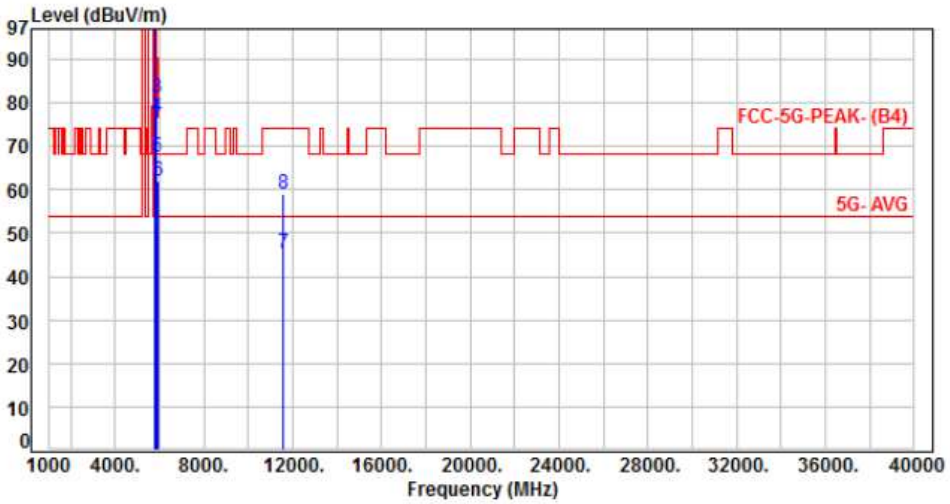
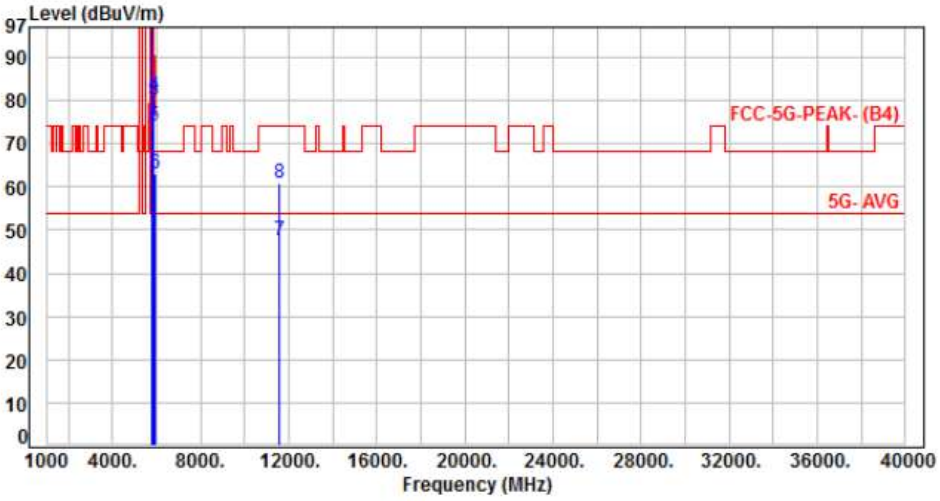
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 4, CH159		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	5.18	98.33	103.51	200.00	-96.49	Average	229	15	P
2	5795.00	5.18	110.67	115.85	200.00	-84.15	Peak	229	15	P
3	5850.00	5.21	75.78	80.99	122.20	-41.21	Peak	229	15	P
4	5855.00	5.23	71.34	76.57	110.80	-34.23	Peak	229	15	P
5	5875.00	5.31	62.27	67.58	105.20	-37.62	Peak	229	15	P
6	5925.00	5.49	56.32	61.81	68.20	-6.39	Peak	229	15	P
7	11590.00	13.55	31.94	45.49	54.00	-8.51	Average	100	162	P
8	11590.00	13.55	45.46	59.01	74.00	-14.99	Peak	100	162	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

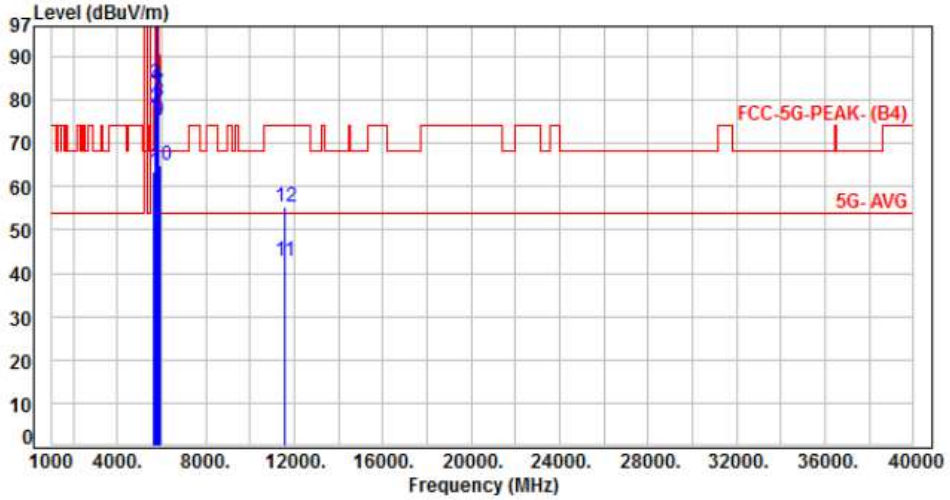
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 4, CH159		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	5.18	101.41	106.59	200.00	-93.41	Average	208	264	P
2	5795.00	5.18	113.26	118.44	200.00	-81.56	Peak	208	264	P
3	5850.00	5.21	74.85	80.06	122.20	-42.14	Peak	208	264	P
4	5855.00	5.23	75.91	81.14	110.80	-29.66	Peak	208	264	P
5	5875.00	5.31	68.70	74.01	105.20	-31.19	Peak	208	264	P
6	5925.00	5.49	57.45	62.94	68.20	-5.26	Peak	208	264	P
7	11590.00	13.55	34.08	47.63	54.00	-6.37	Average	100	102	P
8	11590.00	13.55	47.18	60.73	74.00	-13.27	Peak	100	102	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

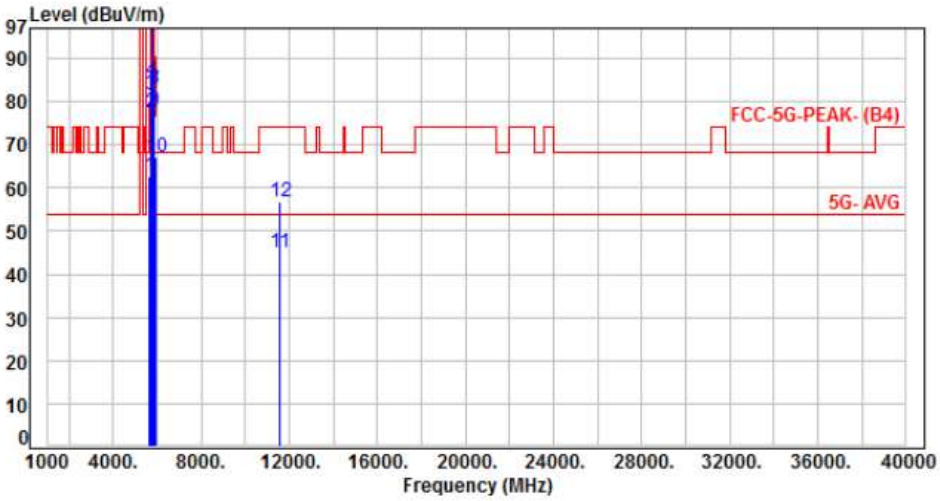
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 4, CH155		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.09	58.50	63.59	68.20	-4.61	Peak	181	35	P
2	5700.00	5.12	73.22	78.34	105.20	-26.86	Peak	181	35	P
3	5720.00	5.13	78.57	83.70	110.80	-27.10	Peak	181	35	P
4	5725.00	5.14	78.15	83.29	122.20	-38.91	Peak	181	35	P
5	5775.00	5.16	95.32	100.48	200.00	-99.52	Average	181	35	P
6	5775.00	5.16	105.59	110.75	200.00	-89.25	Peak	181	35	P
7	5850.00	5.21	76.46	81.67	122.20	-40.53	Peak	181	35	P
8	5855.00	5.23	74.33	79.56	110.80	-31.24	Peak	181	35	P
9	5875.00	5.31	70.08	75.39	105.20	-29.81	Peak	181	35	P
10	5925.00	5.49	59.36	64.85	68.20	-3.35	Peak	181	35	P
11	11550.00	13.44	29.39	42.83	54.00	-11.17	Average	100	43	P
12	11550.00	13.44	41.96	55.40	74.00	-18.60	Peak	100	43	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 4, CH155		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.09	57.63	62.72	68.20	-5.48	Peak	213	263	P
2	5700.00	5.12	72.27	77.39	105.20	-27.81	Peak	213	263	P
3	5720.00	5.13	76.51	81.64	110.80	-29.16	Peak	213	263	P
4	5725.00	5.14	79.62	84.76	122.20	-37.44	Peak	213	263	P
5	5775.00	5.16	99.11	104.27	200.00	-95.73	Average	213	263	P
6	5775.00	5.16	108.32	113.48	200.00	-86.52	Peak	213	263	P
7	5850.00	5.21	77.44	82.65	122.20	-39.55	Peak	213	263	P
8	5855.00	5.23	77.83	83.06	110.80	-27.74	Peak	213	263	P
9	5875.00	5.31	72.38	77.69	105.20	-27.51	Peak	213	263	P
10	5925.00	5.49	61.63	67.12	68.20	-1.08	Peak	213	263	P
11	11550.00	13.44	31.42	44.86	54.00	-9.14	Average	102	108	P
12	11550.00	13.44	43.28	56.72	74.00	-17.28	Peak	102	108	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

6.7. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.150
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

**: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

7. On Time, Duty Cycle and Measurement methods

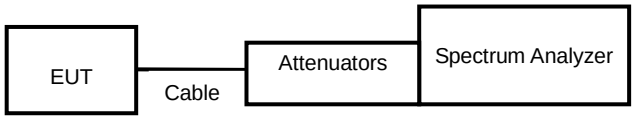
7.1. Test Limit

None; for reporting purposes only.

7.2. Test Procedure

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.3. Test Setup Layout



7.4. Test Result and Data

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	2.06	2.18	94.81%
802.11ac VHT20	1.93	1.96	98.47%
802.11ac VHT40	0.95	0.98	96.91%
802.11ac VHT80	0.46	0.49	94.07%

7.5. Measurement Methods

26 dB and 6dB Emission BW	KDB 789033 D02 v02r01, Section C
99% Occupied BW	KDB 789033 D02 v02r01, Section D
Conducted Output Power	KDB 789033 D02 v02r01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v02r01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02 v02r01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 D02 v02r01, Sections G and H

Modulation Type: 802.11a (6Mbps)

Modulation Type: 802.11ac VHT80 (29.3Mbps)

Modulation Type: 802.11ac VHT20 (6.5Mbps)

Modulation Type: 802.11ac VHT40 (13.5Mbps)

8. 6dB Bandwidth & 99% Occupied Bandwidth

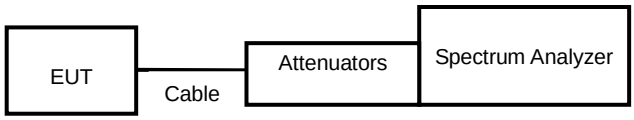
8.1. Test Limit

FCC §15.407
The minimum 6 dB bandwidth shall be at least 500 kHz.

8.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW set to100KHz, the VBW >= 3 x RBW, peak detector and max hold.

8.3. Test Setup Layout



8.4. Test Result and Data (6dB Bandwidth)

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth(MHz)			Minimum Limit (MHz)
			ANT A	ANT B	ANT C	
11a	149	5745	16.32	16.32	16.05	0.50
11a	157	5785	16.32	16.35	16.05	0.50
11a	165	5825	16.32	16.32	16.26	0.50
11ac VHT20	149	5745	17.61	17.55	16.95	0.50
11ac VHT20	157	5785	17.61	17.58	17.31	0.50
11ac VHT20	165	5825	17.58	17.55	17.28	0.50
11ac VHT40	151	5755	36.36	36.30	36.30	0.50
11ac VHT40	159	5795	36.36	36.30	36.30	0.50
11ac VHT80	155	5775	75.72	75.12	75.36	0.50

8.5. Test Result and Data (99% Occupied Bandwidth)

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)		
			ANT A	ANT B	ANT C
11a	149	5745	20.98	18.08	18.94
11a	157	5785	21.14	18.31	19.77
11a	165	5825	21.13	18.30	20.03
11ac VHT20	149	5745	21.09	18.83	19.21
11ac VHT20	157	5785	21.20	18.90	19.50
11ac VHT20	165	5825	21.42	19.13	19.77
11ac VHT40	151	5755	38.08	37.10	37.48
11ac VHT40	159	5795	38.24	37.29	37.63
11ac VHT80	155	5775	76.14	75.94	76.05

6dB Bandwidth
ANT A

Modulation Type: 802.11a (6Mbps)
CH149

Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149

CH157

CH157

CH165

CH165

6dB Bandwidth
ANT A

Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151

Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155

CH159

6dB Bandwidth
ANT B

Modulation Type: 802.11a (6Mbps)
CH149

Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149

CH157

CH157

CH165

CH165

6dB Bandwidth
ANT B

Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151

Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155

CH159

6dB Bandwidth
ANT C

Modulation Type: 802.11a (6Mbps)
CH149

Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149

CH157

CH157

CH165

CH165

6dB Bandwidth
ANT C

Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151

Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155

CH159

99% Occupied Bandwidth
ANT A

Modulation Type: 802.11a (6Mbps)
CH149

Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149

CH157

CH157

CH165

CH165

99% Occupied Bandwidth
ANT A

Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151

Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155

CH159

99% Occupied Bandwidth
ANT B

Modulation Type: 802.11a (6Mbps)
CH149

Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149

CH157

CH157

CH165

CH165

99% Occupied Bandwidth
ANT B

Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151

Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155

CH159

99% Occupied Bandwidth
ANT C

Modulation Type: 802.11a (6Mbps)
CH149

Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149

CH157

CH157

CH165

CH165

99% Occupied Bandwidth
ANT C

Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151

Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155

CH159

9. 26dB Bandwidth & 99% Occupied Bandwidth

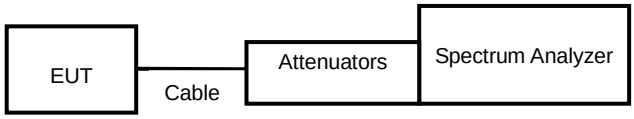
9.1. Test Limit

None; for reporting purposes only.

9.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW = approximately 1% of the emission bandwidth, the VBW >= 3 x RBW, peak detector and max hold.

9.3. Test Setup Layout



9.4. Test Result and Data (26dB Bandwidth)

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)		
			ANT A	ANT B	ANT C
11a	36	5180	20.30	20.33	20.37
11a	40	5200	20.30	20.20	20.26
11a	48	5240	20.25	20.33	20.46
11ac VHT20	36	5180	20.35	20.80	21.76
11ac VHT20	40	5200	20.39	20.49	20.67
11ac VHT20	48	5240	20.60	20.73	21.68
11ac VHT40	38	5190	40.51	40.71	41.01
11ac VHT40	46	5230	50.92	54.33	63.16
11ac VHT80	42	5210	82.00	82.19	82.57

9.5. Test Result and Data (99% Occupied Bandwidth)

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)		
			ANT A	ANT B	ANT C
11a	36	5180	16.76	16.78	16.90
11a	40	5200	16.79	16.80	16.93
11a	48	5240	16.79	16.80	16.90
11ac VHT20	36	5180	17.75	17.81	17.91
11ac VHT20	40	5200	17.77	17.82	17.94
11ac VHT20	48	5240	17.76	17.84	17.96
11ac VHT40	38	5190	36.58	36.57	36.64
11ac VHT40	46	5230	36.68	36.69	36.83
11ac VHT80	42	5210	75.67	75.72	75.77

26dB Bandwidth Band 1
ANT A

Modulation Type: 802.11a (6Mbps)
CH36

802.11ac VHT20 (6.5Mbps)
CH36

CH40

CH40

CH48

CH48

26dB Bandwidth Band 1

ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42

CH46

26dB Bandwidth Band 1
ANT B

Modulation Type: 802.11a (6Mbps)
CH36

802.11ac VHT20 (6.5Mbps)
CH36

CH40

CH40

CH48

CH48

26dB Bandwidth Band 1

ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42

CH46

26dB Bandwidth Band 1
ANT C

Modulation Type: 802.11a (6Mbps)
CH36

802.11ac VHT20 (6.5Mbps)
CH36

CH40

CH40

CH48

CH48

26dB Bandwidth Band 1

ANT C

Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42

CH46

99% Bandwidth Band 1
ANT A

Modulation Type: 802.11a (6Mbps)
CH36

802.11ac VHT20 (6.5Mbps)
CH36

CH40

CH40

CH48

CH48

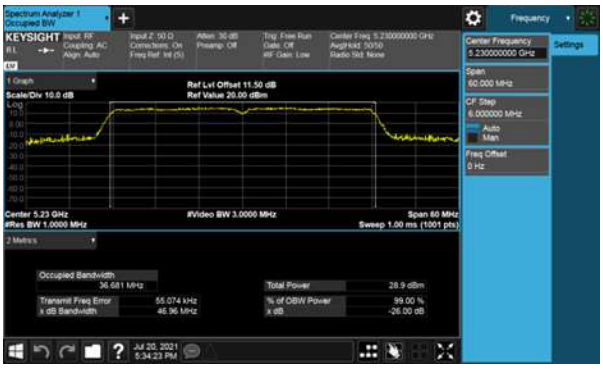
99% Bandwidth Band 1

ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42

CH46



99% Bandwidth Band 1
ANT B

Modulation Type: 802.11a (6Mbps)
CH36

802.11ac VHT20 (6.5Mbps)
CH36

CH40

CH40

CH48

CH48

99% Bandwidth Band 1

ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42

CH46

99% Bandwidth Band 1
ANT C

Modulation Type: 802.11a (6Mbps)
CH36

802.11ac VHT20 (6.5Mbps)
CH36

CH40

CH40

CH48

CH48

99% Bandwidth Band 1

ANT C

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42

CH46

10. Average Power

10.1. Test Limit

Output Power:

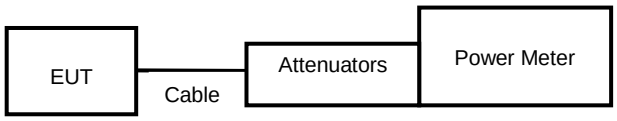
Frequency Band			Limit
☒	5.15~5.25GHz		
	Operating Mode		
	☐	Outdoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30degrees as measured from the horizon must not exceed125 mW (21 dBm).
	☒	Indoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
	☐	Fixed point-to-point access points	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
	☐	client devices	The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Frequency Band		Limit
☐	5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
☐	5.470-5.725 GHz	
☒	5.725~5.85 GHz	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

10.2.Test Procedure

The transmitter output is connected to a power meter.
The cable assembly insertion loss of 11.5 dB (including 10 dB pad and 1.5 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

10.3.Test Setup Layout



10.4.Test Result and Data

In the 5.2G Band

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)			Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A(AJ1)	ANT B(AJ2)	ANT C(AJ6)			
11a	6 Mbps	80	36	5180	17.77	18.47	18.83	23.15	206.532	29.80
11a	6 Mbps	83	40	5200	18.75	19.49	20.11	24.26	266.475	29.80
11a	6 Mbps	81	48	5240	18.00	19.04	19.45	23.64	231.368	29.80
11n HT20	MCS 0	84	36	5180	18.90	19.67	20.13	24.37	273.346	29.80
11n HT20	MCS 0	82	40	5200	18.53	19.06	19.59	23.85	242.814	29.80
11n HT20	MCS 0	83	48	5240	18.75	19.53	20.01	24.23	264.963	29.80
11n HT40	MCS 0	79	38	5190	16.99	17.61	17.80	22.25	167.936	29.80
11n HT40	MCS 0	90	46	5230	20.24	21.10	21.17	25.63	365.425	29.80
11ac VHT20	NSS1-MCS0	84	36	5180	18.93	19.69	20.17	24.40	275.266	29.80
11ac VHT20	NSS1-MCS0	82	40	5200	18.56	19.09	19.61	23.88	244.287	29.80
11ac VHT20	NSS1-MCS0	83	48	5240	18.78	19.57	20.04	24.27	267.008	29.80
11ac VHT40	NSS1-MCS0	79	38	5190	17.01	17.63	17.84	22.28	168.991	29.80
11ac VHT40	NSS1-MCS0	90	46	5230	20.28	21.13	21.20	25.66	368.203	29.80
11ac VHT80	NSS1-MCS0	74	42	5210	16.28	17.04	17.31	21.67	146.871	29.80

In the 5.8G Band

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)			Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A(AJ1)	ANT B(AJ2)	ANT C(AJ6)			
11a	6 Mbps	100	149	5745	22.40	24.16	23.08	28.05	637.631	29.80
11a	6 Mbps	100	157	5785	22.13	24.16	23.03	27.96	624.830	29.80
11a	6 Mbps	100	165	5825	22.14	24.07	22.73	27.83	606.451	29.80
11n HT20	MCS 0	100	149	5745	22.37	24.24	22.98	28.04	636.654	29.80
11n HT20	MCS 0	100	157	5785	22.12	24.16	22.78	27.88	613.216	29.80
11n HT20	MCS 0	100	165	5825	22.12	24.11	22.61	27.80	602.951	29.80
11n HT40	MCS 0	100	151	5755	21.78	23.21	22.04	27.16	520.028	29.80
11n HT40	MCS 0	100	159	5795	21.47	23.32	21.89	27.07	509.590	29.80
11ac VHT20	NSS1-MCS0	100	149	5745	22.40	24.28	23.02	**28.08**	642.144	29.80
11ac VHT20	NSS1-MCS0	100	157	5785	22.14	24.19	22.80	27.90	616.650	29.80
11ac VHT20	NSS1-MCS0	100	165	5825	22.15	24.15	22.64	27.84	607.729	29.80
11ac VHT40	NSS1-MCS0	100	151	5755	21.80	23.23	22.08	27.19	523.170	29.80
11ac VHT40	NSS1-MCS0	100	159	5795	21.50	23.34	21.91	27.09	512.267	29.80
11ac VHT80	NSS1-MCS0	90	155	5775	19.89	21.64	20.51	25.51	355.841	29.80

11. Power Spectral Density

11.1.Test Limit

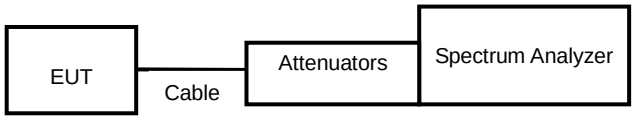
PSD:

Frequency Band			Limit
☒	5.15~5.25GHz		
	Operating Mode		
	☐	Outdoor access point	17 dBm/MHz
	☒	Indoor access point	17 dBm/MHz
	☐	Fixed point-to-point access points	17 dBm/MHz
	☐	Mobile and portable client devices	11 dBm/MHz
☐	5.725~5.85 GHz		11 dBm/MHz
☐	5.470-5.725 GHz		11 dBm/MHz
☒	5.725~5.85 GHz		30 dBm/500kHz

11.2.Test Procedure

Reference to KDB789033 D02 General UNII Test Procedures New Rules v02r01

11.3.Test Setup Layout



11.4. Test Result and Data

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)			Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B	ANT C				
11a	36	5180	7.83	7.76	7.78	12.56	0.23	12.79	13.09
11a	40	5200	7.34	7.63	8.71	12.71	0.23	12.94	13.09
11a	48	5240	7.22	7.56	8.41	12.53	0.23	12.76	13.09
11ac VHT20	36	5180	7.61	7.85	8.66	12.84	0.00	12.84	13.09
11ac VHT20	40	5200	7.45	7.56	8.19	12.52	0.00	12.52	13.09
11ac VHT20	48	5240	7.64	8.07	8.73	12.94	0.00	12.94	13.09
11ac VHT40	38	5190	2.89	3.28	3.71	8.08	0.14	8.22	13.09
11ac VHT40	46	5230	6.07	6.61	6.86	11.30	0.14	11.44	13.09
11ac VHT80	42	5210	-0.86	-0.81	-0.25	4.14	0.27	4.41	13.09

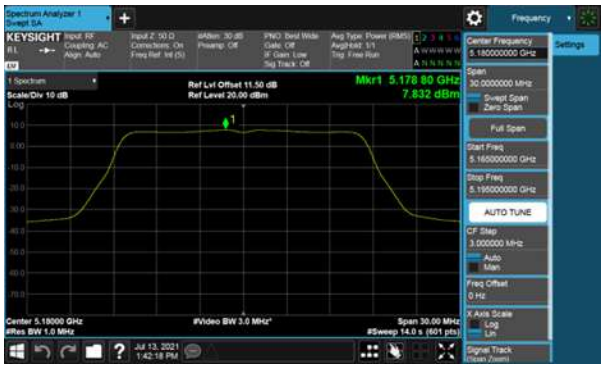
In the 5.8G Band

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)			Sum chain (dBm)	Duty Cycle CF(dB)	10log(500KHz/RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)
			ANT A	ANT B	ANT C					
11a	149	5745	11.32	12.94	11.97	16.90	0.23	-3.01	14.12	26.09
11a	157	5785	10.74	12.69	11.54	16.50	0.23	-3.01	13.72	26.09
11a	165	5825	10.59	12.41	11.21	16.24	0.23	-3.01	13.46	26.09
11ac VHT20	149	5745	11.17	12.80	11.78	16.74	0.00	-3.01	13.73	26.09
11ac VHT20	157	5785	10.79	12.57	11.29	16.39	0.00	-3.01	13.38	26.09
11ac VHT20	165	5825	10.73	12.44	11.19	16.29	0.00	-3.01	13.28	26.09
11ac VHT40	151	5755	7.67	9.17	7.94	13.08	0.14	-3.01	10.21	26.09
11ac VHT40	159	5795	7.25	8.73	7.49	12.65	0.14	-3.01	9.78	26.09
11ac VHT80	155	5775	2.75	3.81	3.35	8.10	0.27	-3.01	5.36	26.09

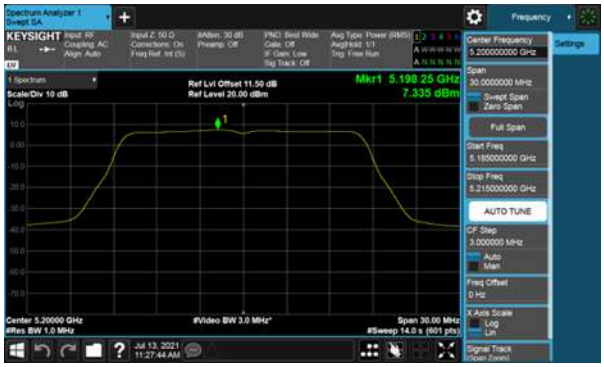
Band 1 ANT A

Modulation Type: 802.11a (6Mbps)

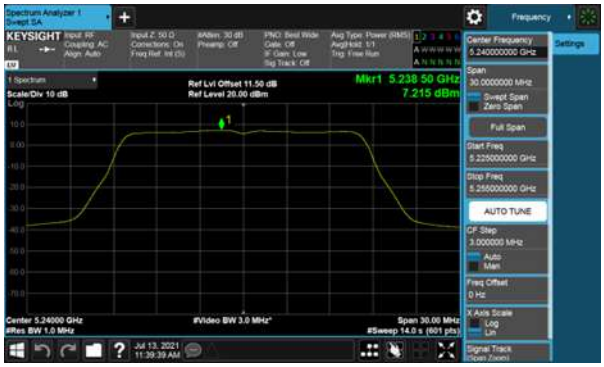
CH36



CH40



CH48



Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH36

CH40

CH48

Band 1 ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38

CH46

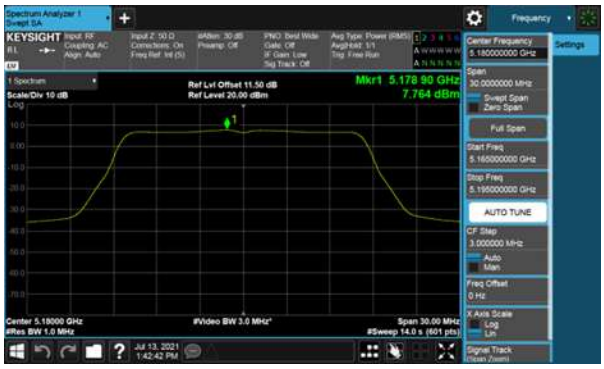
Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42

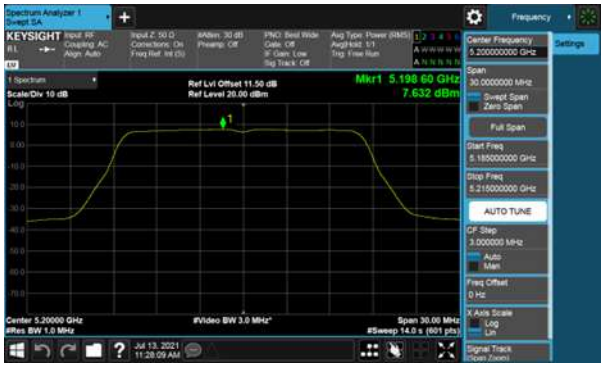
Band 1 ANT B

Modulation Type: 802.11a (6Mbps)

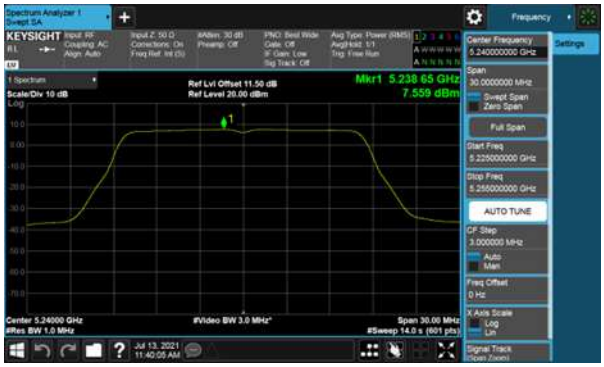
CH36



CH40



CH48



Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH36

CH40

CH48

Band 1 ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)

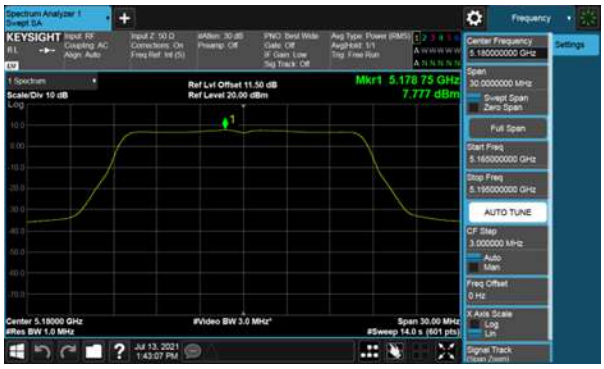
CH42

CH46

Band 1 ANT C

Modulation Type: 802.11a (6Mbps)

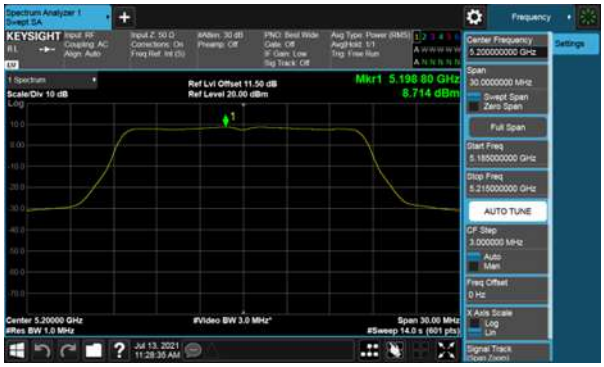
CH36



Modulation Type: 802.11ac VHT20 (6.5Mbps)

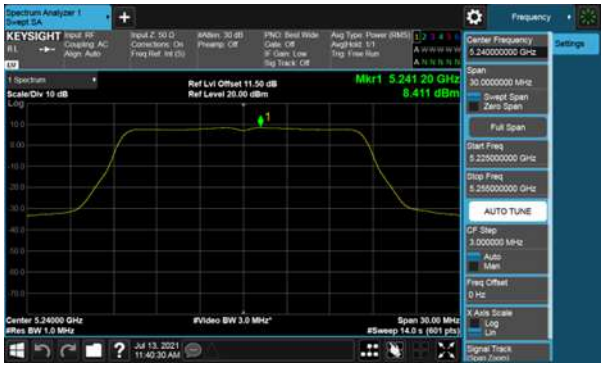
CH36

CH40



CH40

CH48

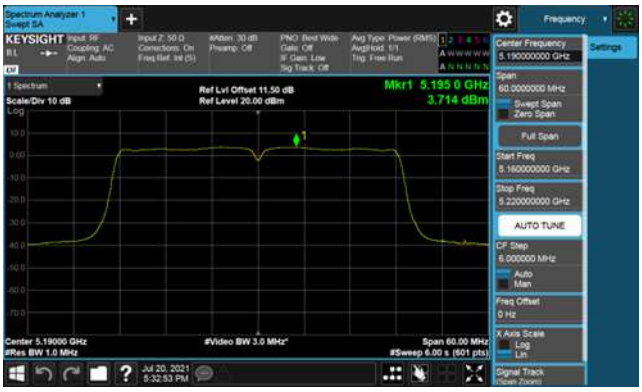


CH48

Band 1 ANT C

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38



CH46

Modulation Type: 802.11ac VHT80 (29.3Mbps)

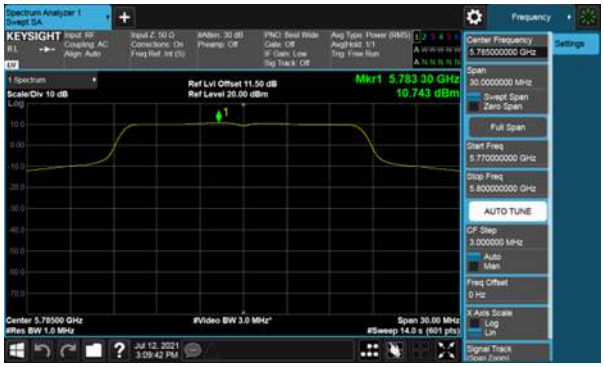
CH42

Band 4 ANT A

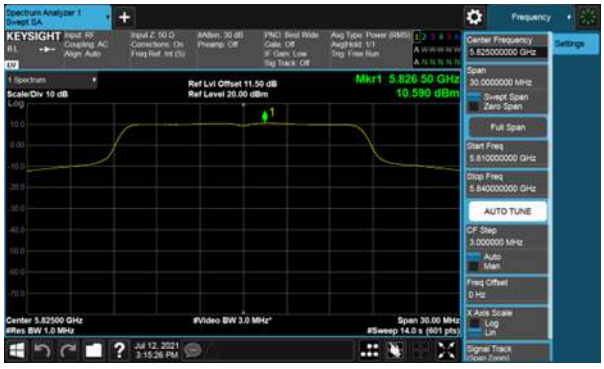
Modulation Type: 802.11a (6Mbps)

CH149

CH157



CH165



Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH149

CH157

CH165

Band 4 ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH151

Modulation Type: 802.11ac VHT80 (29.3Mbps)

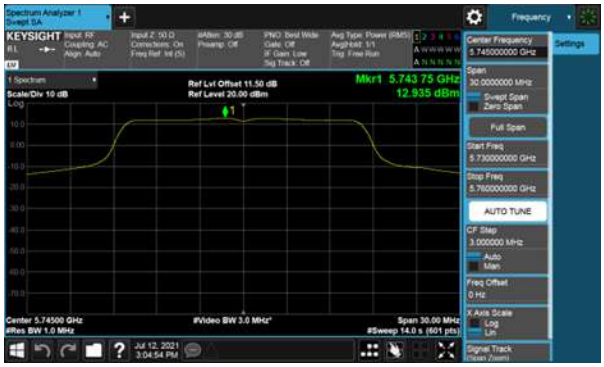
CH155

CH159

Band 4 ANT B

Modulation Type: 802.11a (6Mbps)

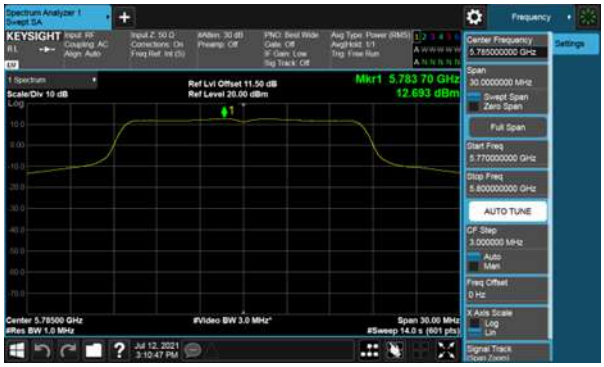
CH149



Modulation Type: 802.11ac VHT20 (6.5Mbps)

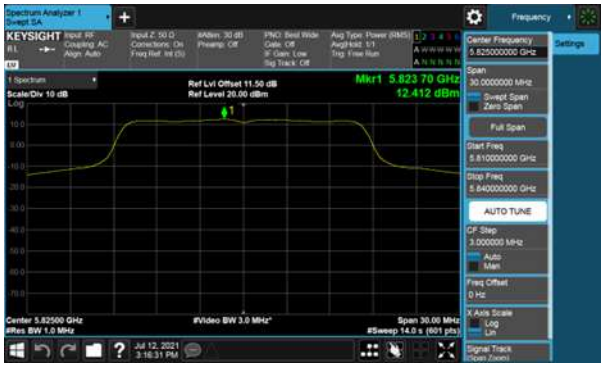
CH149

CH157



CH157

CH165



CH165

Band 4 ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH151

Modulation Type: 802.11ac VHT80 (29.3Mbps)

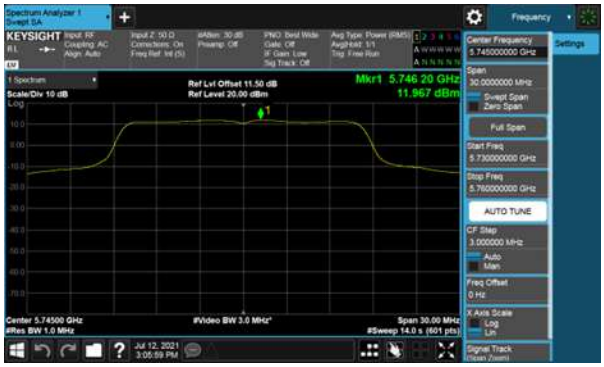
CH155

CH159

Band 4 ANT C

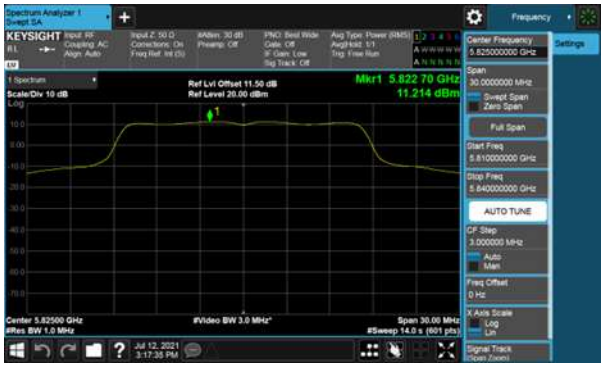
Modulation Type: 802.11a (6Mbps)

CH149



CH157

CH165



Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH149

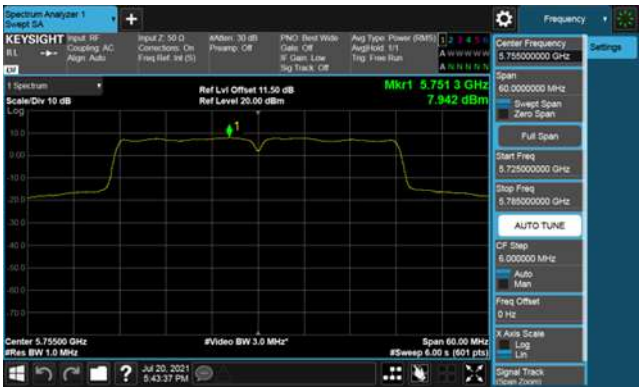
CH157

CH165

Band 4 ANT C

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH151



Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH155

CH159