



RADIO TEST REPORT

FCC ID : Z8H89FT0065
Equipment : ePMP 4500 5 GHz 8x8 Integrated Access Point Radio /
ePMP 4500C 5GHz Access Point Radio
Brand Name : Cambium Networks
Model Name : ePMP 4500 5 GHz 8x8 Integrated Access Point Radio /
ePMP 4500C 5GHz Access Point Radio
Model Number : C058940P122A / C058940P112A
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
(Excepting DFS testing)

The product was received on Sep. 10, 2021, and testing was started from Sep. 24, 2021 and completed on Nov. 05, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013(Excepting DFS testing) 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_1 Ver1.4



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 Output Power	PASS	-
3.3	15.407(a)	Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Vicky Huang



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		5500-5700	100-140 [11]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]

For Radio 1

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	8TX, 8RX
5.25-5.35GHz	802.11n HT20	20	8TX, 8RX
5.25-5.35GHz	802.11ac VHT20	20	8TX, 8RX
5.25-5.35GHz	802.11ax HEW20	20	8TX, 8RX
5.25-5.35GHz	802.11n HT40	40	8TX, 8RX
5.25-5.35GHz	802.11ac VHT40	40	8TX, 8RX
5.25-5.35GHz	802.11ax HEW40	40	8TX, 8RX
5.25-5.35GHz	802.11ac VHT80	80	8TX, 8RX
5.25-5.35GHz	802.11ax HEW80	80	8TX, 8RX
5.47-5.725GHz	802.11a	20	8TX, 8RX
5.47-5.725GHz	802.11n HT20	20	8TX, 8RX
5.47-5.725GHz	802.11ac VHT20	20	8TX, 8RX
5.47-5.725GHz	802.11ax HEW20	20	8TX, 8RX
5.47-5.725GHz	802.11n HT40	40	8TX, 8RX
5.47-5.725GHz	802.11ac VHT40	40	8TX, 8RX
5.47-5.725GHz	802.11ax HEW40	40	8TX, 8RX
5.47-5.725GHz	802.11ac VHT80	80	8TX, 8RX
5.47-5.725GHz	802.11ax HEW80	80	8TX, 8RX

**For Radio 2**

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

Note:

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

1.1.2 Antenna Information

Ant. Set	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Support Band
	Radio 1 (TX/RX)	Radio 2 (RX)						
1	5	-	Cambium	5GHz 8x8 Sector Antenna	Sector	MCX	18	5GHz UNII1~3 and 4.9GHz
	6	-						
	7	-						
	8	-						
	1	-						
	2	1						
	3	2						
	4	-						
2	5	-	Cambium	5GHz Dipole Antenna	Dipole	MCX	2	5GHz UNII1, 3 and 4.9GHz
	6	-						
	7	-						
	8	-						
	1	-						
	2	1						
	3	2						
	4	-						

Note 1: The above information was declared by manufacturer.

For Radio 1:

For IEEE 802.11a/n/ac/ax (8TX/8RX):

Port 1, Port 2, Port 3, Port 4, Port 5, Port 6, Port 7 and Port 8 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3, Port 4, Port 5, Port 6, Port 7 and Port 8 could transmit/receive simultaneously.

For Radio 2:

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

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

Port 1 and Port 2 could receive simultaneously.

Note 2: The arrangement of antennas is MIMO with cross-polarized.

The vertical and horizontal antennas are well designed to be paired with H-V interlaced.

Thus, the array gain is 0dBi.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.948	0.23	1.976m	1k
802.11ax HEW20	0.951	0.22	5.446m	300
802.11ax HEW40	0.961	0.17	5.446m	300
802.11ax HEW80	0.951	0.22	5.446m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE or DC Power			
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz
Function	<input checked="" type="checkbox"/>	Outdoor P2M	<input type="checkbox"/>	Indoor P2M
	<input type="checkbox"/>	Fixed P2P	<input type="checkbox"/>	Client
TPC Function	<input checked="" type="checkbox"/>	With TPC	<input type="checkbox"/>	Without TPC
Test Software Version	QPST Configuration_v2.7、DOS [ver 6.1.7601]、QSPR_v5.0-00188			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Equipment Name / Model Name	Model Number	Description
ePMP 4500 5 GHz 8x8 Integrated Access Point Radio	C058940P122A	All the models are identical, the difference model served as marketing strategy.
ePMP 4500C 5GHz Access Point Radio	C058940P112A	

Note 1: From the above models, model: ePMP 4500 5 GHz 8x8 Integrated Access Point Radio was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.6 Table for EUT Wireless Function

Radio	Function
1	5GHz, 4.9GHz-Transmitter/Receiver function
2	5GHz (Scan Radio)-Only receiver function
3	GPS

Note: The above information was declared by manufacturer.



1.1.7 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR093027-01

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

Modifications	Performance Checking
Adding 5GHz UNII 2A, UNII 2C (5250~5350 MHz, 5470~5725 MHz) for Antenna Set 1 only.	1. Emission Bandwidth 2. Maximum Output Power 3. 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 Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.1~24.5 / 55~57	Sep. 24, 2021~ Nov. 05, 2021

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)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_8TX	-
5260MHz	-1
5300MHz	-1
5320MHz	-1
5500MHz	-1.5
5580MHz	-1
5700MHz	-1
802.11ax HEW20_Nss1,(MCS0)_8TX	-
5260MHz	-0.5
5300MHz	-0.5
5320MHz	-0.5
5500MHz	-1
5580MHz	-1
5700MHz	-1
802.11ax HEW40_Nss1,(MCS0)_8TX	-
5270MHz	1
5310MHz	1.5
5510MHz	1.5
5550MHz	1.5
5670MHz	1.5
802.11ax HEW80_Nss1,(MCS0)_8TX	-
5290MHz	1.5
5530MHz	1.5
5610MHz	-1

Note: Evaluated HEW20/HEW40/HEW80 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power Power Spectral Density Unwanted Emissions
Test Condition	Conducted measurement at transmit chains
1	EUT Radio 1 + Antenna Set 1

Note: The PoE below is for measurement only, would not be marketed.

The PoE information as below:

Support Unit	Brand	Model Number
PoE	Cambium	NET-P60-56IN

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	NB	DELL	E4300	N/A
B	PoE	Cambium	NET-P60-56IN	N/A



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
<input type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz.
<input type="checkbox"/>	For the 5.85-5.895 GHz band, 6 dB emission bandwidth \geq 500kHz.
LE-LAN Devices	
<input type="checkbox"/>	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.
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz.

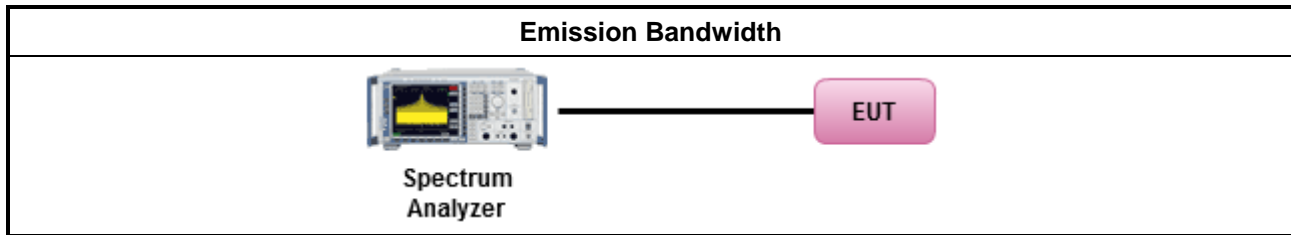
3.1.2 Measuring Instruments

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:	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input type="checkbox"/>	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 Output Power

3.2.1 Limit

Maximum Output Power Limit	
UNII Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none">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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none">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.
Maximum EIRP Limit	
<input type="checkbox"/> For the 5.85-5.895 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none">Indoor AP & subordinate device < 36 dBmClient device < 30 dBm
LE-LAN Devices	
<input type="checkbox"/>	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.
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none">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.

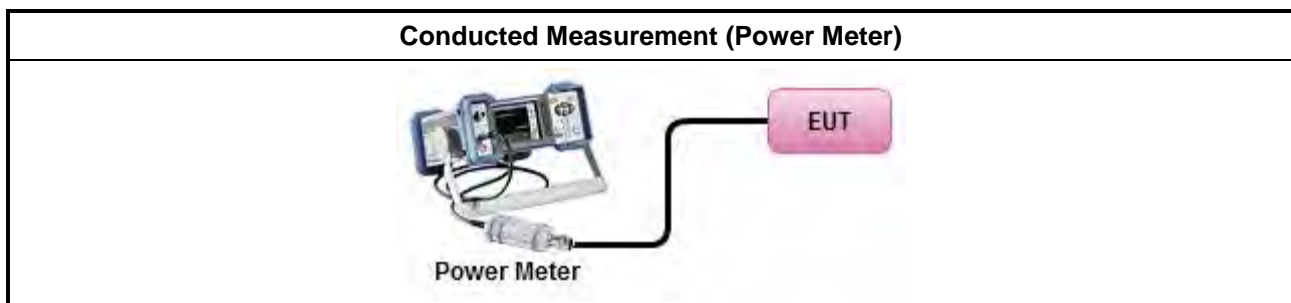
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
	Average over on/off periods with duty factor
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, 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
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> 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.
	<ul style="list-style-type: none"> 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]) $EIRP_{total} = P_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Output Power

Refer as Appendix B

3.3 Power Spectral Density

3.3.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> 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 $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> 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.
EIRP Power Spectral Density Limit	
<input type="checkbox"/> For the 5.85-5.895 GHz band:	
	<ul style="list-style-type: none"> Indoor AP & subordinate device < 20dBm/MHz Client device < 14dBm/MHz
LE-LAN Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	<ul style="list-style-type: none"> 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 $0^\circ \leq \theta < 8^\circ$; $-13 - 0.716 (\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22 (\theta - 40)$ dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> 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

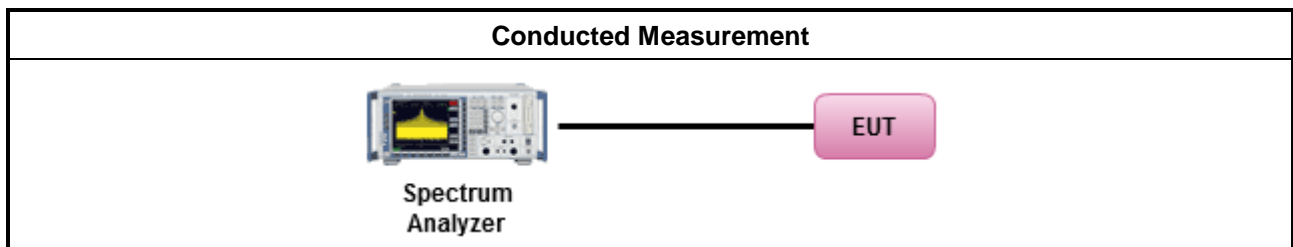
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none">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:	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input checked="" type="checkbox"/> For conducted measurement.	
<ul style="list-style-type: none">If the EUT supports multiple transmit chains using options given below:	
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	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,
<input type="checkbox"/>	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.
<ul style="list-style-type: none">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])	

Test Method	
	$EIRP_{total} = PPSD_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	<ul style="list-style-type: none"> Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup



3.3.5 Test Result of 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
<input type="checkbox"/> 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m @3m]
<input checked="" type="checkbox"/> 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m @3m]
<input checked="" type="checkbox"/> 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m @3m]
<input type="checkbox"/> 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.
<input type="checkbox"/> 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of -7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an



	e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
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.

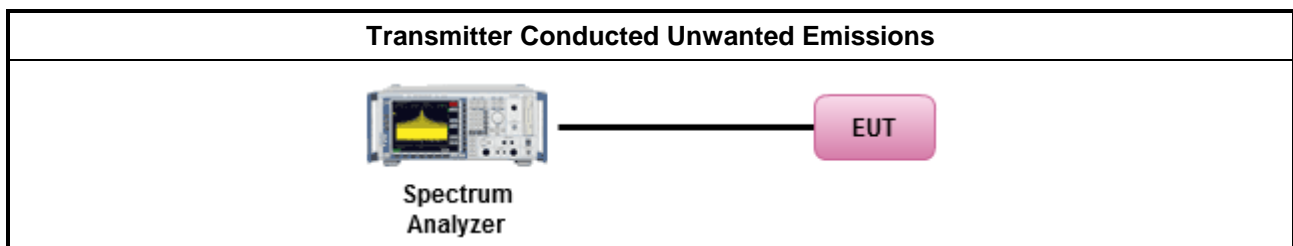
3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none">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).	
<ul style="list-style-type: none">The average emission levels shall be measured in [duty cycle \geq 98 or duty factor].	
<ul style="list-style-type: none">For the transmitter unwanted emissions shall be measured using following options below:	
<ul style="list-style-type: none">For radiated measurement.	<ul style="list-style-type: none">Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	<ul style="list-style-type: none">Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
<ul style="list-style-type: none">The any unwanted emissions level shall not exceed the fundamental emission level.	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.

Test Method
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> For conducted and cabinet radiation measurement, refer as FCC KDB 789033 D02, clause G)3).
<ul style="list-style-type: none"> 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.
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 31, 2020	Dec. 30, 2021	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR 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)_8TX	19.98M	16.612M	16M6D1D	19.11M	16.372M
802.11ax HEW20_Nss1,(MCS0)_8TX	21.72M	19.04M	19MOD1D	20.58M	18.801M
802.11ax HEW40_Nss1,(MCS0)_8TX	41.34M	38.081M	38M1D1D	40.38M	37.661M
802.11ax HEW80_Nss1,(MCS0)_8TX	82.68M	77.481M	77M5D1D	81.6M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	20.25M	16.672M	16M7D1D	19.08M	16.372M
802.11ax HEW20_Nss1,(MCS0)_8TX	21.54M	19.1M	19M1D1D	20.7M	18.861M
802.11ax HEW40_Nss1,(MCS0)_8TX	41.22M	38.141M	38M1D1D	40.56M	37.661M
802.11ax HEW80_Nss1,(MCS0)_8TX	83.16M	77.961M	78MOD1D	81.36M	76.882M

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

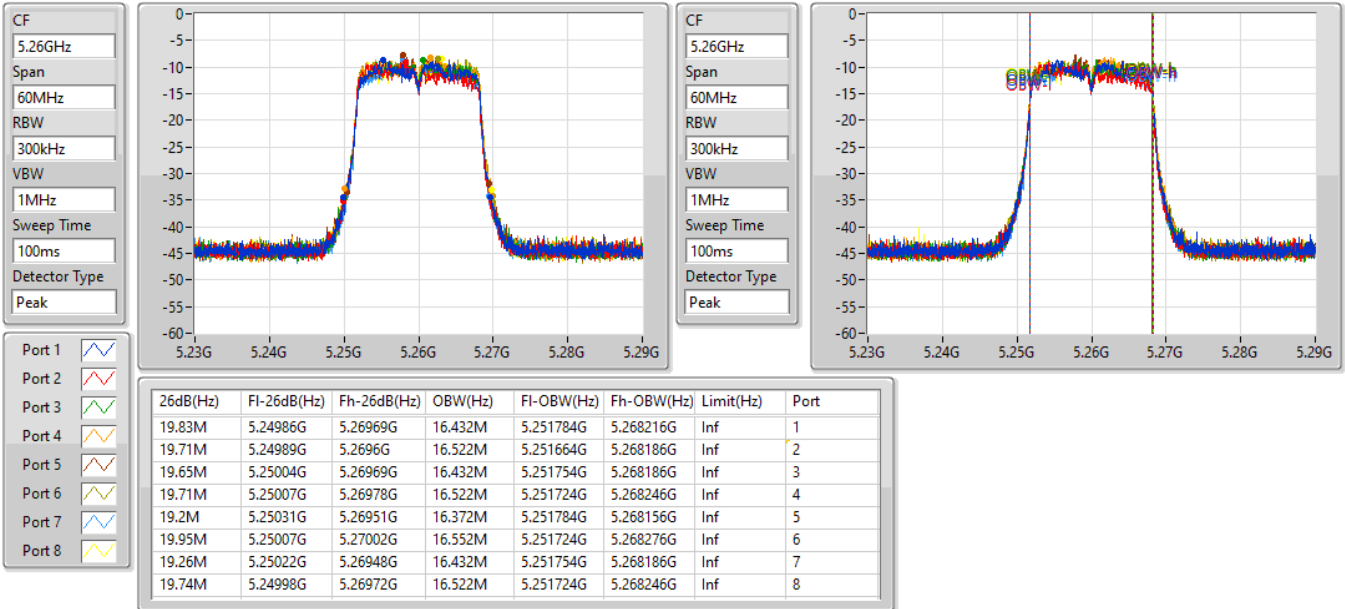
**Result**

Mode	Result	Limit	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)	Port 5-N dB (Hz)	Port 5-OBW (Hz)	Port 6-N dB (Hz)	Port 6-OBW (Hz)	Port 7-N dB (Hz)	Port 7-OBW (Hz)	Port 8-N dB (Hz)	Port 8-OBW (Hz)
802.11a_Nss1,(6Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	19.83M	16.432M	19.71M	16.522M	19.65M	16.432M	19.71M	16.522M	19.2M	16.372M	19.95M	16.552M	19.26M	16.432M	19.74M	16.522M
5300MHz	Pass	Inf	19.35M	16.522M	19.56M	16.582M	19.71M	16.552M	19.74M	16.552M	19.32M	16.462M	19.8M	16.552M	19.11M	16.402M	19.65M	16.522M
5320MHz	Pass	Inf	19.8M	16.552M	19.89M	16.612M	19.83M	16.552M	19.98M	16.582M	19.92M	16.462M	19.47M	16.552M	19.2M	16.432M	19.83M	16.492M
5500MHz	Pass	Inf	19.83M	16.522M	19.17M	16.372M	19.71M	16.462M	20.01M	16.582M	19.53M	16.462M	19.08M	16.372M	19.5M	16.432M	19.65M	16.492M
5580MHz	Pass	Inf	20.25M	16.552M	19.2M	16.522M	19.35M	16.462M	19.41M	16.462M	20.01M	16.552M	19.5M	16.522M	19.23M	16.402M	19.53M	16.462M
5700MHz	Pass	Inf	19.5M	16.612M	19.95M	16.672M	19.29M	16.432M	19.23M	16.402M	19.17M	16.432M	19.65M	16.522M	19.65M	16.462M	19.53M	16.522M
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.18M	18.981M	21.18M	18.951M	20.97M	18.921M	20.94M	18.861M	21.3M	19.01M	21.12M	18.891M	20.7M	18.801M	21.33M	19.04M
5300MHz	Pass	Inf	21.33M	18.951M	21.3M	18.981M	21.06M	18.861M	20.94M	18.831M	21.33M	19.01M	20.97M	18.861M	20.85M	18.831M	21.48M	19.01M
5320MHz	Pass	Inf	20.58M	18.891M	21.21M	19.01M	20.88M	18.891M	20.82M	18.861M	20.91M	18.921M	20.79M	18.861M	21.24M	18.861M	21.72M	19.01M
5500MHz	Pass	Inf	21.09M	18.951M	20.85M	18.861M	21.3M	19.01M	21M	18.861M	21.18M	19.01M	20.7M	18.861M	21.03M	18.951M	21.27M	18.981M
5580MHz	Pass	Inf	21.24M	18.981M	21.21M	18.921M	21.45M	18.951M	21.27M	18.921M	21.09M	18.861M	21.15M	18.951M	21.15M	18.861M	20.91M	18.891M
5700MHz	Pass	Inf	21.48M	18.861M	21.54M	19.04M	21.45M	19.1M	21.12M	18.951M	21.54M	18.981M	21.09M	18.921M	21M	18.921M	21.15M	18.981M
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.86M	37.781M	41.34M	37.901M	40.56M	38.081M	40.86M	38.021M	40.98M	37.901M	40.68M	37.721M	40.56M	38.021M	40.62M	37.841M
5310MHz	Pass	Inf	40.92M	37.781M	40.38M	37.661M	40.5M	37.841M	40.56M	37.961M	40.92M	37.901M	40.68M	37.781M	40.98M	38.021M	40.92M	37.961M
5510MHz	Pass	Inf	40.86M	37.901M	41.22M	38.081M	40.56M	38.081M	40.74M	37.961M	40.8M	37.961M	40.86M	38.081M	40.86M	38.141M	40.98M	37.961M
5550MHz	Pass	Inf	40.8M	37.961M	40.56M	37.661M	40.56M	38.081M	40.8M	37.901M	40.8M	37.841M	40.68M	38.021M	40.8M	38.081M	40.92M	38.081M
5670MHz	Pass	Inf	40.62M	37.781M	40.86M	37.721M	40.86M	37.961M	40.92M	37.961M	40.68M	37.901M	40.74M	37.901M	40.86M	37.841M	40.8M	38.021M
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.56M	77.361M	82.68M	77.001M	81.96M	77.361M	82.32M	77.481M	81.72M	77.241M	81.6M	77.001M	82.08M	77.361M	82.2M	77.361M
5530MHz	Pass	Inf	82.08M	77.241M	81.96M	76.882M	82.08M	77.241M	82.8M	77.361M	81.72M	77.361M	81.84M	77.601M	81.36M	77.601M	82.32M	77.121M
5610MHz	Pass	Inf	82.44M	77.721M	81.72M	77.721M	82.68M	77.841M	81.72M	77.721M	82.68M	77.601M	82.44M	77.481M	82.32M	77.241M	83.16M	77.961M

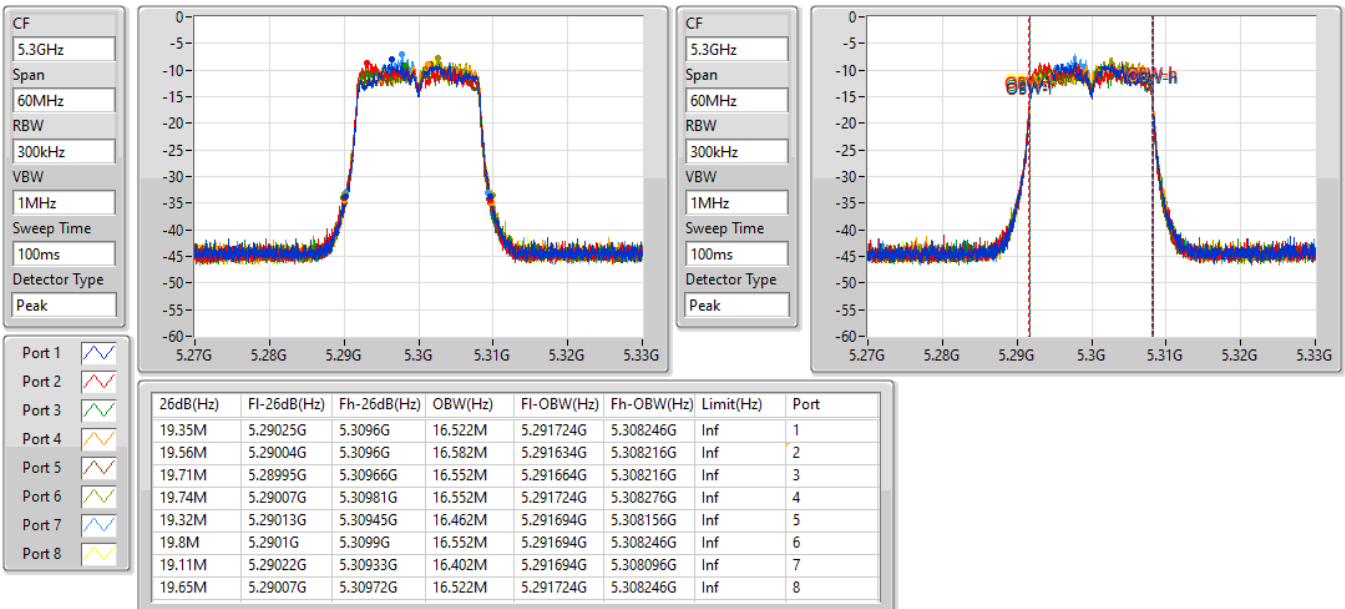
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_8TX
EBW
5260MHz

29/09/2021

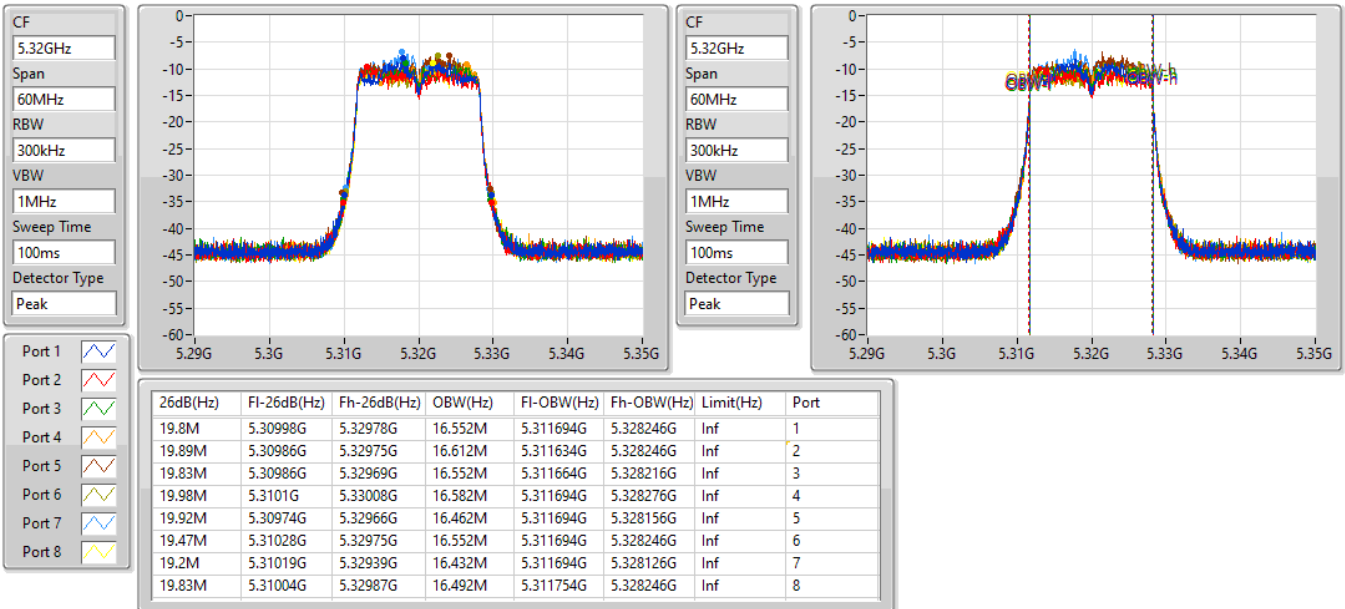

802.11a_Nss1,(6Mbps)_8TX
EBW
5300MHz

29/09/2021

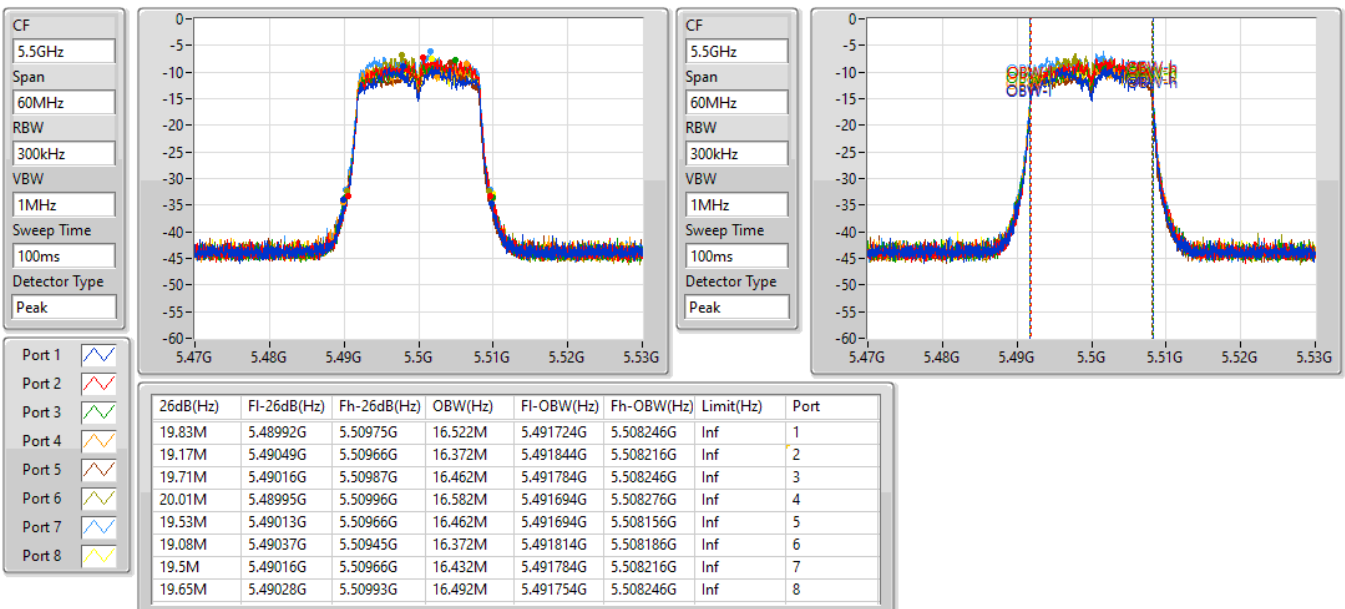


802.11a_Nss1,(6Mbps)_8TX
EBW
5320MHz

29/09/2021

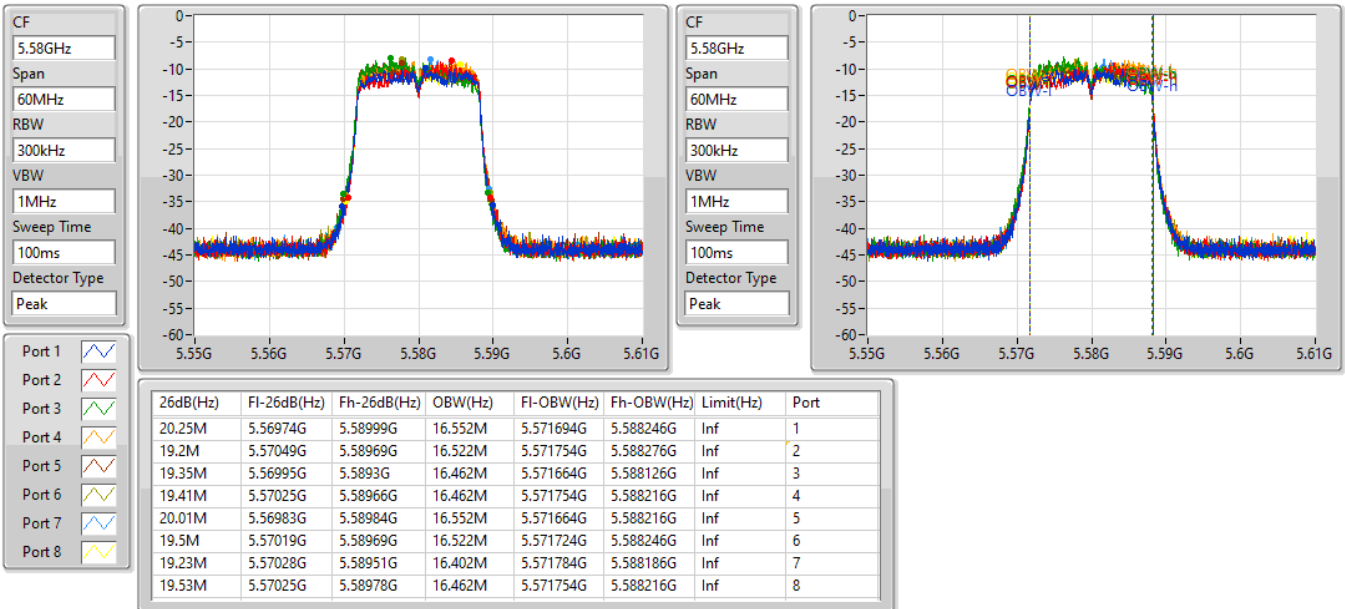

802.11a_Nss1,(6Mbps)_8TX
EBW
5500MHz

29/09/2021

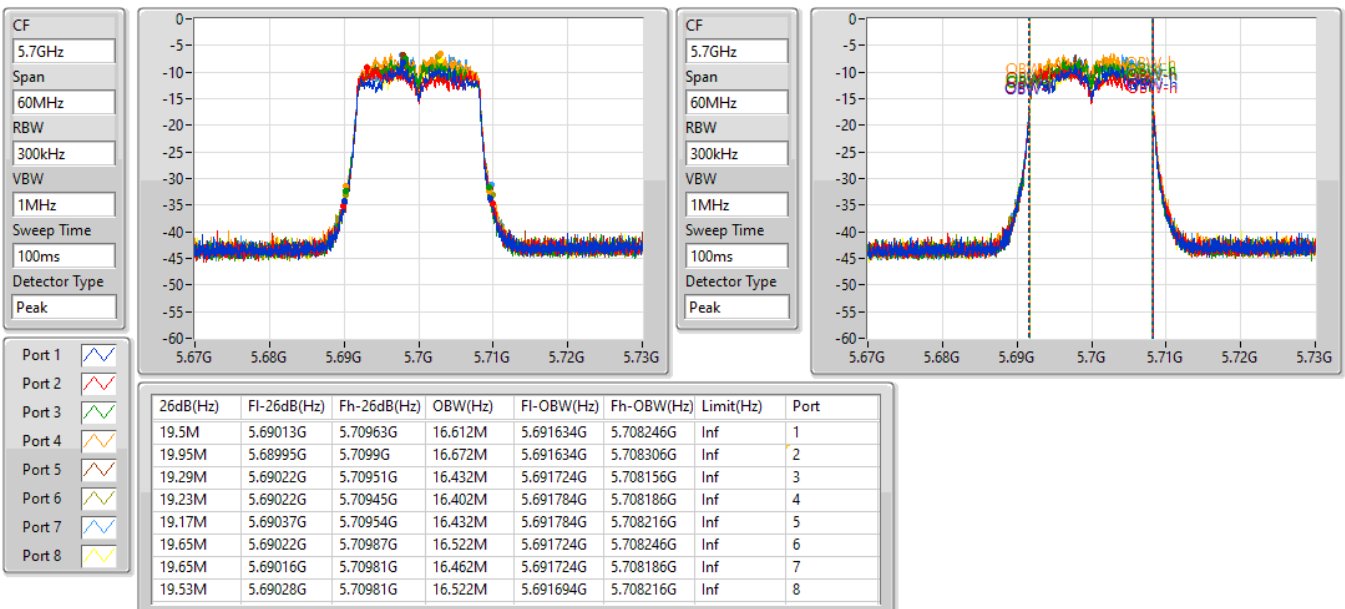


802.11a_Nss1,(6Mbps)_8TX
EBW
5580MHz

29/09/2021

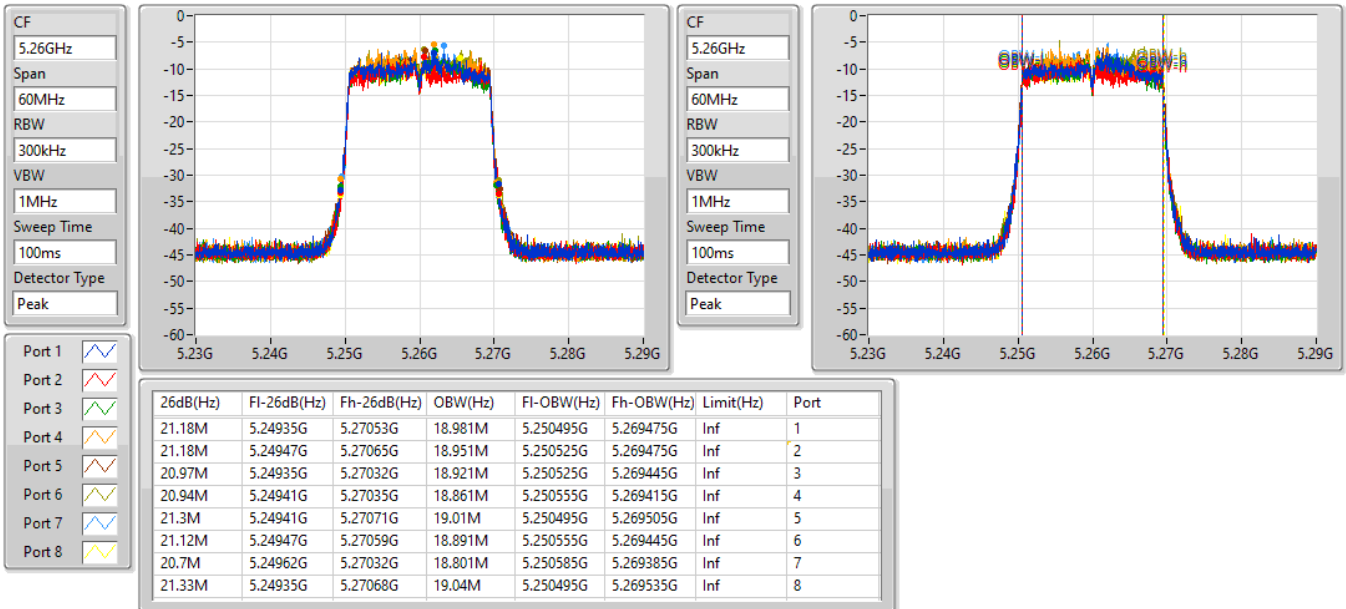

802.11a_Nss1,(6Mbps)_8TX
EBW
5700MHz

29/09/2021

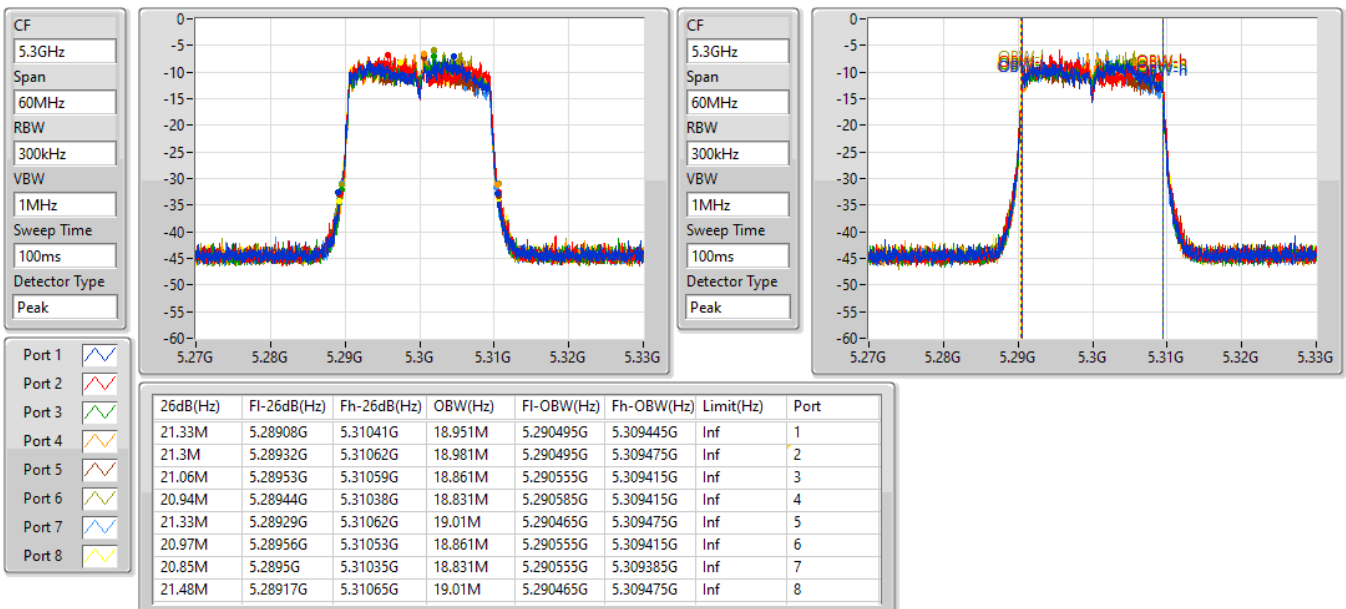


802.11ax HEW20_Nss1,(MCS0)_8TX
EBW
5260MHz

29/09/2021

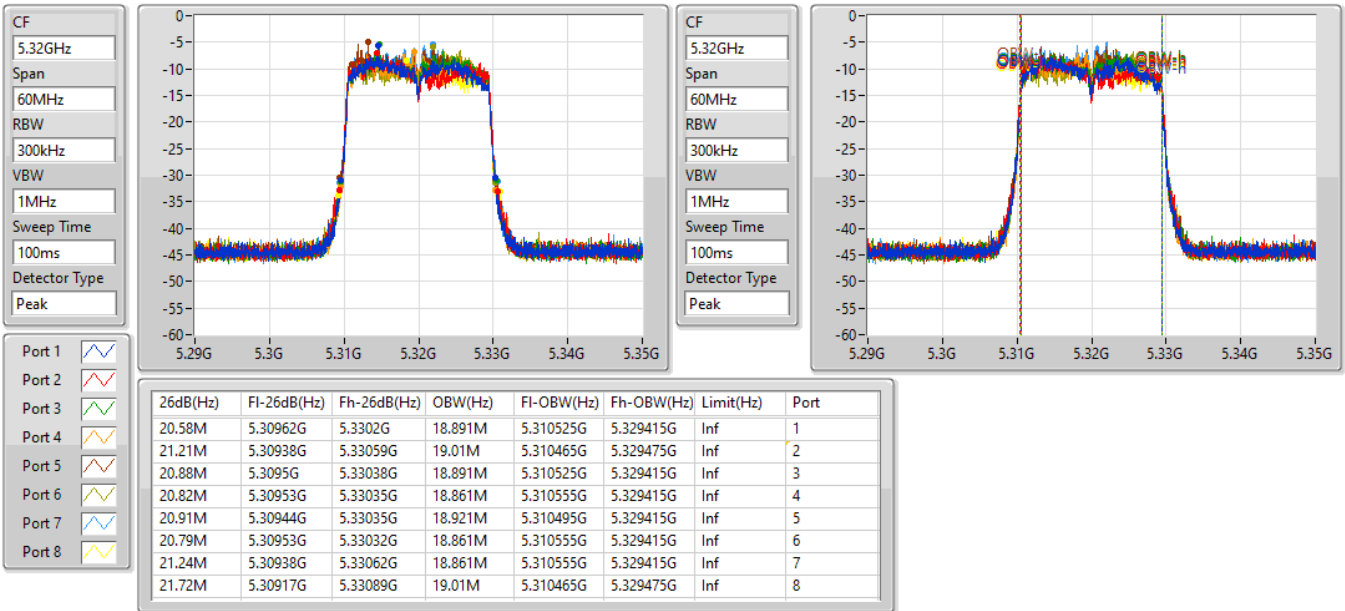

802.11ax HEW20_Nss1,(MCS0)_8TX
EBW
5300MHz

29/09/2021

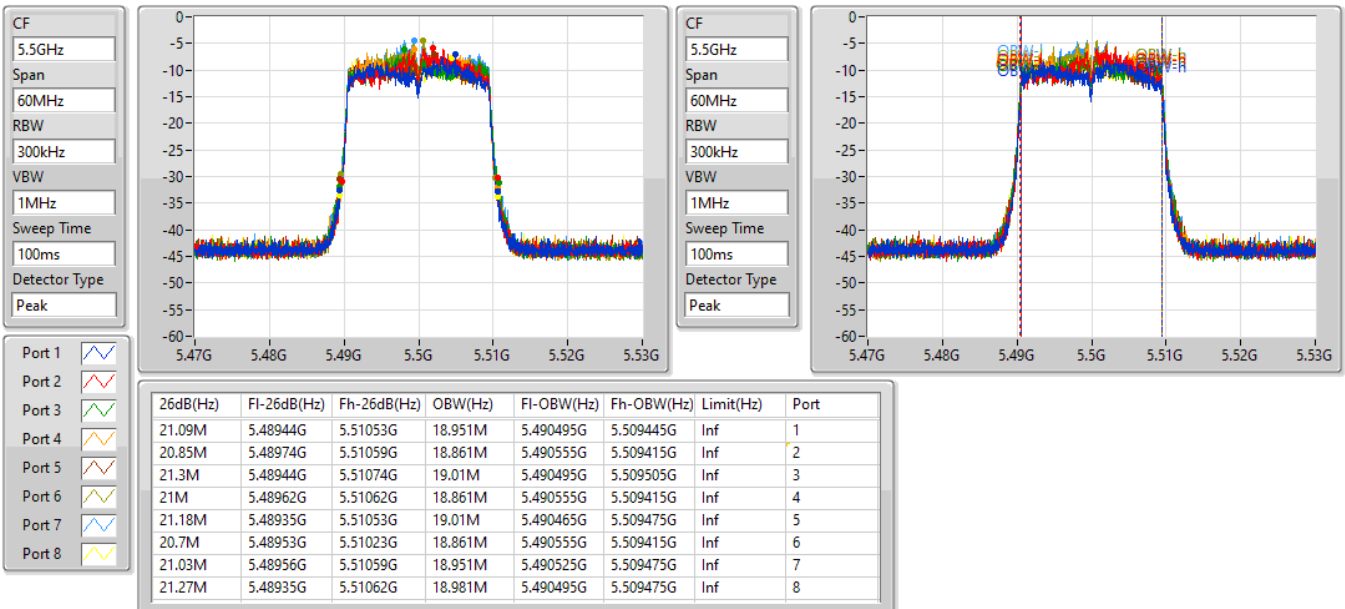


802.11ax HEW20_Nss1,(MCS0)_8TX
EBW
5320MHz

29/09/2021

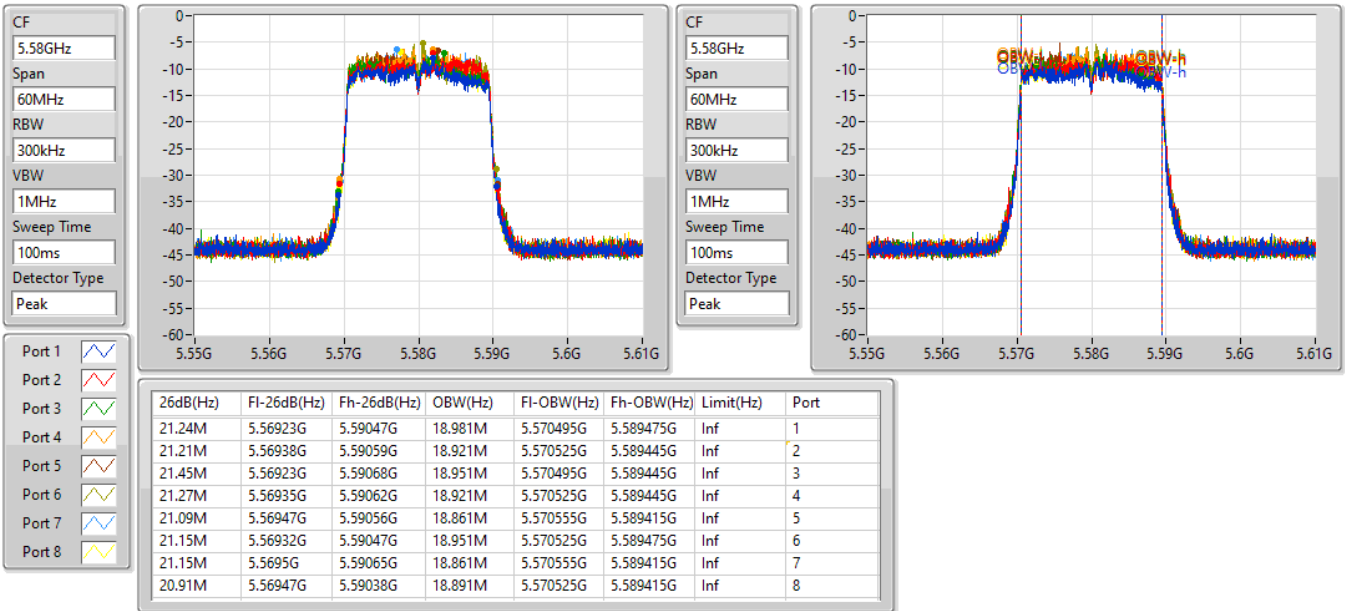

802.11ax HEW20_Nss1,(MCS0)_8TX
EBW
5500MHz

29/09/2021

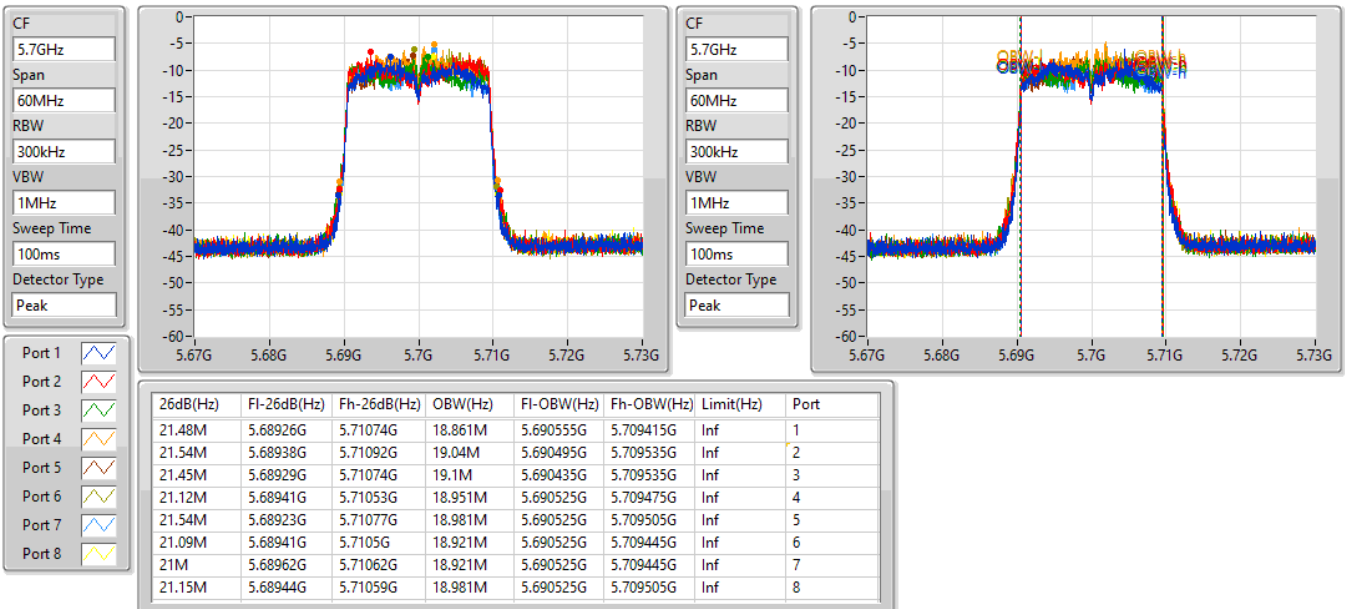


802.11ax HEW20_Nss1,(MCS0)_8TX
EBW
5580MHz

29/09/2021

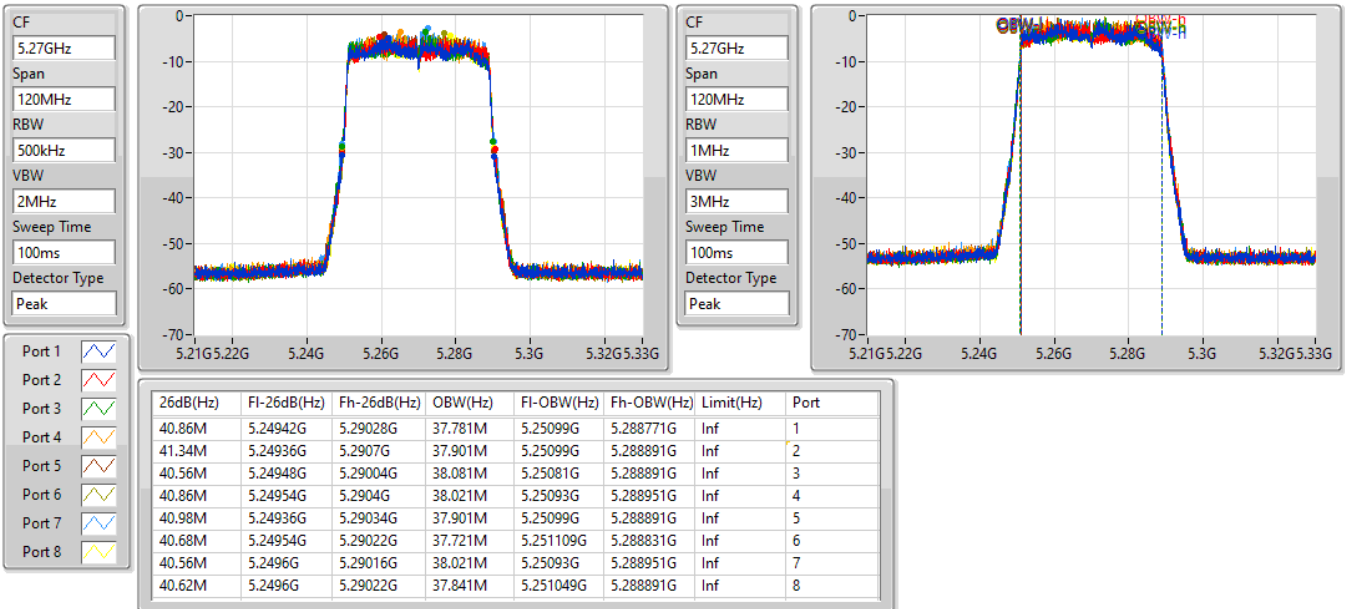

802.11ax HEW20_Nss1,(MCS0)_8TX
EBW
5700MHz

29/09/2021

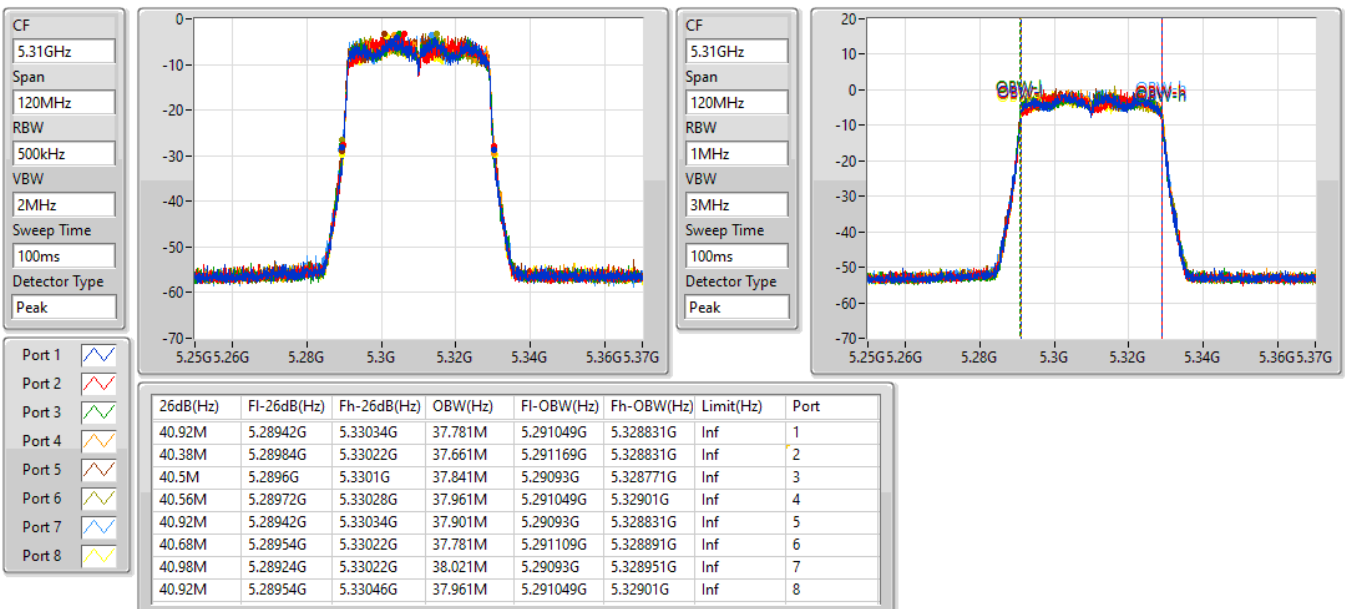


802.11ax HEW40_Nss1,(MCS0)_8TX
EBW
5270MHz

29/09/2021

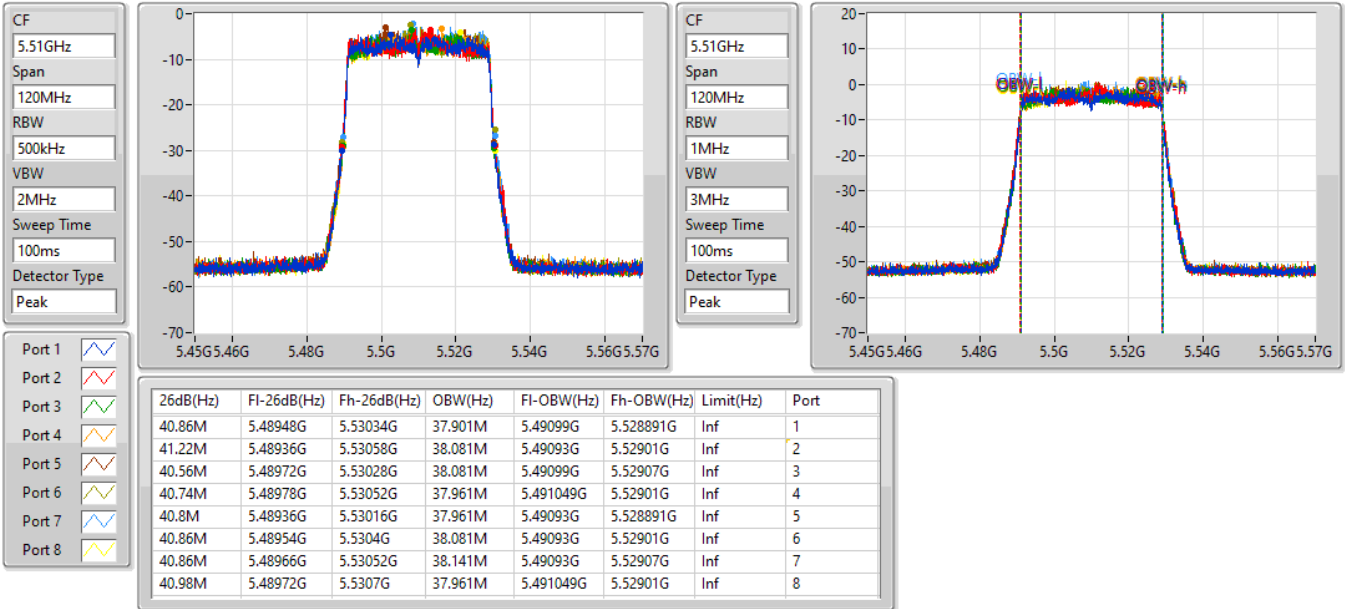

802.11ax HEW40_Nss1,(MCS0)_8TX
EBW
5310MHz

29/09/2021



802.11ax HEW40_Nss1,(MCS0)_8TX
EBW
5510MHz

29/09/2021

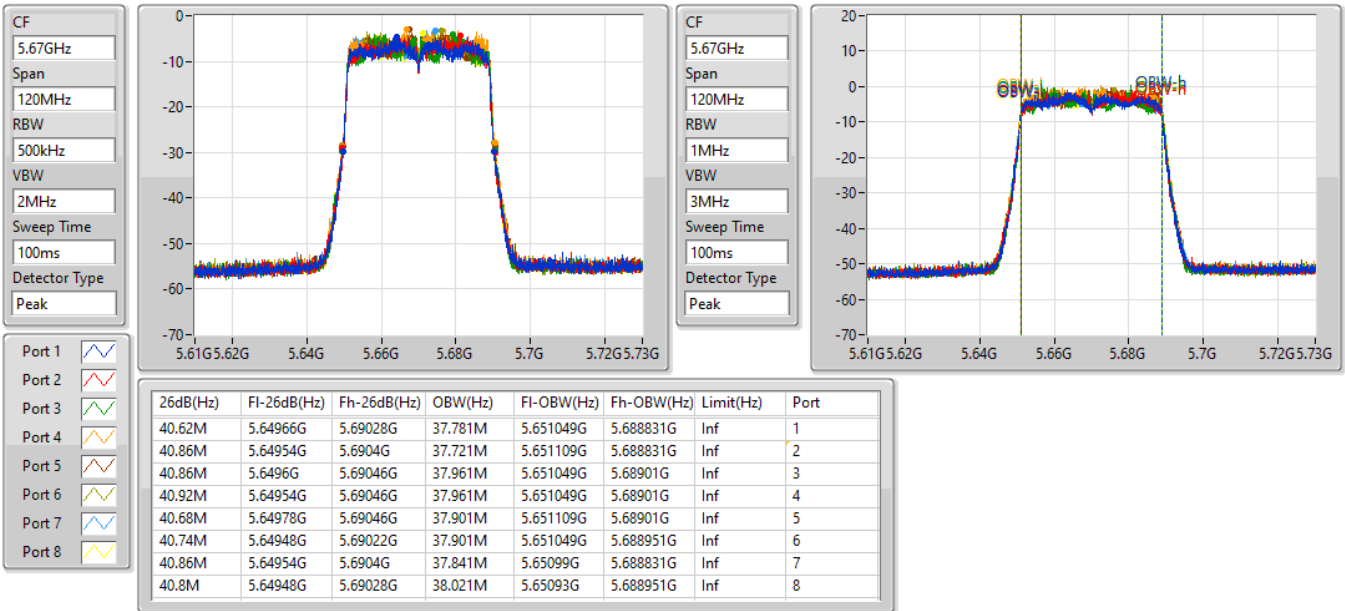

802.11ax HEW40_Nss1,(MCS0)_8TX
EBW
5550MHz

29/09/2021

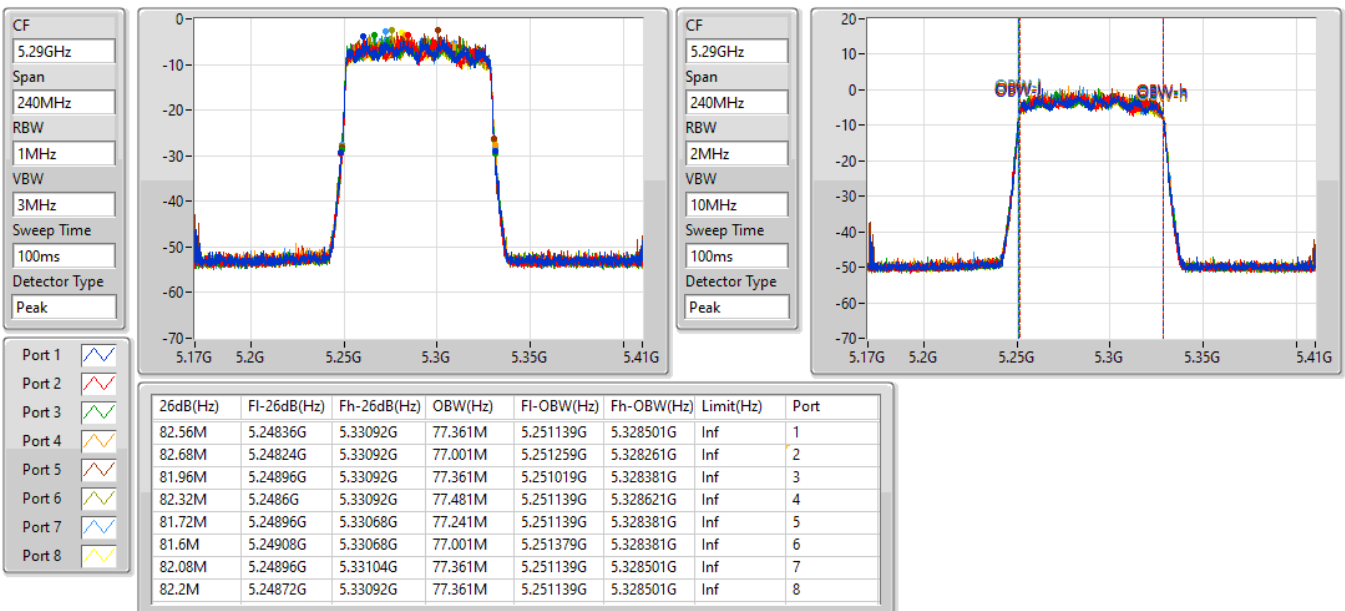


802.11ax HEW40_Nss1,(MCS0)_8TX
EBW
5670MHz

29/09/2021

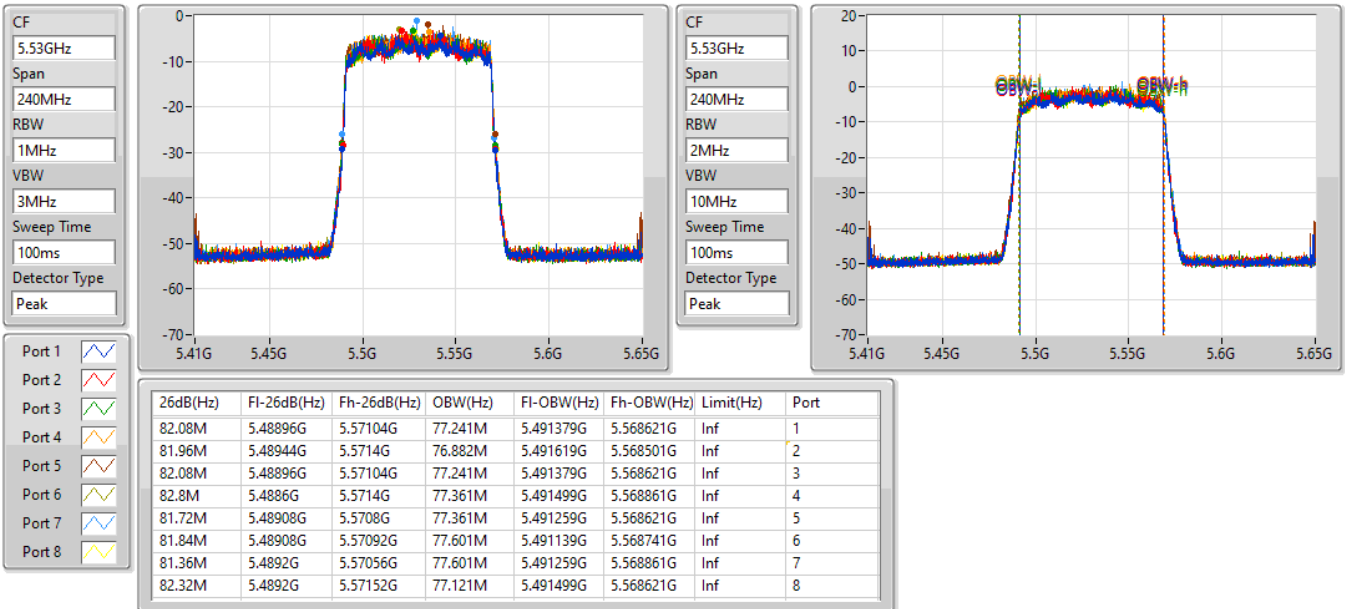

802.11ax HEW80_Nss1,(MCS0)_8TX
EBW
5290MHz

29/09/2021

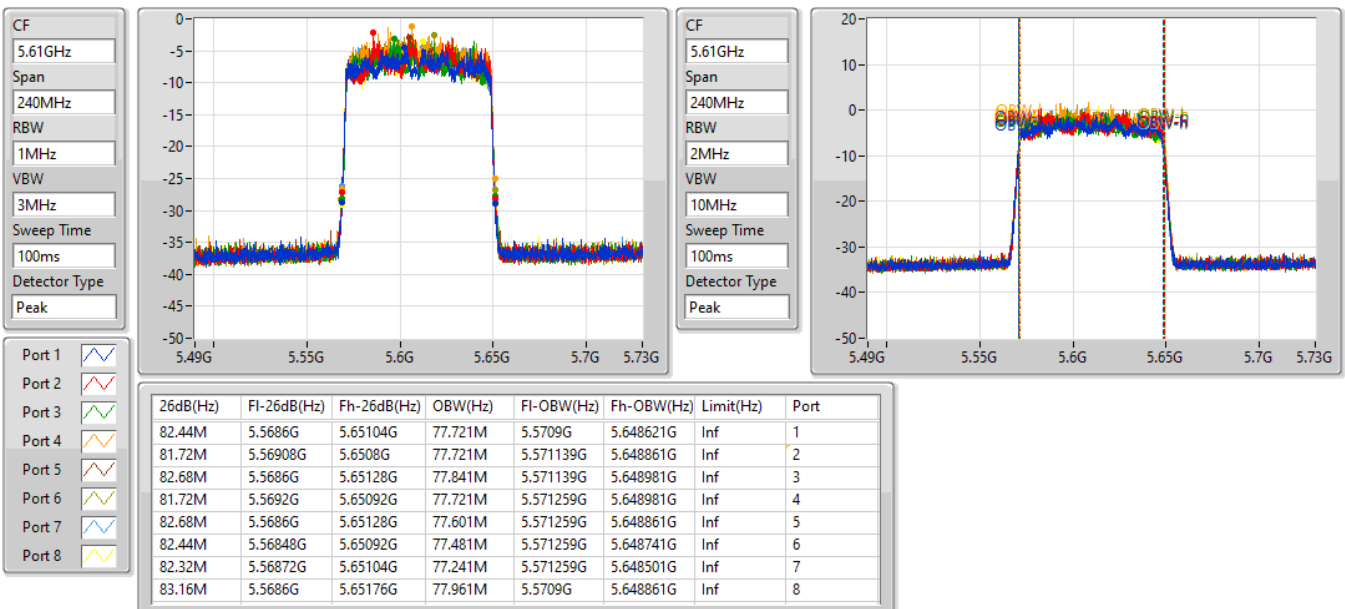


802.11ax HEW80_Nss1,(MCS0)_8TX
EBW
5530MHz

29/09/2021


802.11ax HEW80_Nss1,(MCS0)_8TX
EBW
5610MHz

05/11/2021



Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_8TX	8.50	0.00708
802.11ax HEW20_Nss1,(MCS0)_8TX	8.49	0.00706
802.11ax HEW40_Nss1,(MCS0)_8TX	11.96	0.01570
802.11ax HEW80_Nss1,(MCS0)_8TX	11.59	0.01442
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_8TX	8.67	0.00736
802.11ax HEW20_Nss1,(MCS0)_8TX	8.78	0.00755
802.11ax HEW40_Nss1,(MCS0)_8TX	11.95	0.01567
802.11ax HEW80_Nss1,(MCS0)_8TX	11.72	0.01486

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Port 5 (dBm)	Port 6 (dBm)	Port 7 (dBm)	Port 8 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	21.00	-0.58	-1.47	-0.73	-0.15	-0.42	-0.09	-1.23	-0.97	8.35	8.83
5300MHz	Pass	21.00	-0.80	-0.64	-1.12	-0.73	-1.24	-0.08	-0.17	-0.69	8.36	8.81
5320MHz	Pass	21.00	-0.64	-1.03	-0.98	-1.05	0.33	-0.45	0.23	-0.91	8.50	8.83
5500MHz	Pass	21.00	-0.89	-0.05	-0.24	-1.00	-0.66	-0.18	-0.05	-0.59	8.59	8.81
5580MHz	Pass	21.00	-1.28	-0.79	-0.03	-0.19	0.33	0.18	-0.72	-0.63	8.67	8.83
5700MHz	Pass	21.00	-1.18	-1.25	-0.18	0.56	-0.57	-0.13	-1.03	-0.68	8.51	8.83
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	21.00	-0.80	-1.11	-1.09	-0.21	-0.68	-0.14	-0.45	-0.51	8.42	8.98
5300MHz	Pass	21.00	-0.61	-0.88	-0.96	-0.76	-0.09	-0.28	-0.27	-0.98	8.44	8.98
5320MHz	Pass	21.00	-0.74	-1.09	-0.20	-0.90	0.22	-0.76	0.23	-1.34	8.49	8.98
5500MHz	Pass	21.00	-1.28	-0.22	-0.39	-0.17	-0.90	0.26	0.65	-0.71	8.73	8.98
5580MHz	Pass	21.00	-1.11	-0.69	-0.80	-0.31	-0.08	0.02	-0.68	-0.90	8.48	8.98
5700MHz	Pass	21.00	-1.17	-0.98	-0.31	0.51	-0.37	0.12	0.36	-0.49	8.78	8.98
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	18.00	2.25	2.54	2.45	2.64	2.69	2.91	2.98	2.07	11.61	11.98
5310MHz	Pass	18.00	2.75	2.85	2.82	2.93	3.26	3.08	3.17	2.52	11.96	11.98
5510MHz	Pass	18.00	2.43	2.68	2.56	2.73	3.33	3.01	3.76	2.67	11.95	11.98
5550MHz	Pass	18.00	2.14	2.59	2.49	3.16	3.11	2.93	3.35	2.46	11.83	11.98
5670MHz	Pass	18.00	2.22	2.31	2.45	3.58	3.06	3.16	2.72	2.32	11.78	11.98
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	18.00	2.28	2.56	2.49	2.62	2.75	2.79	2.85	2.10	11.59	11.98
5530MHz	Pass	18.00	2.08	2.57	2.47	2.84	2.95	2.89	3.29	2.33	11.72	11.98
5610MHz	Pass	18.00	-1.09	-0.71	-0.71	-0.39	-0.99	0.09	-1.00	-0.93	8.33	11.98

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



Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_8TX	-4.35
802.11ax HEW20_Nss1,(MCS0)_8TX	-4.47
802.11ax HEW40_Nss1,(MCS0)_8TX	-3.84
802.11ax HEW80_Nss1,(MCS0)_8TX	-7.31
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_8TX	-4.06
802.11ax HEW20_Nss1,(MCS0)_8TX	-4.37
802.11ax HEW40_Nss1,(MCS0)_8TX	-3.98
802.11ax HEW80_Nss1,(MCS0)_8TX	-7.23

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	18.00	-12.77	-13.17	-13.10	-12.34	-12.21	-12.70	-12.99	-13.32	-4.42	-1.00
5300MHz	Pass	18.00	-12.61	-12.77	-13.64	-13.35	-13.06	-12.36	-11.95	-13.23	-4.51	-1.00
5320MHz	Pass	18.00	-12.35	-13.67	-13.57	-13.56	-11.89	-12.13	-11.25	-13.37	-4.35	-1.00
5500MHz	Pass	18.00	-12.96	-12.39	-12.45	-13.56	-12.94	-12.01	-12.01	-13.03	-4.06	-1.00
5580MHz	Pass	18.00	-13.83	-12.73	-11.97	-12.54	-12.31	-11.80	-12.52	-13.09	-4.09	-1.00
5700MHz	Pass	18.00	-13.13	-13.96	-12.58	-11.50	-12.54	-12.32	-12.80	-12.68	-4.21	-1.00
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	18.00	-13.53	-14.66	-13.39	-12.74	-13.46	-13.07	-12.75	-14.52	-5.03	-1.00
5300MHz	Pass	18.00	-13.46	-12.63	-12.67	-13.67	-12.59	-12.02	-12.17	-13.88	-4.47	-1.00
5320MHz	Pass	18.00	-13.47	-13.74	-13.08	-14.12	-12.77	-12.77	-12.39	-14.40	-4.81	-1.00
5500MHz	Pass	18.00	-14.03	-12.40	-12.99	-13.25	-13.76	-12.22	-11.38	-13.88	-4.37	-1.00
5580MHz	Pass	18.00	-14.54	-13.85	-13.62	-13.09	-12.89	-13.16	-12.68	-13.62	-4.80	-1.00
5700MHz	Pass	18.00	-13.80	-12.98	-13.67	-11.97	-12.59	-12.45	-11.59	-13.31	-4.46	-1.00
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	18.00	-13.65	-13.54	-12.89	-13.07	-12.99	-12.58	-12.36	-13.36	-4.80	-1.00
5310MHz	Pass	18.00	-12.75	-12.42	-12.63	-12.63	-12.20	-12.00	-12.18	-12.80	-3.84	-1.00
5510MHz	Pass	18.00	-13.32	-12.09	-13.04	-12.79	-12.23	-12.15	-11.04	-12.91	-3.98	-1.00
5550MHz	Pass	18.00	-13.72	-13.16	-12.95	-12.46	-12.56	-12.79	-11.85	-13.32	-4.21	-1.00
5670MHz	Pass	18.00	-13.47	-13.49	-12.77	-12.32	-12.40	-12.17	-11.97	-13.22	-4.53	-1.00
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	18.00	-16.30	-16.08	-15.79	-16.09	-15.59	-15.22	-15.37	-15.76	-7.31	-1.00
5530MHz	Pass	18.00	-16.52	-15.81	-15.63	-15.78	-15.67	-15.56	-14.70	-16.04	-7.23	-1.00
5610MHz	Pass	18.00	-19.78	-18.84	-19.08	-19.09	-19.23	-18.57	-19.34	-19.47	-10.75	-1.00

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

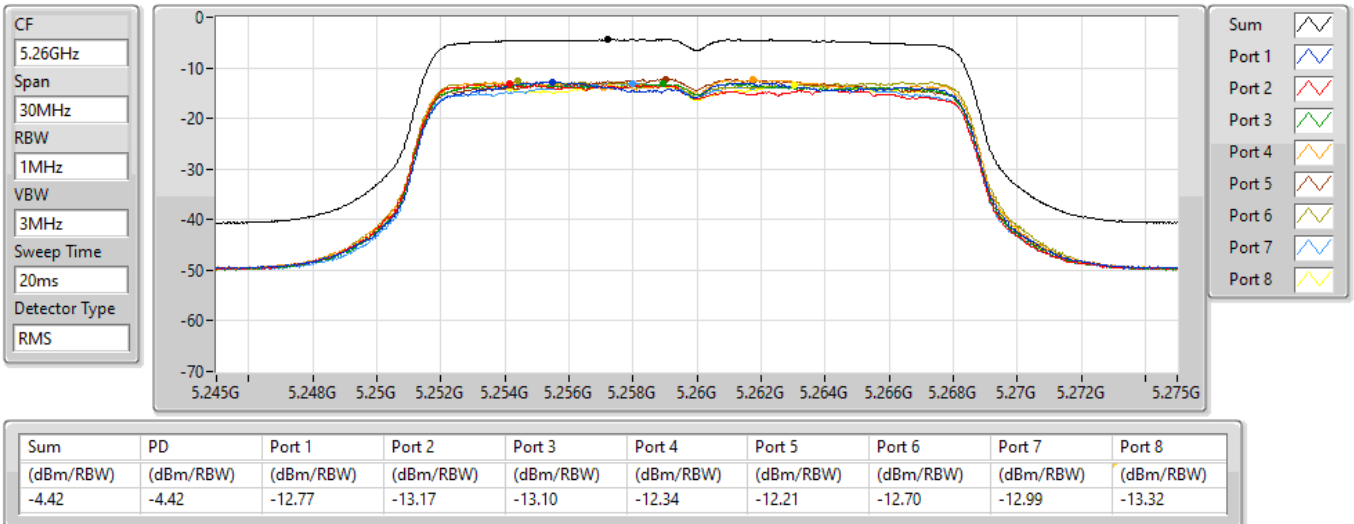
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_8TX

5260MHz

PSD

29/09/2021

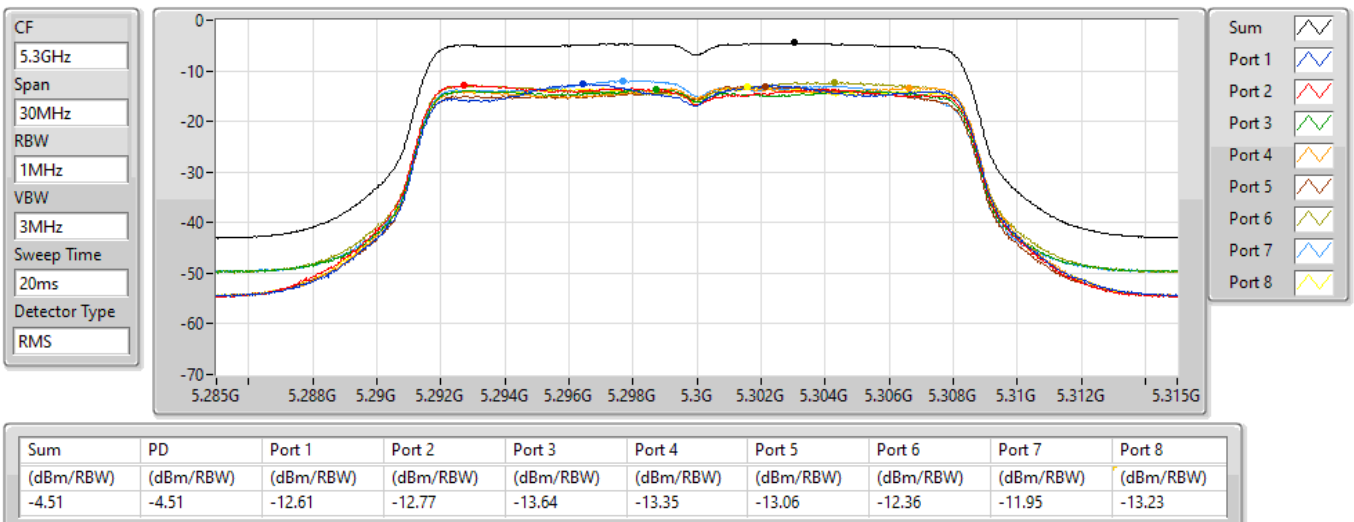


802.11a_Nss1,(6Mbps)_8TX

5300MHz

PSD

29/09/2021

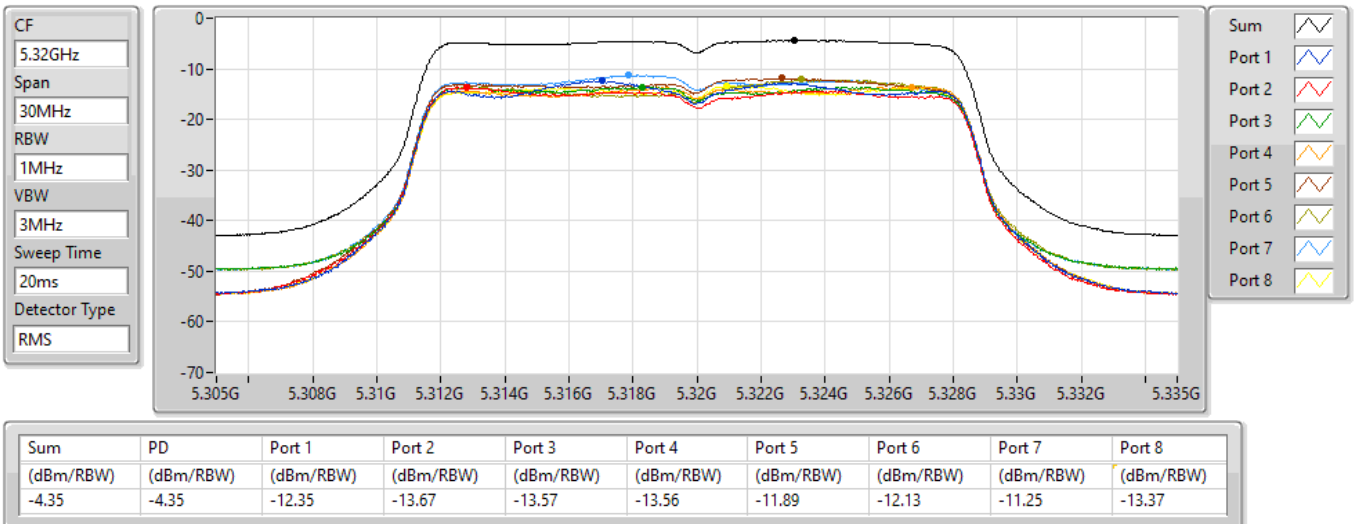


802.11a_Nss1,(6Mbps)_8TX

5320MHz

PSD

29/09/2021

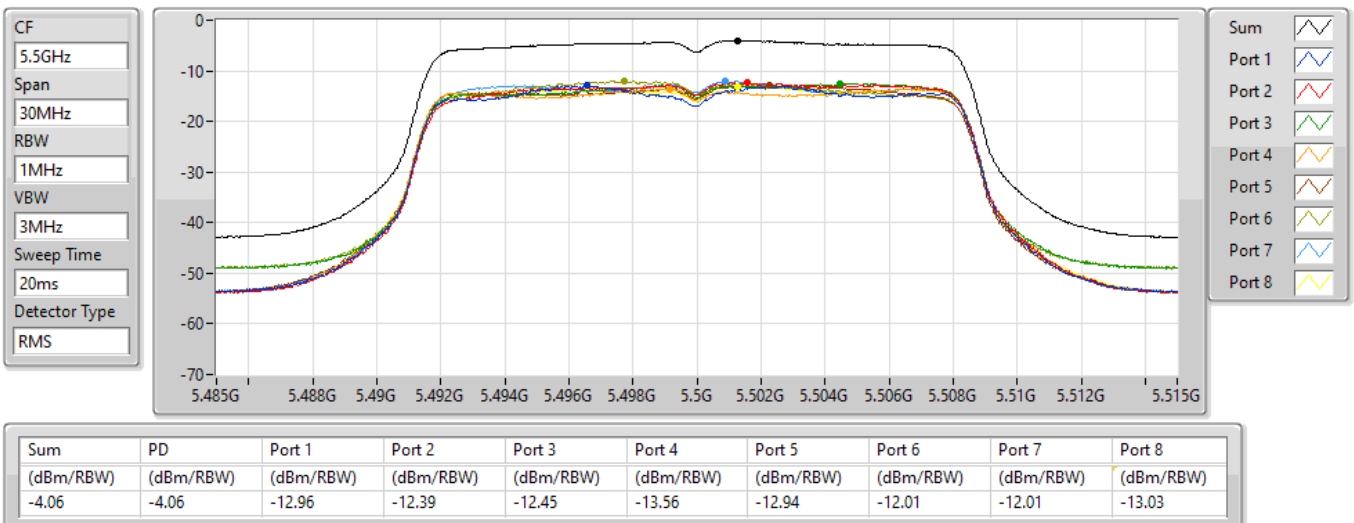


802.11a_Nss1,(6Mbps)_8TX

5500MHz

PSD

29/09/2021

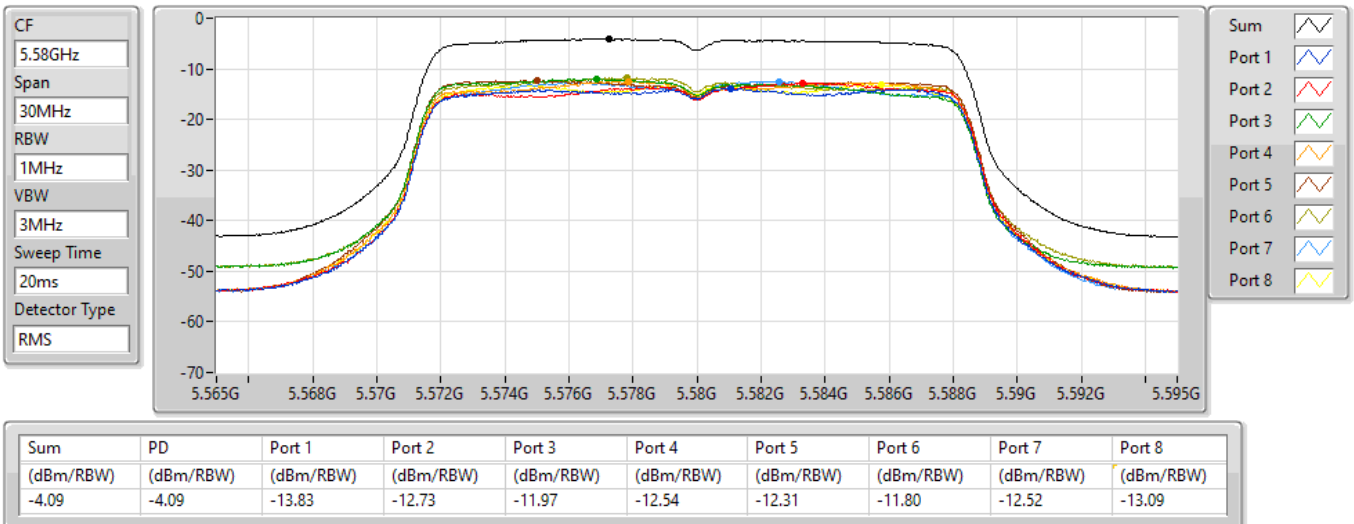


802.11a_Nss1,(6Mbps)_8TX

5580MHz

PSD

29/09/2021

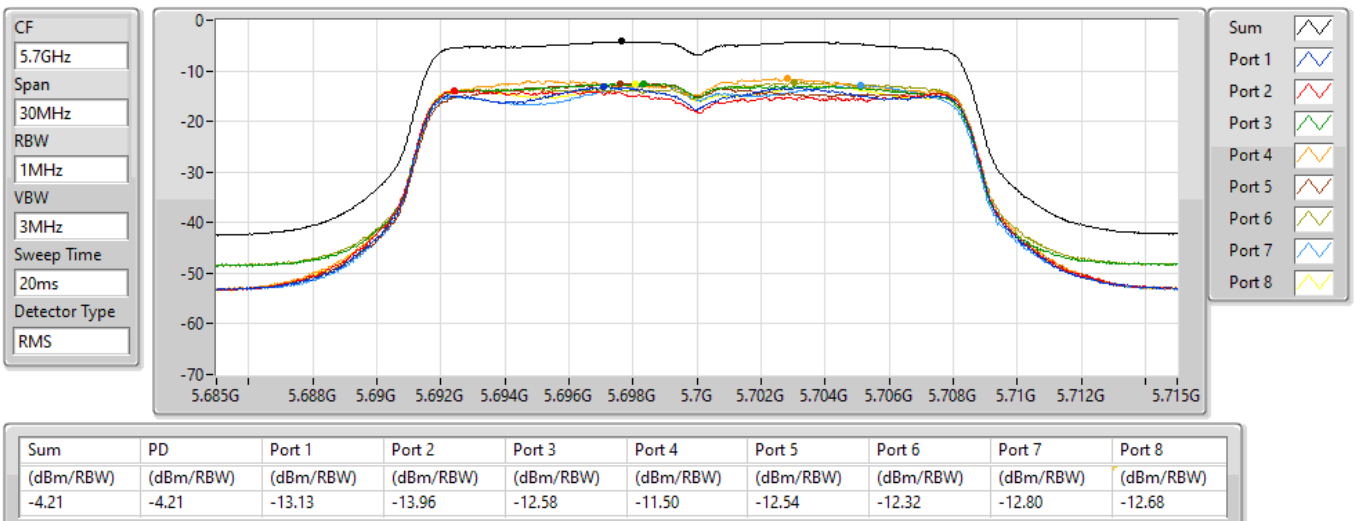


802.11a_Nss1,(6Mbps)_8TX

5700MHz

PSD

29/09/2021

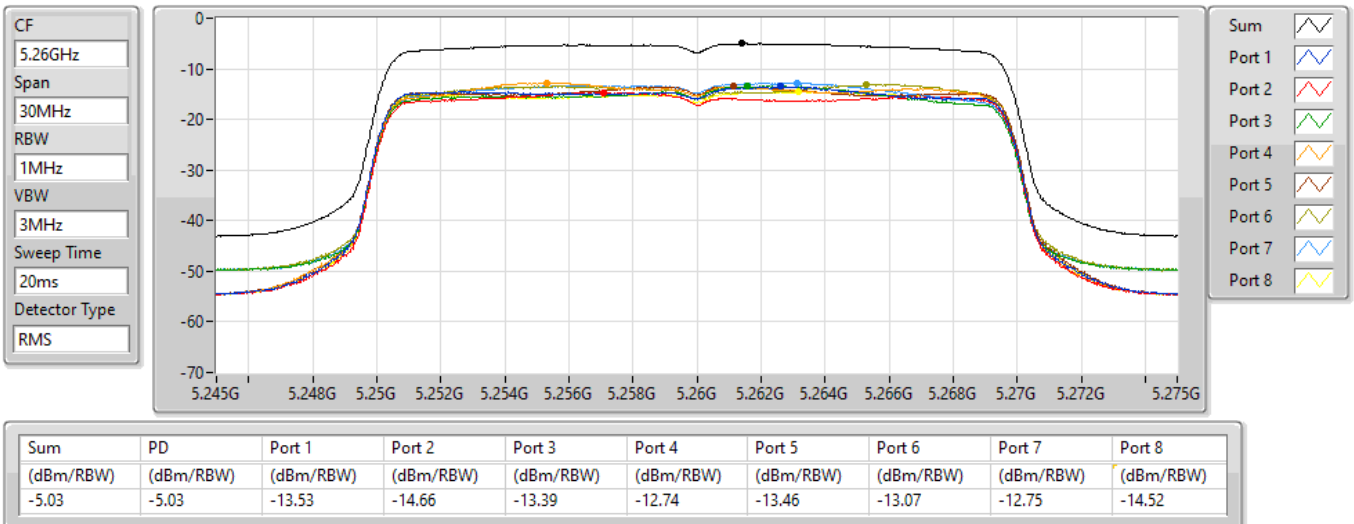


802.11ax HEW20_Nss1,(MCS0)_8TX

5260MHz

PSD

29/09/2021

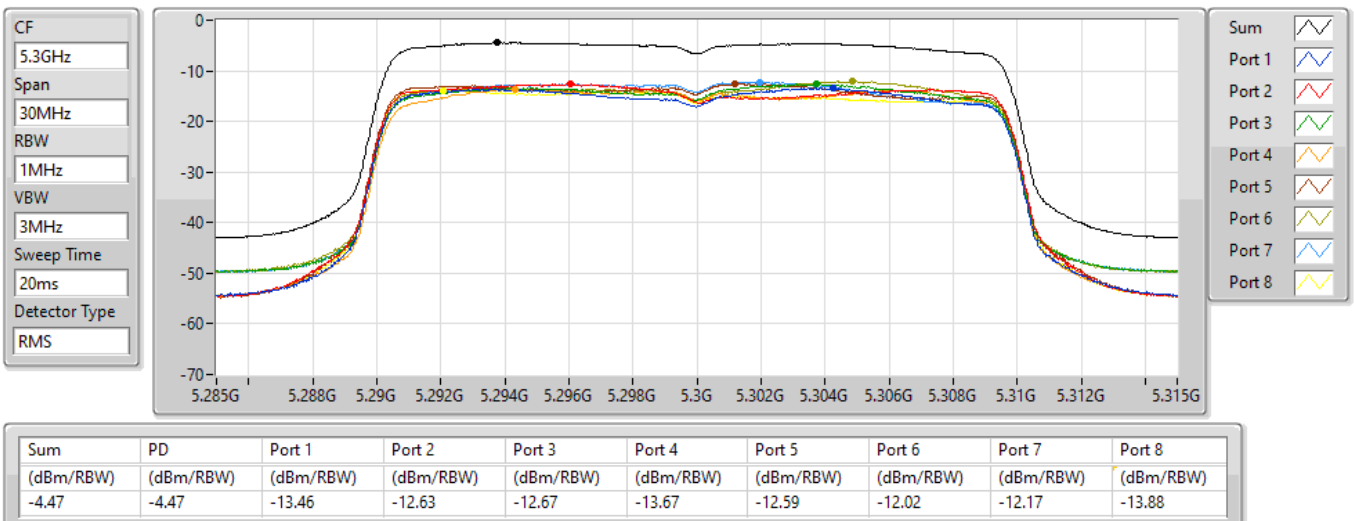


802.11ax HEW20_Nss1,(MCS0)_8TX

5300MHz

PSD

29/09/2021

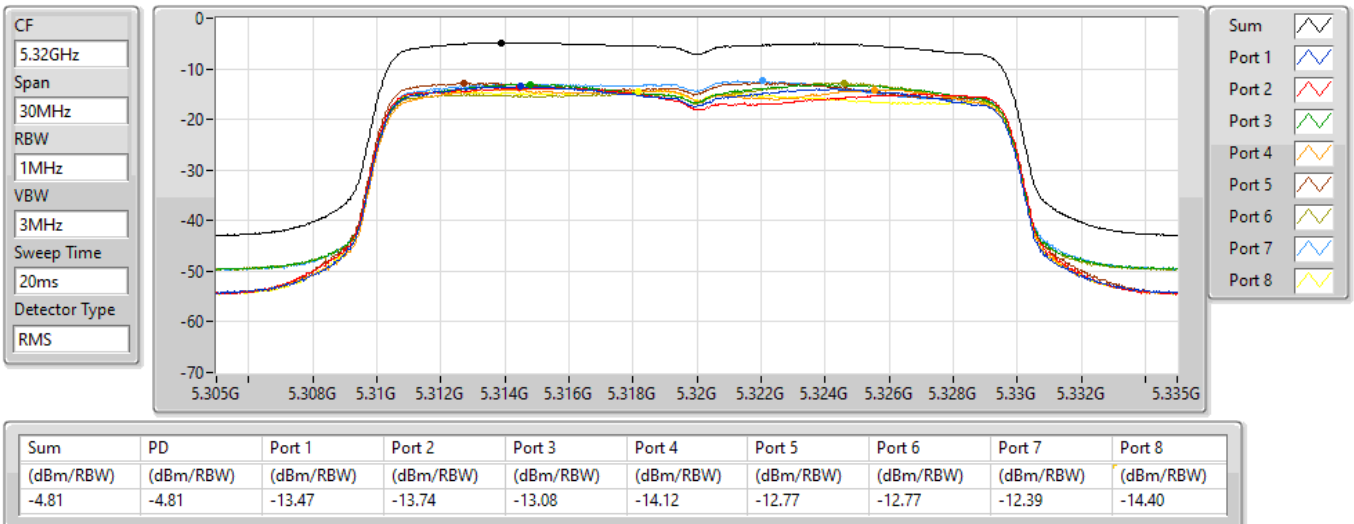


802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5320MHz

29/09/2021

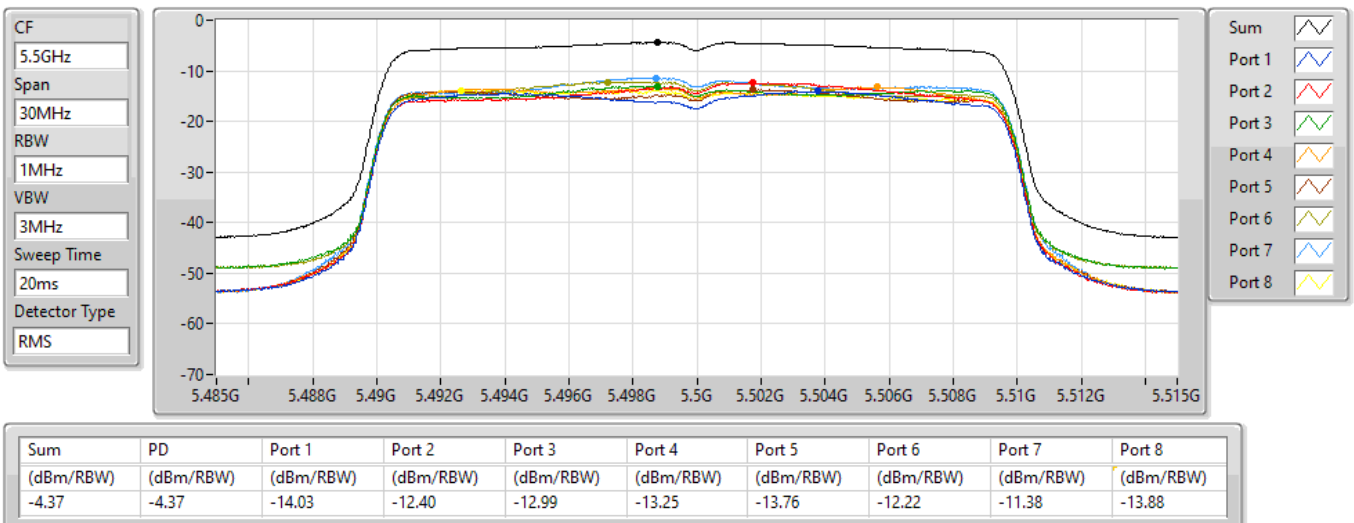


802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5500MHz

29/09/2021

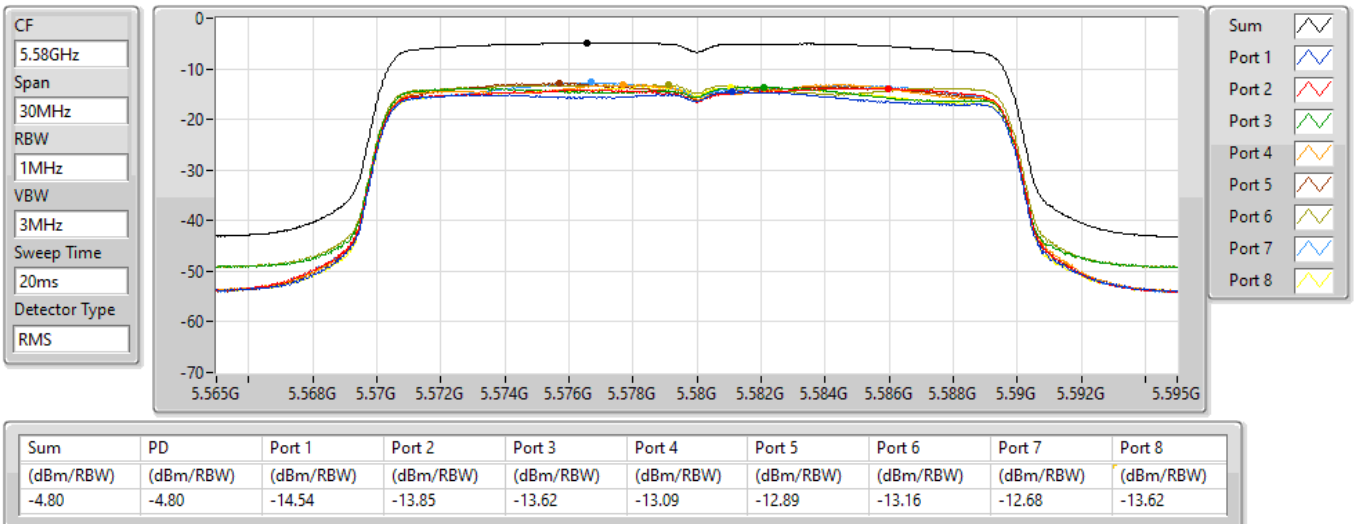


802.11ax HEW20_Nss1,(MCS0)_8TX

5580MHz

PSD

29/09/2021

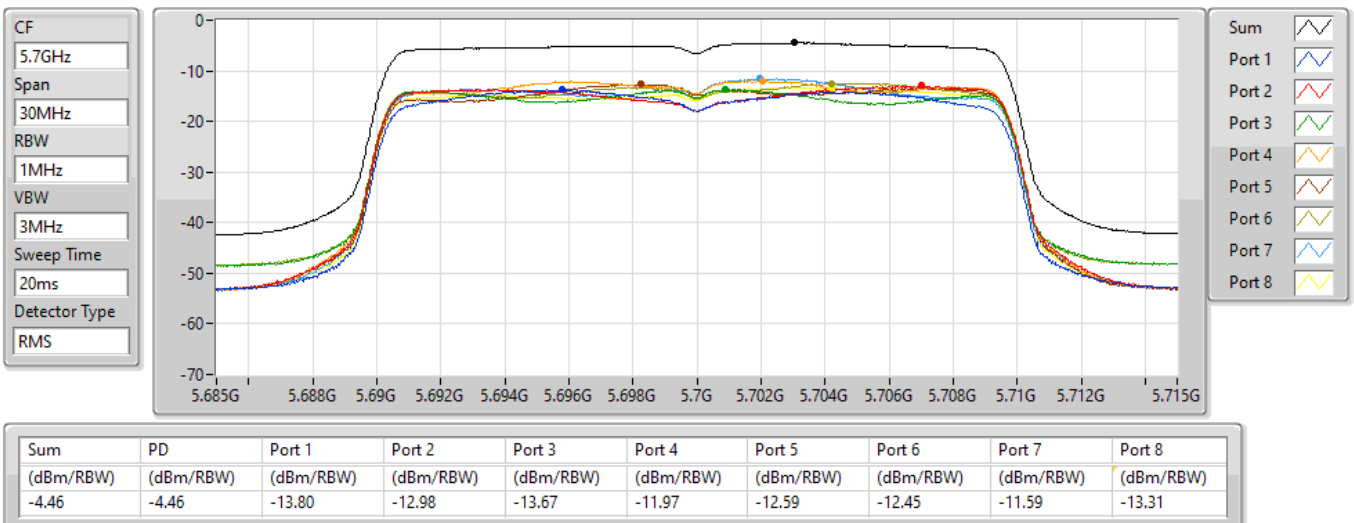


802.11ax HEW20_Nss1,(MCS0)_8TX

5700MHz

PSD

29/09/2021

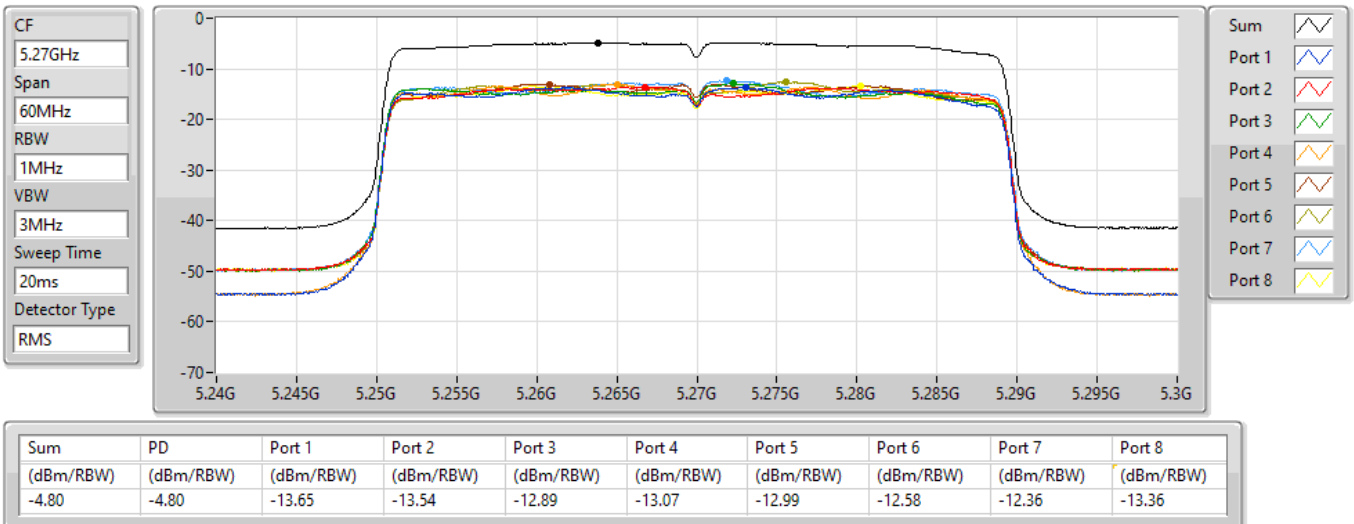


802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5270MHz

29/09/2021

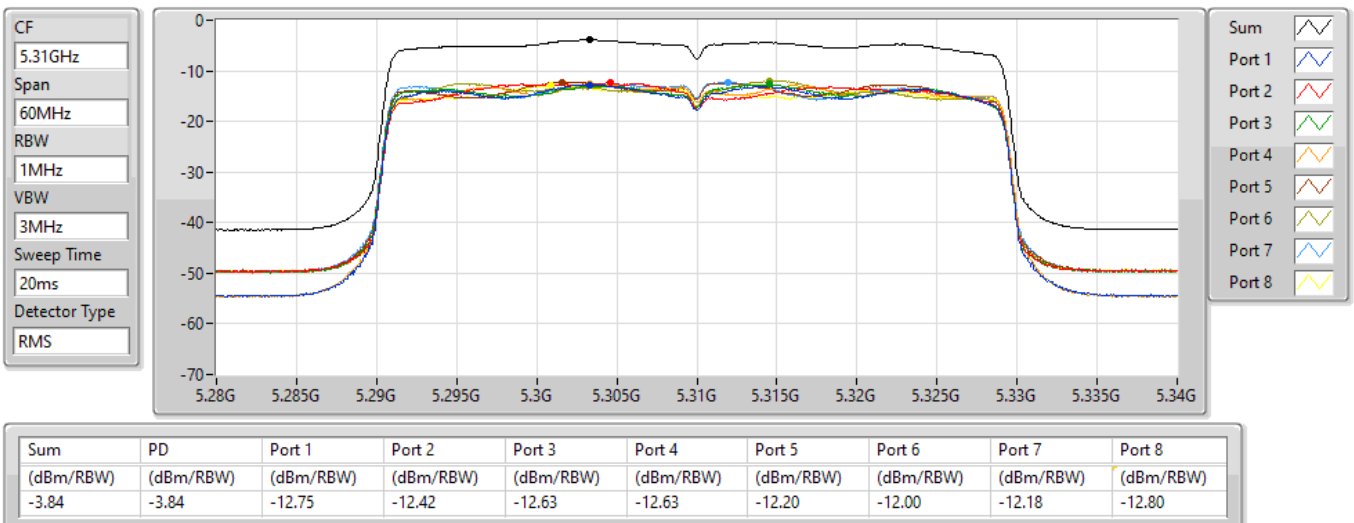


802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5310MHz

29/09/2021

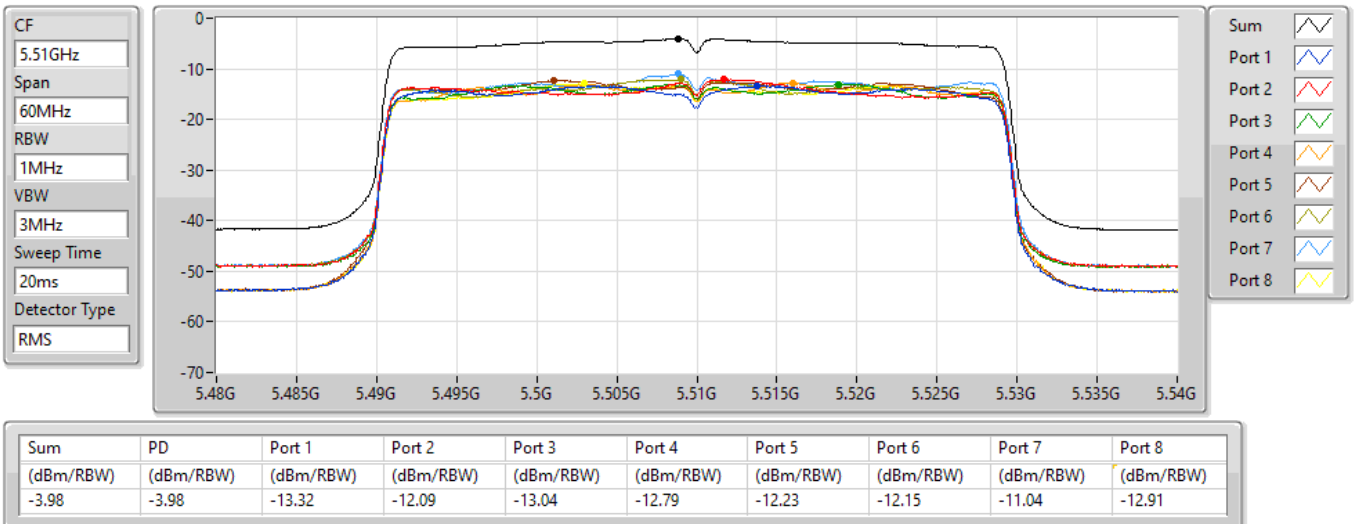


802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5510MHz

29/09/2021

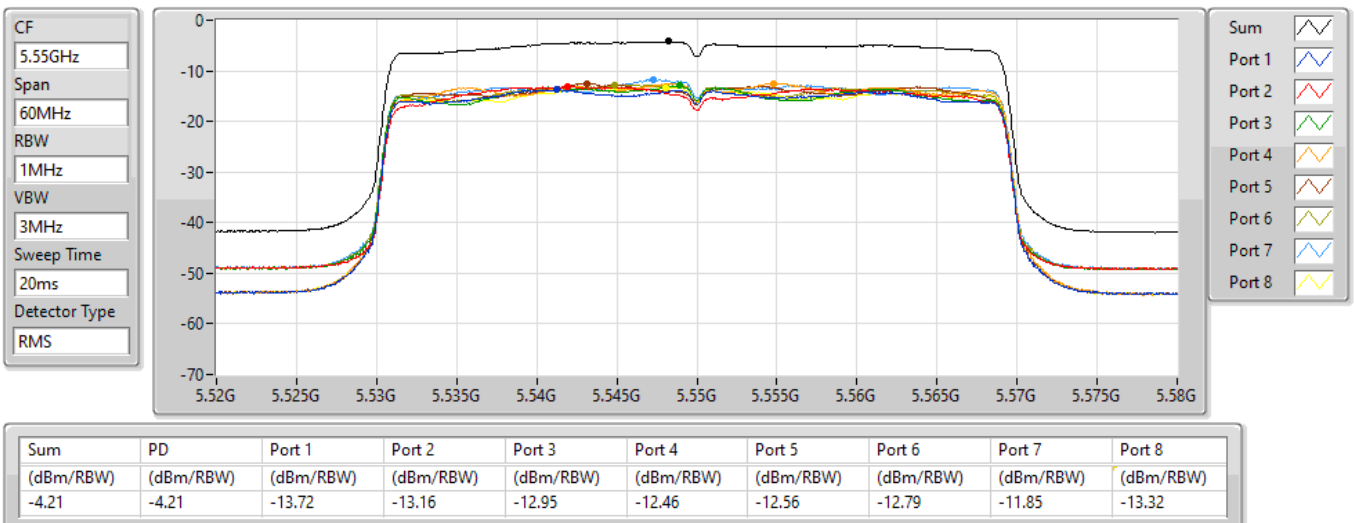


802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5550MHz

29/09/2021

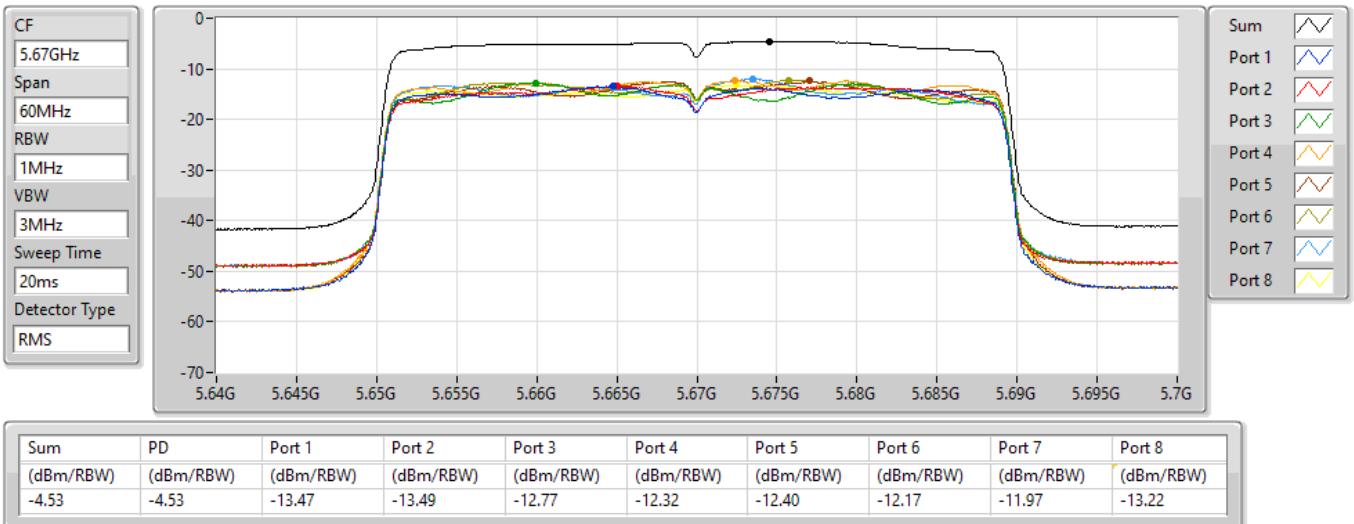


802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5670MHz

29/09/2021

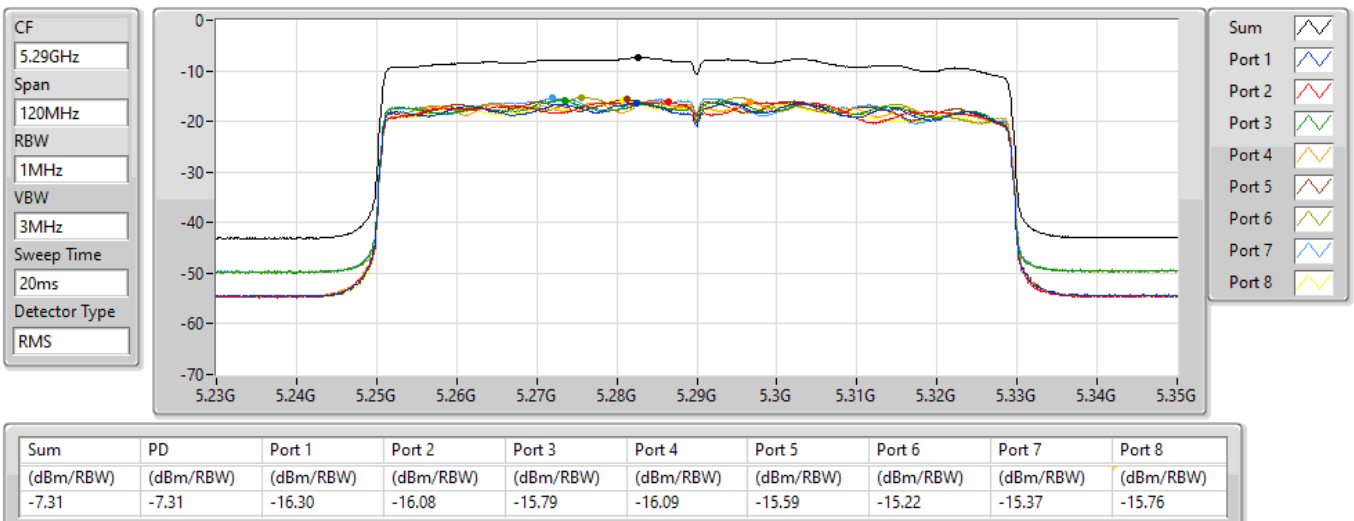


802.11ax HEW80_Nss1,(MCS0)_8TX

PSD

5290MHz

29/09/2021

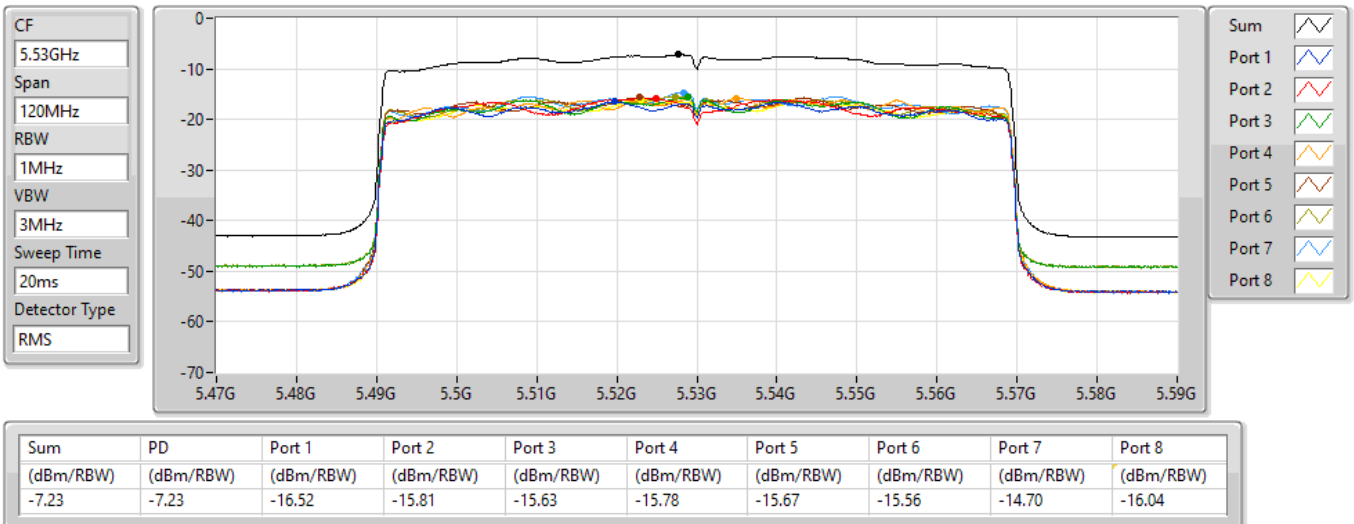


802.11ax HEW80_Nss1,(MCS0)_8TX

5530MHz

PSD

29/09/2021

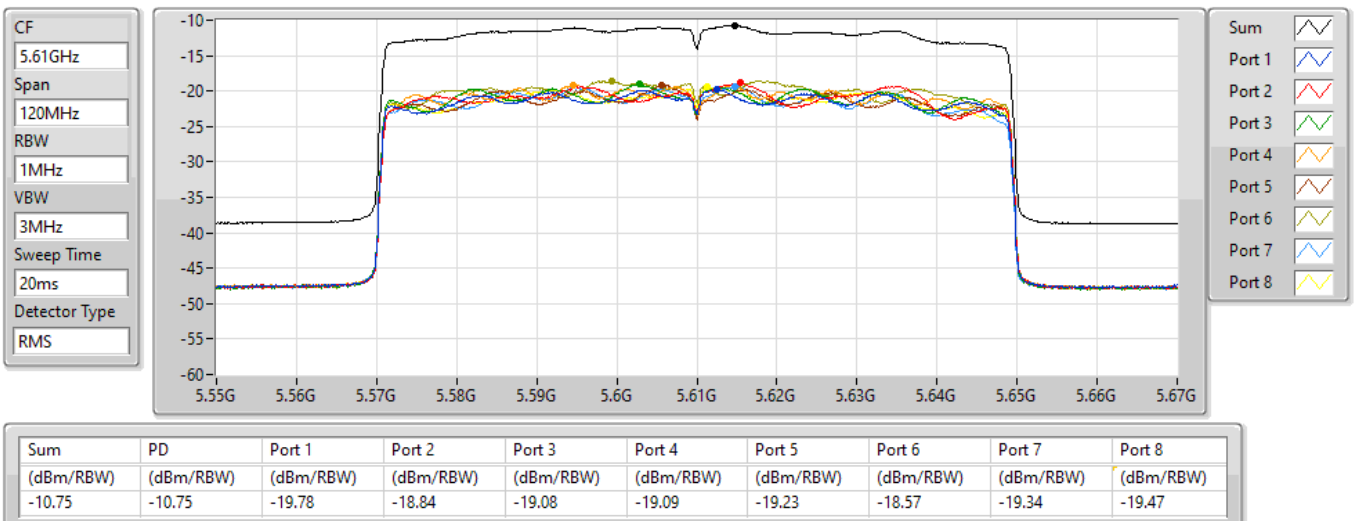


802.11ax HEW80_Nss1,(MCS0)_8TX

5610MHz

PSD

05/11/2021





CSE TX above 1GHz (Harmonic 1GHz ~ 8GHz) Result_ Conducted Test_Radio 1 + Antenna Set 1

Appendix D.1

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	Pass	5.11G	5.15G	AV	5.1312G	18.00	-69.84	-69.18	-71.06	-71.32	-71.60	-71.22	-71.20	-70.84	-61.68	-43.68	-41.20	-2.48
802.11ax HEW20_Nss1,(MCS0)_8TX	Pass	5.11G	5.15G	AV	5.13624G	18.00	-70.36	-70.72	-73.33	-70.85	-70.61	-71.57	-71.90	-71.50	-62.24	-44.24	-41.20	-3.04
802.11ax HEW40_Nss1,(MCS0)_8TX	Pass	5.07G	5.15G	AV	5.08808G	18.00	-68.02	-70.72	-72.42	-70.87	-70.18	-71.62	-72.04	-71.34	-61.66	-43.66	-41.20	-2.46
802.11ax HEW80_Nss1,(MCS0)_8TX	Pass	4.99G	5.15G	AV	5.14616G	18.00	-71.30	-73.62	-73.72	-73.75	-68.50	-71.97	-70.78	-73.32	-62.70	-44.70	-41.20	-3.50
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	Pass	1G	5.43G	AV	5.37629G	18.00	-68.21	-69.92	-71.34	-68.67	-68.99	-72.38	-71.69	-72.54	-61.14	-43.14	-41.20	-1.94
802.11ax HEW20_Nss1,(MCS0)_8TX	Pass	1G	5.43G	AV	5.37629G	18.00	-67.62	-68.59	-71.01	-68.65	-69.95	-72.65	-73.12	-72.71	-61.05	-43.05	-41.20	-1.85
802.11ax HEW40_Nss1,(MCS0)_8TX	Pass	1G	5.39G	AV	5.37628G	18.00	-67.27	-68.91	-71.44	-68.83	-68.40	-71.09	-72.07	-74.48	-60.76	-42.76	-41.20	-1.56
802.11ax HEW80_Nss1,(MCS0)_8TX	Pass	5.31G	5.47G	AV	5.37592G	18.00	-68.84	-68.70	-72.48	-69.65	-70.66	-74.46	-73.39	-74.40	-61.98	-43.98	-41.20	-2.78

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



CSE TX above 1GHz (Harmonic 1GHz ~ 8GHz) Result Conducted Test_Radio 1 + Antenna Set 1

Appendix D.1

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11a_Nss1,(6Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	1G	5.11G	AV	5.07096G	18.00	-70.80	-70.36	-72.09	-71.67	-72.04	-72.20	-70.88	-71.65	-62.38	-44.38	-41.20	-3.18
5260MHz	Pass	5.11G	5.15G	AV	5.1444G	18.00	-71.00	-72.05	-71.51	-71.75	-71.71	-71.64	-72.14	-71.30	-62.59	-44.59	-41.20	-3.39
5260MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-71.95	-71.90	-71.95	-72.62	-72.28	-71.32	-71.38	-71.69	-62.84	-44.84	-41.20	-3.64
5260MHz	Pass	5.35G	5.39G	AV	5.376G	18.00	-69.33	-72.14	-73.44	-73.69	-71.18	-74.66	-75.64	-75.88	-63.67	-45.67	-41.20	-4.47
5260MHz	Pass	5.39G	8G	AV	5.40044G	18.00	-75.26	-74.82	-74.79	-75.54	-75.21	-73.75	-75.47	-75.73	-66.00	-48.00	-41.20	-6.80
5260MHz	Pass	1G	5.11G	PK	5.0653G	18.00	-60.66	-63.13	-64.13	-61.41	-64.00	-65.14	-62.14	-61.03	-53.41	-35.41	-21.20	-14.21
5260MHz	Pass	5.11G	5.15G	PK	5.13992G	18.00	-53.76	-62.50	-62.28	-62.83	-51.57	-62.12	-62.44	-61.21	-48.30	-30.30	-21.20	-9.10
5260MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-61.75	-62.54	-63.01	-63.47	-62.79	-62.39	-61.03	-61.62	-53.23	-35.23	-21.20	-14.03
5260MHz	Pass	5.35G	5.39G	PK	5.38016G	18.00	-59.87	-66.64	-63.83	-65.74	-55.45	-63.87	-65.86	-66.37	-52.46	-34.46	-21.20	-13.26
5260MHz	Pass	5.39G	8G	PK	5.77759G	18.00	-68.99	-68.55	-66.11	-68.86	-67.28	-68.51	-68.62	-56.11	-54.49	-36.49	-27.00	-9.49
5300MHz	Pass	1G	5.11G	AV	5.08842G	18.00	-67.49	-71.93	-71.90	-72.33	-71.90	-72.78	-72.71	-72.04	-62.23	-44.23	-41.20	-3.03
5300MHz	Pass	5.11G	5.15G	AV	5.11184G	18.00	-69.49	-70.32	-72.13	-71.98	-71.88	-70.55	-70.87	-70.67	-61.87	-43.87	-41.20	-2.67
5300MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-71.22	-72.68	-71.96	-72.54	-71.59	-72.12	-71.35	-71.57	-62.82	-44.82	-41.20	-3.62
5300MHz	Pass	5.35G	5.39G	AV	5.376G	18.00	-69.06	-72.25	-73.27	-72.74	-70.47	-74.06	-75.43	-75.64	-63.29	-45.29	-41.20	-4.09
5300MHz	Pass	5.39G	8G	AV	5.39946G	18.00	-73.80	-73.93	-73.05	-73.96	-74.30	-74.57	-75.31	-73.82	-65.02	-47.02	-41.20	-5.82
5300MHz	Pass	1G	5.11G	PK	5.10897G	18.00	-60.77	-62.19	-65.14	-61.79	-64.61	-64.60	-63.31	-62.83	-53.88	-35.88	-21.20	-14.68
5300MHz	Pass	5.11G	5.15G	PK	5.1132G	18.00	-58.94	-60.86	-62.35	-61.16	-62.16	-62.19	-61.80	-60.33	-52.05	-34.05	-21.20	-12.85
5300MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-60.99	-63.64	-63.04	-63.12	-61.05	-62.83	-62.04	-61.45	-53.13	-35.13	-21.20	-13.93
5300MHz	Pass	5.35G	5.39G	PK	5.37632G	18.00	-63.21	-64.45	-63.53	-63.80	-62.12	-63.79	-66.24	-64.53	-54.79	-36.79	-21.20	-15.59
5300MHz	Pass	5.39G	8G	PK	5.58771G	18.00	-66.47	-66.55	-65.67	-66.67	-66.45	-64.52	-67.38	-64.76	-56.93	-38.93	-27.00	-11.93
5320MHz	Pass	1G	5.11G	AV	5.08842G	18.00	-68.39	-71.23	-72.07	-71.89	-71.24	-72.34	-72.48	-72.00	-62.22	-44.22	-41.20	-3.02
5320MHz	Pass	5.11G	5.15G	AV	5.1312G	18.00	-69.84	-69.18	-71.06	-71.32	-71.60	-71.22	-71.20	-70.84	-61.68	-43.68	-41.20	-2.48
5320MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-71.57	-71.97	-71.51	-72.47	-71.46	-71.24	-71.22	-71.36	-62.55	-44.55	-41.20	-3.35
5320MHz	Pass	5.35G	5.39G	AV	5.37608G	18.00	-69.06	-71.56	-72.13	-72.50	-70.17	-72.68	-74.24	-74.39	-62.71	-44.71	-41.20	-3.51
5320MHz	Pass	5.39G	8G	AV	5.39G	18.00	-75.06	-74.86	-73.73	-74.92	-73.95	-73.17	-74.62	-74.51	-65.28	-47.28	-41.20	-6.08
5320MHz	Pass	1G	5.11G	PK	5.08534G	18.00	-63.29	-62.89	-62.70	-63.83	-65.37	-64.31	-64.74	-60.80	-54.25	-36.25	-21.20	-15.05
5320MHz	Pass	5.11G	5.15G	PK	5.1316G	18.00	-59.48	-58.30	-62.07	-60.99	-60.93	-62.45	-61.91	-61.25	-51.68	-33.68	-21.20	-12.48
5320MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-61.34	-63.25	-62.20	-63.15	-60.91	-61.92	-62.09	-62.17	-53.03	-35.03	-21.20	-13.83
5320MHz	Pass	5.35G	5.39G	PK	5.37632G	18.00	-62.02	-62.49	-62.33	-63.22	-63.05	-62.50	-64.55	-65.24	-54.02	-36.02	-21.20	-14.82
5320MHz	Pass	5.39G	8G	PK	5.55052G	18.00	-66.51	-67.25	-67.63	-66.58	-67.35	-67.57	-67.63	-62.92	-57.34	-39.34	-27.00	-12.34
5500MHz	Pass	1G	5.43G	AV	5.37629G	18.00	-67.82	-70.11	-71.76	-69.17	-69.98	-72.40	-72.00	-75.20	-61.54	-43.54	-41.20	-2.34
5500MHz	Pass	5.43G	5.47G	AV	5.4304G	18.00	-78.26	-80.40	-78.27	-78.36	-77.57	-79.62	-78.94	-80.56	-69.85	-51.85	-41.20	-10.65
5500MHz	Pass	5.765G	8G	AV	7.34123G	18.00	-82.54	-81.73	-81.61	-81.72	-81.54	-82.55	-81.40	-81.37	-72.75	-54.75	-41.20	-13.55
5500MHz	Pass	1G	5.43G	PK	5.31371G	18.00	-65.63	-65.54	-63.18	-65.91	-64.84	-66.82	-64.07	-66.58	-56.13	-38.13	-27.00	-11.13
5500MHz	Pass	5.43G	5.47G	PK	5.46928G	18.00	-72.37	-73.56	-73.45	-73.67	-74.06	-74.07	-74.29	-74.54	-64.67	-46.67	-27.00	-19.67
5500MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-72.97	-73.92	-72.78	-73.14	-73.05	-72.94	-74.83	-73.18	-64.28	-46.28	-27.00	-19.28
5500MHz	Pass	5.725G	5.765G	PK	5.76004G	18.00	-63.13	-64.97	-64.82	-65.37	-63.02	-67.38	-65.51	-67.06	-55.88	-37.88	-27.00	-10.88
5500MHz	Pass	5.765G	8G	PK	5.79154G	18.00	-64.15	-65.34	-64.01	-64.88	-62.47	-63.92	-64.20	-64.54	-55.08	-37.08	-27.00	-10.08
5580MHz	Pass	1G	5.43G	AV	5.37629G	18.00	-67.98	-69.72	-71.51	-69.28	-69.34	-71.89	-71.40	-72.59	-61.17	-43.17	-41.20	-1.97
5580MHz	Pass	5.43G	5.47G	AV	5.43008G	18.00	-78.62	-78.95	-78.12	-78.11	-78.67	-80.17	-79.18	-79.04	-69.78	-51.78	-41.20	-10.58
5580MHz	Pass	5.765G	8G	AV	7.34068G	18.00	-81.76	-81.15	-81.31	-82.18	-82.13	-82.10	-81.65	-82.11	-72.75	-54.75	-41.20	-13.55
5580MHz	Pass	1G	5.43G	PK	5.18414G	18.00	-62.89	-65.72	-65.12	-63.52	-66.62	-66.00	-63.77	-62.46	-55.24	-37.24	-27.00	-10.24
5580MHz	Pass	5.43G	5.47G	PK	5.46952G	18.00	-74.86	-72.78	-74.29	-72.81	-73.66	-72.73	-74.01	-74.14	-64.56	-46.56	-27.00	-19.56
5580MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-72.42	-72.64	-73.93	-74.27	-73.54	-73.47	-74.18	-74.41	-64.52	-46.52	-27.00	-19.52
5580MHz	Pass	5.725G	5.765G	PK	5.76412G	18.00	-64.13	-63.32	-63.70	-63.33	-63.21	-64.53	-64.17	-63.08	-54.62	-36.62	-27.00	-9.62
5580MHz	Pass	5.765G	8G	PK	5.7759G	18.00	-63.92	-64.29	-64.86	-62.64	-63.68	-63.63	-62.63	-61.40	-54.22	-36.22	-27.00	-9.22
5700MHz	Pass	1G	5.43G	AV	5.37629G	18.00	-68.21	-69.92	-71.34	-68.67	-68.99	-72.38	-71.69	-72.54	-61.14	-43.14	-41.20	-1.94
5700MHz	Pass	5.43G	5.47G	AV	5.43008G	18.00	-78.34	-79.57	-78.94	-78.49	-79.03	-79.50	-79.16	-79.02	-69.96	-51.96	-41.20	-10.76
5700MHz	Pass	5.765G	8G	AV	7.27837G	18.00	-82.52	-81.38	-81.06	-82.46	-81.47	-82.19	-82.23	-81.67	-72.81	-54.81	-41.20	-13.61
5700MHz	Pass	1G	5.43G	PK	5.18414G	18.00	-63.67	-63.13	-64.07	-63.12	-67.04	-66.27	-64.33	-64.60	-55.31	-37.31	-27.00	-10.31
5700MHz	Pass	5.43G	5.47G	PK	5.468G	18.00	-72.70	-74.36	-74.28	-74.83	-73.77	-74.05	-73.60	-73.31	-64.79	-46.79	-27.00	-19.79
5700MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-74.23	-73.30	-72.88	-74.09	-73.54	-73.97	-72.30	-74.15	-64.48	-46.48	-27.00	-19.48
5700MHz	Pass	5.725G	5.765G	PK	5.76004G	18.00	-62.14	-64.65	-63.70	-64.70	-61.95	-65.52	-63.25	-63.64	-54.51	-36.51	-27.00	-9.51
5700MHz	Pass	5.765G	8G	PK	5.81864G	18.00	-65.08	-64.93	-67.27	-63.96	-55.42	-63.42	-64.57	-64.92	-52.82	-34.82	-27.00	-7.82
802.11ax_HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	1G	5.11G	AV	5.08842G	18.00	-69.00	-71.48	-71.37	-72.34	-73.12	-74.31	-73.01	-72.55	-62.84	-44.84	-41.20	-3.64
5260MHz	Pass	5.11G	5.15G	AV	5.14376G	18.00	-71.04	-71.97	-72.39	-72.95	-71.76	-72.19	-70.78	-71.91	-62.79	-44.79	-41.20	-3.59
5260MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-72.37	-72.77	-72.75	-73.05	-72.47	-71.55	-71.91	-72.14	-63.32	-45.32	-41.20	-4.12
5260MHz	Pass	5.35G	5.39G	AV	5.376G	18.00	-70.61	-72.65	-73.95	-74.66	-71.44	-74.03	-76.37	-76.19	-64.27	-46.27	-41.20	-5.07
5260MHz	Pass	5.39G	8G	AV	5.39946G	18.00	-74.62	-74.94	-74.93	-75.09	-75.23	-73.94	-76.41	-76.75	-66.13	-48.13	-41.20	-6.93
5260MHz	Pass	1G	5.11G	PK	5.06993G	18.00	-61.04	-62.98	-64.88	-64.09	-63.94	-63.86	-63.84	-60.86	-53.92	-35.92	-21.20	-14.72
5260MHz	Pass	5.11G	5.15G	PK	5.1408G	18.00	-53.15	-63.01	-63.01	-63.20	-51.98	-60.38	-62.30	-62.56	-48.32	-30.32	-21.20	-9.12
5260MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-60.76	-62.39	-63.66	-64.21	-62.33	-61.95	-62.98	-62.38	-53.44	-35.44	-21.20	-14.24
5260MHz	Pass	5.35G	5.39G	PK	5.37968G	18.00	-58.84	-67.11	-66.29	-66.20	-56.06	-64.66	-65.10	-67.10	-52.76	-34.76	-21.20	



CSE TX above 1GHz (Harmonic 1GHz ~ 8GHz) Result Conducted Test_Radio 1 + Antenna Set 1

Appendix D.1

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5300MHz	Pass	5.35G	5.39G	AV	5.37592G	18.00	-69.28	-71.98	-72.87	-73.46	-71.45	-73.66	-75.59	-75.45	-63.48	-45.48	-41.20	-4.28
5300MHz	Pass	5.39G	8G	AV	5.3962G	18.00	-73.38	-73.42	-74.01	-73.24	-74.33	-74.86	-75.70	-75.52	-65.18	-47.18	-41.20	-5.98
5300MHz	Pass	1G	5.11G	PK	5.10435G	18.00	-62.07	-63.84	-63.70	-63.33	-64.30	-62.60	-63.46	-62.33	-54.11	-36.11	-21.20	-14.91
5300MHz	Pass	5.11G	5.15G	PK	5.11192G	18.00	-60.47	-61.41	-60.14	-62.12	-61.59	-61.59	-62.35	-60.88	-52.23	-34.23	-21.20	-13.03
5300MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-61.97	-62.39	-62.92	-62.15	-62.11	-62.21	-62.20	-61.83	-53.18	-35.18	-21.20	-13.98
5300MHz	Pass	5.35G	5.39G	PK	5.37616G	18.00	-61.76	-63.80	-63.74	-64.14	-63.40	-63.86	-66.00	-66.00	-54.86	-36.86	-21.20	-15.66
5300MHz	Pass	5.39G	8G	PK	5.5864G	18.00	-66.55	-66.93	-65.44	-64.86	-65.79	-66.25	-64.29	-66.18	-56.67	-38.67	-27.00	-11.67
5320MHz	Pass	1G	5.11G	AV	5.08842G	18.00	-68.45	-71.23	-74.13	-72.81	-72.03	-73.10	-72.69	-72.26	-62.72	-44.72	-41.20	-3.52
5320MHz	Pass	5.11G	5.15G	AV	5.13624G	18.00	-70.36	-70.72	-73.33	-70.85	-70.61	-71.57	-71.90	-71.50	-62.24	-44.24	-41.20	-3.04
5320MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-72.54	-72.96	-74.54	-73.10	-71.54	-71.44	-70.96	-71.63	-63.18	-45.18	-41.20	-3.98
5320MHz	Pass	5.35G	5.39G	AV	5.37608G	18.00	-69.02	-71.21	-74.22	-72.73	-70.73	-73.46	-74.81	-75.43	-63.16	-45.16	-41.20	-3.96
5320MHz	Pass	5.39G	8G	AV	5.3975G	18.00	-74.93	-75.40	-76.64	-74.68	-74.15	-74.19	-74.42	-75.01	-65.83	-47.83	-41.20	-6.63
5320MHz	Pass	1G	5.11G	PK	5.05811G	18.00	-62.48	-65.22	-65.29	-63.84	-64.61	-65.03	-63.15	-61.72	-54.70	-36.70	-21.20	-15.50
5320MHz	Pass	5.11G	5.15G	PK	5.13208G	18.00	-60.11	-59.84	-63.81	-59.59	-60.83	-61.63	-62.21	-62.62	-52.08	-34.08	-21.20	-12.88
5320MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-62.03	-62.47	-63.50	-63.15	-61.64	-62.54	-61.36	-61.41	-53.17	-35.17	-21.20	-13.97
5320MHz	Pass	5.35G	5.39G	PK	5.37592G	18.00	-61.48	-63.95	-64.36	-63.52	-61.73	-63.60	-65.11	-66.17	-54.46	-36.46	-21.20	-15.26
5320MHz	Pass	5.39G	8G	PK	5.56357G	18.00	-67.27	-65.38	-67.44	-65.85	-66.54	-68.18	-66.16	-65.18	-57.36	-39.36	-27.00	-12.36
5500MHz	Pass	1G	5.43G	AV	5.37629G	18.00	-67.32	-69.19	-71.61	-69.69	-70.02	-72.28	-71.77	-74.45	-61.29	-43.29	-41.20	-2.09
5500MHz	Pass	5.43G	5.47G	AV	5.43008G	18.00	-78.33	-79.79	-77.92	-78.39	-77.62	-79.30	-78.95	-80.84	-69.75	-51.75	-41.20	-10.55
5500MHz	Pass	5.765G	8G	AV	7.33006G	18.00	-81.73	-81.18	-81.48	-81.31	-82.79	-81.05	-82.86	-82.34	-72.76	-54.76	-41.20	-13.56
5500MHz	Pass	1G	5.43G	PK	5.31205G	18.00	-61.53	-64.51	-66.04	-66.74	-67.34	-64.92	-63.80	-67.11	-55.79	-37.79	-27.00	-10.79
5500MHz	Pass	5.43G	5.47G	PK	5.46928G	18.00	-73.00	-73.40	-75.14	-74.45	-74.22	-73.73	-73.26	-73.71	-64.78	-46.78	-27.00	-19.78
5500MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-73.94	-74.38	-73.44	-74.02	-73.21	-73.88	-73.91	-72.45	-64.58	-46.58	-27.00	-19.58
5500MHz	Pass	5.725G	5.765G	PK	5.7646G	18.00	-63.71	-66.74	-66.90	-64.51	-64.21	-66.43	-64.57	-65.44	-56.13	-38.13	-27.00	-11.13
5500MHz	Pass	5.765G	8G	PK	5.78707G	18.00	-64.50	-65.42	-62.68	-63.43	-62.74	-65.16	-64.67	-65.46	-55.09	-37.09	-27.00	-10.09
5580MHz	Pass	1G	5.43G	AV	5.37629G	18.00	-67.62	-68.59	-71.01	-68.65	-69.95	-72.65	-73.12	-72.71	-61.05	-43.05	-41.20	-1.85
5580MHz	Pass	5.43G	5.47G	AV	5.43G	18.00	-78.48	-78.71	-78.30	-78.42	-78.93	-80.06	-79.26	-78.54	-69.77	-51.77	-41.20	-10.57
5580MHz	Pass	5.765G	8G	AV	7.33481G	18.00	-82.21	-81.33	-82.18	-81.87	-82.40	-82.36	-81.38	-81.43	-72.84	-54.84	-41.20	-13.64
5580MHz	Pass	1G	5.43G	PK	5.18414G	18.00	-63.32	-65.11	-62.62	-61.96	-66.58	-67.68	-65.51	-62.76	-55.00	-37.00	-27.00	-10.00
5580MHz	Pass	5.43G	5.47G	PK	5.46856G	18.00	-74.56	-74.31	-72.41	-73.18	-73.47	-74.50	-73.65	-74.62	-64.74	-46.74	-27.00	-19.74
5580MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-73.08	-73.98	-74.19	-71.41	-73.55	-73.98	-73.69	-73.83	-64.34	-46.34	-27.00	-19.34
5580MHz	Pass	5.725G	5.765G	PK	5.76484G	18.00	-64.10	-64.21	-64.06	-64.48	-63.29	-64.89	-64.24	-63.61	-55.05	-37.05	-27.00	-10.05
5580MHz	Pass	5.765G	8G	PK	5.77981G	18.00	-64.20	-63.47	-62.29	-64.04	-63.14	-62.38	-63.77	-64.02	-54.32	-36.32	-27.00	-9.32
5700MHz	Pass	1G	5.43G	AV	5.37629G	18.00	-68.19	-69.50	-71.24	-69.78	-69.53	-72.12	-72.06	-73.00	-61.37	-43.37	-41.20	-2.17
5700MHz	Pass	5.43G	5.47G	AV	5.43G	18.00	-79.31	-78.85	-78.73	-78.41	-78.62	-79.23	-79.05	-78.82	-69.84	-51.84	-41.20	-10.64
5700MHz	Pass	5.765G	8G	AV	7.26357G	18.00	-82.32	-81.80	-81.34	-82.12	-81.16	-81.63	-81.52	-82.10	-72.70	-54.70	-41.20	-13.50
5700MHz	Pass	1G	5.43G	PK	5.18414G	18.00	-63.57	-65.57	-62.71	-65.18	-66.14	-65.51	-63.21	-65.07	-55.42	-37.42	-27.00	-10.42
5700MHz	Pass	5.43G	5.47G	PK	5.46088G	18.00	-74.37	-74.75	-73.74	-73.00	-74.73	-72.98	-74.67	-73.07	-64.82	-46.82	-27.00	-19.82
5700MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-73.58	-74.05	-72.62	-73.74	-73.38	-74.31	-73.80	-74.13	-64.64	-46.64	-27.00	-19.64
5700MHz	Pass	5.725G	5.765G	PK	5.75988G	18.00	-61.06	-63.77	-64.02	-62.75	-64.27	-65.00	-65.03	-64.70	-54.59	-36.59	-27.00	-9.59
5700MHz	Pass	5.765G	8G	PK	5.80076G	18.00	-61.19	-60.93	-60.72	-63.65	-63.22	-65.55	-63.80	-62.55	-53.40	-35.40	-27.00	-8.40
802.11ax HEW40_Nss1(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	1G	5.07G	AV	5.06797G	18.00	-73.41	-71.79	-74.49	-72.14	-71.95	-73.56	-71.76	-72.77	-63.61	-45.61	-41.20	-4.41
5270MHz	Pass	5.07G	5.15G	AV	5.126G	18.00	-73.23	-70.22	-74.47	-70.79	-67.24	-70.00	-71.66	-72.74	-61.73	-43.73	-41.20	-2.53
5270MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-73.42	-71.76	-73.92	-71.53	-70.28	-70.69	-71.00	-73.56	-62.79	-44.79	-41.20	-3.59
5270MHz	Pass	5.35G	5.43G	AV	5.37592G	18.00	-71.81	-71.98	-73.36	-73.03	-70.88	-73.24	-75.26	-76.98	-63.93	-45.93	-41.20	-4.73
5270MHz	Pass	5.43G	8G	AV	5.43032G	18.00	-76.85	-77.82	-76.43	-76.71	-76.43	-76.14	-77.13	-78.24	-67.89	-49.89	-41.20	-8.69
5270MHz	Pass	1G	5.07G	PK	5.06491G	18.00	-65.77	-62.03	-66.23	-63.28	-63.39	-64.26	-63.63	-66.33	-55.09	-37.09	-21.20	-15.89
5270MHz	Pass	5.07G	5.15G	PK	5.15G	18.00	-52.08	-61.83	-64.68	-63.26	-43.14	-55.28	-60.98	-63.62	-42.19	-24.19	-21.20	-2.99
5270MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-64.54	-61.30	-64.62	-62.58	-60.36	-60.23	-62.06	-64.33	-53.14	-35.14	-21.20	-13.94
5270MHz	Pass	5.35G	5.43G	PK	5.39G	18.00	-55.93	-65.35	-66.99	-65.27	-47.75	-63.63	-65.13	-67.08	-46.76	-28.76	-21.20	-7.56
5270MHz	Pass	5.43G	8G	PK	5.55175G	18.00	-67.54	-63.63	-68.15	-67.71	-65.83	-66.47	-65.90	-67.00	-57.27	-39.27	-27.00	-12.27
5310MHz	Pass	1G	5.07G	AV	5.0644G	18.00	-72.25	-71.81	-73.94	-72.36	-72.44	-72.72	-71.94	-72.06	-63.37	-45.37	-41.20	-4.17
5310MHz	Pass	5.07G	5.15G	AV	5.08808G	18.00	-68.02	-70.72	-72.42	-70.87	-70.18	-71.62	-72.04	-71.34	-61.66	-43.66	-41.20	-2.46
5310MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-71.31	-71.18	-73.63	-72.17	-69.98	-70.66	-71.02	-70.93	-62.22	-44.22	-41.20	-3.02
5310MHz	Pass	5.35G	5.43G	AV	5.37608G	18.00	-70.31	-72.13	-74.19	-73.57	-71.25	-73.53	-74.03	-74.69	-63.67	-45.67	-41.20	-4.47
5310MHz	Pass	5.43G	8G	AV	5.43032G	18.00	-75.18	-76.91	-77.22	-76.43	-76.45	-76.02	-78.33	-77.91	-67.67	-49.67	-41.20	-8.47
5310MHz	Pass	1G	5.07G	PK	5.05881G	18.00	-64.37	-63.80	-66.83	-65.61	-62.87	-64.27	-61.44	-63.36	-54.77	-36.77	-21.20	-15.57
5310MHz	Pass	5.07G	5.15G	PK	5.14488G	18.00	-59.03	-61.55	-65.18	-61.69	-60.32	-60.59	-61.11	-61.14	-52.02	-34.02	-21.20	-12.82
5310MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-61.74	-61.89	-65.00	-62.80	-60.80	-59.78	-61.10	-60.49	-52.43	-34.43	-21.20	-13.23
5310MHz	Pass	5.35G	5.43G	PK	5.42968G	18.00	-54.80	-61.92	-65.80	-66.63	-52.66	-66.38	-67.64	-68.29	-50.03	-32.03	-21.20	-10.83
5310MHz	Pass	5.43G	8G	PK	5.52059G	18.00	-64.52	-66.97	-66.39	-66.62	-67.70	-66.29	-66.82	-68.20	-57.53	-39.53	-27.00	-12.53
5510MHz	Pass	1G	5.39G	AV	5.37628G	18.00	-67.27	-68.91	-71.44	-68.83	-68.40	-71.09	-72.07	-74.48	-60.76	-42.76	-41.20	-1.56
5510MHz	Pass	5.39G	5.47G	AV	5.414G	18.00	-71.93	-74.40	-72.37	-72.21	-66.12	-68.70	-71.25	-74.58	-61.50	-43.50	-41.20	-2.30
5510MHz	Pass	5.805G	8G	AV	7.33135G	18.00	-82.71	-82.42	-80.99	-81.62	-80.79	-81.94	-81.86					



CSE TX above 1GHz (Harmonic 1GHz ~ 8GHz) Result_ Conducted Test_Radio 1 + Antenna Set 1

Appendix D.1

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5550MHz	Pass	1G	5.39G	AV	5.37628G	18.00	-69.78	-69.56	-72.15	-69.13	-69.21	-74.72	-71.71	-74.46	-61.83	-43.83	-41.20	-2.63
5550MHz	Pass	5.39G	5.47G	AV	5.406G	18.00	-74.07	-74.76	-72.86	-72.64	-67.94	-74.61	-72.60	-75.07	-63.37	-45.37	-41.20	-4.17
5550MHz	Pass	5.805G	8G	AV	7.27675G	18.00	-81.94	-82.06	-81.34	-81.54	-82.55	-81.32	-82.30	-82.42	-72.88	-54.88	-41.20	-13.68
5550MHz	Pass	1G	5.39G	PK	5.18422G	18.00	-65.72	-66.64	-63.36	-63.75	-65.64	-68.53	-63.99	-68.32	-56.33	-38.33	-27.00	-11.33
5550MHz	Pass	5.39G	5.47G	PK	5.42936G	18.00	-68.91	-69.40	-66.73	-67.96	-51.88	-70.86	-68.50	-70.41	-51.30	-33.30	-21.20	-12.10
5550MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-73.45	-73.89	-72.71	-73.92	-73.99	-72.15	-73.81	-73.38	-64.34	-46.34	-27.00	-19.34
5550MHz	Pass	5.725G	5.805G	PK	5.78884G	18.00	-58.36	-65.90	-64.22	-64.24	-63.01	-67.08	-63.51	-65.65	-54.11	-36.11	-27.00	-9.11
5550MHz	Pass	5.805G	8G	PK	5.83216G	18.00	-67.22	-65.32	-64.33	-62.71	-63.68	-67.47	-63.88	-65.79	-55.74	-37.74	-27.00	-10.74
5670MHz	Pass	1G	5.39G	AV	5.37628G	18.00	-69.68	-69.99	-73.34	-68.99	-71.81	-74.80	-73.24	-75.92	-62.58	-44.58	-41.20	-3.38
5670MHz	Pass	5.39G	5.47G	AV	5.39992G	18.00	-76.02	-74.69	-74.97	-72.80	-75.20	-74.21	-72.81	-75.35	-65.33	-47.33	-41.20	-6.13
5670MHz	Pass	5.805G	8G	AV	7.32312G	18.00	-81.72	-81.73	-81.36	-82.22	-82.32	-82.34	-81.90	-81.09	-72.78	-54.78	-41.20	-13.58
5670MHz	Pass	1G	5.39G	PK	5.18422G	18.00	-66.10	-67.38	-65.97	-63.95	-68.57	-67.80	-63.26	-65.23	-56.65	-38.65	-27.00	-11.65
5670MHz	Pass	5.39G	5.47G	PK	5.4004G	18.00	-67.03	-65.88	-65.99	-61.29	-65.91	-64.79	-62.01	-65.65	-55.31	-37.31	-21.20	-16.11
5670MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-72.91	-74.24	-73.87	-72.87	-72.97	-73.06	-73.52	-74.30	-64.40	-46.40	-27.00	-19.40
5670MHz	Pass	5.725G	5.805G	PK	5.79012G	18.00	-55.48	-64.42	-65.60	-63.95	-50.19	-65.41	-63.34	-64.50	-48.37	-30.37	-27.00	-3.37
5670MHz	Pass	5.805G	8G	PK	5.82256G	18.00	-68.51	-66.62	-65.75	-62.68	-65.70	-66.93	-63.42	-66.42	-56.35	-38.35	-27.00	-11.35
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	1G	4.99G	AV	4.9885G	18.00	-75.59	-76.28	-75.74	-74.75	-74.85	-76.49	-73.91	-76.03	-66.34	-48.34	-41.20	-7.14
5290MHz	Pass	4.99G	5.15G	AV	5.14616G	18.00	-71.30	-73.62	-73.72	-73.75	-68.50	-71.97	-70.78	-73.32	-62.70	-44.70	-41.20	-3.50
5290MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-73.31	-74.69	-73.97	-73.94	-73.75	-73.58	-71.13	-73.14	-64.29	-46.29	-41.20	-5.09
5290MHz	Pass	5.35G	5.51G	AV	5.37592G	18.00	-71.67	-71.84	-72.61	-73.75	-71.81	-73.37	-74.96	-76.96	-64.04	-46.04	-41.20	-4.84
5290MHz	Pass	5.51G	8G	AV	7.34264G	18.00	-82.11	-81.34	-81.63	-81.49	-82.19	-81.27	-82.02	-82.12	-72.73	-54.73	-41.20	-13.53
5290MHz	Pass	1G	4.99G	PK	4.98003G	18.00	-68.00	-68.53	-66.89	-66.57	-67.92	-67.63	-66.48	-66.48	-58.22	-40.22	-21.20	-19.02
5290MHz	Pass	4.99G	5.15G	PK	5.14584G	18.00	-63.01	-62.79	-63.02	-64.01	-60.76	-62.77	-60.38	-63.30	-53.30	-35.30	-21.20	-14.10
5290MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-64.00	-64.52	-62.69	-63.92	-61.71	-64.07	-61.52	-63.77	-54.11	-36.11	-21.20	-14.91
5290MHz	Pass	5.35G	5.51G	PK	5.40952G	18.00	-54.16	-65.02	-65.34	-66.42	-52.09	-65.21	-65.66	-67.58	-49.36	-31.36	-21.20	-10.16
5290MHz	Pass	5.51G	8G	PK	5.78359G	18.00	-68.87	-68.10	-69.77	-70.09	-68.42	-69.98	-69.78	-58.71	-56.61	-38.61	-27.00	-11.61
5530MHz	Pass	1G	5.31G	AV	4.99214G	18.00	-71.87	-75.62	-74.29	-72.00	-72.41	-75.73	-75.38	-74.27	-64.64	-46.64	-41.20	-5.44
5530MHz	Pass	5.31G	5.47G	AV	5.37592G	18.00	-68.84	-68.70	-72.48	-69.65	-70.66	-74.46	-73.39	-74.40	-61.98	-43.98	-41.20	-2.78
5530MHz	Pass	5.885G	8G	AV	7.34171G	18.00	-82.13	-81.60	-81.47	-82.26	-81.56	-81.35	-82.12	-82.11	-72.78	-54.78	-41.20	-13.58
5530MHz	Pass	1G	5.31G	PK	5.18393G	18.00	-65.95	-65.09	-63.80	-66.52	-68.17	-69.26	-66.95	-66.27	-57.18	-39.18	-27.00	-12.18
5530MHz	Pass	5.31G	5.47G	PK	5.40984G	18.00	-52.13	-64.10	-64.82	-65.67	-49.64	-64.15	-65.88	-65.71	-47.24	-29.24	-21.20	-8.04
5530MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-73.32	-73.26	-73.91	-73.21	-72.44	-74.23	-73.41	-74.34	-64.44	-46.44	-27.00	-19.44
5530MHz	Pass	5.725G	5.885G	PK	5.79092G	18.00	-62.13	-65.54	-65.55	-65.83	-64.39	-67.35	-66.35	-64.59	-55.92	-37.92	-27.00	-10.92
5530MHz	Pass	5.885G	8G	PK	5.89637G	18.00	-70.03	-67.67	-68.10	-66.97	-67.02	-69.38	-66.94	-68.70	-58.94	-40.94	-27.00	-13.94
5610MHz	Pass	1G	5.31G	AV	4.99214G	18.00	-75.31	-77.32	-76.64	-72.66	-73.36	-76.61	-76.54	-75.48	-66.16	-48.16	-41.20	-6.96
5610MHz	Pass	5.31G	5.47G	AV	5.37592G	18.00	-70.08	-69.09	-73.76	-70.47	-71.56	-75.38	-74.98	-75.09	-62.88	-44.88	-41.20	-3.68
5610MHz	Pass	5.885G	8G	AV	7.50298G	18.00	-85.59	-85.10	-84.42	-84.58	-84.94	-85.03	-85.58	-85.45	-76.04	-58.04	-41.20	-16.84
5610MHz	Pass	1G	5.31G	PK	5.18447G	18.00	-64.71	-65.89	-65.21	-65.14	-67.59	-68.70	-68.99	-66.77	-57.33	-39.33	-27.00	-12.33
5610MHz	Pass	5.31G	5.47G	PK	5.3276G	18.00	-68.90	-67.45	-66.39	-67.85	-66.07	-67.10	-66.30	-67.76	-58.11	-40.11	-27.00	-13.11
5610MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-73.61	-73.54	-73.92	-72.69	-73.12	-73.01	-73.44	-73.98	-64.36	-46.36	-27.00	-19.36
5610MHz	Pass	5.725G	5.885G	PK	5.78004G	18.00	-66.03	-66.97	-67.26	-67.10	-66.17	-57.54	-66.13	-67.31	-54.86	-36.86	-27.00	-9.86
5610MHz	Pass	5.885G	8G	PK	5.8924G	18.00	-69.04	-68.26	-69.28	-67.72	-66.37	-68.53	-68.21	-67.69	-59.02	-41.02	-27.00	-14.02

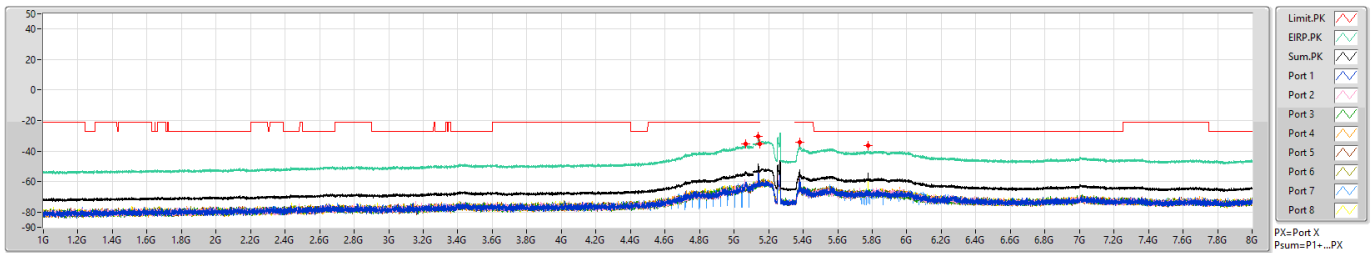
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11a_Nss1,(6Mbps)_8TX

5260MHz

CSE [PK]

29/09/2021



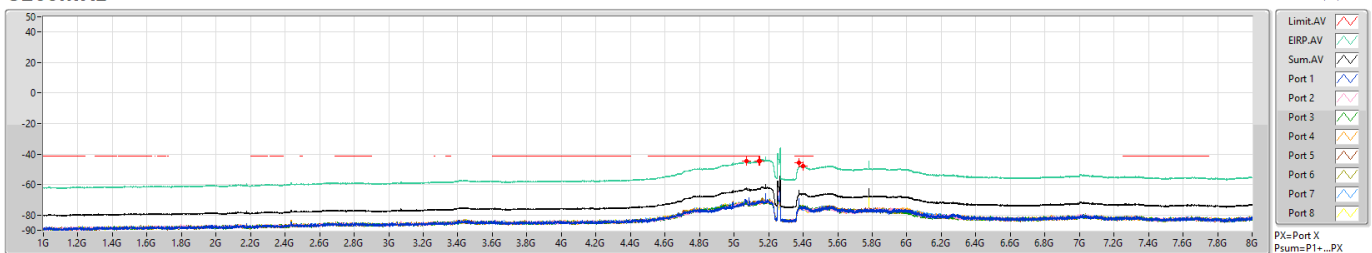
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
1G	5.11G	1M	PK	5.0653G	-35.41	-21.20	-14.21	18.00	0.00	-53.41	-60.66	-63.13	-64.13	-61.41	-64.00	-65.14	-62.14	-61.03
5.11G	5.15G	1M	PK	5.13992G	-30.30	-21.20	-9.10	18.00	0.00	-48.30	-53.76	-62.50	-62.28	-62.83	-51.57	-62.12	-62.44	-61.21
5.15G	5.35G	1M	PK	5.15G	-35.23	-21.20	-14.03	18.00	0.00	-53.23	-61.75	-62.54	-63.01	-63.47	-62.79	-62.39	-61.03	-61.62
5.35G	5.39G	1M	PK	5.38016G	-34.46	-21.20	-13.26	18.00	0.00	-52.46	-59.87	-66.64	-63.83	-65.74	-55.45	-63.87	-65.86	-66.37
5.39G	8G	1M	PK	5.77759G	-36.49	-27.00	-9.49	18.00	0.00	-54.49	-68.99	-68.55	-66.11	-68.86	-67.28	-68.51	-66.62	-56.11

802.11a_Nss1,(6Mbps)_8TX

5260MHz

CSE [AV]

29/09/2021



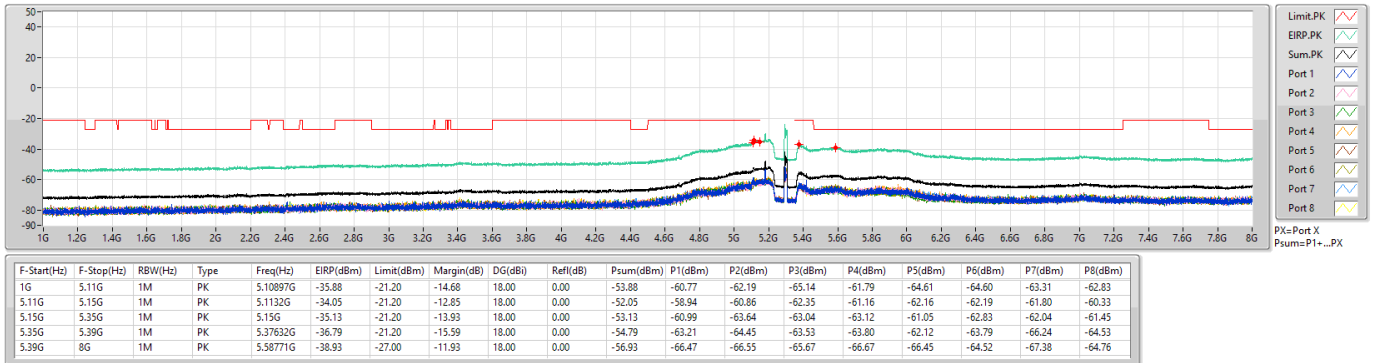
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
1G	5.11G	1M	AV	5.07096G	-44.38	-41.20	-3.18	18.00	0.00	-62.38	-70.80	-70.36	-72.09	-71.67	-72.04	-72.20	-70.88	-71.65
5.11G	5.15G	1M	AV	5.1444G	-44.59	-41.20	-3.39	18.00	0.00	-62.59	-71.00	-72.05	-71.51	-71.75	-71.71	-71.64	-72.14	-71.30
5.15G	5.35G	1M	AV	5.15G	-44.84	-41.20	-3.64	18.00	0.00	-62.84	-71.95	-71.90	-71.95	-72.62	-72.28	-71.32	-71.38	-71.69
5.35G	5.39G	1M	AV	5.376G	-45.67	-41.20	-4.47	18.00	0.00	-63.67	-69.33	-72.14	-73.44	-73.69	-71.18	-74.66	-75.64	-75.88
5.39G	8G	1M	AV	5.40044G	-48.00	-41.20	-6.80	18.00	0.00	-66.00	-75.26	-74.82	-74.79	-75.54	-75.21	-73.75	-75.47	-75.73

802.11a_Nss1,(6Mbps)_8TX

5300MHz

CSE [PK]

29/09/2021

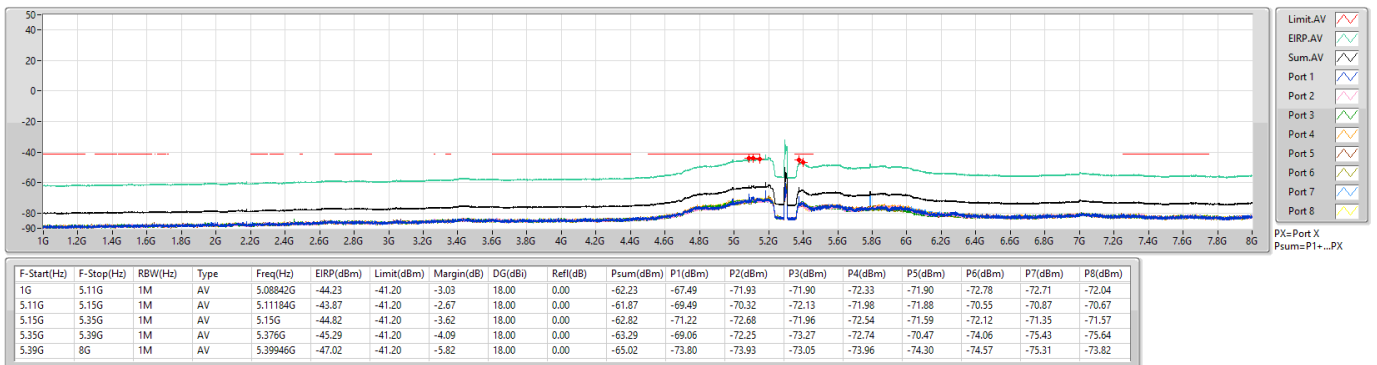


802.11a_Nss1,(6Mbps)_8TX

5300MHz

CSE [AV]

29/09/2021

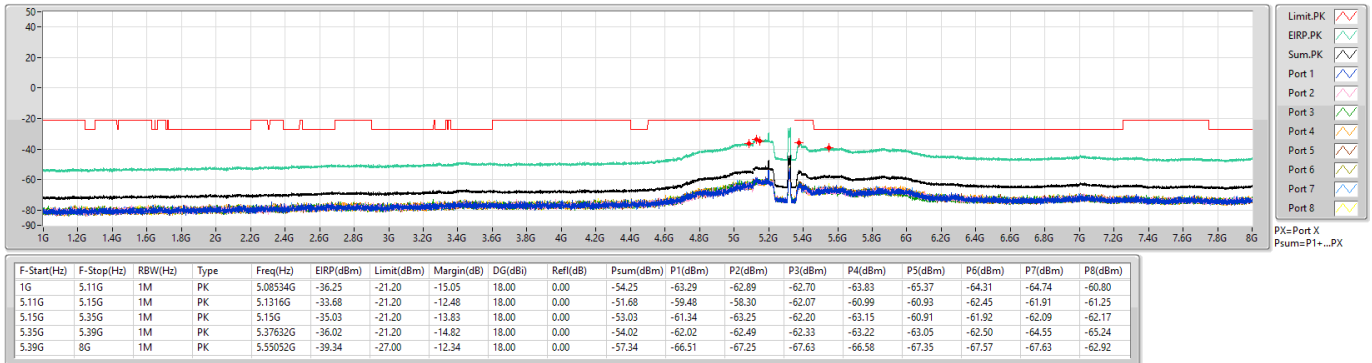


802.11a_Nss1,(6Mbps)_8TX

5320MHz

CSE [PK]

29/09/2021

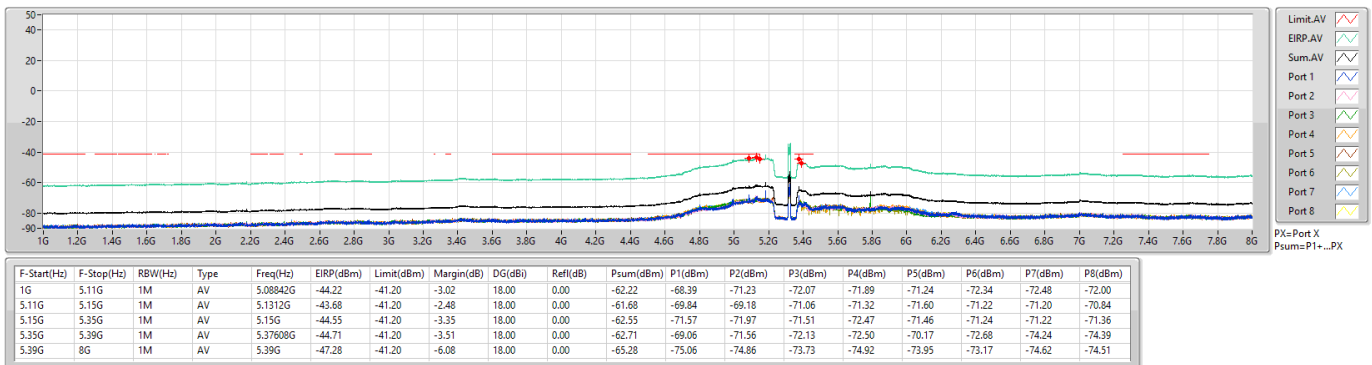


802.11a_Nss1,(6Mbps)_8TX

5320MHz

CSE [AV]

29/09/2021

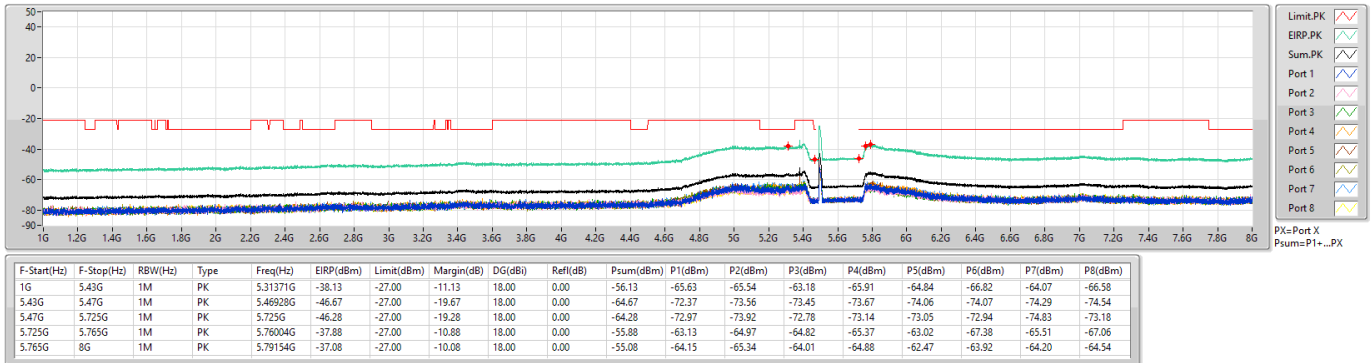


802.11a_Nss1,(6Mbps)_8TX

5500MHz

CSE [PK]

29/09/2021

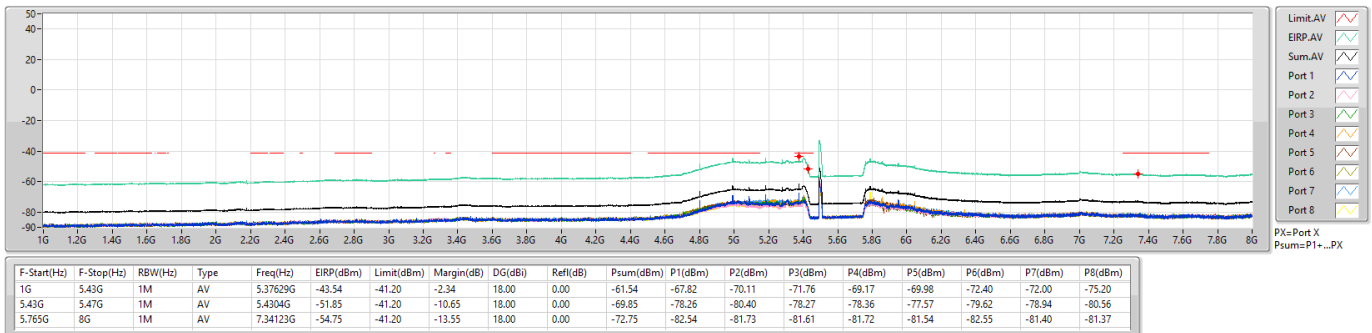


802.11a_Nss1,(6Mbps)_8TX

5500MHz

CSE [AV]

29/09/2021

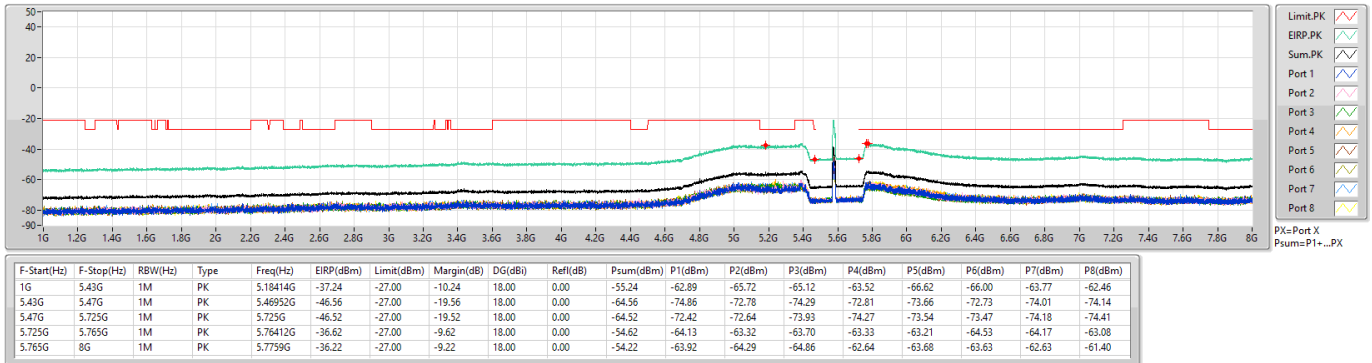


802.11a_Nss1,(6Mbps)_8TX

5580MHz

CSE [PK]

29/09/2021

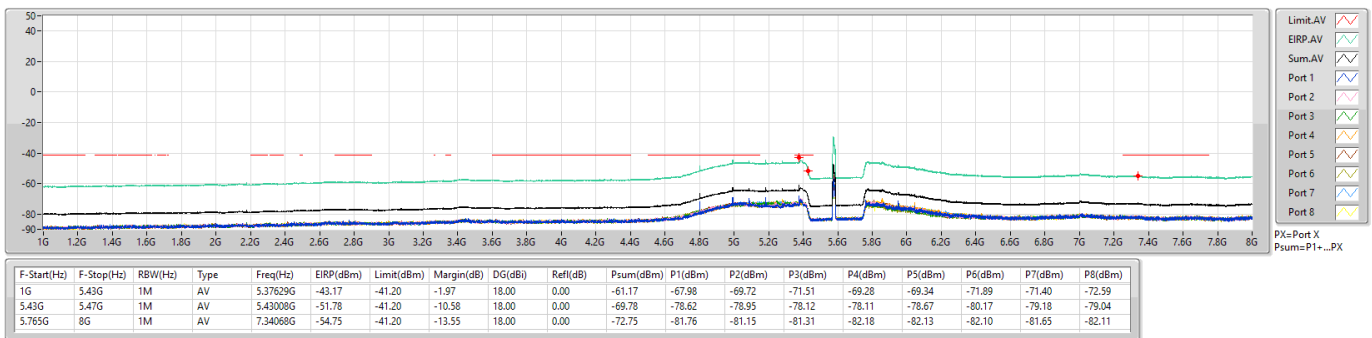


802.11a_Nss1,(6Mbps)_8TX

5580MHz

CSE [AV]

29/09/2021

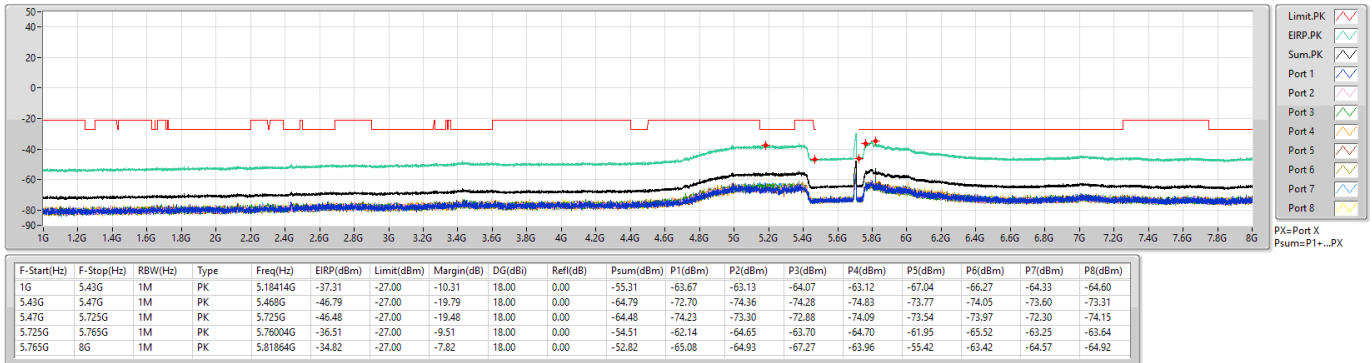


802.11a_Nss1,(6Mbps)_8TX

5700MHz

CSE [PK]

29/09/2021

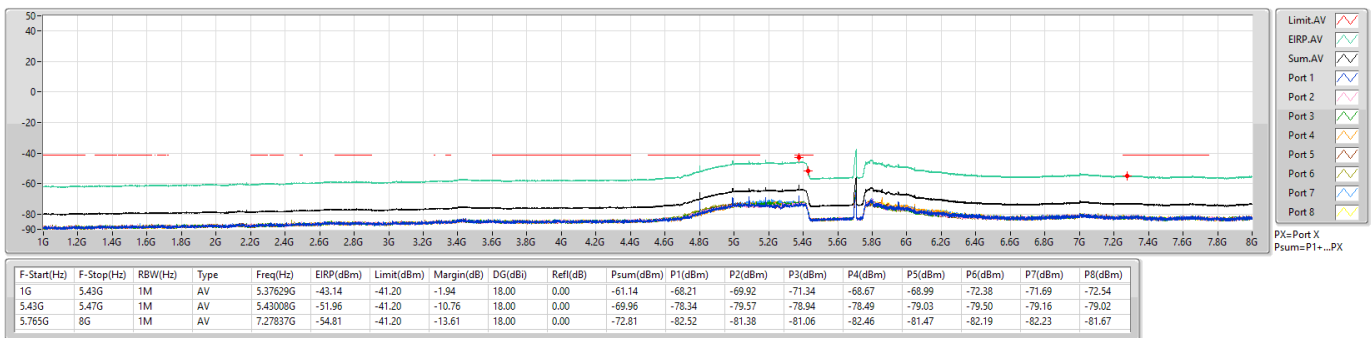


802.11a_Nss1,(6Mbps)_8TX

5700MHz

CSE [AV]

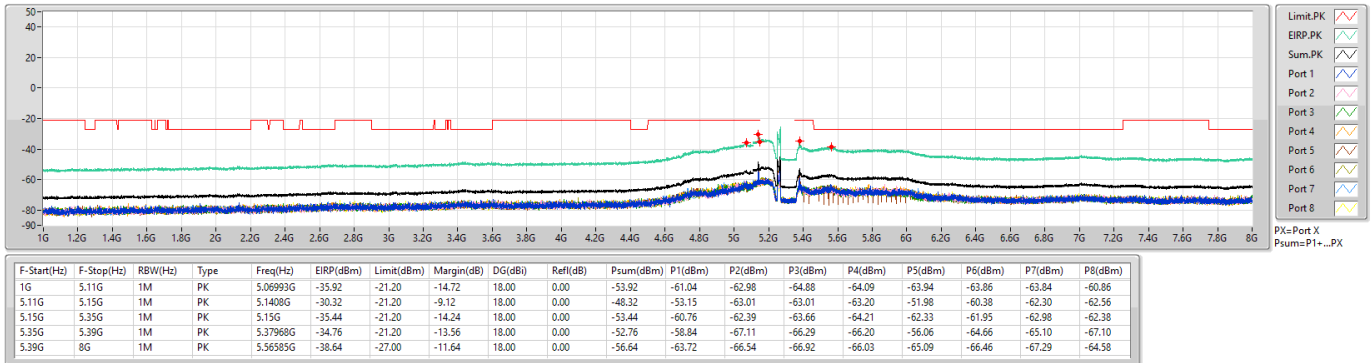
29/09/2021



802.11ax HEW20_Nss1,(MCS0)_8TX 5260MHz

CSE [PK]

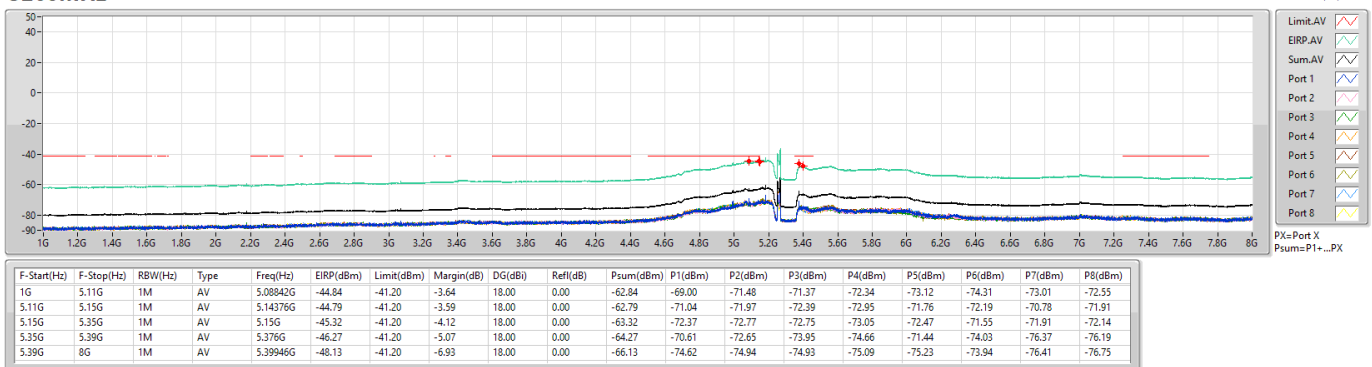
29/09/2021



802.11ax HEW20_Nss1,(MCS0)_8TX 5260MHz

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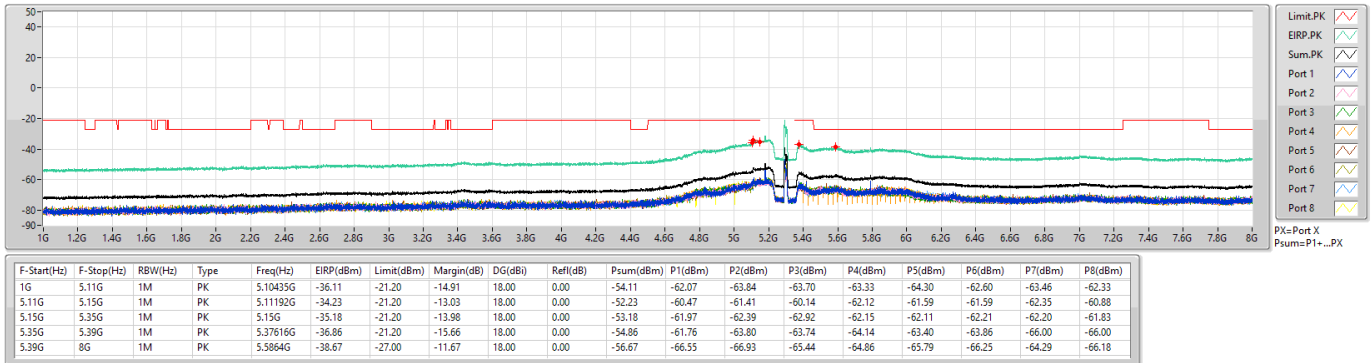
29/09/2021



802.11ax HEW20_Nss1,(MCS0)_8TX 5300MHz

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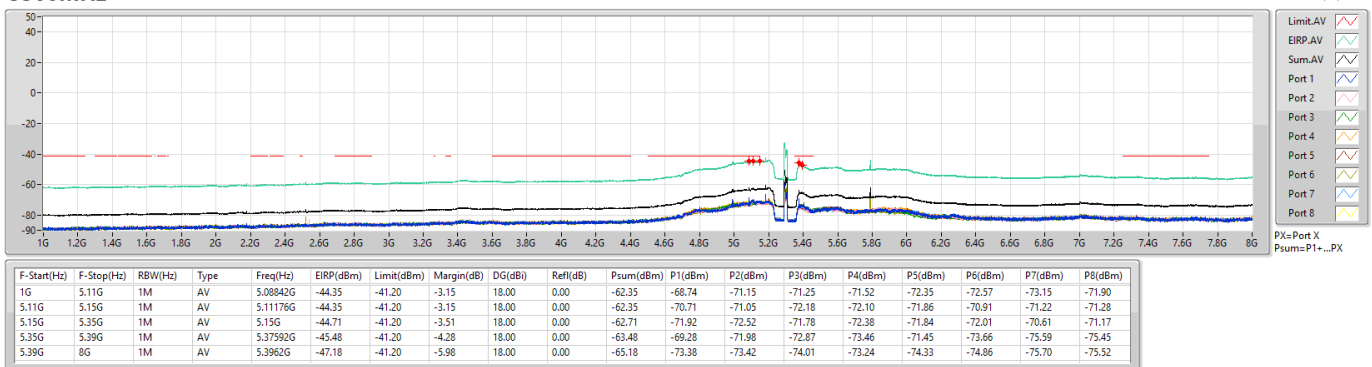
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802.11ax HEW20_Nss1,(MCS0)_8TX 5300MHz

CSE [AV]

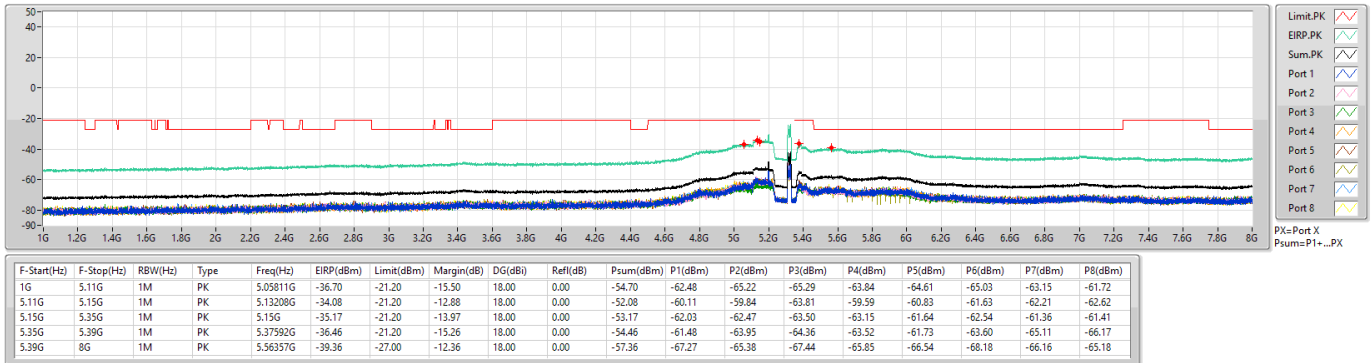
29/09/2021



802.11ax HEW20_Nss1,(MCS0)_8TX 5320MHz

CSE [PK]

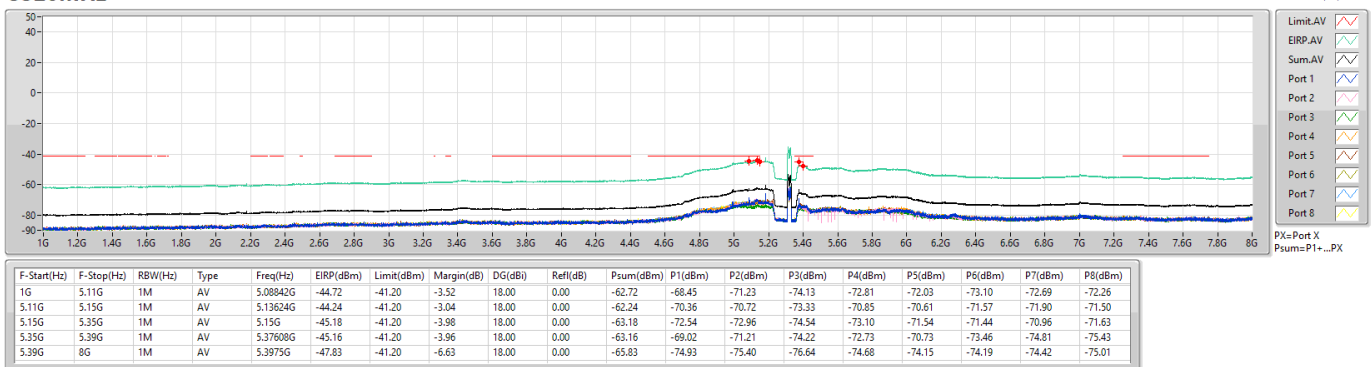
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802.11ax HEW20_Nss1,(MCS0)_8TX 5320MHz

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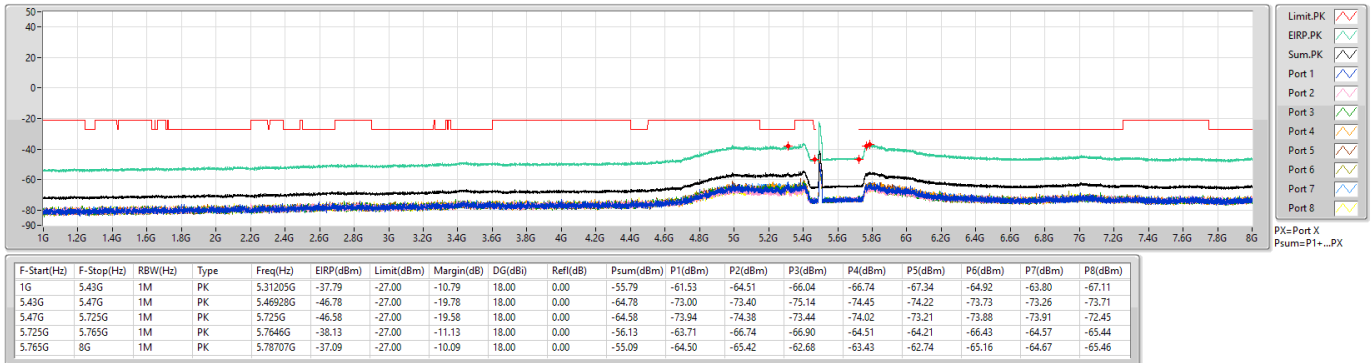
29/09/2021



802.11ax HEW20_Nss1,(MCS0)_8TX 5500MHz

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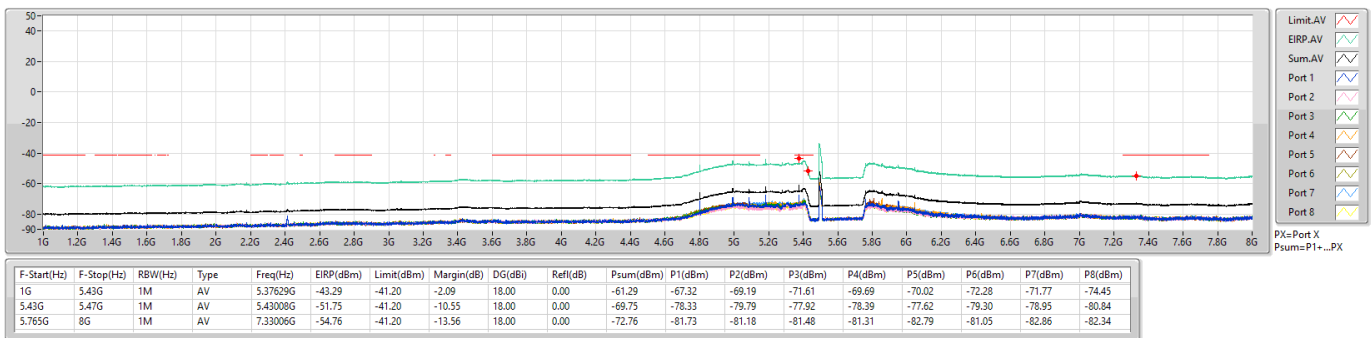
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802.11ax HEW20_Nss1,(MCS0)_8TX 5500MHz

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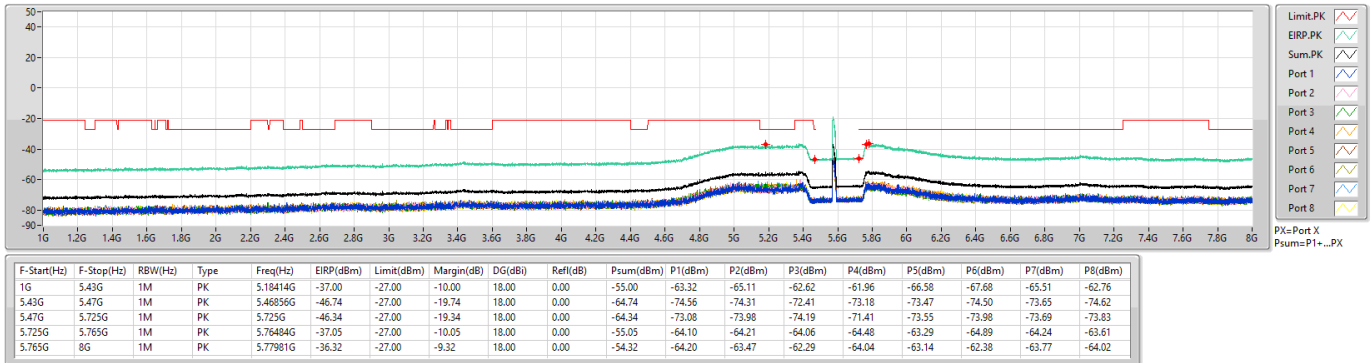
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802.11ax HEW20_Nss1,(MCS0)_8TX 5580MHz

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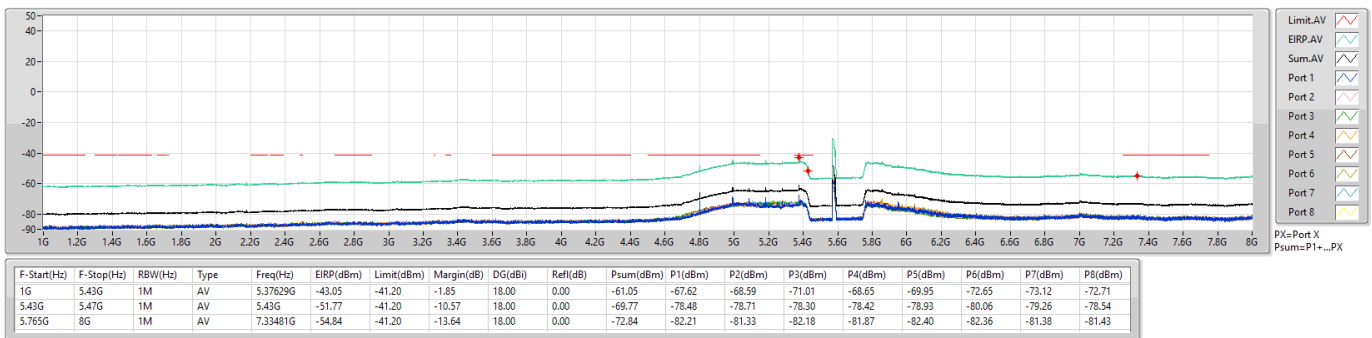
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802.11ax HEW20_Nss1,(MCS0)_8TX 5580MHz

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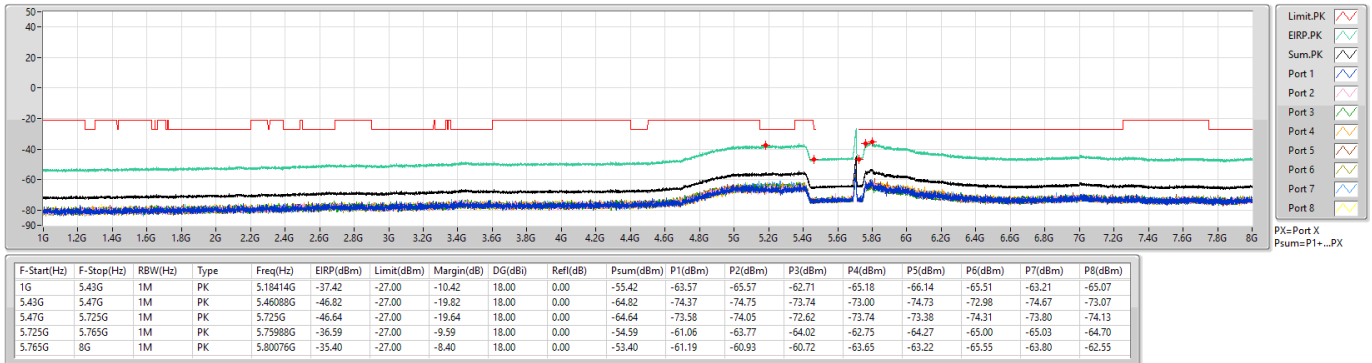
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802.11ax HEW20_Nss1,(MCS0)_8TX 5700MHz

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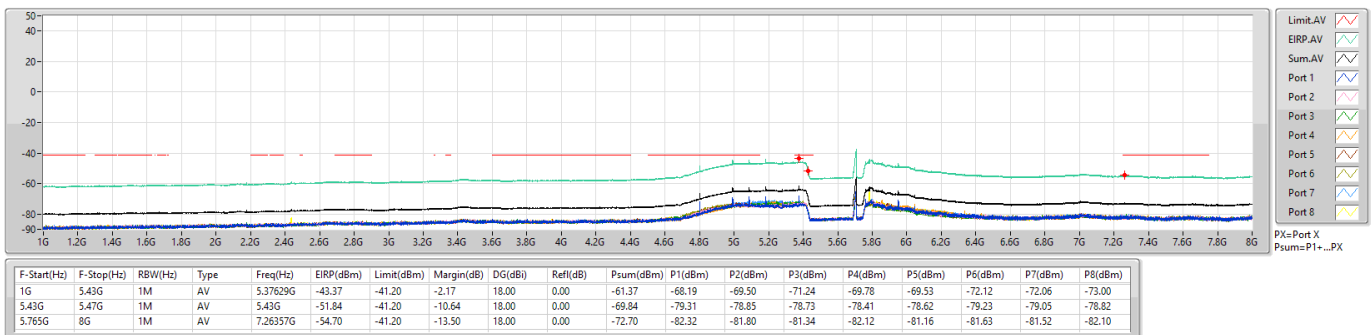
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802.11ax HEW20_Nss1,(MCS0)_8TX 5700MHz

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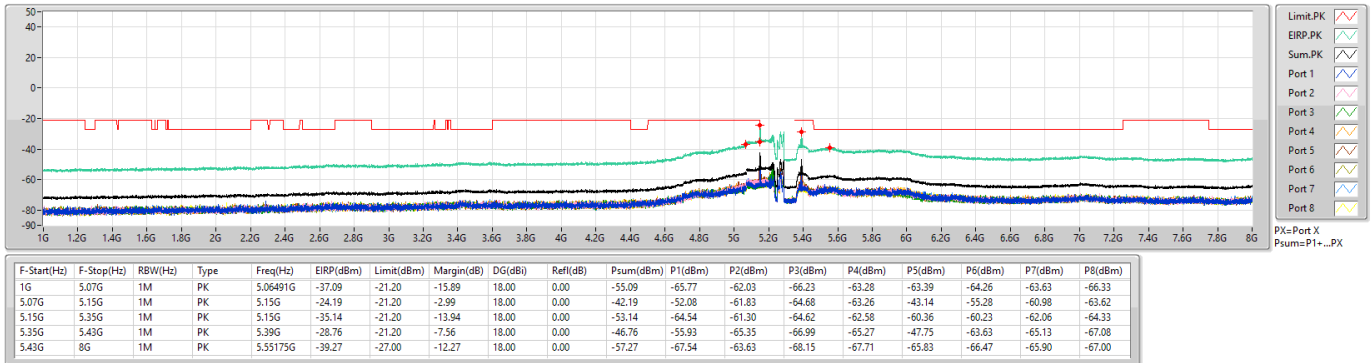
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802.11ax HEW40_Nss1,(MCS0)_8TX 5270MHz

CSE [PK]

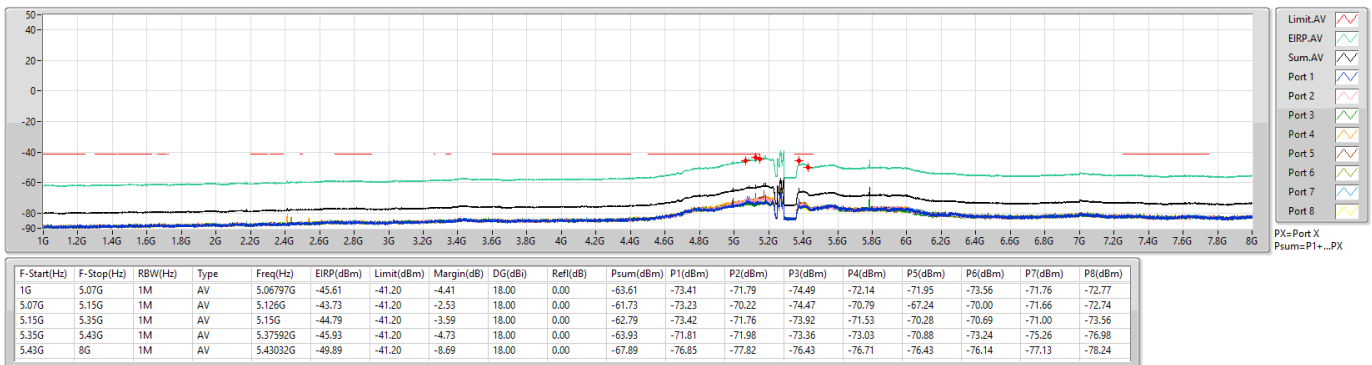
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802.11ax HEW40_Nss1,(MCS0)_8TX 5270MHz

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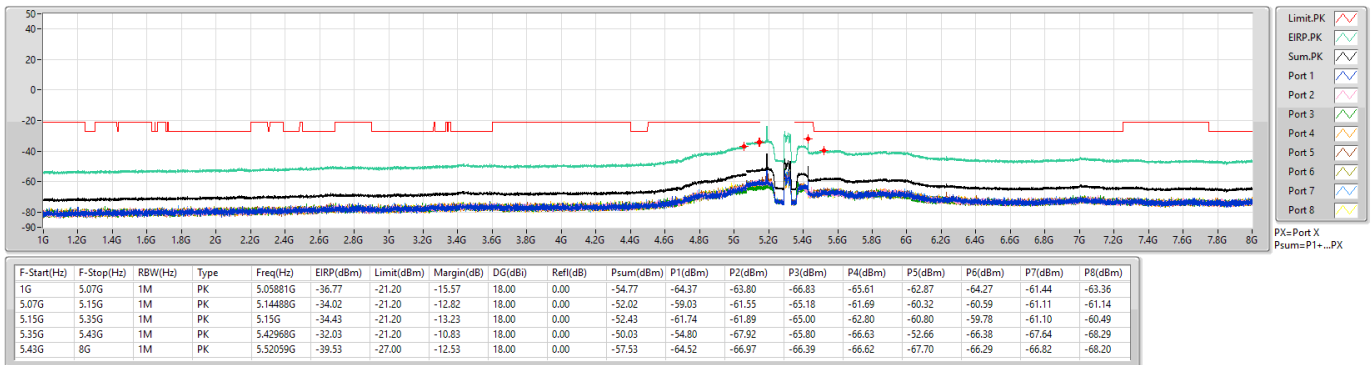
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802.11ax HEW40_Nss1,(MCS0)_8TX 5310MHz

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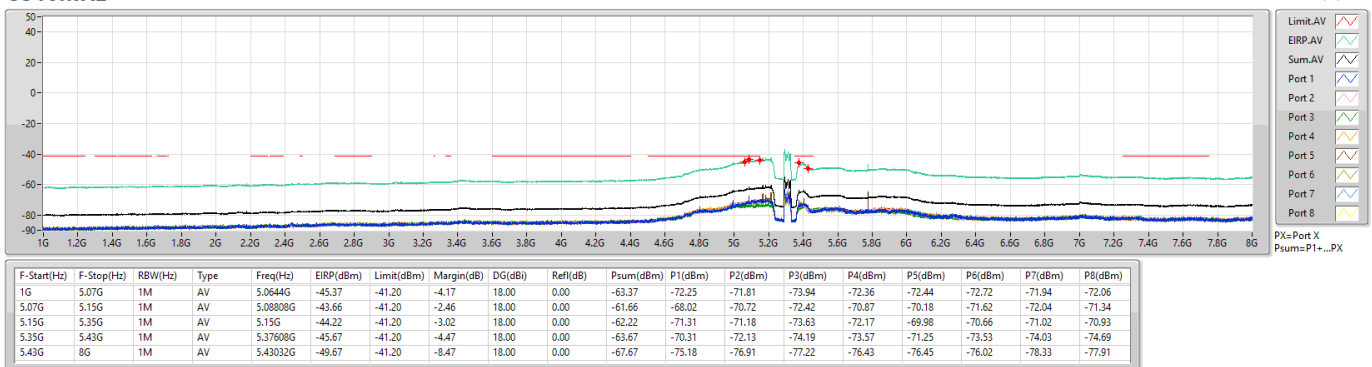
29/09/2021



802.11ax HEW40_Nss1,(MCS0)_8TX 5310MHz

CSE [AV]

29/09/2021

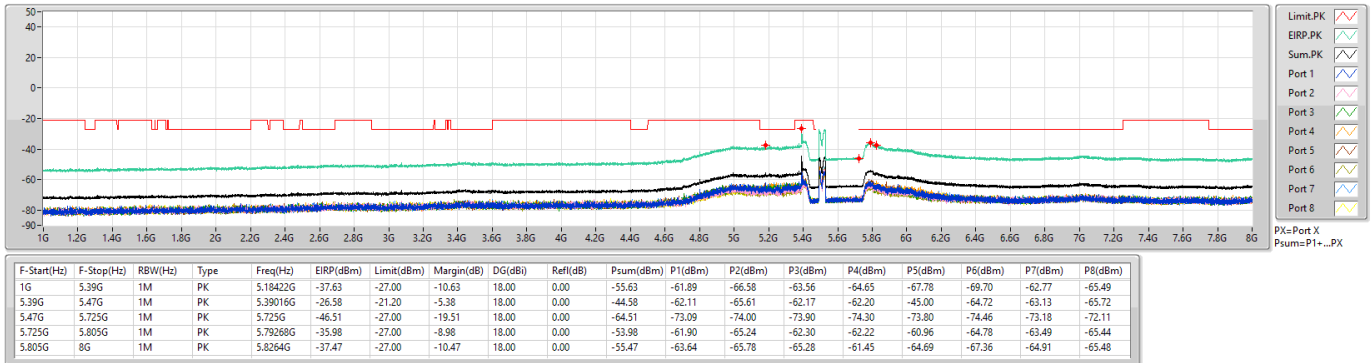


802.11ax HEW40_Nss1,(MCS0)_8TX

5510MHz

CSE [PK]

29/09/2021

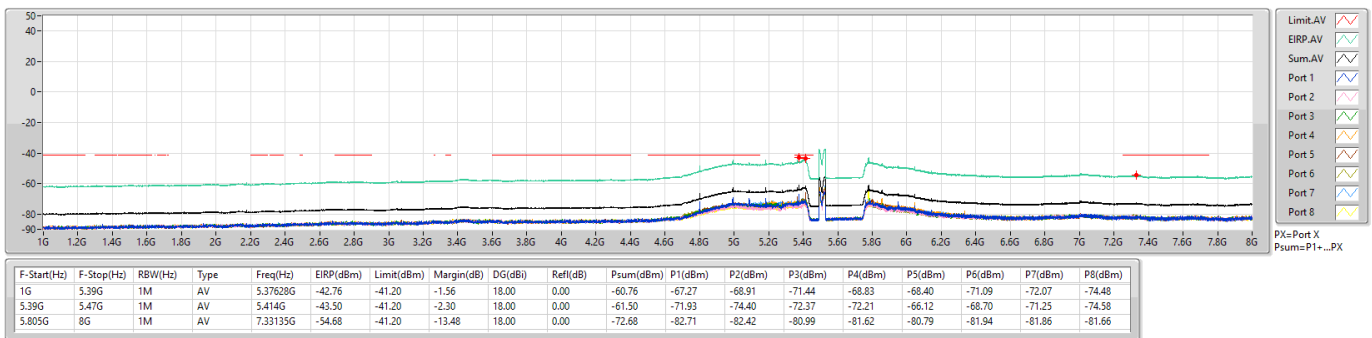


802.11ax HEW40_Nss1,(MCS0)_8TX

5510MHz

CSE [AV]

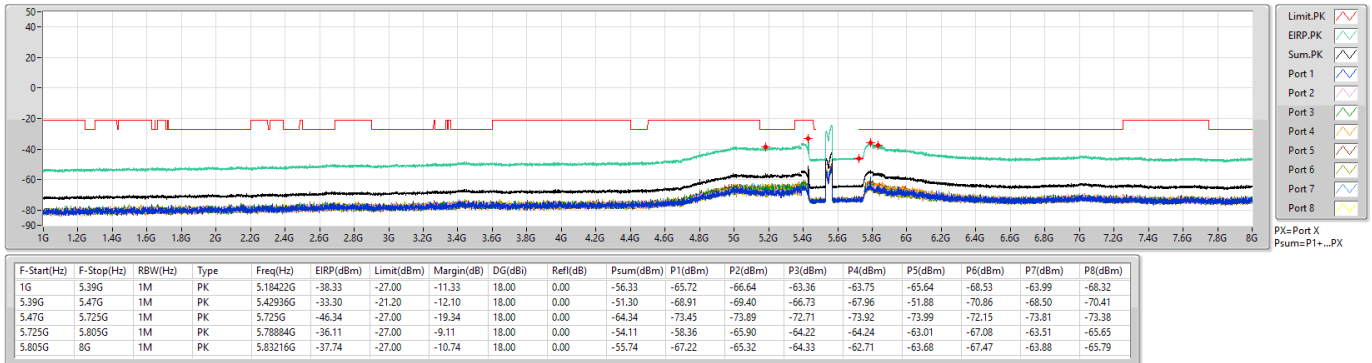
29/09/2021



802.11ax HEW40_Nss1,(MCS0)_8TX 5550MHz

CSE [PK]

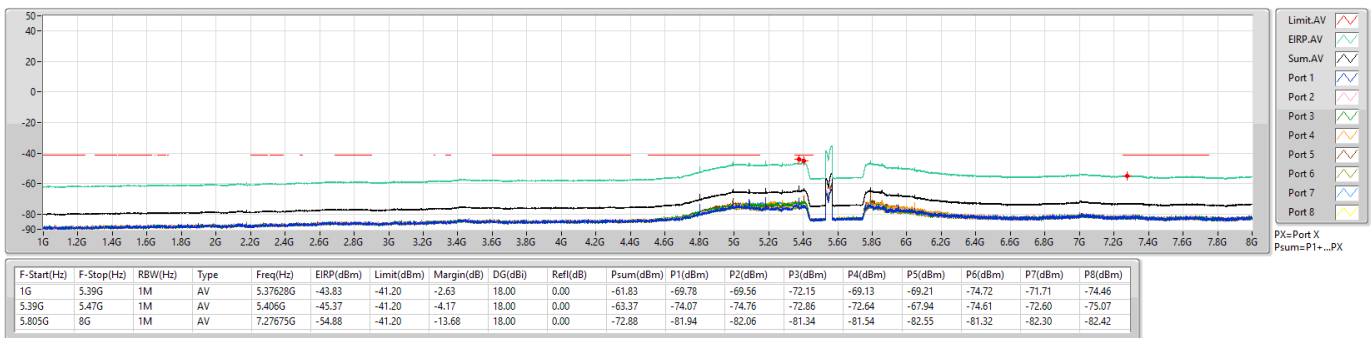
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802.11ax HEW40_Nss1,(MCS0)_8TX 5550MHz

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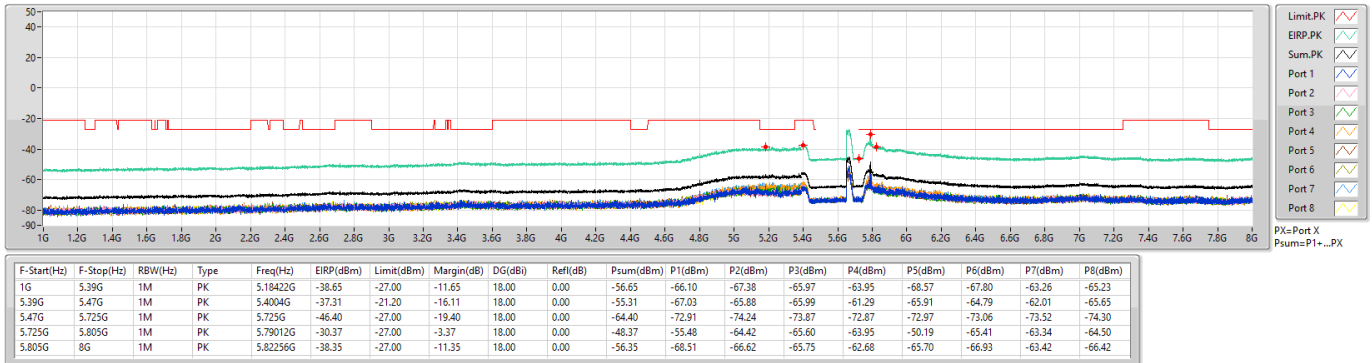
29/09/2021



802.11ax HEW40_Nss1,(MCS0)_8TX 5670MHz

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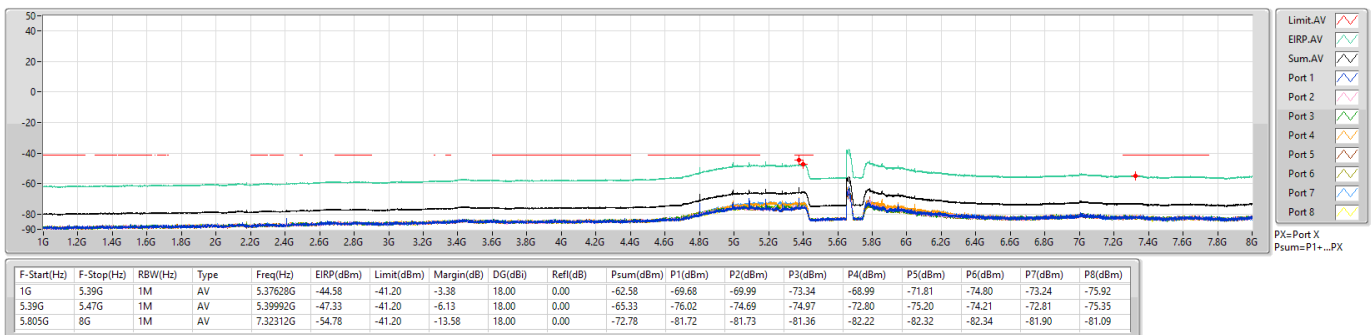
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802.11ax HEW40_Nss1,(MCS0)_8TX 5670MHz

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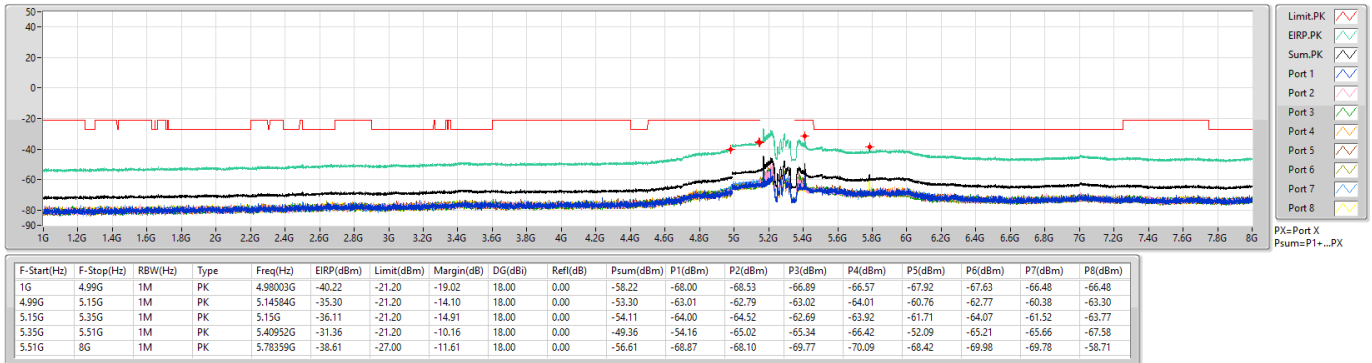
29/09/2021



802.11ax HEW80_Nss1,(MCS0)_8TX 5290MHz

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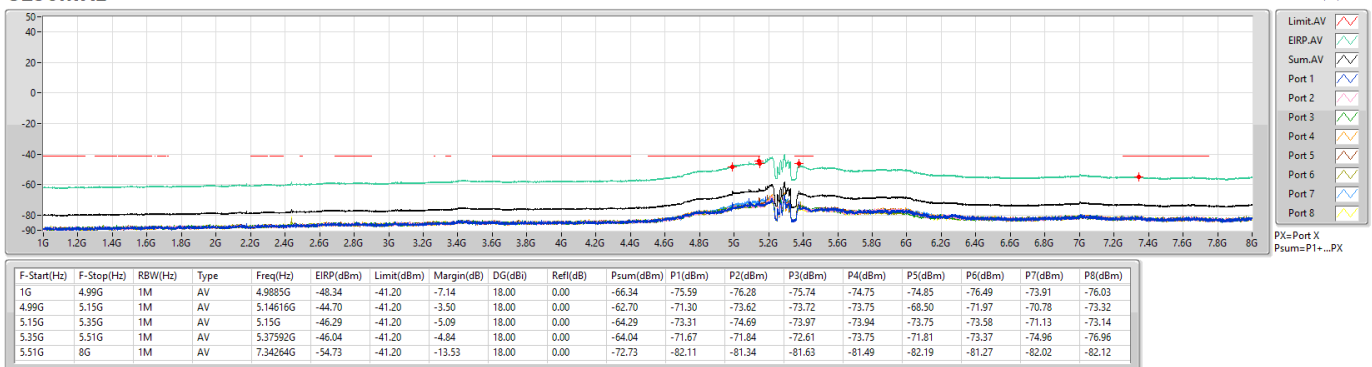
29/09/2021



802.11ax HEW80_Nss1,(MCS0)_8TX 5290MHz

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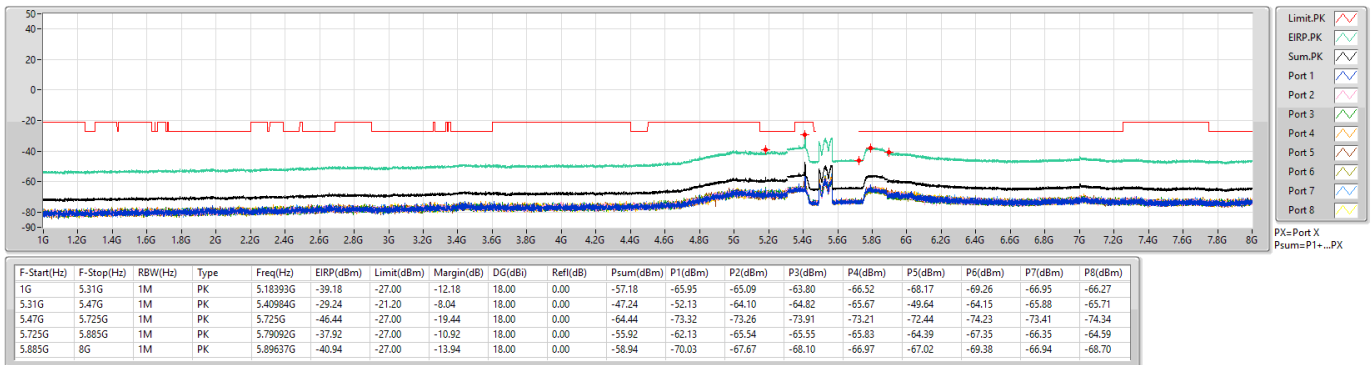
29/09/2021



802.11ax HEW80_Nss1,(MCS0)_8TX 5530MHz

CSE [PK]

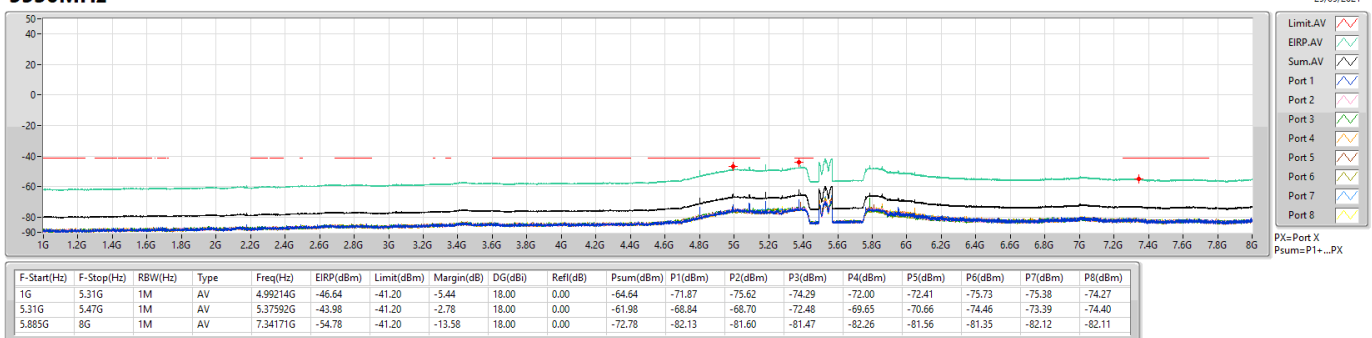
29/09/2021



802.11ax HEW80_Nss1,(MCS0)_8TX 5530MHz

CSE [AV]

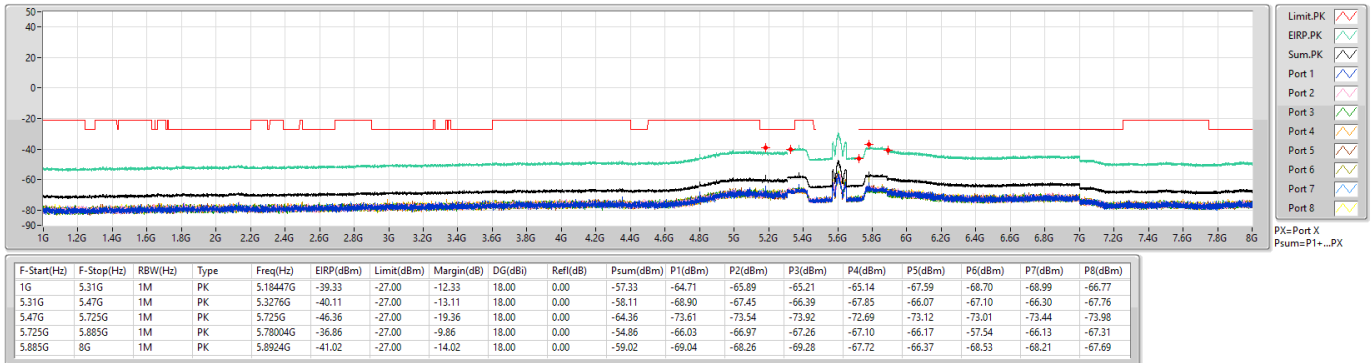
29/09/2021



802.11ax HEW80_Nss1,(MCS0)_8TX 5610MHz

CSE [PK]

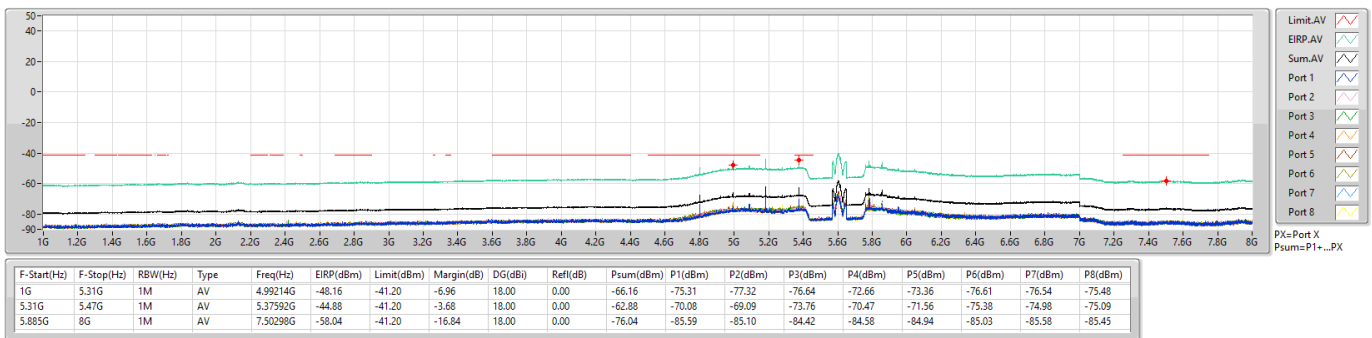
05/11/2021



802.11ax HEW80_Nss1,(MCS0)_8TX 5610MHz

CSE [AV]

05/11/2021





CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz)
Result_Conducted Test_Radio 1 + Antenna Set 1

Appendix D.2

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	Pass	12G	40G	AV	39.349G	18.00	-71.99	-72.34	-72.16	-71.91	-73.21	-71.85	-71.76	-72.25	-63.13	-45.13	-41.20	-3.93
802.11ax HEW20_Nss1,(MCS0)_8TX	Pass	12G	40G	AV	39.349G	18.00	-71.89	-71.65	-72.45	-72.18	-71.78	-72.76	-72.39	-72.40	-63.14	-45.14	-41.20	-3.94
802.11ax HEW40_Nss1,(MCS0)_8TX	Pass	12G	40G	AV	39.3385G	18.00	-72.01	-72.13	-71.85	-72.72	-72.63	-72.19	-72.11	-71.49	-63.09	-45.09	-41.20	-3.89
802.11ax HEW80_Nss1,(MCS0)_8TX	Pass	12G	40G	AV	39.349G	18.00	-72.10	-71.73	-72.04	-72.69	-72.37	-71.66	-72.67	-72.24	-63.14	-45.14	-41.20	-3.94
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	Pass	12G	40G	AV	39.349G	18.00	-72.01	-72.32	-71.71	-72.49	-72.38	-72.13	-72.27	-72.34	-63.17	-45.17	-41.20	-3.97
802.11ax HEW20_Nss1,(MCS0)_8TX	Pass	12G	40G	AV	39.349G	18.00	-72.94	-72.76	-71.75	-72.28	-71.15	-72.03	-72.62	-71.87	-63.11	-45.11	-41.20	-3.91
802.11ax HEW40_Nss1,(MCS0)_8TX	Pass	12G	40G	AV	39.321G	18.00	-72.62	-72.26	-72.60	-72.33	-72.07	-72.68	-72.29	-70.97	-63.16	-45.16	-41.20	-3.96
802.11ax HEW80_Nss1,(MCS0)_8TX	Pass	12G	40G	AV	39.3175G	18.00	-72.30	-72.16	-72.18	-72.89	-71.97	-71.57	-72.34	-72.51	-63.19	-45.19	-41.20	-3.99

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



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz)
Result_Conducted Test_Radio 1 + Antenna Set 1

Appendix D.2

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11a_Nss1,(6Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8G	12G	AV	10.6225G	18.00	-81.91	-81.29	-81.45	-81.13	-80.43	-81.87	-81.42	-80.87	-72.24	-54.24	-41.20	-13.04
5260MHz	Pass	12G	40G	AV	39.3455G	18.00	-72.25	-72.54	-72.15	-72.11	-71.88	-71.93	-72.69	-72.18	-63.18	-45.18	-41.20	-3.98
5260MHz	Pass	8G	12G	PK	10.5275G	18.00	-72.51	-71.79	-73.74	-71.90	-73.13	-72.61	-72.63	-72.40	-63.52	-45.52	-27.00	-18.52
5260MHz	Pass	8G	12G	PK	10.582G	18.00	-73.43	-71.41	-69.85	-71.82	-71.72	-72.57	-72.53	-71.91	-62.76	-44.76	-27.00	-17.76
5260MHz	Pass	12G	40G	PK	38.5545G	18.00	-66.26	-66.45	-63.95	-64.32	-67.80	-66.83	-64.32	-65.55	-56.46	-38.46	-27.00	-11.46
5300MHz	Pass	8G	12G	AV	10.6025G	18.00	-81.52	-81.31	-80.95	-80.62	-81.74	-81.89	-81.19	-81.48	-72.29	-54.29	-41.20	-13.09
5300MHz	Pass	12G	40G	AV	39.349G	18.00	-71.99	-72.34	-72.16	-71.91	-73.21	-71.85	-71.76	-72.25	-63.13	-45.13	-41.20	-3.93
5300MHz	Pass	8G	12G	PK	10.266G	18.00	-72.75	-71.44	-71.81	-72.44	-70.58	-73.58	-72.55	-71.77	-63.00	-45.00	-27.00	-18.00
5300MHz	Pass	8G	12G	PK	10.5995G	18.00	-72.20	-72.46	-72.74	-71.91	-72.36	-71.41	-71.78	-72.05	-63.07	-45.07	-27.00	-18.07
5300MHz	Pass	12G	40G	PK	38.18G	18.00	-66.87	-64.66	-65.17	-65.38	-64.87	-67.58	-65.74	-64.39	-56.44	-38.44	-27.00	-11.44
5320MHz	Pass	8G	12G	AV	10.616G	18.00	-81.08	-81.05	-82.05	-80.91	-81.13	-81.02	-81.14	-82.29	-72.28	-54.28	-41.20	-13.08
5320MHz	Pass	8G	12G	AV	10.642G	18.00	-82.17	-81.21	-81.60	-82.10	-81.77	-81.40	-81.43	-81.57	-72.61	-54.61	-41.20	-13.41
5320MHz	Pass	12G	40G	AV	39.3385G	18.00	-72.74	-72.20	-71.93	-71.95	-72.10	-71.83	-72.21	-72.54	-63.15	-45.15	-41.20	-3.95
5320MHz	Pass	8G	12G	PK	10.2855G	18.00	-72.25	-71.62	-72.23	-73.16	-73.92	-70.66	-70.11	-73.70	-62.98	-44.98	-27.00	-17.98
5320MHz	Pass	8G	12G	PK	10.6405G	18.00	-72.76	-72.24	-71.86	-72.34	-72.25	-70.82	-73.15	-72.83	-63.20	-45.20	-21.20	-24.00
5320MHz	Pass	12G	40G	PK	37.865G	18.00	-64.37	-64.91	-66.89	-64.66	-65.52	-65.03	-65.17	-67.22	-56.34	-38.34	-27.00	-11.34
5500MHz	Pass	8G	12G	AV	10.603G	18.00	-81.88	-80.27	-81.69	-81.11	-82.07	-81.53	-80.96	-81.78	-72.34	-54.34	-41.20	-13.14
5500MHz	Pass	8G	12G	AV	11.0035G	18.00	-83.51	-82.84	-82.77	-83.23	-82.21	-83.72	-83.61	-82.88	-74.04	-56.04	-41.20	-14.84
5500MHz	Pass	12G	40G	AV	39.349G	18.00	-72.61	-71.74	-72.26	-72.82	-72.21	-72.44	-72.36	-71.74	-63.23	-45.23	-41.20	-4.03
5500MHz	Pass	8G	12G	PK	10.594G	18.00	-71.04	-72.75	-71.33	-71.89	-71.74	-71.70	-71.60	-73.18	-62.82	-44.82	-27.00	-17.82
5500MHz	Pass	8G	12G	PK	10.992G	18.00	-74.53	-73.97	-73.34	-72.47	-73.43	-74.35	-73.03	-74.35	-64.60	-46.60	-21.20	-25.40
5500MHz	Pass	12G	40G	PK	37.326G	18.00	-66.39	-66.28	-67.11	-67.06	-64.63	-65.53	-65.01	-62.72	-56.33	-38.33	-27.00	-11.33
5580MHz	Pass	8G	12G	AV	10.63G	18.00	-81.57	-81.43	-81.01	-80.66	-81.57	-82.02	-80.20	-82.28	-72.26	-54.26	-41.20	-13.06
5580MHz	Pass	8G	12G	AV	11.1535G	18.00	-81.98	-80.98	-81.61	-82.60	-81.26	-82.07	-81.62	-82.38	-72.75	-54.75	-41.20	-13.55
5580MHz	Pass	12G	40G	AV	39.349G	18.00	-72.01	-72.32	-71.71	-72.49	-72.38	-72.13	-72.27	-72.34	-63.17	-45.17	-41.20	-3.97
5580MHz	Pass	8G	12G	PK	10.261G	18.00	-71.22	-72.34	-70.36	-73.06	-73.84	-72.34	-73.38	-70.84	-62.98	-44.98	-27.00	-17.98
5580MHz	Pass	8G	12G	PK	11.162G	18.00	-72.94	-72.55	-73.20	-71.74	-71.74	-73.72	-71.90	-71.05	-63.24	-45.24	-21.20	-24.04
5580MHz	Pass	12G	40G	PK	38.173G	18.00	-65.98	-65.52	-64.18	-66.98	-65.55	-66.93	-62.78	-66.23	-56.27	-38.27	-27.00	-11.27
5700MHz	Pass	8G	12G	AV	10.601G	18.00	-81.76	-81.47	-80.51	-81.09	-82.05	-81.62	-81.30	-81.68	-72.38	-54.38	-41.20	-13.18
5700MHz	Pass	8G	12G	AV	11.397G	18.00	-82.36	-82.88	-83.44	-81.98	-82.21	-81.40	-82.39	-82.56	-73.34	-55.34	-41.20	-14.14
5700MHz	Pass	12G	40G	AV	39.349G	18.00	-72.96	-71.63	-71.77	-72.35	-71.61	-72.60	-72.80	-72.52	-63.22	-45.22	-41.20	-4.02
5700MHz	Pass	8G	12G	PK	10.5945G	18.00	-71.29	-73.24	-73.17	-71.61	-72.61	-71.40	-72.64	-70.01	-62.84	-44.84	-27.00	-17.84
5700MHz	Pass	8G	12G	PK	11.392G	18.00	-72.09	-71.81	-73.79	-72.30	-74.34	-72.96	-73.87	-73.63	-63.98	-45.98	-21.20	-24.78
5700MHz	Pass	12G	40G	PK	38.166G	18.00	-68.47	-66.02	-66.36	-63.97	-63.59	-65.86	-66.07	-65.27	-56.45	-38.45	-27.00	-11.45
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8G	12G	AV	10.6105G	18.00	-80.93	-81.58	-81.44	-81.08	-81.80	-81.31	-80.86	-81.62	-72.28	-54.28	-41.20	-13.08
5260MHz	Pass	12G	40G	AV	39.356G	18.00	-71.87	-72.75	-72.70	-72.31	-72.09	-71.50	-72.07	-72.79	-63.21	-45.21	-41.20	-4.01
5260MHz	Pass	8G	12G	PK	10.2445G	18.00	-73.06	-72.27	-70.95	-73.47	-71.13	-72.45	-70.52	-73.31	-62.98	-44.98	-27.00	-17.98
5260MHz	Pass	8G	12G	PK	10.5265G	18.00	-73.53	-74.66	-73.62	-71.29	-71.36	-72.98	-73.18	-71.80	-63.63	-45.63	-27.00	-18.63
5260MHz	Pass	12G	40G	PK	38.2115G	18.00	-64.64	-65.30	-67.77	-65.60	-66.25	-64.87	-68.50	-62.68	-56.34	-38.34	-27.00	-11.34
5300MHz	Pass	8G	12G	AV	10.6035G	18.00	-80.99	-82.24	-80.59	-81.52	-80.30	-81.71	-81.29	-81.64	-72.21	-54.21	-41.20	-13.01
5300MHz	Pass	12G	40G	AV	39.349G	18.00	-71.89	-71.65	-72.45	-72.18	-71.78	-72.76	-72.39	-72.40	-63.14	-45.14	-41.20	-3.94
5300MHz	Pass	8G	12G	PK	10.587G	18.00	-73.03	-69.50	-72.55	-73.17	-72.20	-72.02	-72.09	-73.77	-63.08	-45.08	-27.00	-18.08
5300MHz	Pass	8G	12G	PK	10.5935G	18.00	-73.13	-73.57	-73.05	-72.02	-72.48	-71.97	-70.52	-71.45	-63.14	-45.14	-27.00	-18.14
5300MHz	Pass	12G	40G	PK	38.159G	18.00	-64.86	-64.83	-66.27	-65.99	-64.68	-65.18	-63.56	-66.57	-56.11	-38.11	-27.00	-11.11
5320MHz	Pass	8G	12G	AV	10.6G	18.00	-81.19	-81.05	-81.66	-81.48	-81.29	-81.65	-80.29	-81.53	-72.22	-54.22	-41.20	-13.02
5320MHz	Pass	8G	12G	AV	10.64G	18.00	-81.47	-80.79	-81.32	-82.28	-81.53	-81.24	-81.89	-82.19	-72.53	-54.53	-41.20	-13.33
5320MHz	Pass	12G	40G	AV	39.342G	18.00	-71.82	-72.56	-72.63	-72.04	-72.38	-72.75	-71.38	-72.23	-63.17	-45.17	-41.20	-3.97
5320MHz	Pass	8G	12G	PK	10.576G	18.00	-73.24	-73.23	-71.70	-73.65	-72.16	-71.34	-69.53	-72.15	-62.90	-44.90	-27.00	-17.90
5320MHz	Pass	8G	12G	PK	10.632G	18.00	-72.30	-71.02	-73.21	-72.10	-72.46	-73.10	-73.66	-71.70	-63.34	-45.34	-21.20	-24.14
5320MHz	Pass	12G	40G	PK	38.5895G	18.00	-66.51	-63.62	-65.95	-67.64	-64.87	-64.90	-66.11	-66.13	-56.53	-38.53	-27.00	-11.53
5500MHz	Pass	8G	12G	AV	10.613G	18.00	-81.14	-81.41	-81.81	-81.27	-81.14	-81.38	-81.32	-81.42	-72.33	-54.33	-41.20	-13.13
5500MHz	Pass	8G	12G	AV	11.006G	18.00	-83.67	-83.67	-82.32	-83.31	-82.79	-82.92	-82.51	-83.64	-74.04	-56.04	-41.20	-14.84
5500MHz	Pass	12G	40G	AV	39.349G	18.00	-72.22	-72.23	-71.72	-72.14	-71.98	-72.01	-72.40	-72.66	-63.13	-45.13	-41.20	-3.93
5500MHz	Pass	8G	12G	PK	10.2725G	18.00	-73.12	-71.06	-70.22	-73.08	-71.23	-71.35	-71.56	-72.19	-62.59	-44.59	-27.00	-17.59
5500MHz	Pass	8G	12G	PK	10.9935G	18.00	-73.98	-73.45	-74.49	-74.27	-73.68	-73.49	-71.48	-73.93	-64.47	-46.47	-21.20	-25.27
5500MHz	Pass	12G	40G	PK	38.145G	18.00	-66.39	-64.99	-66.06	-65.45	-65.25	-65.93	-63.13	-66.53	-56.30	-38.30	-27.00	-11.30
5580MHz	Pass	8G	12G	AV	10.601G	18.00	-82.09	-81.95	-81.49	-80.51	-81.71	-81.05	-80.28	-81.45	-72.24	-54.24	-41.20	-13.04
5580MHz	Pass	8G	12G	AV	11.1545G	18.00	-81.53	-81.88	-81.53	-82.10	-81.23	-81.55	-81.89	-81.39	-72.60	-54.60	-41.20	-13.40
5580MHz	Pass	12G	40G	AV	39.349G	18.00	-72.94	-72.76	-71.75	-72.28	-71.15	-72.03	-72.62	-71.87	-63.11	-45.11	-41.20	-3.91
5580MHz	Pass	8G	12G	PK	10.2545G	18.00	-72.83	-71.62	-72.28	-71.64	-71.89	-72.94	-73.01	-70.61	-63.00	-45.00	-27.00	-18.00
5580MHz	Pass	8G	12G	PK	11.167G	18.00	-72.46	-72.23	-72.84	-73.36	-72.86	-72.26	-72.71	-71.72	-63.50	-45.50	-21.20	-24.30
5580MHz	Pass	12G	40G	PK	38.201G	18.00	-67.54	-65.42	-64.21	-66.02	-67.77	-64.63	-64.88	-64.15	-56.36	-38.36	-27.00	-11.36
5700MHz	Pass	8G	12G	AV	10.6105G	18.00	-81.08	-81.86	-79.90	-81.20	-80.95	-81.37	-81.69	-81.79	-72.16	-54.16	-41.20	-12.96
5700MHz	Pass	8G	12G	AV	11.398G	18.00	-82.11	-82.86	-82.22	-82.25	-82.76	-83.43	-82.37	-82.33	-73.49	-55.49	-41.20	-14.



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz)

Result_Conducted Test_Radio 1 + Antenna Set 1

Appendix D.2

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5700MHz	Pass	12G	40G	PK	38.53G	18.00	-66.62	-67.97	-64.55	-64.51	-64.50	-64.20	-64.70	-67.46	-56.32	-38.32	-27.00	-11.32
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	8G	12G	AV	10.6455G	18.00	-81.00	-81.53	-81.62	-80.73	-81.41	-80.39	-81.02	-82.01	-72.15	-54.15	-41.20	-12.95
5270MHz	Pass	12G	40G	AV	39.3315G	18.00	-72.12	-72.47	-72.32	-72.61	-72.42	-72.08	-72.07	-71.66	-63.18	-45.18	-41.20	-3.98
5270MHz	Pass	8G	12G	PK	10.2705G	18.00	-72.47	-70.54	-71.67	-70.84	-73.73	-73.51	-72.07	-72.06	-62.95	-44.95	-27.00	-17.95
5270MHz	Pass	8G	12G	PK	10.546G	18.00	-71.04	-72.87	-72.63	-73.49	-72.73	-72.31	-73.92	-72.79	-63.62	-45.62	-27.00	-18.62
5270MHz	Pass	12G	40G	PK	38.523G	18.00	-67.56	-66.71	-67.81	-69.31	-62.66	-64.28	-64.42	-65.55	-56.52	-38.52	-27.00	-11.52
5310MHz	Pass	8G	12G	AV	10.6305G	18.00	-81.72	-81.65	-80.87	-80.76	-81.56	-80.92	-81.12	-81.54	-72.22	-54.22	-41.20	-13.02
5310MHz	Pass	12G	40G	AV	39.3385G	18.00	-72.01	-72.13	-71.85	-72.72	-72.63	-72.19	-72.11	-71.49	-63.09	-45.09	-41.20	-3.89
5310MHz	Pass	8G	12G	PK	10.5865G	18.00	-72.70	-71.51	-70.54	-72.94	-72.98	-73.28	-72.29	-71.37	-63.07	-45.07	-27.00	-18.07
5310MHz	Pass	8G	12G	PK	10.605G	18.00	-70.84	-72.53	-71.84	-70.44	-73.12	-72.51	-72.62	-73.00	-62.98	-44.98	-21.20	-23.78
5310MHz	Pass	12G	40G	PK	38.1835G	18.00	-65.16	-66.95	-62.85	-66.27	-67.90	-65.76	-67.70	-64.73	-56.58	-38.58	-27.00	-11.58
5510MHz	Pass	8G	12G	AV	10.6115G	18.00	-80.93	-81.08	-81.54	-80.69	-81.74	-80.98	-81.72	-81.29	-72.20	-54.20	-41.20	-13.00
5510MHz	Pass	8G	12G	AV	11.035G	18.00	-83.16	-83.29	-82.85	-81.66	-83.20	-82.75	-82.31	-82.85	-73.70	-55.70	-41.20	-14.50
5510MHz	Pass	12G	40G	AV	39.314G	18.00	-72.18	-71.95	-72.64	-72.53	-72.42	-72.85	-71.72	-72.58	-63.31	-45.31	-41.20	-4.11
5510MHz	Pass	8G	12G	PK	10.2865G	18.00	-70.11	-71.88	-71.14	-72.24	-72.63	-71.17	-73.01	-72.60	-62.72	-44.72	-27.00	-17.72
5510MHz	Pass	8G	12G	PK	11.033G	18.00	-72.74	-74.01	-73.93	-72.62	-73.95	-74.45	-73.06	-73.78	-64.49	-46.49	-21.20	-25.29
5510MHz	Pass	12G	40G	PK	38.1555G	18.00	-66.69	-63.42	-65.51	-64.53	-64.50	-68.03	-66.81	-63.02	-55.98	-37.98	-27.00	-10.98
5550MHz	Pass	8G	12G	AV	10.622G	18.00	-81.28	-81.34	-81.19	-81.03	-82.01	-81.61	-80.95	-80.98	-72.26	-54.26	-41.20	-13.06
5550MHz	Pass	8G	12G	AV	11.1125G	18.00	-81.99	-82.21	-80.91	-82.73	-82.45	-82.30	-82.39	-82.24	-73.09	-55.09	-41.20	-13.89
5550MHz	Pass	12G	40G	AV	39.321G	18.00	-72.62	-72.26	-72.60	-72.33	-72.07	-72.68	-72.29	-70.97	-63.16	-45.16	-41.20	-3.96
5550MHz	Pass	8G	12G	PK	10.2745G	18.00	-72.60	-71.16	-73.12	-71.67	-71.49	-72.01	-70.79	-72.86	-62.86	-44.86	-27.00	-17.86
5550MHz	Pass	8G	12G	PK	11.105G	18.00	-72.63	-71.53	-72.28	-72.93	-72.84	-73.26	-72.80	-72.76	-63.57	-45.57	-21.20	-24.37
5550MHz	Pass	12G	40G	PK	38.18G	18.00	-67.67	-63.66	-66.88	-64.98	-66.34	-64.79	-66.36	-64.38	-56.41	-38.41	-27.00	-11.41
5670MHz	Pass	8G	12G	AV	10.6025G	18.00	-81.68	-81.94	-80.22	-81.51	-81.30	-81.32	-82.06	-81.04	-72.32	-54.32	-41.20	-13.12
5670MHz	Pass	8G	12G	AV	11.3465G	18.00	-81.70	-81.83	-82.52	-82.00	-81.82	-82.20	-82.21	-82.69	-73.08	-55.08	-41.20	-13.88
5670MHz	Pass	12G	40G	AV	39.3455G	18.00	-71.62	-72.16	-72.25	-72.14	-72.82	-72.71	-72.13	-72.46	-63.24	-45.24	-41.20	-4.04
5670MHz	Pass	8G	12G	PK	10.5825G	18.00	-71.75	-71.71	-71.48	-72.47	-71.02	-73.59	-71.00	-72.45	-62.83	-44.83	-27.00	-17.83
5670MHz	Pass	8G	12G	PK	11.33G	18.00	-72.34	-71.98	-72.34	-73.15	-73.44	-73.47	-73.73	-71.34	-63.62	-45.62	-21.20	-24.42
5670MHz	Pass	12G	40G	PK	38.187G	18.00	-62.58	-66.43	-64.48	-67.65	-65.91	-66.65	-65.60	-65.91	-56.36	-38.36	-27.00	-11.36
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	8G	12G	AV	10.6045G	18.00	-81.69	-81.75	-81.36	-81.12	-81.51	-81.41	-81.07	-81.42	-72.38	-54.38	-41.20	-13.18
5290MHz	Pass	8G	12G	AV	10.615G	18.00	-81.68	-81.53	-81.42	-81.79	-81.24	-81.31	-80.92	-81.04	-72.33	-54.33	-41.20	-13.13
5290MHz	Pass	12G	40G	AV	39.349G	18.00	-72.10	-71.73	-72.04	-72.69	-72.37	-71.66	-72.67	-72.24	-63.14	-45.14	-41.20	-3.94
5290MHz	Pass	8G	12G	PK	10.593G	18.00	-72.26	-71.76	-72.27	-71.19	-71.12	-71.19	-72.55	-72.03	-62.73	-44.73	-27.00	-17.73
5290MHz	Pass	12G	40G	PK	38.5195G	18.00	-64.84	-66.79	-65.83	-65.71	-64.09	-65.80	-66.05	-64.91	-56.40	-38.40	-27.00	-11.40
5530MHz	Pass	8G	12G	AV	10.6155G	18.00	-81.95	-81.83	-82.22	-81.67	-80.40	-81.82	-79.46	-81.89	-72.27	-54.27	-41.20	-13.07
5530MHz	Pass	8G	12G	AV	11.083G	18.00	-82.81	-82.57	-82.85	-82.11	-82.40	-82.66	-81.39	-81.83	-73.27	-55.27	-41.20	-14.07
5530MHz	Pass	12G	40G	AV	39.3175G	18.00	-72.30	-72.16	-72.18	-72.89	-71.97	-71.57	-72.34	-72.51	-63.19	-45.19	-41.20	-3.99
5530MHz	Pass	8G	12G	PK	10.593G	18.00	-71.34	-71.98	-71.57	-72.52	-73.20	-71.47	-71.13	-72.76	-62.91	-44.91	-27.00	-17.91
5530MHz	Pass	8G	12G	PK	11.0825G	18.00	-73.43	-72.66	-72.83	-73.35	-74.10	-72.48	-74.55	-72.06	-64.08	-46.08	-21.20	-24.88
5530MHz	Pass	12G	40G	PK	38.131G	18.00	-64.29	-64.55	-66.37	-64.20	-66.17	-65.38	-65.61	-63.87	-55.93	-37.93	-27.00	-10.93
5610MHz	Pass	8G	12G	AV	11.1735G	18.00	-84.11	-83.55	-84.18	-83.51	-84.41	-83.26	-83.68	-82.01	-74.50	-56.50	-41.20	-15.30
5610MHz	Pass	8G	12G	AV	11.199G	18.00	-83.98	-84.27	-83.45	-84.07	-84.03	-83.83	-83.80	-83.44	-74.82	-56.82	-41.20	-15.62
5610MHz	Pass	12G	40G	AV	39.9895G	18.00	-72.97	-72.83	-73.01	-72.79	-73.13	-73.30	-71.63	-73.14	-63.79	-45.79	-41.20	-4.59
5610MHz	Pass	8G	12G	PK	10.509G	18.00	-73.97	-75.23	-72.63	-74.92	-75.72	-73.38	-71.80	-74.57	-64.81	-46.81	-27.00	-19.81
5610MHz	Pass	8G	12G	PK	11.2295G	18.00	-73.44	-74.80	-75.25	-76.51	-75.20	-73.36	-74.65	-73.19	-65.39	-47.39	-21.20	-26.19
5610MHz	Pass	12G	40G	PK	37.403G	18.00	-64.67	-69.97	-66.61	-64.60	-65.26	-64.84	-64.28	-65.36	-56.39	-38.39	-27.00	-11.39

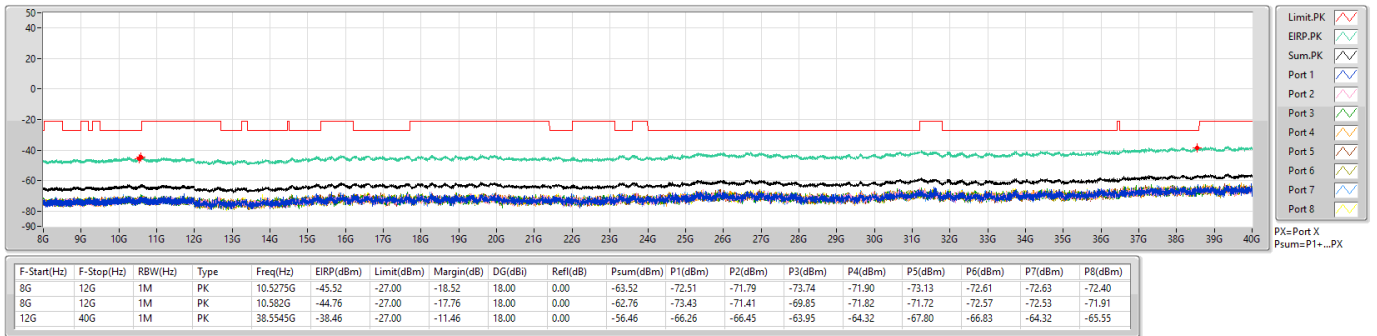
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11a_Nss1,(6Mbps)_8TX

5260MHz

CSE [PK]

29/09/2021

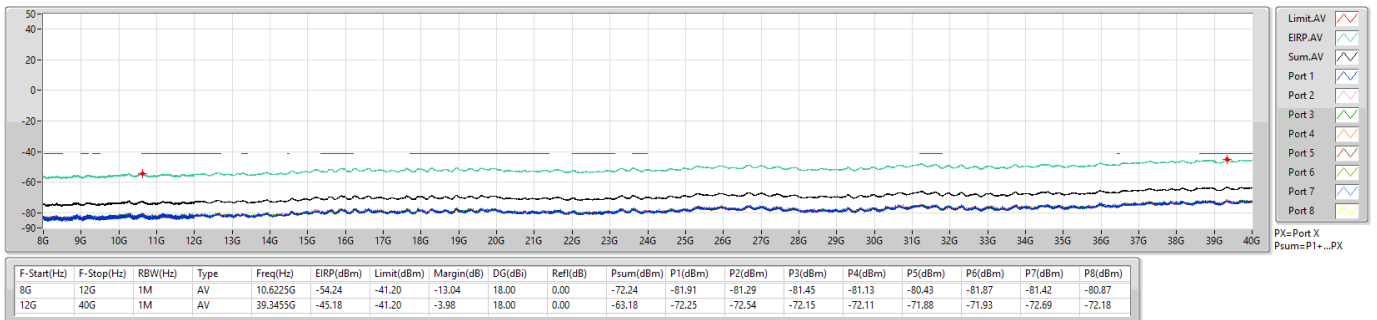


802.11a_Nss1,(6Mbps)_8TX

5260MHz

CSE [AV]

29/09/2021

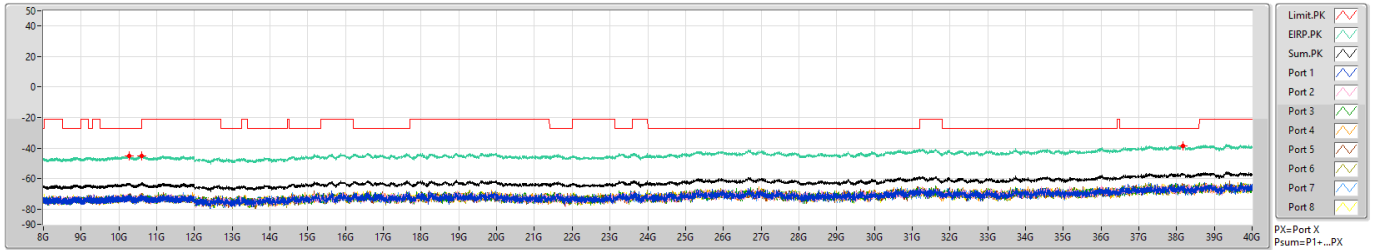


802.11a_Nss1,(6Mbps)_8TX

5300MHz

CSE [PK]

29/09/2021



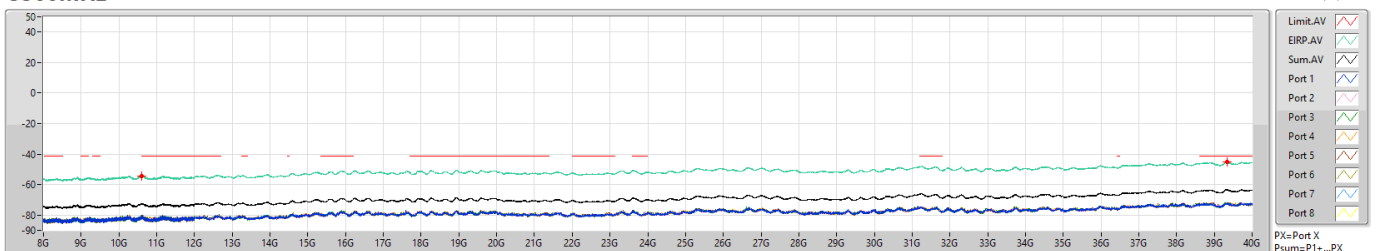
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8G	12G	1M	PK	10.266G	-45.00	-27.00	-18.00	18.00	0.00	-63.00	-72.75	-71.44	-71.81	-72.44	-70.58	-73.58	-72.55	-71.77
8G	12G	1M	PK	10.5995G	-45.07	-27.00	-18.07	18.00	0.00	-63.07	-72.20	-72.46	-72.74	-71.91	-72.36	-71.41	-71.78	-72.05
12G	40G	1M	PK	38.18G	-38.44	-27.00	-11.44	18.00	0.00	-56.44	-66.87	-64.66	-65.17	-65.38	-64.87	-67.58	-65.74	-64.39

802.11a_Nss1,(6Mbps)_8TX

5300MHz

CSE [AV]

29/09/2021



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6025G	-54.29	-41.20	-13.09	18.00	0.00	-72.29	-81.52	-81.31	-80.95	-80.62	-81.74	-81.89	-81.19	-81.48
12G	40G	1M	AV	39.349G	-45.13	-41.20	-3.93	18.00	0.00	-63.13	-71.99	-72.34	-72.16	-71.91	-73.21	-71.85	-71.76	-72.25



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz) Result_Conducted Test_Radio 1 + Antenna Set 1

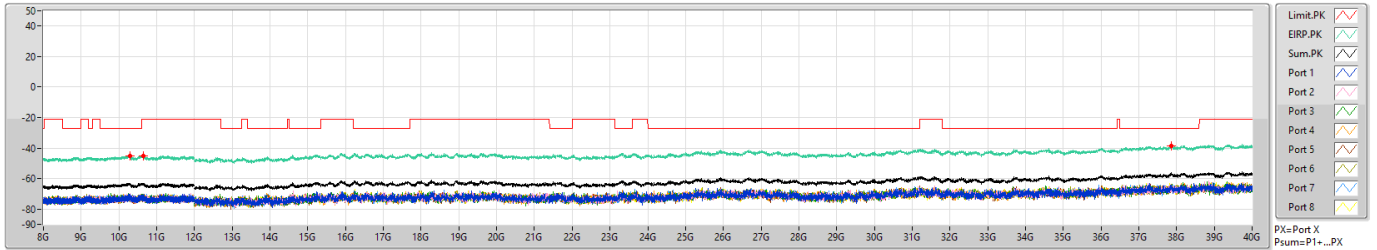
Appendix D.2

802.11a_Nss1,(6Mbps)_8TX

5320MHz

CSE [PK]

29/09/2021



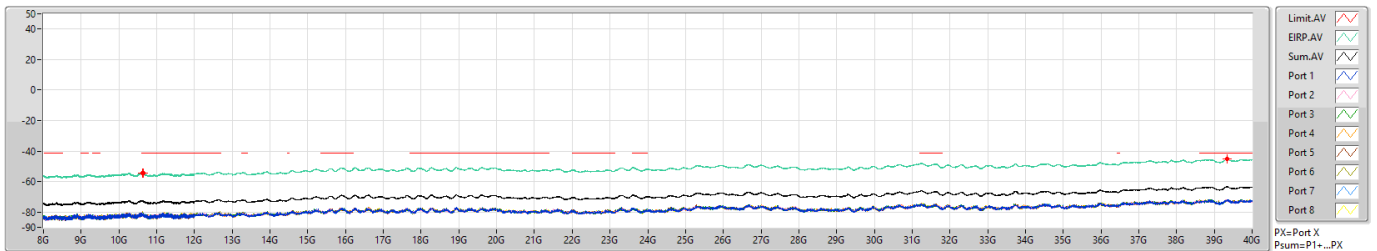
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8G	12G	1M	PK	10.2855G	-44.98	-27.00	-17.98	18.00	0.00	-62.98	-72.25	-71.62	-72.23	-73.16	-73.92	-70.66	-70.11	-73.70
8G	12G	1M	PK	10.6405G	-45.20	-21.20	-24.00	18.00	0.00	-63.20	-72.76	-72.24	-71.86	-72.34	-72.25	-70.82	-73.15	-72.83
12G	40G	1M	PK	37.869G	-38.34	-27.00	-11.34	18.00	0.00	-56.34	-64.37	-64.91	-66.89	-64.66	-65.52	-65.03	-65.17	-67.22

802.11a_Nss1,(6Mbps)_8TX

5320MHz

CSE [AV]

29/09/2021



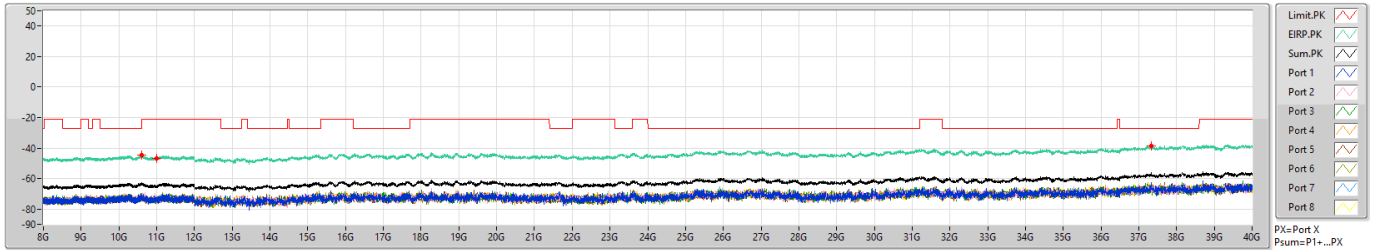
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8G	12G	1M	AV	10.616G	-54.28	-41.20	-13.08	18.00	0.00	-72.28	-81.08	-81.05	-82.05	-80.91	-81.13	-81.02	-81.14	-82.29
8G	12G	1M	AV	10.642G	-54.61	-41.20	-13.41	18.00	0.00	-72.61	-82.17	-81.21	-81.60	-82.10	-81.77	-81.40	-81.43	-81.57
12G	40G	1M	AV	39.3385G	-45.15	-41.20	-3.95	18.00	0.00	-63.15	-72.74	-72.20	-71.93	-71.95	-72.10	-71.83	-72.21	-72.54

802.11a_Nss1,(6Mbps)_8TX

5500MHz

CSE [PK]

29/09/2021



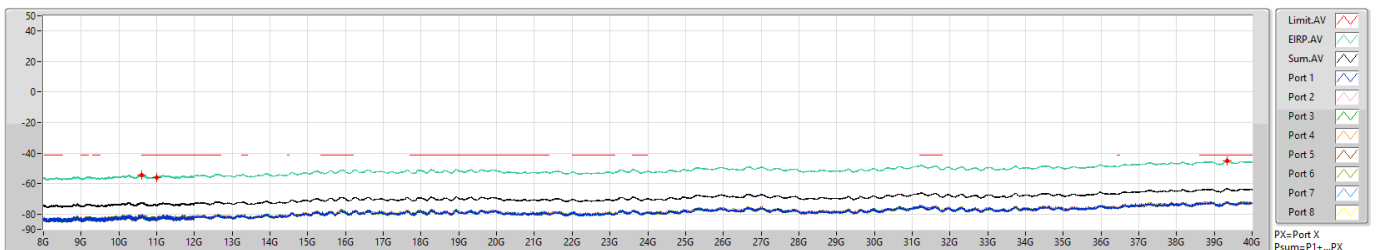
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8G	12G	1M	PK	10.594G	-44.82	-27.00	-17.82	18.00	0.00	-62.82	-71.04	-72.75	-71.33	-71.89	-71.74	-71.70	-71.60	-73.18
8G	12G	1M	PK	10.992G	-46.60	-21.20	-25.40	18.00	0.00	-64.60	-74.53	-73.97	-73.34	-72.47	-73.43	-74.35	-73.03	-74.35
12G	40G	1M	PK	37.326G	-38.33	-27.00	-11.33	18.00	0.00	-56.33	-66.39	-66.28	-67.11	-67.06	-64.63	-65.53	-65.01	-62.72

802.11a_Nss1,(6Mbps)_8TX

5500MHz

CSE [AV]

29/09/2021



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)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.603G	-54.34	-41.20	-13.14	18.00	0.00	-72.34	-81.88	-80.27	-81.69	-81.11	-82.07	-81.53	-80.96	-81.78
8G	12G	1M	AV	11.0035G	-56.04	-41.20	-14.84	18.00	0.00	-74.04	-83.51	-82.84	-82.77	-83.23	-82.21	-83.72	-83.61	-82.88
12G	40G	1M	AV	39.349G	-45.23	-41.20	-4.03	18.00	0.00	-63.23	-72.61	-71.74	-72.26	-72.82	-72.21	-72.44	-72.36	-71.74



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz)
Result_Conducted Test_Radio 1 + Antenna Set 1

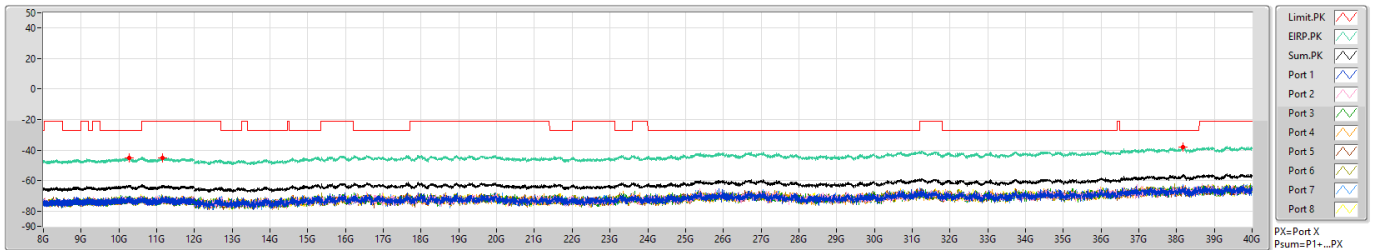
Appendix D.2

802.11a_Nss1,(6Mbps)_8TX

5580MHz

CSE [PK]

29/09/2021



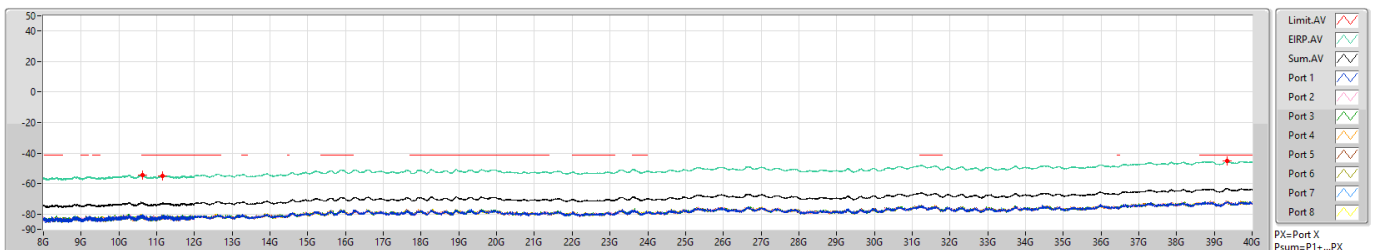
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8G	12G	1M	PK	10.261G	-44.98	-27.00	-17.98	18.00	0.00	-62.98	-71.22	-72.34	-70.36	-73.06	-73.84	-72.34	-73.38	-70.84
8G	12G	1M	PK	11.162G	-45.24	-21.20	-24.04	18.00	0.00	-63.24	-72.94	-72.55	-73.20	-71.74	-73.72	-71.90	-71.05	
12G	40G	1M	PK	38.173G	-38.27	-27.00	-11.27	18.00	0.00	-56.27	-65.98	-65.52	-64.18	-66.98	-65.55	-66.93	-62.78	-66.23

802.11a_Nss1,(6Mbps)_8TX

5580MHz

CSE [AV]

29/09/2021



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)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.63G	-54.26	-41.20	-13.06	18.00	0.00	-72.26	-81.57	-81.43	-81.01	-80.66	-81.57	-82.02	-80.20	-82.28
8G	12G	1M	AV	11.1535G	-54.75	-41.20	-13.55	18.00	0.00	-72.75	-81.98	-80.98	-81.61	-82.60	-81.26	-82.07	-81.62	-82.38
12G	40G	1M	AV	38.349G	-45.17	-41.20	-3.97	18.00	0.00	-63.17	-72.01	-72.32	-71.71	-72.49	-72.38	-72.13	-72.27	-72.34



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz)
Result_Conducted Test_Radio 1 + Antenna Set 1

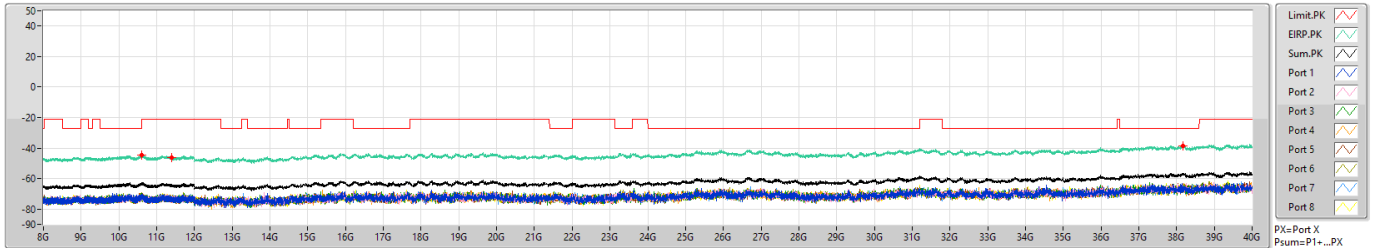
Appendix D.2

802.11a_Nss1,(6Mbps)_8TX

5700MHz

CSE [PK]

29/09/2021



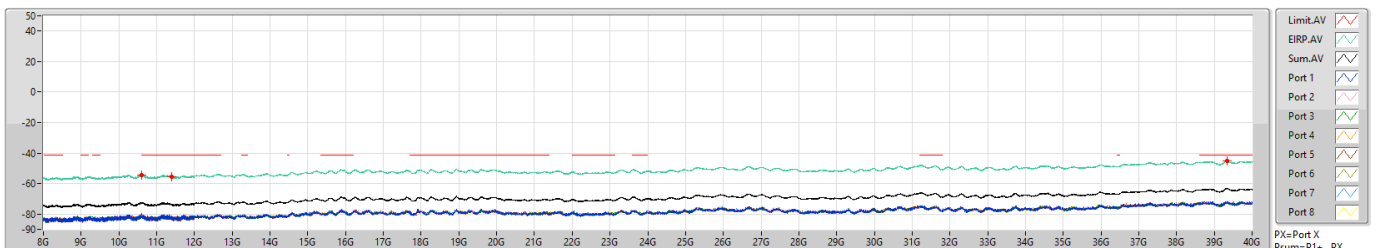
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8G	12G	1M	PK	10.5945G	-44.84	-27.00	-17.84	18.00	0.00	-62.84	-71.29	-73.24	-73.17	-71.61	-72.61	-71.40	-72.64	-70.01
8G	12G	1M	PK	11.392G	-45.98	-21.20	-24.78	18.00	0.00	-63.98	-72.09	-71.81	-73.79	-72.30	-74.34	-72.96	-73.87	-73.63
12G	40G	1M	PK	38.166G	-38.45	-27.00	-11.45	18.00	0.00	-56.45	-68.47	-66.02	-66.36	-63.97	-63.59	-65.86	-66.07	-65.27

802.11a_Nss1,(6Mbps)_8TX

5700MHz

CSE [AV]

29/09/2021



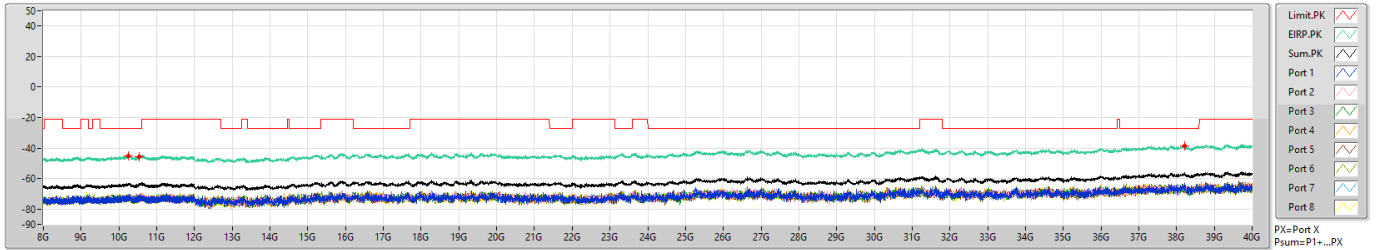
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8G	12G	1M	AV	10.601G	-54.38	-41.20	-13.18	18.00	0.00	-72.38	-81.76	-81.47	-80.51	-81.09	-82.05	-81.62	-81.30	-81.68
8G	12G	1M	AV	11.397G	-55.34	-41.20	-14.14	18.00	0.00	-73.34	-82.36	-82.88	-83.44	-81.98	-82.21	-81.40	-82.39	-82.56
12G	40G	1M	AV	38.349G	-45.22	-41.20	-4.02	18.00	0.00	-63.22	-72.96	-71.63	-71.77	-72.35	-71.61	-72.60	-72.80	-72.52

802.11ax HEW20_Nss1,(MCS0)_8TX

5260MHz

CSE [PK]

29/09/2021



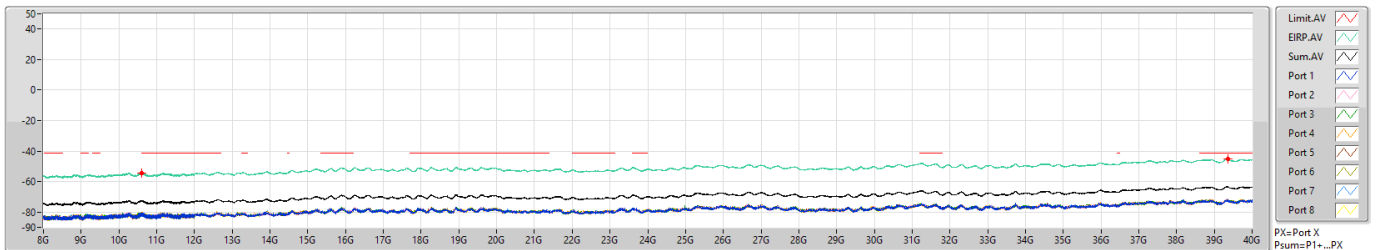
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8G	12G	1M	PK	10.2445G	-44.98	-27.00	-17.98	18.00	0.00	-62.98	-73.06	-72.27	-70.95	-73.47	-71.13	-72.45	-70.52	-73.31
8G	12G	1M	PK	10.5265G	-45.63	-27.00	-18.63	18.00	0.00	-63.63	-73.53	-74.66	-73.62	-71.29	-71.36	-72.98	-73.18	-71.80
12G	40G	1M	PK	38.2115G	-38.34	-27.00	-11.34	18.00	0.00	-56.34	-64.64	-65.30	-67.77	-65.60	-66.25	-64.87	-68.50	-62.68

802.11ax HEW20_Nss1,(MCS0)_8TX

5260MHz

CSE [AV]

29/09/2021



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6105G	-54.28	-41.20	-13.08	18.00	0.00	-72.28	-80.93	-81.58	-81.44	-81.08	-81.80	-81.31	-80.86	-81.62
12G	40G	1M	AV	39.356G	-45.21	-41.20	-4.01	18.00	0.00	-63.21	-71.87	-72.75	-72.70	-72.31	-72.09	-71.50	-72.07	-72.79



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz) Result_Conducted Test_Radio 1 + Antenna Set 1

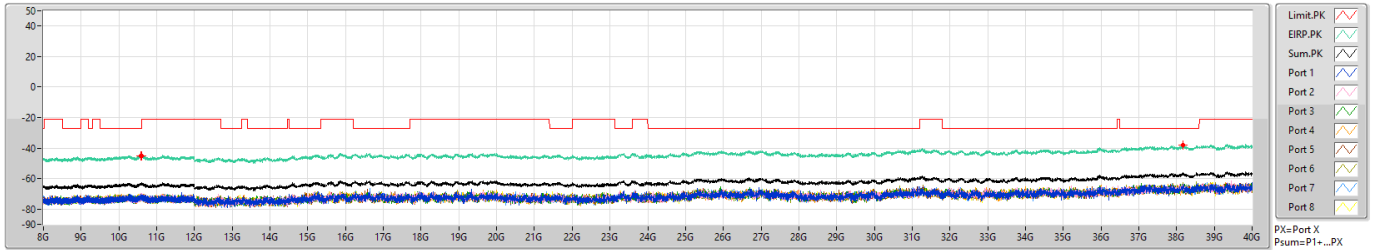
Appendix D.2

802.11ax HEW20_Nss1,(MCS0)_8TX

5300MHz

CSE [PK]

29/09/2021



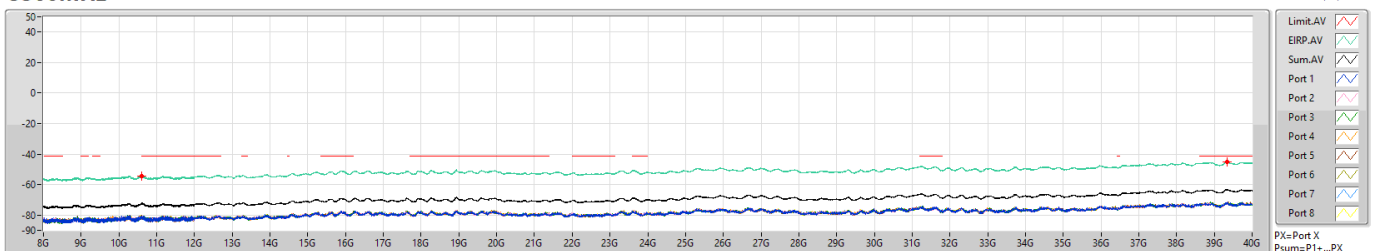
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8G	12G	1M	PK	10.587G	-45.08	-27.00	-18.08	18.00	0.00	-63.08	-73.03	-69.50	-72.55	-73.17	-72.20	-72.02	-72.09	-73.77
8G	12G	1M	PK	10.5935G	-45.14	-27.00	-18.14	18.00	0.00	-63.14	-73.13	-73.57	-73.05	-72.02	-72.48	-71.97	-70.52	-71.45
12G	40G	1M	PK	38.159G	-38.11	-27.00	-11.11	18.00	0.00	-56.11	-64.86	-64.83	-66.27	-65.99	-64.68	-65.18	-63.56	-66.57

802.11ax HEW20_Nss1,(MCS0)_8TX

5300MHz

CSE [AV]

29/09/2021



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6035G	-54.21	-41.20	-13.01	18.00	0.00	-72.21	-80.99	-82.24	-80.59	-81.52	-80.30	-81.71	-81.29	-81.64
12G	40G	1M	AV	39.349G	-45.14	-41.20	-3.94	18.00	0.00	-63.14	-71.89	-71.65	-72.45	-72.18	-71.78	-72.76	-72.39	-72.40



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz) Result_Conducted Test_Radio 1 + Antenna Set 1

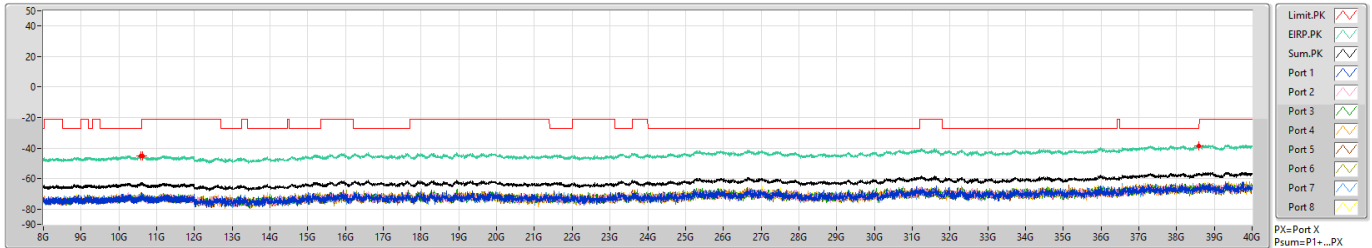
Appendix D.2

802.11ax HEW20_Nss1,(MCS0)_8TX

5320MHz

CSE [PK]

29/09/2021



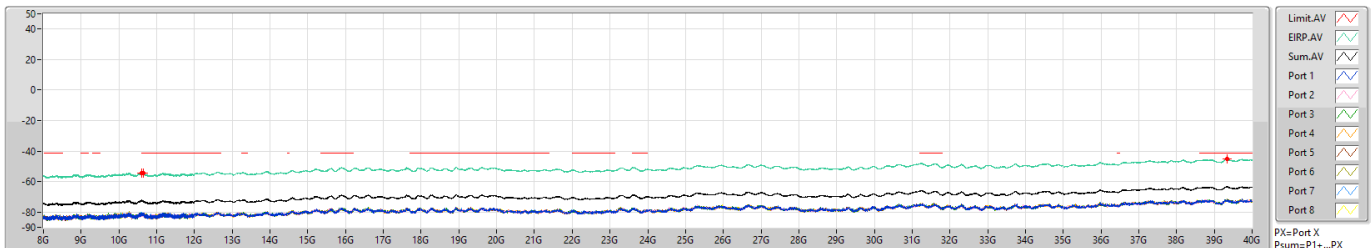
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8G	12G	1M	PK	10.576G	-44.90	-27.00	-17.90	18.00	0.00	-62.90	-73.24	-73.23	-71.70	-73.65	-72.16	-71.34	-69.53	-72.15
8G	12G	1M	PK	10.632G	-45.34	-21.20	-24.14	18.00	0.00	-63.34	-72.30	-71.02	-73.21	-72.10	-72.46	-73.10	-73.66	-71.70
12G	40G	1M	PK	38.5895G	-38.53	-27.00	-11.53	18.00	0.00	-56.53	-66.51	-63.62	-65.95	-67.64	-64.87	-64.90	-66.11	-66.13

802.11ax HEW20_Nss1,(MCS0)_8TX

5320MHz

CSE [AV]

29/09/2021



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)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6G	-54.22	-41.20	-13.02	18.00	0.00	-72.22	-81.19	-81.05	-81.66	-81.48	-81.29	-81.65	-80.29	-81.53
8G	12G	1M	AV	10.64G	-54.53	-41.20	-13.33	18.00	0.00	-72.53	-81.47	-80.79	-81.32	-82.28	-81.53	-81.24	-81.89	-82.19
12G	40G	1M	AV	38.342G	-45.17	-41.20	-3.97	18.00	0.00	-63.17	-71.82	-72.56	-72.63	-72.04	-72.38	-72.75	-71.38	-72.23



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz) Result_Conducted Test_Radio 1 + Antenna Set 1

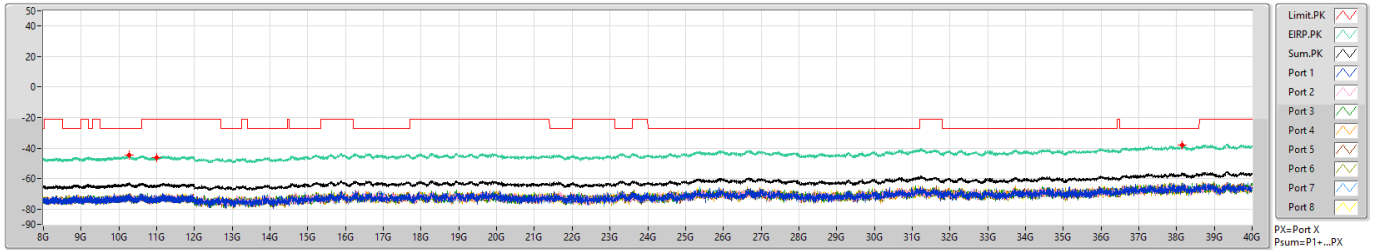
Appendix D.2

802.11ax HEW20_Nss1,(MCS0)_8TX

5500MHz

CSE [PK]

29/09/2021



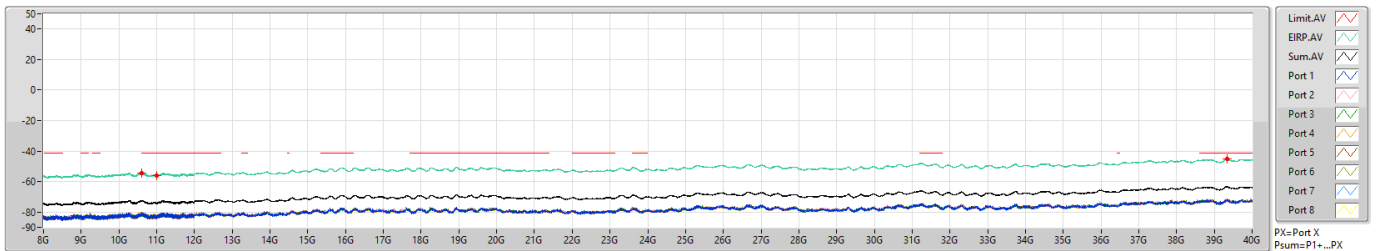
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8G	12G	1M	PK	10.2725G	-44.59	-27.00	-17.59	18.00	0.00	-62.59	-73.12	-71.06	-70.22	-73.08	-71.23	-71.35	-71.56	-72.19
8G	12G	1M	PK	10.9935G	-46.47	-21.20	-25.27	18.00	0.00	-64.47	-73.98	-73.45	-74.49	-74.27	-73.68	-73.49	-71.48	-73.93
12G	40G	1M	PK	38.145G	-38.30	-27.00	-11.30	18.00	0.00	-56.30	-66.39	-64.99	-66.06	-65.45	-65.25	-65.93	-63.13	-66.53

802.11ax HEW20_Nss1,(MCS0)_8TX

5500MHz

CSE [AV]

29/09/2021



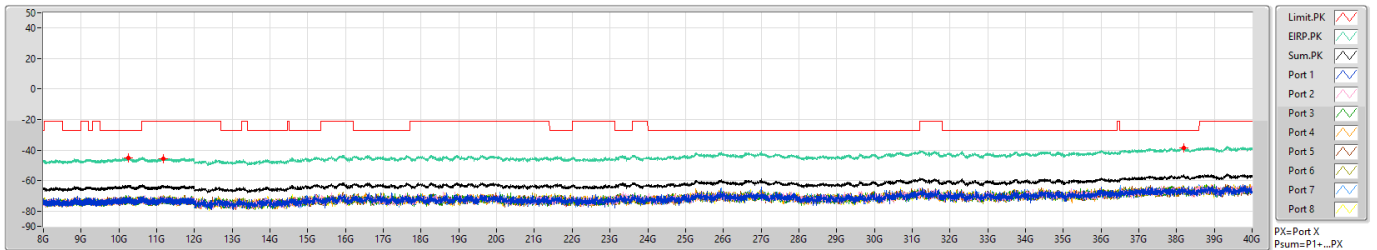
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8G	12G	1M	AV	10.613G	-54.33	-41.20	-13.13	18.00	0.00	-72.33	-81.14	-81.41	-81.81	-81.27	-81.14	-81.38	-81.32	-81.42
8G	12G	1M	AV	11.006G	-56.04	-41.20	-14.84	18.00	0.00	-74.04	-83.67	-83.67	-82.32	-83.31	-82.79	-82.92	-82.51	-83.64
12G	40G	1M	AV	38.349G	-45.13	-41.20	-3.93	18.00	0.00	-63.13	-72.22	-72.23	-71.72	-72.14	-71.98	-72.01	-72.40	-72.66

802.11ax HEW20_Nss1,(MCS0)_8TX

5580MHz

CSE [PK]

29/09/2021



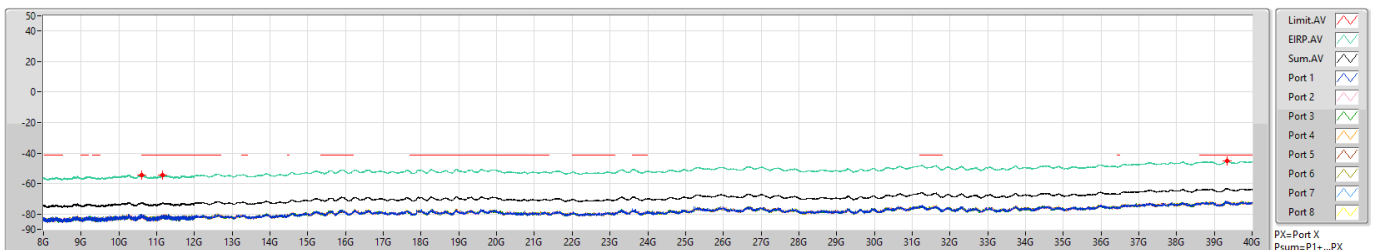
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8G	12G	1M	PK	10.2545G	-45.00	-27.00	-18.00	18.00	0.00	-63.00	-72.83	-71.62	-72.28	-71.64	-71.89	-72.94	-73.01	-70.61
8G	12G	1M	PK	11.167G	-45.50	-21.20	-24.30	18.00	0.00	-63.50	-72.46	-72.23	-72.84	-73.36	-72.86	-72.26	-72.71	-71.72
12G	40G	1M	PK	38.201G	-38.36	-27.00	-11.36	18.00	0.00	-56.36	-67.54	-65.42	-64.21	-66.02	-67.77	-64.63	-64.88	-64.15

802.11ax HEW20_Nss1,(MCS0)_8TX

5580MHz

CSE [AV]

29/09/2021



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)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.601G	-54.24	-41.20	-13.04	18.00	0.00	-72.24	-82.09	-81.95	-81.49	-80.51	-81.71	-81.05	-80.28	-81.45
8G	12G	1M	AV	11.1545G	-54.60	-41.20	-13.40	18.00	0.00	-72.60	-81.53	-81.88	-81.53	-82.10	-81.23	-81.55	-81.89	-81.39
12G	40G	1M	AV	38.349G	-45.11	-41.20	-3.91	18.00	0.00	-63.11	-72.94	-72.76	-71.75	-72.28	-71.15	-72.03	-72.62	-71.87



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz)
Result_Conducted Test_Radio 1 + Antenna Set 1

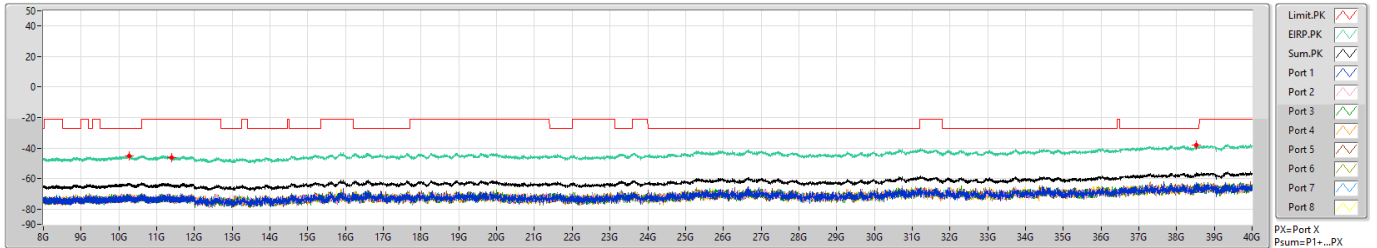
Appendix D.2

802.11ax HEW20_Nss1,(MCS0)_8TX

CSE [PK]

5700MHz

29/09/2021



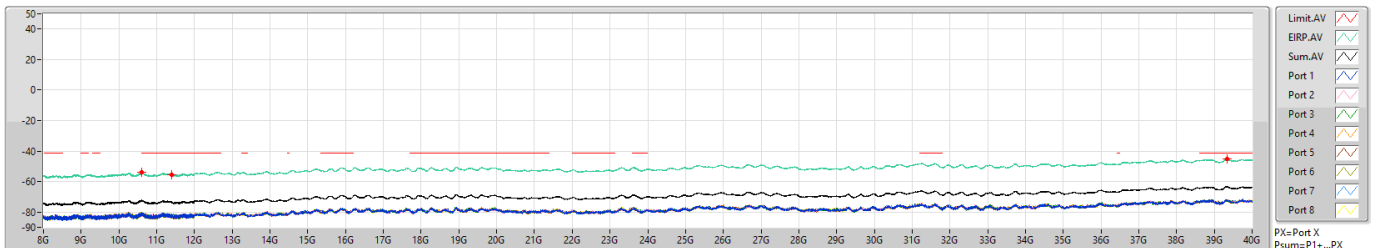
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8G	12G	1M	PK	10.265G	-45.08	-27.00	-18.08	18.00	0.00	-63.08	-71.77	-70.65	-73.67	-72.79	-72.12	-72.25	-71.29	-73.10
8G	12G	1M	PK	11.399G	-46.07	-21.20	-24.87	18.00	0.00	-64.07	-72.21	-73.80	-72.06	-72.35	-74.39	-73.88	-73.13	-73.59
12G	40G	1M	PK	38.53G	-38.32	-27.00	-11.32	18.00	0.00	-56.32	-66.62	-67.97	-64.55	-64.51	-64.50	-64.20	-64.70	-67.46

802.11ax HEW20_Nss1,(MCS0)_8TX

CSE [AV]

5700MHz

29/09/2021



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)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6105G	-54.16	-41.20	-12.96	18.00	0.00	-72.16	-81.08	-81.86	-79.90	-81.20	-80.95	-81.37	-81.69	-81.79
8G	12G	1M	AV	11.398G	-55.49	-41.20	-14.29	18.00	0.00	-73.49	-82.11	-82.86	-82.22	-82.25	-82.76	-83.43	-82.37	-82.33
12G	40G	1M	AV	38.335G	-45.31	-41.20	-4.11	18.00	0.00	-63.31	-72.68	-72.55	-72.50	-71.81	-72.09	-72.79	-72.54	-71.88



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz)
Result_Conducted Test_Radio 1 + Antenna Set 1

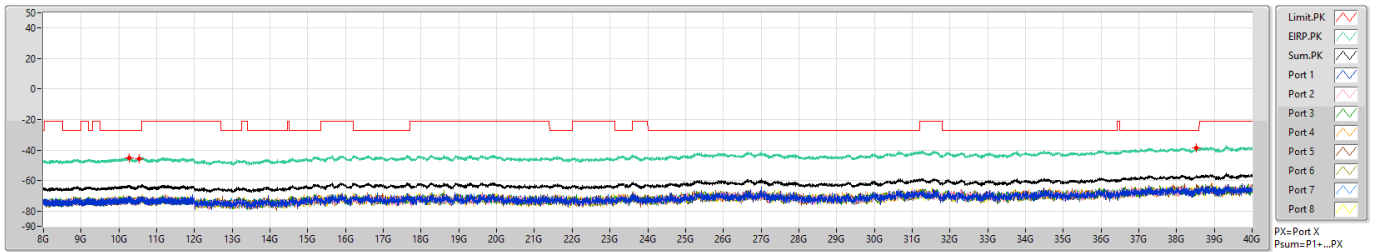
Appendix D.2

802.11ax HEW40_Nss1,(MCS0)_8TX

5270MHz

CSE [PK]

29/09/2021



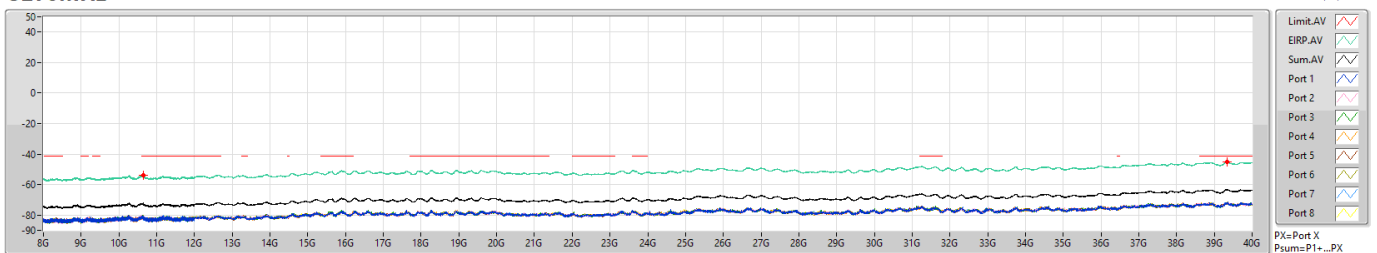
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8G	12G	1M	PK	10.2705G	-44.95	-27.00	-17.95	18.00	0.00	-62.95	-72.47	-70.54	-71.67	-70.84	-73.73	-73.51	-72.07	-72.06
8G	12G	1M	PK	10.546G	-45.62	-27.00	-18.62	18.00	0.00	-63.62	-71.04	-72.87	-72.63	-73.49	-72.73	-72.31	-73.92	-72.79
12G	40G	1M	PK	38.523G	-38.52	-27.00	-11.52	18.00	0.00	-56.52	-67.56	-66.71	-67.81	-69.31	-62.66	-64.28	-64.42	-65.55

802.11ax HEW40_Nss1,(MCS0)_8TX

5270MHz

CSE [AV]

29/09/2021



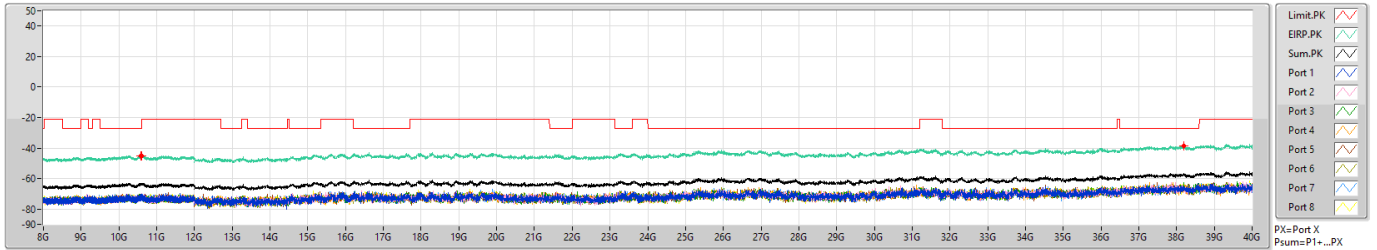
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8G	12G	1M	AV	10.6455G	-54.15	-41.20	-12.95	18.00	0.00	-72.15	-81.00	-81.53	-81.62	-80.73	-81.41	-80.39	-81.02	-82.01
12G	40G	1M	AV	39.3315G	-45.18	-41.20	-3.98	18.00	0.00	-63.18	-72.12	-72.47	-72.32	-72.61	-72.42	-72.08	-72.07	-71.66

802.11ax HEW40_Nss1,(MCS0)_8TX

5310MHz

CSE [PK]

29/09/2021



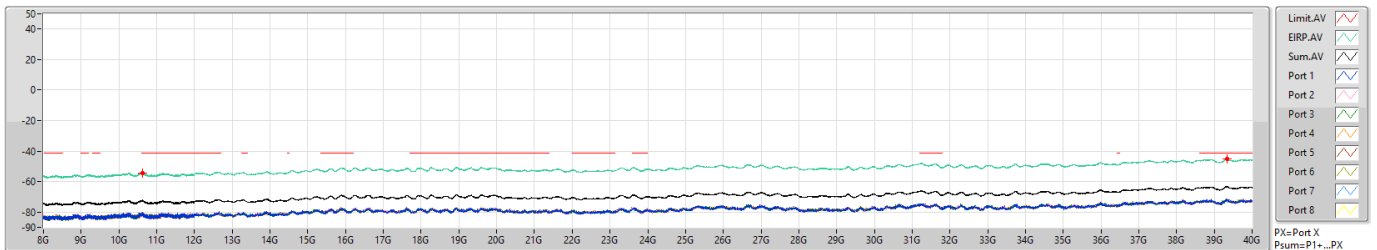
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8G	12G	1M	PK	10.5865G	-45.07	-27.00	-18.07	18.00	0.00	-63.07	-72.70	-71.51	-70.54	-72.94	-72.98	-73.28	-72.29	-71.37
8G	12G	1M	PK	10.605G	-44.98	-21.20	-23.78	18.00	0.00	-62.98	-70.84	-72.53	-71.84	-70.44	-73.12	-72.51	-72.62	-73.00
12G	40G	1M	PK	38.1835G	-38.58	-27.00	-11.58	18.00	0.00	-56.58	-65.16	-66.95	-62.85	-66.27	-67.90	-65.76	-67.70	-64.73

802.11ax HEW40_Nss1,(MCS0)_8TX

5310MHz

CSE [AV]

29/09/2021



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6305G	-54.22	-41.20	-13.02	18.00	0.00	-72.22	-81.72	-81.65	-80.87	-80.76	-81.56	-80.92	-81.12	-81.54
12G	40G	1M	AV	39.3385G	-45.09	-41.20	-3.89	18.00	0.00	-63.09	-72.01	-72.13	-71.85	-72.72	-72.63	-72.19	-72.11	-71.49



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz) Result_Conducted Test_Radio 1 + Antenna Set 1

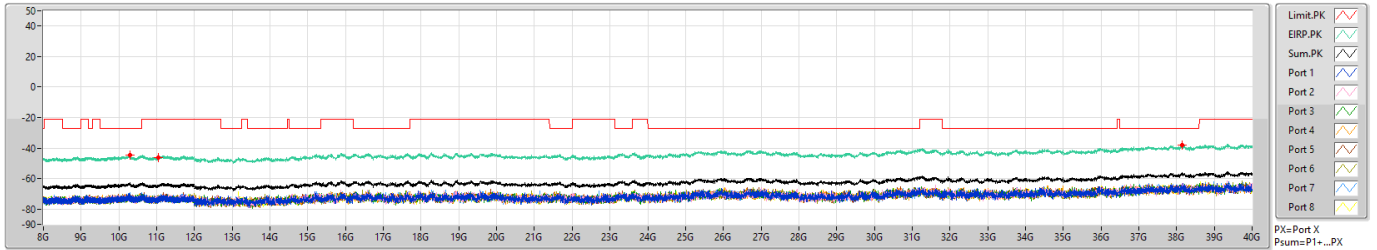
Appendix D.2

802.11ax HEW40_Nss1,(MCS0)_8TX

5510MHz

CSE [PK]

29/09/2021



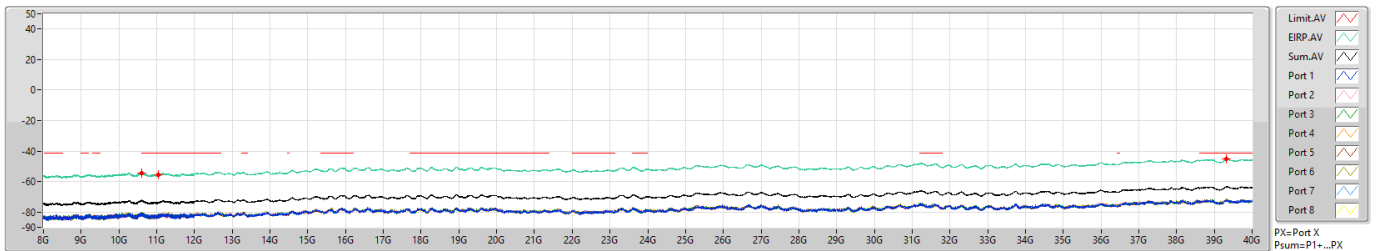
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8G	12G	1M	PK	10.2865G	-44.72	-27.00	-17.72	18.00	0.00	-62.72	-70.11	-71.88	-71.14	-72.24	-72.63	-71.17	-73.01	-72.60
8G	12G	1M	PK	11.033G	-46.49	-21.20	-25.29	18.00	0.00	-64.49	-72.74	-74.01	-73.93	-72.62	-73.95	-74.45	-73.06	-73.78
12G	40G	1M	PK	38.1555G	-37.98	-27.00	-10.98	18.00	0.00	-55.98	-66.69	-63.42	-65.51	-64.53	-64.50	-66.03	-66.81	-63.02

802.11ax HEW40_Nss1,(MCS0)_8TX

5510MHz

CSE [AV]

29/09/2021



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)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6115G	-54.20	-41.20	-13.00	18.00	0.00	-72.20	-80.93	-81.08	-81.54	-80.69	-81.74	-80.98	-81.72	-81.29
8G	12G	1M	AV	11.035G	-55.70	-41.20	-14.50	18.00	0.00	-73.70	-83.16	-83.29	-82.85	-81.66	-83.20	-82.75	-82.31	-82.85
12G	40G	1M	AV	38.314G	-45.31	-41.20	-4.11	18.00	0.00	-63.31	-72.18	-71.95	-72.64	-72.53	-72.42	-72.85	-71.72	-72.58



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz) Result_Conducted Test_Radio 1 + Antenna Set 1

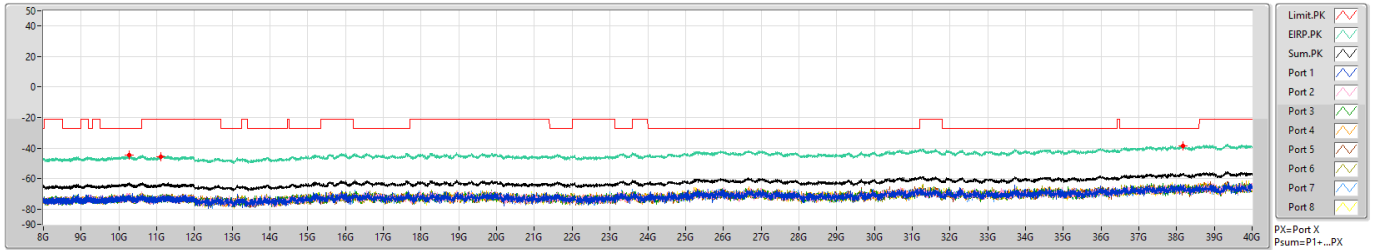
Appendix D.2

802.11ax HEW40_Nss1,(MCS0)_8TX

5550MHz

CSE [PK]

29/09/2021



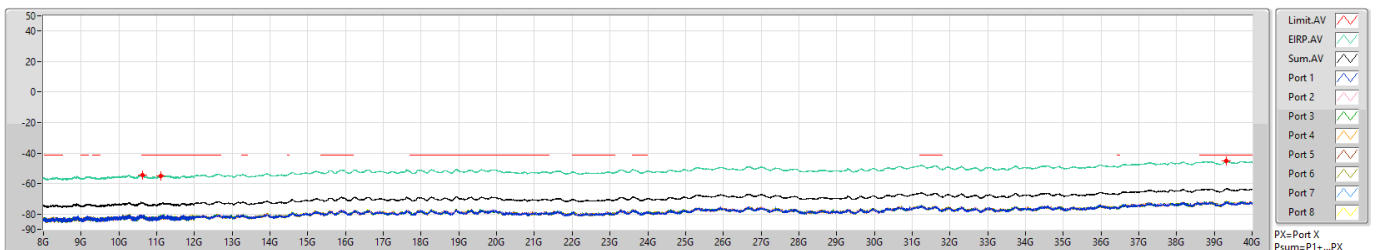
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8G	12G	1M	PK	10.2745G	-44.86	-27.00	-17.86	18.00	0.00	-62.86	-72.60	-71.16	-73.12	-71.67	-71.49	-72.01	-70.79	-72.86
8G	12G	1M	PK	11.105G	-45.57	-21.20	-24.37	18.00	0.00	-63.57	-72.63	-71.53	-72.28	-72.93	-72.84	-73.26	-72.80	-72.76
12G	40G	1M	PK	38.18G	-38.41	-27.00	-11.41	18.00	0.00	-56.41	-67.67	-63.66	-66.88	-64.98	-66.34	-64.79	-66.36	-64.38

802.11ax HEW40_Nss1,(MCS0)_8TX

5550MHz

CSE [AV]

29/09/2021



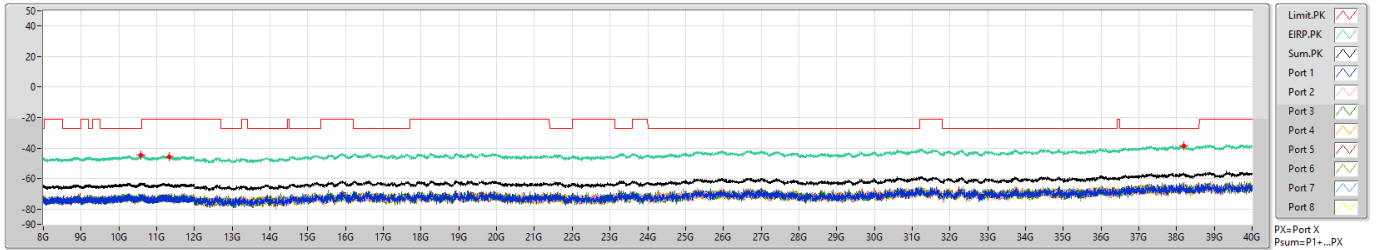
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8G	12G	1M	AV	10.622G	-54.26	-41.20	-13.06	18.00	0.00	-72.26	-81.28	-81.34	-81.19	-81.03	-82.01	-81.61	-80.95	-80.98
8G	12G	1M	AV	11.1125G	-55.09	-41.20	-13.89	18.00	0.00	-73.09	-81.99	-82.21	-80.91	-82.73	-82.45	-82.30	-82.39	-82.24
12G	40G	1M	AV	38.321G	-45.16	-41.20	-3.96	18.00	0.00	-63.16	-72.62	-72.26	-72.60	-72.33	-72.07	-72.68	-72.29	-70.97

802.11ax HEW40_Nss1,(MCS0)_8TX

5670MHz

CSE [PK]

29/09/2021



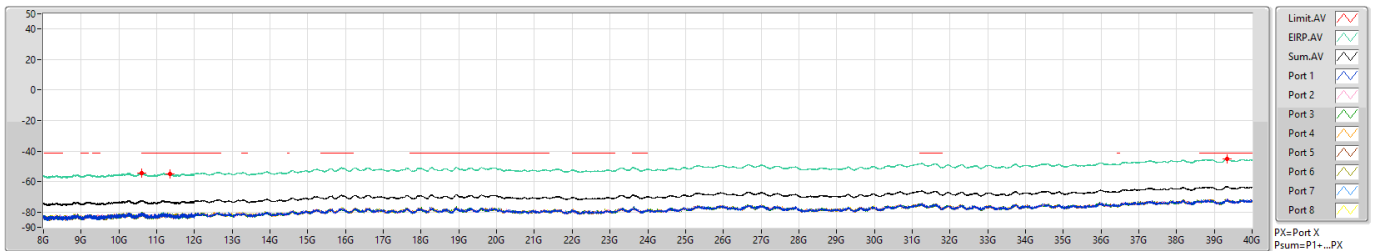
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8G	12G	1M	PK	10.5825G	-44.83	-27.00	-17.83	18.00	0.00	-62.83	-71.75	-71.71	-71.48	-72.47	-71.02	-73.59	-71.00	-72.45
8G	12G	1M	PK	11.33G	-45.62	-21.20	-24.42	18.00	0.00	-63.62	-72.34	-71.98	-72.34	-73.15	-73.44	-73.47	-73.73	-71.34
12G	40G	1M	PK	38.187G	-38.36	-27.00	-11.36	18.00	0.00	-56.36	-62.58	-66.43	-64.48	-67.65	-65.91	-66.65	-65.60	-65.91

802.11ax HEW40_Nss1,(MCS0)_8TX

5670MHz

CSE [AV]

29/09/2021



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)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6025G	-54.32	-41.20	-13.12	18.00	0.00	-72.32	-81.68	-81.94	-80.22	-81.51	-81.30	-81.32	-82.06	-81.04
8G	12G	1M	AV	11.3465G	-55.08	-41.20	-13.88	18.00	0.00	-73.08	-81.70	-81.83	-82.52	-82.00	-81.82	-82.20	-82.21	-82.69
12G	40G	1M	AV	38.3455G	-45.24	-41.20	-4.04	18.00	0.00	-63.24	-71.62	-72.16	-72.25	-72.14	-72.82	-72.71	-72.13	-72.46



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz) Result_Conducted Test_Radio 1 + Antenna Set 1

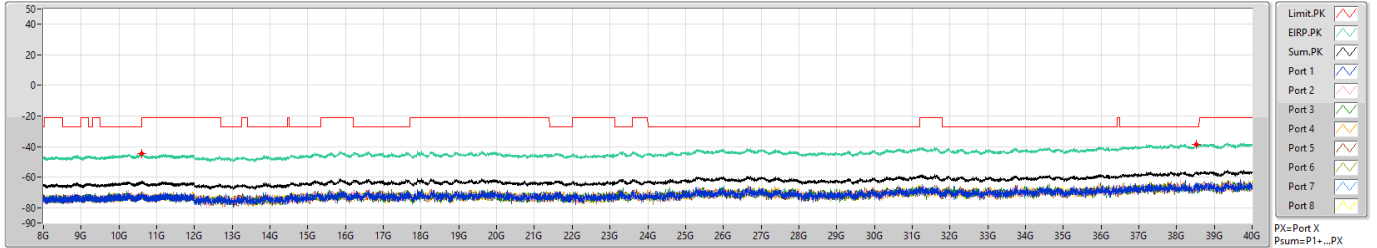
Appendix D.2

802.11ax HEW80_Nss1,(MCS0)_8TX

5290MHz

CSE [PK]

29/09/2021



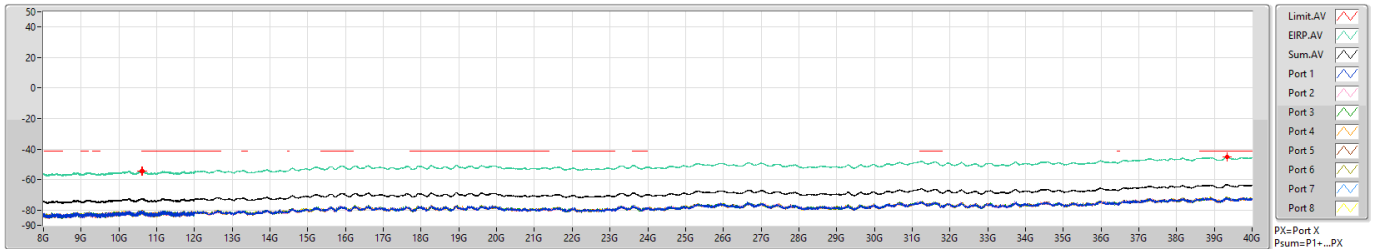
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	PK	10.593G	-44.73	-27.00	-17.73	18.00	0.00	-62.73	-72.26	-71.76	-72.27	-71.19	-71.12	-71.19	-72.55	-72.03
12G	40G	1M	PK	38.5195G	-38.40	-27.00	-11.40	18.00	0.00	-56.40	-64.84	-66.79	-65.83	-65.71	-64.09	-65.80	-66.05	-64.91

802.11ax HEW80_Nss1,(MCS0)_8TX

5290MHz

CSE [AV]

29/09/2021



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6045G	-54.38	-41.20	-13.18	18.00	0.00	-72.38	-81.69	-81.75	-81.36	-81.12	-81.51	-81.41	-81.07	-81.42
8G	12G	1M	AV	10.615G	-54.33	-41.20	-13.13	18.00	0.00	-72.33	-81.68	-81.53	-81.42	-81.79	-81.24	-81.31	-80.92	-81.04
12G	40G	1M	AV	38.349G	-45.14	-41.20	-3.94	18.00	0.00	-63.14	-72.10	-71.73	-72.04	-72.69	-72.37	-71.66	-72.67	-72.24



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz)
Result_Conducted Test_Radio 1 + Antenna Set 1

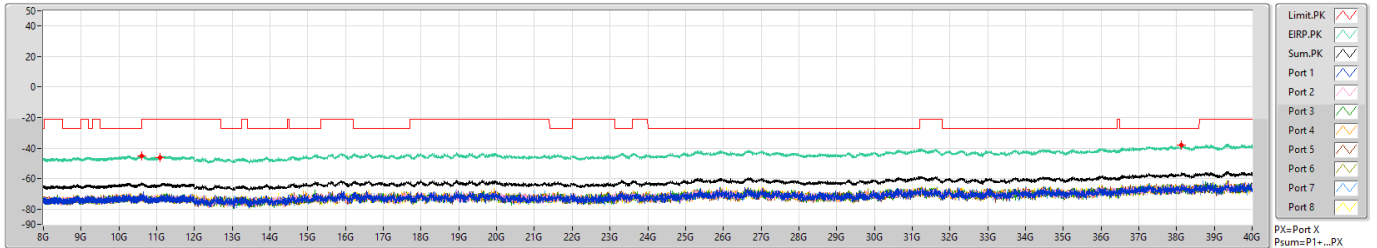
Appendix D.2

802.11ax HEW80_Nss1,(MCS0)_8TX

5530MHz

CSE [PK]

29/09/2021



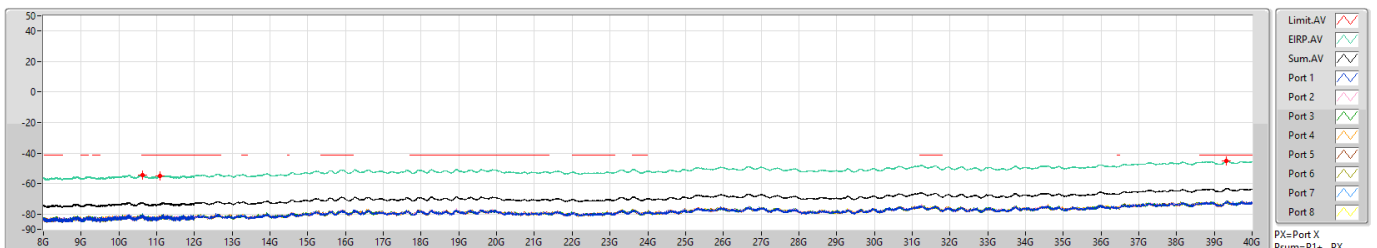
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	PK	10.593G	-44.91	-27.00	-17.91	18.00	0.00	-62.91	-71.34	-71.98	-71.57	-72.52	-73.20	-71.47	-71.13	-72.76
8G	12G	1M	PK	11.0825G	-46.08	-21.20	-24.88	18.00	0.00	-64.08	-73.43	-72.66	-72.83	-73.35	-74.10	-72.48	-74.55	-72.06
12G	40G	1M	PK	38.131G	-37.93	-27.00	-10.93	18.00	0.00	-55.93	-64.29	-64.55	-66.37	-64.20	-66.17	-65.38	-65.61	-63.87

802.11ax HEW80_Nss1,(MCS0)_8TX

5530MHz

CSE [AV]

29/09/2021



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)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	10.6155G	-54.27	-41.20	-13.07	18.00	0.00	-72.27	-81.95	-81.83	-82.22	-81.67	-80.40	-81.82	-79.46	-81.89
8G	12G	1M	AV	11.083G	-55.27	-41.20	-14.07	18.00	0.00	-73.27	-82.81	-82.57	-82.85	-82.11	-82.40	-82.66	-81.39	-81.83
12G	40G	1M	AV	38.3175G	-45.19	-41.20	-3.99	18.00	0.00	-63.19	-72.30	-72.16	-72.18	-72.89	-71.97	-71.57	-72.34	-72.51



CSE TX above 1GHz (Harmonic 8GHz ~ 40GHz)
Result_Conducted Test_Radio 1 + Antenna Set 1

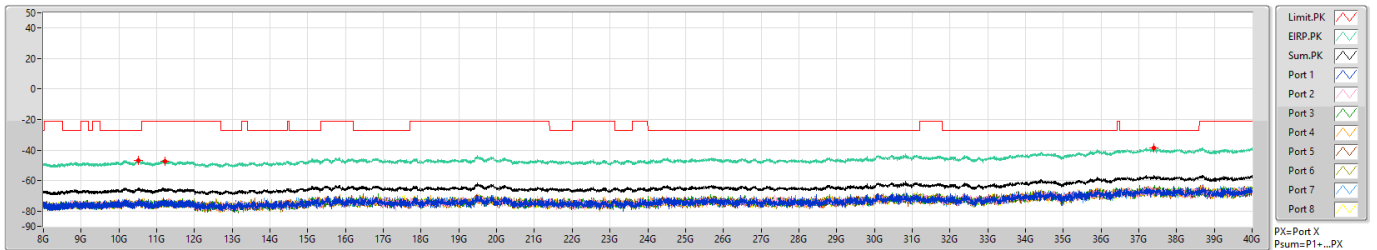
Appendix D.2

802.11ax HEW80_Nss1,(MCS0)_8TX

5610MHz

CSE [PK]

05/11/2021



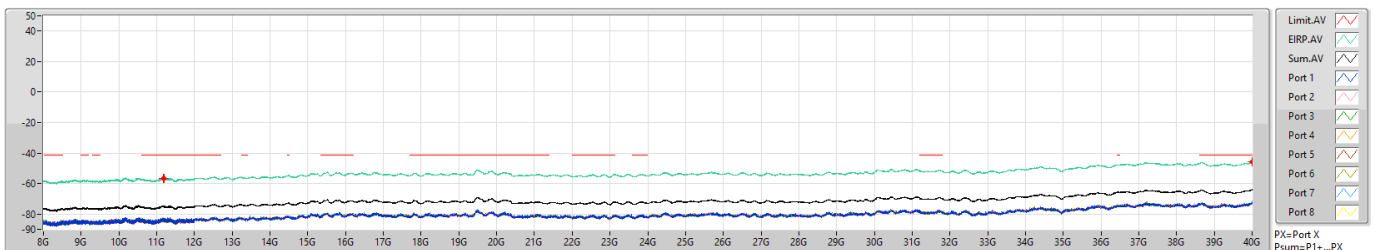
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	PK	10.509G	-46.81	-27.00	-19.81	18.00	0.00	-64.81	-73.97	-75.23	-72.63	-74.92	-75.72	-73.38	-71.80	-74.57
8G	12G	1M	PK	11.2295G	-47.39	-21.20	-26.19	18.00	0.00	-65.39	-73.44	-74.80	-75.25	-76.51	-75.20	-73.36	-74.65	-73.19
12G	40G	1M	PK	37.403G	-38.39	-27.00	-11.39	18.00	0.00	-56.39	-64.67	-69.97	-66.61	-64.60	-65.26	-64.84	-64.28	-65.36

802.11ax HEW80_Nss1,(MCS0)_8TX

5610MHz

CSE [AV]

05/11/2021



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)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8G	12G	1M	AV	11.1735G	-56.50	-41.20	-15.30	18.00	0.00	-74.50	-84.11	-83.55	-84.18	-83.51	-84.41	-83.26	-83.68	-82.01
8G	12G	1M	AV	11.199G	-56.82	-41.20	-15.62	18.00	0.00	-74.82	-83.98	-84.27	-83.45	-84.07	-84.03	-83.83	-83.80	-83.44
12G	40G	1M	AV	39.9895G	-45.79	-41.20	-4.59	18.00	0.00	-63.79	-72.97	-72.83	-73.01	-72.79	-73.13	-73.30	-71.63	-73.14



CSE TX above 1GHz (Bandedge BE) Result

__Conducted Test__ Radio 1 + Antenna Set 1

Appendix D.3

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	Pass	5.35G	5.39G	AV	5.37592G	18.00	-66.46	-67.79	-68.56	-68.99	-67.64	-68.75	-69.99	-70.15	-59.35	-41.35	-41.20	-0.15
802.11ax HEW20_Nss1,(MCS0)_8TX	Pass	5.35G	5.39G	AV	5.376G	18.00	-66.16	-67.94	-69.57	-68.94	-67.20	-69.31	-70.11	-70.17	-59.42	-41.42	-41.20	-0.22
802.11ax HEW40_Nss1,(MCS0)_8TX	Pass	5.07G	5.15G	AV	5.126G	18.00	-70.24	-68.14	-71.49	-70.89	-63.83	-67.95	-69.18	-70.21	-59.24	-41.24	-41.20	-0.04
802.11ax HEW80_Nss1,(MCS0)_8TX	Pass	5.35G	5.51G	AV	5.37592G	18.00	-66.74	-67.85	-69.13	-69.55	-69.00	-69.34	-70.10	-71.02	-59.88	-41.88	-41.20	-0.68
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	Pass	5.43G	5.47G	AV	5.45904G	18.00	-67.75	-69.63	-67.91	-68.05	-67.55	-69.81	-68.50	-70.58	-59.57	-41.57	-41.20	-0.37
802.11ax HEW20_Nss1,(MCS0)_8TX	Pass	4.9G	5.43G	AV	5.37601G	18.00	-65.36	-67.51	-69.07	-67.66	-69.12	-70.02	-70.21	-71.02	-59.35	-41.35	-41.20	-0.15
802.11ax HEW40_Nss1,(MCS0)_8TX	Pass	5.39G	5.47G	PK	5.46744G	18.00	-58.71	-56.25	-55.57	-47.96	-56.31	-56.34	-56.75	-57.60	-45.09	-27.09	-27.00	-0.09
802.11ax HEW80_Nss1,(MCS0)_8TX	Pass	5.31G	5.47G	AV	5.37592G	18.00	-66.62	-66.80	-69.96	-66.43	-68.74	-70.39	-70.68	-70.99	-59.41	-41.41	-41.20	-0.21

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



CSE TX above 1GHz (Bandedge BE) Result

Conducted Test_Radio 1 + Antenna Set 1

Appendix D.3

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11a_Nss1,(6Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	4.9G	5.11G	AV	5.08792G	18.00	-68.19	-71.12	-71.04	-71.37	-69.28	-71.07	-70.64	-70.35	-61.22	-43.22	-41.20	-2.02
5260MHz	Pass	5.11G	5.15G	AV	5.14472G	18.00	-68.96	-70.03	-69.64	-70.32	-69.58	-68.32	-69.38	-69.05	-60.34	-42.34	-41.20	-1.14
5260MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-69.15	-70.05	-69.88	-69.39	-69.57	-69.32	-68.82	-69.38	-60.40	-42.40	-41.20	-1.20
5260MHz	Pass	5.35G	5.39G	AV	5.37608G	18.00	-66.01	-67.82	-69.38	-69.31	-68.78	-70.39	-70.50	-71.67	-59.87	-41.87	-41.20	-0.67
5260MHz	Pass	5.39G	6.5G	AV	5.3968G	18.00	-71.68	-71.60	-71.63	-71.89	-71.89	-70.52	-70.63	-72.27	-62.44	-44.44	-41.20	-3.24
5260MHz	Pass	4.9G	5.11G	PK	5.07451G	18.00	-59.74	-60.92	-61.09	-62.57	-60.91	-60.06	-61.61	-60.51	-51.82	-33.82	-21.20	-12.62
5260MHz	Pass	5.11G	5.15G	PK	5.14032G	18.00	-53.63	-60.24	-61.13	-60.36	-50.25	-59.33	-60.59	-59.66	-47.09	-29.09	-21.20	-7.89
5260MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-60.44	-59.00	-60.53	-60.08	-60.30	-59.44	-59.45	-60.32	-50.88	-32.88	-21.20	-11.68
5260MHz	Pass	5.35G	5.39G	PK	5.37992G	18.00	-55.07	-62.04	-59.40	-60.77	-53.52	-60.41	-61.42	-61.71	-49.04	-31.04	-21.20	-9.84
5260MHz	Pass	5.39G	6.5G	PK	5.84718G	18.00	-64.15	-60.00	-61.25	-62.94	-61.21	-62.90	-61.98	-62.48	-52.91	-34.91	-27.00	-7.91
5300MHz	Pass	4.9G	5.11G	AV	5.10919G	18.00	-69.47	-69.63	-70.24	-70.02	-70.80	-70.17	-70.61	-69.99	-61.07	-43.07	-41.20	-1.87
5300MHz	Pass	5.11G	5.15G	AV	5.11208G	18.00	-68.07	-68.07	-69.34	-68.63	-68.76	-68.61	-69.50	-68.62	-59.64	-41.64	-41.20	-0.44
5300MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-69.57	-70.20	-69.59	-69.29	-69.21	-69.36	-68.90	-69.46	-60.40	-42.40	-41.20	-1.20
5300MHz	Pass	5.35G	5.39G	AV	5.376G	18.00	-65.46	-68.24	-68.91	-68.66	-67.60	-69.92	-70.56	-70.22	-59.36	-41.36	-41.20	-0.16
5300MHz	Pass	5.39G	6.5G	AV	5.39111G	18.00	-70.24	-71.88	-70.54	-70.69	-71.13	-69.58	-70.71	-71.06	-61.65	-43.65	-41.20	-2.45
5300MHz	Pass	4.9G	5.11G	PK	5.10696G	18.00	-61.18	-59.75	-59.35	-58.36	-62.86	-62.60	-61.89	-60.49	-51.52	-33.52	-21.20	-12.32
5300MHz	Pass	5.11G	5.15G	PK	5.11344G	18.00	-58.78	-58.74	-59.65	-59.56	-59.10	-59.75	-58.93	-57.91	-49.98	-31.98	-21.20	-10.78
5300MHz	Pass	5.15G	5.35G	PK	5.35G	18.00	-58.66	-60.36	-60.38	-60.40	-59.24	-59.67	-59.78	-59.62	-50.69	-32.69	-21.20	-11.49
5300MHz	Pass	5.35G	5.39G	PK	5.35336G	18.00	-59.01	-59.86	-57.65	-58.71	-60.58	-59.93	-57.88	-60.10	-50.07	-32.07	-21.20	-10.87
5300MHz	Pass	5.39G	6.5G	PK	5.84857G	18.00	-62.77	-61.60	-63.38	-61.53	-63.15	-61.90	-61.06	-59.93	-52.75	-34.75	-27.00	-7.75
5320MHz	Pass	4.9G	5.11G	AV	5.08795G	18.00	-68.18	-71.53	-69.74	-70.05	-69.45	-70.32	-71.71	-71.65	-61.14	-43.14	-41.20	-1.94
5320MHz	Pass	5.11G	5.15G	AV	5.12744G	18.00	-67.53	-68.28	-69.28	-69.28	-68.17	-69.34	-69.23	-68.67	-59.64	-41.64	-41.20	-0.44
5320MHz	Pass	5.15G	5.35G	AV	5.35G	18.00	-69.33	-69.54	-69.00	-69.21	-68.85	-68.72	-68.88	-69.28	-60.06	-42.06	-41.20	-0.86
5320MHz	Pass	5.35G	5.39G	AV	5.37592G	18.00	-66.46	-67.79	-68.56	-68.99	-67.64	-68.75	-69.99	-70.15	-59.35	-41.35	-41.20	-0.15
5320MHz	Pass	5.39G	6.5G	AV	5.39097G	18.00	-71.57	-71.82	-70.85	-72.03	-70.38	-70.33	-71.26	-70.88	-62.07	-44.07	-41.20	-2.87
5320MHz	Pass	4.9G	5.11G	PK	5.08792G	18.00	-61.72	-62.14	-62.32	-61.22	-56.56	-61.78	-60.16	-61.66	-51.46	-33.46	-21.20	-12.26
5320MHz	Pass	5.11G	5.15G	PK	5.12152G	18.00	-58.82	-58.21	-59.87	-57.85	-58.24	-59.85	-58.15	-59.52	-49.72	-31.72	-21.20	-10.52
5320MHz	Pass	5.15G	5.35G	PK	5.35G	18.00	-60.69	-60.15	-59.89	-58.51	-59.08	-60.09	-59.34	-58.36	-50.41	-32.41	-21.20	-11.21
5320MHz	Pass	5.35G	5.39G	PK	5.35208G	18.00	-59.01	-59.44	-58.57	-58.12	-57.95	-58.55	-59.09	-59.02	-49.66	-31.66	-21.20	-10.46
5320MHz	Pass	5.39G	6.5G	PK	5.7921G	18.00	-64.81	-62.56	-61.43	-63.26	-55.82	-64.05	-61.00	-53.65	-49.91	-31.91	-27.00	-4.91
5500MHz	Pass	4.9G	5.43G	AV	5.37601G	18.00	-66.43	-68.58	-69.61	-67.94	-68.70	-72.78	-70.58	-72.76	-60.16	-42.16	-41.20	-0.96
5500MHz	Pass	5.43G	5.47G	AV	5.45904G	18.00	-67.75	-69.63	-67.91	-68.05	-67.55	-69.81	-68.50	-70.58	-59.57	-41.57	-41.20	-0.37
5500MHz	Pass	4.9G	5.43G	PK	5.18415G	18.00	-63.23	-62.14	-62.34	-59.37	-64.22	-64.31	-61.17	-63.50	-53.20	-35.20	-27.00	-8.20
5500MHz	Pass	5.43G	5.47G	PK	5.46656G	18.00	-60.38	-60.40	-58.47	-57.62	-57.52	-60.04	-57.67	-61.28	-49.92	-31.92	-27.00	-4.92
5500MHz	Pass	5.47G	5.725G	PK	5.47G	18.00	-60.78	-61.20	-59.99	-57.73	-58.92	-60.06	-57.52	-61.22	-50.42	-32.42	-27.00	-5.42
5500MHz	Pass	5.725G	5.765G	PK	5.76012G	18.00	-58.39	-57.47	-58.72	-57.35	-58.24	-60.59	-59.37	-59.93	-49.60	-31.60	-27.00	-4.60
5500MHz	Pass	5.765G	6.5G	PK	5.78705G	18.00	-60.01	-61.02	-62.60	-59.18	-58.36	-61.88	-60.71	-61.43	-51.41	-33.41	-27.00	-6.41
5580MHz	Pass	4.9G	5.43G	AV	5.37594G	18.00	-66.91	-67.24	-69.75	-67.46	-68.20	-71.82	-70.88	-69.68	-59.65	-41.65	-41.20	-0.45
5580MHz	Pass	5.43G	5.47G	AV	5.45968G	18.00	-68.69	-68.93	-68.29	-68.28	-69.22	-68.74	-68.95	-68.70	-59.68	-41.68	-41.20	-0.48
5580MHz	Pass	4.9G	5.43G	PK	5.18382G	18.00	-61.83	-59.04	-60.98	-62.51	-60.92	-63.18	-62.70	-61.19	-52.33	-34.33	-27.00	-7.33
5580MHz	Pass	5.43G	5.47G	PK	5.46024G	18.00	-52.05	-59.77	-58.74	-57.98	-50.37	-58.12	-59.97	-59.55	-46.37	-28.37	-27.00	-1.37
5580MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-58.92	-58.46	-59.18	-58.04	-56.24	-58.72	-59.55	-57.04	-49.10	-31.10	-27.00	-4.10
5580MHz	Pass	5.725G	5.765G	PK	5.75996G	18.00	-55.05	-58.24	-58.27	-58.42	-56.79	-59.98	-59.30	-58.52	-48.78	-30.78	-27.00	-3.78
5580MHz	Pass	5.765G	6.5G	PK	5.78282G	18.00	-61.60	-62.15	-60.38	-60.65	-61.71	-60.18	-61.20	-52.33	-49.46	-31.46	-27.00	-4.46
5700MHz	Pass	4.9G	5.43G	AV	5.37621G	18.00	-66.83	-67.28	-69.62	-67.93	-69.87	-69.54	-69.67	-70.93	-59.72	-41.72	-41.20	-0.52
5700MHz	Pass	5.43G	5.47G	AV	5.44792G	18.00	-69.80	-68.68	-69.44	-68.86	-68.98	-67.18	-68.95	-69.07	-59.78	-41.78	-41.20	-0.58
5700MHz	Pass	4.9G	5.43G	PK	5.18408G	18.00	-60.29	-60.34	-60.27	-60.14	-63.14	-64.97	-62.37	-61.22	-52.29	-34.29	-27.00	-7.29
5700MHz	Pass	5.43G	5.47G	PK	5.46528G	18.00	-60.57	-59.75	-59.32	-60.02	-58.11	-57.20	-58.70	-59.43	-49.98	-31.98	-27.00	-4.98
5700MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-57.45	-57.05	-57.87	-57.92	-58.15	-57.86	-57.60	-58.23	-48.72	-30.72	-27.00	-3.72
5700MHz	Pass	5.725G	5.765G	PK	5.72684G	18.00	-58.00	-56.44	-58.05	-57.41	-56.40	-57.86	-56.31	-57.84	-48.20	-30.20	-27.00	-3.20
5700MHz	Pass	5.765G	6.5G	PK	5.82022G	18.00	-61.28	-60.52	-61.89	-62.21	-51.83	-60.33	-61.89	-60.55	-49.25	-31.25	-27.00	-4.25
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	4.9G	5.11G	AV	5.08798G	18.00	-68.37	-71.11	-71.30	-70.48	-70.36	-70.78	-71.16	-71.84	-61.52	-43.52	-41.20	-2.32
5260MHz	Pass	5.11G	5.15G	AV	5.14496G	18.00	-69.32	-69.88	-69.50	-70.27	-69.73	-67.84	-69.35	-69.46	-60.33	-42.33	-41.20	-1.13
5260MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-69.58	-69.66	-69.92	-70.11	-69.84	-69.46	-69.34	-69.40	-60.63	-42.63	-41.20	-1.43
5260MHz	Pass	5.35G	5.39G	AV	5.376G	18.00	-65.95	-68.16	-69.25	-69.17	-68.61	-70.27	-70.90	-71.71	-59.88	-41.88	-41.20	-0.68
5260MHz	Pass	5.39G	6.5G	AV	5.39791G	18.00	-70.37	-72.37	-71.95	-72.58	-71.74	-70.38	-71.84	-71.74	-62.52	-44.52	-41.20	-3.32
5260MHz	Pass	4.9G	5.11G	PK	5.07065G	18.00	-60.96	-61.40	-59.85	-62.32	-60.37	-60.82	-61.04	-60.66	-51.84	-33.84	-21.20	-12.64
5260MHz	Pass	5.11G	5.15G	PK	5.13952G	18.00	-54.17	-59.44	-60.50	-60.90	-51.23	-60.11	-60.07	-60.01	-47.65	-29.65	-21.20	-8.45
5260MHz	Pass	5.15G	5.35G	PK	5.35G	18.00	-60.03	-59.28	-59.85	-60.20	-59.78	-60.10	-60.75	-60.24	-50.98	-32.98	-21.20	-11.78
5260MHz	Pass	5.35G	5.39G	PK	5.3804G	18.00	-56.04	-61.84	-61.39	-60.53	-53.23	-60.60	-61.68	-62.12	-49.33	-31.33	-21.20	-10.13
5260MHz	Pass	5.39G	6.5G	PK	5.805G	18.00	-61.06	-60.45	-61.19	-63.21	-60.89	-62.53	-63.39	-64.14	-52.89	-34.89	-27.00	-7.89
5300MHz	Pass	4.9G	5.11G	AV	5.08785G	18.00	-68.04	-70.30	-70.47	-70.38	-69.86	-71.33	-70.09	-70.31	-60.97	-42.97	-41.20	-1.77
5300MHz	Pass	5.11G	5.15G	AV	5.11232G	18.00	-67.82	-68.97	-69.83	-68.43	-70.09	-69.69	-69					



CSE TX above 1GHz (Bandedge BE) Result

Conducted Test_Radio 1 + Antenna Set 1

Appendix D.3

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5300MHz	Pass	5.11G	5.15G	PK	5.11336G	18.00	-57.63	-56.49	-59.74	-59.60	-58.94	-59.70	-59.53	-57.59	-49.46	-31.46	-21.20	-10.26
5300MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-59.87	-58.71	-60.68	-59.12	-60.42	-59.78	-59.99	-59.00	-50.62	-32.62	-21.20	-11.42
5300MHz	Pass	5.35G	5.39G	PK	5.35104G	18.00	-59.53	-59.70	-59.49	-58.52	-58.21	-59.20	-60.50	-59.90	-50.29	-32.29	-21.20	-11.09
5300MHz	Pass	5.39G	6.5G	PK	5.8655G	18.00	-64.15	-61.98	-61.23	-60.26	-62.55	-62.80	-61.11	-62.03	-52.84	-34.84	-27.00	-7.84
5320MHz	Pass	4.9G	5.11G	AV	5.088G	18.00	-67.60	-70.87	-71.94	-71.09	-68.48	-71.55	-71.04	-71.98	-61.24	-43.24	-41.20	-2.04
5320MHz	Pass	5.11G	5.15G	AV	5.13176G	18.00	-69.04	-68.28	-70.41	-69.85	-68.30	-69.41	-69.26	-68.61	-60.06	-42.06	-41.20	-0.86
5320MHz	Pass	5.15G	5.35G	AV	5.35G	18.00	-69.10	-69.36	-70.36	-68.52	-69.42	-68.88	-69.10	-69.11	-60.17	-42.17	-41.20	-0.97
5320MHz	Pass	5.35G	5.39G	AV	5.376G	18.00	-66.16	-67.94	-69.57	-68.94	-67.20	-69.31	-70.11	-70.17	-59.42	-41.42	-41.20	-0.22
5320MHz	Pass	5.39G	6.5G	AV	5.39111G	18.00	-71.16	-71.01	-71.71	-71.23	-70.83	-71.11	-71.41	-71.62	-62.22	-44.22	-41.20	-3.02
5320MHz	Pass	4.9G	5.11G	PK	5.08785G	18.00	-58.18	-63.09	-61.42	-61.74	-60.27	-62.49	-63.19	-62.05	-52.21	-34.21	-21.20	-13.01
5320MHz	Pass	5.11G	5.15G	PK	5.13024G	18.00	-58.20	-58.75	-59.45	-59.81	-58.39	-59.81	-58.37	-58.74	-49.87	-31.87	-21.20	-10.67
5320MHz	Pass	5.15G	5.35G	PK	5.35G	18.00	-59.08	-59.76	-60.39	-59.48	-58.68	-58.26	-59.09	-58.54	-50.08	-32.08	-21.20	-10.88
5320MHz	Pass	5.35G	5.39G	PK	5.35608G	18.00	-58.74	-59.75	-59.36	-59.97	-57.17	-59.34	-59.59	-59.31	-50.04	-32.04	-21.20	-10.84
5320MHz	Pass	5.39G	6.5G	PK	5.84038G	18.00	-61.42	-60.88	-59.72	-61.32	-62.37	-63.15	-62.78	-62.94	-52.64	-34.64	-27.00	-7.64
5500MHz	Pass	4.9G	5.43G	AV	5.37601G	18.00	-66.42	-68.61	-69.24	-67.34	-68.20	-72.29	-71.34	-72.86	-59.98	-41.98	-41.20	-0.78
5500MHz	Pass	5.43G	5.47G	AV	5.45704G	18.00	-68.46	-69.84	-67.75	-68.29	-67.44	-69.90	-67.57	-70.48	-59.55	-41.55	-41.20	-0.35
5500MHz	Pass	4.9G	5.43G	PK	5.28008G	18.00	-64.95	-62.89	-62.78	-59.29	-61.50	-65.86	-62.75	-62.13	-53.33	-35.33	-27.00	-8.33
5500MHz	Pass	5.43G	5.47G	PK	5.46608G	18.00	-58.92	-60.06	-58.74	-59.10	-56.99	-55.90	-58.36	-59.77	-49.24	-31.24	-27.00	-4.24
5500MHz	Pass	5.47G	5.725G	PK	5.47G	18.00	-58.97	-60.23	-58.62	-59.18	-57.72	-59.76	-57.97	-59.73	-49.91	-31.91	-27.00	-4.91
5500MHz	Pass	5.725G	5.765G	PK	5.75988G	18.00	-57.18	-59.33	-59.25	-57.82	-57.88	-60.28	-58.38	-59.55	-49.57	-31.57	-27.00	-4.57
5500MHz	Pass	5.765G	6.5G	PK	5.79936G	18.00	-59.94	-59.78	-59.56	-62.26	-59.85	-61.80	-58.36	-62.77	-51.28	-33.28	-27.00	-6.28
5580MHz	Pass	4.9G	5.43G	AV	5.37607G	18.00	-66.05	-67.43	-69.21	-66.77	-69.68	-70.76	-71.38	-70.85	-59.56	-41.56	-41.20	-0.36
5580MHz	Pass	5.43G	5.47G	AV	5.45848G	18.00	-69.50	-68.42	-67.90	-68.38	-68.76	-68.71	-69.32	-69.19	-59.71	-41.71	-41.20	-0.51
5580MHz	Pass	4.9G	5.43G	PK	5.18388G	18.00	-60.13	-63.42	-60.32	-61.51	-63.33	-63.92	-61.05	-59.69	-52.37	-34.37	-27.00	-7.37
5580MHz	Pass	5.43G	5.47G	PK	5.4612G	18.00	-53.81	-60.25	-58.33	-58.78	-51.31	-59.73	-59.68	-59.25	-47.30	-29.30	-27.00	-2.30
5580MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-58.49	-57.99	-58.91	-59.23	-57.87	-58.43	-58.67	-59.33	-49.56	-31.56	-27.00	-4.56
5580MHz	Pass	5.725G	5.765G	PK	5.75996G	18.00	-57.05	-57.34	-58.99	-58.00	-57.12	-59.85	-59.39	-57.58	-49.02	-31.02	-27.00	-4.02
5580MHz	Pass	5.765G	6.5G	PK	5.77373G	18.00	-58.55	-59.80	-61.09	-60.31	-59.47	-60.36	-58.49	-57.29	-50.23	-32.23	-27.00	-5.23
5700MHz	Pass	4.9G	5.43G	AV	5.37601G	18.00	-65.36	-67.51	-69.07	-67.66	-69.12	-70.02	-70.21	-71.02	-59.35	-41.35	-41.20	-0.15
5700MHz	Pass	5.43G	5.47G	AV	5.4472G	18.00	-69.63	-69.05	-68.75	-69.40	-68.74	-67.96	-68.68	-68.37	-59.76	-41.76	-41.20	-0.56
5700MHz	Pass	4.9G	5.43G	PK	5.31214G	18.00	-64.57	-62.67	-60.77	-61.94	-60.64	-61.90	-59.96	-61.30	-52.50	-34.50	-27.00	-7.50
5700MHz	Pass	5.43G	5.47G	PK	5.46328G	18.00	-59.21	-58.24	-60.08	-59.34	-59.23	-59.05	-57.64	-58.00	-49.75	-31.75	-27.00	-4.75
5700MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-57.37	-56.22	-58.31	-56.88	-57.21	-56.43	-55.48	-57.11	-47.77	-29.77	-27.00	-2.77
5700MHz	Pass	5.725G	5.765G	PK	5.7254G	18.00	-57.34	-57.11	-57.19	-57.58	-55.23	-55.56	-57.49	-57.53	-47.75	-29.75	-27.00	-2.75
5700MHz	Pass	5.765G	6.5G	PK	5.79054G	18.00	-60.13	-59.34	-58.45	-58.99	-59.96	-58.89	-60.39	-50.90	-47.91	-29.91	-27.00	-2.91
802.11ax HEV40_Nss1(MCS0)_B7X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	4.9G	5.07G	AV	5.06949G	18.00	-72.16	-69.84	-73.05	-71.34	-69.60	-71.31	-72.37	-71.89	-62.26	-44.26	-41.20	-3.06
5270MHz	Pass	5.07G	5.15G	AV	5.126G	18.00	-70.24	-68.14	-71.49	-70.89	-63.83	-67.95	-69.18	-70.21	-59.24	-41.24	-41.20	-0.04
5270MHz	Pass	5.15G	5.35G	AV	5.15G	18.00	-71.27	-68.58	-70.53	-71.32	-68.72	-68.66	-68.20	-70.95	-60.57	-42.57	-41.20	-1.37
5270MHz	Pass	5.35G	5.43G	AV	5.37592G	18.00	-68.24	-68.11	-69.95	-69.98	-67.76	-69.80	-70.46	-71.69	-60.29	-42.29	-41.20	-1.09
5270MHz	Pass	5.43G	6.5G	AV	5.43027G	18.00	-72.98	-73.75	-73.33	-71.50	-72.18	-71.99	-73.68	-72.54	-63.64	-45.64	-41.20	-4.44
5270MHz	Pass	4.9G	5.07G	PK	5.0687G	18.00	-62.14	-61.37	-63.58	-64.31	-62.58	-60.78	-61.62	-61.37	-53.05	-35.05	-21.20	-13.85
5270MHz	Pass	5.07G	5.15G	PK	5.14968G	18.00	-61.12	-59.03	-61.38	-61.26	-62.20	-58.68	-59.47	-61.41	-41.74	-23.74	-21.20	-2.54
5270MHz	Pass	5.15G	5.35G	PK	5.15G	18.00	-61.77	-60.37	-61.35	-61.68	-57.74	-58.99	-58.89	-61.13	-50.97	-32.97	-21.20	-11.77
5270MHz	Pass	5.35G	5.43G	PK	5.3892G	18.00	-62.11	-62.37	-61.81	-62.38	-45.13	-60.83	-61.89	-61.33	-44.52	-26.52	-21.20	-5.32
5270MHz	Pass	5.43G	6.5G	PK	5.77949G	18.00	-60.87	-61.51	-63.45	-63.32	-62.01	-61.11	-62.34	-60.84	-52.80	-34.80	-27.00	-7.80
5310MHz	Pass	4.9G	5.07G	AV	4.99184G	18.00	-71.64	-73.12	-72.29	-69.47	-71.45	-73.71	-71.88	-70.60	-62.55	-44.55	-41.20	-3.35
5310MHz	Pass	5.07G	5.15G	AV	5.08792G	18.00	-68.00	-70.13	-70.14	-69.09	-70.16	-69.65	-69.02	-70.40	-60.47	-42.47	-41.20	-1.27
5310MHz	Pass	5.15G	5.35G	AV	5.35G	18.00	-69.91	-69.93	-69.95	-68.54	-68.27	-68.46	-69.25	-68.23	-59.98	-41.98	-41.20	-0.78
5310MHz	Pass	5.35G	5.43G	AV	5.35G	18.00	-68.54	-70.27	-69.59	-68.89	-68.51	-68.57	-68.39	-68.30	-59.81	-41.81	-41.20	-0.61
5310MHz	Pass	5.43G	6.5G	AV	5.44645G	18.00	-73.27	-72.21	-72.34	-72.32	-72.73	-72.52	-73.62	-72.33	-63.61	-45.61	-41.20	-4.41
5310MHz	Pass	4.9G	5.07G	PK	5.06771G	18.00	-63.49	-60.68	-64.01	-60.44	-63.63	-61.42	-61.33	-62.83	-53.00	-35.00	-21.20	-13.80
5310MHz	Pass	5.07G	5.15G	PK	5.13112G	18.00	-59.76	-57.96	-60.63	-60.19	-60.05	-60.32	-58.70	-59.22	-50.49	-32.49	-21.20	-11.29
5310MHz	Pass	5.15G	5.35G	PK	5.35G	18.00	-58.92	-59.56	-60.39	-59.71	-57.89	-59.23	-59.57	-58.44	-50.12	-32.12	-21.20	-10.92
5310MHz	Pass	5.35G	5.43G	PK	5.35032G	18.00	-59.16	-48.59	-59.93	-58.01	-50.50	-59.25	-59.08	-48.17	-43.54	-25.54	-21.20	-4.34
5310MHz	Pass	5.43G	6.5G	PK	5.77895G	18.00	-63.46	-59.95	-62.22	-64.32	-65.00	-55.60	-63.03	-63.70	-51.92	-33.92	-27.00	-6.92
5510MHz	Pass	4.9G	5.39G	AV	5.37597G	18.00	-67.53	-68.08	-71.91	-67.72	-68.68	-71.57	-70.33	-72.19	-60.34	-42.34	-41.20	-1.14
5510MHz	Pass	5.39G	5.47G	AV	5.45992G	18.00	-69.40	-69.52	-69.11	-69.08	-67.44	-68.92	-66.87	-69.32	-59.57	-41.57	-41.20	-0.37
5510MHz	Pass	4.9G	5.39G	PK	5.3892G	18.00	-64.20	-63.66	-62.10	-63.84	-43.80	-62.37	-61.35	-61.39	-43.41	-25.41	-21.20	-4.21
5510MHz	Pass	5.39G	5.47G	PK	5.46744G	18.00	-58.71	-56.25	-55.57	-47.96	-56.31	-56.34	-56.75	-57.60	-45.09	-27.09	-27.00	-0.09
5510MHz	Pass	5.47G	5.725G	PK	5.47G	18.00	-56.82	-56.87	-55.07	-50.66	-56.03	-55.54	-55.58	-58.03	-45.94	-27.94	-27.00	-0.94
5510MHz	Pass	5.725G	5.805G	PK	5.75988G	18.00	-58.68	-58.83	-59.84	-59.20	-57.40	-60.01	-58.53	-60.07	-49.95	-31.95	-27.00	-4.95
5510MHz	Pass	5.805G	6.5G	PK	5.80509G	18.00	-61.42	-61.89	-62.52	-58.59	-58.84	-61.50	-60.65	-60.39	-51.49	-33.49	-27.00	-6.49
5550MHz	Pass	4.9G	5.39G	AV	5.37597G	18.00	-67.50	-66.89	-69.74	-69.01	-66.84	-72.14	-70.22	-71.67	-59.81	-41.81	-41.20	-0.61
5550MHz	Pass	5.39G	5.47G	AV	5.4544G	18.00	-70.19	-69.59	-69.41	-70.16	-64.91	-68.58	-67.					



CSE TX above 1GHz (Bandedge BE) Result

__Conducted Test__ Radio 1 + Antenna Set 1

Appendix D.3

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	P5 (dBm)	P6 (dBm)	P7 (dBm)	P8 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5670MHz	Pass	4.9G	5.39G	AV	5.37604G	18.00	-67.49	-68.22	-71.07	-68.87	-69.33	-70.84	-71.23	-72.54	-60.62	-42.62	-41.20	-1.42
5670MHz	Pass	5.39G	5.47G	AV	5.45976G	18.00	-70.98	-70.01	-70.18	-69.93	-70.39	-70.67	-69.28	-69.81	-61.10	-43.10	-41.20	-1.90
5670MHz	Pass	4.9G	5.39G	PK	5.1842G	18.00	-63.33	-64.03	-63.29	-61.05	-64.95	-61.07	-62.03	-61.12	-53.36	-35.36	-27.00	-8.36
5670MHz	Pass	5.39G	5.47G	PK	5.46424G	18.00	-58.02	-60.05	-59.05	-60.02	-61.99	-61.59	-59.16	-59.45	-50.72	-32.72	-27.00	-5.72
5670MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-60.72	-60.73	-60.75	-59.42	-60.25	-59.54	-57.59	-59.54	-50.66	-32.66	-27.00	-5.66
5670MHz	Pass	5.725G	5.805G	PK	5.78996G	18.00	-52.86	-60.38	-59.77	-60.75	-47.79	-61.32	-60.26	-60.36	-45.65	-27.65	-27.00	-0.65
5670MHz	Pass	5.805G	6.5G	PK	5.81456G	18.00	-61.20	-60.59	-61.96	-61.67	-58.44	-60.35	-60.63	-62.55	-51.72	-33.72	-27.00	-6.72
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	4.9G	4.99G	AV	4.98161G	18.00	-73.28	-74.20	-71.85	-72.65	-73.03	-73.85	-72.88	-72.87	-63.99	-45.99	-41.20	-4.79
5290MHz	Pass	4.99G	5.15G	AV	5.14616G	18.00	-68.84	-70.81	-71.06	-70.33	-65.39	-69.28	-70.18	-69.94	-60.05	-42.05	-41.20	-0.85
5290MHz	Pass	5.15G	5.35G	AV	5.35G	18.00	-70.65	-69.59	-69.56	-69.46	-69.18	-68.07	-68.88	-69.89	-60.32	-42.32	-41.20	-1.12
5290MHz	Pass	5.35G	5.51G	AV	5.37592G	18.00	-66.74	-67.85	-69.13	-69.55	-69.00	-69.34	-70.10	-71.02	-59.88	-41.88	-41.20	-0.68
5290MHz	Pass	4.9G	4.99G	PK	4.98556G	18.00	-63.00	-64.38	-63.37	-60.99	-65.00	-65.67	-62.15	-65.18	-54.41	-36.41	-21.20	-15.21
5290MHz	Pass	4.99G	5.15G	PK	5.14584G	18.00	-60.22	-61.84	-60.81	-60.90	-58.57	-58.23	-61.01	-59.29	-50.91	-32.91	-21.20	-11.71
5290MHz	Pass	5.15G	5.35G	PK	5.35G	18.00	-61.07	-58.03	-59.82	-59.54	-58.95	-55.65	-59.90	-60.82	-49.85	-31.85	-21.20	-10.65
5290MHz	Pass	5.35G	5.51G	PK	5.35192G	18.00	-61.01	-58.81	-56.34	-55.74	-48.63	-57.04	-60.22	-61.62	-46.12	-28.12	-21.20	-6.92
5290MHz	Pass	5.51G	6.5G	PK	5.77817G	18.00	-62.79	-63.17	-62.21	-62.99	-62.83	-54.73	-63.28	-64.73	-51.67	-33.67	-27.00	-6.67
5530MHz	Pass	4.9G	5.31G	AV	5.08804G	18.00	-68.90	-72.36	-71.77	-71.17	-72.58	-74.88	-72.32	-73.00	-62.79	-44.79	-41.20	-3.59
5530MHz	Pass	5.31G	5.47G	AV	5.37592G	18.00	-66.62	-66.80	-69.96	-66.43	-68.74	-70.39	-70.68	-70.99	-59.41	-41.41	-41.20	-0.21
5530MHz	Pass	4.9G	5.31G	PK	5.18382G	18.00	-62.53	-63.83	-62.99	-62.73	-62.88	-65.98	-63.76	-61.20	-54.03	-36.03	-27.00	-9.03
5530MHz	Pass	5.31G	5.47G	PK	5.46872G	18.00	-59.37	-58.32	-56.16	-59.10	-58.35	-58.24	-57.17	-58.00	-48.95	-30.95	-27.00	-3.95
5530MHz	Pass	5.47G	5.725G	PK	5.47G	18.00	-59.56	-59.25	-58.48	-58.25	-59.00	-57.26	-58.37	-59.34	-49.60	-31.60	-27.00	-4.60
5530MHz	Pass	5.725G	5.885G	PK	5.78324G	18.00	-61.19	-59.73	-60.86	-59.56	-59.32	-61.94	-61.08	-51.45	-48.70	-30.70	-27.00	-3.70
5530MHz	Pass	5.885G	6.5G	PK	5.90576G	18.00	-62.83	-63.36	-62.62	-63.44	-63.02	-62.23	-61.02	-59.77	-53.08	-35.08	-27.00	-8.08
5610MHz	Pass	4.9G	5.31G	AV	4.99194G	18.00	-72.82	-72.83	-72.32	-71.15	-70.43	-75.04	-74.75	-72.83	-63.49	-45.49	-41.20	-4.29
5610MHz	Pass	5.31G	5.47G	AV	5.37592G	18.00	-67.09	-66.51	-70.21	-67.58	-69.33	-71.71	-71.02	-71.66	-59.91	-41.91	-41.20	-0.71
5610MHz	Pass	4.9G	5.31G	PK	5.18403G	18.00	-59.57	-62.03	-61.00	-61.38	-62.96	-64.06	-62.26	-61.59	-52.64	-34.64	-27.00	-7.64
5610MHz	Pass	5.31G	5.47G	PK	5.46776G	18.00	-61.36	-61.14	-61.32	-60.31	-61.66	-60.93	-59.29	-62.12	-51.90	-33.90	-27.00	-6.90
5610MHz	Pass	5.47G	5.725G	PK	5.725G	18.00	-59.50	-60.75	-60.66	-58.69	-60.22	-61.03	-59.79	-59.97	-50.99	-32.99	-27.00	-5.99
5610MHz	Pass	5.725G	5.885G	PK	5.73044G	18.00	-59.01	-61.51	-61.01	-59.59	-49.89	-60.67	-58.55	-61.49	-47.68	-29.68	-27.00	-2.68
5610MHz	Pass	5.885G	6.5G	PK	6.10971G	18.00	-62.26	-63.44	-63.19	-57.18	-61.51	-63.29	-64.44	-62.71	-52.59	-34.59	-27.00	-7.59

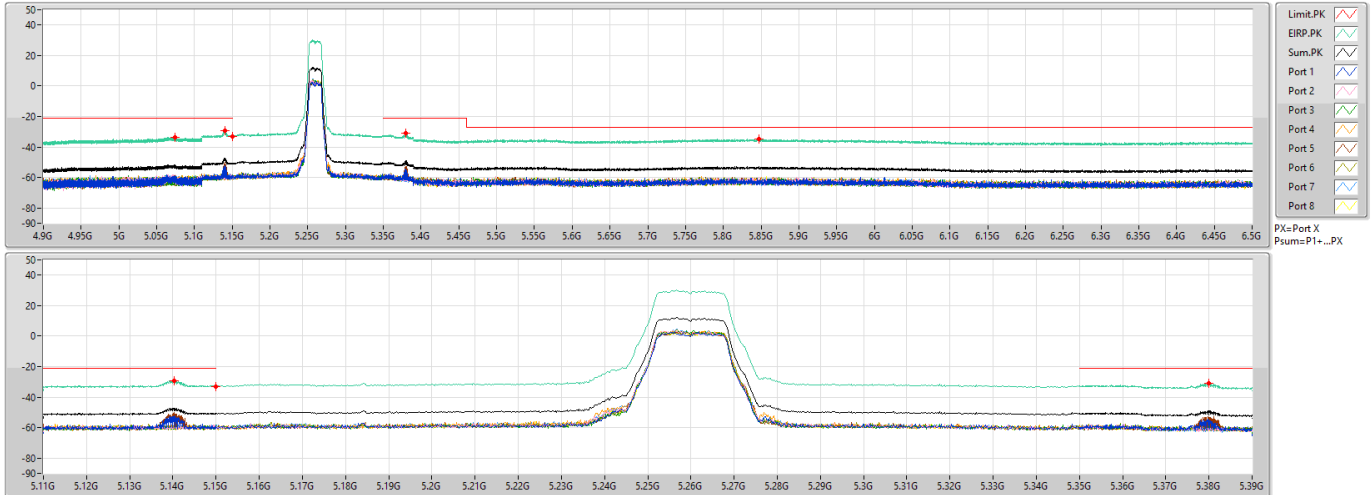
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11a_Nss1,(6Mbps)_8TX

5260MHz

CSE [PK]

28/09/2021



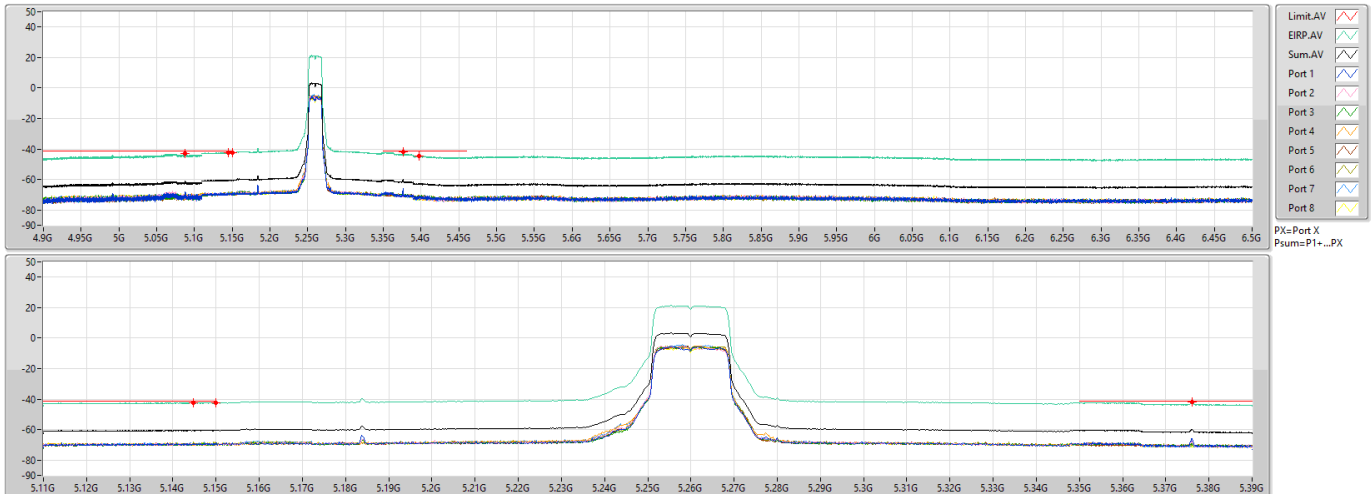
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
4.9G	5.11G	1M	PK	5.07451G	-33.82	-21.20	-12.62	18.00	0.00	-51.82	-59.74	-60.92	-61.09	-62.57	-60.91	-60.06	-61.61	-60.51
5.11G	5.15G	1M	PK	5.14032G	-29.09	-21.20	-7.89	18.00	0.00	-47.09	-53.63	-60.24	-61.13	-60.36	-50.25	-59.33	-60.59	-59.66
5.15G	5.35G	1M	PK	5.15G	-32.88	-21.20	-11.68	18.00	0.00	-50.88	-60.44	-59.00	-60.53	-60.08	-60.30	-59.44	-59.45	-60.32
5.35G	5.39G	1M	PK	5.37992G	-31.04	-21.20	-9.84	18.00	0.00	-49.04	-55.07	-62.04	-59.40	-60.77	-53.52	-60.41	-61.42	-61.71
5.39G	6.5G	1M	PK	5.84718G	-34.91	-27.00	-7.91	18.00	0.00	-52.91	-64.15	-60.00	-61.25	-62.94	-61.21	-62.90	-61.98	-62.48

802.11a_Nss1,(6Mbps)_8TX

5260MHz

CSE [AV]

28/09/2021



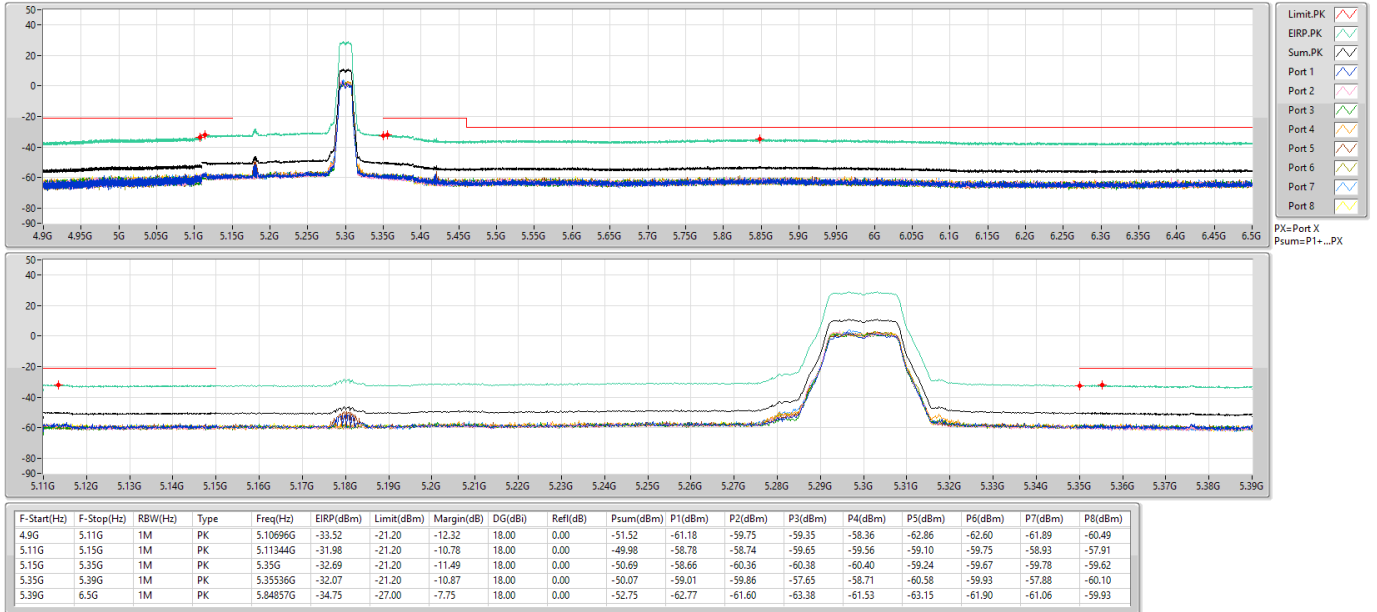
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
4.9G	5.11G	1M	AV	5.08792G	-43.22	-41.20	-2.02	18.00	0.00	-61.22	-68.19	-71.12	-71.04	-71.37	-69.28	-71.07	-70.64	-70.35
5.11G	5.15G	1M	AV	5.14472G	-42.34	-41.20	-1.14	18.00	0.00	-60.34	-68.96	-70.03	-69.64	-70.32	-69.58	-68.32	-69.38	-69.05
5.15G	5.35G	1M	AV	5.15G	-42.40	-41.20	-1.20	18.00	0.00	-60.40	-69.15	-70.05	-69.88	-69.39	-69.57	-69.32	-68.82	-69.38
5.35G	5.39G	1M	AV	5.37608G	-41.87	-41.20	-0.67	18.00	0.00	-59.87	-66.01	-67.82	-69.38	-69.31	-68.78	-70.39	-70.50	-71.67
5.39G	6.5G	1M	AV	5.3968G	-44.44	-41.20	-3.24	18.00	0.00	-62.44	-71.88	-71.60	-71.63	-71.89	-71.89	-70.52	-70.63	-72.27

802.11a_Nss1,(6Mbps)_8TX

5300MHz

CSE [PK]

28/09/2021

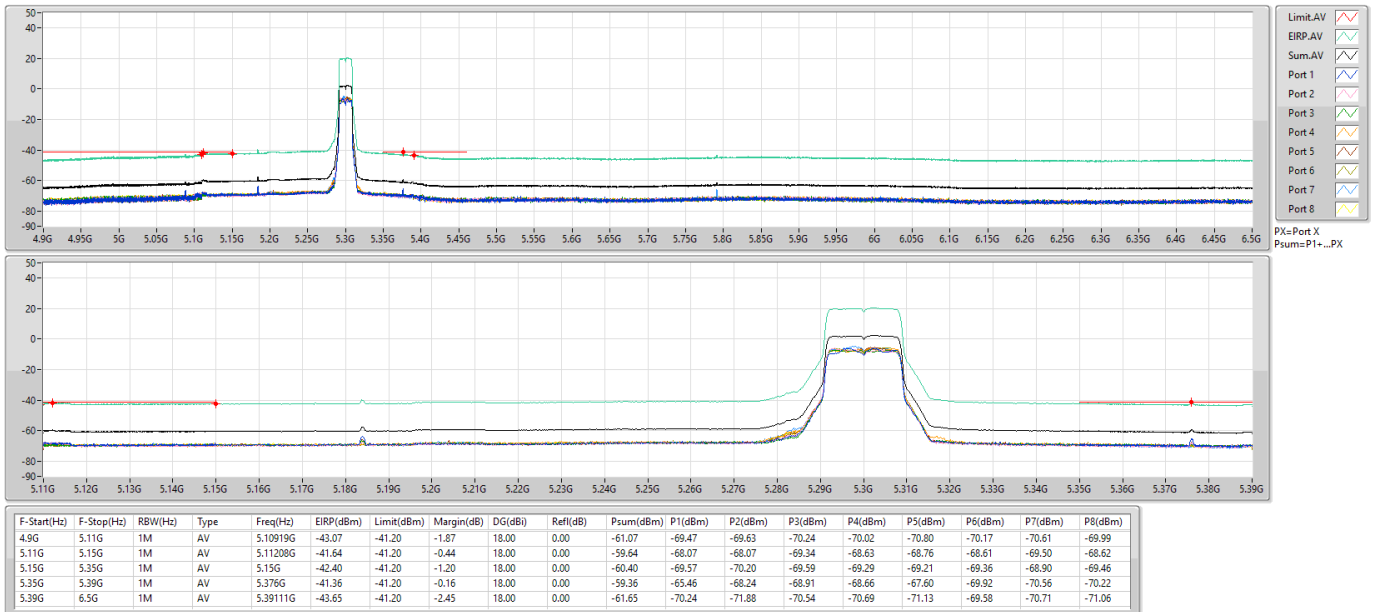


802.11a_Nss1,(6Mbps)_8TX

5300MHz

CSE [AV]

28/09/2021

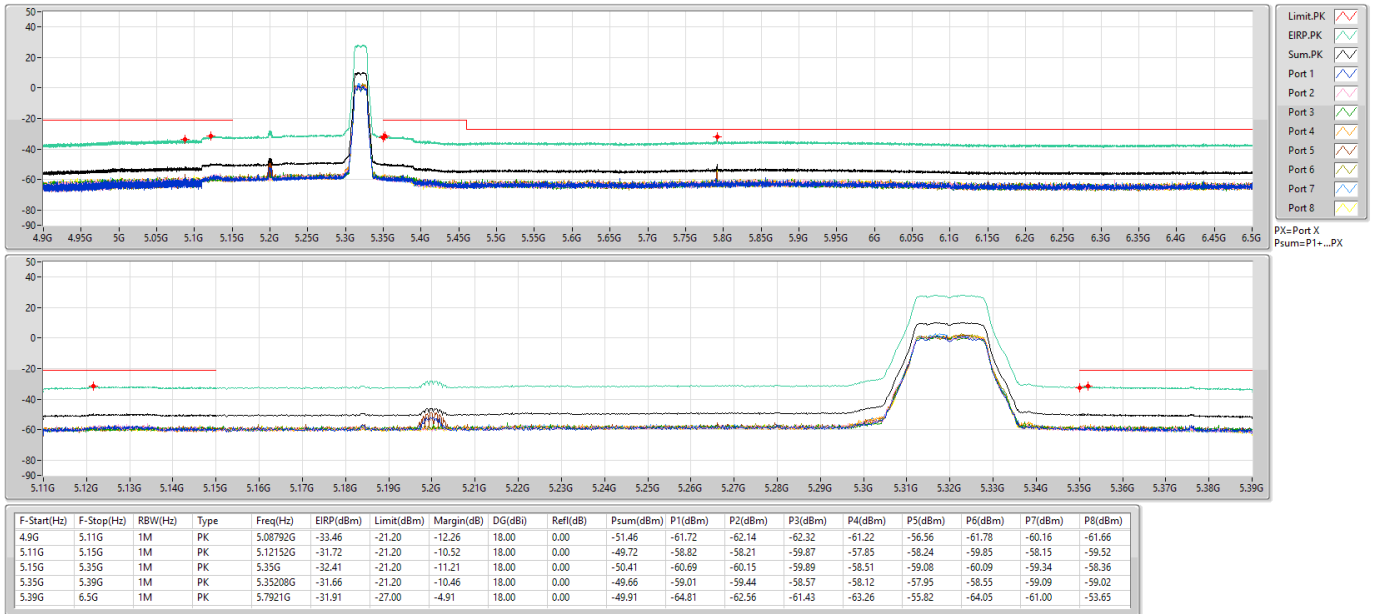


802.11a_Nss1,(6Mbps)_8TX

5320MHz

CSE [PK]

28/09/2021

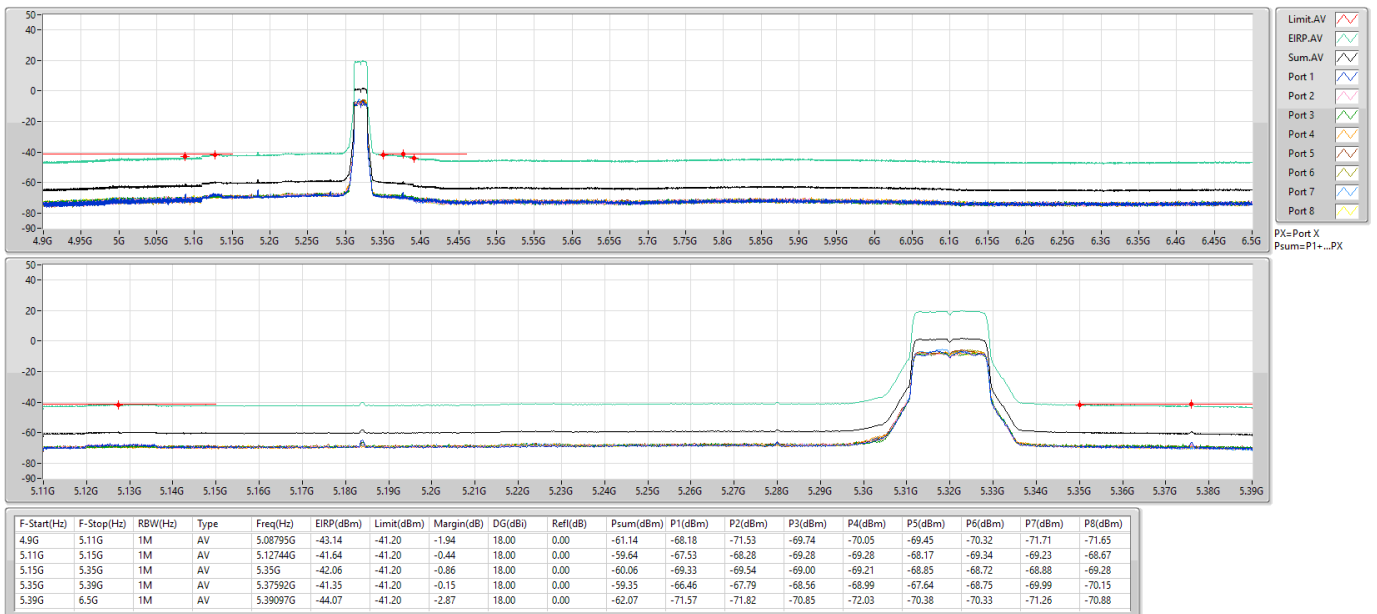


802.11a_Nss1,(6Mbps)_8TX

5320MHz

CSE [AV]

28/09/2021

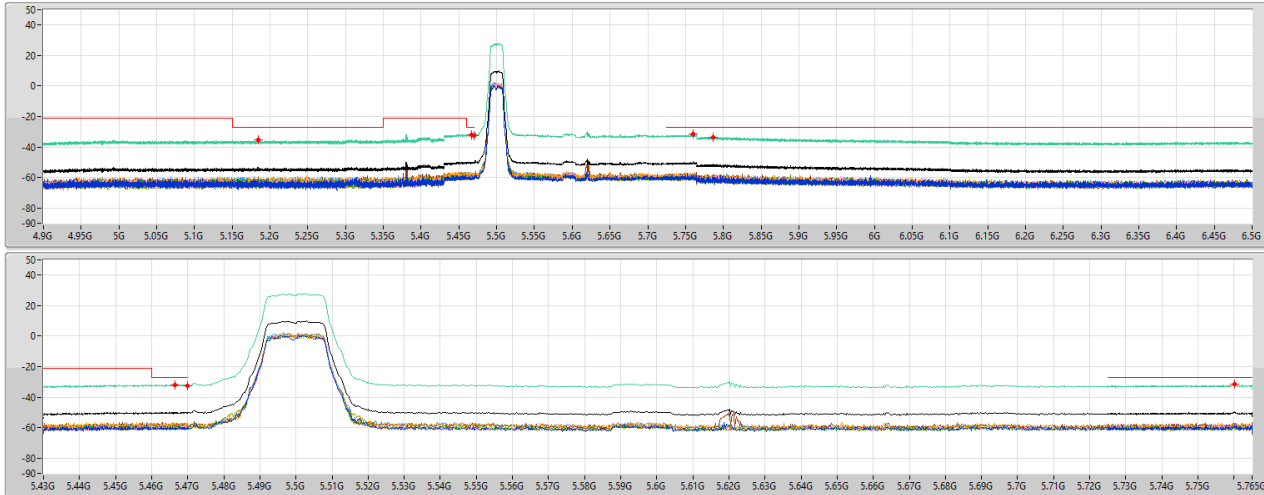


802.11a_Nss1,(6Mbps)_8TX

5500MHz

CSE [PK]

28/09/2021



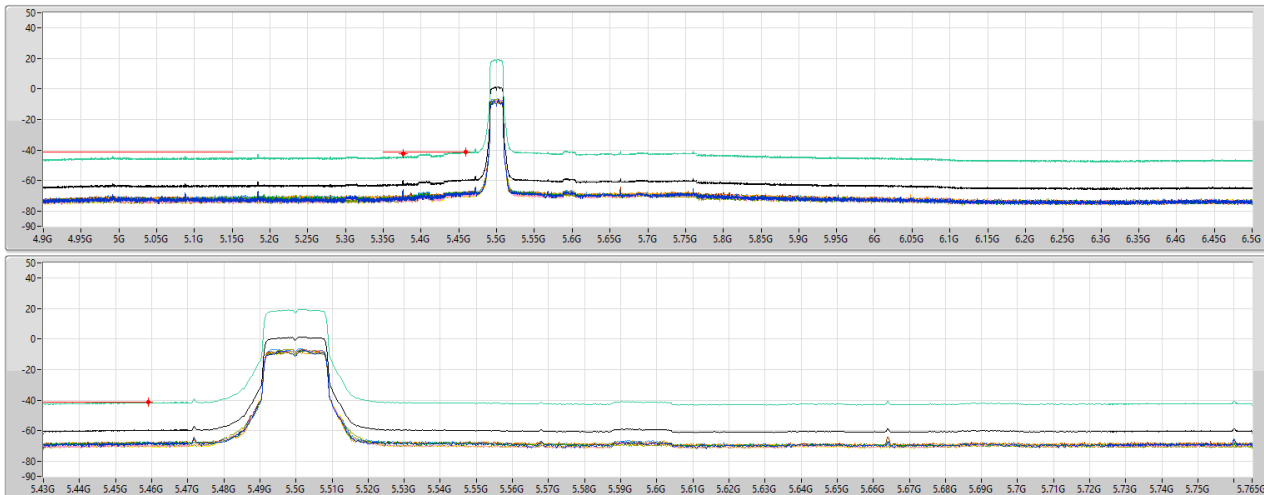
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
4.9G	5.43G	1M	PK	5.18415G	-35.20	-27.00	-8.20	18.00	0.00	-53.20	-63.23	-62.14	-63.34	-59.37	-64.22	-64.31	-61.17	-63.30
5.43G	5.47G	1M	PK	5.46656G	-31.92	-27.00	-4.92	18.00	0.00	-49.92	-60.38	-60.40	-58.47	-57.62	-57.52	-60.04	-57.67	-61.28
5.47G	5.725G	1M	PK	5.47G	-32.42	-27.00	-5.42	18.00	0.00	-50.42	-60.78	-61.20	-59.99	-57.73	-58.92	-60.06	-57.52	-61.22
5.725G	5.765G	1M	PK	5.76012G	-31.60	-27.00	-4.60	18.00	0.00	-49.60	-58.39	-57.47	-58.72	-57.35	-58.24	-60.59	-59.37	-59.93
5.765G	6.5G	1M	PK	5.78705G	-33.41	-27.00	-6.41	18.00	0.00	-51.41	-60.01	-61.02	-62.60	-59.18	-58.36	-61.88	-60.71	-61.43

802.11a_Nss1,(6Mbps)_8TX

5500MHz

CSE [AV]

28/09/2021



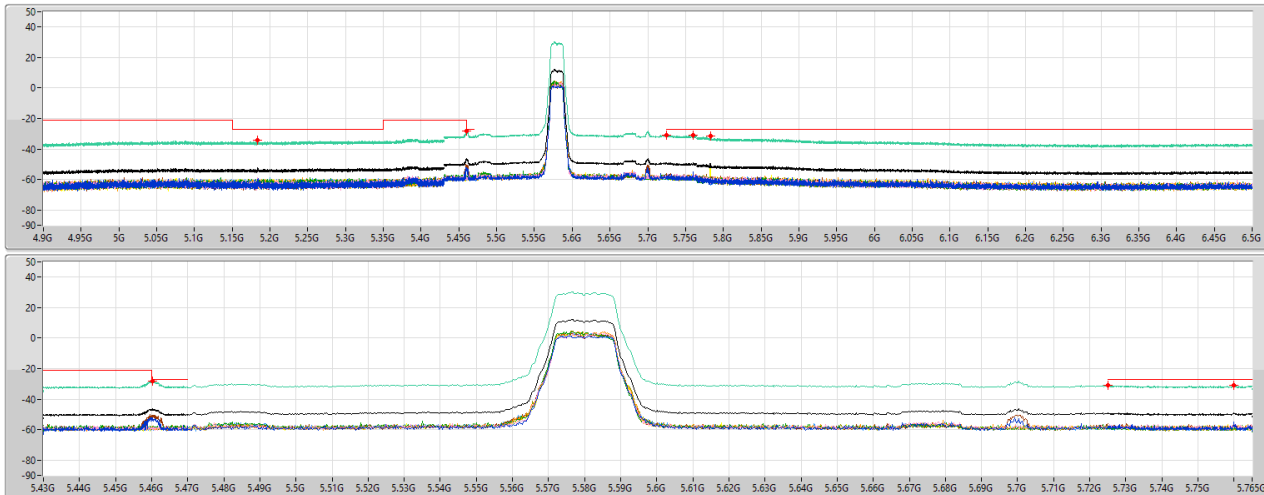
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4.9G	5.43G	1M	AV	5.37801G	-42.16	-41.20	-0.96	18.00	0.00	-60.16	-66.43	-68.58	-69.61	-67.94	-68.70	-72.78	-70.58	-72.76
5.43G	5.47G	1M	AV	5.45904G	-41.57	-41.20	-0.37	18.00	0.00	-59.57	-67.75	-69.63	-67.91	-68.05	-67.55	-69.81	-68.30	-70.58

802.11a_Nss1,(6Mbps)_8TX

5580MHz

CSE [PK]

28/09/2021



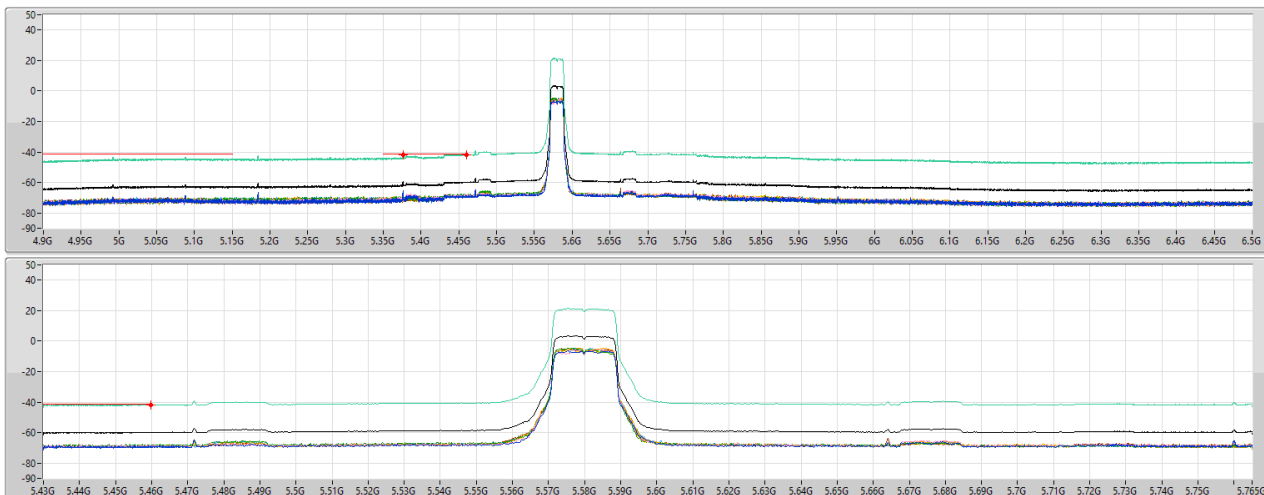
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
4.9G	5.43G	1M	PK	5.18382G	-34.33	-27.00	-7.33	18.00	0.00	-52.33	-61.83	-59.04	-60.98	-62.51	-60.92	-63.18	-62.70	-61.19
5.43G	5.47G	1M	PK	5.46024G	-28.37	-27.00	-1.37	18.00	0.00	-46.37	-52.05	-59.77	-58.74	-57.98	-50.37	-58.12	-59.97	-59.55
5.47G	5.725G	1M	PK	5.725G	-31.10	-27.00	-4.10	18.00	0.00	-49.10	-58.92	-58.46	-59.18	-58.04	-56.24	-58.72	-59.55	-57.04
5.725G	5.765G	1M	PK	5.75996G	-30.78	-27.00	-3.78	18.00	0.00	-48.78	-55.05	-58.24	-58.27	-58.42	-56.79	-59.98	-59.30	-58.52
5.765G	6.5G	1M	PK	5.78282G	-31.46	-27.00	-4.46	18.00	0.00	-49.46	-61.60	-62.15	-60.38	-60.65	-61.71	-60.18	-61.20	-52.33

802.11a_Nss1,(6Mbps)_8TX

5580MHz

CSE [AV]

28/09/2021



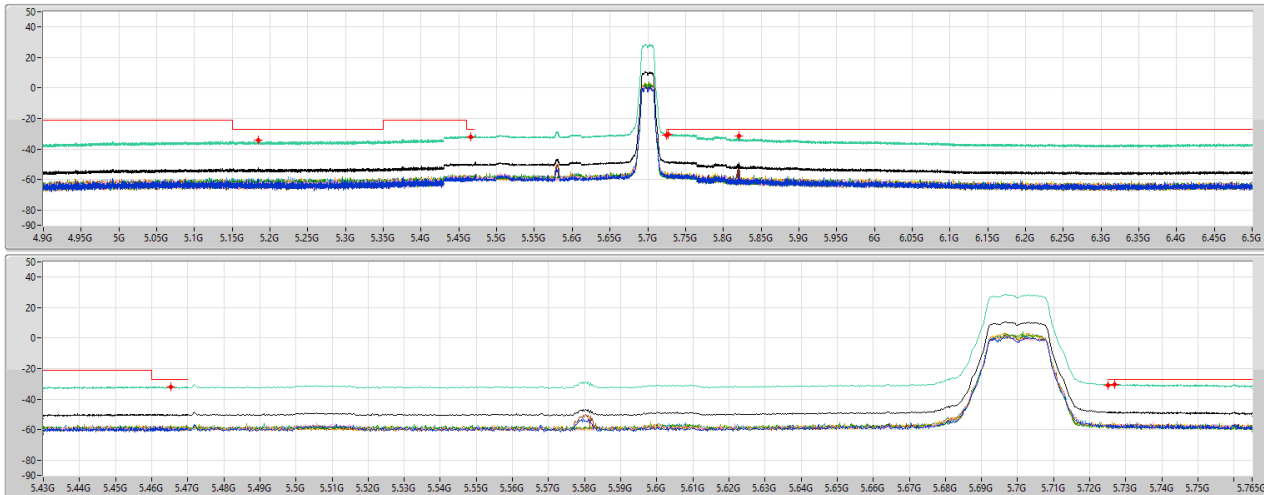
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4.9G	5.43G	1M	AV	5.37594G	-41.65	-41.20	-0.45	18.00	0.00	-59.65	-66.91	-67.24	-69.75	-67.46	-68.20	-71.82	-70.88	-69.68
5.43G	5.47G	1M	AV	5.45988G	-41.68	-41.20	-0.48	18.00	0.00	-59.68	-68.69	-68.93	-68.29	-68.28	-69.22	-68.74	-68.95	-68.70

802.11a_Nss1,(6Mbps)_8TX

5700MHz

CSE [PK]

28/09/2021



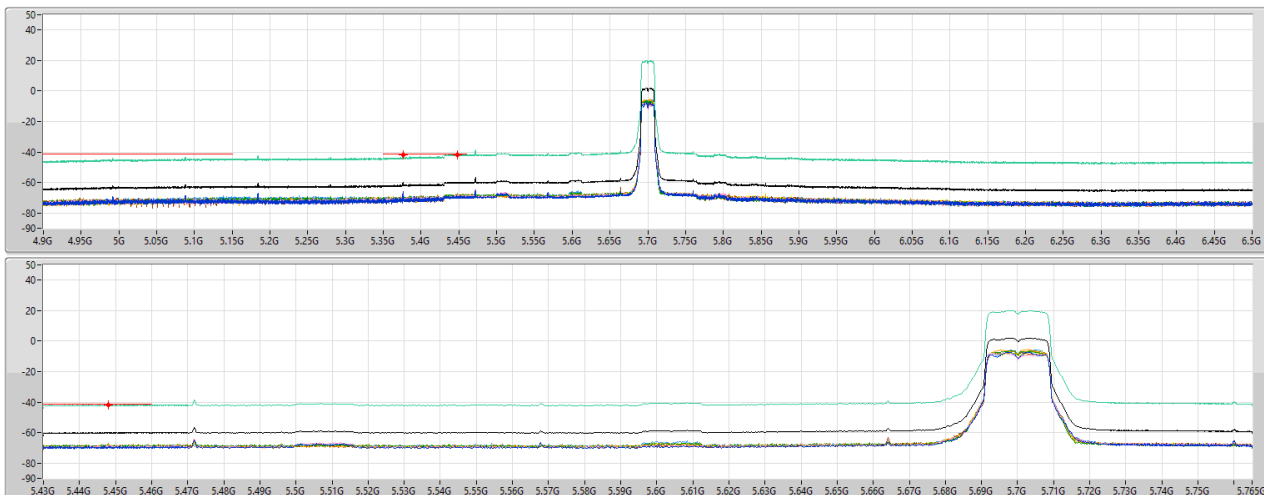
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
4.9G	5.43G	1M	PK	5.18408G	-34.29	-27.00	-7.29	18.00	0.00	-52.29	-60.29	-60.34	-60.27	-60.14	-63.14	-64.97	-62.37	-61.22
5.43G	5.47G	1M	PK	5.46538G	-31.98	-27.00	-4.98	18.00	0.00	-49.98	-60.57	-59.75	-59.32	-60.02	-58.11	-57.20	-58.70	-59.43
5.47G	5.725G	1M	PK	5.725G	-30.72	-27.00	-3.72	18.00	0.00	-48.72	-57.45	-57.05	-57.87	-57.92	-58.15	-57.86	-57.60	-58.23
5.725G	5.765G	1M	PK	5.72694G	-30.20	-27.00	-3.20	18.00	0.00	-48.20	-58.00	-56.44	-58.05	-57.41	-56.40	-57.86	-56.31	-57.84
5.765G	6.5G	1M	PK	5.82022G	-31.25	-27.00	-4.25	18.00	0.00	-49.25	-61.28	-60.52	-61.89	-62.21	-51.83	-60.33	-61.89	-60.55

802.11a_Nss1,(6Mbps)_8TX

5700MHz

CSE [AV]

28/09/2021



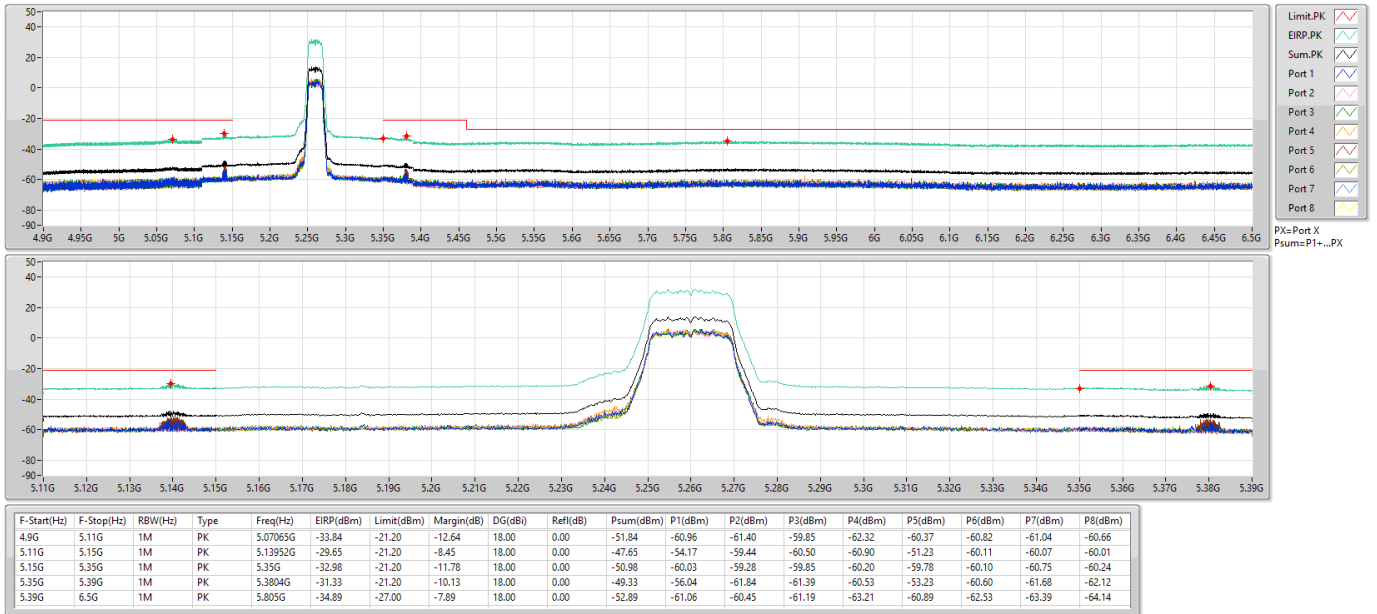
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
4.9G	5.43G	1M	AV	5.37621G	-41.72	-41.20	-0.52	18.00	0.00	-59.72	-66.83	-67.28	-69.62	-67.93	-69.87	-69.54	-69.67	-70.93
5.43G	5.47G	1M	AV	5.44792G	-41.78	-41.20	-0.58	18.00	0.00	-59.78	-69.80	-68.68	-69.44	-68.86	-68.98	-67.18	-68.95	-69.07

802.11ax HEW20_Nss1,(MCS0)_8TX

5260MHz

CSE [PK]

28/09/2021



802.11ax HEW20_Nss1,(MCS0)_8TX

5260MHz

CSE [AV]

28/09/2021

