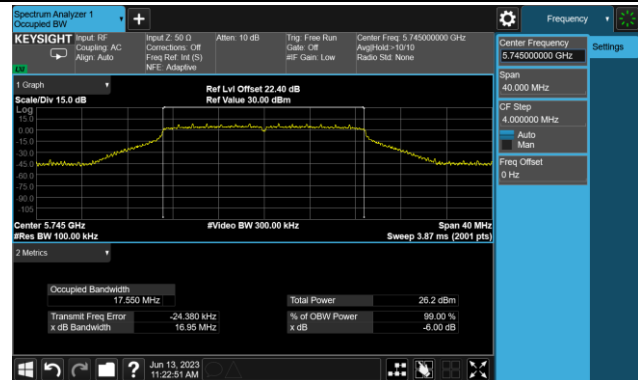
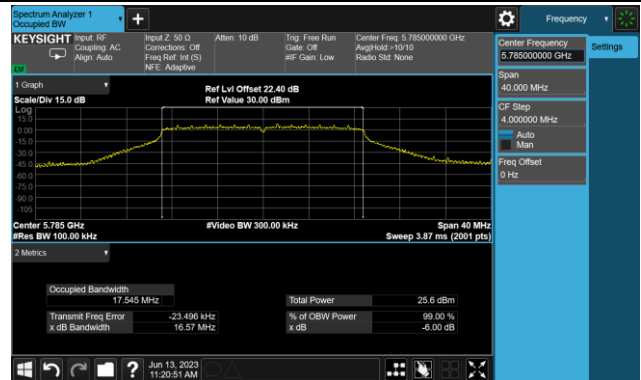


802.11ac-VHT20 6dB Bandwidth

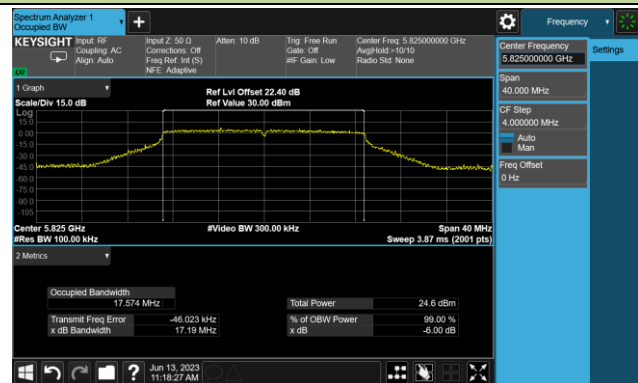
Channel 149 (5745MHz)



Channel 157 (5785MHz)

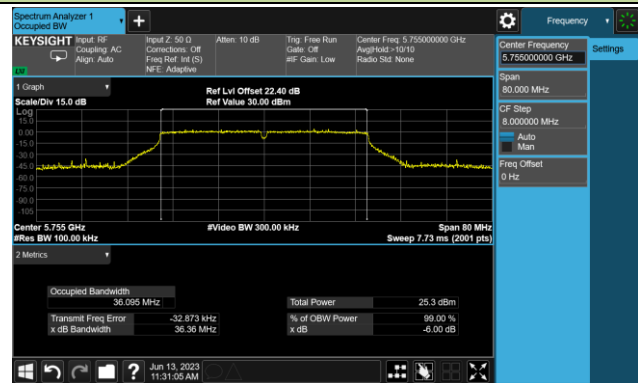


Channel 165 (5825MHz)

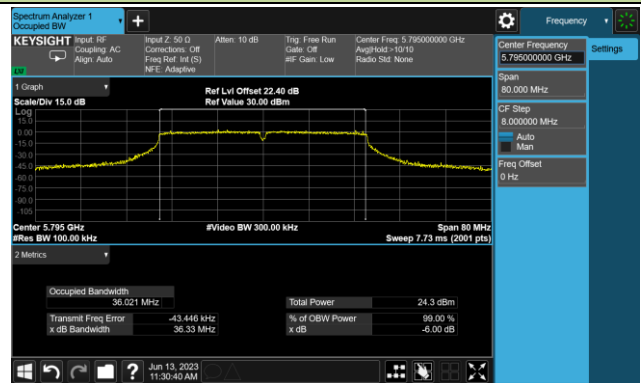


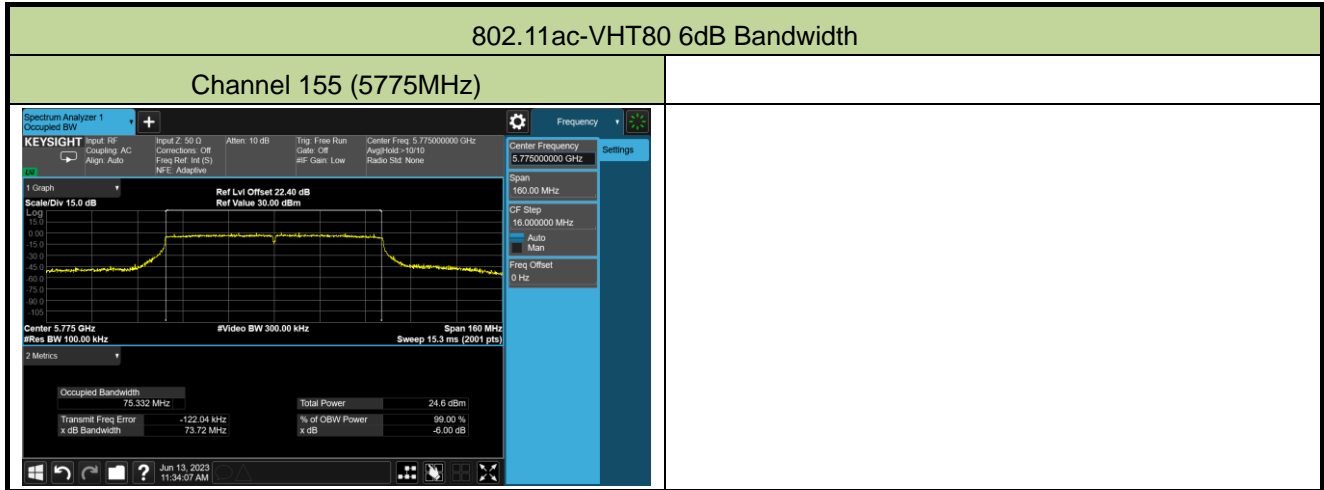
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



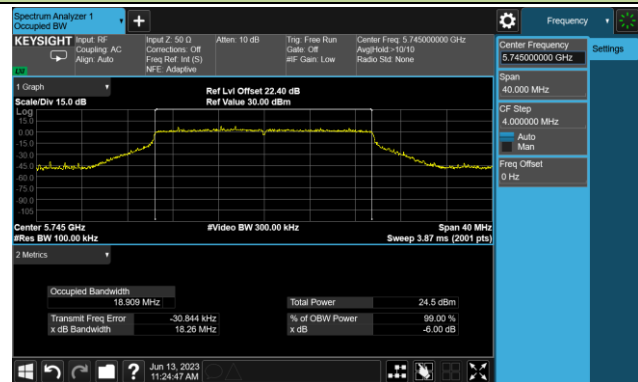
Channel 159 (5795MHz)



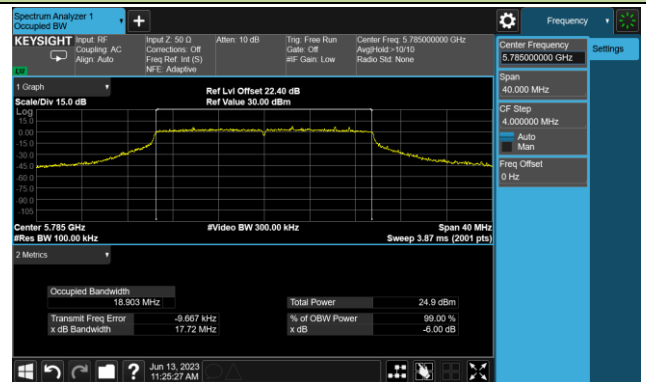


802.11ax-HE20 6dB Bandwidth

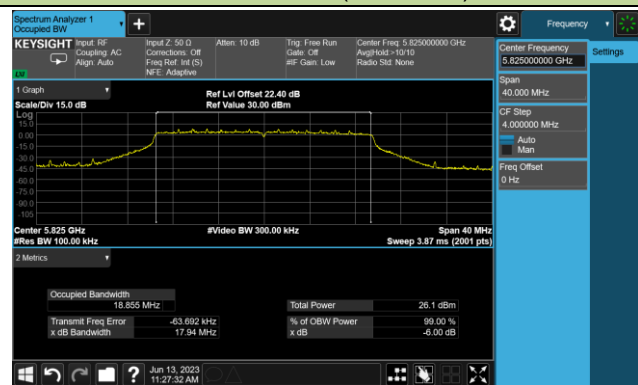
Channel 149 (5745MHz)



Channel 157 (5785MHz)

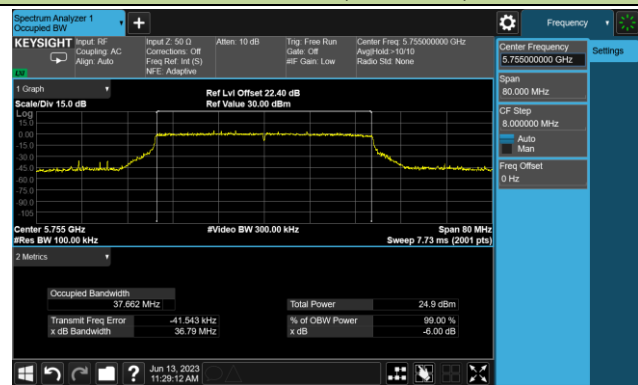


Channel 165 (5825MHz)

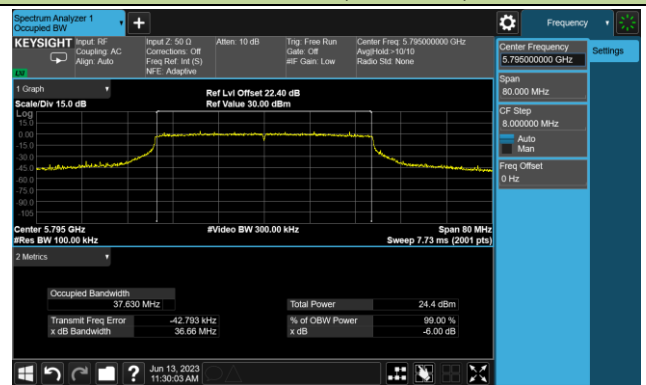


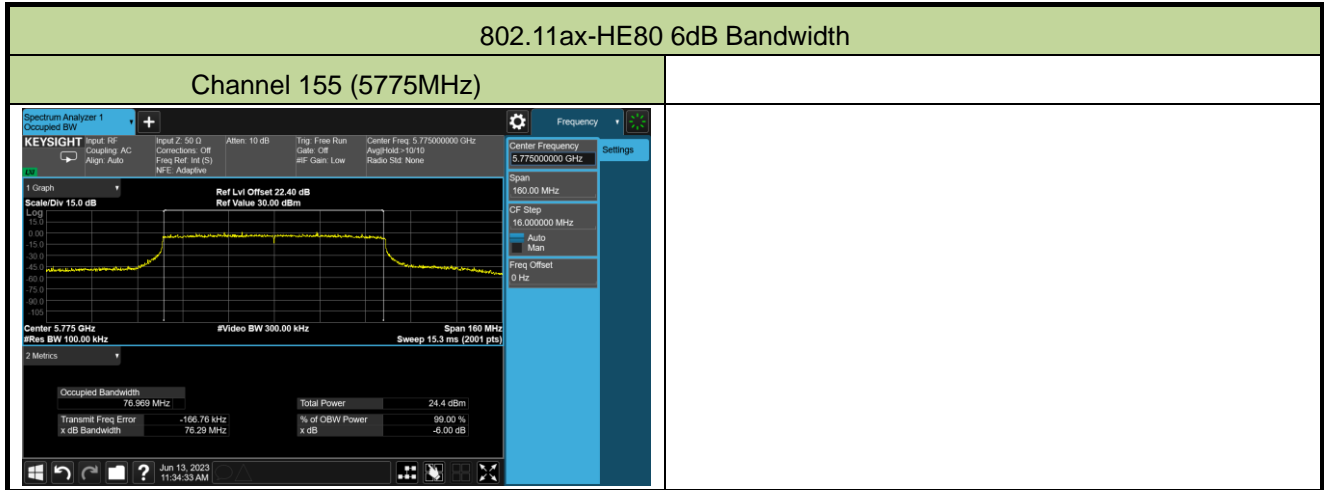
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)





A.4 Output Power Test Result

Test data of OAW-AP1431:

Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2023-04-06~2023-06-12, 2023-06-29		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11a	6Mbps	36	5180	18.32	18.05	21.20	≤ 30.00
11a	6Mbps	44	5220	18.23	18.41	21.33	≤ 30.00
11a	6Mbps	48	5240	17.95	18.02	21.00	≤ 30.00
11a	6Mbps	52	5260	17.15	17.35	20.26	≤ 23.98
11a	6Mbps	60	5300	17.05	17.39	20.23	≤ 23.88
11a	6Mbps	64	5320	17.25	17.05	20.16	≤ 23.90
11a	6Mbps	100	5500	17.82	17.89	20.87	≤ 23.98
11a	6Mbps	116	5580	18.29	17.85	21.09	≤ 23.98
11a	6Mbps	140	5700	18.10	17.56	20.85	≤ 23.98
11a	6Mbps	144	5720	18.15	17.21	20.72	≤ 22.67
11a	6Mbps	149	5745	18.12	18.05	21.10	≤ 30.00
11a	6Mbps	157	5785	17.75	18.26	21.02	≤ 30.00
11a	6Mbps	165	5825	18.46	16.82	20.73	≤ 30.00
11ac-VHT20	MCS0	36	5180	18.15	18.45	21.31	≤ 30.00
11ac-VHT20	MCS0	44	5220	17.99	18.31	21.16	≤ 30.00
11ac-VHT20	MCS0	48	5240	18.23	18.35	21.30	≤ 30.00
11ac-VHT20	MCS0	52	5260	18.26	18.05	21.17	≤ 23.98
11ac-VHT20	MCS0	60	5300	18.29	18.08	21.20	≤ 23.98
11ac-VHT20	MCS0	64	5320	18.12	17.96	21.05	≤ 23.98
11ac-VHT20	MCS0	100	5500	18.03	17.63	20.84	≤ 23.98
11ac-VHT20	MCS0	116	5580	18.20	17.67	20.95	≤ 23.98
11ac-VHT20	MCS0	140	5700	18.49	17.96	21.24	≤ 23.98
11ac-VHT20	MCS0	144	5720	18.06	17.52	20.81	≤ 22.94
11ac-VHT20	MCS0	149	5745	18.11	17.76	20.95	≤ 30.00
11ac-VHT20	MCS0	157	5785	17.47	18.18	20.85	≤ 30.00
11ac-VHT20	MCS0	165	5825	18.47	16.56	20.63	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11ac-VHT40	MCS0	38	5190	18.25	18.47	21.37	≤ 30.00
11ac-VHT40	MCS0	46	5230	18.18	18.19	21.20	≤ 30.00
11ac-VHT40	MCS0	54	5270	18.13	18.21	21.18	≤ 23.98
11ac-VHT40	MCS0	62	5310	18.47	18.49	21.49	≤ 23.98
11ac-VHT40	MCS0	102	5510	18.13	17.63	20.90	≤ 23.98
11ac-VHT40	MCS0	110	5550	18.42	17.56	21.02	≤ 23.98
11ac-VHT40	MCS0	134	5670	18.03	17.78	20.92	≤ 23.98
11ac-VHT40	MCS0	142	5710	18.01	17.60	20.82	≤ 23.98
11ac-VHT40	MCS0	151	5755	18.40	18.20	21.31	≤ 30.00
11ac-VHT40	MCS0	159	5795	17.46	18.23	20.87	≤ 30.00
11ac-VHT80	MCS0	42	5210	18.42	18.36	21.40	≤ 30.00
11ac-VHT80	MCS0	58	5290	18.09	18.25	21.18	≤ 23.98
11ac-VHT80	MCS0	106	5530	18.10	16.78	20.50	≤ 23.98
11ac-VHT80	MCS0	122	5610	18.02	17.90	20.97	≤ 23.98
11ac-VHT80	MCS0	138	5690	18.16	16.96	20.61	≤ 23.98
11ac-VHT80	MCS0	155	5775	18.10	18.30	21.21	≤ 30.00
11ax-HE20	MCS0	36	5180	18.02	18.23	21.14	≤ 30.00
11ax-HE20	MCS0	44	5220	18.39	18.47	21.44	≤ 30.00
11ax-HE20	MCS0	48	5240	18.13	18.32	21.24	≤ 30.00
11ax-HE20	MCS0	52	5260	18.06	18.16	21.12	≤ 23.98
11ax-HE20	MCS0	60	5300	18.43	18.47	21.46	≤ 23.98
11ax-HE20	MCS0	64	5320	17.99	17.82	20.92	≤ 23.98
11ax-HE20	MCS0	100	5500	18.39	18.03	21.22	≤ 23.98
11ax-HE20	MCS0	116	5580	18.13	17.73	20.94	≤ 23.98
11ax-HE20	MCS0	140	5700	18.43	18.12	21.29	≤ 23.98
11ax-HE20	MCS0	144	5720	18.46	17.66	21.09	≤ 22.98
11ax-HE20	MCS0	149	5745	18.30	17.83	21.08	≤ 30.00
11ax-HE20	MCS0	157	5785	17.71	18.45	21.11	≤ 30.00
11ax-HE20	MCS0	165	5825	18.20	16.02	20.26	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11ax-HE40	MCS0	38	5190	17.77	18.01	20.90	≤ 30.00
11ax-HE40	MCS0	46	5230	18.30	18.43	21.38	≤ 30.00
11ax-HE40	MCS0	54	5270	18.02	18.15	21.10	≤ 23.98
11ax-HE40	MCS0	62	5310	18.38	18.31	21.36	≤ 23.98
11ax-HE40	MCS0	102	5510	18.39	17.63	21.04	≤ 23.98
11ax-HE40	MCS0	110	5550	18.09	17.18	20.67	≤ 23.98
11ax-HE40	MCS0	134	5670	18.06	17.97	21.03	≤ 23.98
11ax-HE40	MCS0	142	5710	18.47	17.55	21.04	≤ 23.98
11ax-HE40	MCS0	151	5755	18.09	17.80	20.96	≤ 30.00
11ax-HE40	MCS0	159	5795	17.05	18.18	20.66	≤ 30.00
11ax-HE80	MCS0	42	5210	18.25	18.46	21.37	≤ 30.00
11ax-HE80	MCS0	58	5290	18.17	18.20	21.20	≤ 23.98
11ax-HE80	MCS0	106	5530	18.08	17.50	20.81	≤ 23.98
11ax-HE80	MCS0	122	5610	17.78	18.25	21.03	≤ 23.98
11ax-HE80	MCS0	138	5690	18.41	17.38	20.94	≤ 23.98
11ax-HE80	MCS0	155	5775	17.88	18.18	21.04	≤ 30.00

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

Note 2: For Band-Crossing channel, Average Power Limit = 23.98dBm or $11 + 10 \cdot \log_{10} \text{EBW}_{2C}$ which is less.

Spot Check Test Data of OAW-AP1411:

Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2023-06-20		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11ac-VHT40	MCS0	36	5180	17.55	17.63	20.60	≤ 30.00
11ac-VHT80	MCS0	44	5220	17.02	17.34	20.19	≤ 30.00
11ax-HE20	MCS0	48	5240	17.74	18.06	20.91	≤ 30.00

Note: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

A.5 Power Spectral Density Test Result
Test data of OAW-AP1431:

Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2023-04-06~2023-06-12, 2023-06-29		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/ MHz)		Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1			
11a	6Mbps	36	5180	5.231	5.203	92.91	8.547	≤ 15.42
11a	6Mbps	44	5220	5.103	5.252	92.91	8.508	≤ 15.42
11a	6Mbps	48	5240	4.953	5.321	92.91	8.471	≤ 15.42
11a	6Mbps	52	5260	5.366	5.836	92.91	8.937	≤ 9.44
11a	6Mbps	60	5300	5.361	5.753	92.91	8.891	≤ 9.44
11a	6Mbps	64	5320	5.471	5.531	92.91	8.831	≤ 9.44
11a	6Mbps	100	5500	6.017	6.131	92.91	9.404	≤ 9.68
11a	6Mbps	116	5580	6.345	6.151	92.91	9.579	≤ 9.68
11a	6Mbps	140	5700	6.378	5.988	92.91	9.517	≤ 9.68
11a	6Mbps	144	5720	6.418	5.493	92.91	9.310	≤ 9.68
11ac-VHT20	MCS0	36	5180	5.528	5.679	94.93	8.840	≤ 15.42
11ac-VHT20	MCS0	44	5220	5.252	5.311	94.93	8.518	≤ 15.42
11ac-VHT20	MCS0	48	5240	5.491	5.642	94.93	8.803	≤ 15.42
11ac-VHT20	MCS0	52	5260	5.459	5.973	94.93	8.960	≤ 9.44
11ac-VHT20	MCS0	60	5300	5.520	5.651	94.93	8.822	≤ 9.44
11ac-VHT20	MCS0	64	5320	5.905	5.375	94.93	8.884	≤ 9.44
11ac-VHT20	MCS0	100	5500	5.459	5.043	94.93	8.492	≤ 9.68
11ac-VHT20	MCS0	116	5580	5.688	5.322	94.93	8.745	≤ 9.68
11ac-VHT20	MCS0	140	5700	6.129	6.130	94.93	9.366	≤ 9.68
11ac-VHT20	MCS0	144	5720	5.819	4.920	94.93	8.629	≤ 9.68
11ac-VHT40	MCS0	38	5190	3.023	2.234	93.30	5.958	≤ 15.42
11ac-VHT40	MCS0	46	5230	2.869	2.679	93.30	6.087	≤ 15.42
11ac-VHT40	MCS0	54	5270	3.705	3.451	93.30	6.891	≤ 9.44
11ac-VHT40	MCS0	62	5310	4.135	3.574	93.30	7.175	≤ 9.44
11ac-VHT40	MCS0	102	5510	3.198	3.341	93.30	6.582	≤ 9.68
11ac-VHT40	MCS0	110	5550	3.509	3.144	93.30	6.642	≤ 9.68
11ac-VHT40	MCS0	134	5670	3.020	3.575	93.30	6.618	≤ 9.68
11ac-VHT40	MCS0	142	5710	3.793	3.551	93.30	6.985	≤ 9.68

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/ MHz)		Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1			
11ac-VHT80	MCS0	42	5210	-0.160	-0.832	91.69	2.904	≤ 15.42
11ac-VHT80	MCS0	58	5290	0.773	0.315	91.69	3.937	≤ 9.44
11ac-VHT80	MCS0	106	5530	-0.009	-0.735	91.69	3.030	≤ 9.68
11ac-VHT80	MCS0	122	5610	-0.418	-0.558	91.69	2.900	≤ 9.68
11ac-VHT80	MCS0	138	5690	0.535	0.529	91.69	3.919	≤ 9.68
11ax-HE20	MCS0	36	5180	5.260	5.480	95.45	8.584	≤ 15.42
11ax-HE20	MCS0	44	5220	5.446	5.674	95.45	8.774	≤ 15.42
11ax-HE20	MCS0	48	5240	5.254	5.433	95.45	8.557	≤ 15.42
11ax-HE20	MCS0	52	5260	5.293	5.633	95.45	8.679	≤ 9.44
11ax-HE20	MCS0	60	5300	5.958	5.998	95.45	9.191	≤ 9.44
11ax-HE20	MCS0	64	5320	5.304	5.014	95.45	8.374	≤ 9.44
11ax-HE20	MCS0	100	5500	5.856	5.575	95.45	8.930	≤ 9.68
11ax-HE20	MCS0	116	5580	5.501	5.068	95.45	8.502	≤ 9.68
11ax-HE20	MCS0	140	5700	5.773	5.161	95.45	8.690	≤ 9.68
11ax-HE20	MCS0	144	5720	5.945	5.052	95.45	8.734	≤ 9.68
11ax-HE40	MCS0	38	5190	2.490	1.627	95.44	5.293	≤ 15.42
11ax-HE40	MCS0	46	5230	2.781	2.672	95.44	5.940	≤ 15.42
11ax-HE40	MCS0	54	5270	3.298	2.704	95.44	6.224	≤ 9.44
11ax-HE40	MCS0	62	5310	3.201	3.018	95.44	6.323	≤ 9.44
11ax-HE40	MCS0	102	5510	3.076	3.113	95.44	6.308	≤ 9.68
11ax-HE40	MCS0	110	5550	2.776	2.604	95.44	5.904	≤ 9.68
11ax-HE40	MCS0	134	5670	2.537	2.970	95.44	5.972	≤ 9.68
11ax-HE40	MCS0	142	5710	3.647	3.646	95.44	6.859	≤ 9.68
11ax-HE80	MCS0	42	5210	-0.562	-1.010	93.79	2.509	≤ 15.42
11ax-HE80	MCS0	58	5290	0.457	-0.106	93.79	3.473	≤ 9.44
11ax-HE80	MCS0	106	5530	0.027	-0.622	93.79	3.003	≤ 9.68
11ax-HE80	MCS0	122	5610	-0.126	-0.934	93.79	2.777	≤ 9.68
11ax-HE80	MCS0	138	5690	0.219	0.705	93.79	3.758	≤ 9.68

Note: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\}$.

Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2023-04-09~2023-06-12		
Test Item	Power Spectral Density (UNII-Band 3)		

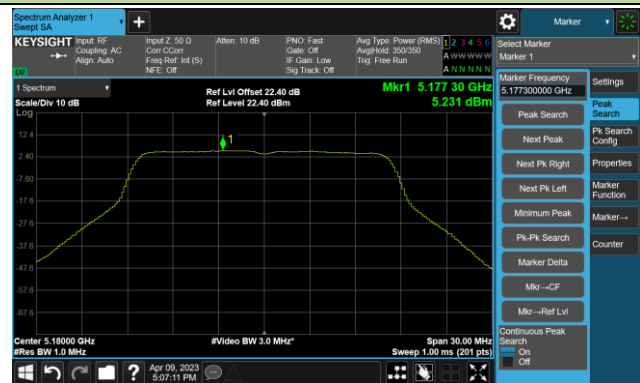
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ 510KHz)		Duty Cycle (%)	Total PSD (dBm/ 510KHz)	PSD Limit (dBm/ 500KHz)
				Ant 0	Ant 1			
11a	6Mbps	149	5745	3.103	2.691	92.91	6.232	≤ 28.69
11a	6Mbps	157	5785	3.056	3.896	92.91	6.826	≤ 28.69
11a	6Mbps	165	5825	3.958	2.388	92.91	6.573	≤ 28.69
11ac-VHT20	MCS0	149	5745	2.921	2.434	94.93	5.921	≤ 28.69
11ac-VHT20	MCS0	157	5785	2.316	3.025	94.93	5.921	≤ 28.69
11ac-VHT20	MCS0	165	5825	3.256	1.392	94.93	5.660	≤ 28.69
11ac-VHT40	MCS0	151	5755	0.650	-0.389	93.30	3.473	≤ 28.69
11ac-VHT40	MCS0	159	5795	-0.185	0.037	93.30	3.239	≤ 28.69
11ac-VHT80	MCS0	155	5775	-3.508	-3.300	91.69	-0.016	≤ 28.69
11ax-HE20	MCS0	149	5745	3.330	2.565	95.45	6.177	≤ 28.69
11ax-HE20	MCS0	157	5785	2.596	3.419	95.45	6.240	≤ 28.69
11ax-HE20	MCS0	165	5825	3.036	0.973	95.45	5.338	≤ 28.69
11ax-HE40	MCS0	151	5755	0.117	-1.127	95.44	2.752	≤ 28.69
11ax-HE40	MCS0	159	5795	-0.748	-0.654	95.44	2.512	≤ 28.69
11ax-HE80	MCS0	155	5775	-3.640	-3.915	93.79	-0.487	≤ 28.69

Note: When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

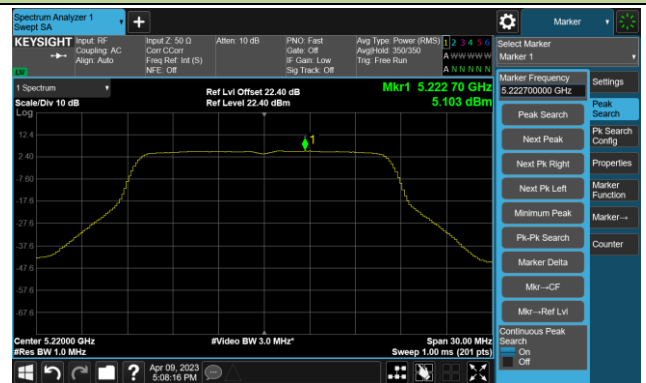
When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\}$.

802.11a Power Spectral Density- Ant 0

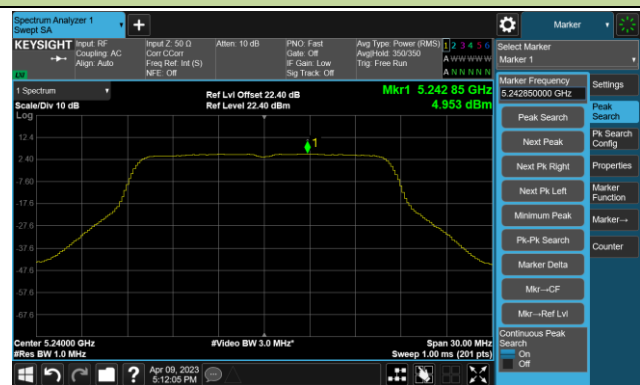
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)

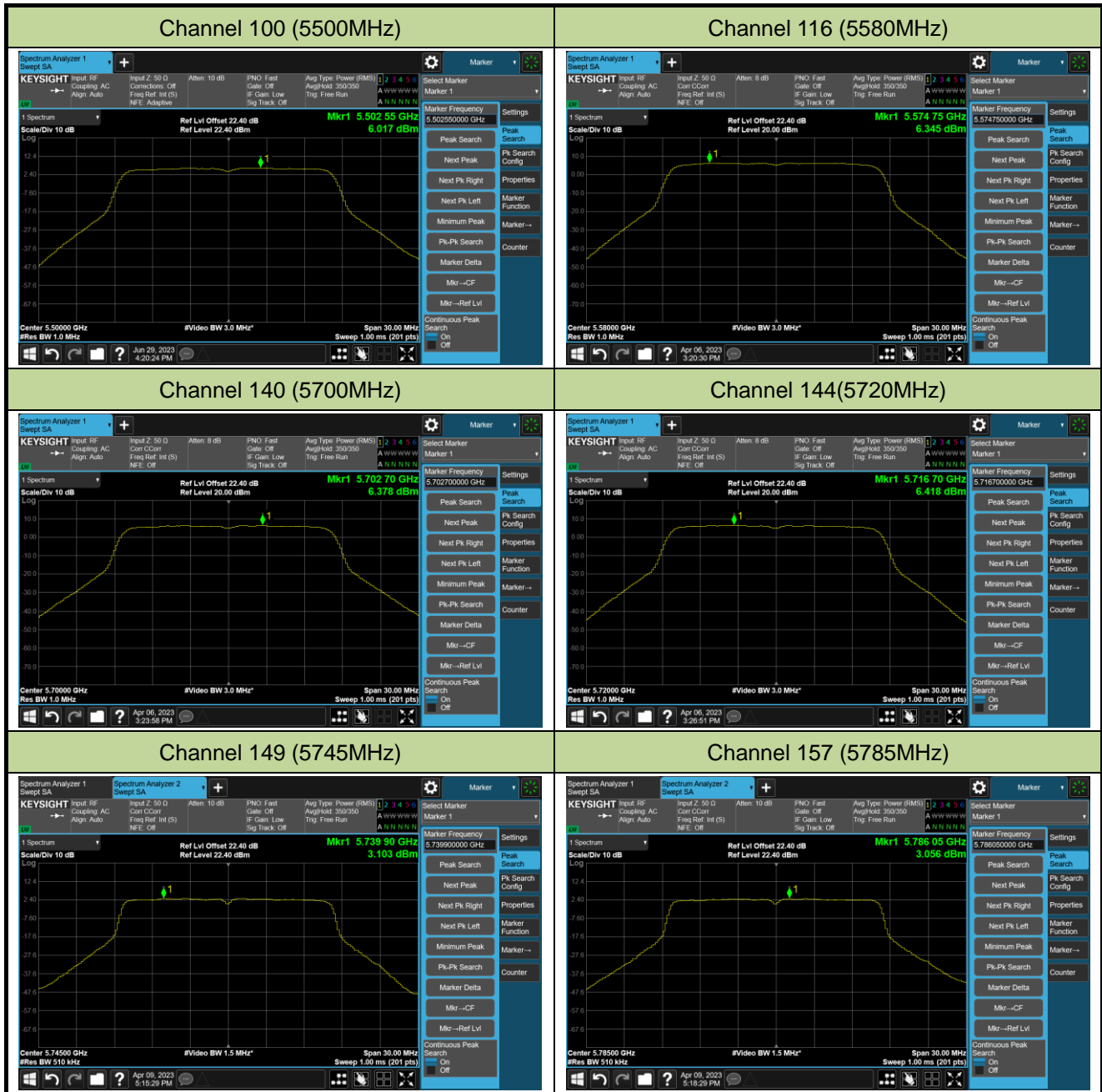


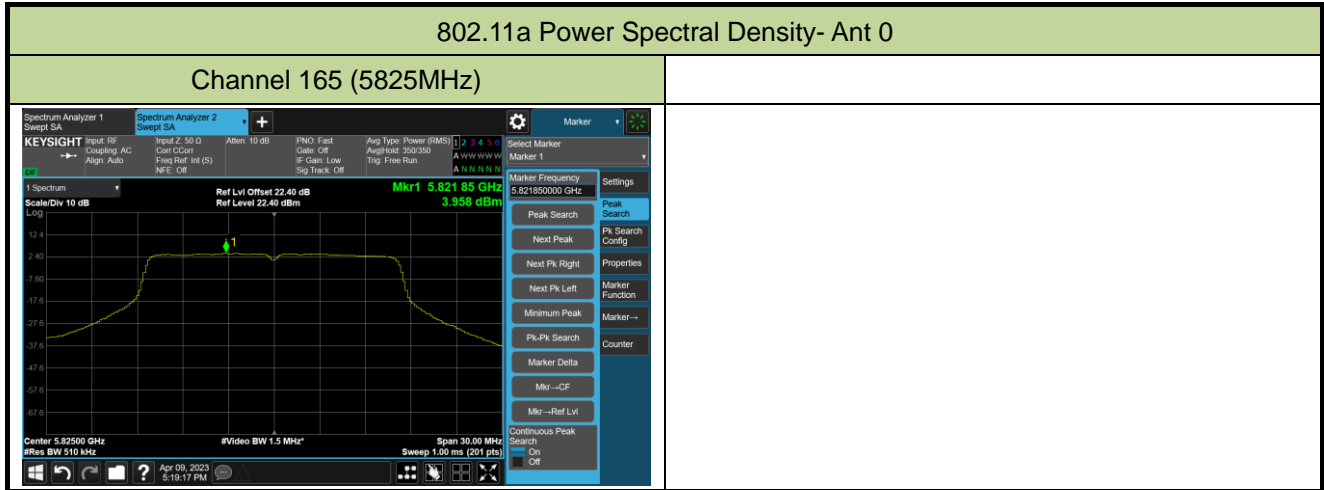
Channel 60 (5300MHz)



Channel 64 (5320MHz)

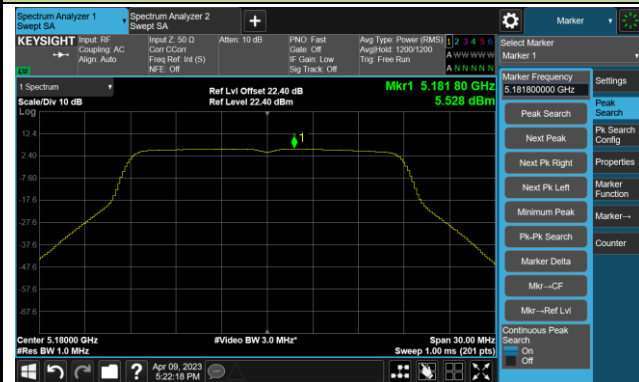




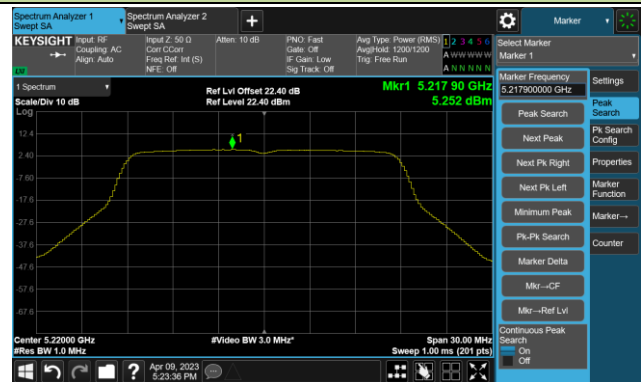


802.11ac-VHT20 Power Spectral Density- Ant 0

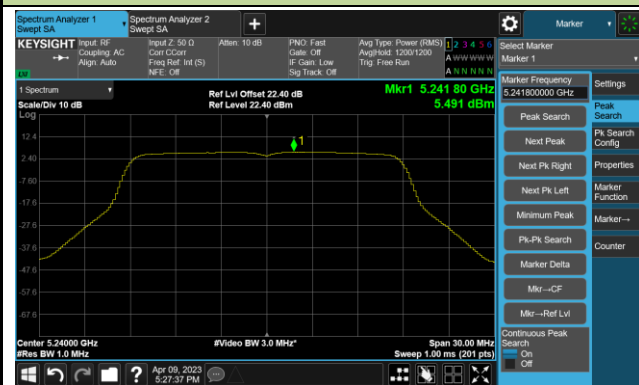
Channel 36 (5180MHz)



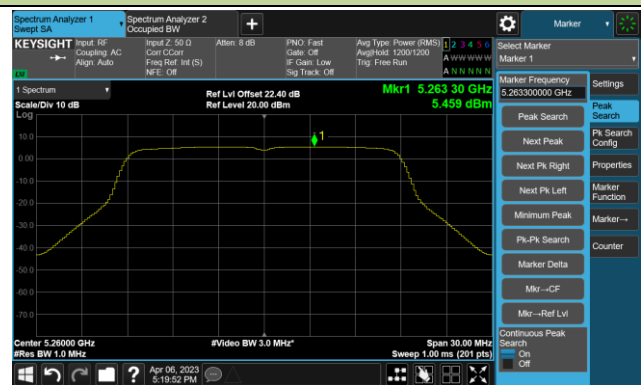
Channel 44 (5220MHz)



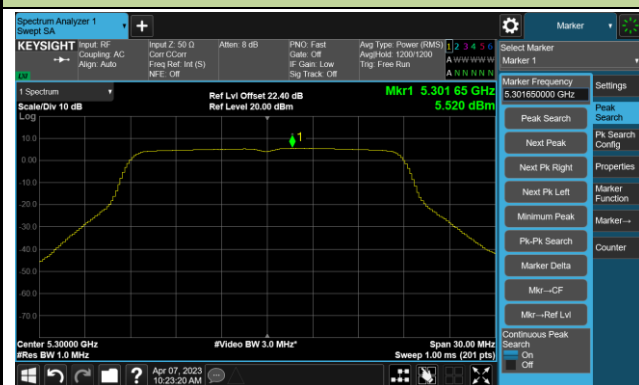
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11ac-VHT20 Power Spectral Density- Ant 0

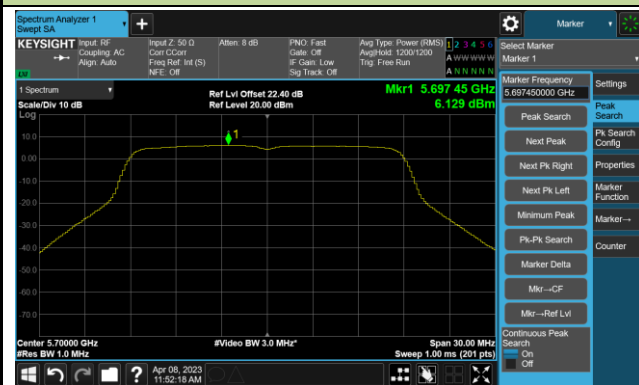
Channel 100 (5500MHz)



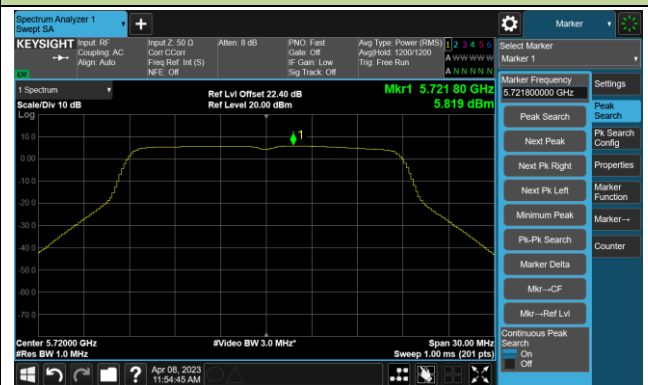
Channel 116 (5580MHz)



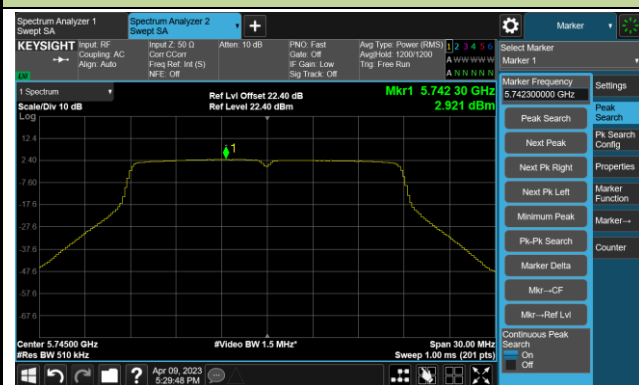
Channel 140 (5700MHz)



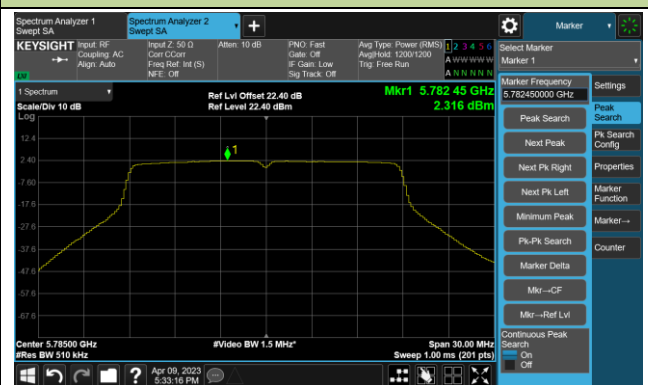
Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



802.11ac-VHT20 Power Spectral Density- Ant 0

Channel 165 (5825MHz)



802.11ac-VHT40 Power Spectral Density- Ant 0

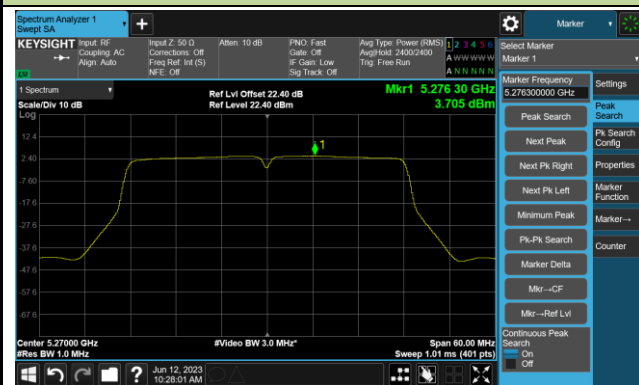
Channel 38 (5190MHz)



Channel 46 (5230MHz)



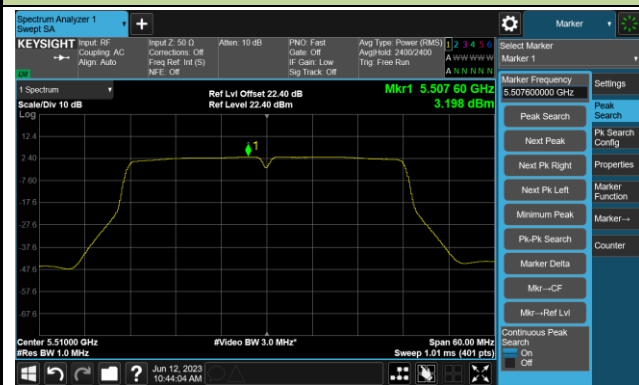
Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 110 (5550MHz)

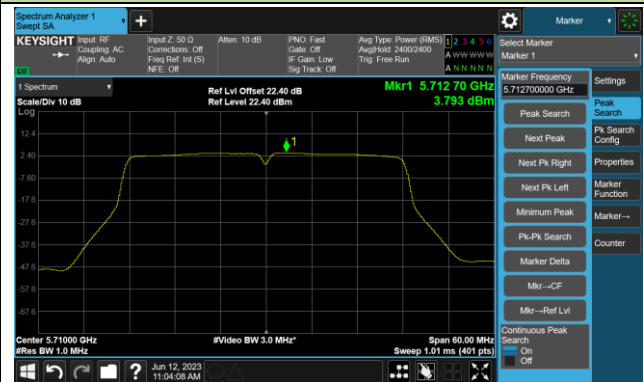


802.11ac-VHT40 Power Spectral Density- Ant 0

Channel 134 (5670MHz)



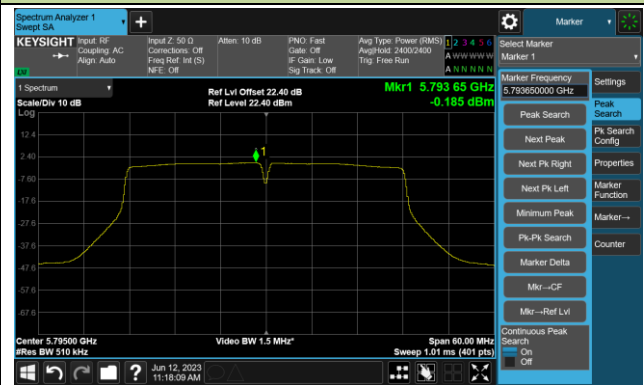
Channel 142(5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ac-VHT80 Power Spectral Density- Ant 0

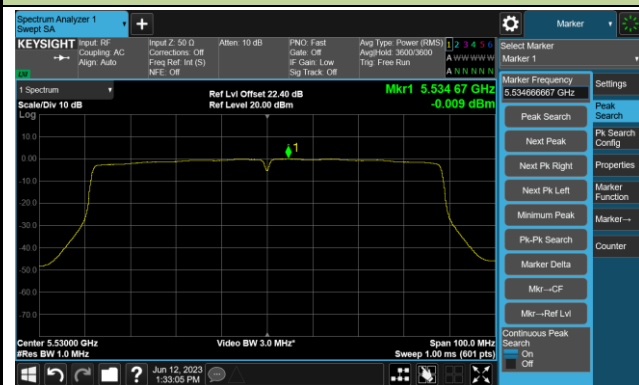
Channel 42 (5210MHz)



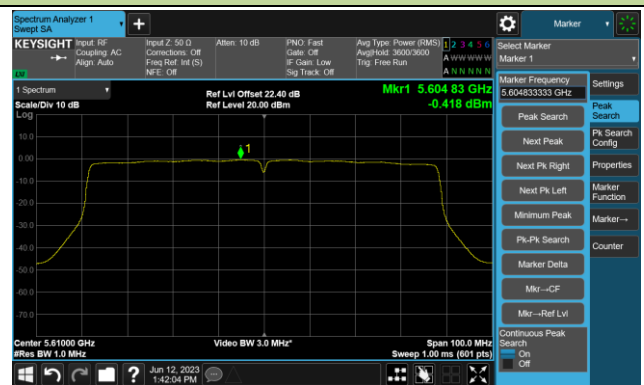
Channel 58 (5290MHz)



Channel 106 (5530MHz)



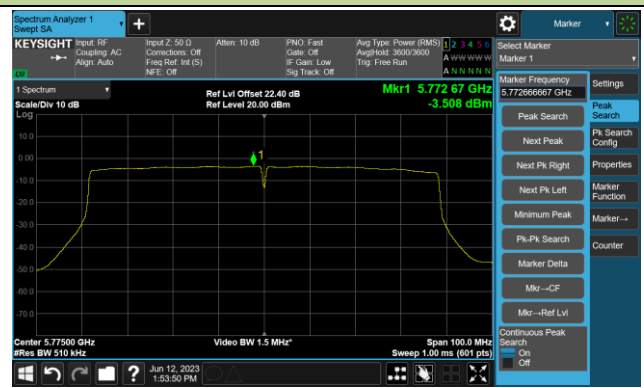
Channel 122 (5610MHz)



Channel 138 (5690MHz)

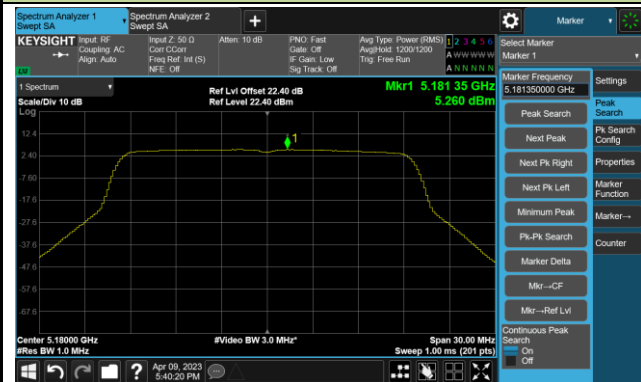


Channel 155 (5775MHz)

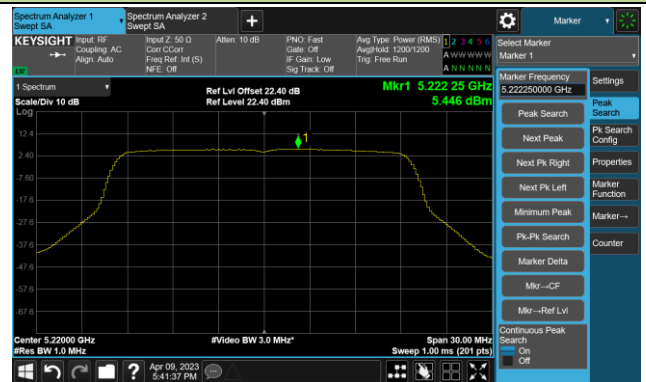


802.11ax-HE20 Power Spectral Density- Ant 0

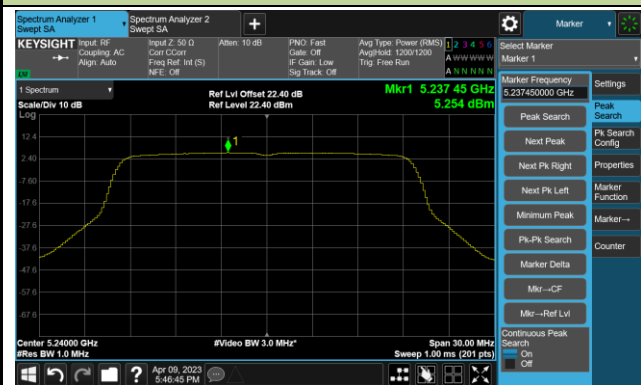
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)

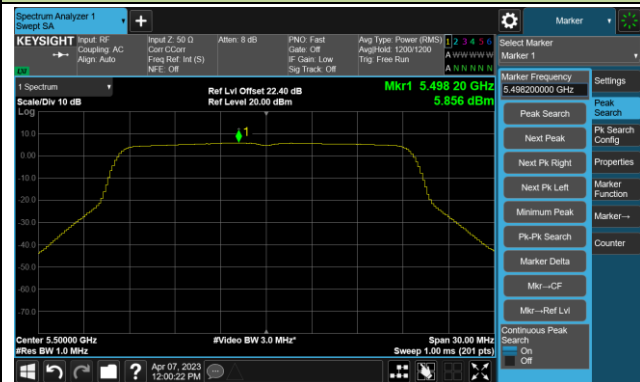


Channel 64 (5320MHz)



802.11ax-HE20 Power Spectral Density- Ant 0

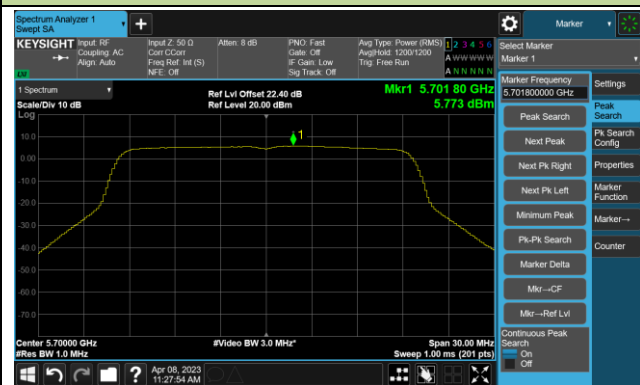
Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144(5720MHz)

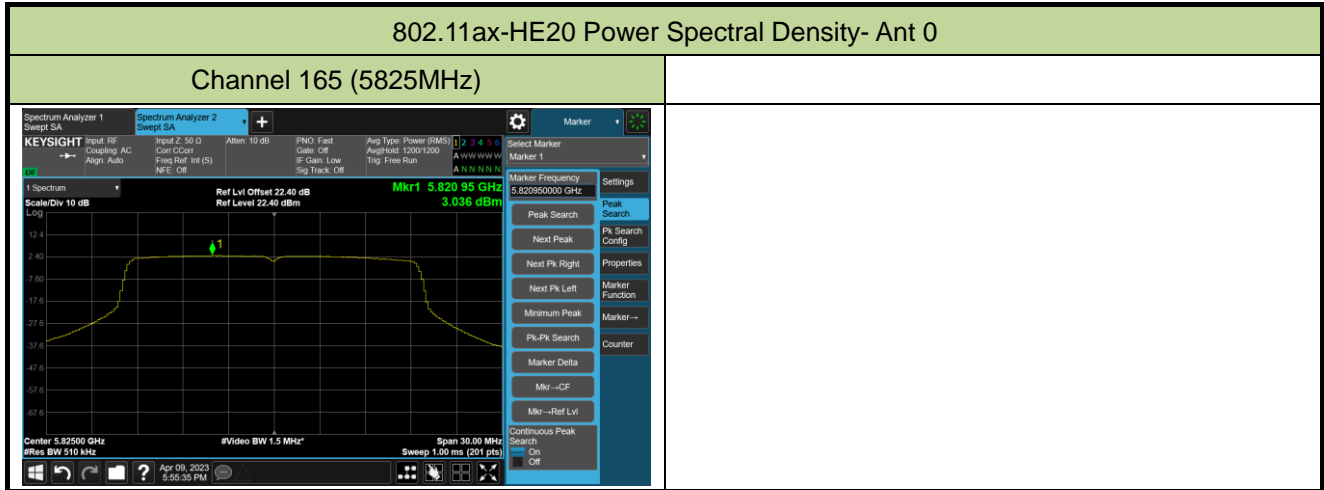


Channel 149 (5745MHz)



Channel 157 (5785MHz)



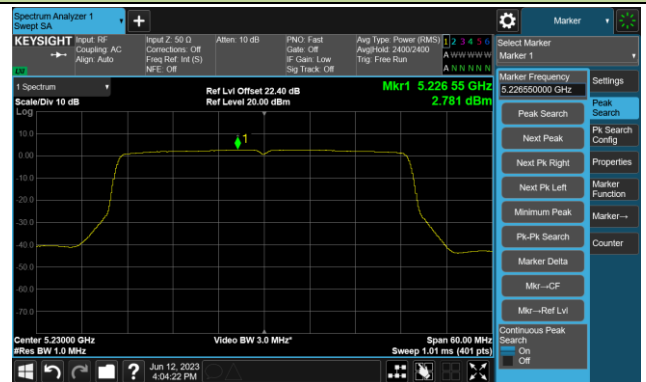


802.11ax-HE40 Power Spectral Density- Ant 0

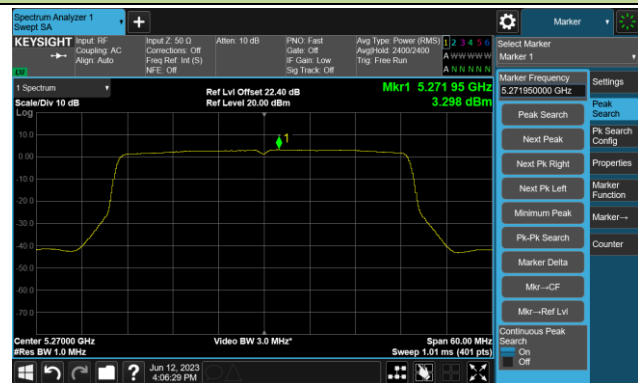
Channel 38 (5190MHz)



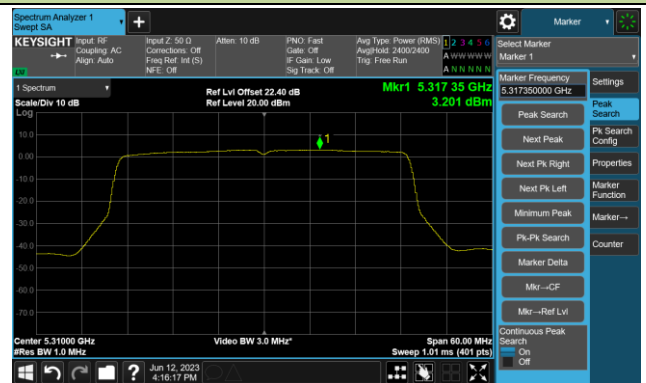
Channel 46 (5230MHz)



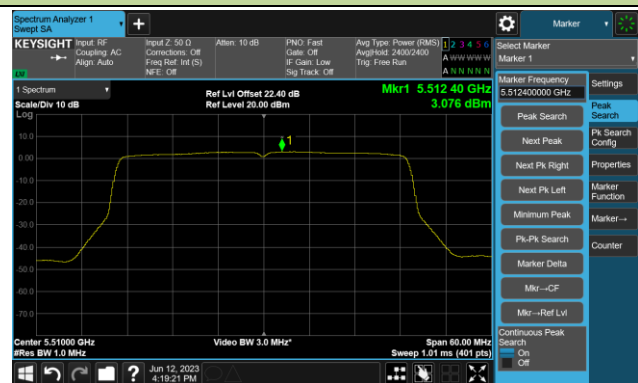
Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 110 (5550MHz)



802.11ax-HE40 Power Spectral Density- Ant 0

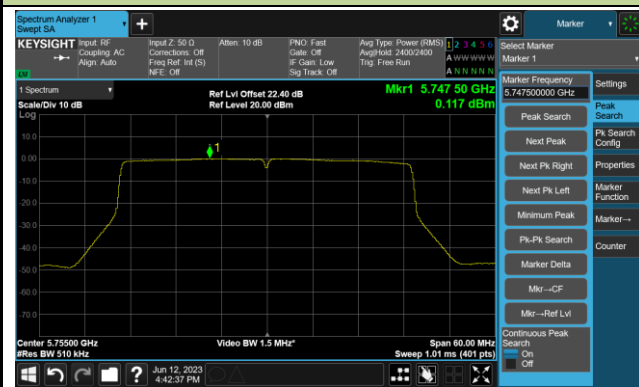
Channel 134 (5670MHz)



Channel 142(5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ax-HE80 Power Spectral Density- Ant 0

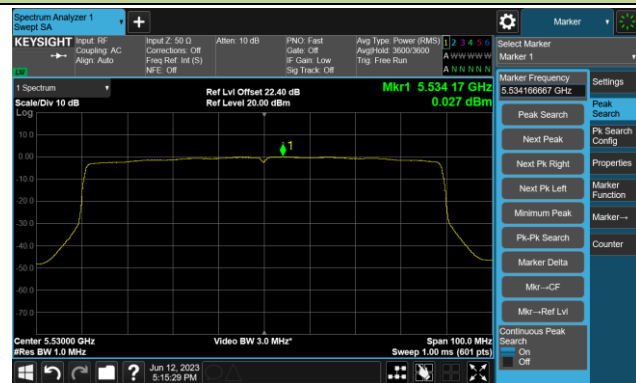
Channel 42 (5210MHz)



Channel 58 (5290MHz)



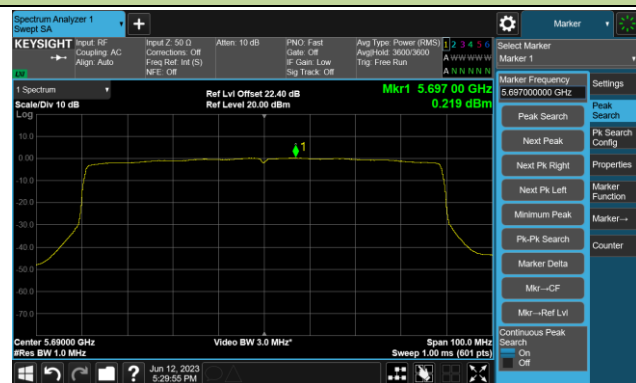
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)

