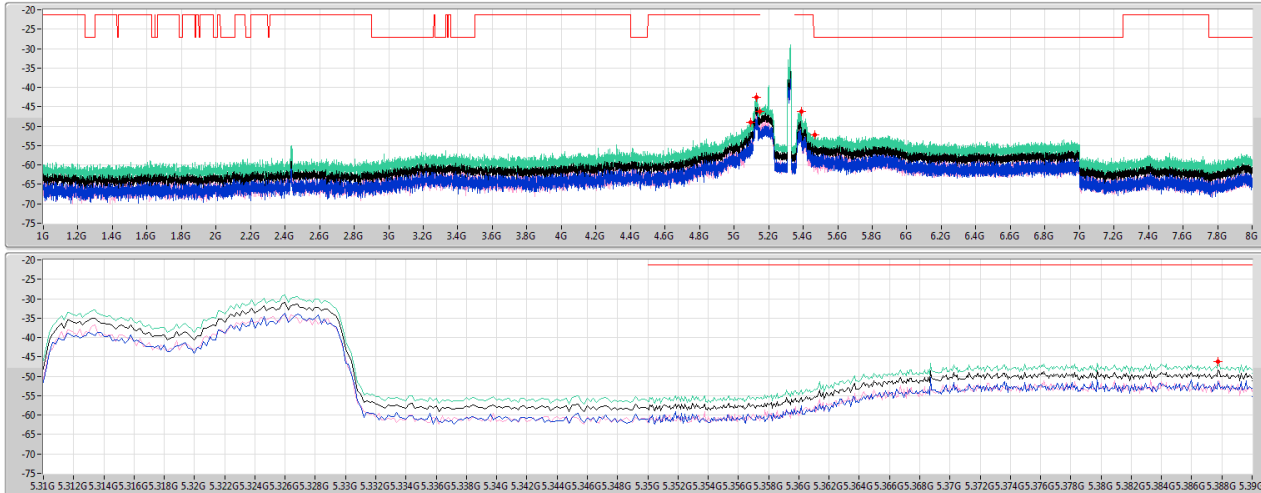
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	5.10692G	-52.10	-41.20	-10.90	2.00	0.00	-54.10	-57.39	-56.84
5.11G	5.15G	1M	AV	5.1124G	-51.35	-41.20	-10.15	2.00	0.00	-53.35	-56.85	-55.92
5.15G	5.35G	1M	AV	5.15G	-53.60	-41.20	-12.40	2.00	0.00	-55.60	-58.89	-58.35
5.35G	5.39G	1M	AV	5.38912G	-52.87	-41.20	-11.67	2.00	0.00	-54.87	-57.69	-58.07
5.39G	8G	1M	AV	5.39392G	-53.45	-41.20	-12.25	2.00	0.00	-55.45	-58.22	-58.71

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz

CSE-PK

17/08/2020



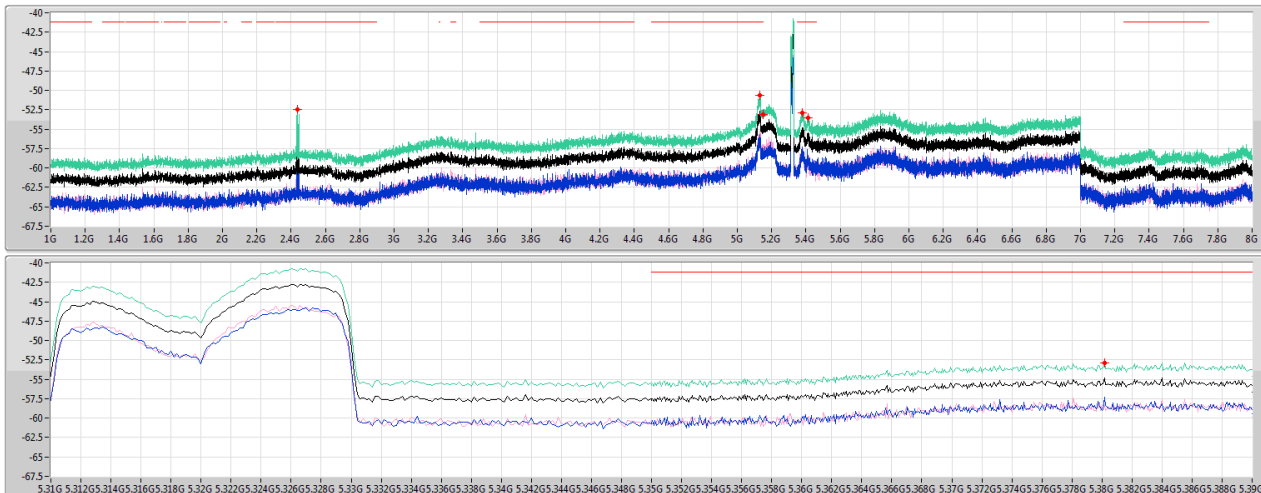
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	PK	5.09562G	-48.94	-21.20	-27.74	2.00	0.00	-50.94	-54.19	-53.72
5.11G	5.15G	1M	PK	5.1308G	-42.47	-21.20	-21.27	2.00	0.00	-44.47	-48.97	-46.38
5.15G	5.35G	1M	PK	5.15G	-46.17	-21.20	-24.97	2.00	0.00	-48.17	-51.41	-50.97
5.35G	5.39G	1M	PK	5.38776G	-46.26	-21.20	-25.06	2.00	0.00	-48.26	-51.37	-51.17
5.39G	8G	1M	PK	5.46928G	-52.30	-27.00	-25.30	2.00	0.00	-54.30	-57.37	-57.26

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz

CSE-AV

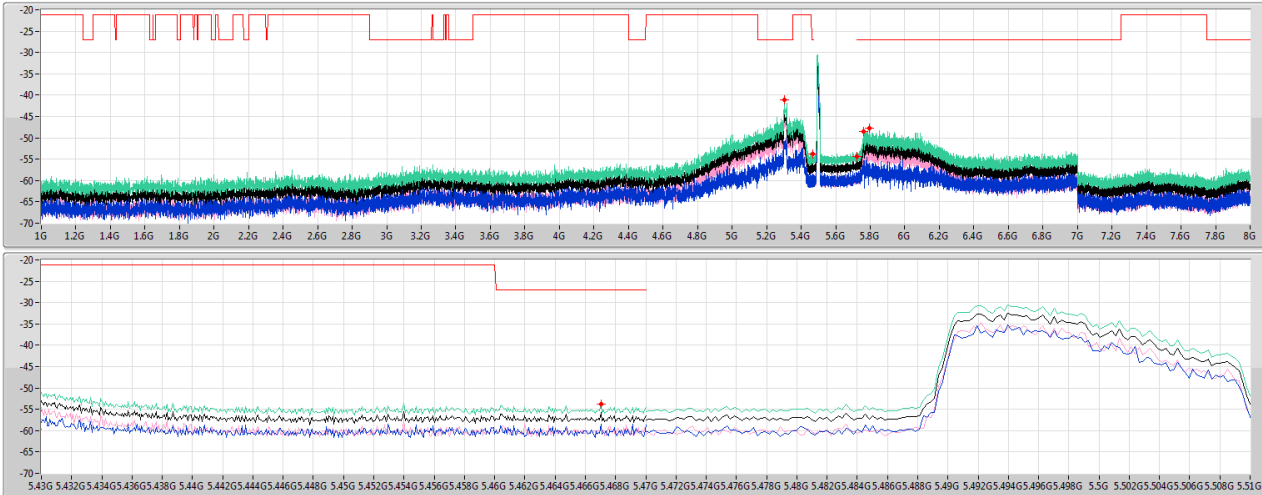
17/08/2020



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.11G	1M	AV	2.4349G	-52.50	-41.20	-11.30	2.00	0.00	-54.50	-56.14	-59.52
5.11G	5.15G	1M	AV	5.13296G	-50.67	-41.20	-9.47	2.00	0.00	-52.67	-55.66	-55.71
5.15G	5.35G	1M	AV	5.15G	-53.10	-41.20	-11.90	2.00	0.00	-55.10	-58.33	-57.90
5.35G	5.39G	1M	AV	5.38016G	-52.86	-41.20	-11.66	2.00	0.00	-54.86	-57.29	-58.53
5.39G	8G	1M	AV	5.41414G	-53.52	-41.20	-12.32	2.00	0.00	-55.52	-58.77	-58.30

802.11ax HEW20_Nss1,(MCS0)_2TX

5500MHz



CSE-PK

17/08/2020

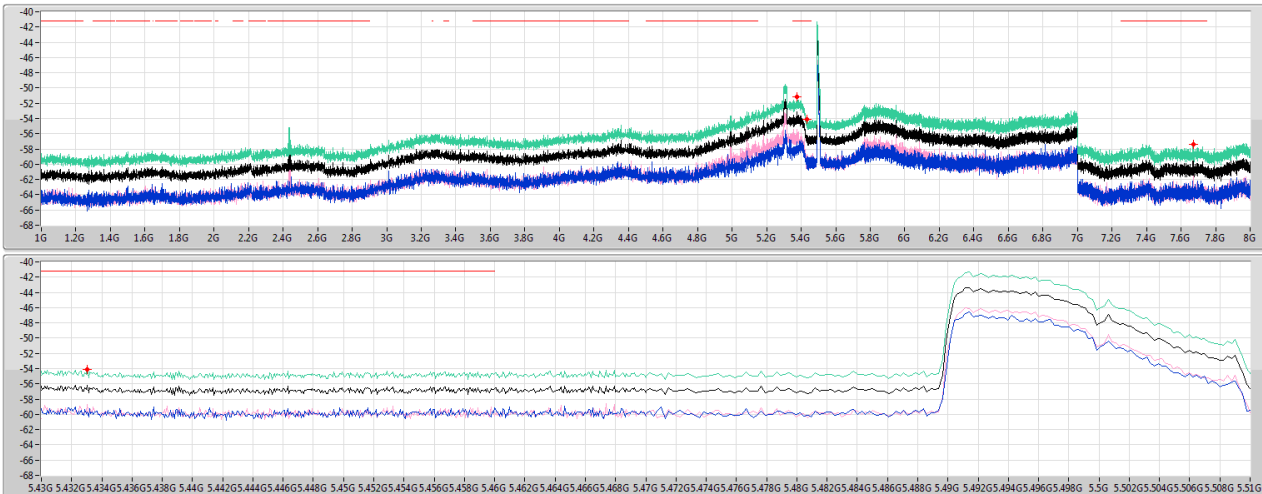
Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

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)
1G	5.43G	1M	PK	5.30153G	-41.10	-27.00	-14.10	2.00	0.00	-43.10	-52.01	-43.70
5.43G	5.47G	1M	PK	5.46704G	-53.74	-27.00	-26.74	2.00	0.00	-55.74	-58.52	-58.99
5.47G	5.725G	1M	PK	5.725G	-54.39	-27.00	-27.39	2.00	0.00	-56.39	-58.92	-59.93
5.725G	5.765G	1M	PK	5.76004G	-48.58	-27.00	-21.58	2.00	0.00	-50.58	-57.32	-51.62
5.765G	8G	1M	PK	5.79713G	-47.78	-27.00	-20.78	2.00	0.00	-49.78	-58.64	-50.38

802.11ax HEW20_Nss1,(MCS0)_2TX

5500MHz



CSE-AV

17/08/2020

Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

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

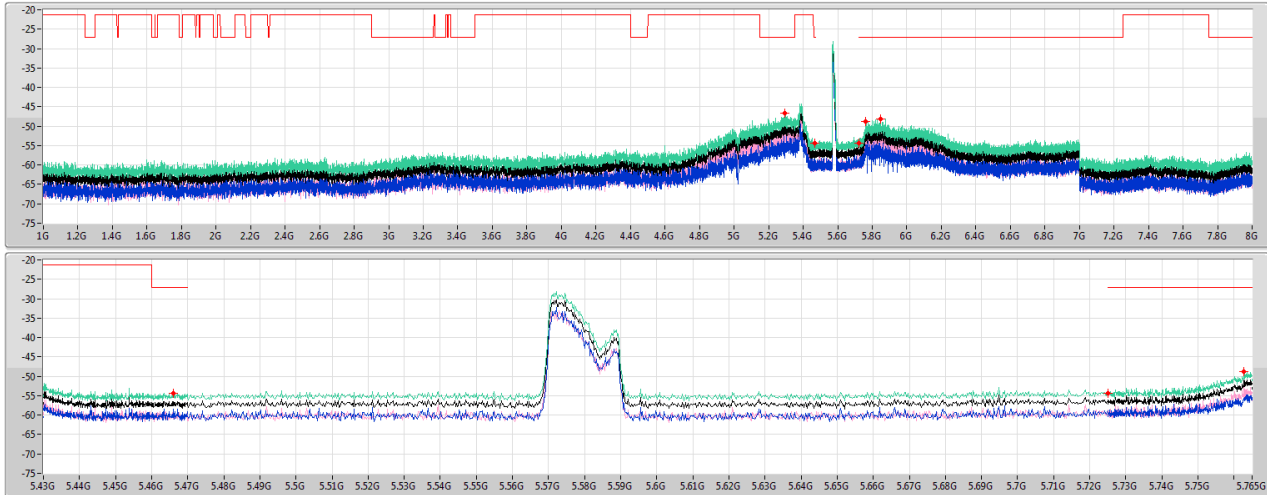
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.37629G	-51.15	-41.20	-9.95	2.00	0.00	-53.15	-57.09	-55.40
5.43G	5.47G	1M	AV	5.43304G	-54.14	-41.20	-12.94	2.00	0.00	-56.14	-59.66	-58.69
5.765G	8G	1M	AV	7.67229G	-57.40	-41.20	-16.20	2.00	0.00	-59.40	-64.14	-61.18

802.11ax HEW20_Nss1,(MCS0)_2TX

5580MHz

CSE-PK

17/08/2020



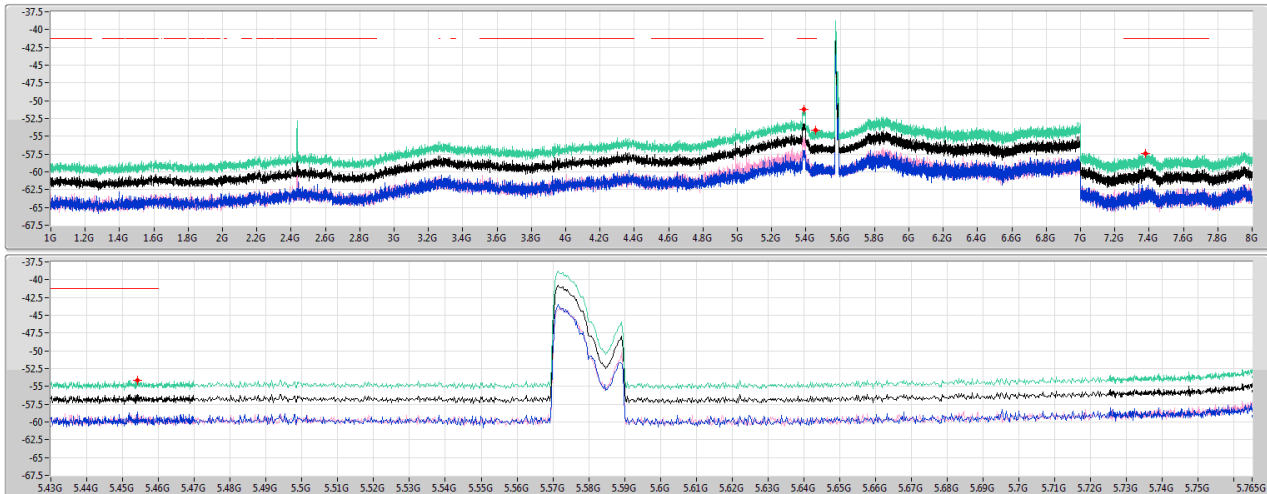
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.20378G	-46.54	-27.00	-19.54	2.00	0.00	-48.54	-54.40	-49.85
5.43G	5.47G	1M	PK	5.466G	-54.44	-27.00	-27.44	2.00	0.00	-56.44	-58.56	-60.57
5.47G	5.725G	1M	PK	5.725G	-54.43	-27.00	-27.43	2.00	0.00	-56.43	-58.89	-60.06
5.725G	5.765G	1M	PK	5.76268G	-48.88	-27.00	-21.88	2.00	0.00	-50.88	-56.03	-52.46
5.765G	8G	1M	PK	5.84714G	-48.10	-27.00	-21.10	2.00	0.00	-50.10	-55.13	-51.73

802.11ax HEW20_Nss1,(MCS0)_2TX

5580MHz

CSE-AV

17/08/2020



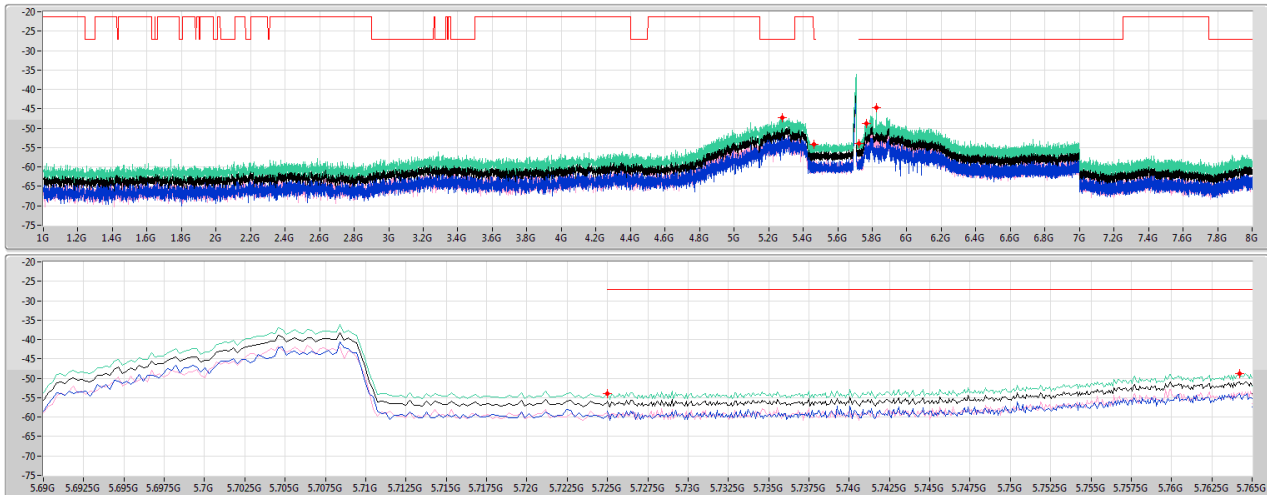
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.39068G	-51.24	-41.20	-10.04	2.00	0.00	-53.24	-57.88	-55.07
5.43G	5.47G	1M	AV	5.45408G	-54.10	-41.20	-12.90	2.00	0.00	-56.10	-58.62	-59.67
5.765G	8G	1M	AV	7.37755G	-57.37	-41.20	-16.17	2.00	0.00	-59.37	-62.53	-62.24

802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz

CSE-PK

17/08/2020



Limit-PK
EIRP-PK
Sum-PK
Port 1
Port 2

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

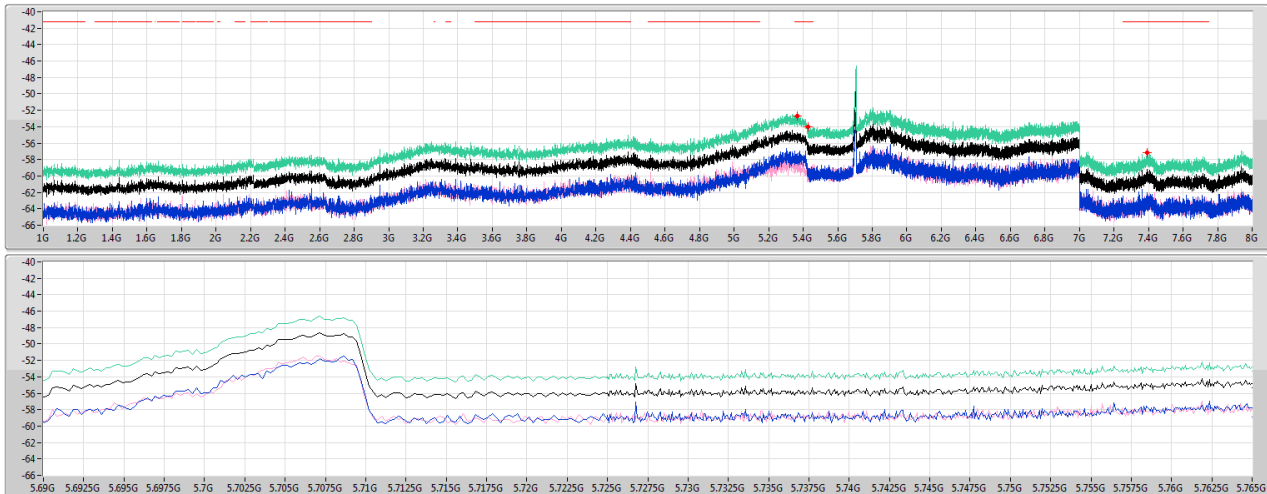
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.27717G	-47.26	-27.00	-20.26	2.00	0.00	-49.26	-52.06	-52.40
5.43G	5.47G	1M	PK	5.46088G	-54.09	-27.00	-27.09	2.00	0.00	-56.09	-59.23	-58.98
5.47G	5.725G	1M	PK	5.725G	-54.02	-27.00	-27.02	2.00	0.00	-56.02	-59.45	-58.64
5.725G	5.765G	1M	PK	5.7642G	-48.84	-27.00	-21.84	2.00	0.00	-50.84	-54.05	-53.66
5.765G	8G	1M	PK	5.82199G	-44.64	-27.00	-17.64	2.00	0.00	-46.64	-54.86	-47.35

802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz

CSE-AV

17/08/2020



Limit-AV
EIRP-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)
1G	5.43G	1M	AV	5.36687G	-52.69	-41.20	-11.49	2.00	0.00	-54.69	-57.85	-57.55
5.43G	5.47G	1M	AV	5.43064G	-53.99	-41.20	-12.79	2.00	0.00	-55.99	-59.14	-58.86
5.765G	8G	1M	AV	7.39068G	-57.17	-41.20	-15.97	2.00	0.00	-59.17	-62.01	-62.35

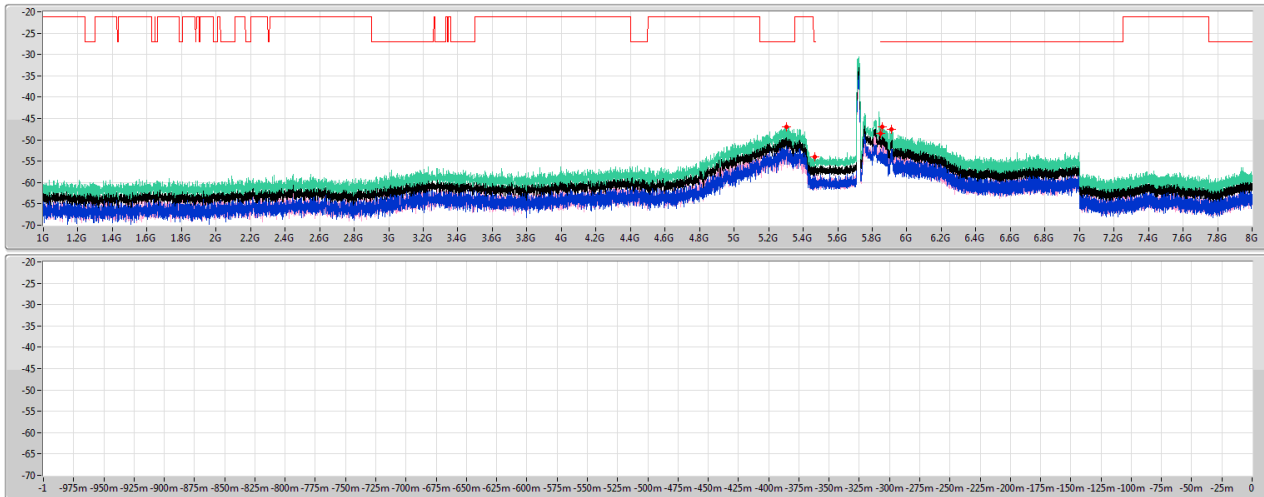


802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz

CSE-PK

17/08/2020

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

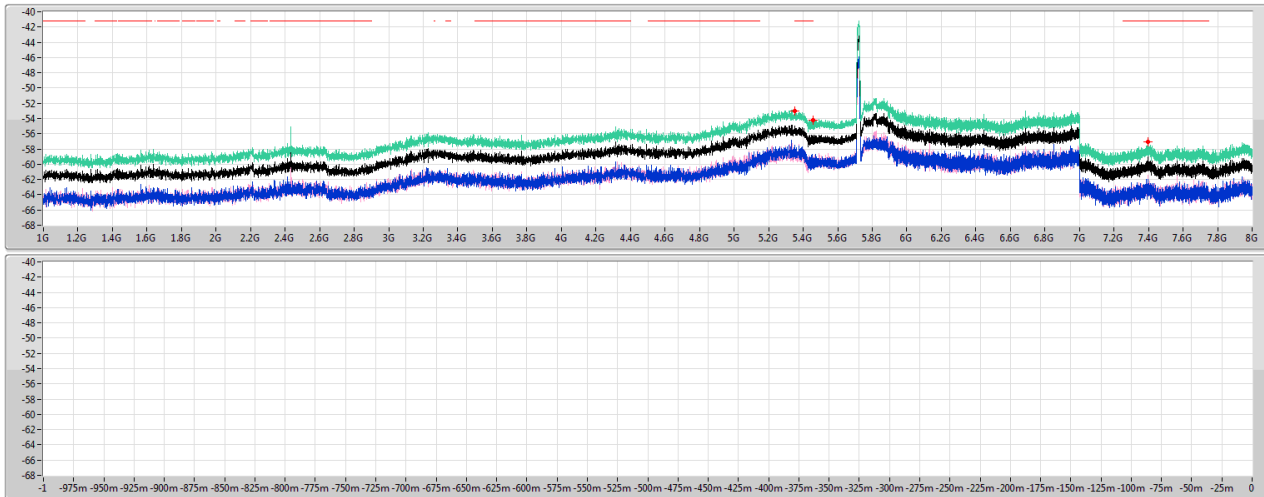
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	PK	5.30485G	-46.91	-27.00	-19.91	2.00	0.00	-48.91	-51.14	-52.87
5.43G	5.47G	1M	PK	5.46528G	-54.04	-27.00	-27.04	2.00	0.00	-56.04	-58.11	-60.26
5.47G	5.85G	1M	PK	5.85G	-48.51	-27.00	-21.51	2.00	0.00	-50.51	-54.26	-52.89
5.85G	5.89G	1M	PK	5.86G	-47.01	-27.00	-20.01	2.00	0.00	-49.01	-54.21	-50.57
5.89G	8G	1M	PK	5.91268G	-47.62	-27.00	-20.62	2.00	0.00	-49.62	-52.11	-53.23

802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz

CSE-AV

17/08/2020

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

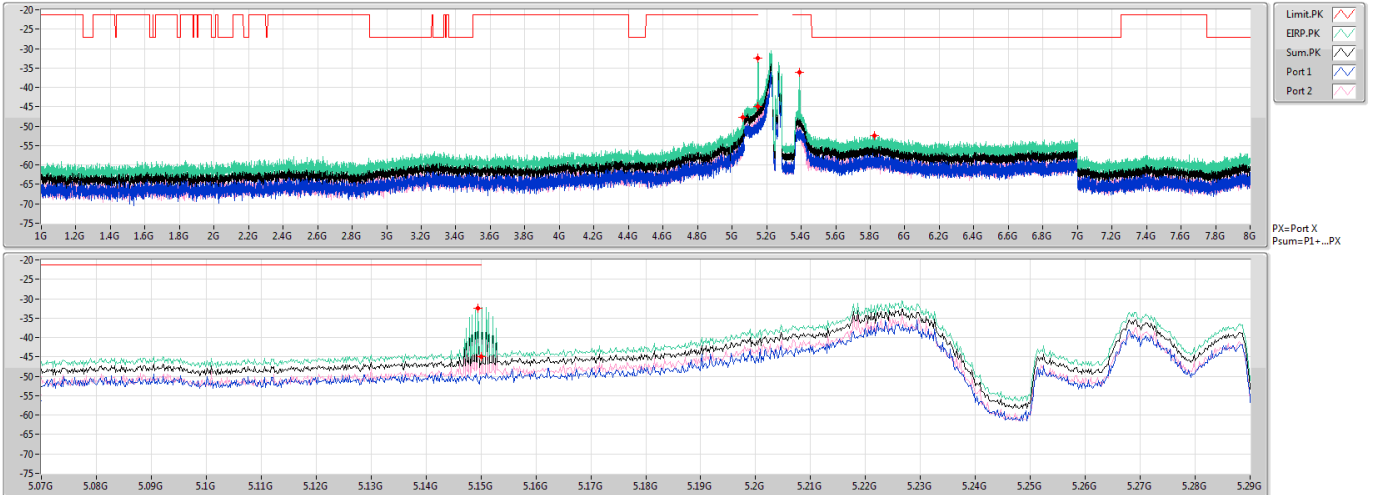
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.43G	1M	AV	5.35248G	-53.01	-41.20	-11.81	2.00	0.00	-55.01	-57.47	-58.65
5.43G	5.47G	1M	AV	5.45696G	-54.17	-41.20	-12.97	2.00	0.00	-56.17	-59.37	-59.00
5.89G	8G	1M	AV	7.39812G	-57.02	-41.20	-15.82	2.00	0.00	-59.02	-62.67	-61.48

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz

CSE-PK

17/08/2020



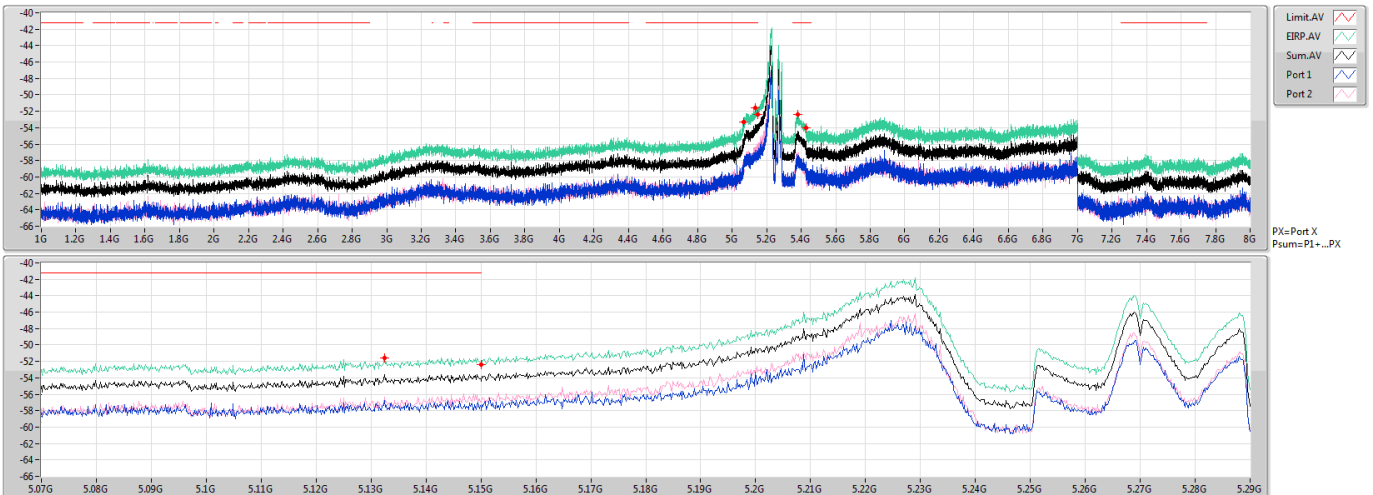
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.07G	1M	PK	5.0639G	-47.76	-21.20	-26.56	2.00	0.00	-49.76	-52.38	-52.20
5.07G	5.15G	1M	PK	5.14952G	-32.49	-21.20	-11.29	2.00	0.00	-34.49	-51.08	-34.59
5.15G	5.35G	1M	PK	5.15G	-44.95	-21.20	-23.75	2.00	0.00	-46.95	-50.55	-49.45
5.35G	5.43G	1M	PK	5.39064G	-36.04	-21.20	-14.84	2.00	0.00	-38.04	-52.31	-38.21
5.43G	8G	1M	PK	5.82482G	-52.49	-27.00	-25.49	2.00	0.00	-54.49	-55.95	-59.94

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz

CSE-AV

17/08/2020



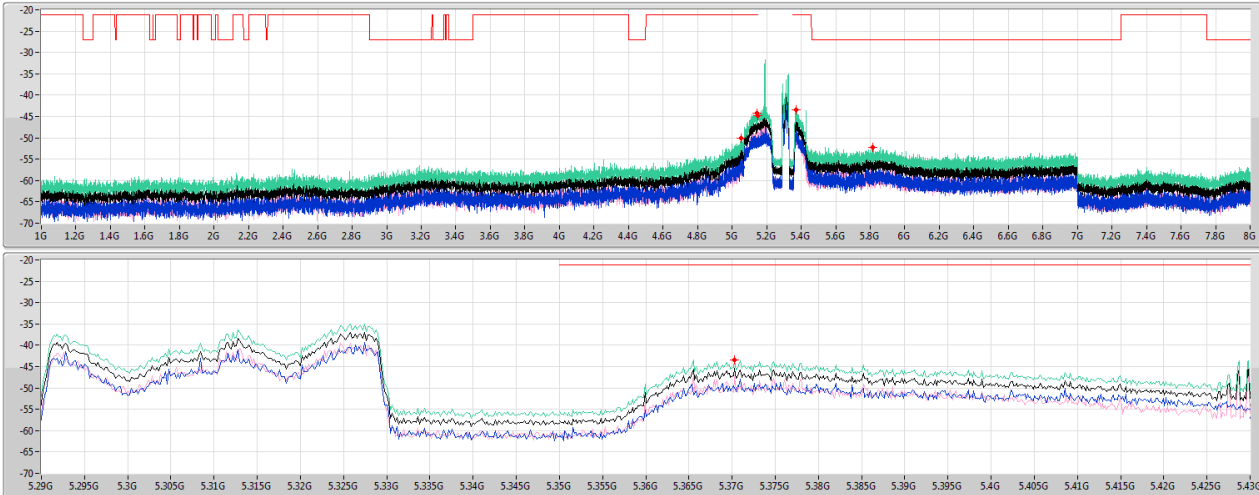
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.07G	1M	AV	5.06898G	-53.34	-41.20	-12.14	2.00	0.00	-55.34	-57.87	-58.88
5.07G	5.15G	1M	AV	5.1324G	-51.56	-41.20	-10.36	2.00	0.00	-53.56	-56.79	-56.37
5.15G	5.35G	1M	AV	5.15G	-52.43	-41.20	-11.23	2.00	0.00	-54.43	-57.96	-56.97
5.35G	5.43G	1M	AV	5.37832G	-52.42	-41.20	-11.22	2.00	0.00	-54.42	-57.84	-57.06
5.43G	8G	1M	AV	5.43G	-53.99	-41.20	-12.79	2.00	0.00	-55.99	-58.23	-59.94

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz

CSE-PK

17/08/2020



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

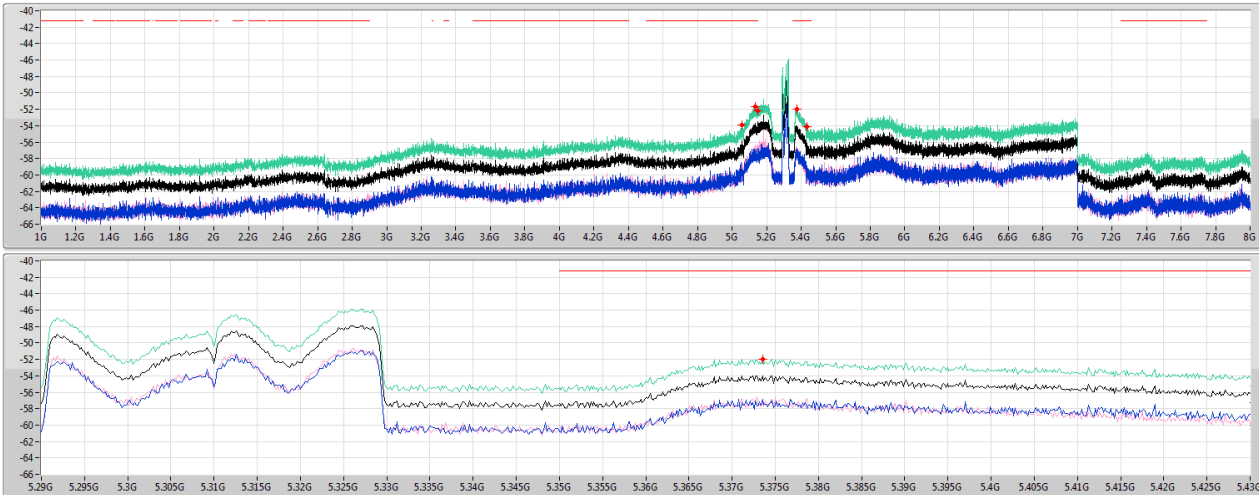
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.07G	1M	PK	5.0577G	-50.05	-21.20	-28.85	2.00	0.00	-52.05	-53.20	-58.39
5.07G	5.15G	1M	PK	5.14312G	-44.16	-21.20	-22.96	2.00	0.00	-46.16	-51.31	-47.74
5.15G	5.35G	1M	PK	5.15G	-44.88	-21.20	-23.68	2.00	0.00	-46.88	-51.13	-48.93
5.35G	5.43G	1M	PK	5.37032G	-43.46	-21.20	-22.26	2.00	0.00	-45.46	-49.91	-47.39
5.43G	8G	1M	PK	5.81325G	-52.16	-27.00	-25.16	2.00	0.00	-54.16	-57.64	-56.74

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz

CSE-AV

17/08/2020



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

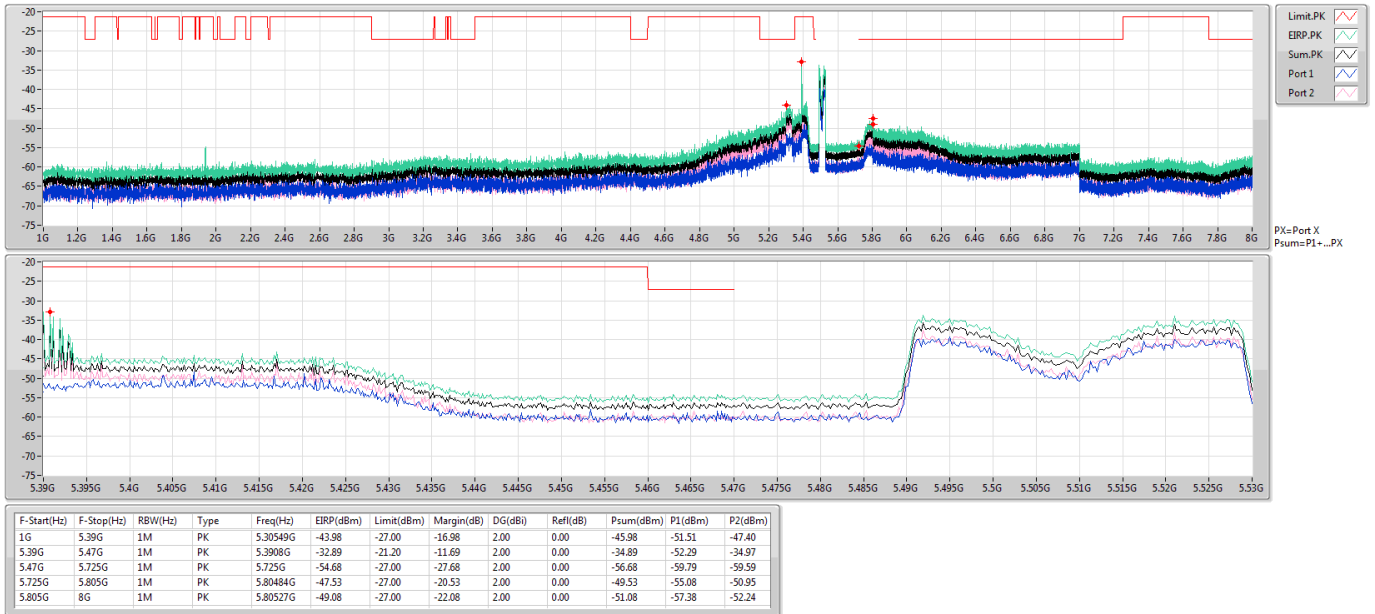
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.07G	1M	AV	5.05779G	-53.89	-41.20	-12.69	2.00	0.00	-55.89	-59.26	-58.57
5.07G	5.15G	1M	AV	5.13336G	-51.67	-41.20	-10.47	2.00	0.00	-53.67	-57.03	-56.35
5.15G	5.35G	1M	AV	5.15G	-52.17	-41.20	-10.97	2.00	0.00	-54.17	-57.33	-57.04
5.35G	5.43G	1M	AV	5.37352G	-51.98	-41.20	-10.78	2.00	0.00	-53.98	-56.82	-57.16
5.43G	8G	1M	AV	5.43353G	-54.15	-41.20	-12.95	2.00	0.00	-56.15	-58.84	-59.51

802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz

CSE-PK

17/08/2020

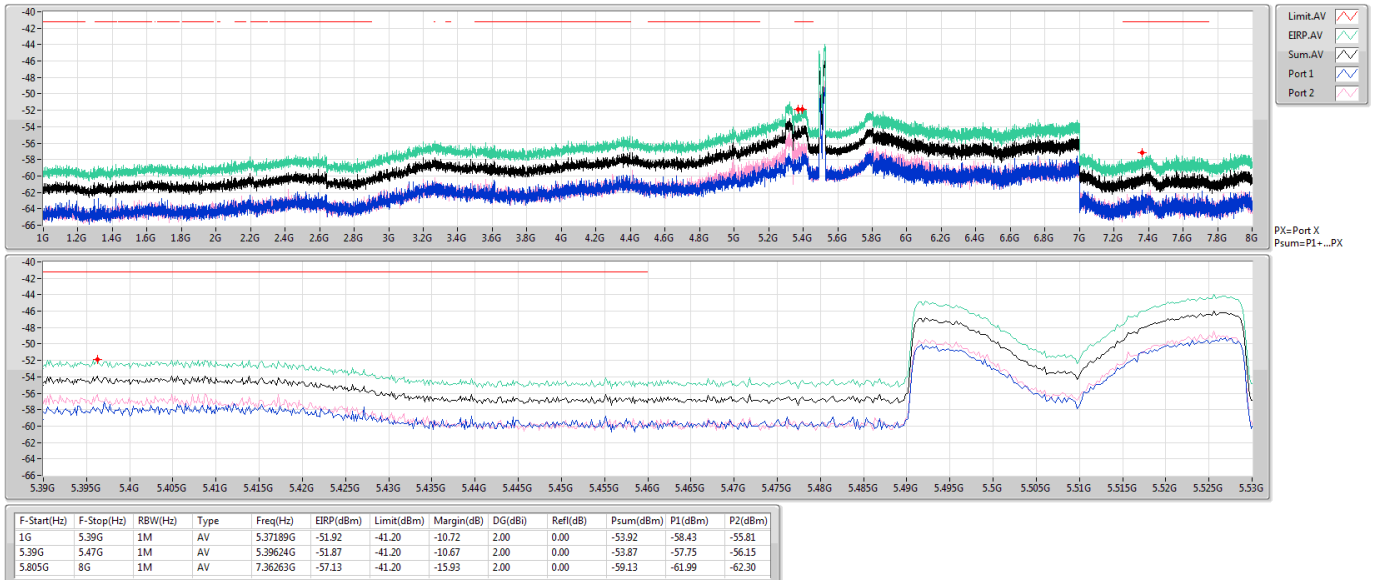


802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz

CSE-AV

17/08/2020

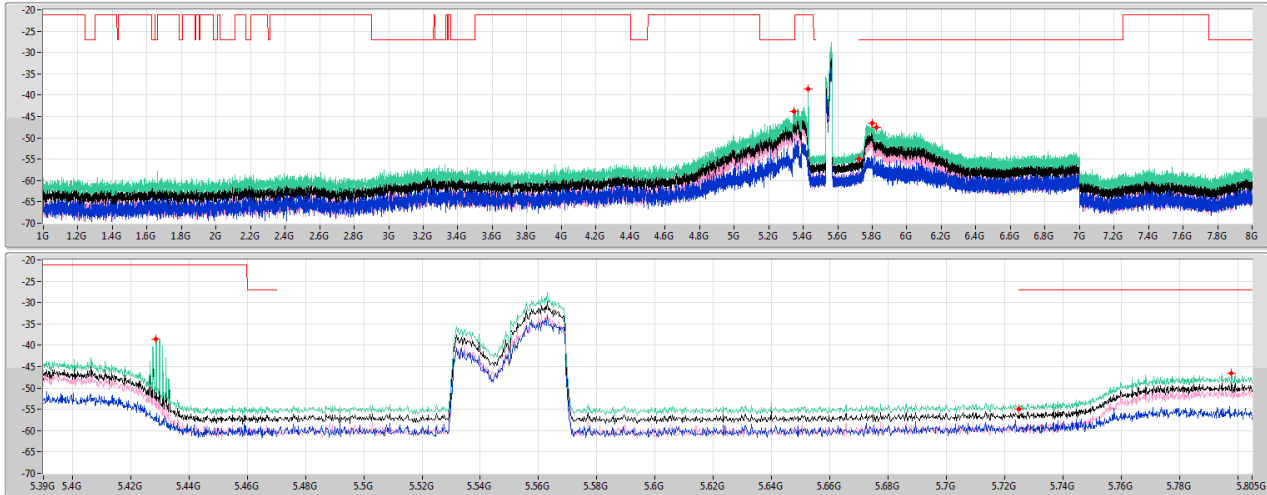


802.11ax HEW40_Nss1,(MCS0)_2TX

5550MHz

CSE-PK

17/08/2020



Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

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

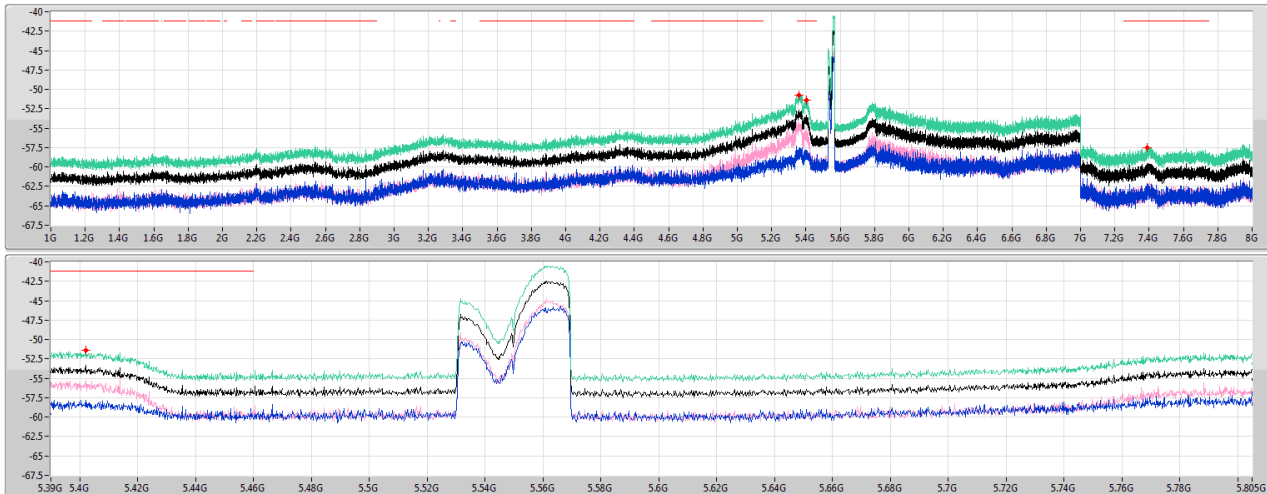
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.39G	1M	PK	5.3461G	-43.78	-27.00	-16.78	2.00	0.00	-45.78	-55.97	-46.22
5.39G	5.47G	1M	PK	5.42872G	-38.58	-21.20	-17.38	2.00	0.00	-40.58	-57.31	-40.67
5.47G	5.725G	1M	PK	5.725G	-55.03	-27.00	-28.03	2.00	0.00	-57.03	-59.82	-60.28
5.725G	5.805G	1M	PK	5.79796G	-46.53	-27.00	-19.53	2.00	0.00	-48.53	-56.52	-49.28
5.805G	8G	1M	PK	5.8264G	-47.52	-27.00	-20.52	2.00	0.00	-49.52	-55.56	-50.76

802.11ax HEW40_Nss1,(MCS0)_2TX

5550MHz

CSE-AV

17/08/2020



Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

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

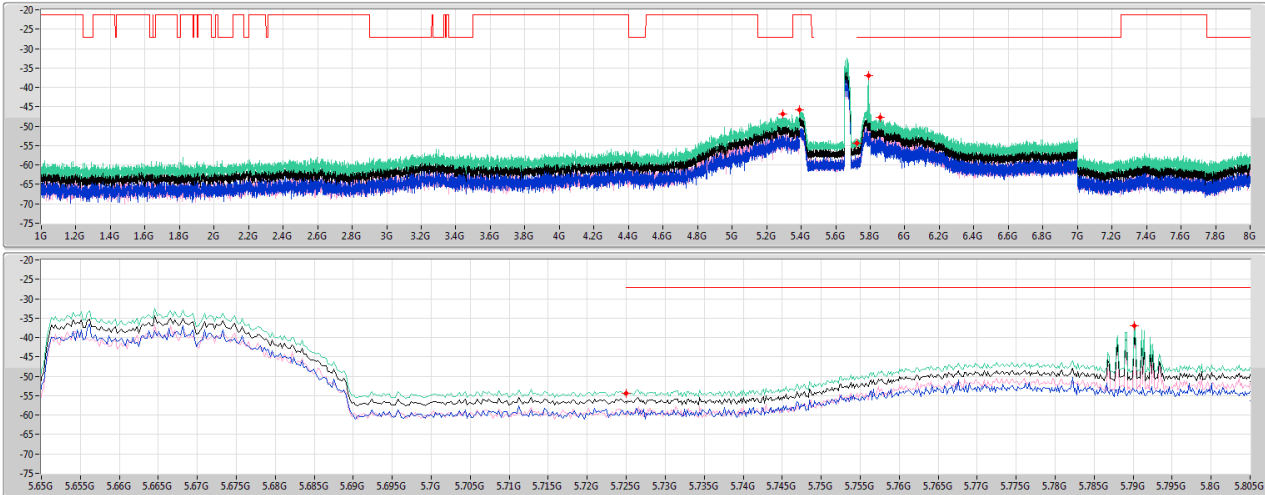
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.39G	1M	AV	5.35762G	-50.72	-41.20	-9.52	2.00	0.00	-52.72	-57.86	-54.31
5.39G	5.47G	1M	AV	5.402G	-51.35	-41.20	-10.15	2.00	0.00	-53.35	-57.85	-55.25
5.805G	8G	1M	AV	7.38814G	-57.53	-41.20	-16.33	2.00	0.00	-59.53	-62.18	-62.94

802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz

CSE-PK

17/08/2020



Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

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

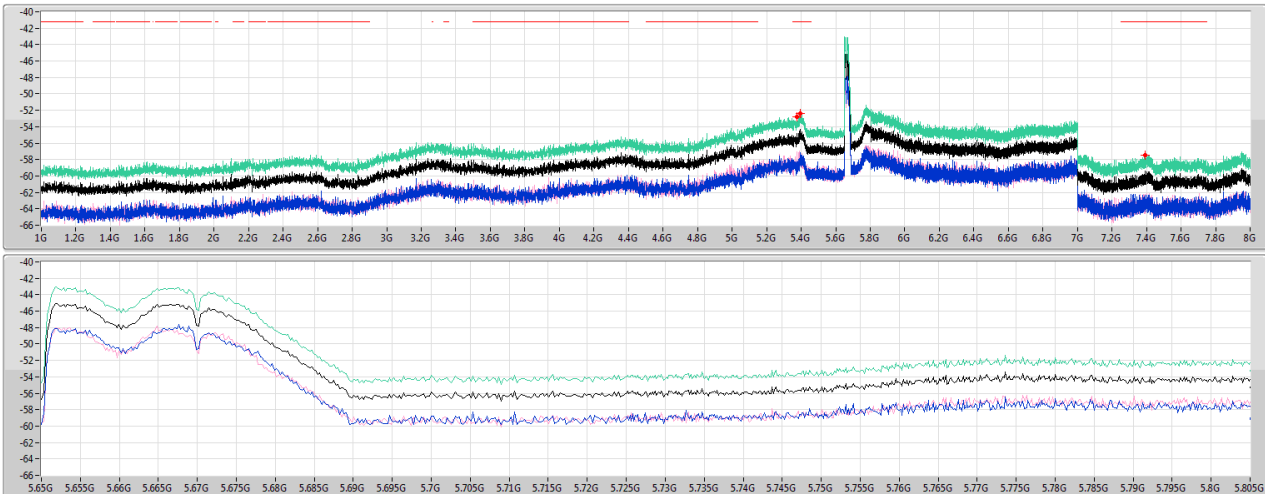
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.39G	1M	PK	5.20907G	-46.94	-27.00	-19.94	2.00	0.00	-48.94	-52.11	-51.79
5.39G	5.47G	1M	PK	5.39G	-45.81	-21.20	-24.61	2.00	0.00	-47.81	-51.05	-50.61
5.47G	5.725G	1M	PK	5.725G	-54.48	-27.00	-27.48	2.00	0.00	-56.48	-59.83	-59.18
5.725G	5.805G	1M	PK	5.79012G	-36.96	-27.00	-9.96	2.00	0.00	-38.96	-53.48	-39.12
5.805G	8G	1M	PK	5.85631G	-47.70	-27.00	-20.70	2.00	0.00	-49.70	-53.78	-51.86

802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz

CSE-AV

17/08/2020



Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

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

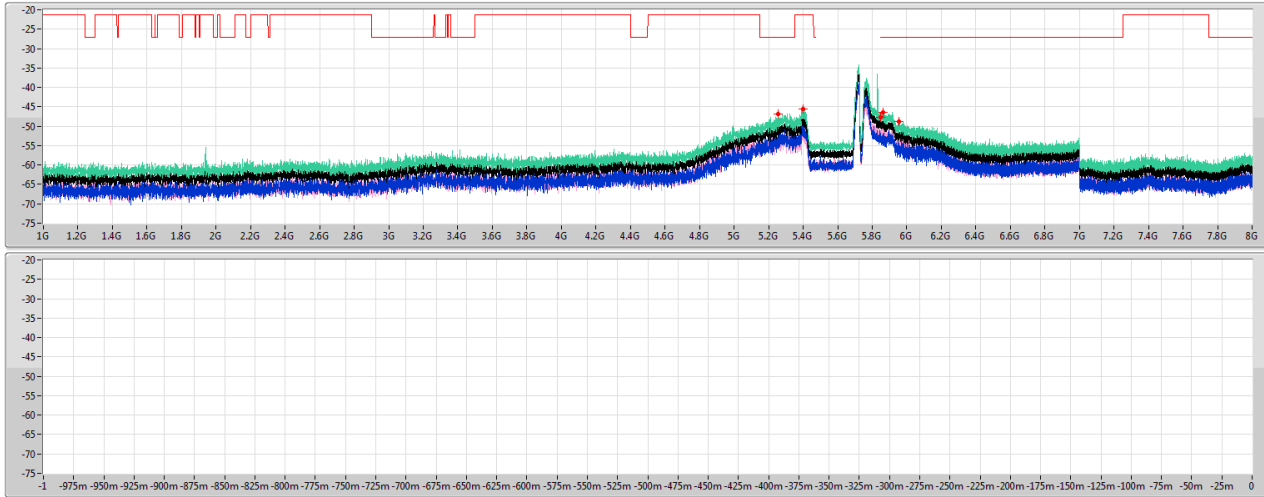
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.39G	1M	AV	5.37628G	-52.80	-41.20	-11.60	2.00	0.00	-54.80	-58.18	-57.47
5.39G	5.47G	1M	AV	5.39272G	-52.35	-41.20	-11.15	2.00	0.00	-54.35	-57.39	-57.34
5.805G	8G	1M	AV	7.39253G	-57.45	-41.20	-16.25	2.00	0.00	-59.45	-62.71	-62.22

802.11ax HEW40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz

CSE-PK

17/08/2020



802.11ax HEW40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz

CSE-AV

17/08/2020

