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TEST REPORT

SCOPE OF WORK:
47 CFR FCC Part 15.407 – Radio Spectrum report

Model:
FBP205

REPORT NUMBER
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Radio Spectrum
TEST REPORT

Applicant:	**Dynascan Technology Corp.** **6F., No. 88, Wenmao Rd., Leshan Vil., Guishan Dist., Taoyuan City 333001, Taiwan**
Product:	**Digital Transmission Systems**
Model No.:	**FBP205**
FCC ID:	**2AKWYFBP205**
Test Method/ Standard:	**47 CFR FCC Part 15.407** **KDB 789033 D02 v02r01** **ANSI C63.10 2013** **KDB 662911 D01 v02r01**
Test By:	**Intertek Testing Services Taiwan Ltd.,** **Hsinchu Laboratory** **No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li,** **Shiang-Shan District, Hsinchu City, Taiwan**

Testing Laboratory
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Engineer

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Reviewer

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Revision History

Report No.	Issue Date	Revision Summary
220400323THC-001	Jun. 08, 2022	Original report

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Summary of Test Data

Test Requirement	Applicable Rule (Section 15.407)	Result
Maximum Conducted Output Power	15.407 (a)(1)/(2)/(3) KDB 789033 D02 v01r02	Pass
Power Spectrum Density	15.407 (a)(1)/(2)/(3) KDB 789033 D02 v01r02	Pass
Minimum Emission Bandwidth	15.407(a)(5), 15.407(e) KDB 789033 D02 v01r02	Pass
Emissions In Restricted Frequency Bands (Radiated emission measurements)	15.407(b), 15.209	Pass
Emission on The Band Edge	15.407(b), 15.209	Pass
AC Line Conducted Emission	15.407(b)(6) 15.207	Pass
Antenna requirement	15.203	Pass

Note: Please note that the test results with statement of conformity, the decision rules which are based on: Safety Testing: the specification, standard or IEC Guide 115.
Other Testing: the specification, standard and not taking into account the measurement uncertainty.

1. General Information

1.1 Identification of the EUT

Product:	Digital Transmission System
Model No.:	FBP205
Operating Frequency:	1. 5180MHz~5240MHz 2. 5745MHz~5825MHz
Channel Number:	1. 7 channels for 5180MHz ~ 5240MHz 2. 8 channels for 5745MHz ~ 5825MHz
Access scheme:	OFDM
Rated Power:	DC 3.3V
Power Cord:	N/A
Sample receiving date:	2022/04/07
Sample condition:	Workable
Test Date(s):	2022/05/04 ~ 2022/05/31

1.2 Description of the EUT

Modulation mode	Transmit path	
	Chain 0	Chain 1
802.11 a	V	V
802.11 ac (VHT20)	V	V
802.11 ac (VHT40)	V	V
802.11 ac (VHT80)	V	V

Item	Product name	Model No.	Rated Power
Host 1	Display	67401	100-240V~ 50-60Hz 2A
Host 2	Display	67301	100-240V~ 50-60Hz 3A

1.3 Antenna description

For antenna 0 (Chain 0)

Antenna Gain : -2.31 dBi
Antenna Type : PIFA antenna
Connector Type : I-pex

For antenna 1 (Chain 1)

Antenna Gain : -2.31 dBi
Antenna Type : PIFA antenna
Connector Type : I-pex

1.4 Operation mode

Power on, executing “WLAN Test Tool V2.3.0” to select different frequency and modulation.

With individual verifying, the maximum output power were found out 6 Mbps data rate for 802.11a mode, 6.5 Mbps data rate for 802.11ac(VHT20) mode , 13.5 Mbps data rate for 802.11ac(VHT40) mode , 29.3 Mbps data rate for 802.11ac(VHT80) mode , the final tests were executed under these conditions recorded in this report individually.

Mode	Data rate (Mbps)	Signal on time (ms)	signal on+off time (ms)	Duty cycle (%)	Duty Cycle factor
802.11a	6	1.995	2.525	79.01	1.023
802.11ac (VHT20)	6.5	1.880	2.400	78.33	1.061
802.11ac (VHT40)	13.5	0.890	1.440	61.81	2.090
802.11ac (VHT80)	29.3	0.414	0.956	43.31	3.635

1.5 Peripherals equipment

Peripherals	Brand	Model No.	Description of Data Cable
Notebook PC	HP	HSTNN-Q96C	Shielded HDMI cable 1.5m x 2
Earphone	i Coby	M80	Unshielded audio 3.5mm cable 2m x 1
USB flash drive	Kingston	DTSE9G2/8GB	N/A
USB flash drive	Kingston	DTSE9G2/8GB	N/A
Wireless AP	BUFFALO	WZR-AGL300NH	N/A

2. Maximum Conducted Output Power

2.1 Limit for maximum output power

Operating Frequency (MHz)	Conducted output power limit
5150~5725	< 0.25 W (24 dBm)
5725~5850	< 1 W (30 dBm)

Operating Frequency (MHz)	Maximum E.I.R.P. limit
5150~5725	< 1 W (30 dBm)
5725~5850	< 4 W (36 dBm)

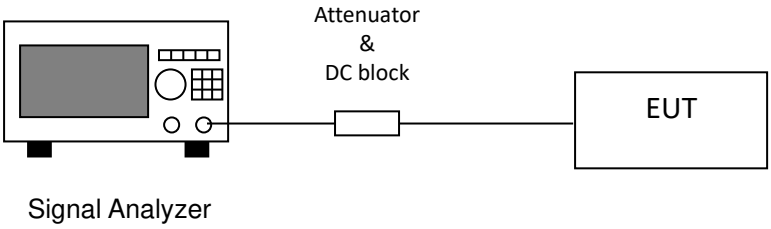
2.2 Measuring instrument setting

Spectrum Analyzer function	Setting
RBW	=1 MHz
VBW	≧3 MHz
Sweep time	Auto couple
Detector	RMS
Trace	Average
Span	Encompass the EBW
Attenuation	Auto
Sweep point	≥ 2 Span / RBW

2.3 Test procedure

Test procedures refer to clause E) 2) d) Method SA-2 of KDB 789033 D02 v01r02

2.4 Test diagram



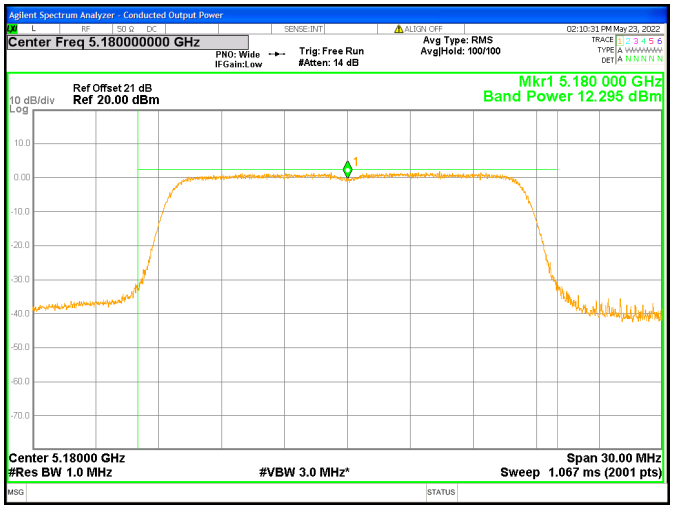
2.5 Test results

Temperature (℃) :	24
Relative Humidity (%) :	63
Test date :	2022/05/23
Host 1 :	67401

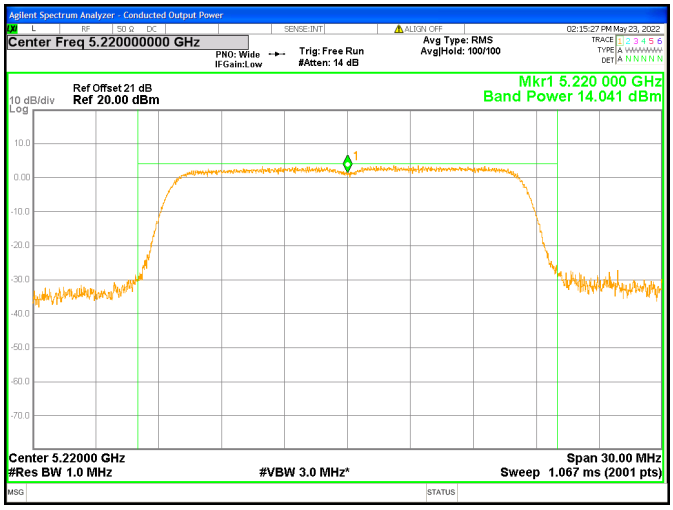
Mode	Ch	Freq (MHz)	Output Power (AV)		Total Power (AV)		Duty Factor	Result dBm	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)	E.I.R.P. (dBm)	Limit of Conducted Power (dBm)	Margin (dB)	Limit of E.I.R.P. (dBm)	Margin (dB)
			Chain 0	Chain 1											
			dBm	dBm	mW	dBm									
802.11a Chain0+1	36	5180	12.30	12.54	34.92	15.43	1.02	16.45	-2.31	-2.31	14.14	24	-7.55	30	-15.86
	44	5220	14.04	12.32	42.42	16.28	1.02	17.30	-2.31	-2.31	14.99	24	-6.70	30	-15.01
	48	5240	17.32	15.34	88.14	19.45	1.02	20.48	-2.31	-2.31	18.17	24	-3.52	30	-11.83
	149	5745	21.46	21.01	266.11	24.25	1.02	25.27	-2.31	-2.31	22.96	30	-4.73	36	-13.04
	157	5785	21.73	20.70	266.45	24.26	1.02	25.28	-2.31	-2.31	22.97	30	-4.72	36	-13.03
	165	5825	21.19	21.27	265.55	24.24	1.02	25.26	-2.31	-2.31	22.95	30	-4.74	36	-13.05
802.11ac (VHT20) Chain0+1	36	5180	9.92	8.89	17.57	12.45	1.06	13.51	-2.31	-2.31	11.20	24	-10.49	30	-18.80
	44	5220	11.36	11.38	27.41	14.38	1.06	15.44	-2.31	-2.31	13.13	24	-8.56	30	-16.87
	48	5240	16.88	16.21	90.57	19.57	1.06	20.63	-2.31	-2.31	18.32	24	-3.37	30	-11.68
	149	5745	21.48	20.81	261.20	24.17	1.06	25.23	-2.31	-2.31	22.92	30	-4.77	36	-13.08
	157	5785	21.40	21.01	264.00	24.22	1.06	25.28	-2.31	-2.31	22.97	30	-4.72	36	-13.03
	165	5825	20.91	20.90	246.42	23.92	1.06	24.98	-2.31	-2.31	22.67	30	-5.02	36	-13.33
802.11ac (VHT40) Chain0+1	38	5190	3.86	2.95	4.40	6.44	2.09	8.53	-2.31	-2.31	6.22	24	-15.47	30	-23.78
	46	5230	15.98	15.24	73.01	18.63	2.09	20.72	-2.31	-2.31	18.41	24	-3.28	30	-11.59
	151	5755	20.41	19.72	203.63	23.09	2.09	25.18	-2.31	-2.31	22.87	30	-4.82	36	-13.13
	159	5795	20.55	20.28	220.06	23.43	2.09	25.52	-2.31	-2.31	23.21	30	-4.48	36	-12.79
802.11ac (VHT80) Chain0+1	42	5210	5.46	4.15	6.12	7.87	3.63	11.50	-2.31	-2.31	9.19	24	-12.50	30	-20.81
	155	5775	18.73	18.49	145.25	21.62	3.63	25.26	-2.31	-2.31	22.95	30	-4.74	36	-13.05

Note: Result=Total Power+Duty Factor

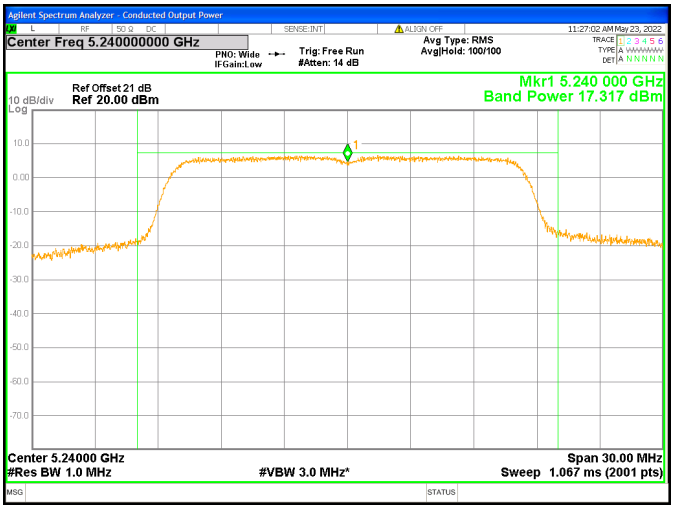
Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch36



Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch44



Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch48



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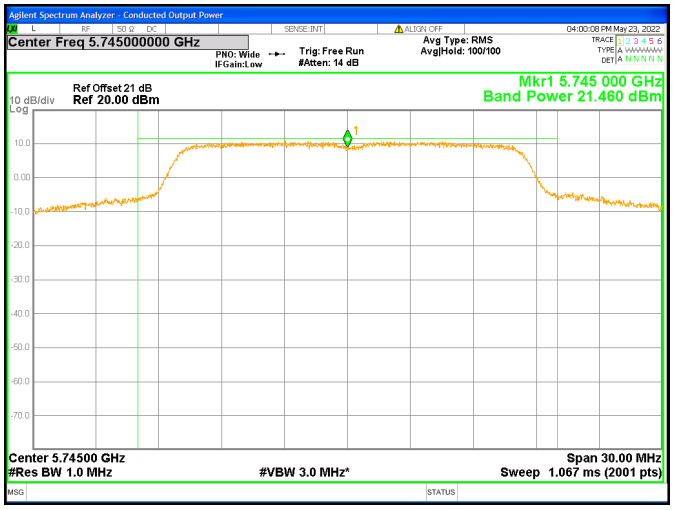

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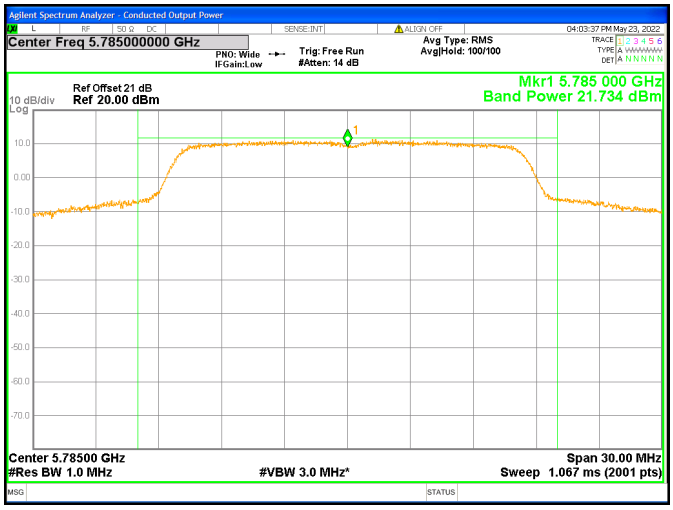

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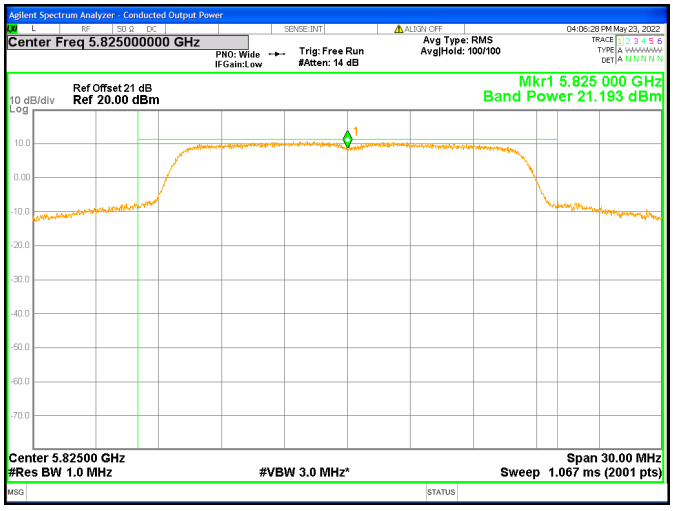

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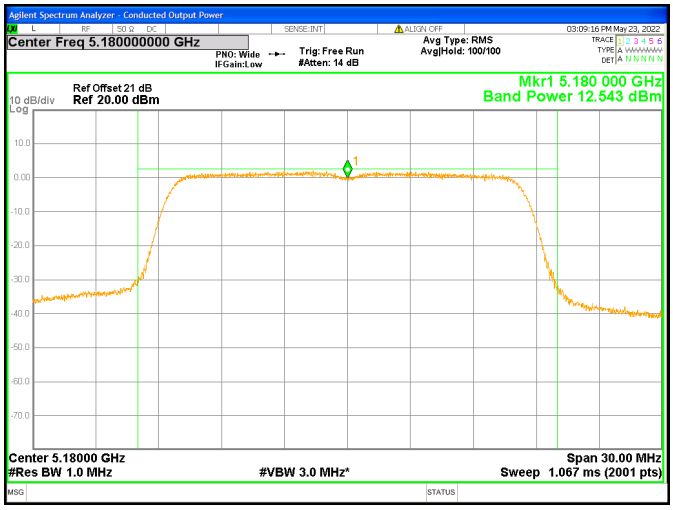

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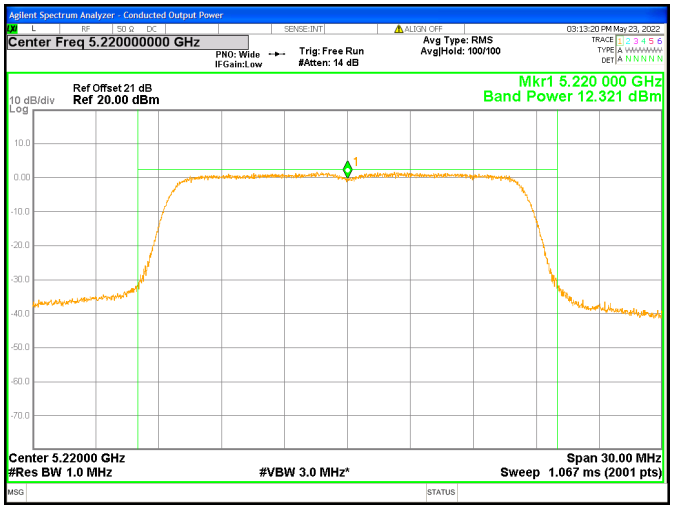

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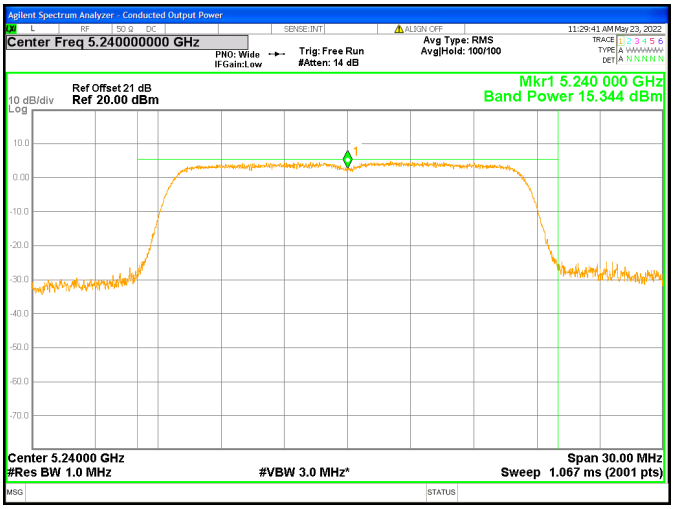

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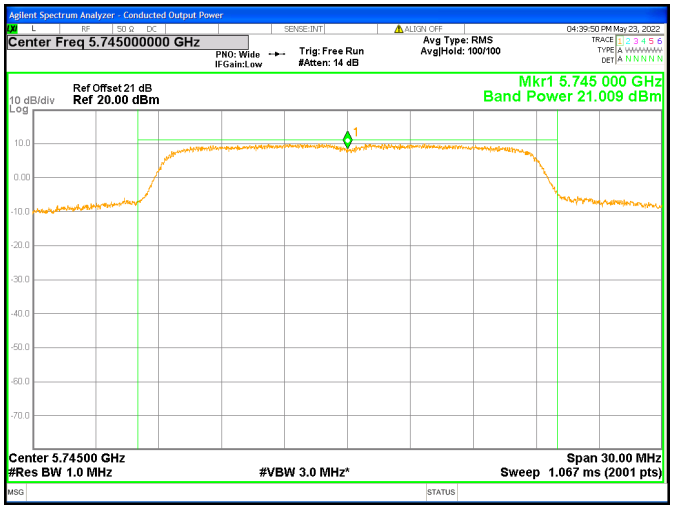

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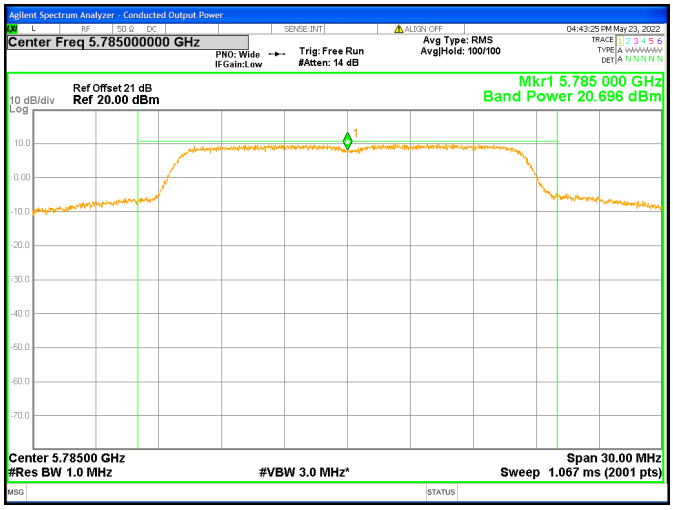

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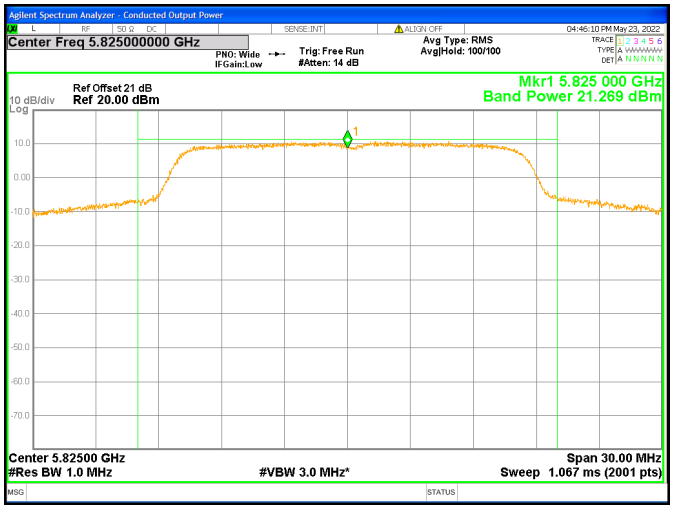
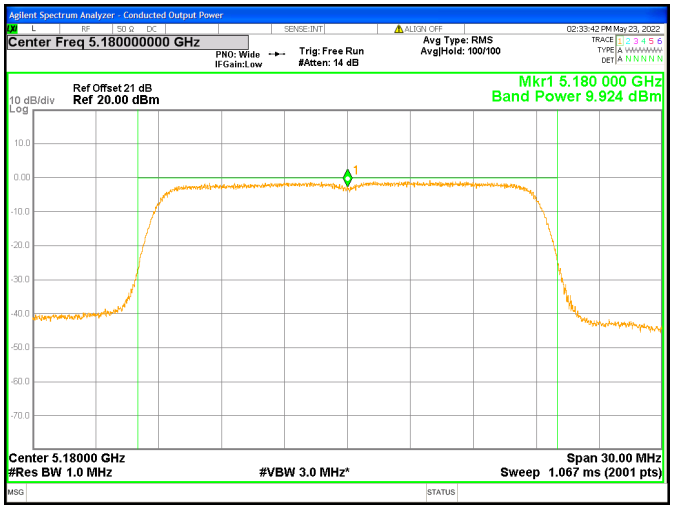


Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch36



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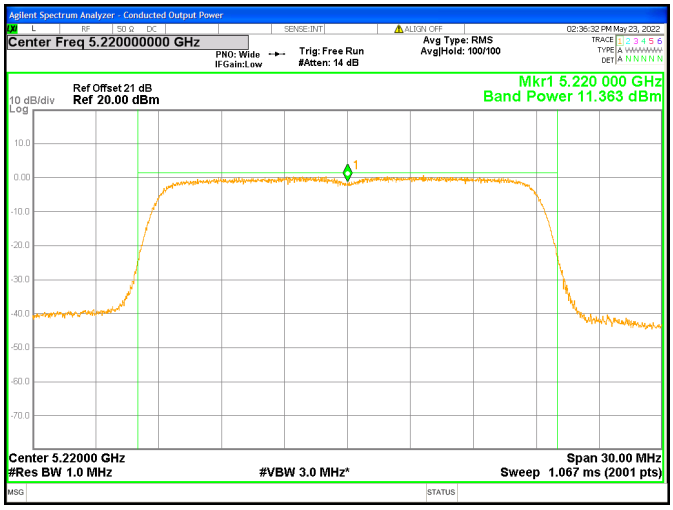

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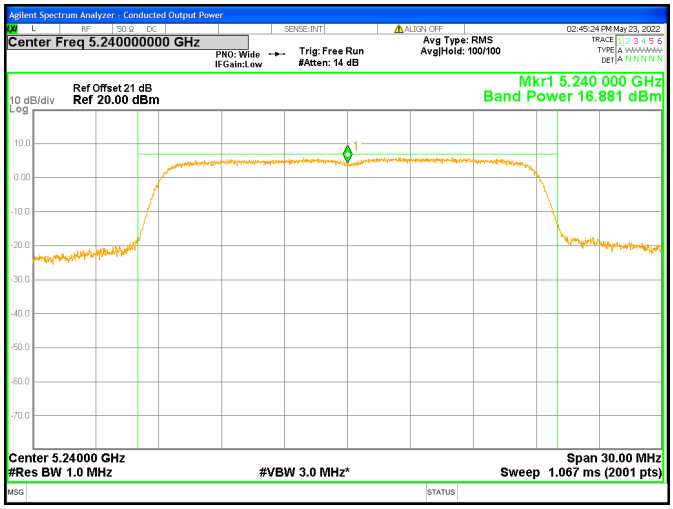

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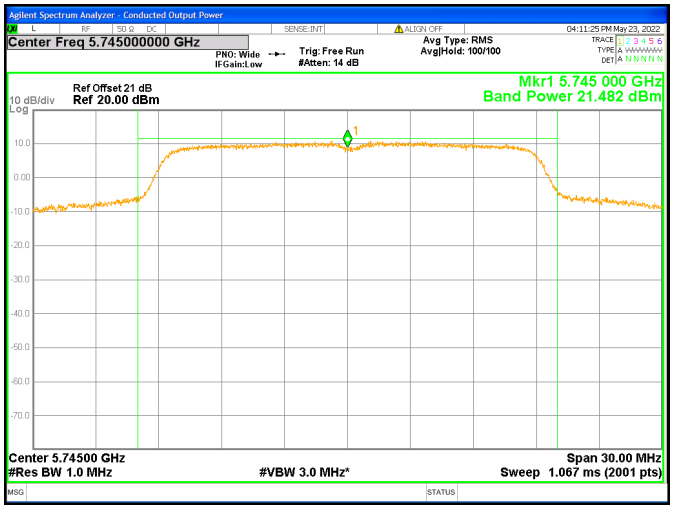

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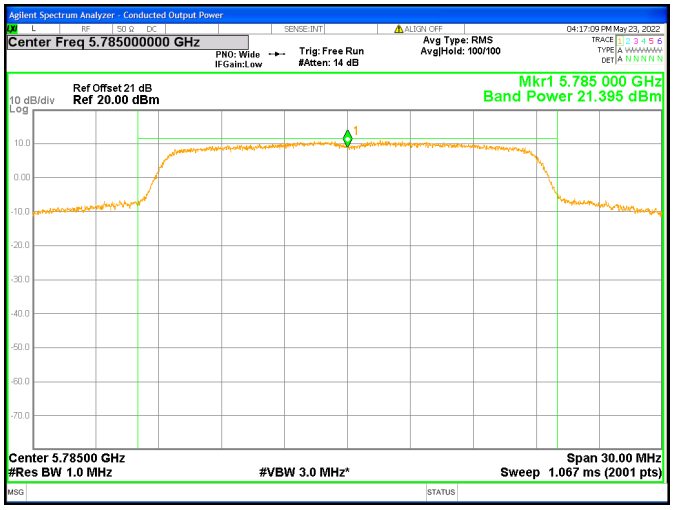

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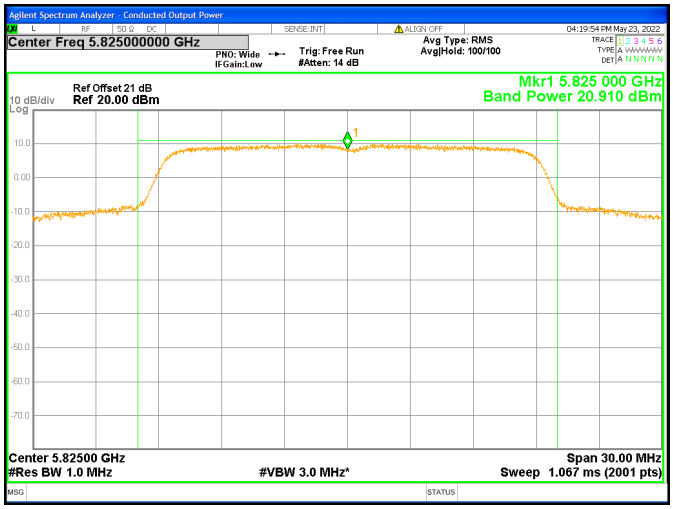
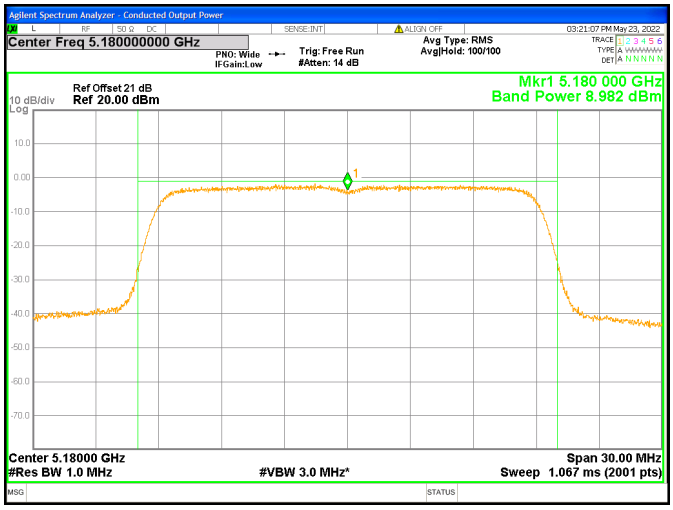


Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch36



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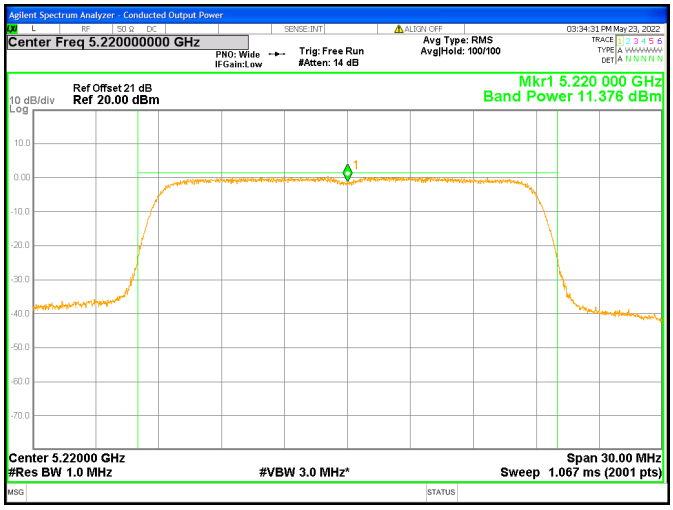
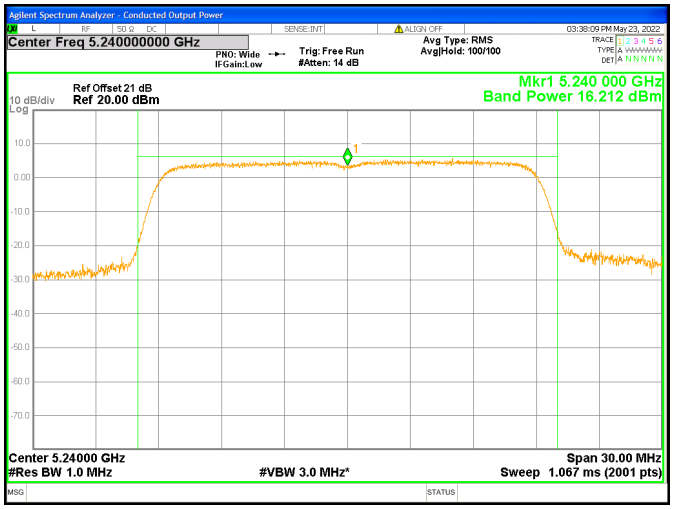


Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch48



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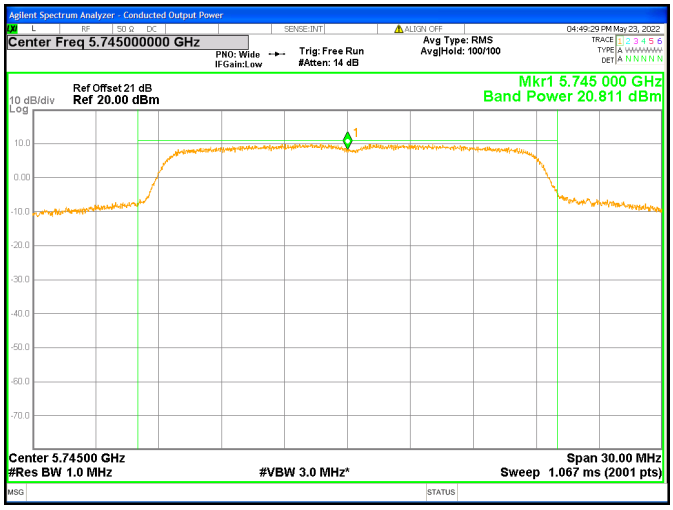

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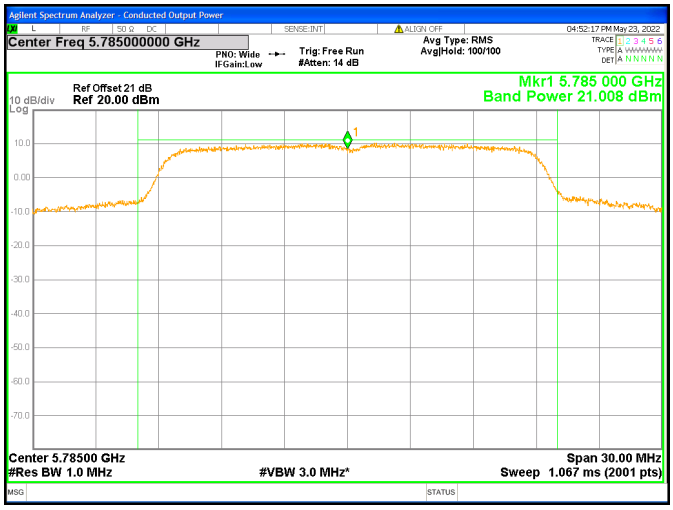

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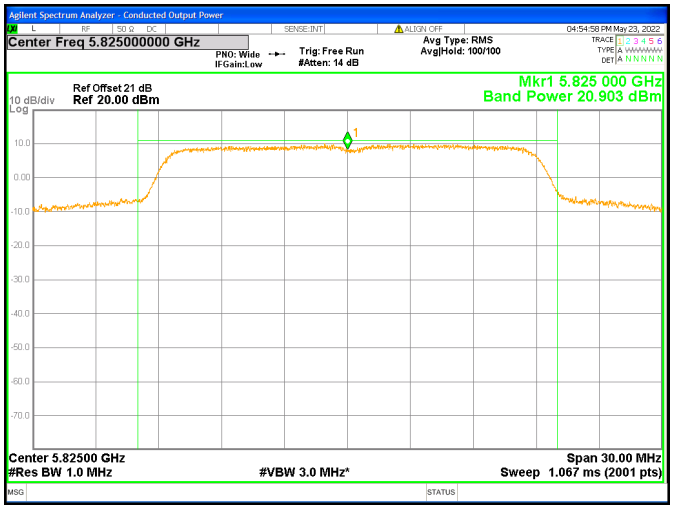

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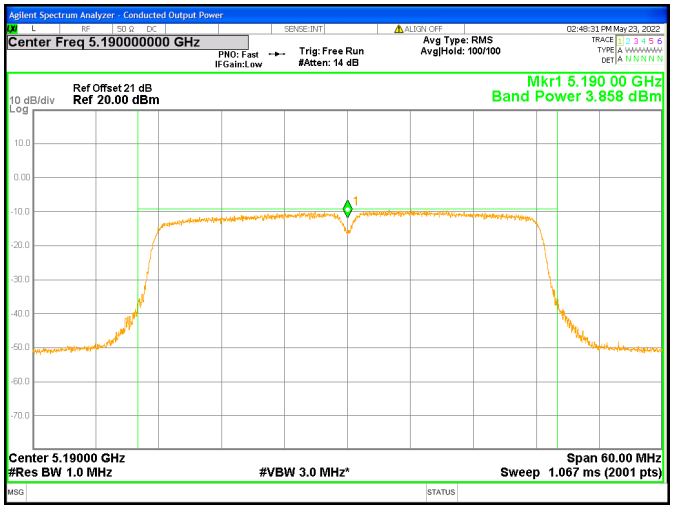

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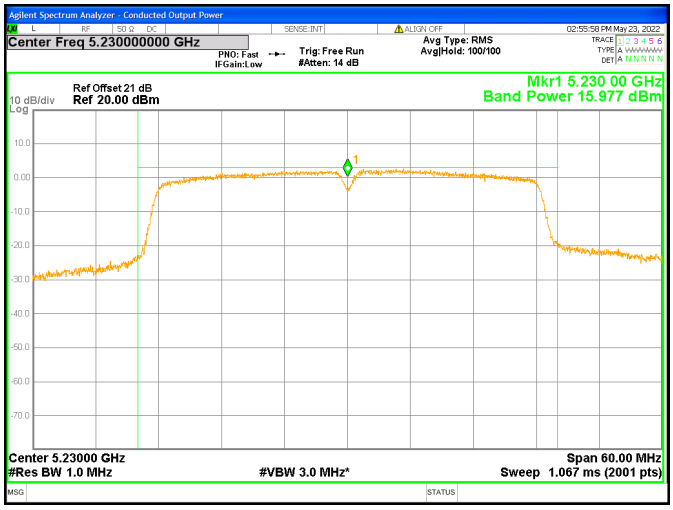
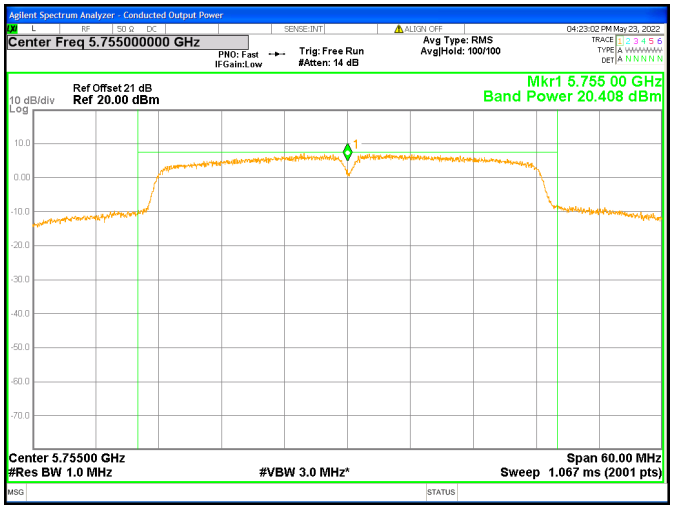
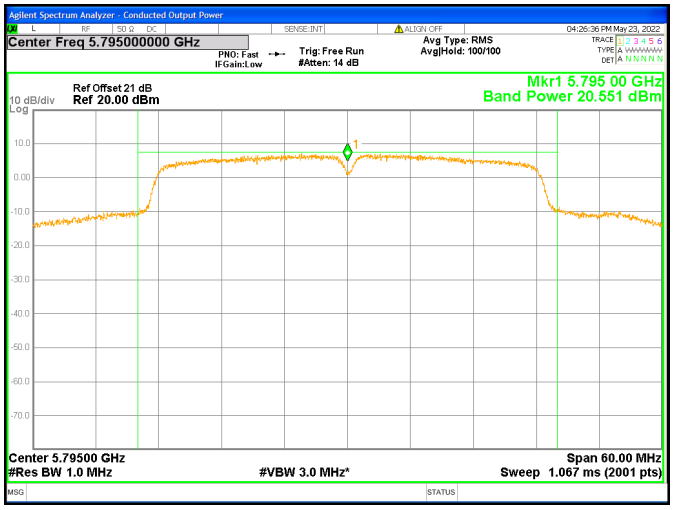


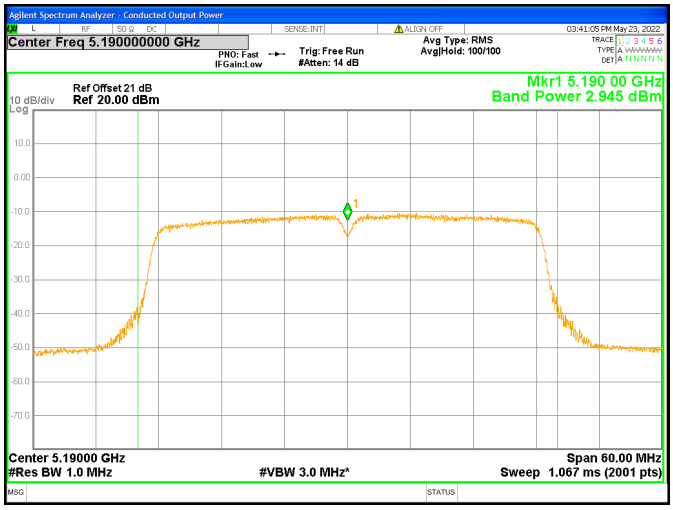
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch151



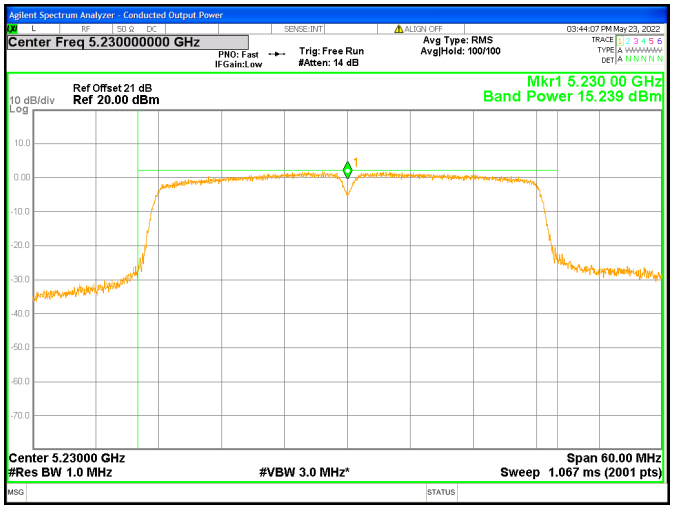
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch159



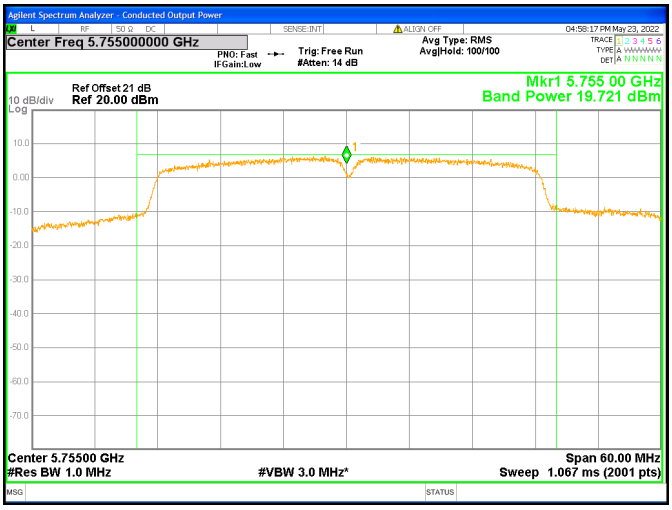
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch38



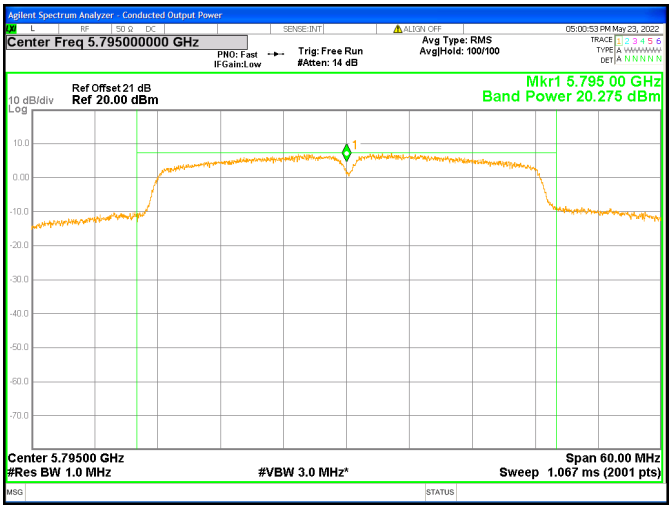
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch46



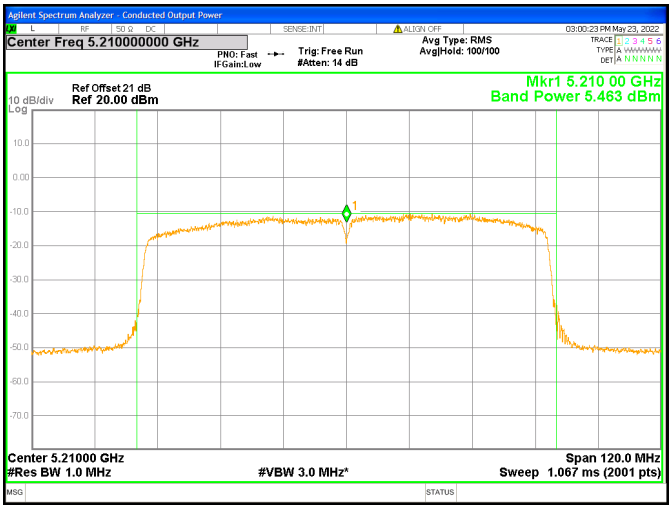
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch151



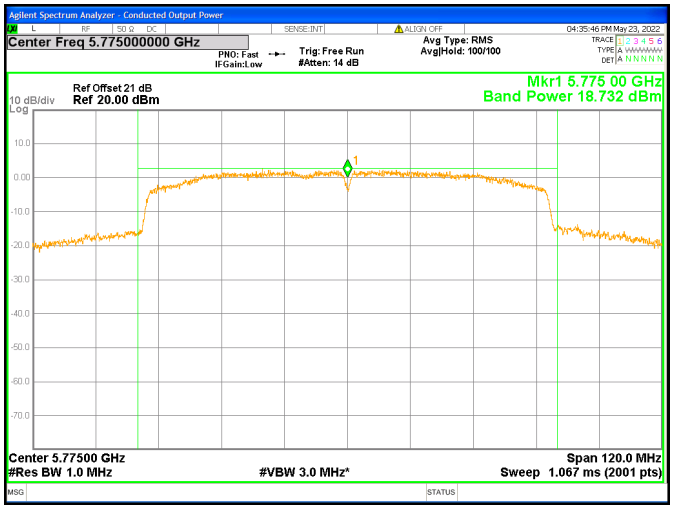
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch159



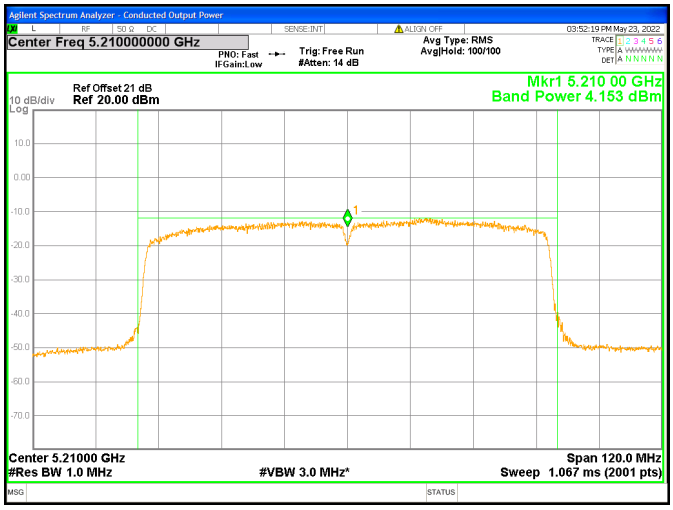
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch42



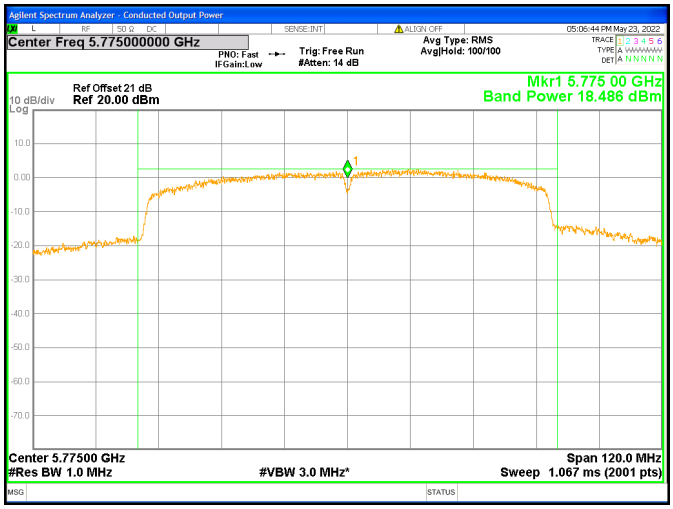
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch155



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch42



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch155

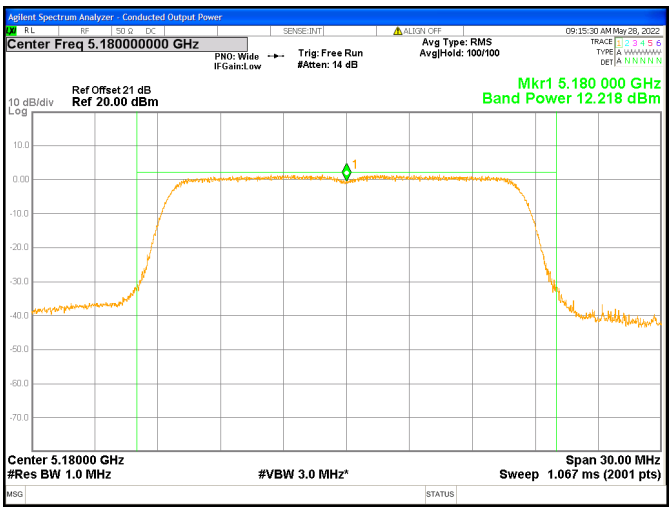


Temperature (℃) :	26
Relative Humidity (%) :	61
Test date :	2022/05/25
Host 2 :	67301

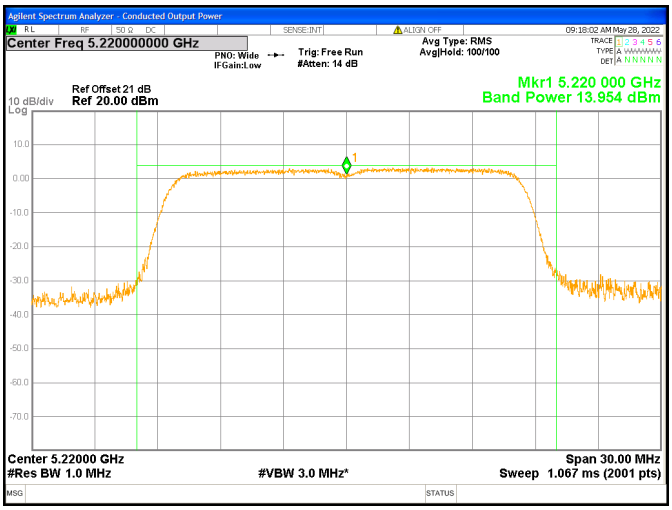
Mode	Ch	Freq (MHz)	Output Power (AV)		Total Power (AV)		Duty Factor	Result dBm	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)	E.I.R.P. (dBm)	Limit of Conducted Power (dBm)	Margin (dB)	Limit of E.I.R.P. (dBm)	Margin (dB)
			Chain 0	Chain 1											
			dBm	dBm	mW	dBm									
802.11a	36	5180	12.22	10.98	29.18	14.65	1.02	15.67	-2.31	-2.31	13.36	24	-8.33	30	-16.64
	44	5220	13.95	12.29	41.80	16.21	1.02	17.24	-2.31	-2.31	14.93	24	-6.76	30	-15.07
	48	5240	17.31	15.11	86.20	19.36	1.02	20.38	-2.31	-2.31	18.07	24	-3.62	30	-11.93
	149	5745	20.52	19.52	202.14	23.06	1.02	24.08	-2.31	-2.31	21.77	30	-5.92	36	-14.23
	157	5785	20.54	19.81	209.07	23.20	1.02	24.23	-2.31	-2.31	21.92	30	-5.77	36	-14.08
	165	5825	20.01	20.17	204.11	23.10	1.02	24.12	-2.31	-2.31	21.81	30	-5.88	36	-14.19
802.11ac (VHT20)	36	5180	9.83	8.86	17.30	12.38	1.06	13.44	-2.31	-2.31	11.13	24	-10.56	30	-18.87
	44	5220	11.32	10.07	23.72	13.75	1.06	14.81	-2.31	-2.31	12.50	24	-9.19	30	-17.50
	48	5240	16.75	15.08	79.53	19.01	1.06	20.07	-2.31	-2.31	17.76	24	-3.93	30	-12.24
	149	5745	19.91	20.12	200.91	23.03	1.06	24.09	-2.31	-2.31	21.78	30	-5.91	36	-14.22
	157	5785	20.20	19.90	202.39	23.06	1.06	24.12	-2.31	-2.31	21.81	30	-5.88	36	-14.19
	165	5825	20.37	19.49	197.76	22.96	1.06	24.02	-2.31	-2.31	21.71	30	-5.98	36	-14.29
802.11ac (VHT40)	38	5190	3.83	2.74	4.30	6.33	2.09	8.42	-2.31	-2.31	6.11	24	-15.58	30	-23.89
	46	5230	15.72	14.09	63.00	17.99	2.09	20.08	-2.31	-2.31	17.77	24	-3.92	30	-12.23
	151	5755	19.07	19.09	161.65	22.09	2.09	24.18	-2.31	-2.31	21.87	30	-5.82	36	-14.13
	159	5795	19.10	18.87	158.36	22.00	2.09	24.09	-2.31	-2.31	21.78	30	-5.91	36	-14.22
802.11ac (VHT80)	42	5210	4.99	4.06	5.70	7.56	3.63	11.19	-2.31	-2.31	8.88	24	-12.81	30	-21.12
	155	5775	18.69	18.23	140.48	21.48	3.63	25.11	-2.31	-2.31	22.80	30	-4.89	36	-13.20

Note: Result=Total Power+Duty Factor

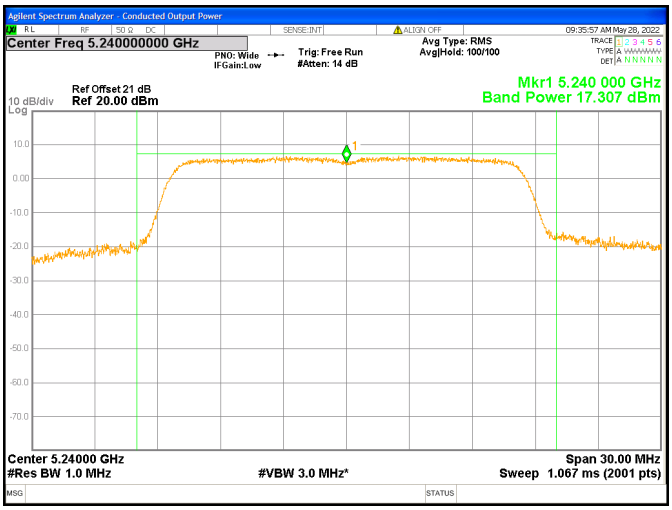
Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch36



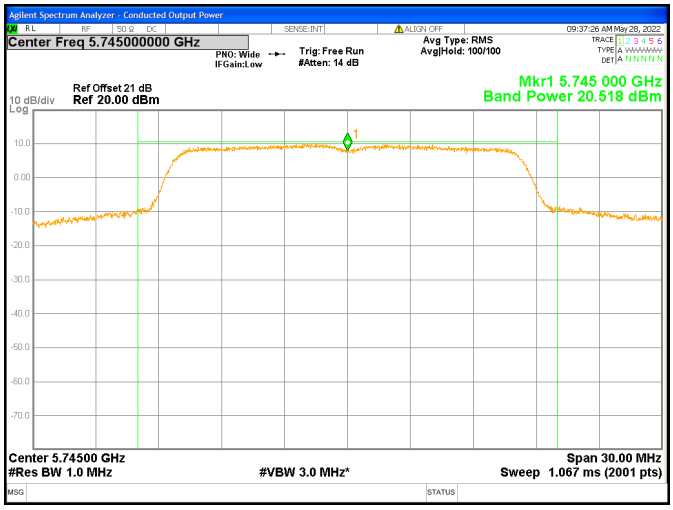
Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch44



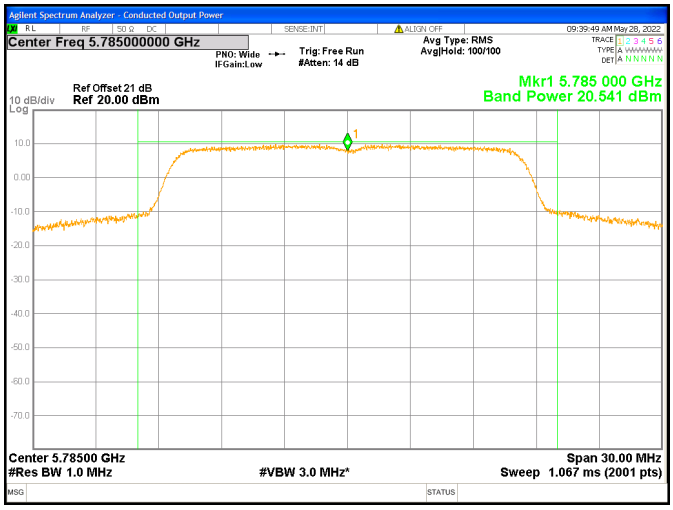
Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch48



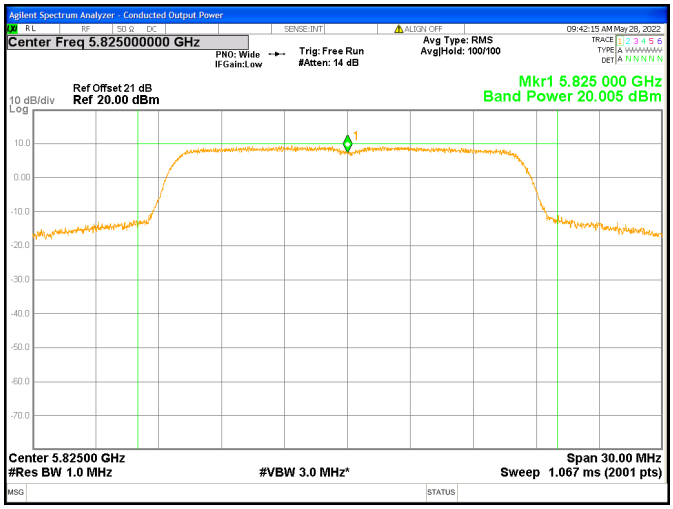
Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch149



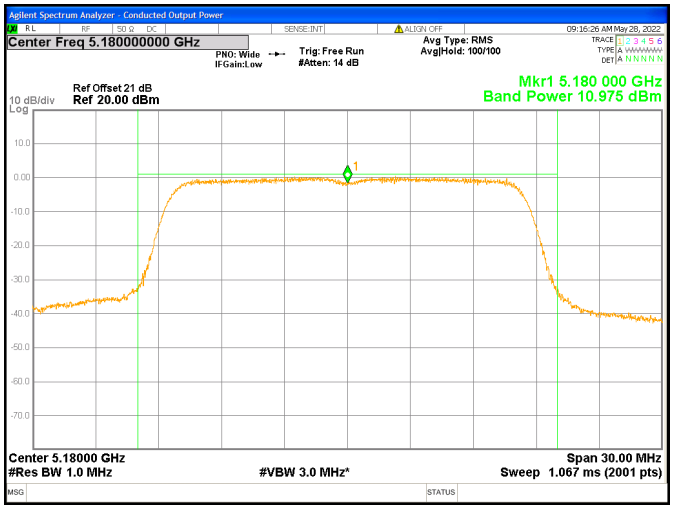
Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch157



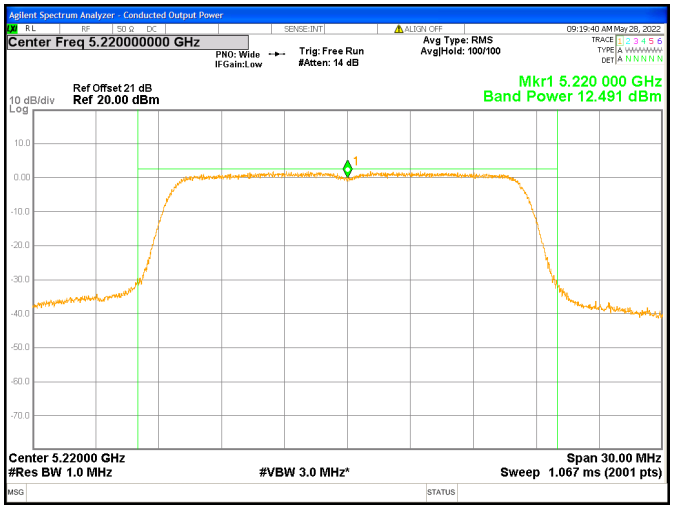
Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch165



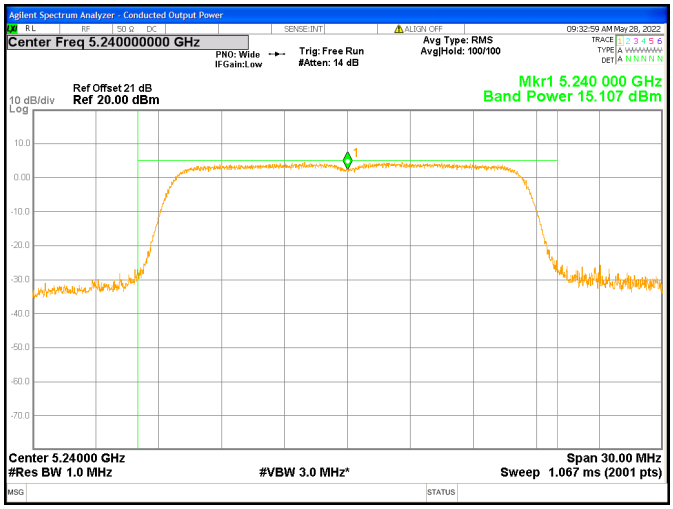
Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch36



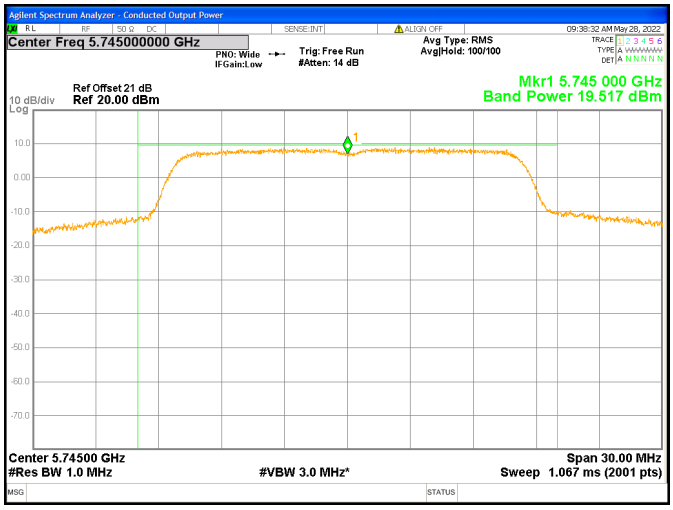
Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch44



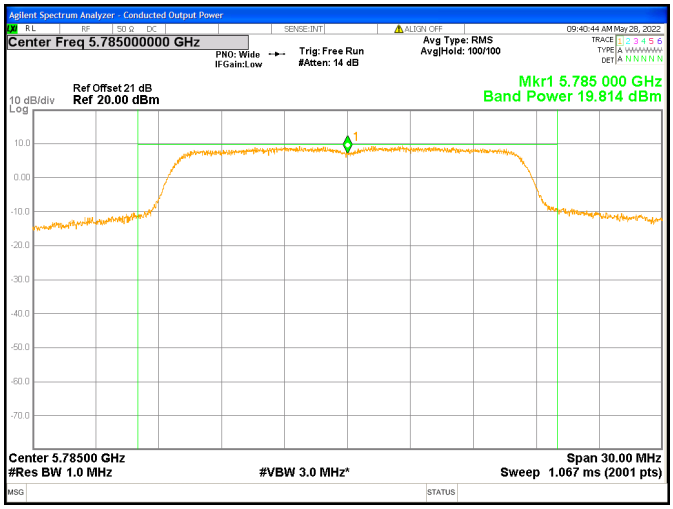
Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch48



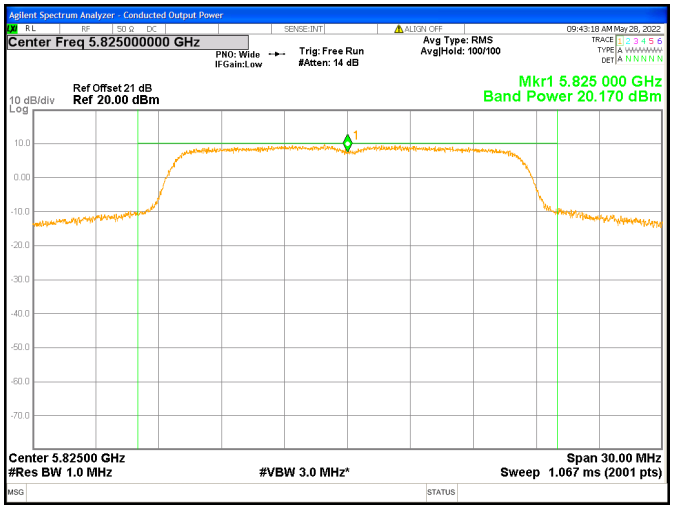
Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch149



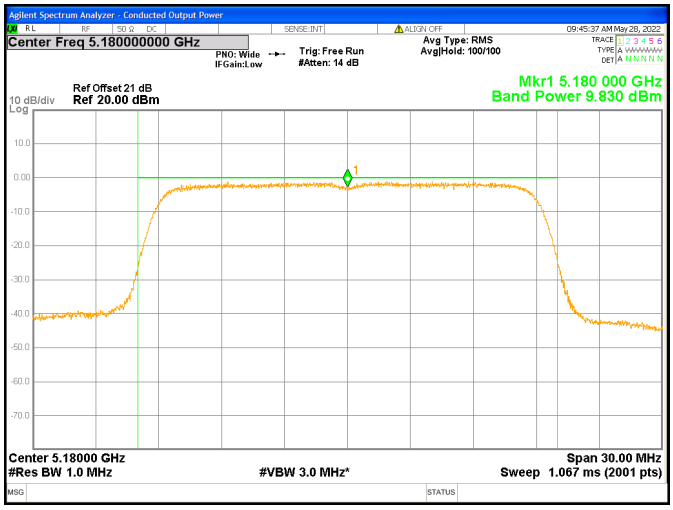
Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch157



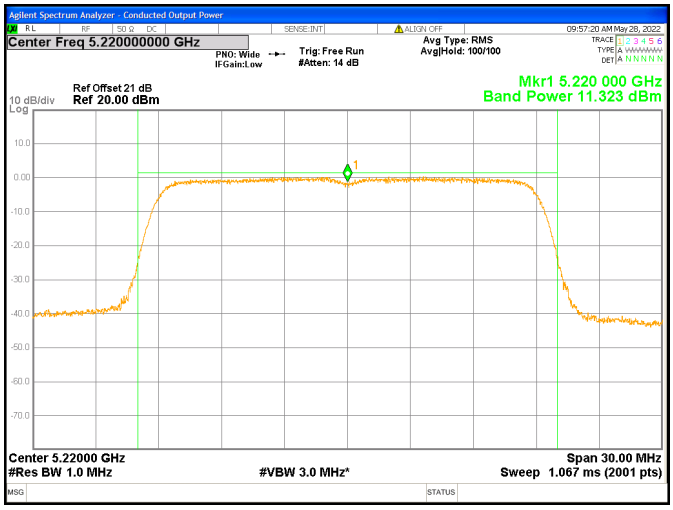
Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch165



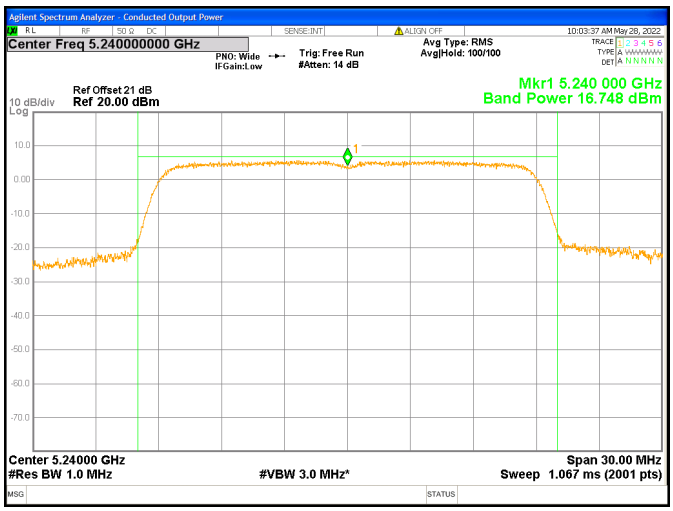
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch36



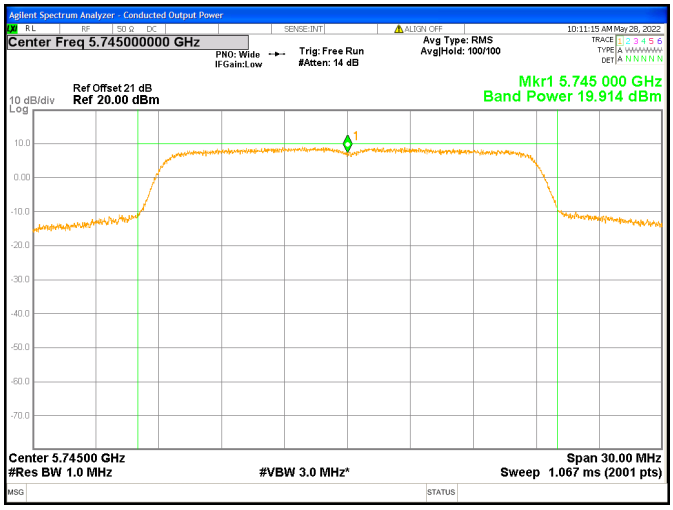
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch44



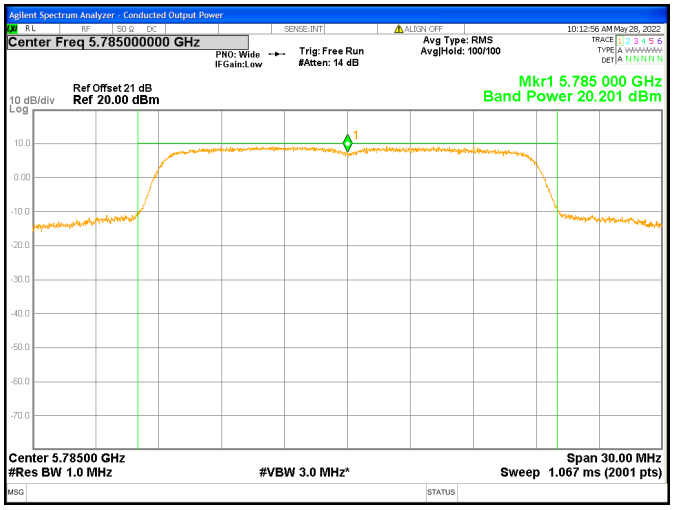
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch48



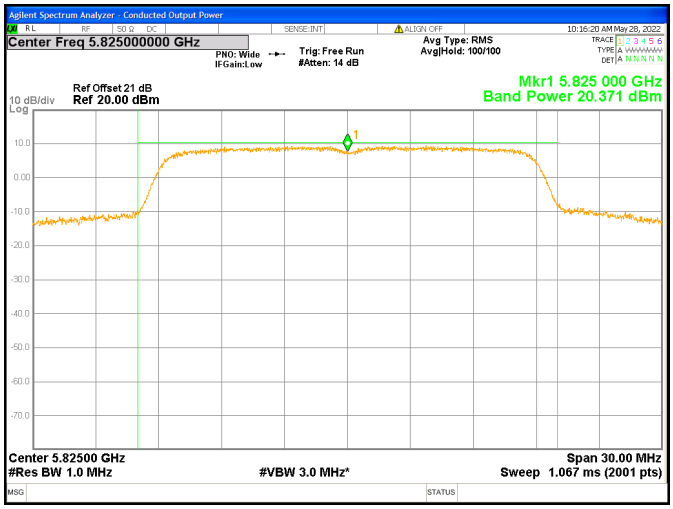
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch149



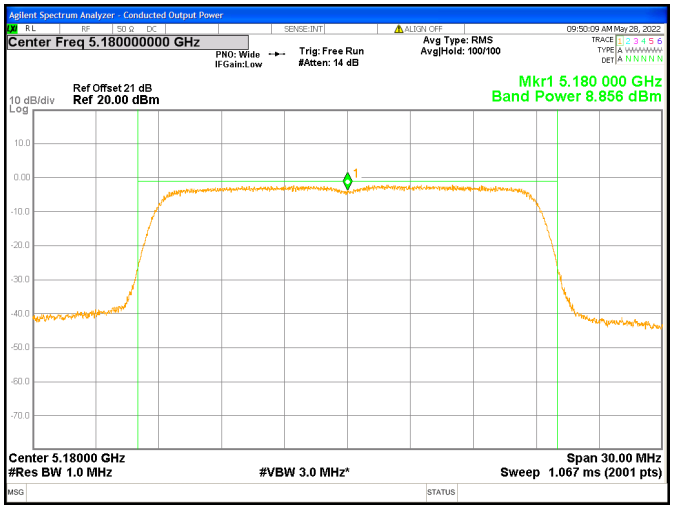
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch157



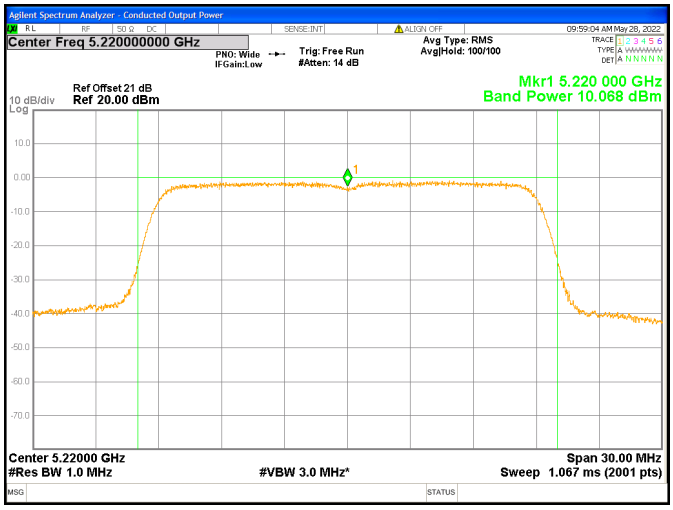
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch165



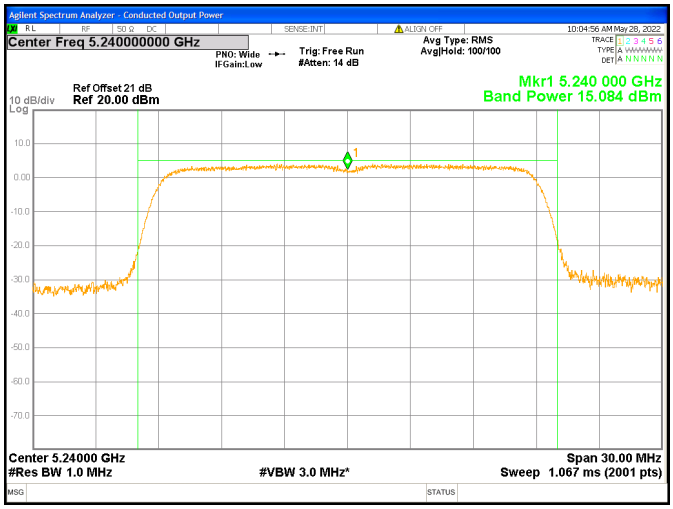
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch36



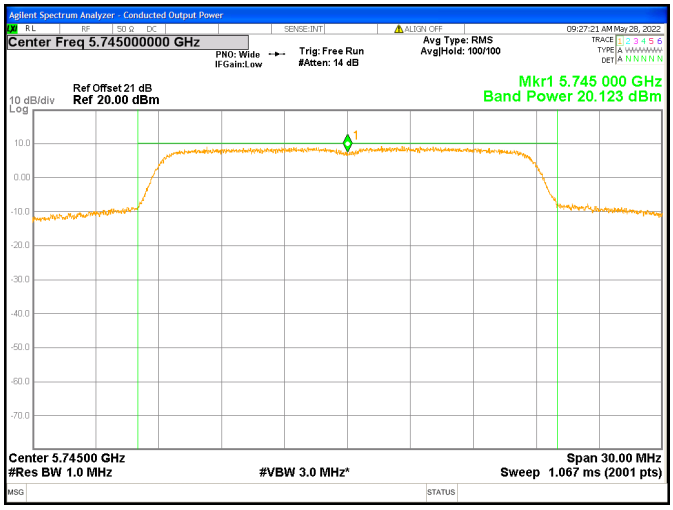
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch44



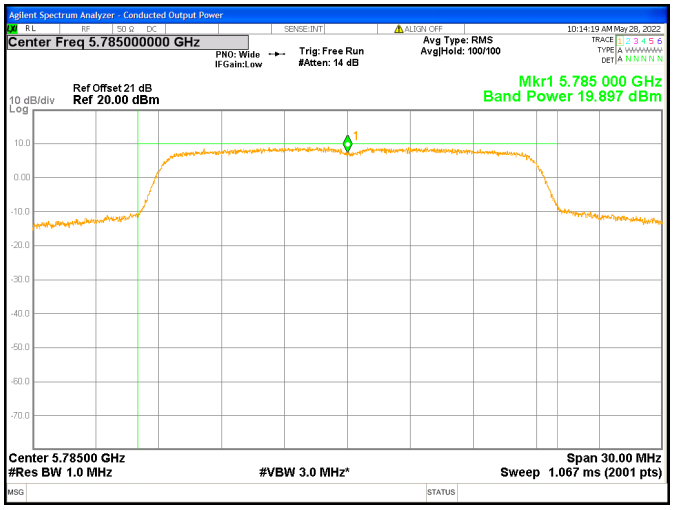
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch48



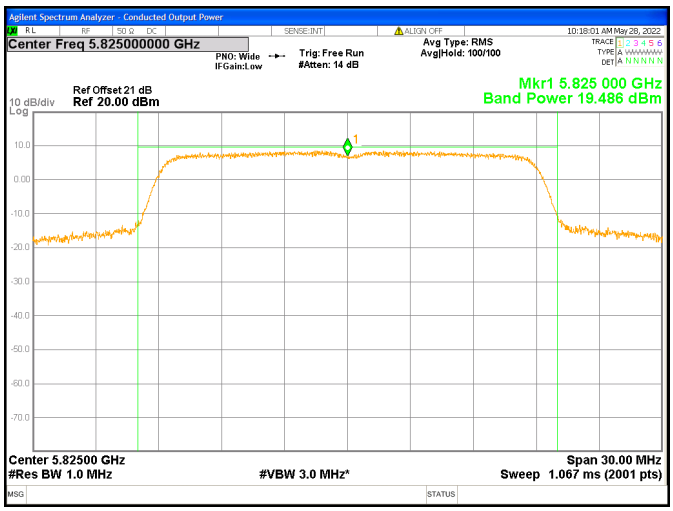
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch149



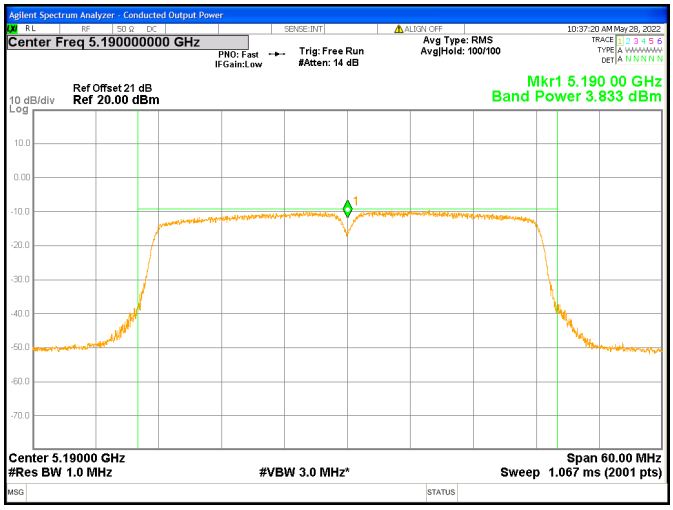
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch157



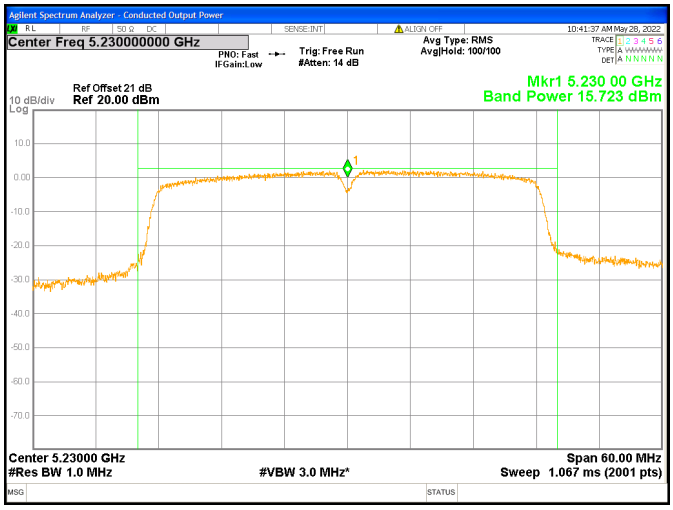
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch165



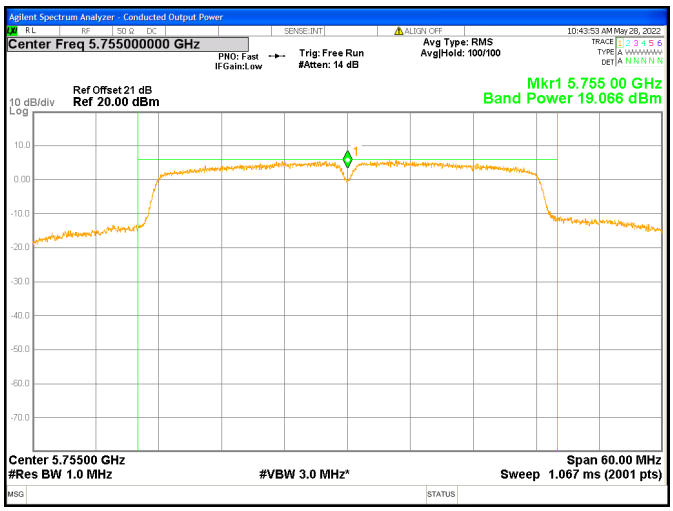
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch38



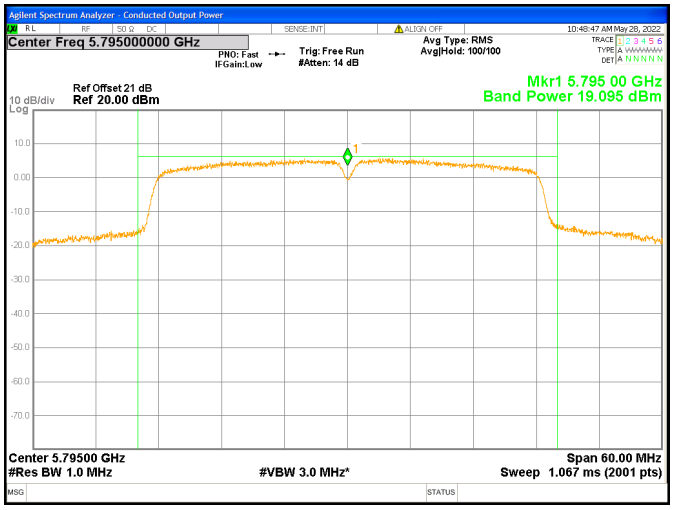
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch46



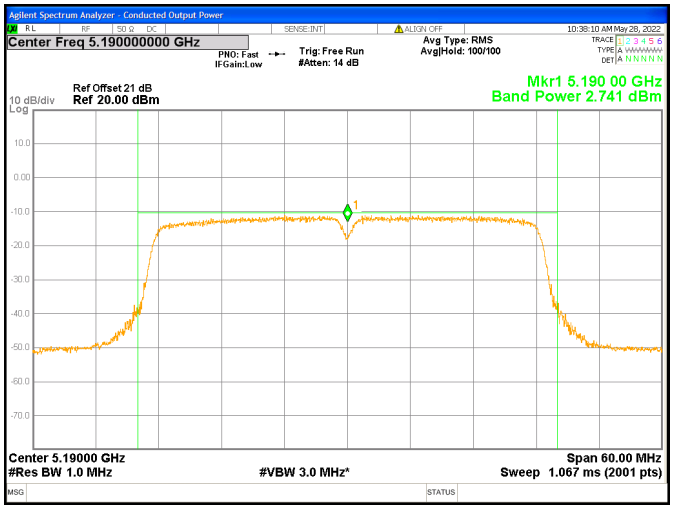
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch151



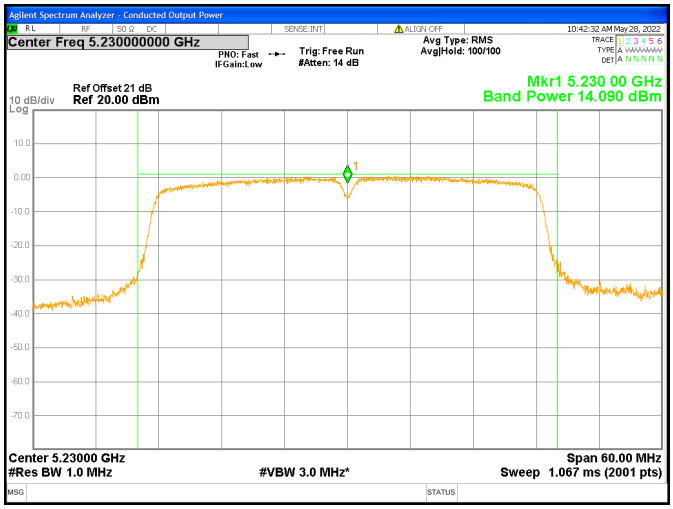
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch159



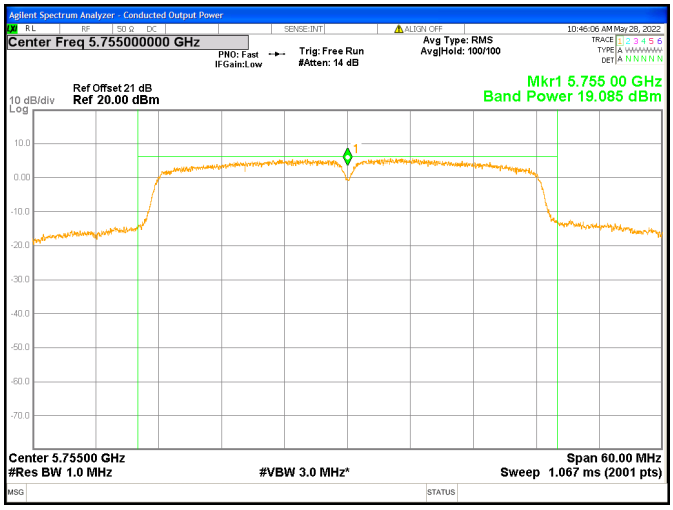
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch38



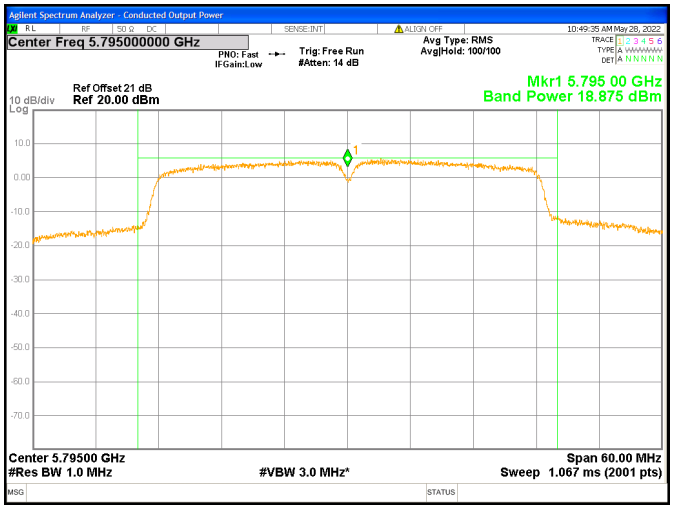
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch46



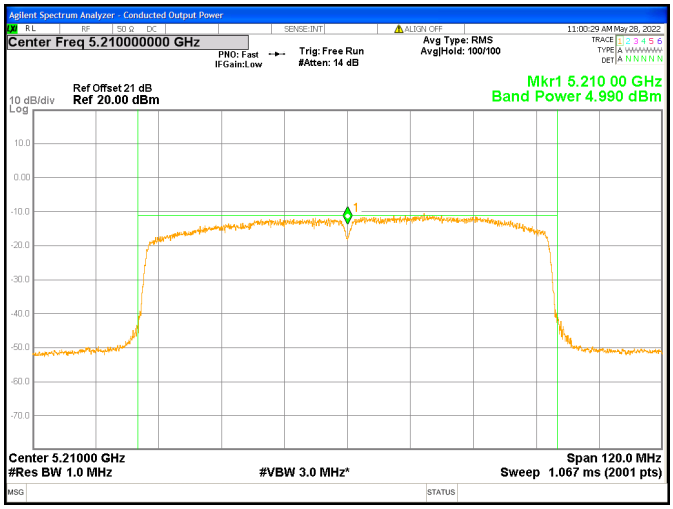
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch151



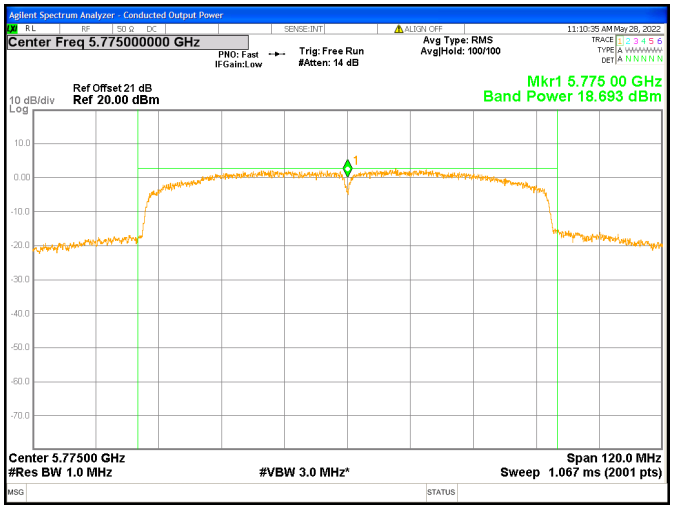
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch159



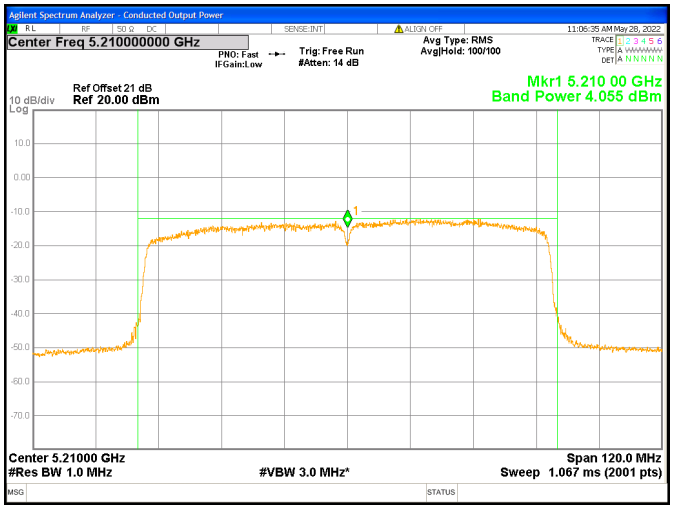
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch42



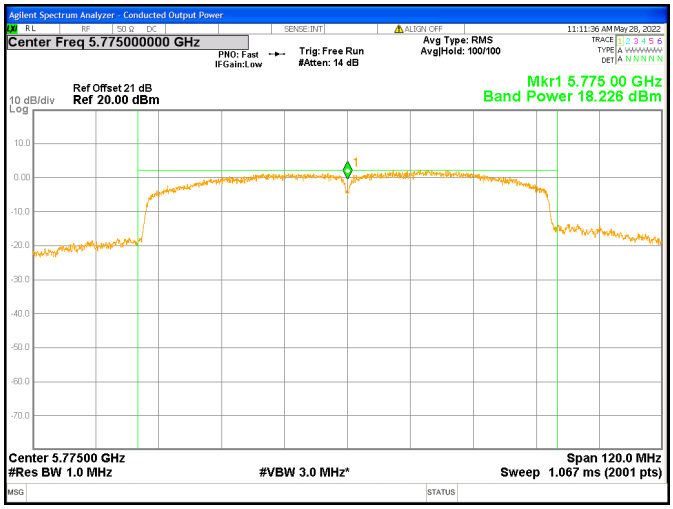
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch155



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch42



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch155



3. Power Spectrum Density

3.1 Limit for power spectrum density

Operating Frequency (MHz)	Power density limit
5150~5725	< 11 dBm/1MHz
5725~5850	< 30 dBm/500kHz

3.2 Measuring instrument setting

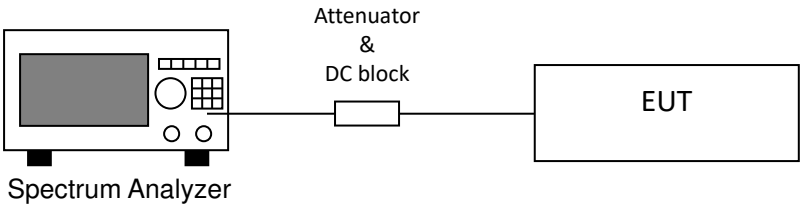
Spectrum analyzer settings (5150~5725MHz)	
Spectrum Analyzer function	**Setting**
Detector	RMS
RBW	=1MHz
VBW	≧3 MHz
Sweep	Auto couple
Trace	Average
Span	Encompass the 26 dB EBW
Attenuation	Auto
Sweep point	≥ 2 Span / RBW

Spectrum analyzer settings (5725~5850MHz)	
Spectrum Analyzer function	**Setting**
Detector	RMS
RBW	=100kHz
VBW	≧300 kHz
Sweep	Auto couple
Trace	Average
Span	Encompass the 26 dB EBW
Attenuation	Auto
Sweep point	≥ 2 Span / RBW

3.3 Test procedure

Set relevant parameter according to clause 4.3.
Trace average at least 100 traces in power averaging mode.
Compute power by integrating the spectrum across the 26 dB or 6dB EBW of the signal using the instrument's band power measurement function with band limits set equal to the EBW band edges.
If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement. The RBW is 100 kHz. So, we will add 6.989 to the results.

3.4 Test diagram



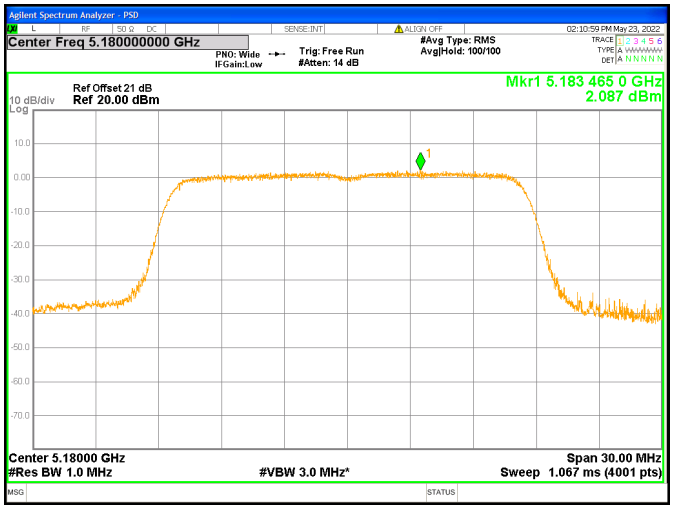
3.5 Test results

Temperature (℃) :	24
Relative Humidity (%) :	63
Test date :	2022/05/23
Host 1 :	67401

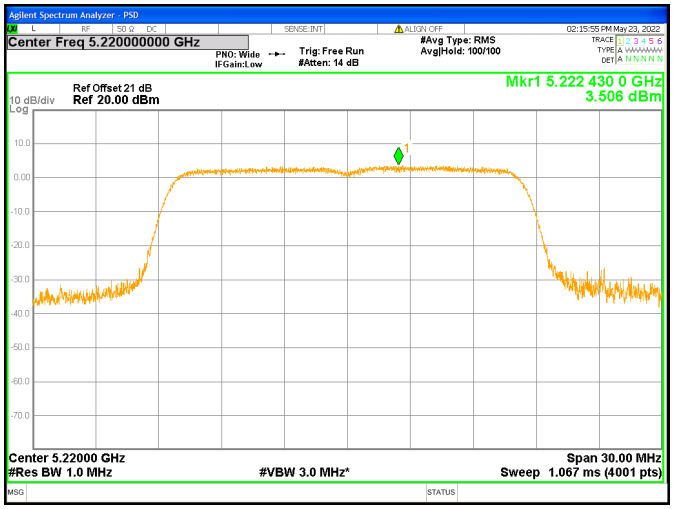
Mode	Ch	Freq (MHz)	PSD (dBm)		Total PSD		RBW Correction	Duty Factor	Result (dBm)	Limit (dBm)	Margin (dB)
			Chain 0	Chain 1	mW	dBm					
802.11a Chain0+1	36	5180	2.087	1.678	3.089	4.898		1.02	5.921	11.00	-5.079
	44	5220	3.506	2.016	3.833	5.835		1.02	6.858	11.00	-4.142
	48	5240	6.950	4.789	7.967	9.013		1.02	10.036	11.00	-0.964
	149	5745	1.005	0.338	2.341	3.695	6.99	1.02	11.707	30.00	-18.293
	157	5785	1.056	1.039	2.546	4.058	6.99	1.02	12.071	30.00	-17.929
	165	5825	1.321	0.994	2.613	4.171	6.99	1.02	12.184	30.00	-17.816
802.11ac (VHT20) Chain0+1	36	5180	-0.831	-1.668	1.507	1.781		1.06	2.841	11.00	-8.159
	44	5220	0.525	0.174	2.169	3.363		1.06	4.424	11.00	-6.576
	48	5240	6.294	5.637	7.922	8.988		1.06	10.049	11.00	-0.951
	149	5745	1.052	-0.231	2.222	3.468	6.99	1.06	11.518	30.00	-18.482
	157	5785	0.656	0.279	2.229	3.482	6.99	1.06	11.532	30.00	-18.468
	165	5825	0.384	1.369	2.463	3.915	6.99	1.06	11.965	30.00	-18.035
802.11ac (VHT40) Chain0+1	38	5190	-8.884	-9.817	0.234	-6.315		2.09	-4.225	11.00	-15.225
	46	5230	3.290	2.342	3.848	5.852		2.09	7.942	11.00	-3.058
	151	5755	-2.133	-2.601	1.161	0.650	6.99	2.09	9.729	30.00	-20.271
	159	5795	-1.364	-2.366	1.310	1.174	6.99	2.09	10.254	30.00	-19.746
802.11ac (VHT80) Chain0+1	42	5210	-9.403	-11.080	0.193	-7.151		3.63	-3.516	11.00	-14.516
	155	5775	-6.137	-6.750	0.455	-3.422	6.99	3.63	7.202	30.00	-22.798

Note : RBW Correction in 5725~5850MHz :
10log(500kHz/100kHz)
Result=Total Power+Duty Factor

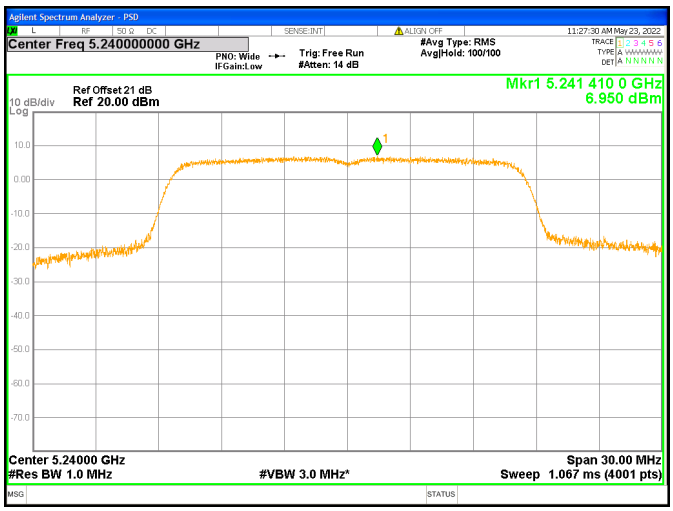
Chain0 : Power Spectral Density @ 802.11a Mode Ch36



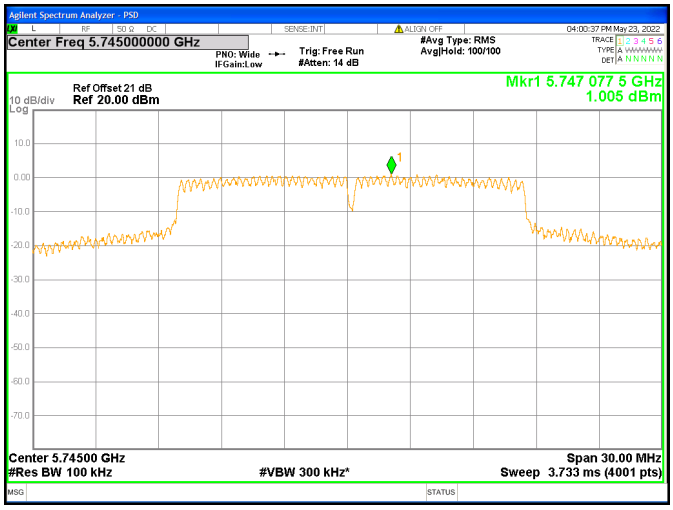
Chain0 : Power Spectral Density @ 802.11a Mode Ch44



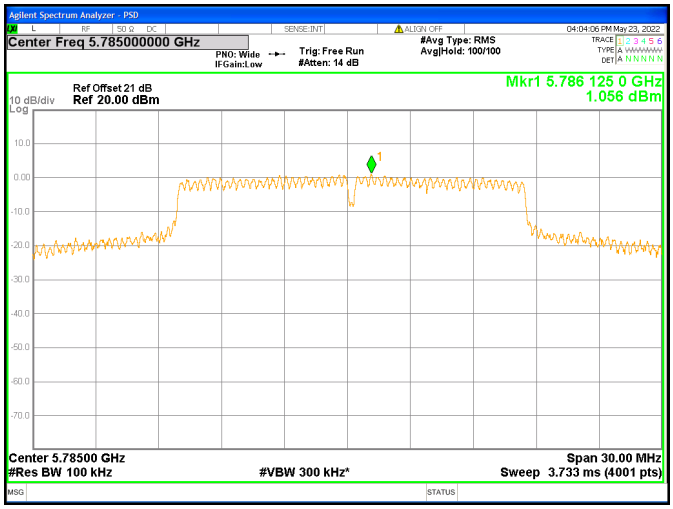
Chain0 : Power Spectral Density @ 802.11a Mode Ch48



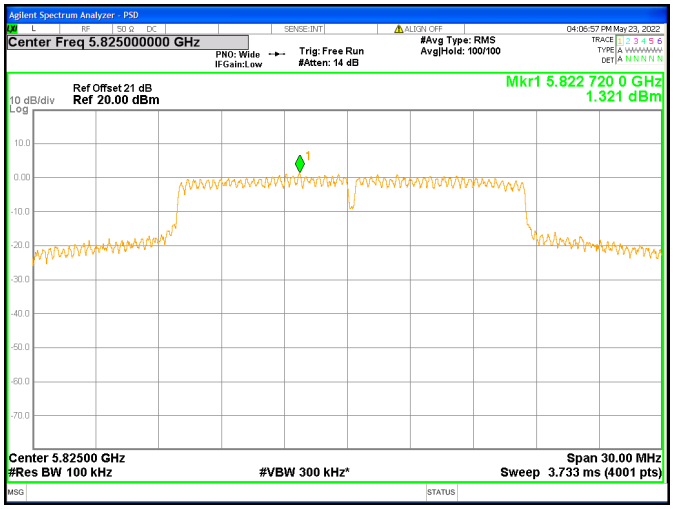
Chain0 : Power Spectral Density @ 802.11a Mode Ch149



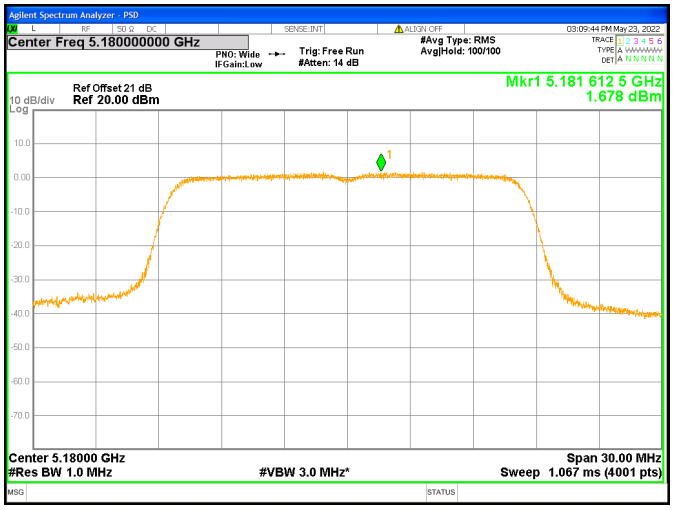
Chain0 : Power Spectral Density @ 802.11a Mode Ch157



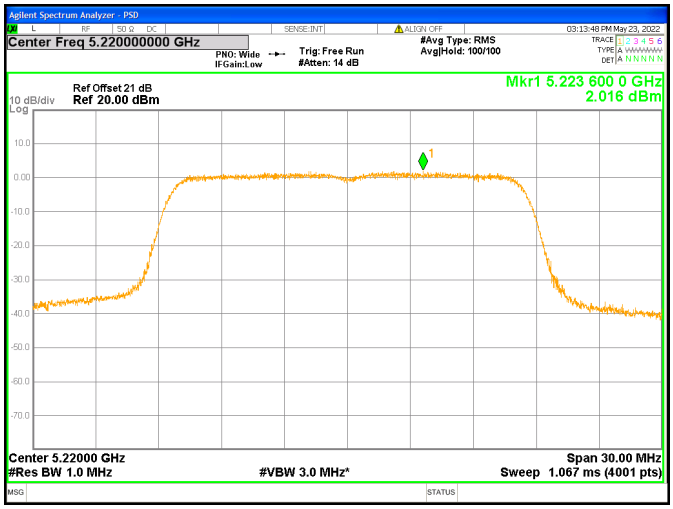
Chain0 : Power Spectral Density @ 802.11a Mode Ch165



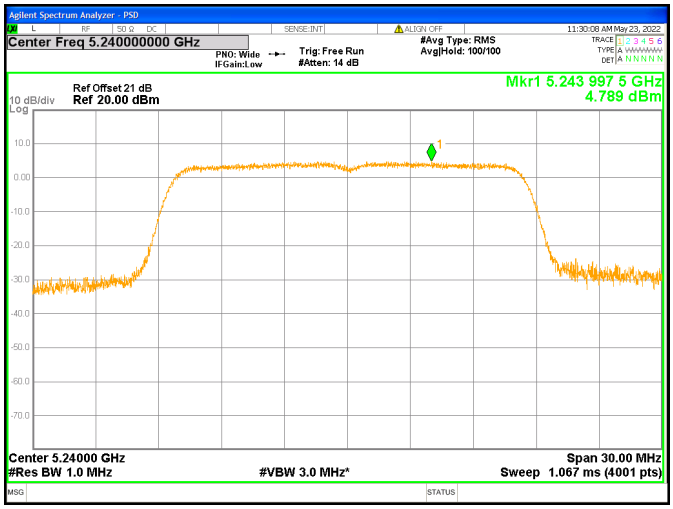
Chain1 : Power Spectral Density @ 802.11a Mode Ch36



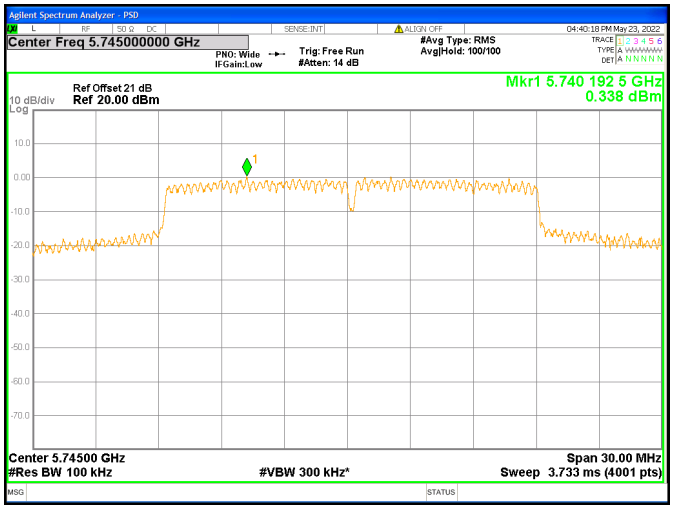
Chain1 : Power Spectral Density @ 802.11a Mode Ch44



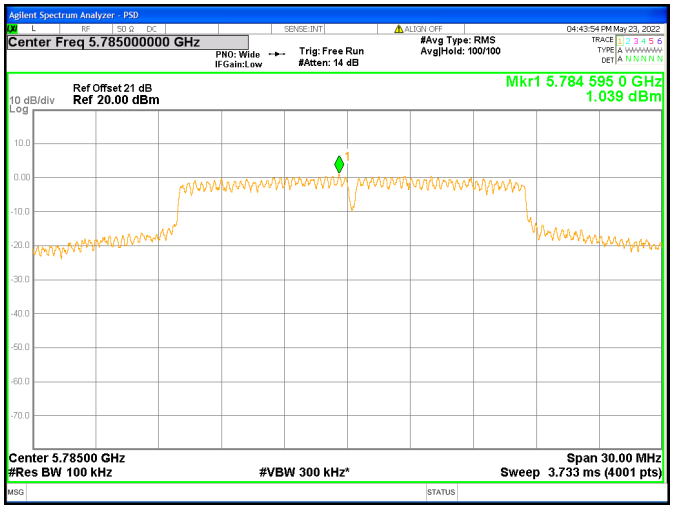
Chain1 : Power Spectral Density @ 802.11a Mode Ch48



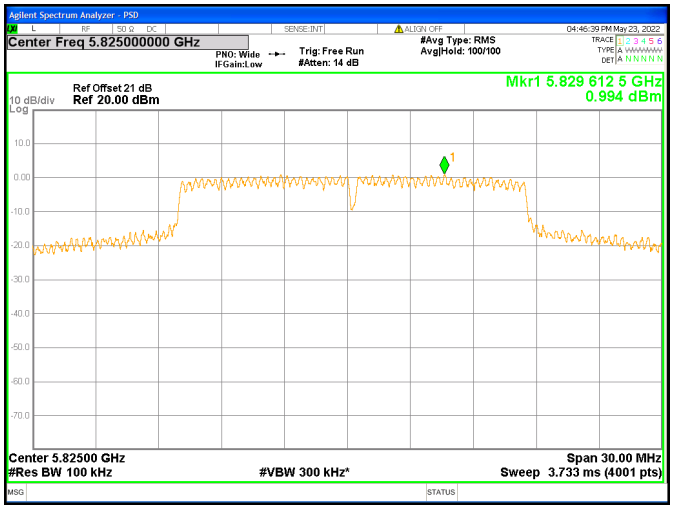
Chain1 : Power Spectral Density @ 802.11a Mode Ch149



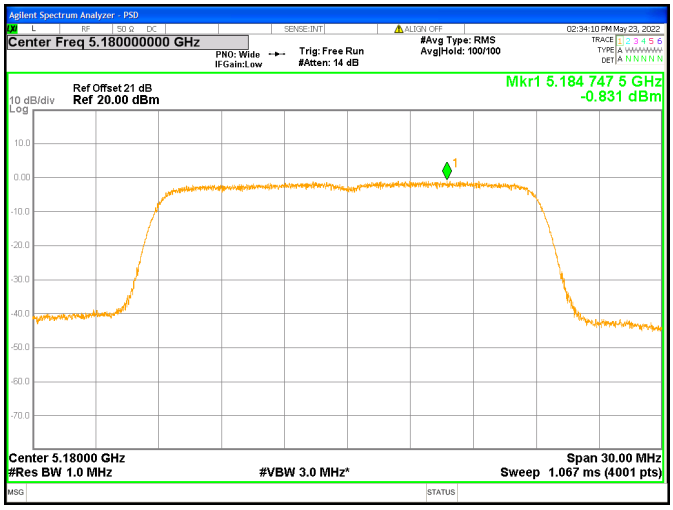
Chain1 : Power Spectral Density @ 802.11a Mode Ch157



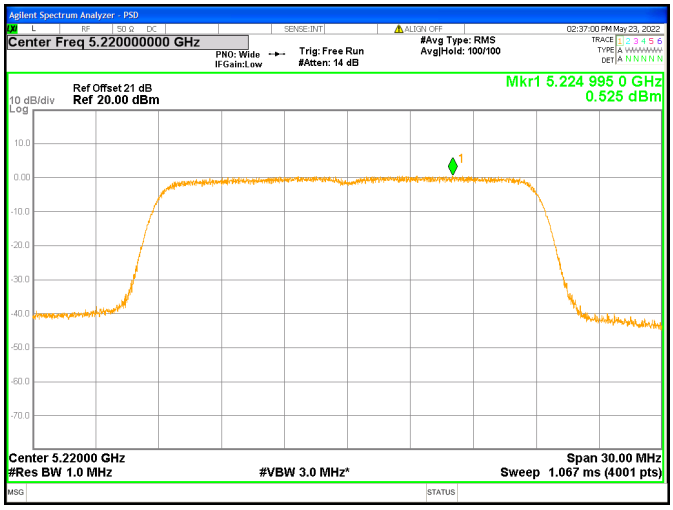
Chain1 : Power Spectral Density @ 802.11a Mode Ch165



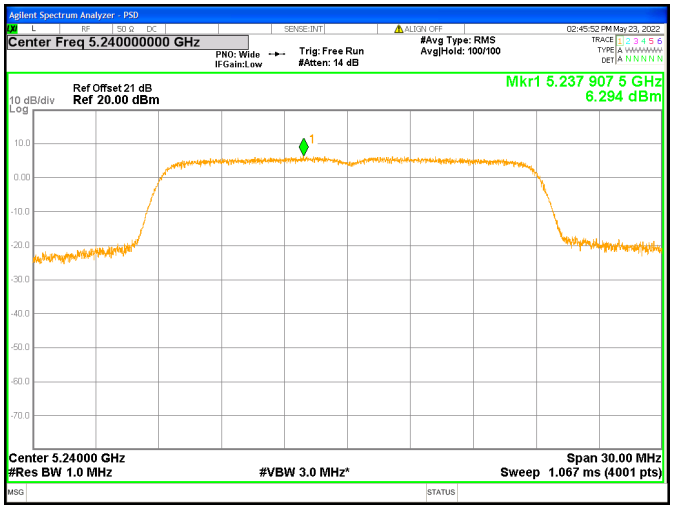
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch36



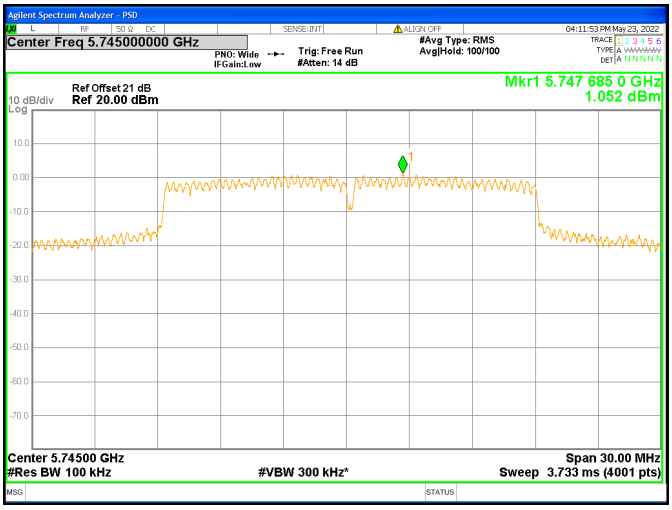
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch44



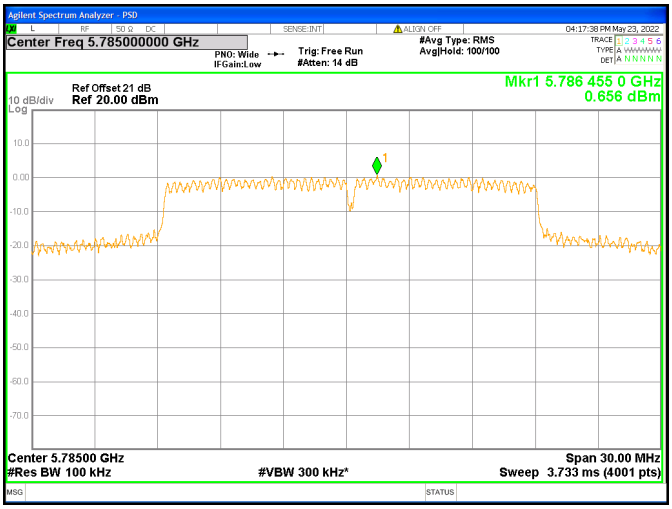
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch48



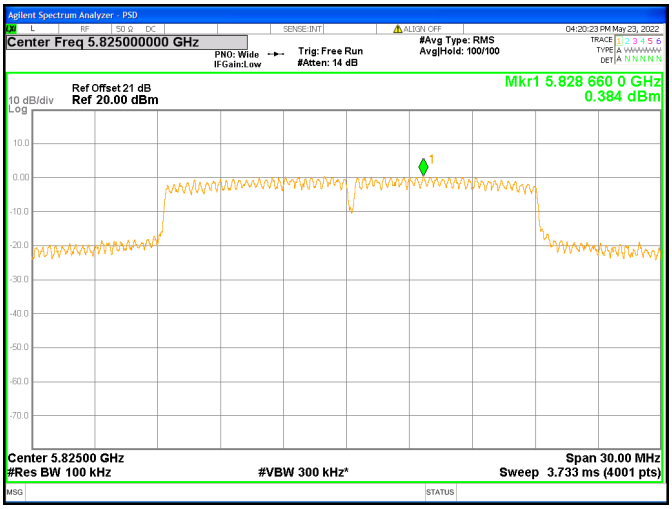
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch149



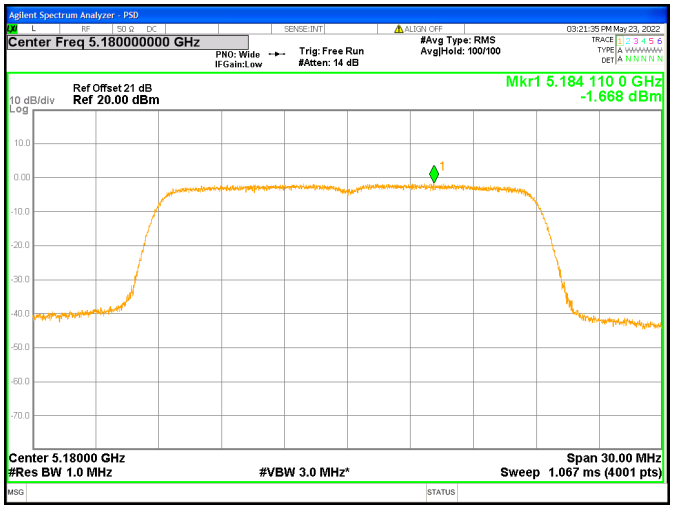
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch157



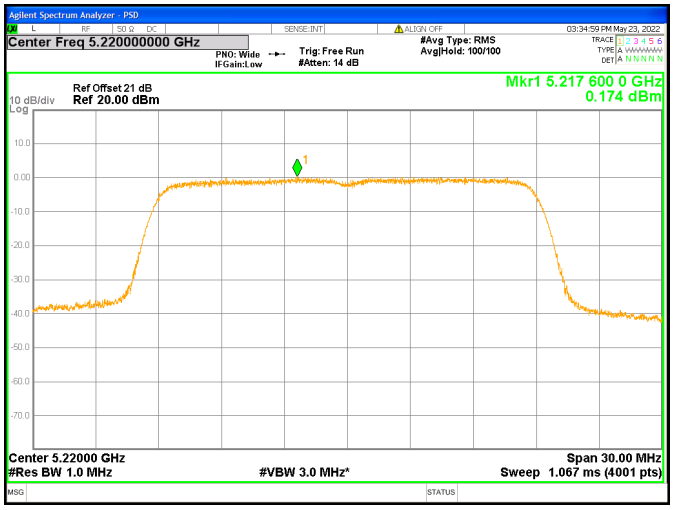
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch165



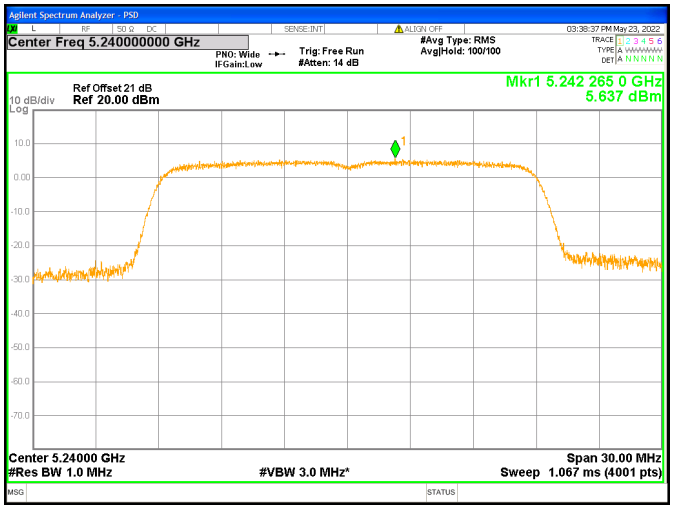
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch36



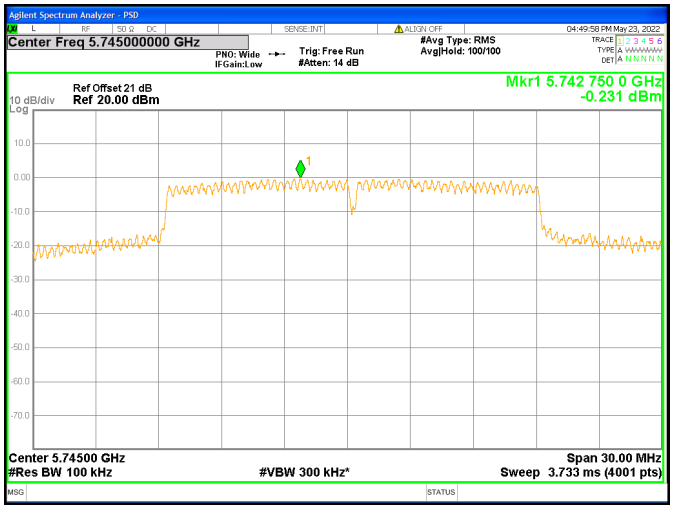
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch44



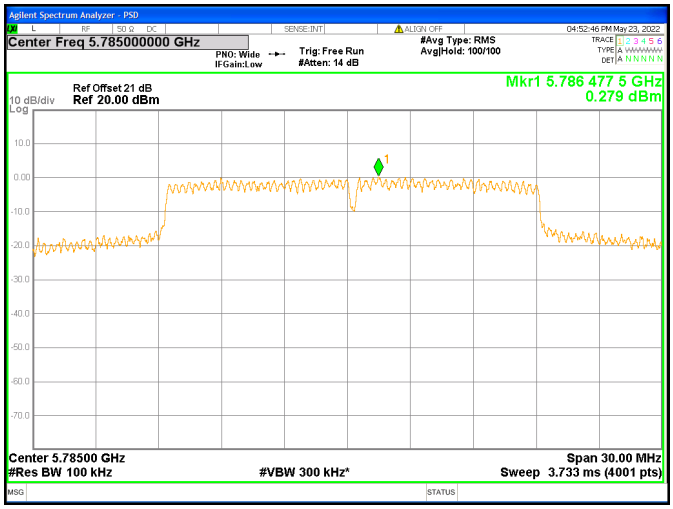
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch48



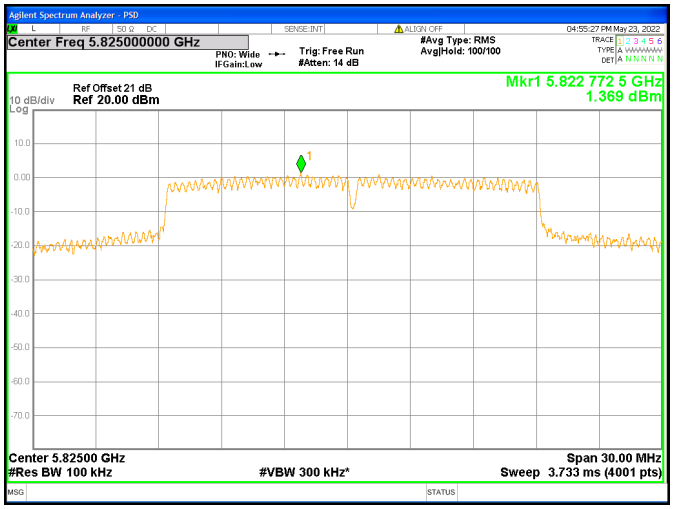
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch149



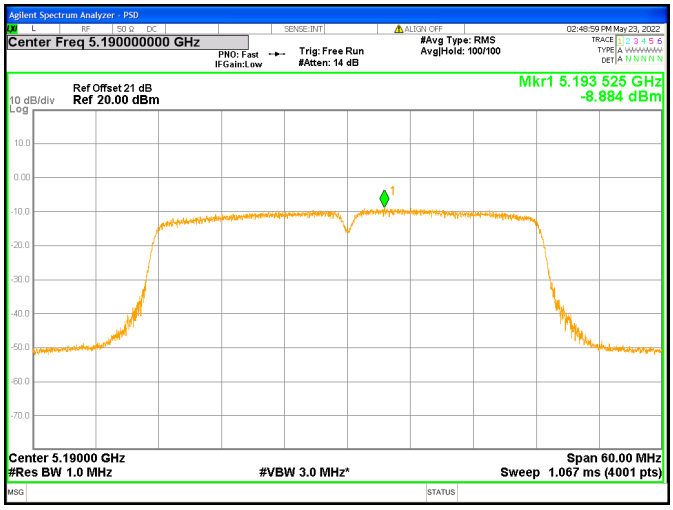
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch157



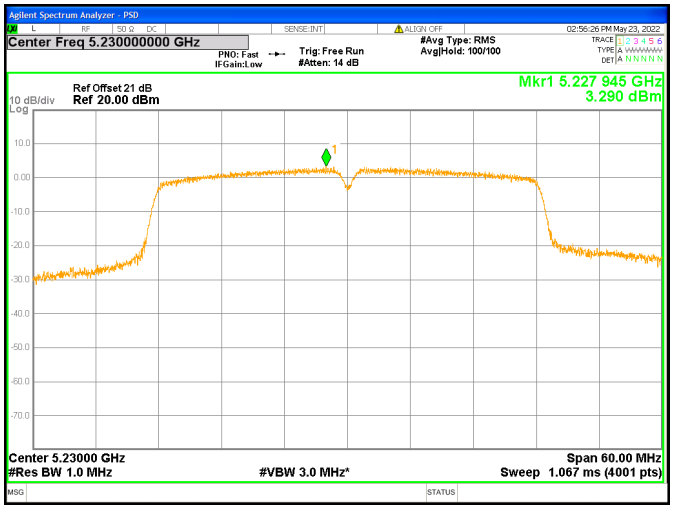
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch165



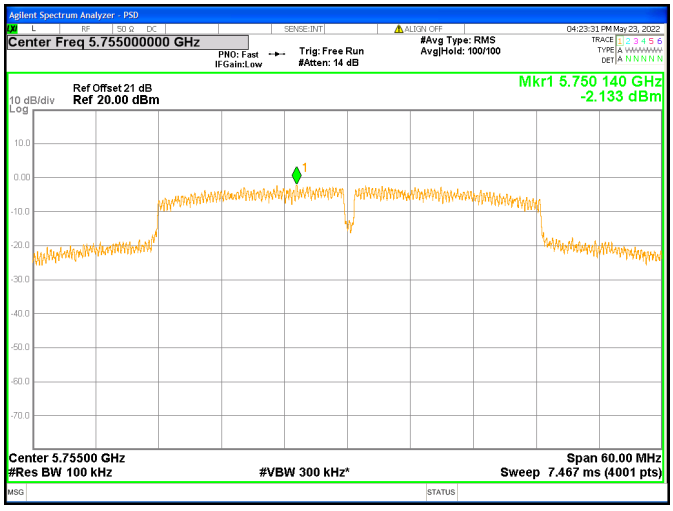
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch38



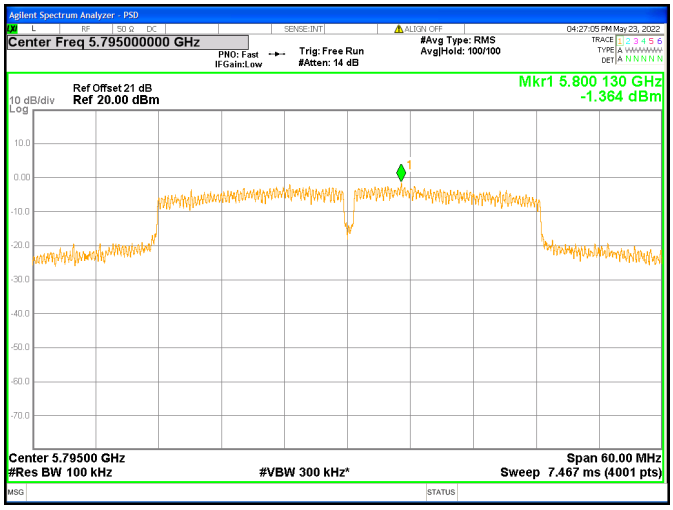
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch46



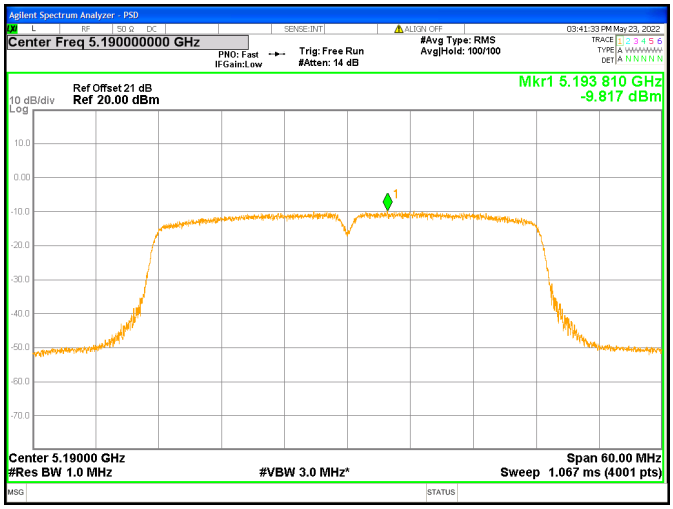
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch151



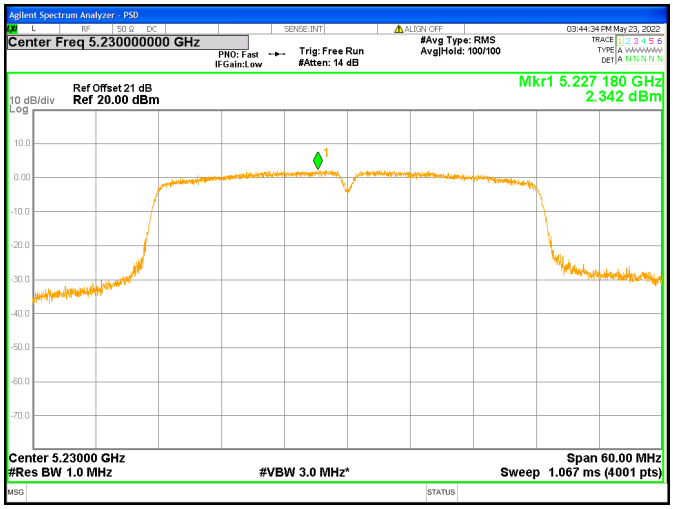
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch159



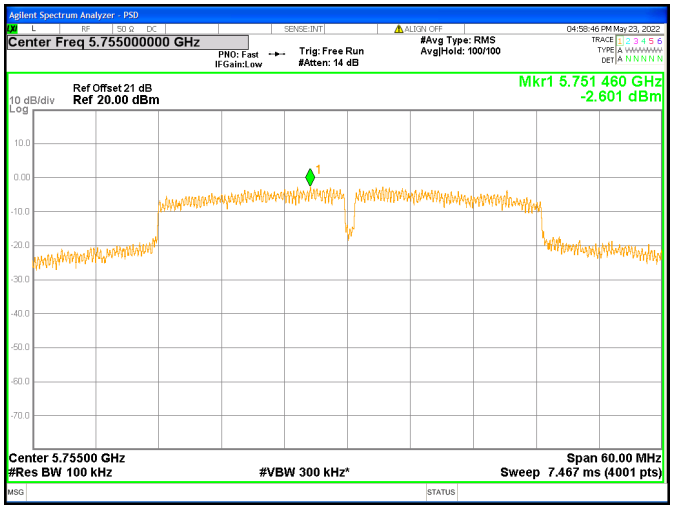
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch38



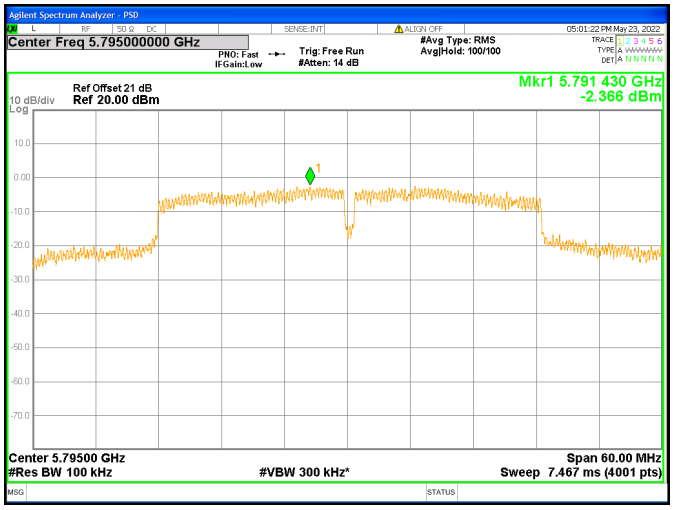
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch46



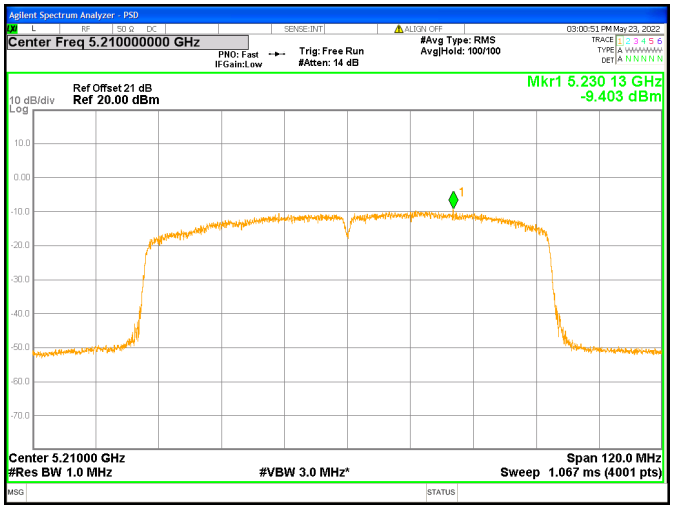
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch151



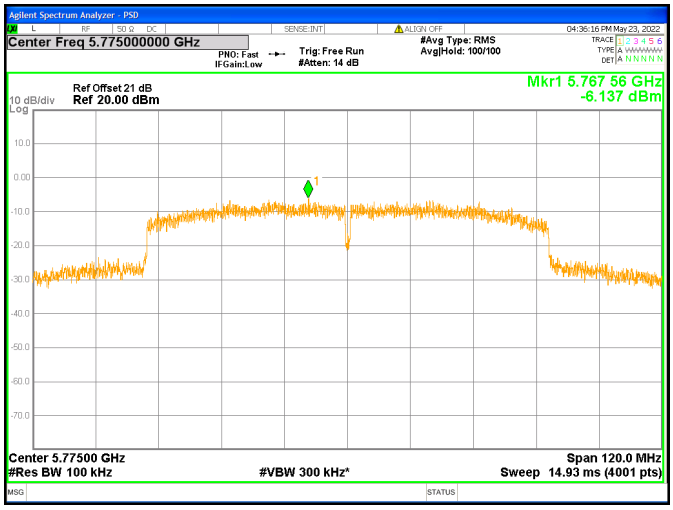
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch159



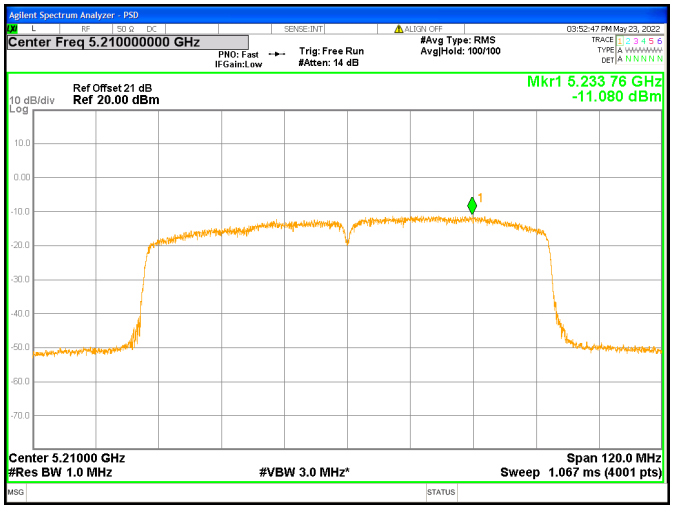
Chain0 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch42



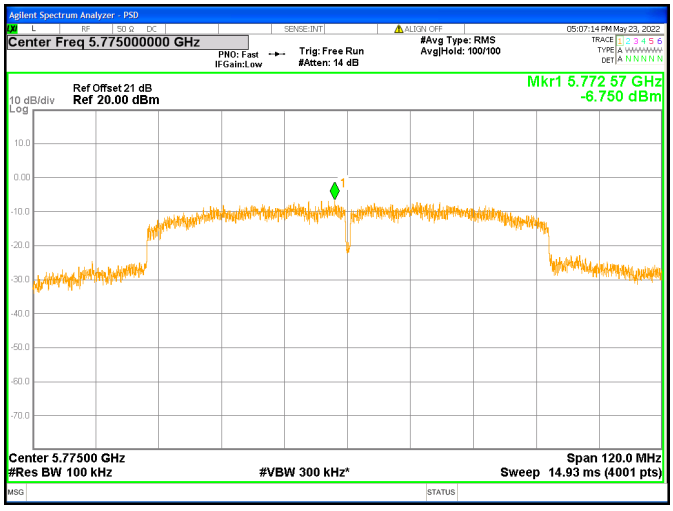
Chain0 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch155



Chain1 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch42



Chain1 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch155



4. Minimum Bandwidth

4.1 Limit for minimum emission bandwidth.

Within the 5.15-5.25 GHz, the 26 dB bandwidth is for reporting purpose only.
Within the 5.725-5.85 GHz, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz..

4.2 Measuring instrument setting

Emission Bandwidth for 5.15-5.25 GHz

Spectrum analyzer settings	
Spectrum Analyzer function	**Setting**
Detector	Peak
RBW	Approximately 1% of the EBW
VBW	> RBW
Trace mode	Max hold

Minimum Emission Bandwidth for 5.725-5.85 GHz

Spectrum analyzer settings	
Spectrum Analyzer function	**Setting**
Detector	Peak
RBW	100kHz
VBW	≧3 x RBW
Sweep	Auto couple
Trace mode	Max hold

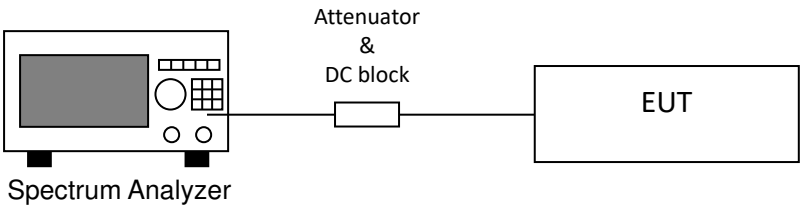
99% Occupied Bandwidth

Spectrum analyzer settings	
Spectrum Analyzer function	**Setting**
Span	1.5 times to 5.0 times the OBW
RBW	1% to 5% of the OBW
VBW	≧3 x RBW
Trace mode	Max hold

4.3 Test procedure

1. The transmitter output was connected to the spectrum analyzer.
2. Test was performed in accordance with section C&D of KDB 789033 D02 v01r02.
3. For the 5.725-5.85 GHz, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
4. For the 5.15-5.25 GHz and 5.725-5.85 GHz, measure the maximum width of the emission that is 26 dB down from the maximum of the emission.

4.4 Test diagram



4.5 Test results

Temperature (℃) :	24
Relative Humidity (%) :	63
Test date :	2022/05/23
Host 1 :	67401

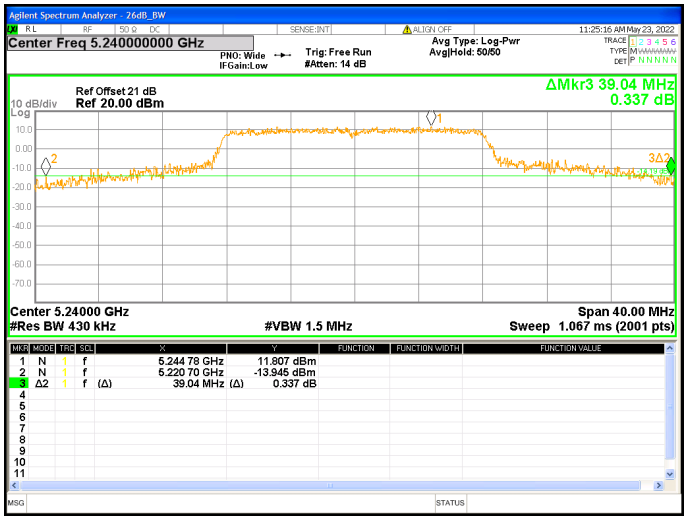
Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11a Chain0	36	5180	18.180
	44	5220	21.200
	48	5240	39.040
	149	5745	39.980
	157	5785	39.940
	165	5825	39.560
802.11a Chain1	36	5180	18.220
	44	5220	18.220
	48	5240	19.600
	149	5745	40.000
	157	5785	39.860
	165	5825	39.980
802.11ac (VHT20) Chain0	36	5180	19.260
	44	5220	19.080
	48	5240	34.260
	149	5745	39.980
	157	5785	39.980
	165	5825	39.920
802.11ac (VHT20) Chain1	36	5180	19.280
	44	5220	19.180
	48	5240	33.720
	149	5745	39.900
	157	5785	40.000
	165	5825	40.000
802.11ac (VHT40) Chain0	38	5190	40.800
	46	5230	66.000
	151	5755	80.000
	159	5795	79.920

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11ac (VHT40) Chain1	38	5190	40.800
	46	5230	55.120
	151	5755	79.920
	159	5795	79.480
802.11ac (VHT80) Chain0	42	5210	80.160
	155	5775	155.600
802.11ac (VHT80) Chain1	42	5210	79.920
	155	5775	154.640

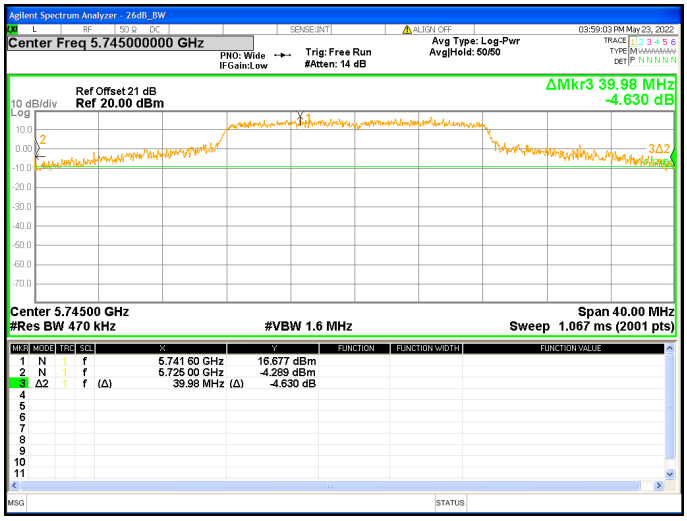
Chain0 : Emission Bandwidth-26dB @ 802.11a Mode Ch36

Chain0 : Emission Bandwidth-26dB @ 802.11a Mode Ch44

Chain0 : Emission Bandwidth-26dB @ 802.11a Mode Ch48

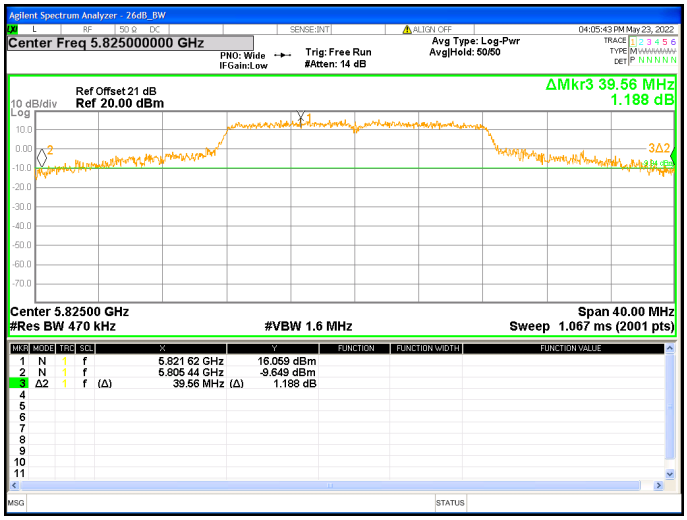


Chain0 : Emission Bandwidth-26dB @ 802.11a Mode Ch149



Chain0 : Emission Bandwidth-26dB @ 802.11a Mode Ch157

Chain0 : Emission Bandwidth-26dB @ 802.11a Mode Ch165

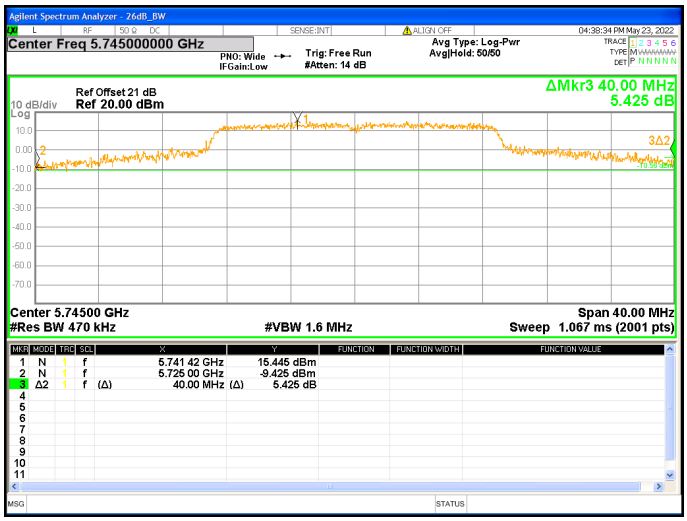


Chain1 : Emission Bandwidth-26dB @ 802.11a Mode Ch36

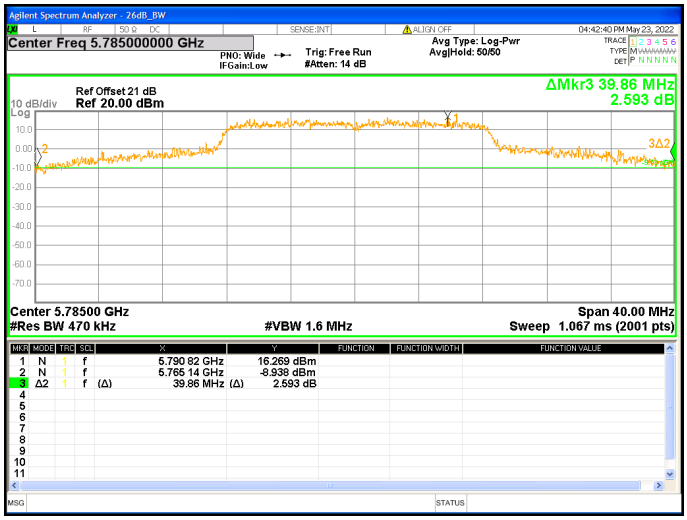
Chain1 : Emission Bandwidth-26dB @ 802.11a Mode Ch44

Chain1 : Emission Bandwidth-26dB @ 802.11a Mode Ch48

Chain1 : Emission Bandwidth-26dB @ 802.11a Mode Ch149



Chain1 : Emission Bandwidth-26dB @ 802.11a Mode Ch157



Chain1 : Emission Bandwidth-26dB @ 802.11a Mode Ch165

Chain0 : Emission Bandwidth-26dB @ 802.11ac(VHT20) Mode Ch36

Chain0 : Emission Bandwidth-26dB @ 802.11ac(VHT20) Mode Ch44

Chain0 : Emission Bandwidth-26dB @ 802.11ac(VHT20) Mode Ch48