

Peloton Interactive Inc.

TEST REPORT

SCOPE OF WORK:

47 CFR FCC Part 15.407 – Radio Spectrum report

Model:

PLTN-RB1VO-2

REPORT NUMBER

210400311THC-001

ISSUE DATE

Jul. 5, 2021

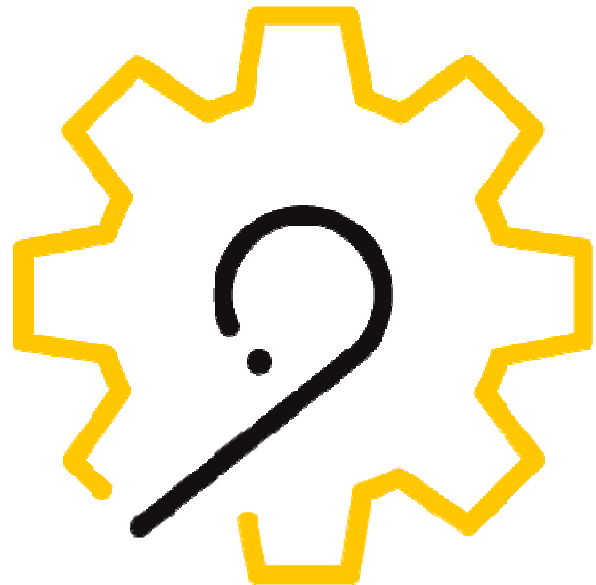
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DOCUMENT CONTROL NUMBER

GFT-OP-10h (28-Nov-2018)

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Radio Spectrum TEST REPORT

Applicant:	Peloton Interactive Inc. 125 W 25th St, 11th Floor, New York, NY 10001
Product:	Peloton Console Tablet
Model No.:	PLTN-RB1VO-2
FCC ID:	2AA3N-RB1VO2
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



Zero Chen

Zero Chen
Engineer

Durant Wei

Durant Wei
Reviewer

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TEST REPORT**Revision History**

Report No.	Issue Date	Revision Summary
210400311THC-001	Jul. 5, 2021	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
Dynamic Frequency Selection (DFS)	15.407(h)(2)	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:	Peloton Console Tablet
Model No.:	PLTN-RB1VO-2
Operating Frequency:	1. 5180MHz~5240MHz 2. 5260MHz~5320MHz 3. 5500MHz~5700MHz 4. 5745MHz~5825MHz
Channel Number:	1. 7 channels for 5180MHz~5240MHz 2. 7 channels for 5260MHz~5320MHz 3. 18 channels for 5500MHz~5700MHz 4. 8 channels for 5745MHz~5825MHz
Access scheme:	OFDM
Rated Power:	DC 12V from adapter
Power Cord:	N/A
Sample receiving date:	2021/04/26
Sample condition:	Workable
Test Date(s):	2021/04/26 ~ 2021/05/24

1.2 Description of the EUT

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

1.3 Antenna description**Antenna 1**

Antenna Gain : 2.96 dBi
Antenna Type : PCB antenna
Connector Type : I-Pex

Antenna 2

Antenna Gain : 3.63 dBi
Antenna Type : PCB antenna
Connector Type : I-Pex

1.4 Peripherals equipment

Peripherals	Brand	Model No.	Serial No.	Data cable
Notebook PC	HP	HP Probook 440 G3	5CD8021S9H	Micro USB shielded cable 1 meter
Adapter	EDAX	EA10681G-120	N/A	N/A
Router	ASUS	RT-AC68U	N/A	N/A

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1.4 Operation mode

(1) TX mode: EUT use 「AMPAK RFTestTool.apk」 entering test mode , and Touchscreen to change different channel.

(2) 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	Channel	Frequency (MHz)	Data rate (Mbps)	Signal on time (ms)	Signal on+off time (ms)	Duty cycle	Duty factor (dB)	1/T Minimum VBW (kHz)
802.11a	100	5500	6	1.39	1.44	96.52%	0.31	0.72
802.11ac (VHT20)	100	5500	6.5	1.93	1.96	98.47%	0.13	0.01
802.11ac (VHT40)	102	5510	13.5	1.22	1.27	95.67%	0.38	0.82
802.11ac (VHT80)	106	5530	29.3	2.20	2.26	97.56%	0.21	0.45

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

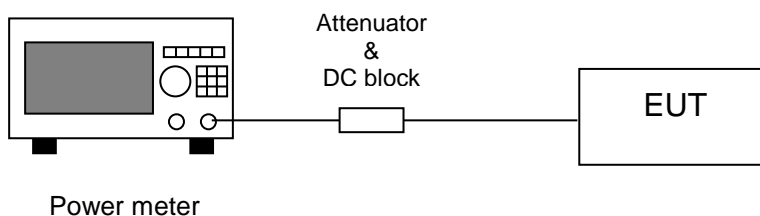
Power meter for Nominal Bandwidth less than 65MHz	
Power meter	Setting
Bandwidth	65MHz bandwidth is greater than the EUT emission bandwidth
Detector	Average

2.3 Test procedure

Test procedures refer to clause E) 3) b) measurement using a gated RF average power meter of KDB 789033 D02 v01r02

Test procedures refer to clause E) 2) b) Method SA-1 of KDB 789033 D02 v01r02

2.4 Test diagram



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2.5 Test results

Temperature (°C) :	27
Relative Humidity (%) :	58
Test date :	2021/5/20 - 2021/5/24

Mode	Ch	Frequency (MHz)	Conducted Output Power (AV)		Duty Factor	Antenna Gain (dBi)	E.I.R.P. (dBm)	Limit of Conducted Power (dBm)	Margin (dB)	Limit of E.I.R.P. (dBm)	Margin (dB)
			dBm	mW							
802.11a Chain0	36	5180	11.79	15.10	0.31	2.96	15.06	24.00	-11.90	30.00	-14.94
	44	5220	12.38	17.30	0.31	2.96	15.65	24.00	-11.31	30.00	-14.35
	48	5240	12.53	17.91	0.31	2.96	15.80	24.00	-11.16	30.00	-14.20
	52	5260	13.29	21.33	0.31	2.96	16.56	24.00	-10.40	30.00	-13.44
	60	5300	13.65	23.17	0.31	2.96	16.92	24.00	-10.04	30.00	-13.08
	64	5320	13.87	24.38	0.31	2.96	17.14	24.00	-9.82	30.00	-12.86
	100	5500	15.99	39.72	0.31	2.96	19.26	24.00	-7.70	30.00	-10.74
	120	5600	16.54	45.08	0.31	2.96	19.81	24.00	-7.15	30.00	-10.19
	140	5700	16.53	44.98	0.31	2.96	19.80	24.00	-7.16	30.00	-10.20
	149	5745	15.27	33.65	0.31	2.96	18.54	30.00	-14.42	36.00	-17.46
	157	5785	14.82	30.34	0.31	2.96	18.09	30.00	-14.87	36.00	-17.91
165	5825	14.15	26.00	0.31	2.96	17.42	30.00	-15.54	36.00	-18.58	
802.11a Chain1	36	5180	12.03	15.96	0.31	3.63	15.97	24.00	-11.66	30.00	-14.03
	44	5220	12.68	18.54	0.31	3.63	16.62	24.00	-11.01	30.00	-13.38
	48	5240	12.72	18.71	0.31	3.63	16.66	24.00	-10.97	30.00	-13.34
	52	5260	12.86	19.32	0.31	3.63	16.80	24.00	-10.83	30.00	-13.20
	60	5300	13.74	23.66	0.31	3.63	17.68	24.00	-9.95	30.00	-12.32
	64	5320	13.92	24.66	0.31	3.63	17.86	24.00	-9.77	30.00	-12.14
	100	5500	16.34	43.05	0.31	3.63	20.28	24.00	-7.35	30.00	-9.72
	120	5600	16.51	44.77	0.31	3.63	20.45	24.00	-7.18	30.00	-9.55
	140	5700	16.48	44.46	0.31	3.63	20.42	24.00	-7.21	30.00	-9.58
	149	5745	15.45	35.08	0.31	3.63	19.39	30.00	-14.24	36.00	-16.61
	157	5785	15.23	33.34	0.31	3.63	19.17	30.00	-14.46	36.00	-16.83
165	5825	14.38	27.42	0.31	3.63	18.32	30.00	-15.31	36.00	-17.68	

TEST REPORT

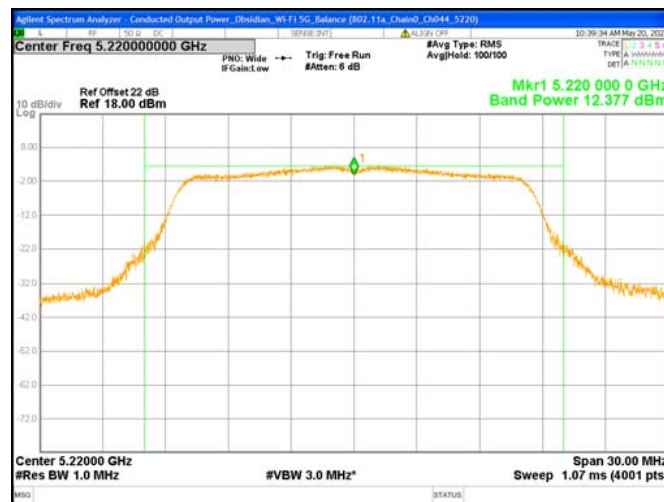
Mode	Ch	Freq (MHz)	Output Power (AV)		Total Power (AV)		Duty Factor	Result dBm	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)	E.I.R.P. (dBm)	Limit of Conducted Power (dBm)	Margin (dB)	Limit of E.I.R.P. (dBm)	Margin (dB)
			Chain 0	Chain 1	mW	dBm									
			dBm	dBm											
802.11ac (VHT20) Chain0+1	36	5180	11.82	12.16	31.65	15.00	0.13	15.14	2.96	3.63	18.46	24.00	-8.86	30.00	-11.54
	44	5220	12.03	12.47	33.62	15.27	0.13	15.40	2.96	3.63	18.72	24.00	-8.60	30.00	-11.28
	48	5240	12.37	12.50	35.04	15.45	0.13	15.58	2.96	3.63	18.89	24.00	-8.42	30.00	-11.11
	52	5260	12.77	11.77	33.95	15.31	0.13	15.44	2.96	3.63	18.71	24.00	-8.56	30.00	-11.29
	60	5300	12.62	12.54	36.23	15.59	0.13	15.72	2.96	3.63	19.03	24.00	-8.28	30.00	-10.97
	64	5320	12.94	12.80	38.73	15.88	0.13	16.02	2.96	3.63	19.32	24.00	-7.98	30.00	-10.68
	100	5500	13.92	14.11	50.42	17.03	0.13	17.16	2.96	3.63	20.48	24.00	-6.84	30.00	-9.52
	120	5600	15.31	15.30	67.85	18.32	0.13	18.45	2.96	3.63	21.76	24.00	-5.55	30.00	-8.24
	140	5700	14.77	14.57	58.63	17.68	0.13	17.82	2.96	3.63	21.12	24.00	-6.18	30.00	-8.88
	149	5745	13.68	13.48	45.62	16.59	0.13	16.73	2.96	3.63	20.03	30.00	-13.27	36.00	-15.97
	157	5785	13.29	13.62	44.34	16.47	0.13	16.60	2.96	3.63	19.92	30.00	-13.40	36.00	-16.08
	165	5825	12.59	13.39	39.98	16.02	0.13	16.15	2.96	3.63	19.49	30.00	-13.85	36.00	-16.51
802.11ac (VHT40) Chain0+1	38	5190	9.84	10.00	19.64	12.93	0.38	13.32	2.96	3.63	16.63	24.00	-10.68	30.00	-13.37
	46	5230	11.20	11.25	26.52	14.24	0.38	14.62	2.96	3.63	17.93	24.00	-9.38	30.00	-12.07
	54	5270	12.35	12.27	34.04	15.32	0.38	15.71	2.96	3.63	19.01	24.00	-8.29	30.00	-10.99
	62	5310	10.35	9.99	20.82	13.18	0.38	13.57	2.96	3.63	16.86	24.00	-10.43	30.00	-13.14
	102	5510	10.85	10.41	23.15	13.65	0.38	14.03	2.96	3.63	17.32	24.00	-9.97	30.00	-12.68
	118	5590	13.48	13.79	46.22	16.65	0.38	17.03	2.96	3.63	20.35	24.00	-6.97	30.00	-9.65
	134	5670	13.19	13.46	43.03	16.34	0.38	16.72	2.96	3.63	20.04	24.00	-7.28	30.00	-9.96
	151	5755	12.19	11.66	31.21	14.94	0.38	15.33	2.96	3.63	18.62	30.00	-14.67	36.00	-17.38
	159	5795	12.09	12.09	32.36	15.10	0.38	15.48	2.96	3.63	18.79	30.00	-14.52	36.00	-17.21
802.11ac (VHT80) Chain0+1	42	5210	7.43	7.05	10.60	10.25	0.21	10.47	2.96	3.63	13.76	24.00	-13.53	30.00	-16.24
	58	5290	9.81	9.90	19.34	12.87	0.21	13.08	2.96	3.63	16.39	30.00	-16.92	30.00	-13.61
	106	5530	9.68	9.89	19.04	12.80	0.21	13.01	2.96	3.63	16.33	30.00	-16.99	30.00	-13.67
	122	5610	12.99	12.91	39.45	15.96	0.21	16.17	2.96	3.63	19.48	30.00	-13.83	30.00	-10.52
	155	5775	11.43	11.45	27.86	14.45	0.21	14.66	2.96	3.63	17.97	30.00	-15.34	36.00	-18.03

Note: Result=Total Power+Duty Factor

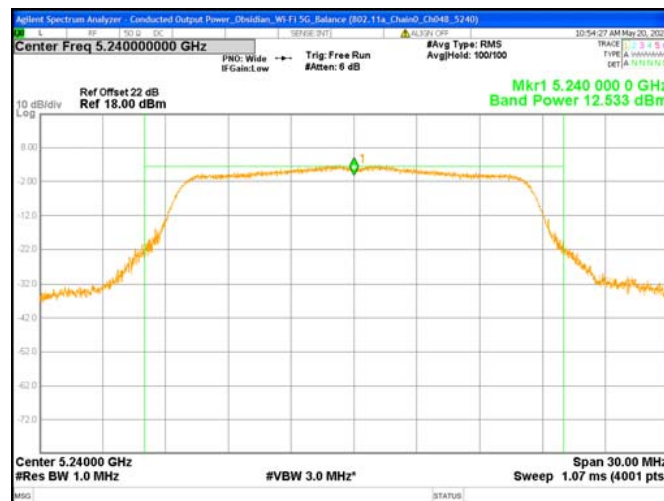
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Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch044



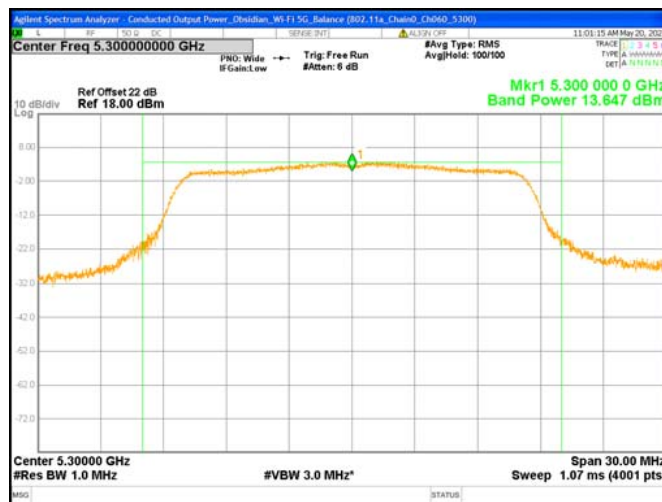
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Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch052



Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch060



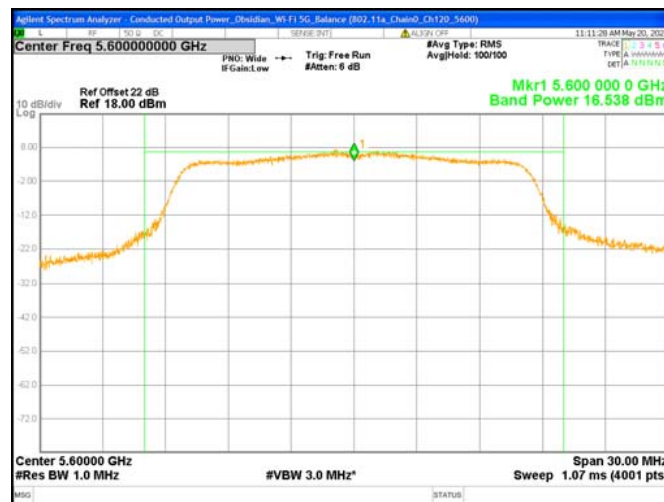
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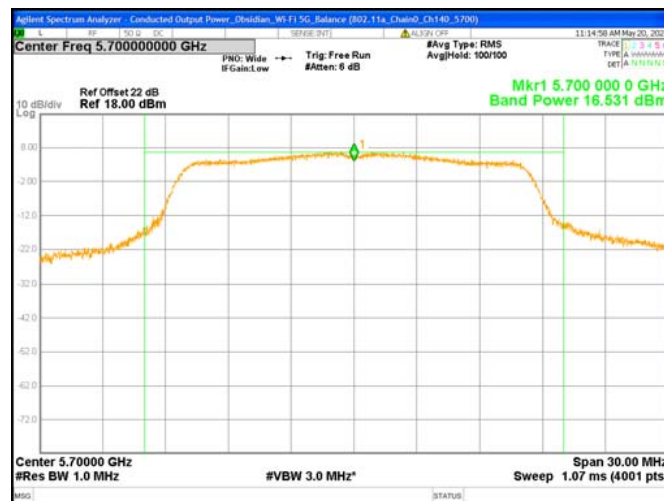
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Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch120



Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch140



Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch149



Chain0 : Conducted Power & EIRP @ 802.11a Mode Ch157



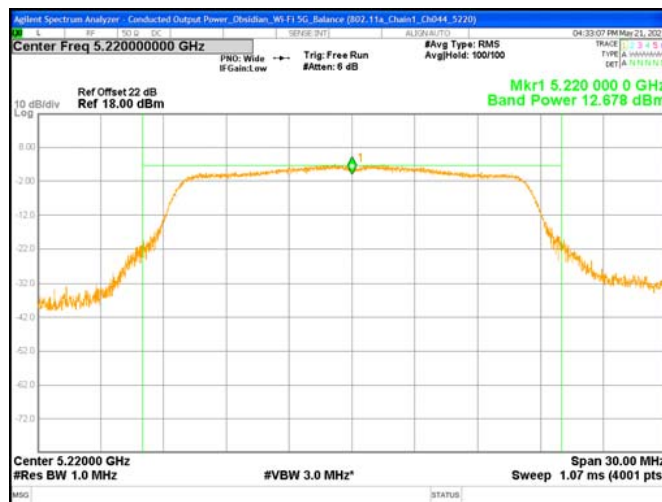
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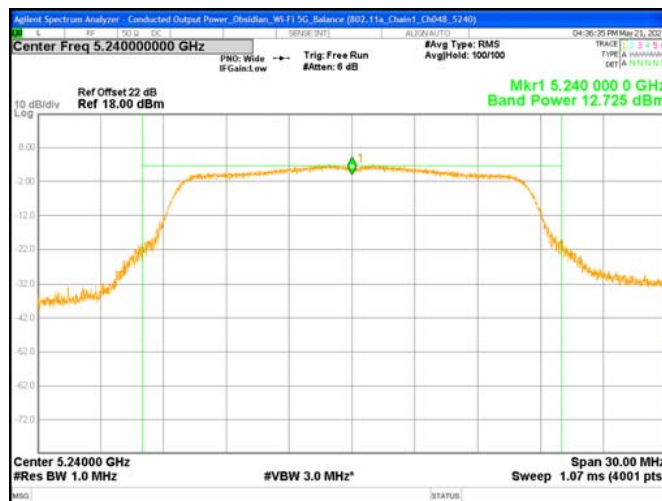
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Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch044



Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch048



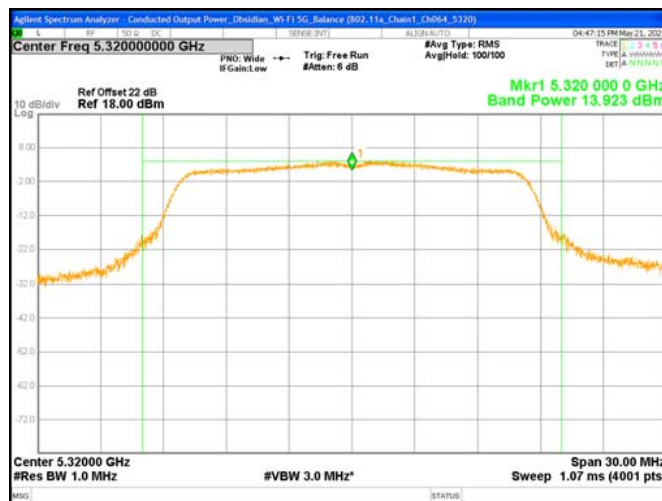
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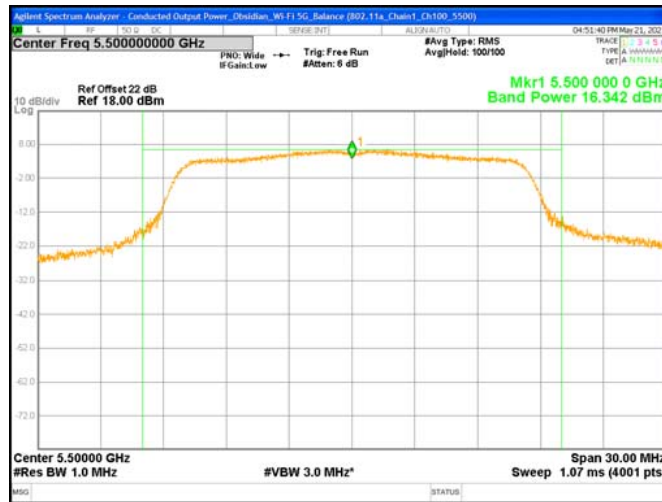
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Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch064



Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch100



Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch120



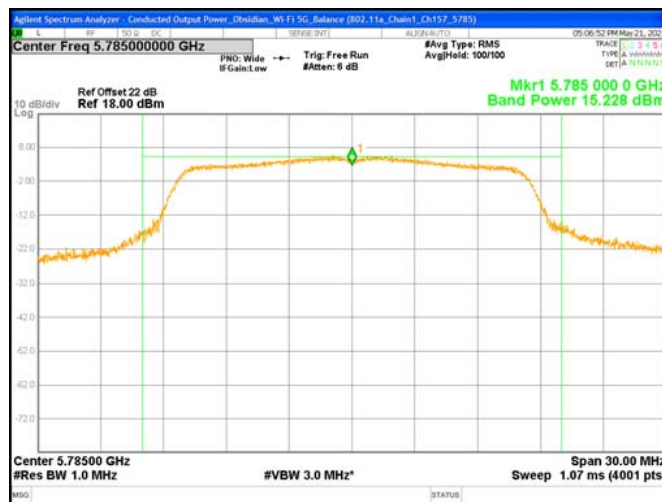
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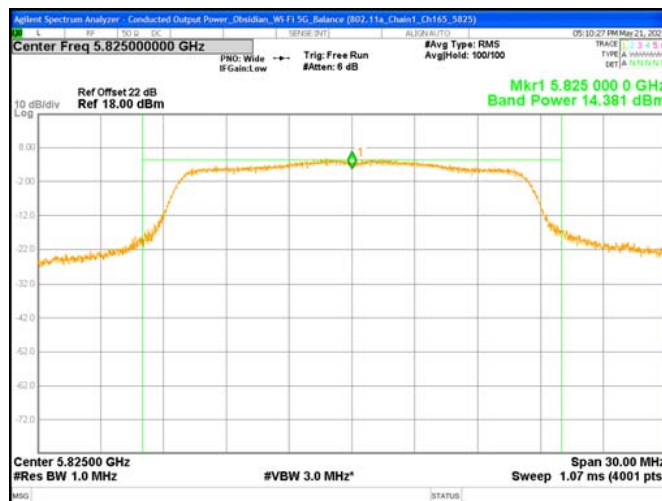
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Chain1 : Conducted Power & EIRP @ 802.11a Mode Ch157



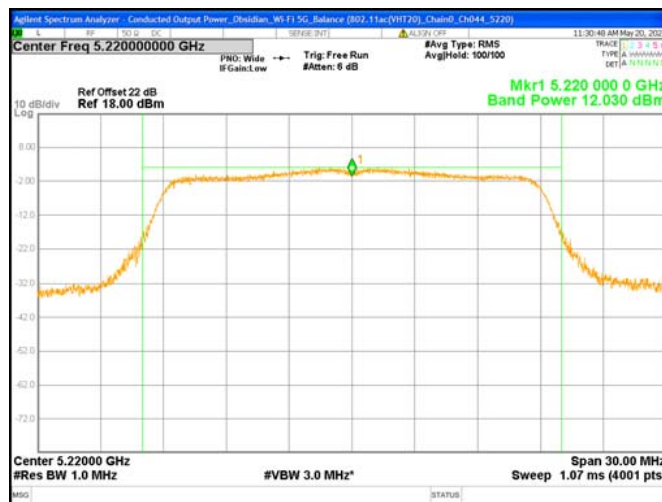
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Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch036



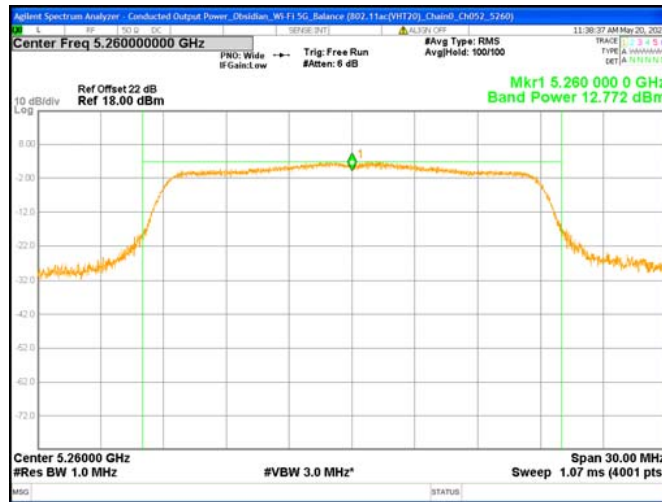
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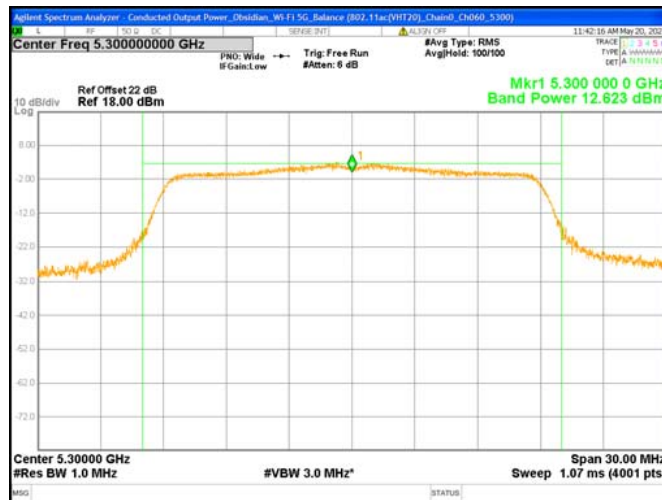
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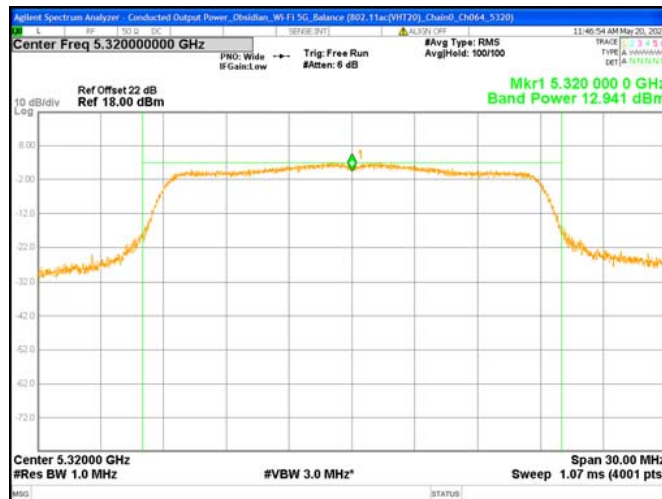
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Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch060



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch064



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch100



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch120



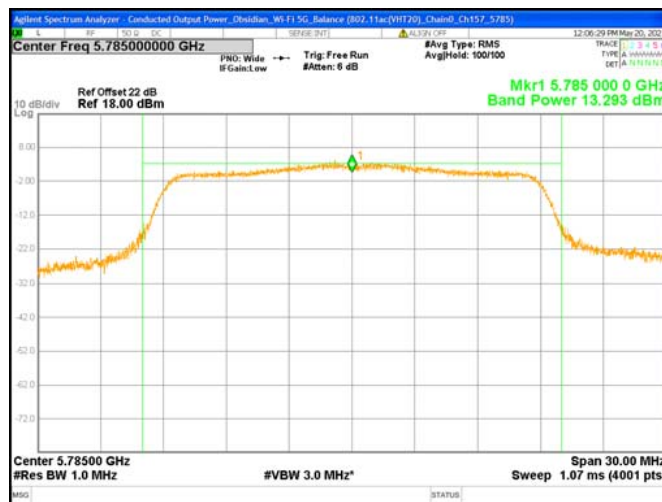
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Chain0 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch149



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



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



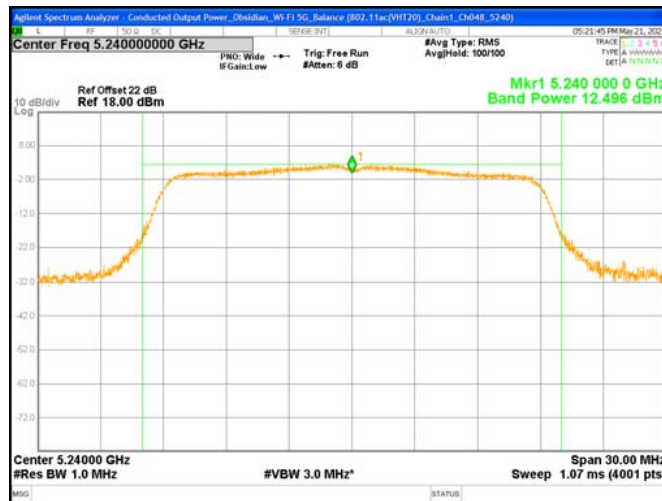
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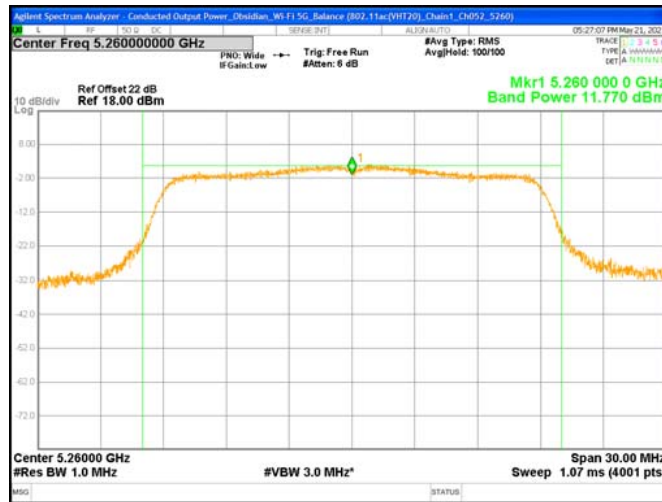
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch044



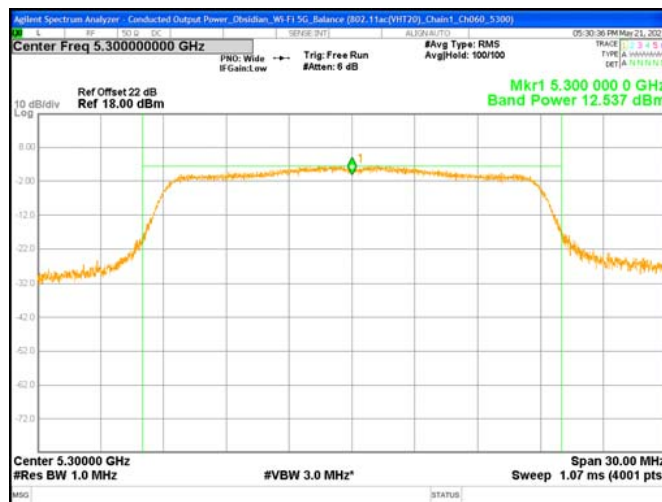
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch048



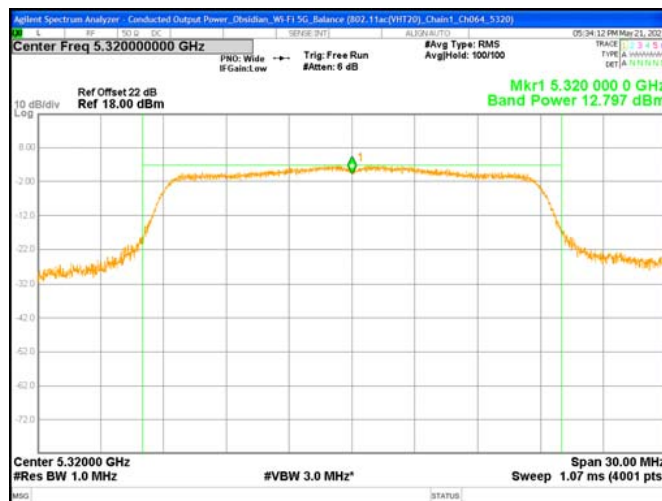
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch052



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch060



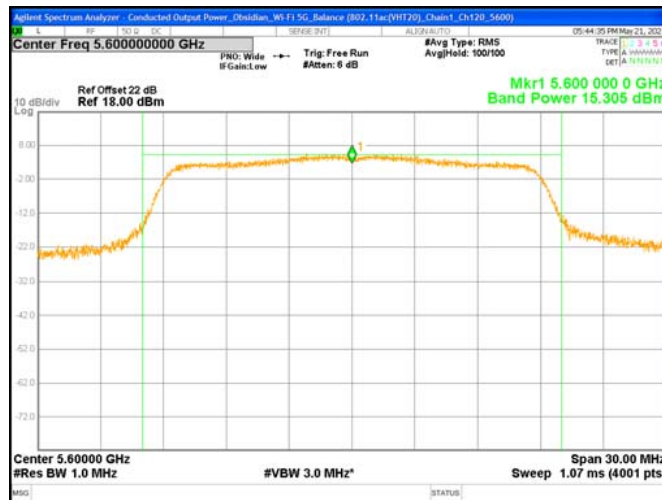
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch064



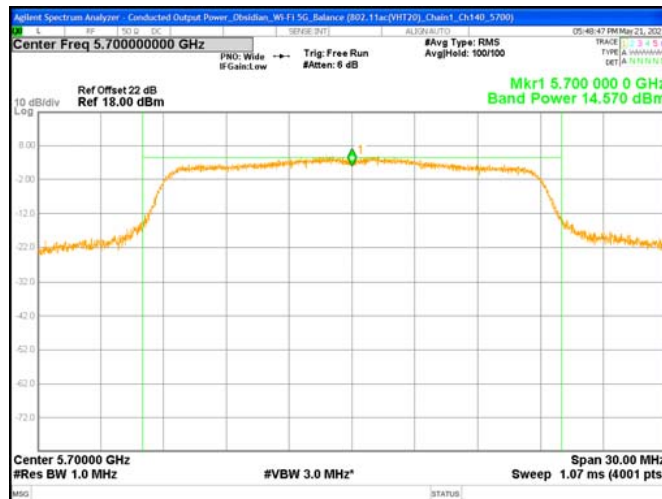
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch100



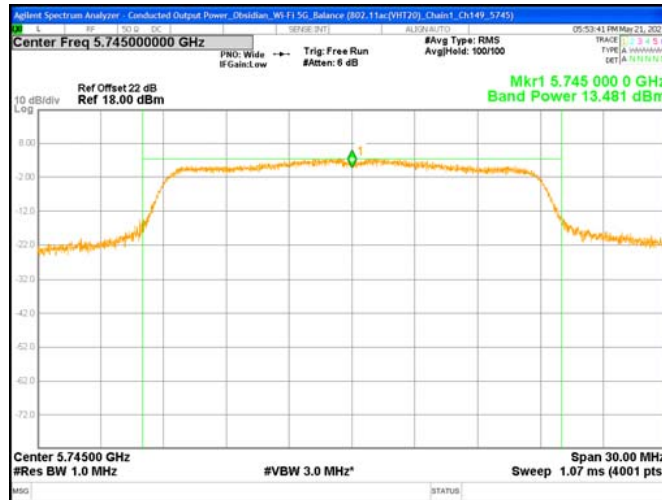
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch120



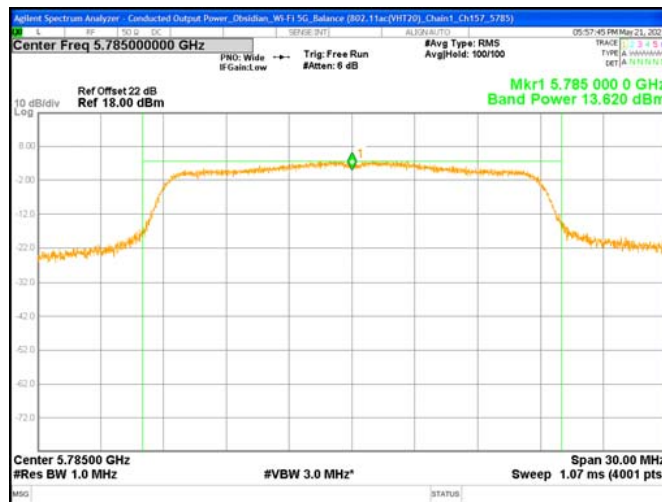
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch140



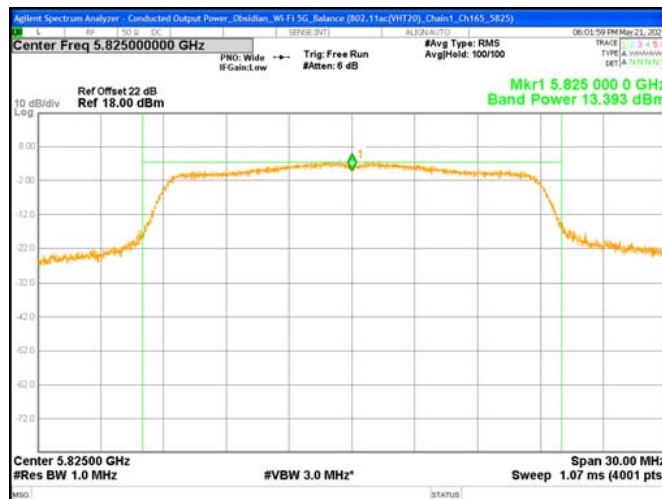
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch149



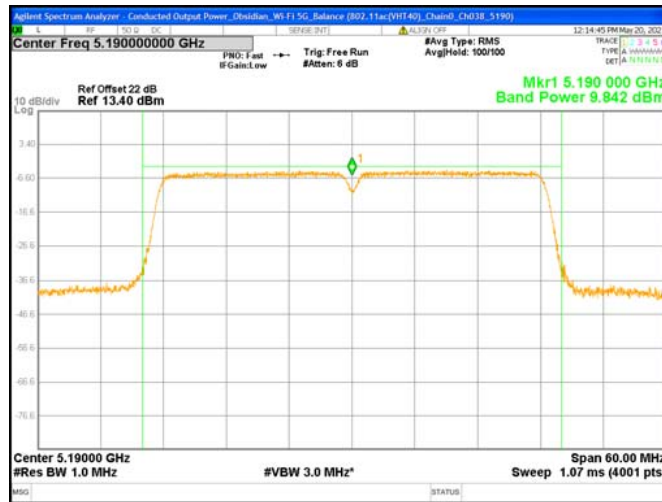
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT20) Mode Ch157



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



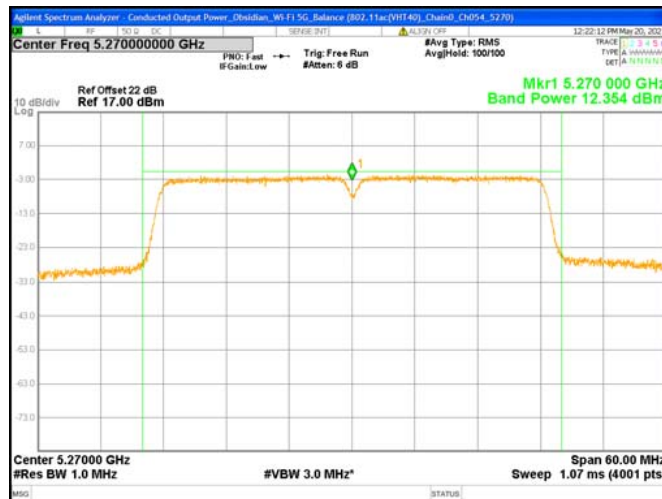
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch038



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch046



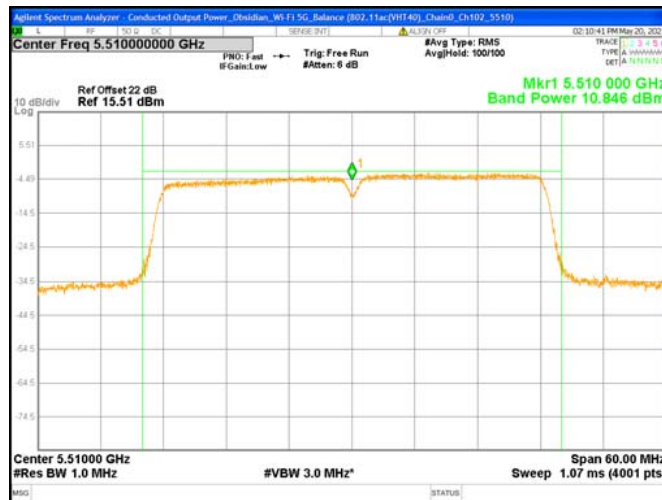
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch054



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch062



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch102



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch118



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch134



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



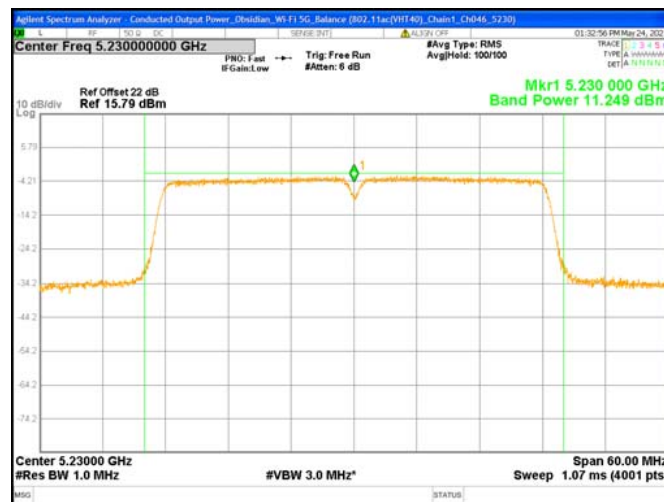
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch159



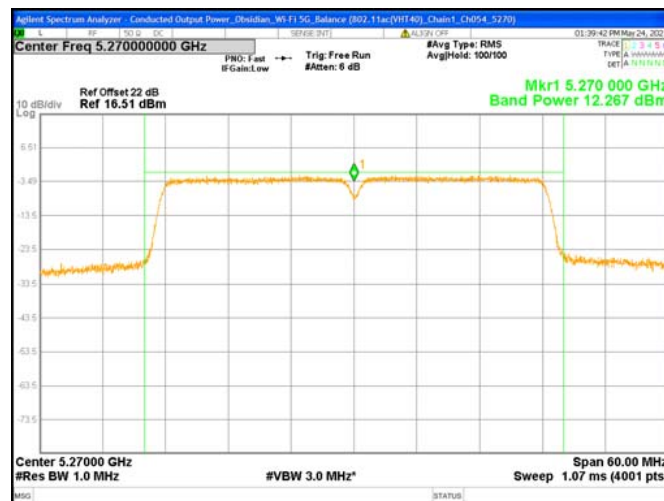
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch038



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch046



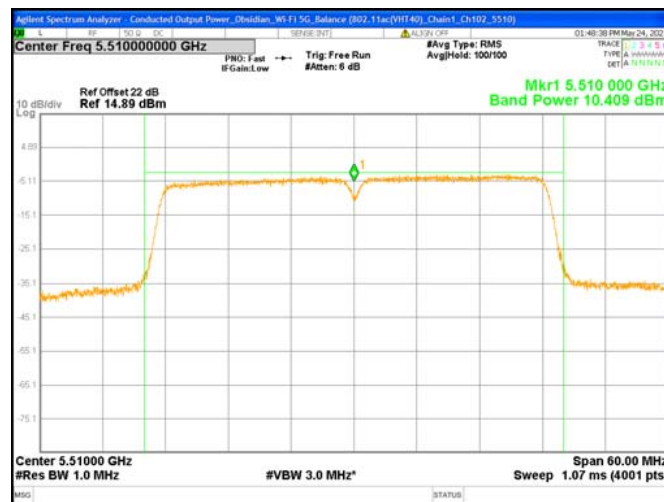
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch054



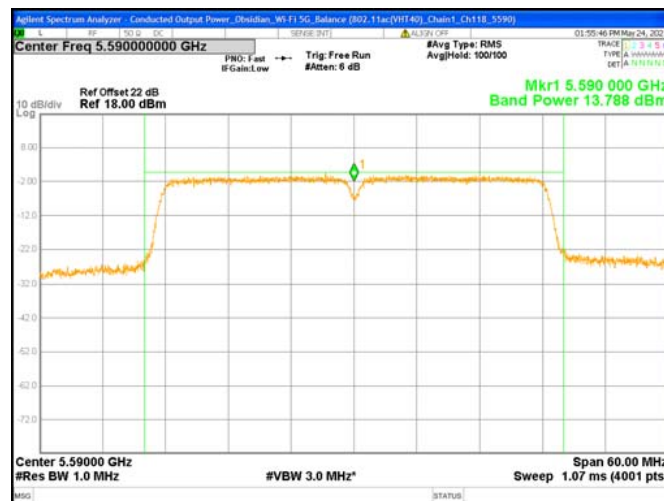
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch062



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch102



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch118



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch134



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



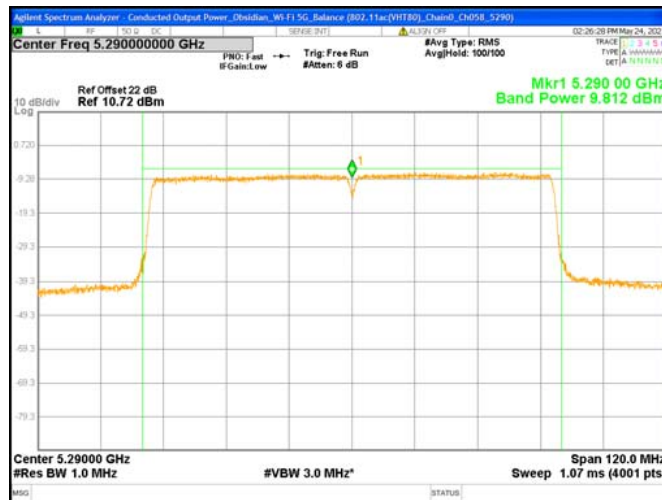
Chain1 : Conducted Power & EIRP @ 802.11ac(VHT40) Mode Ch159



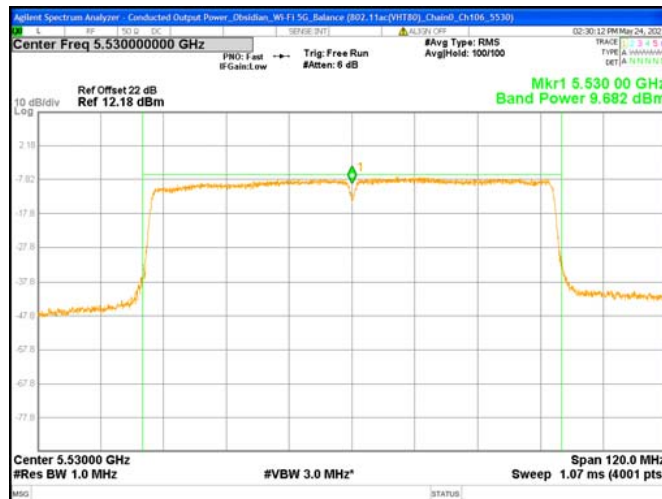
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch042



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch058



Chain0 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch106



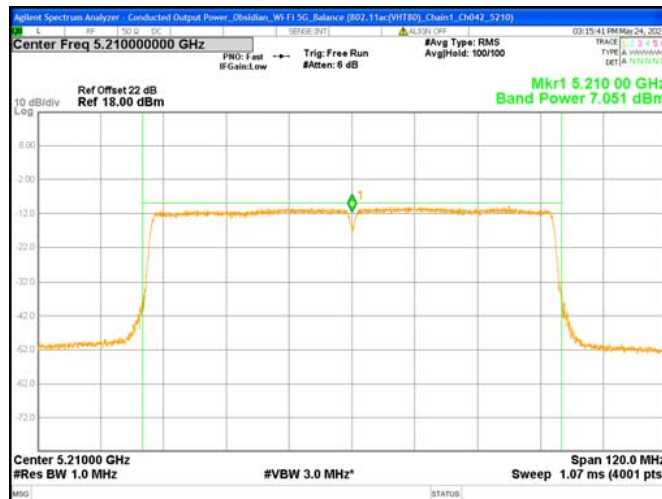
Chain0 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch122



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



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch042



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch058



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch106



Chain1 : Conducted Power & EIRP @ 802.11ac(VHT80) Mode Ch122



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



TEST REPORT

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 6 dB EBW
Attenuation	Auto
Sweep point	≥ 2 Span / RBW

3.3 Test procedure

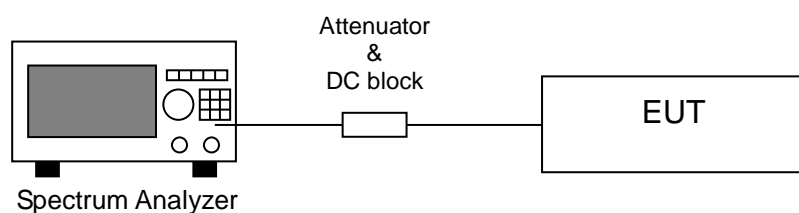
Set relevant parameter according to clause 4.3.

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 $10\log(500\text{kHz}/\text{RBW})$ to the measured result, whereas RBW ($< 500 \text{ KHz}$) 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



TEST REPORT

3.5 Test results

Temperature (°C) :	27
Relative Humidity (%) :	58
Test date :	2021/5/20 - 2021/5/24

Mode	Channel	Frequency (MHz)	PSD		Duty Factor	Result	Limit (dBm)	Margin (dB)
			(dBm)	(mW)				
802.11a Chain0	36	5180	2.22	1.67	0.31	2.53	11	-8.78
	44	5220	2.78	1.90	0.31	3.09	11	-8.22
	48	5240	3.11	2.05	0.31	3.42	11	-7.89
	52	5260	3.78	2.39	0.31	4.09	11	-7.22
	60	5300	4.17	2.61	0.31	4.48	11	-6.83
	64	5320	4.39	2.75	0.31	4.70	11	-6.61
	100	5500	6.49	4.46	0.31	6.80	11	-4.51
	120	5600	6.89	4.89	0.31	7.20	11	-4.11
	140	5700	6.97	4.98	0.31	7.28	11	-4.03
802.11a Chain1	36	5180	2.54	1.79	0.31	2.85	11	-8.46
	44	5220	2.93	1.96	0.31	3.24	11	-8.07
	48	5240	3.05	2.02	0.31	3.36	11	-7.95
	52	5260	3.22	2.10	0.31	3.53	11	-7.78
	60	5300	4.11	2.58	0.31	4.42	11	-6.89
	64	5320	4.36	2.73	0.31	4.67	11	-6.64
	100	5500	6.95	4.95	0.31	7.26	11	-4.05
	120	5600	6.72	4.70	0.31	7.03	11	-4.28
	140	5700	6.98	4.99	0.31	7.29	11	-4.02

TEST REPORT

Mode	Channel	Frequency (MHz)	RBW factor	PSD in 100kHz	PSD in 500kHz		Duty Factor	Result	Limit (dBm)	Margin (dB)
					(dBm)	(mW)				
802.11a Chain0	149	5745	-6.99	3.39	10.38	10.91	0.31	10.69	30	-19.62
	157	5785	-6.99	3.36	10.35	10.84	0.31	10.66	30	-19.65
	165	5825	-6.99	2.42	9.41	8.73	0.31	9.72	30	-20.59
802.11a Chain1	149	5745	-6.99	3.55	10.54	11.32	0.31	10.85	30	-19.46
	157	5785	-6.99	3.23	10.22	10.52	0.31	10.53	30	-19.78
	165	5825	-6.99	2.78	9.77	9.48	0.31	10.08	30	-20.23

Mode	Channel	Frequency (MHz)	PSD (dBm)		Total PSD		Duty Factor	Result (dBm)	Limit (dBm)	Margin (dB)
			chain0	chain1	mW	dBm				
802.11ac (VHT20) Chain0+1	36	5180	1.74	2.11	3.12	4.94	0.13	5.07	11.00	-5.93
	44	5220	2.43	2.70	3.61	5.58	0.13	5.71	11.00	-5.29
	48	5240	2.46	3.29	3.90	5.91	0.13	6.04	11.00	-4.96
	52	5260	2.79	1.99	3.48	5.42	0.13	5.55	11.00	-5.45
	60	5300	2.46	2.61	3.59	5.55	0.13	5.68	11.00	-5.32
	64	5320	3.61	3.18	4.38	6.41	0.13	6.54	11.00	-4.46
	100	5500	4.68	5.12	6.19	7.92	0.13	8.05	11.00	-2.95
	120	5600	5.54	5.52	7.15	8.54	0.13	8.67	11.00	-2.33
802.11ac (VHT40) Chain0+1	140	5700	6.14	4.48	6.92	8.40	0.13	8.53	11.00	-2.47
	38	5190	-4.18	-3.85	0.79	-1.00	0.38	-0.62	11.00	-11.62
	46	5230	-3.02	-3.00	1.00	0.00	0.38	0.38	11.00	-10.62
	54	5270	-1.73	-2.14	1.28	1.08	0.38	1.46	11.00	-9.54
	62	5310	-3.11	-3.70	0.92	-0.38	0.38	0.00	11.00	-11.00
	102	5510	-2.47	-3.13	1.05	0.22	0.38	0.61	11.00	-10.39
	118	5590	0.17	0.20	2.09	3.20	0.38	3.58	11.00	-7.42
802.11ac (VHT80) Chain0+1	134	5670	-0.64	-1.03	1.65	2.18	0.38	2.56	11.00	-8.44
	42	5210	-9.45	-10.10	0.21	-6.75	0.21	-6.54	11.00	-17.54
	58	5290	-7.43	-7.09	0.38	-4.25	0.21	-4.03	11.00	-15.03
	106	5530	-7.10	-6.89	0.40	-3.98	0.21	-3.77	11.00	-14.77
	122	5610	-3.29	-3.62	0.90	-0.44	0.21	-0.23	11.00	-11.23

TEST REPORT

Mode	Channel	Frequency (MHz)	PSD (dBm)		Total PSD		RBW factor	PSD in 500kHz (dBm)	Duty Factor	Result (dBm)	Limit (dBm)	Margin (dB)
			chain0	chain1	mW	dBm						
802.11ac (VHT20) Chain0+1	149	5745	1.30	1.32	2.70	4.32	6.99	11.31	0.13	11.44	30.00	-18.56
	157	5785	1.33	1.39	2.74	4.37	6.99	11.36	0.13	11.49	30.00	-18.51
	165	5825	0.57	1.63	2.60	4.14	6.99	11.13	0.13	11.27	30.00	-18.73
802.11ac (VHT40) Chain0+1	151	5755	-3.08	-4.13	0.88	-0.56	6.99	6.43	0.38	6.81	30.00	-23.19
	159	5795	-3.37	-4.27	0.83	-0.79	6.99	6.20	0.38	6.59	30.00	-23.41
802.11ac (VHT80) Chain0+1	155	5775	-8.54	-8.22	0.29	-5.37	6.99	1.62	0.21	1.84	30.00	-28.16

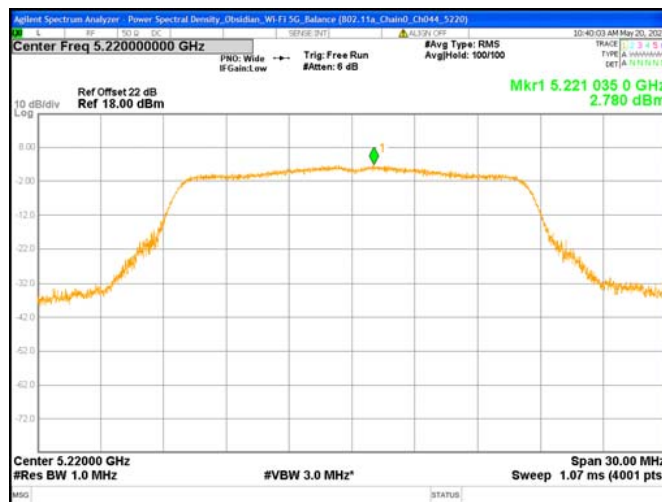
Result=Total Power+Duty Factor

Note : RBW Correction in 5725~5850MHz :
 $10\log(500\text{kHz}/100\text{kHz})$

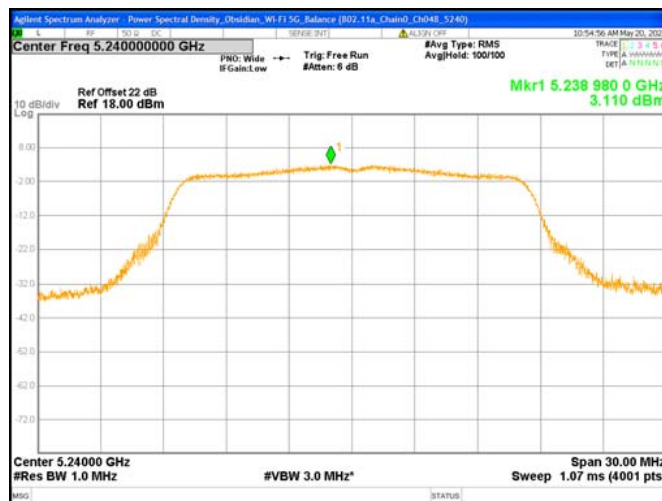
Chain0 : Power Spectral Density @ 802.11a Mode Ch036



Chain0 : Power Spectral Density @ 802.11a Mode Ch044



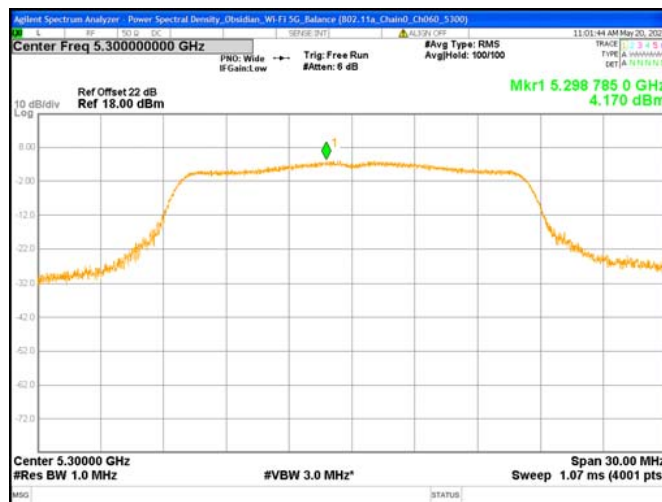
Chain0 : Power Spectral Density @ 802.11a Mode Ch048



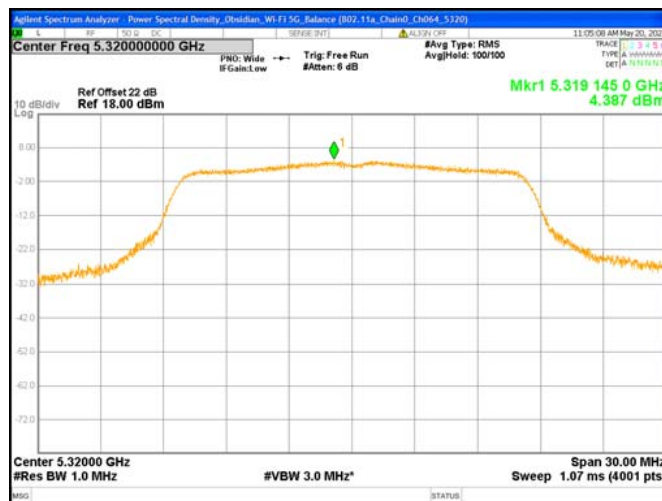
Chain0 : Power Spectral Density @ 802.11a Mode Ch052



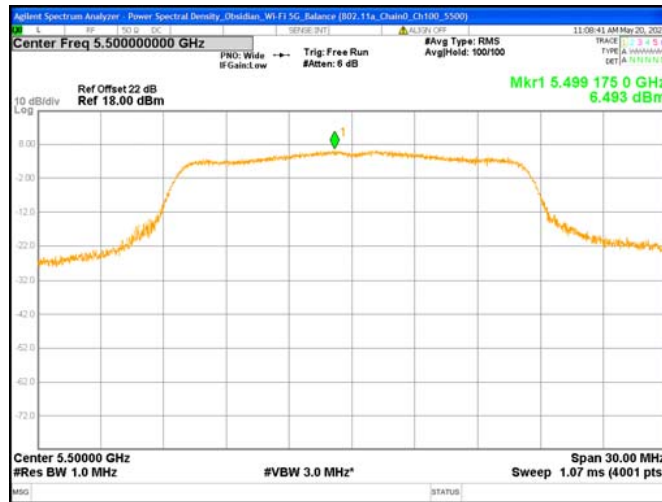
Chain0 : Power Spectral Density @ 802.11a Mode Ch060



Chain0 : Power Spectral Density @ 802.11a Mode Ch064



Chain0 : Power Spectral Density @ 802.11a Mode Ch100



Chain0 : Power Spectral Density @ 802.11a Mode Ch120



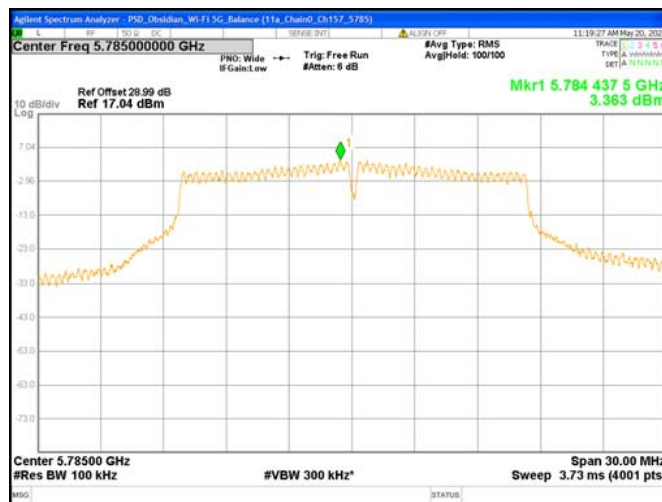
Chain0 : Power Spectral Density @ 802.11a Mode Ch140



Chain0 : Power Spectral Density @ 802.11a Mode Ch149



Chain0 : Power Spectral Density @ 802.11a Mode Ch157



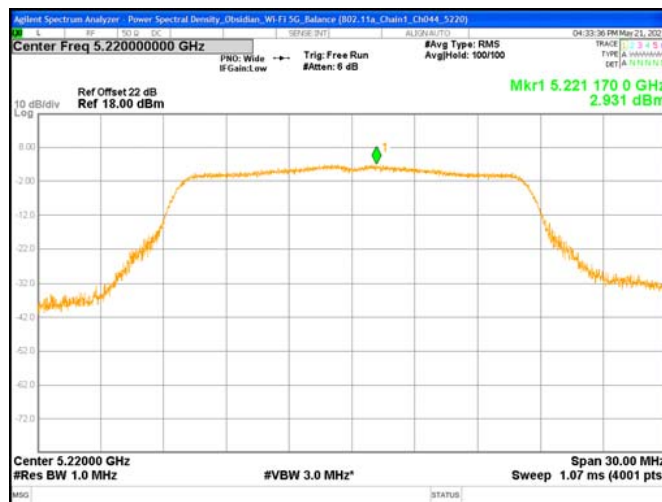
Chain0 : Power Spectral Density @ 802.11a Mode Ch165



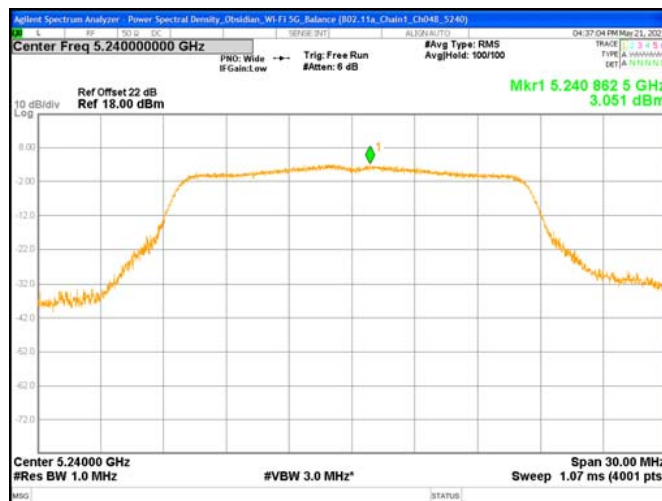
Chain1 : Power Spectral Density @ 802.11a Mode Ch036



Chain1 : Power Spectral Density @ 802.11a Mode Ch044



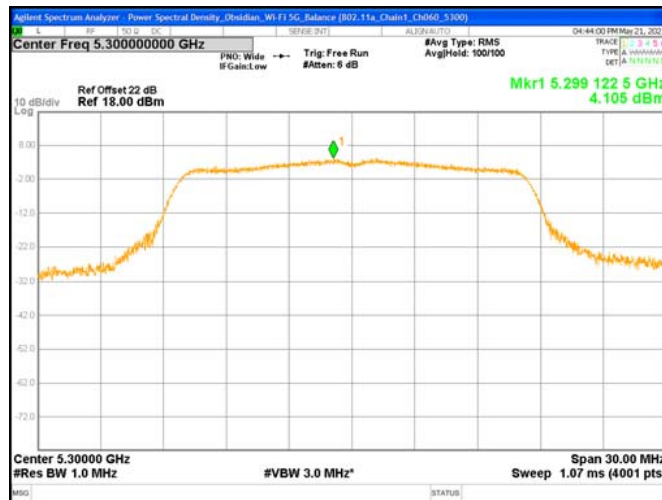
Chain1 : Power Spectral Density @ 802.11a Mode Ch048



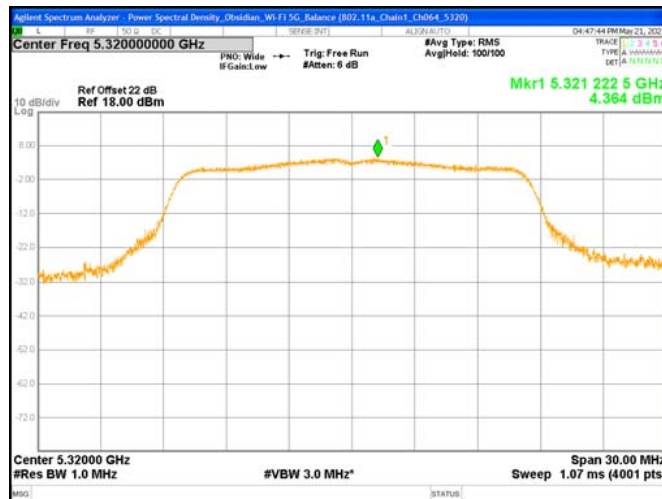
Chain1 : Power Spectral Density @ 802.11a Mode Ch052



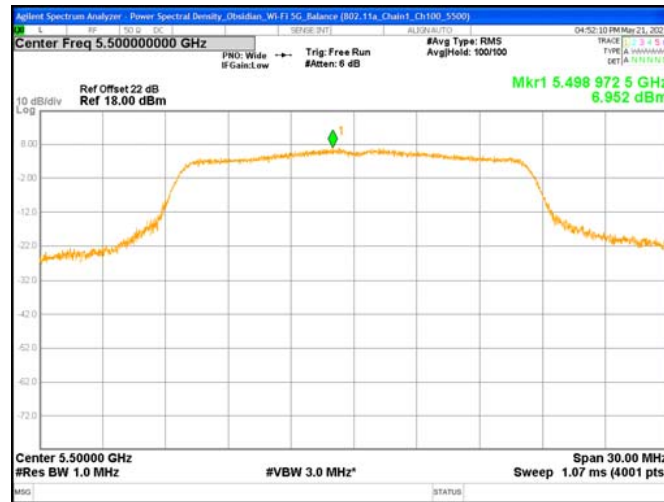
Chain1 : Power Spectral Density @ 802.11a Mode Ch060



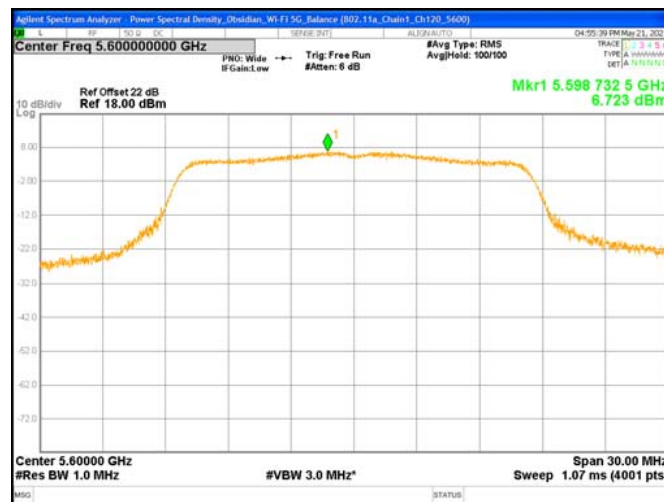
Chain1 : Power Spectral Density @ 802.11a Mode Ch064



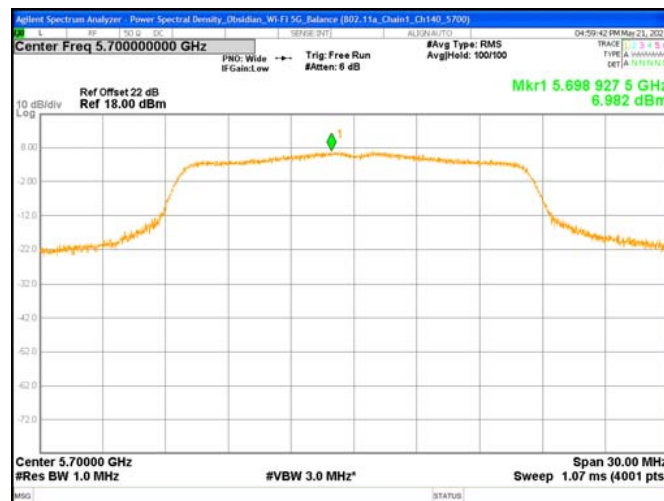
Chain1 : Power Spectral Density @ 802.11a Mode Ch100



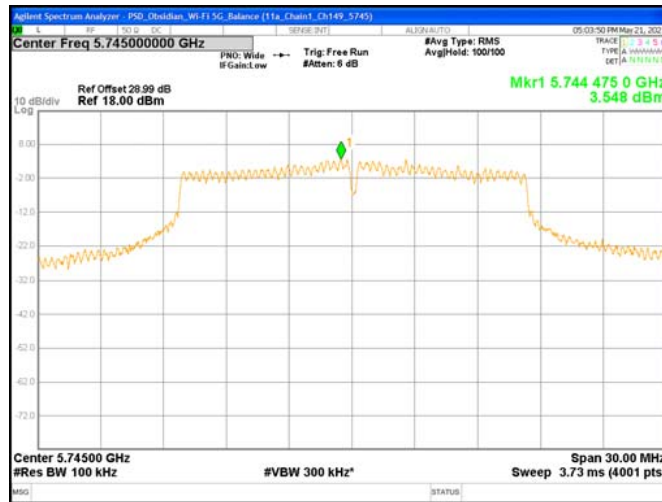
Chain1 : Power Spectral Density @ 802.11a Mode Ch120



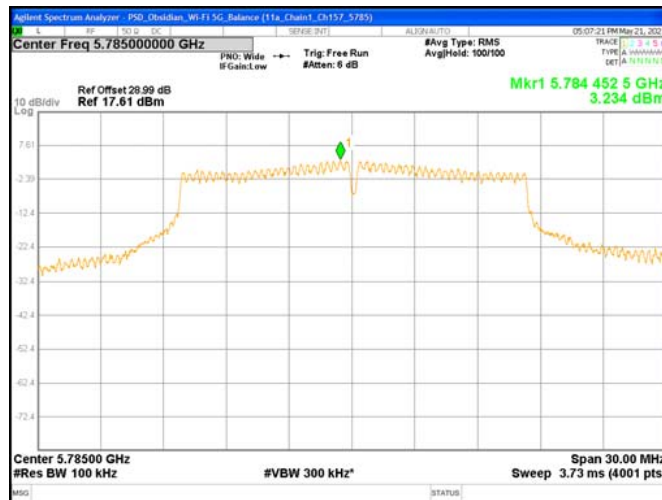
Chain1 : Power Spectral Density @ 802.11a Mode Ch140



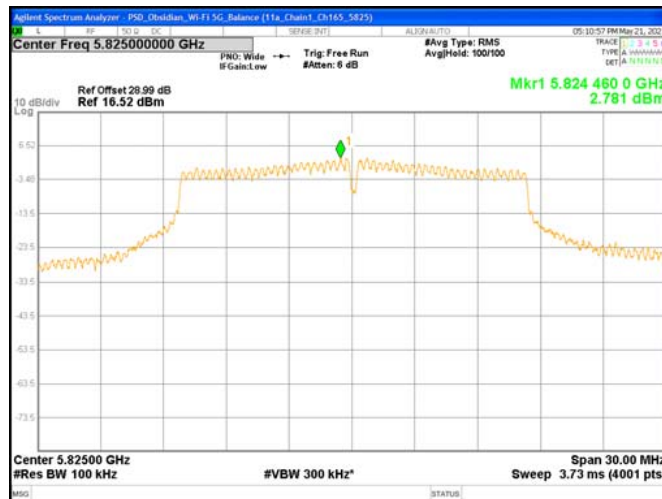
Chain1 : Power Spectral Density @ 802.11a Mode Ch149



Chain1 : Power Spectral Density @ 802.11a Mode Ch157



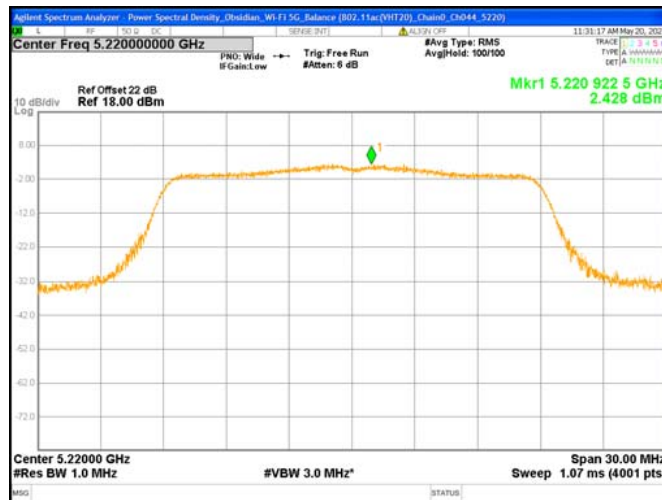
Chain1 : Power Spectral Density @ 802.11a Mode Ch165



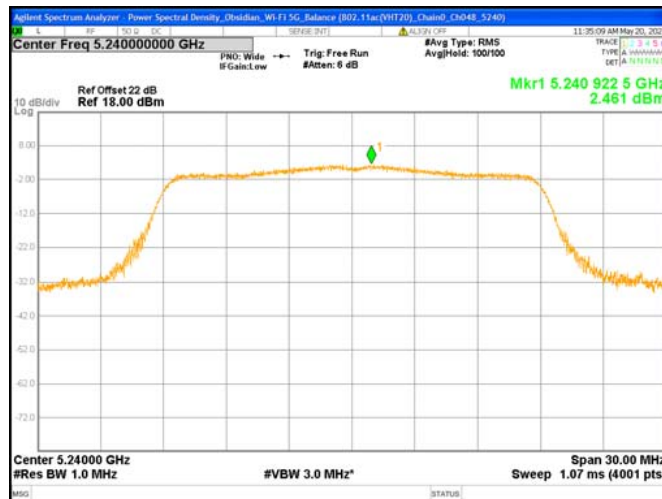
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch036



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch044



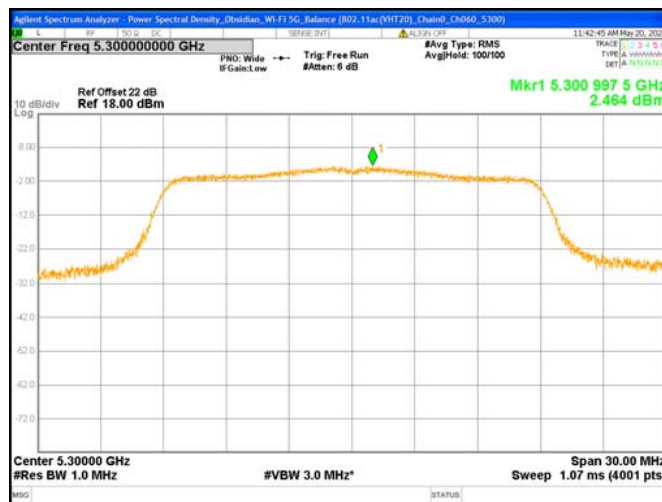
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch048



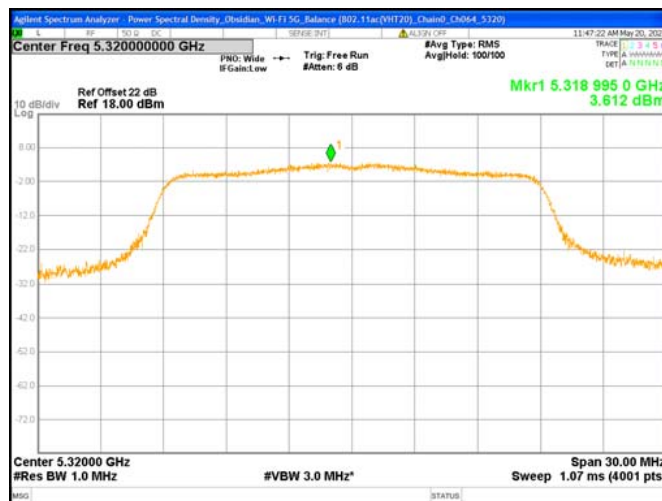
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch052



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch060



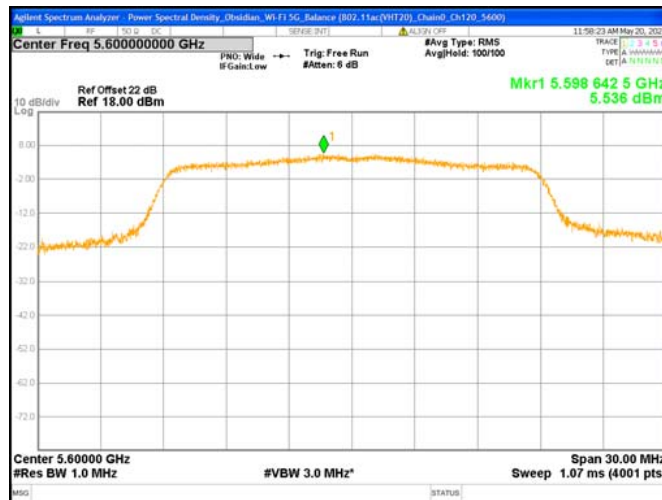
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch064



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch100



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch120



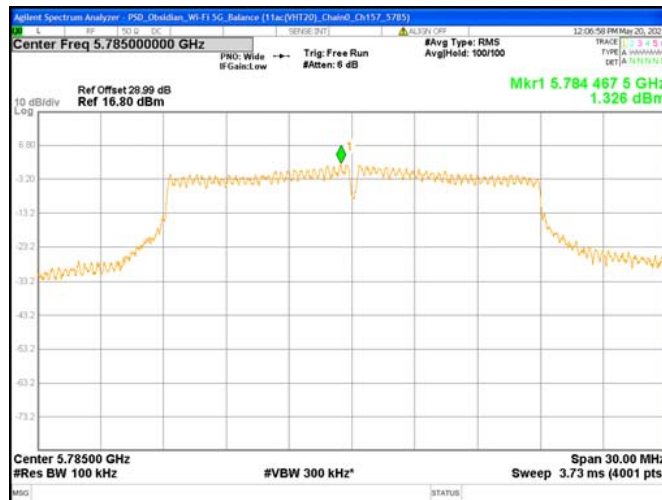
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch140



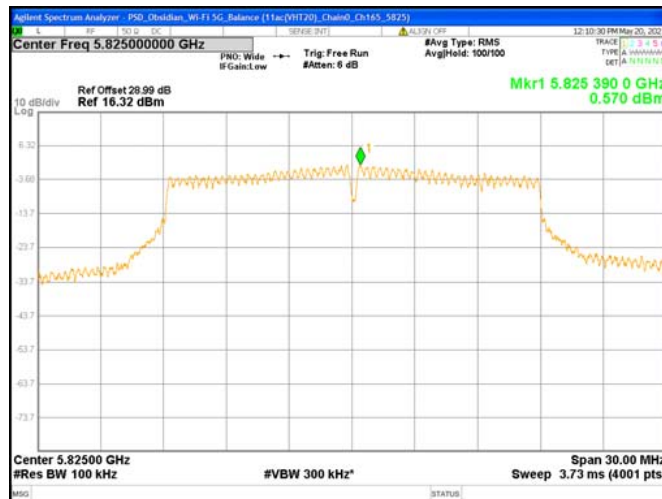
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch149



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



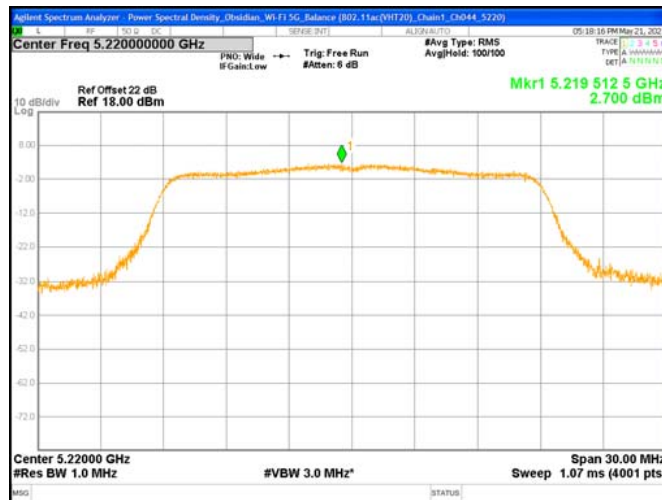
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch165



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch036



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch044



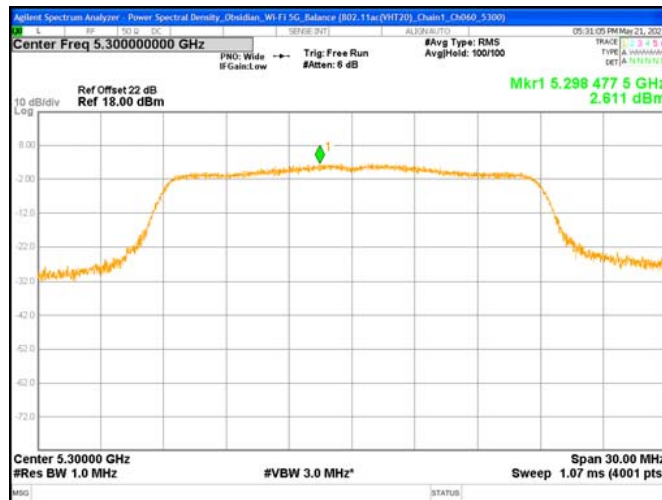
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch048



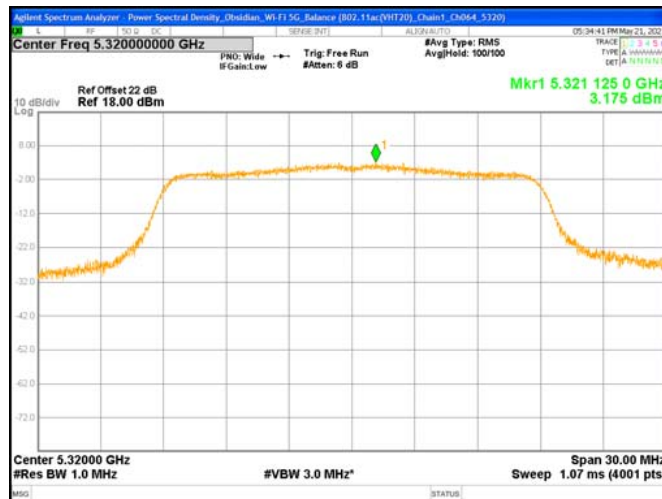
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch052



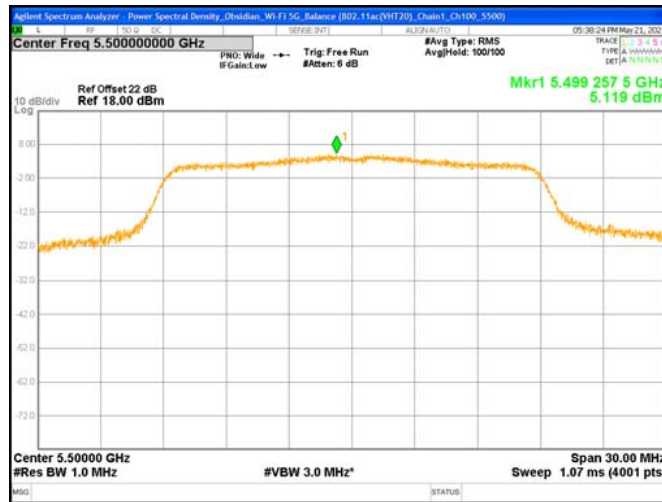
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch060



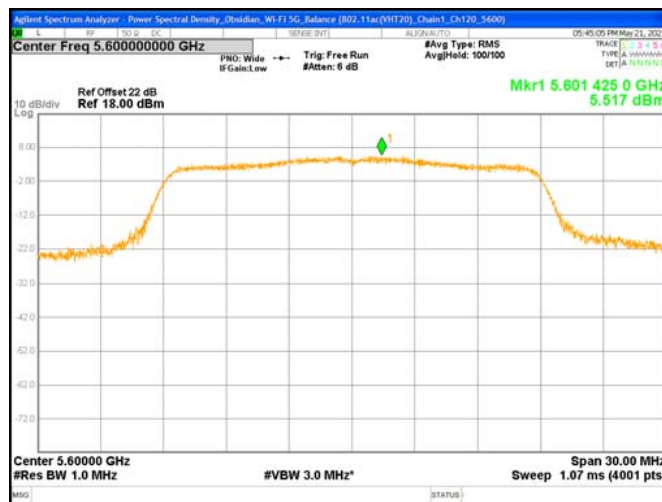
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch064



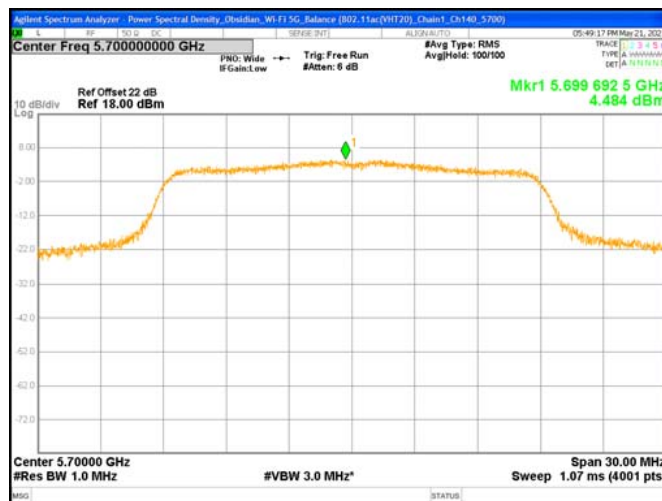
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch100



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch120



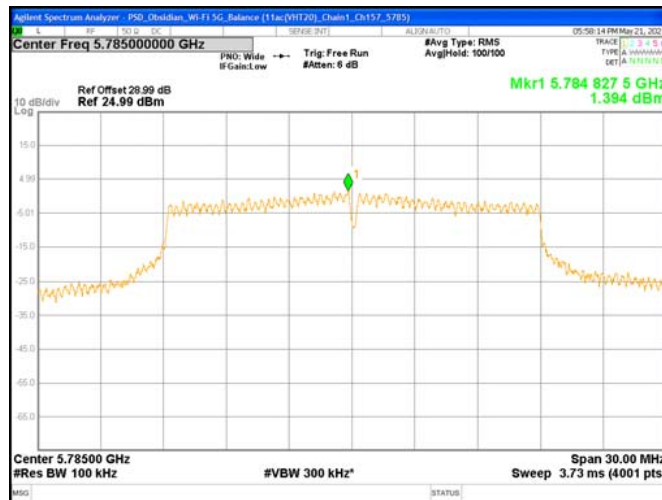
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch140



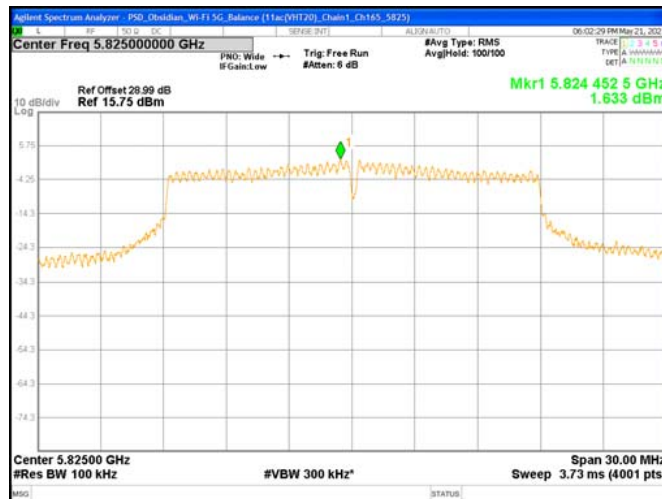
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch149



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



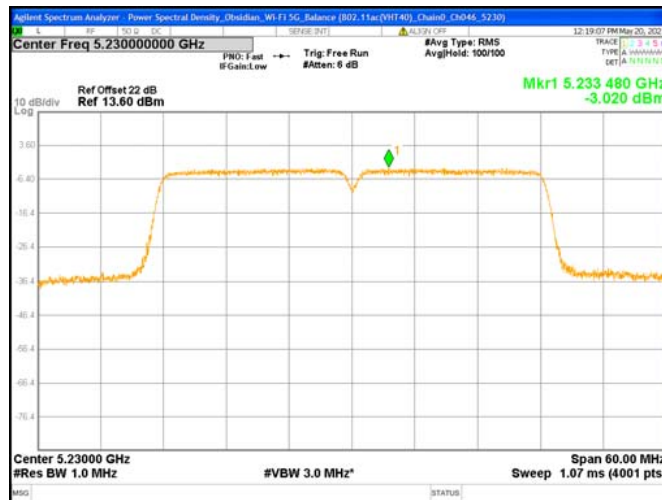
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch165



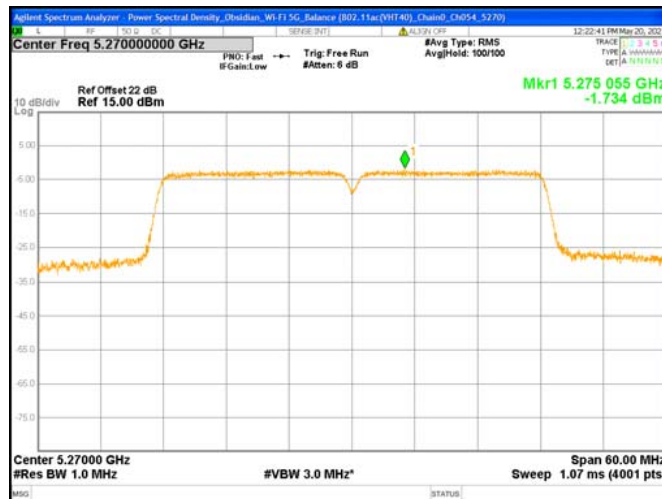
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch038



Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch046



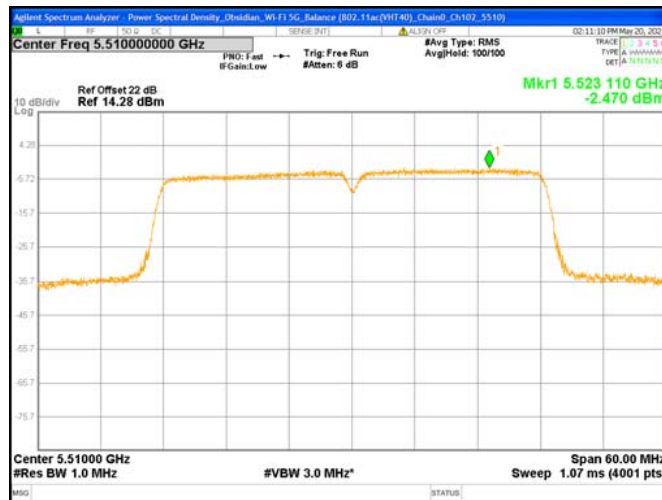
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch054



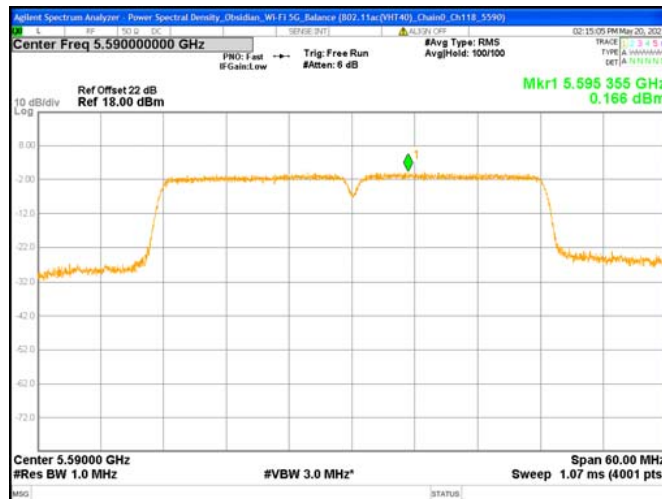
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch062



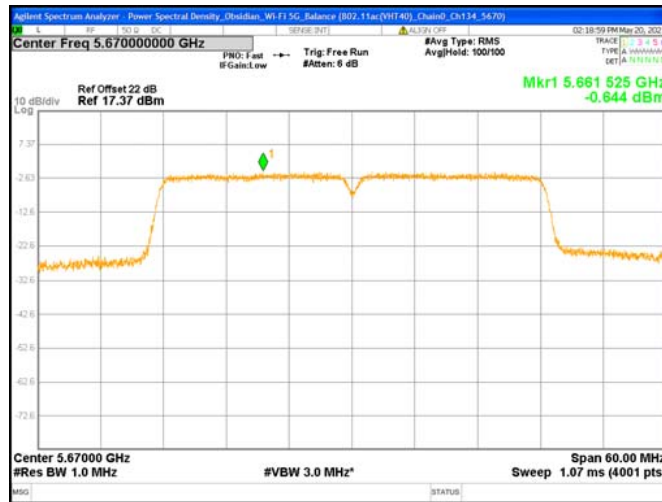
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch102



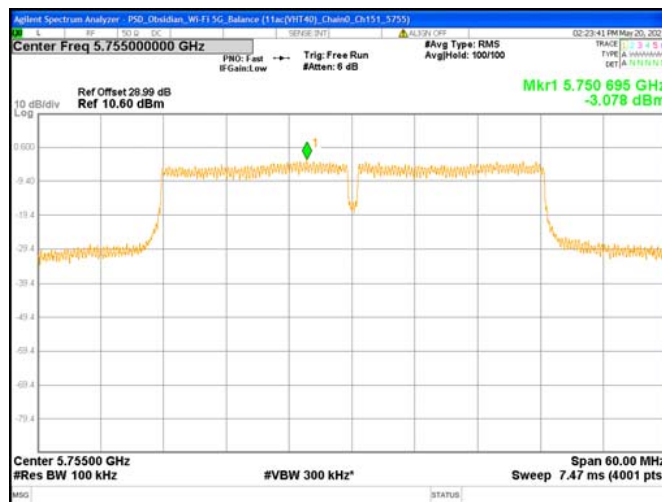
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch118



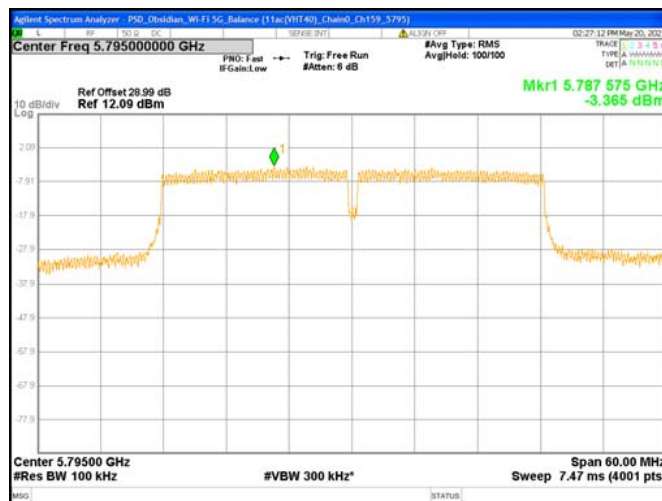
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch134



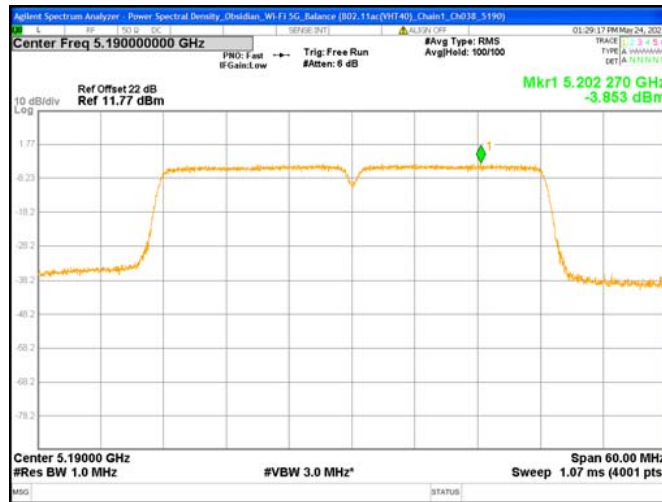
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch151



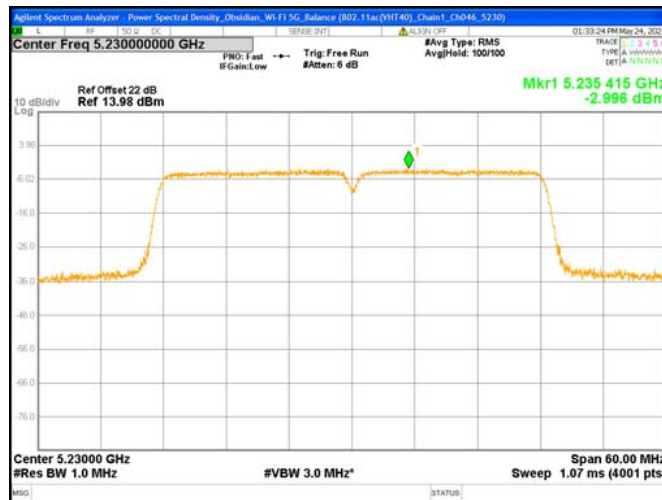
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch159



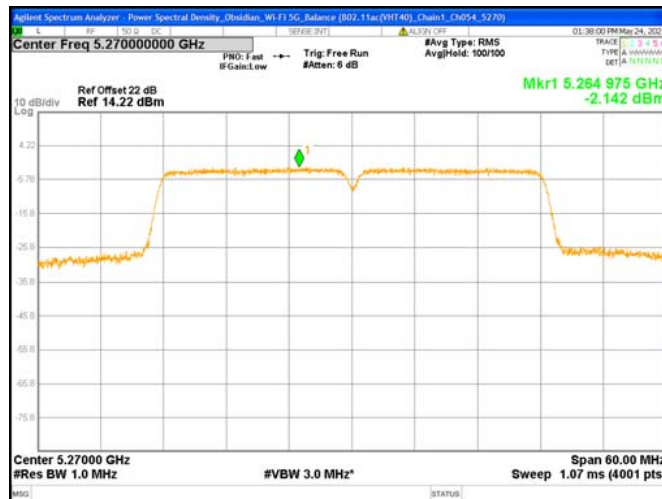
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch038



Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch046



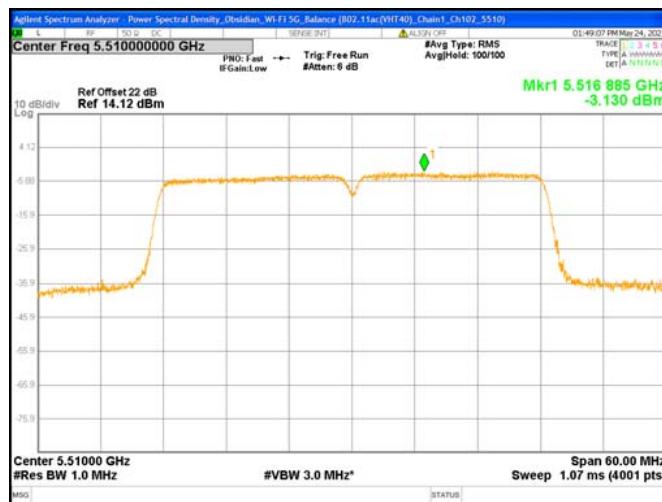
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch054



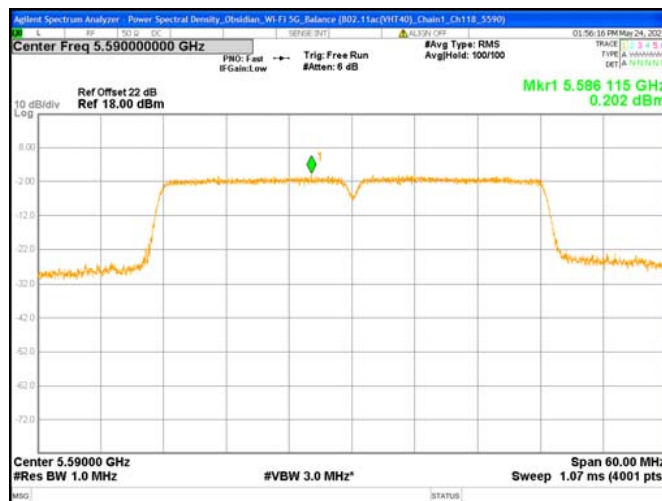
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch062



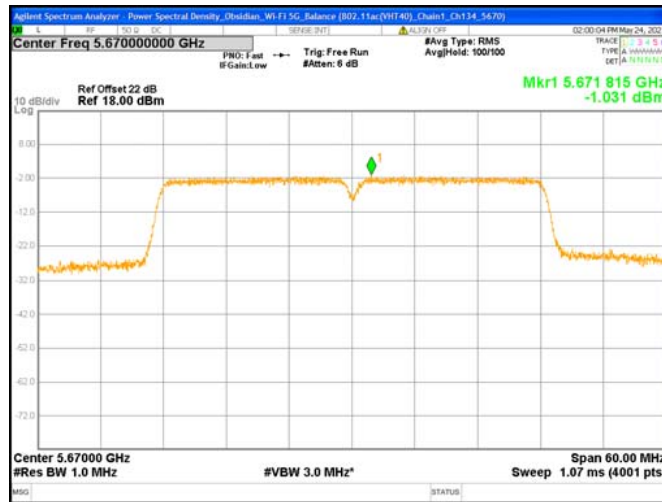
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch102



Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch118



Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch134



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



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

