

Test Site	WZ-SR5	Test Engineer	Liz Yuan
Test Date	2022-07-22		

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	F _H (MHz)	Limit (MHz)
802.11a	6Mbps	48	5240	5248.5903	< 5250
802.11ac-VHT20	MCS0	48	5240	5249.1909	< 5250
802.11ac-VHT40	MCS0	46	5230	5248.4170	< 5250
802.11ac-VHT80	MCS0	42	5210	5248.2290	< 5250

Note: F_H (MHz) = Center Frequency (MHz) + Upper Boundary Offset Frequency (MHz).



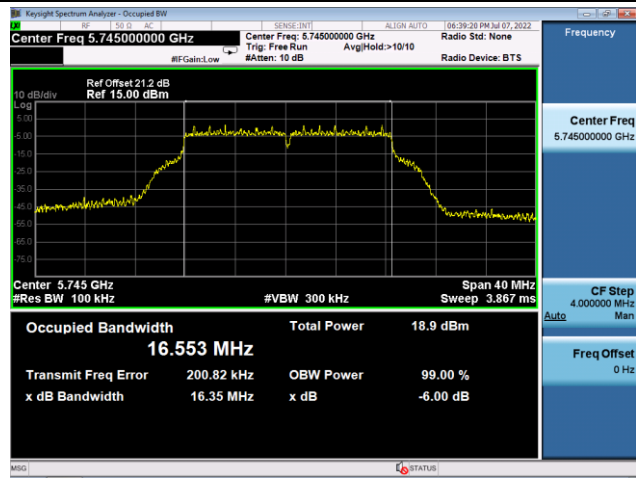
A.3 6dB Bandwidth Test Result

Test Site	WZ-SR5	Test Engineer	Liz Yuan
Test Date	2022-07-07		

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
802.11a	6Mbps	149	5745	16.35	≥ 0.5
802.11a	6Mbps	157	5785	16.40	≥ 0.5
802.11a	6Mbps	165	5825	16.40	≥ 0.5
802.11ac-VHT20	MCS0	149	5745	17.62	≥ 0.5
802.11ac-VHT20	MCS0	157	5785	17.63	≥ 0.5
802.11ac-VHT20	MCS0	165	5825	17.61	≥ 0.5
802.11ac-VHT40	MCS0	151	5755	36.37	≥ 0.5
802.11ac-VHT40	MCS0	159	5795	36.34	≥ 0.5
802.11ac-VHT80	MCS0	155	5775	75.93	≥ 0.5

802.11a 6dB Bandwidth

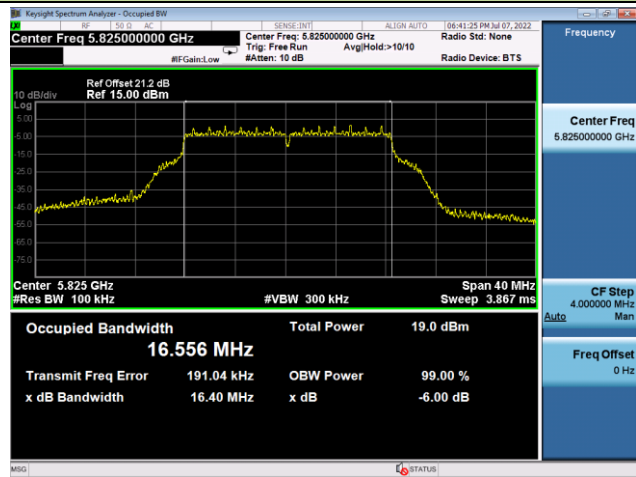
Channel 149 (5745MHz)



Channel 157 (5785MHz)

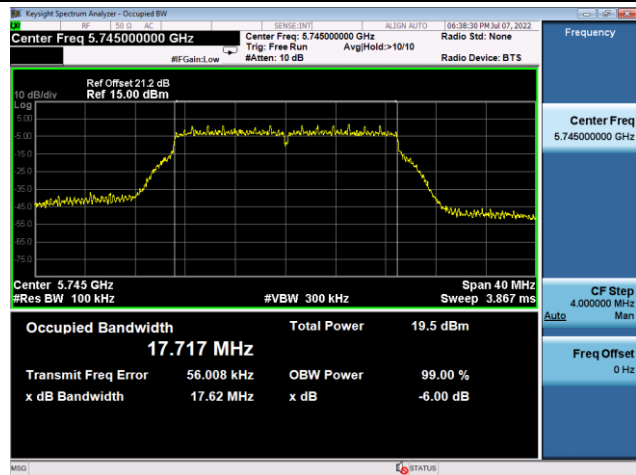


Channel 165 (5825MHz)

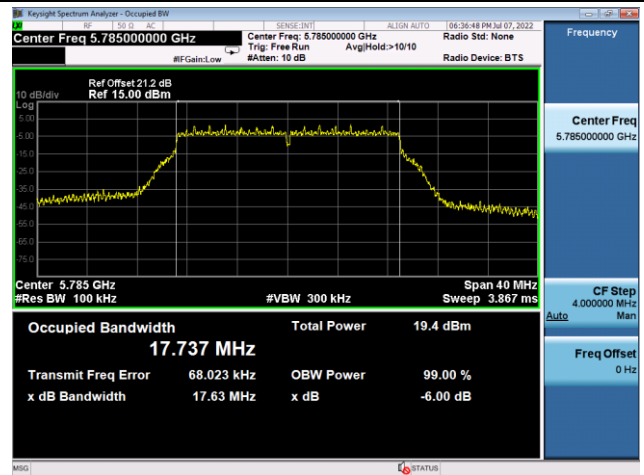


802.11ac-VHT20 6dB Bandwidth

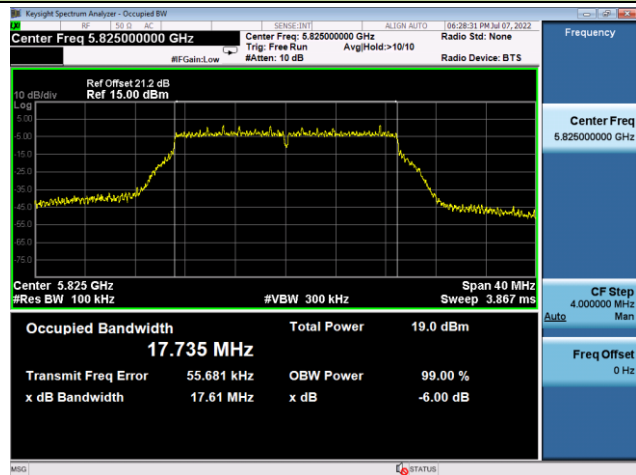
Channel 149 (5745MHz)



Channel 157 (5785MHz)

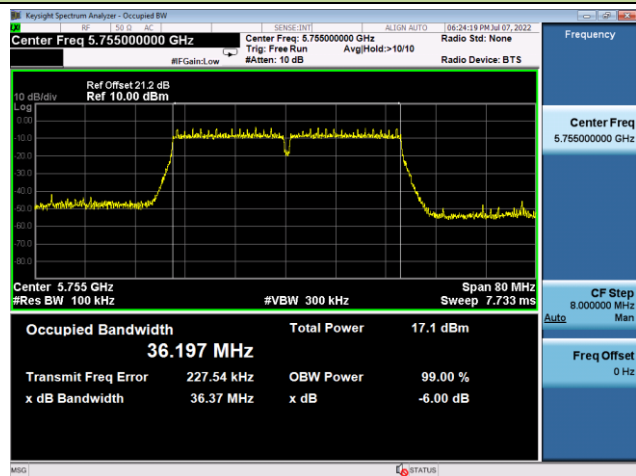


Channel 165 (5825MHz)

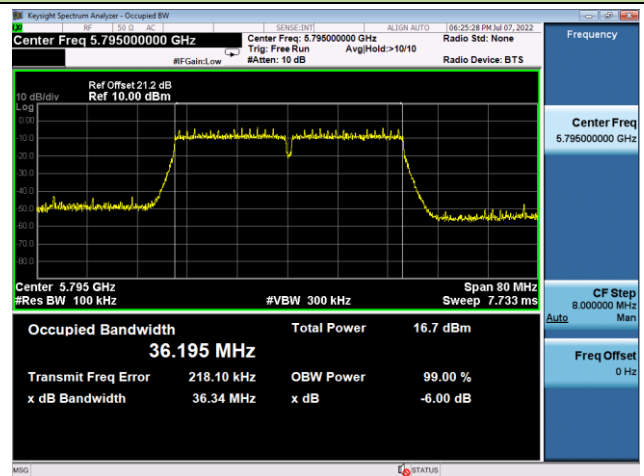


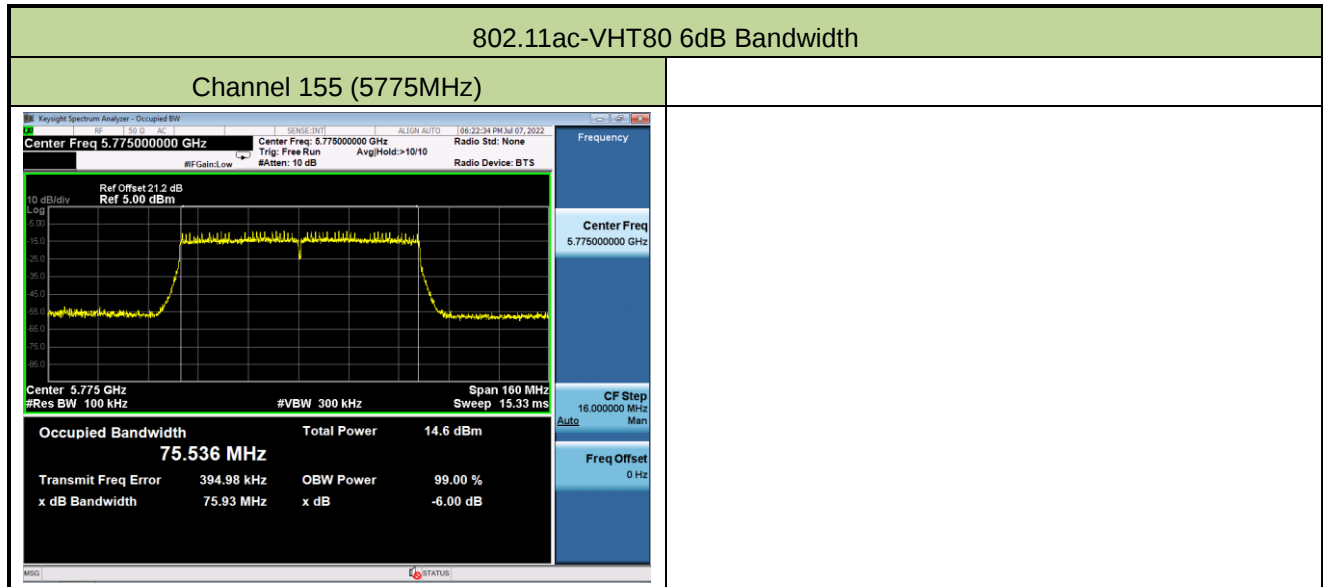
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)





A.4 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Liz Yuan
Test Date	2022-07-07 ~ 2022-07-15		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
802.11a	6Mbps	36	5180	12.32	12.51	15.43	≤ 23.98
802.11a	6Mbps	44	5220	12.29	12.21	15.26	≤ 23.98
802.11a	6Mbps	48	5240	12.02	12.10	15.07	≤ 23.98
802.11a	6Mbps	52	5260	12.41	11.92	15.18	≤ 23.98
802.11a	6Mbps	60	5300	12.34	11.72	15.05	≤ 23.98
802.11a	6Mbps	64	5320	12.29	11.76	15.04	≤ 23.98
802.11a	6Mbps	100	5500	12.43	12.18	15.32	≤ 23.98
802.11a	6Mbps	116	5580	12.45	12.44	15.46	≤ 23.98
802.11a	6Mbps	140	5700	10.46	9.40	12.97	≤ 23.98
802.11a	6Mbps	144	5720	12.02	12.09	15.07	≤ 23.00
802.11a	6Mbps	149	5745	11.81	12.40	15.13	≤ 30.00
802.11a	6Mbps	157	5785	11.45	12.21	14.86	≤ 30.00
802.11a	6Mbps	165	5825	11.50	11.92	14.73	≤ 30.00
802.11ac-VHT20	MCS0	36	5180	12.37	12.51	15.45	≤ 23.98
802.11ac-VHT20	MCS0	44	5220	12.09	12.25	15.18	≤ 23.98
802.11ac-VHT20	MCS0	48	5240	12.16	12.29	15.24	≤ 23.98
802.11ac-VHT20	MCS0	52	5260	12.42	11.76	15.11	≤ 23.98
802.11ac-VHT20	MCS0	60	5300	12.18	11.63	14.92	≤ 23.98
802.11ac-VHT20	MCS0	64	5320	12.21	11.67	14.96	≤ 23.98
802.11ac-VHT20	MCS0	100	5500	11.67	11.34	14.52	≤ 23.98
802.11ac-VHT20	MCS0	116	5580	12.29	12.24	15.28	≤ 23.98
802.11ac-VHT20	MCS0	140	5700	9.76	9.36	12.57	≤ 23.98
802.11ac-VHT20	MCS0	144	5720	11.87	11.88	14.89	≤ 22.98
802.11ac-VHT20	MCS0	149	5745	11.73	12.34	15.06	≤ 30.00
802.11ac-VHT20	MCS0	157	5785	11.62	12.17	14.91	≤ 30.00
802.11ac-VHT20	MCS0	165	5825	11.41	11.97	14.71	≤ 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		
802.11ac-VHT40	MCS0	38	5190	9.35	9.49	12.43	≤ 23.98
802.11ac-VHT40	MCS0	46	5230	9.31	9.34	12.34	≤ 23.98
802.11ac-VHT40	MCS0	54	5270	10.07	9.44	12.78	≤ 23.98
802.11ac-VHT40	MCS0	62	5310	6.86	4.54	8.86	≤ 23.98
802.11ac-VHT40	MCS0	102	5510	7.41	2.66	8.66	≤ 23.98
802.11ac-VHT40	MCS0	110	5550	9.95	9.73	12.85	≤ 23.98
802.11ac-VHT40	MCS0	134	5670	9.82	9.54	12.69	≤ 23.98
802.11ac-VHT40	MCS0	142	5710	9.61	9.44	12.54	≤ 23.98
802.11ac-VHT40	MCS0	151	5755	8.98	9.54	12.28	≤ 30.00
802.11ac-VHT40	MCS0	159	5795	8.80	9.23	12.03	≤ 30.00
802.11ac-VHT80	MCS0	42	5210	7.11	7.22	10.18	≤ 23.98
802.11ac-VHT80	MCS0	58	5290	5.70	2.26	7.32	≤ 23.98
802.11ac-VHT80	MCS0	122	5610	7.65	7.18	10.43	≤ 23.98
802.11ac-VHT80	MCS0	138	5690	7.61	7.24	10.44	≤ 23.98
802.11ac-VHT80	MCS0	155	5775	6.84	7.01	9.94	≤ 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 5720MHz, Average Power Limit = $11 + 10 \cdot \log (5 + 26 \text{dB BW} / 2)$.

A.5 Power Spectral Density Test Result

Test Site	WZ-SR5	Test Engineer	Liz Yuan
Test Date	2022-07-07 ~ 2022-07-15		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)		Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1			
802.11a	6Mbps	36	5180	0.118	0.212	95.42	3.379	≤ 11.00
802.11a	6Mbps	44	5220	0.097	0.093	95.42	3.309	≤ 11.00
802.11a	6Mbps	48	5240	0.198	0.215	95.42	3.420	≤ 11.00
802.11a	6Mbps	52	5260	0.564	-0.012	95.42	3.499	≤ 11.00
802.11a	6Mbps	60	5300	0.567	0.034	95.42	3.523	≤ 11.00
802.11a	6Mbps	64	5320	0.588	0.111	95.42	3.570	≤ 11.00
802.11a	6Mbps	100	5500	0.663	0.569	95.42	3.830	≤ 11.00
802.11a	6Mbps	116	5580	0.739	0.636	95.42	3.902	≤ 11.00
802.11a	6Mbps	140	5700	-1.947	-2.232	95.42	1.127	≤ 11.00
802.11a	6Mbps	144	5720	0.634	0.549	95.42	3.806	≤ 11.00
802.11ac-VHT20	MCS0	36	5180	-0.189	-0.264	94.93	3.010	≤ 11.00
802.11ac-VHT20	MCS0	44	5220	-0.315	-0.380	94.93	2.889	≤ 11.00
802.11ac-VHT20	MCS0	48	5240	-0.318	-0.361	94.93	2.897	≤ 11.00
802.11ac-VHT20	MCS0	52	5260	-0.380	-0.669	94.93	2.714	≤ 11.00
802.11ac-VHT20	MCS0	60	5300	0.182	-0.455	94.93	3.111	≤ 11.00
802.11ac-VHT20	MCS0	64	5320	0.139	-0.388	94.93	3.120	≤ 11.00
802.11ac-VHT20	MCS0	100	5500	-0.701	-1.055	94.93	2.362	≤ 11.00
802.11ac-VHT20	MCS0	116	5580	0.159	0.090	94.93	3.361	≤ 11.00
802.11ac-VHT20	MCS0	140	5700	-2.896	-3.053	94.93	0.262	≤ 11.00
802.11ac-VHT20	MCS0	144	5720	-0.219	-0.293	94.93	2.980	≤ 11.00
802.11ac-VHT40	MCS0	38	5190	-6.190	-6.117	90.27	-2.698	≤ 11.00
802.11ac-VHT40	MCS0	46	5230	-6.029	-6.020	90.27	-2.570	≤ 11.00
802.11ac-VHT40	MCS0	54	5270	-5.363	-5.880	90.27	-2.159	≤ 11.00
802.11ac-VHT40	MCS0	62	5310	-8.501	-10.809	90.27	-6.049	≤ 11.00
802.11ac-VHT40	MCS0	102	5510	-7.762	-12.895	90.27	-6.156	≤ 11.00
802.11ac-VHT40	MCS0	110	5550	-5.004	-5.554	90.27	-1.815	≤ 11.00
802.11ac-VHT40	MCS0	134	5670	-5.467	-5.593	90.27	-2.075	≤ 11.00
802.11ac-VHT40	MCS0	142	5710	-5.443	-5.706	90.27	-2.118	≤ 11.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)		Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1			
802.11ac-VHT80	MCS0	42	5210	-11.641	-11.441	82.16	-7.676	≤ 11.00
802.11ac-VHT80	MCS0	58	5290	-12.900	-16.423	82.16	-10.450	≤ 11.00
802.11ac-VHT80	MCS0	122	5610	-10.318	-10.625	82.16	-6.605	≤ 11.00
802.11ac-VHT80	MCS0	138	5690	-10.314	-10.783	82.16	-6.678	≤ 11.00

Note: Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

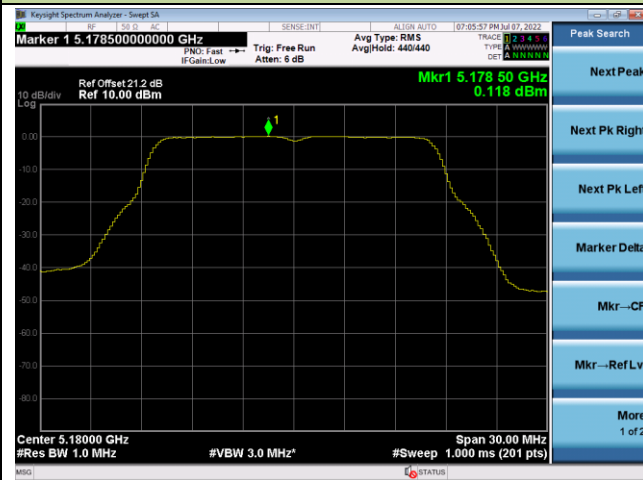
Test Site	WZ-SR5	Test Engineer	Liz Yuan
Test Date	2022-07-07 ~ 2022-07-11		
Test Item	Power Spectral Density (UNII-Band 3)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ 510KHz)		Duty Cycle (%)	Total PSD (510KHz)	PSD Limit (dBm/ 500KHz)
				Ant 0	Ant 1			
11a	6Mbps	149	5745	-3.178	-2.173	95.42	0.567	≤ 30.00
11a	6Mbps	157	5785	-2.991	-2.503	95.42	0.474	≤ 30.00
11a	6Mbps	165	5825	-3.344	-2.651	95.42	0.230	≤ 30.00
11ac-VHT20	MCS0	149	5745	-3.196	-2.682	94.93	0.305	≤ 30.00
11ac-VHT20	MCS0	157	5785	-3.666	-2.806	94.93	0.022	≤ 30.00
11ac-VHT20	MCS0	165	5825	-3.476	-3.215	94.93	-0.107	≤ 30.00
11ac-VHT40	MCS0	151	5755	-8.740	-8.257	90.27	-5.037	≤ 30.00
11ac-VHT40	MCS0	159	5795	-9.125	-8.405	90.27	-5.295	≤ 30.00
11ac-VHT80	MCS0	155	5775	-14.535	-14.128	82.16	-10.463	≤ 30.00

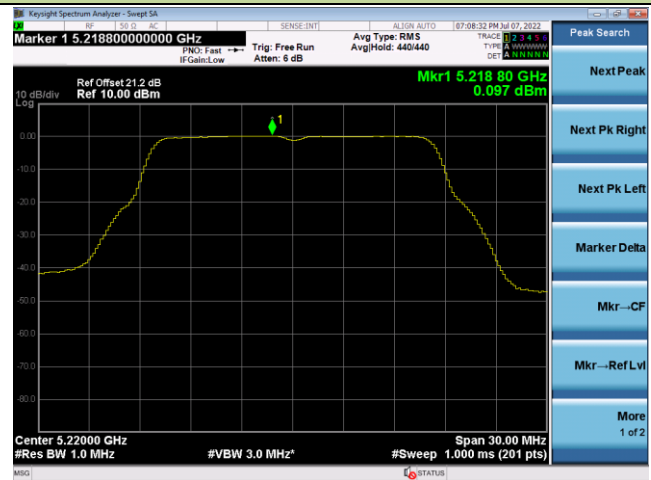
Note: Total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

802.11a Power Spectral Density- Ant 0

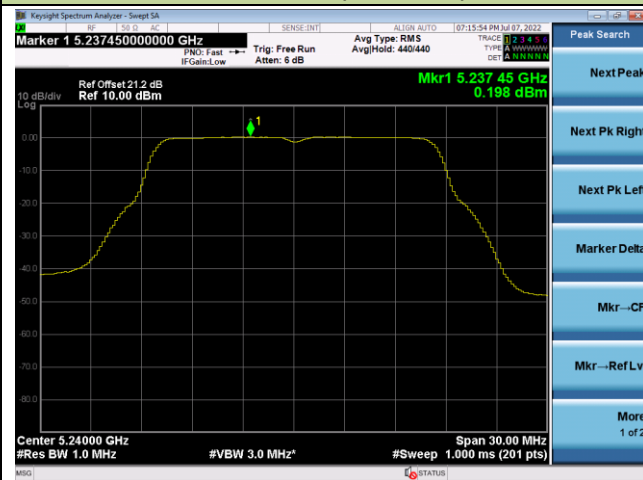
Channel 36 (5180MHz)



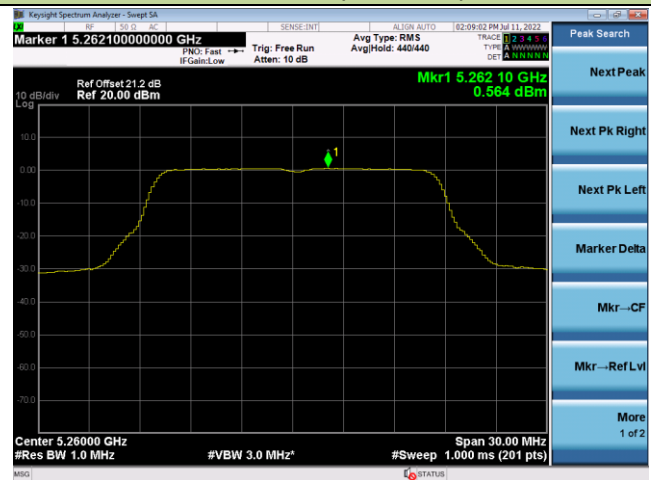
Channel 44 (5220MHz)



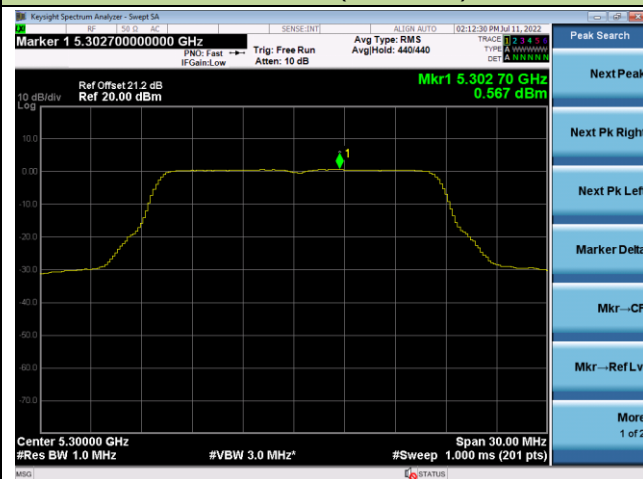
Channel 48 (5240MHz)



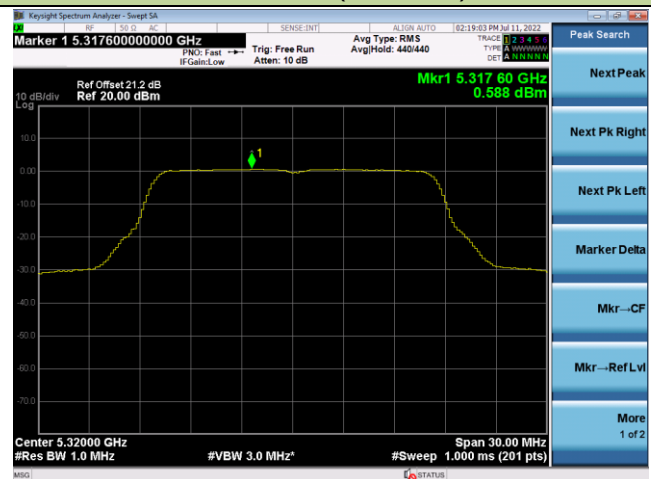
Channel 52 (5260MHz)



Channel 60 (5300MHz)

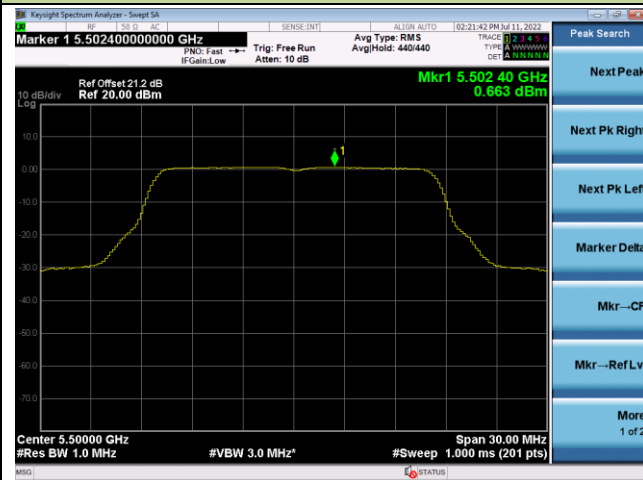


Channel 64 (5320MHz)

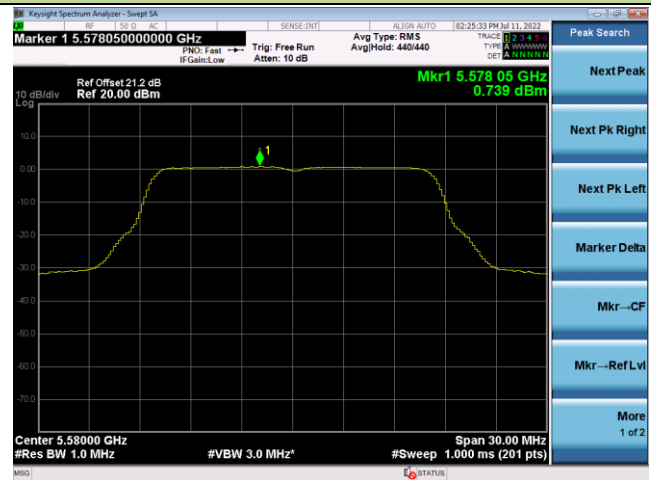


802.11a Power Spectral Density – Ant 0

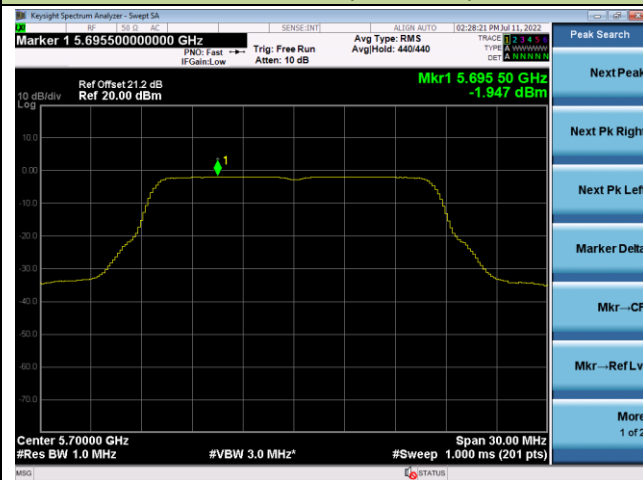
Channel 100 (5500MHz)



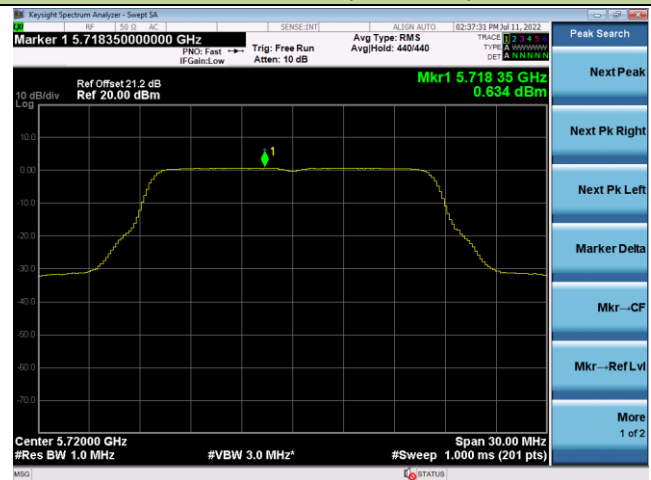
Channel 116 (5580MHz)



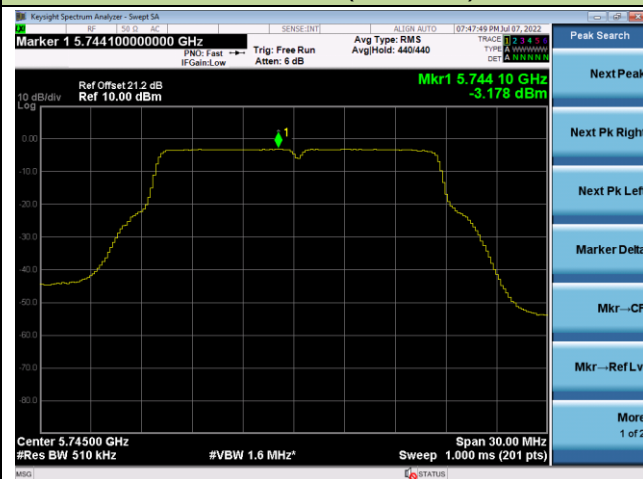
Channel 140 (5700MHz)



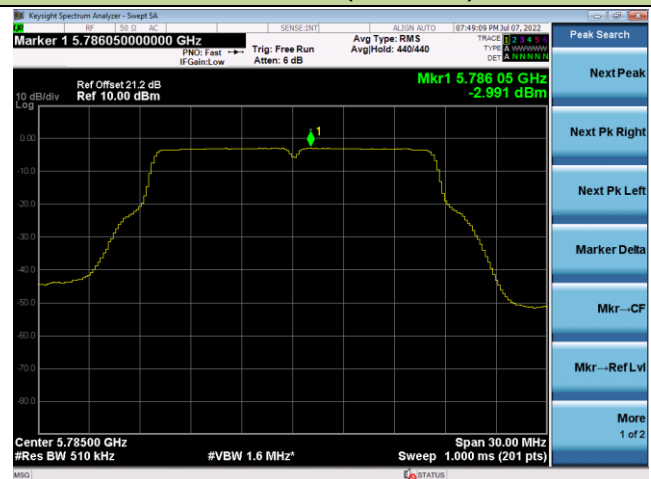
Channel 144 (5720MHz)

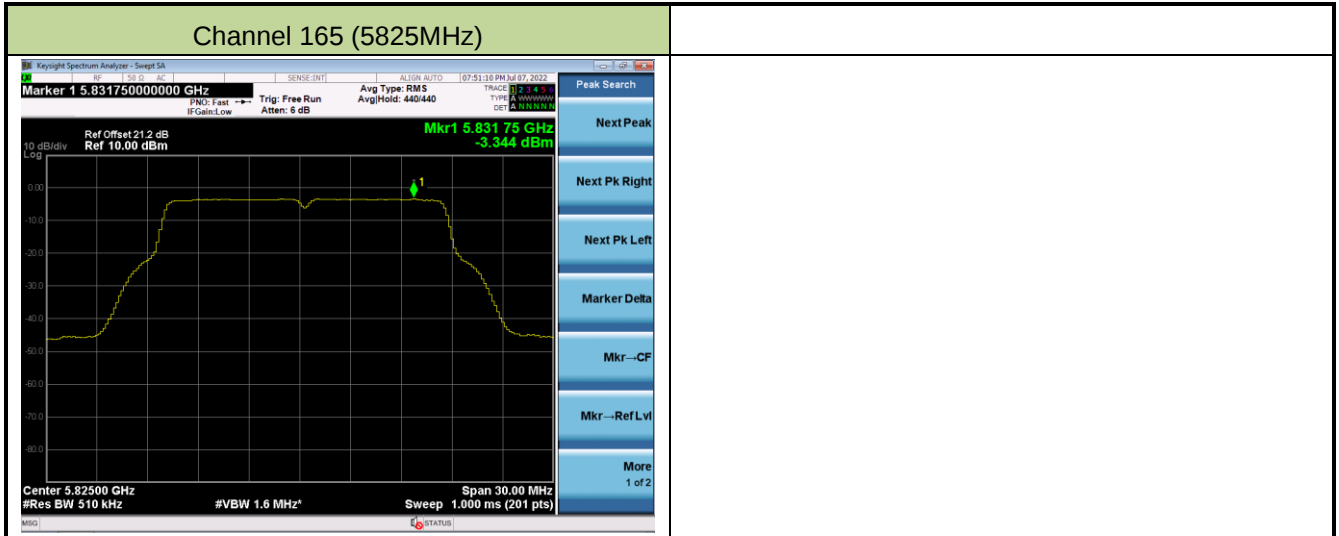


Channel 149 (5745MHz)



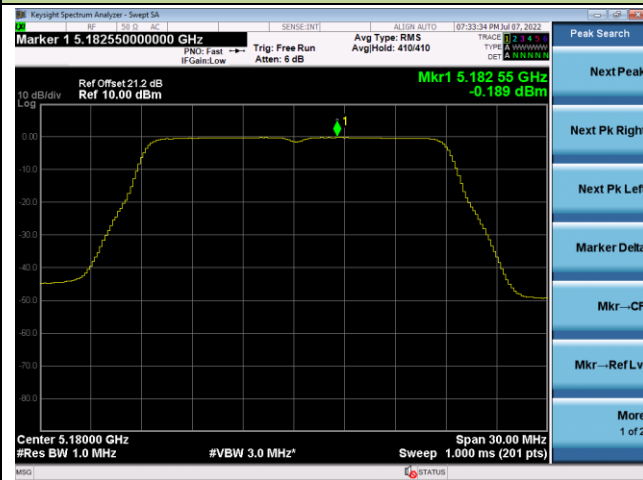
Channel 157 (5785MHz)



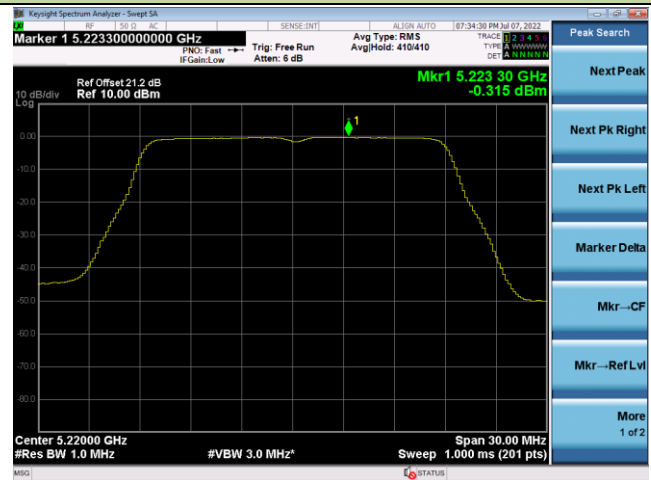


802.11ac-VHT20 Power Spectral Density – Ant 0

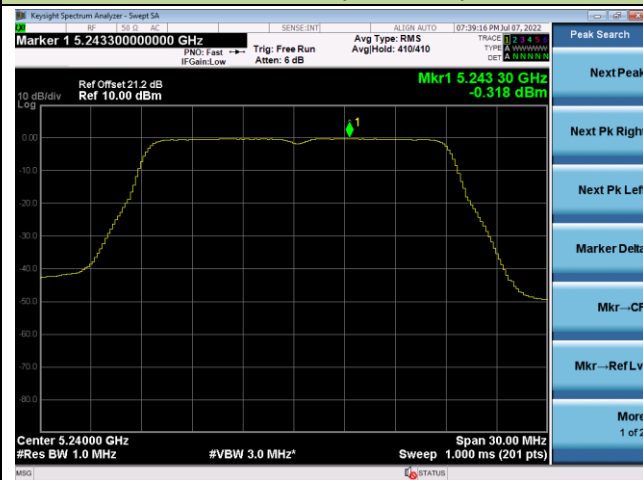
Channel 36 (5180MHz)



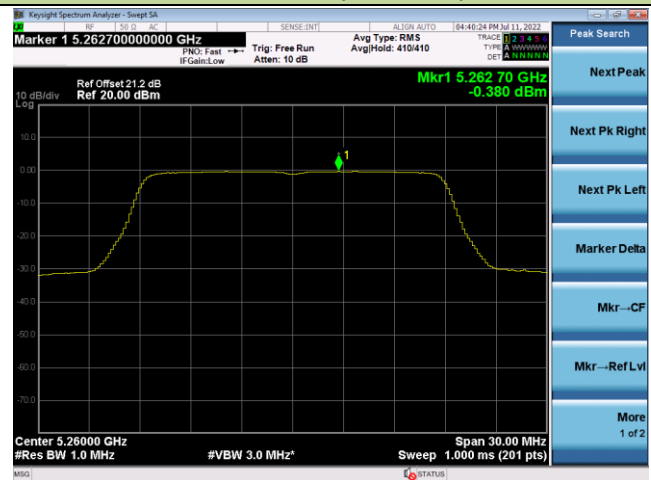
Channel 44 (5220MHz)



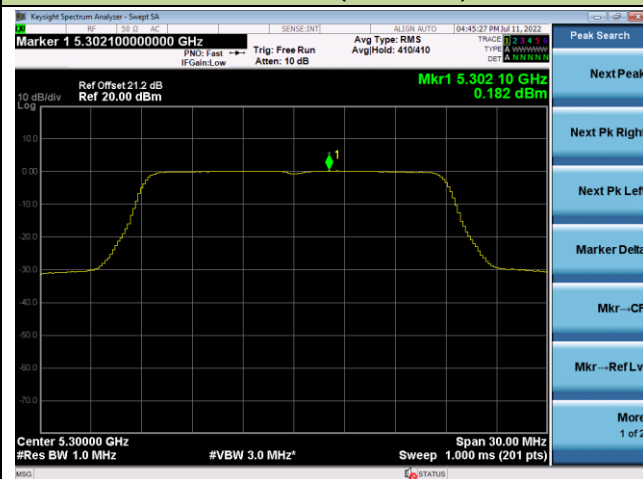
Channel 48 (5240MHz)



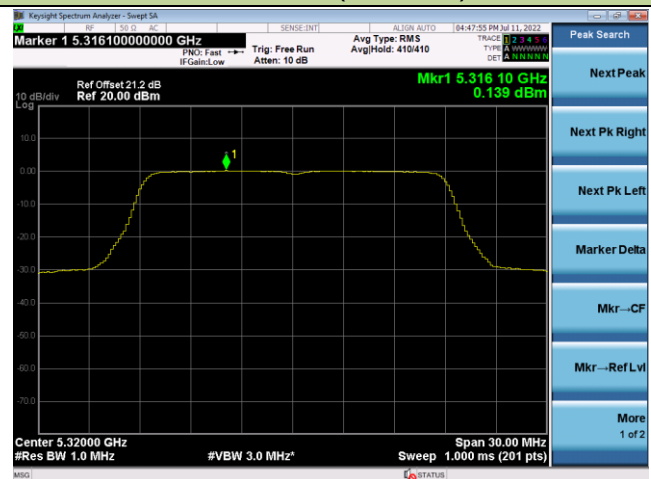
Channel 52 (5260MHz)



Channel 60 (5300MHz)

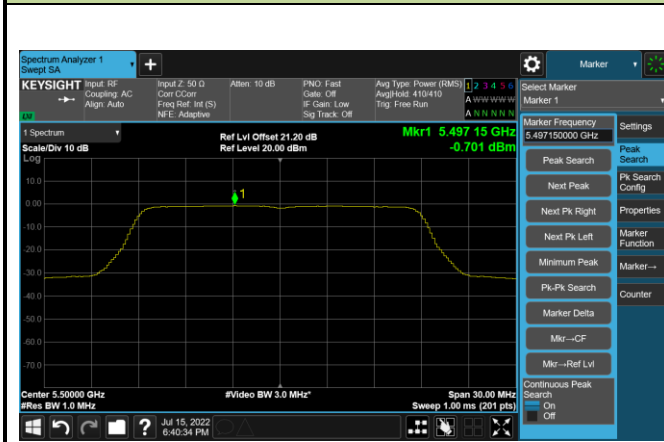


Channel 64 (5320MHz)

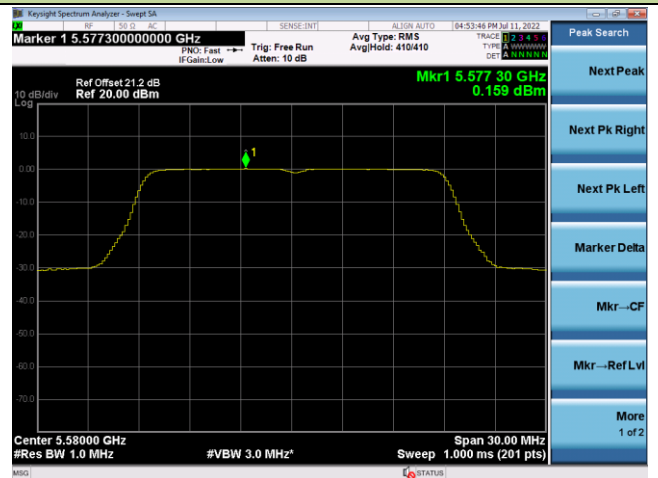


802.11ac-VHT20 Power Spectral Density – Ant 0

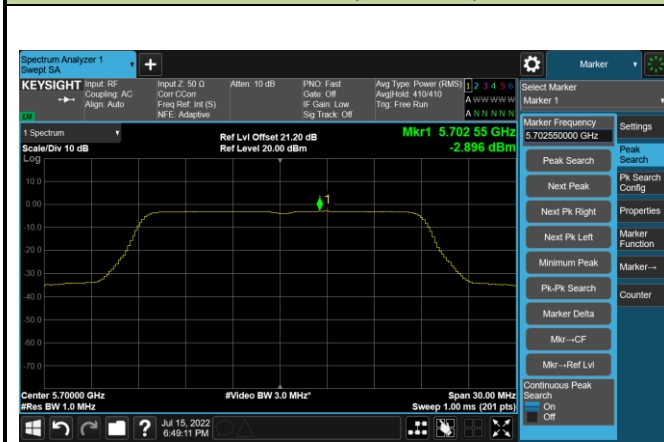
Channel 100 (5500MHz)



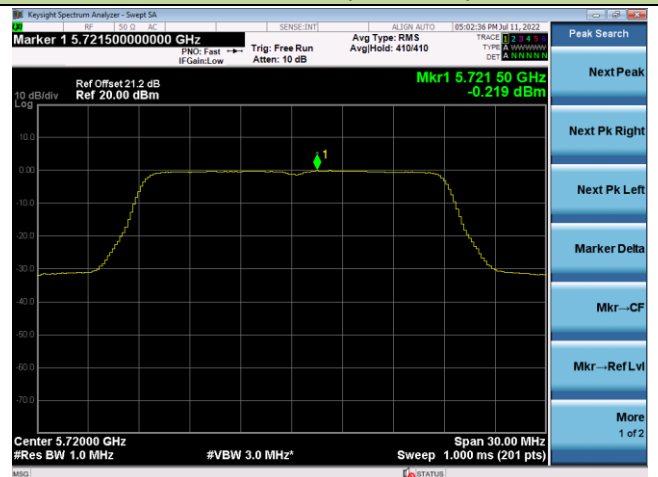
Channel 116 (5580MHz)



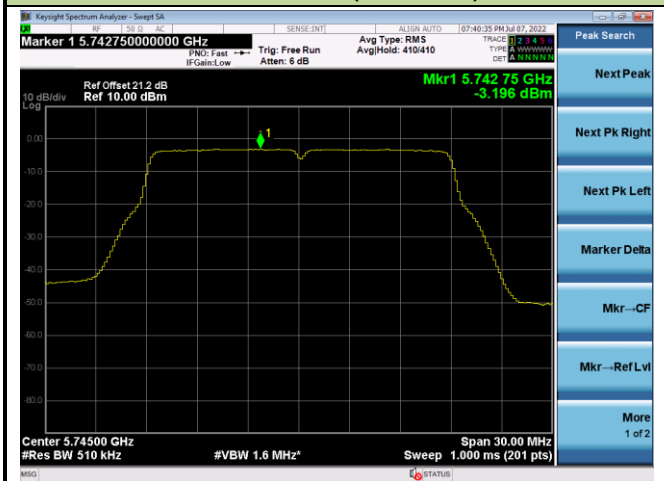
Channel 140 (5700MHz)



Channel 149 (5720MHz)

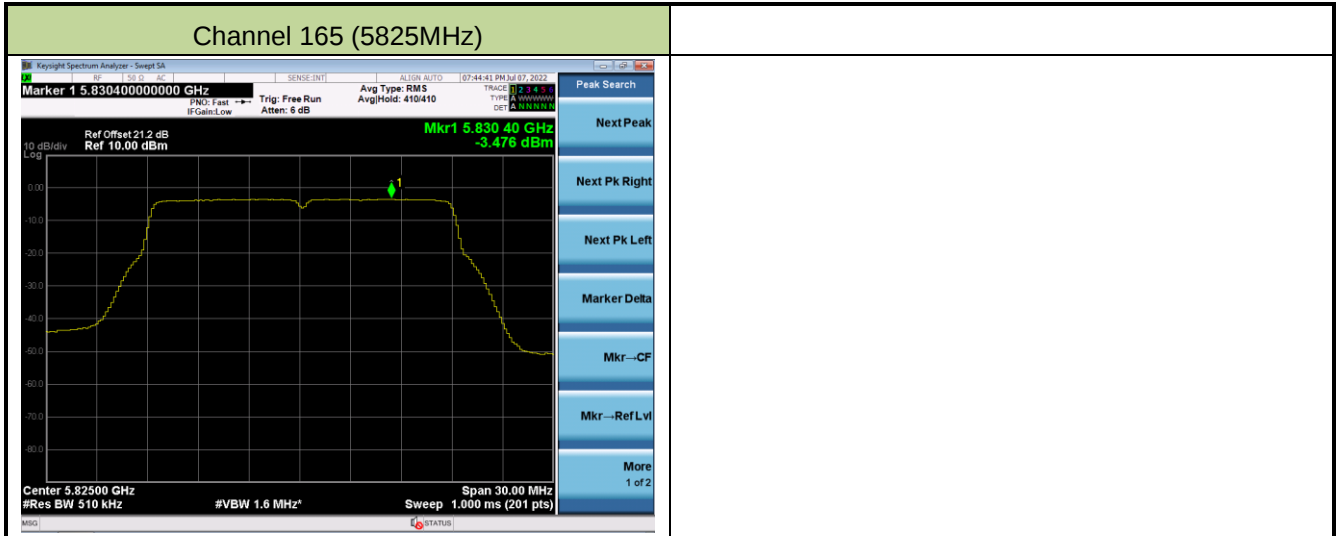


Channel 149 (5745MHz)



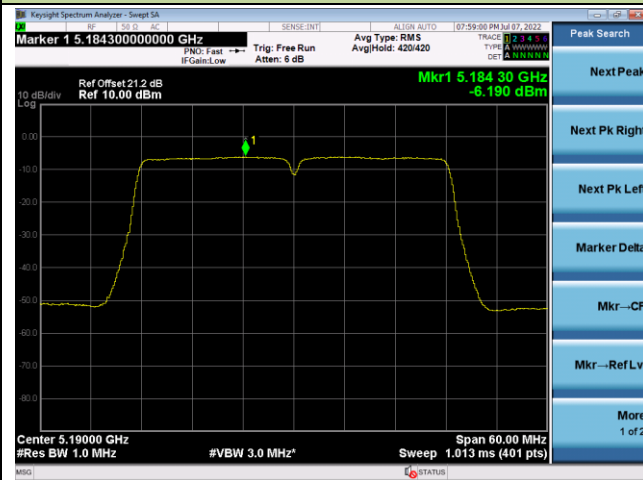
Channel 157 (5785MHz)



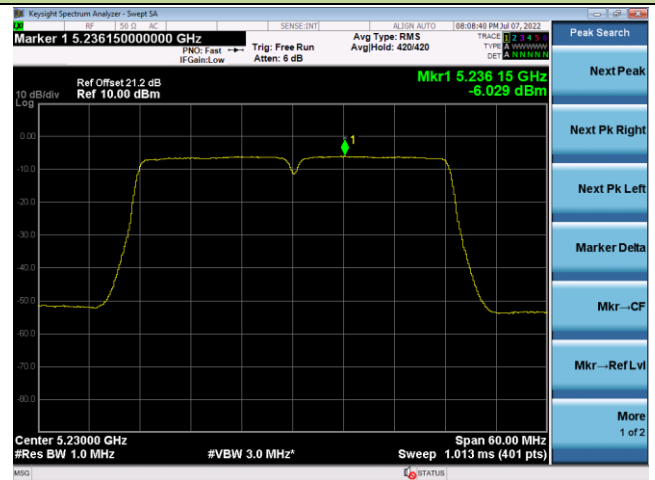


802.11ac-VHT40 Power Spectral Density – Ant 0

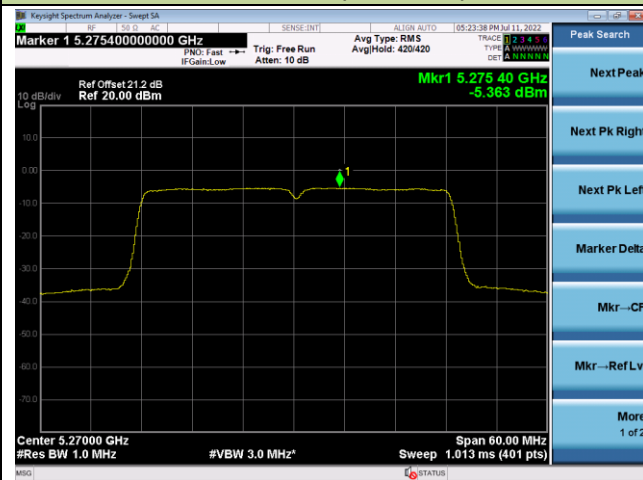
Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



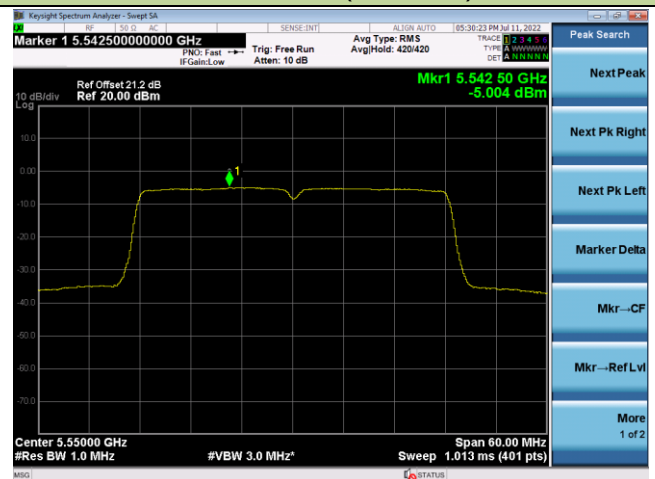
Channel 62 (5310MHz)



Channel 102 (5510MHz)

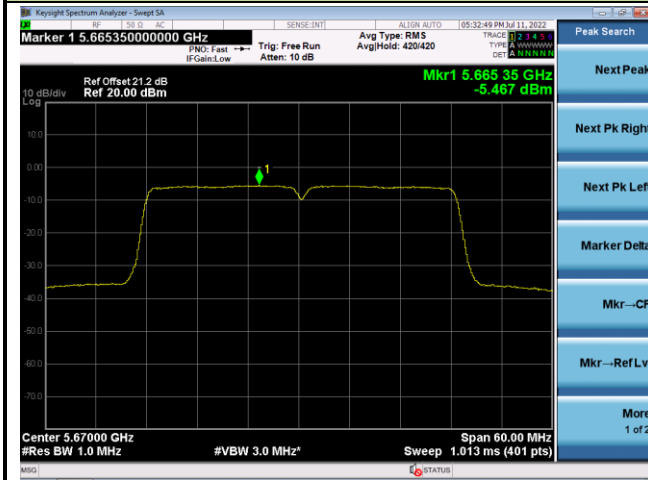


Channel 110 (5550MHz)

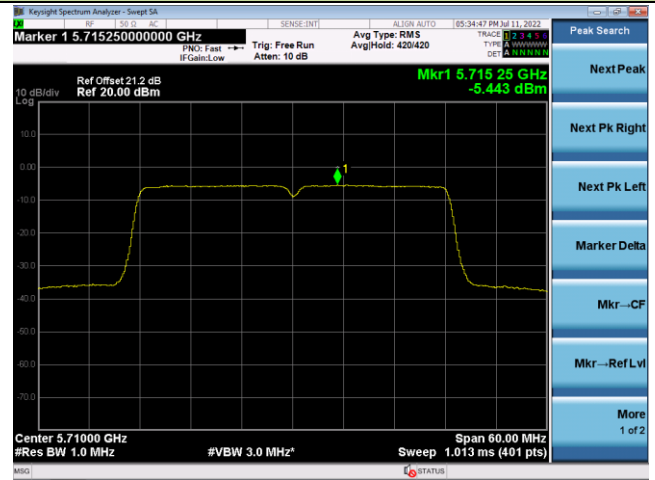


802.11ac-VHT40 Power Spectral Density – Ant 0

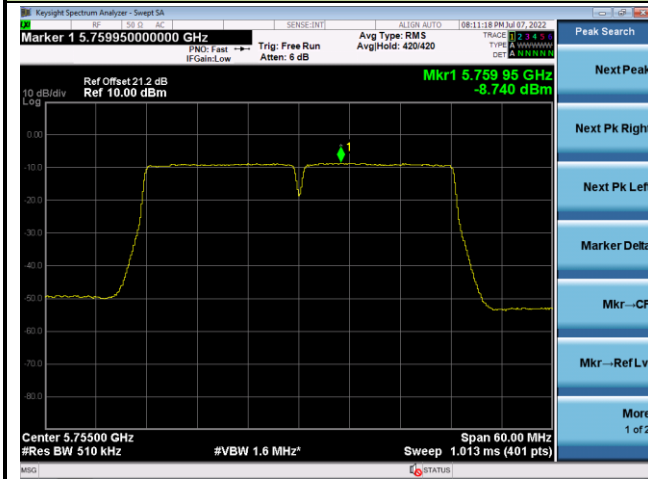
Channel 134 (5670MHz)



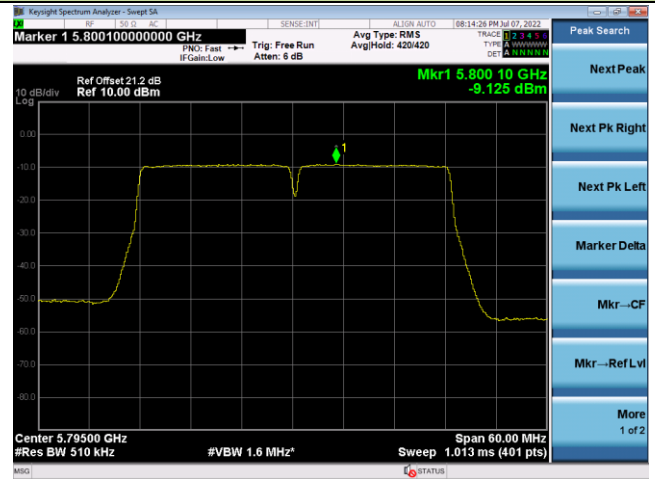
Channel 142 (5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)

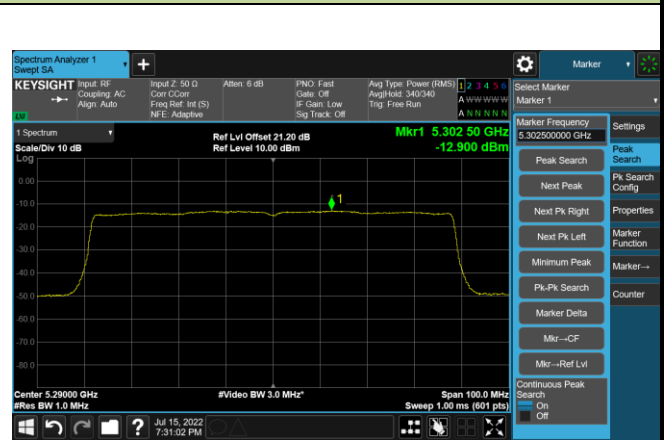


802.11ac-VHT80 Power Spectral Density – Ant 0

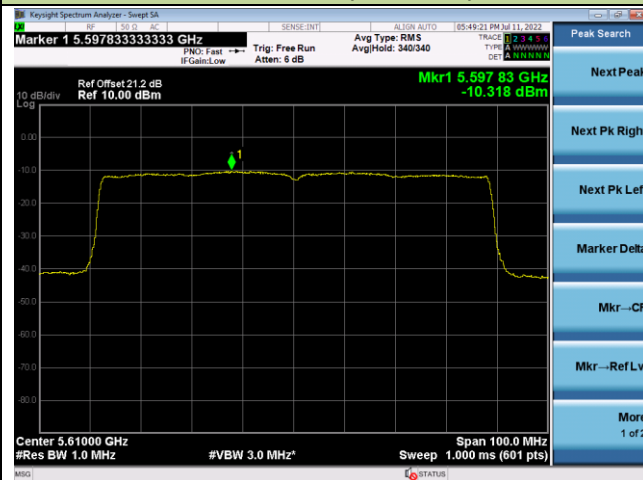
Channel 42 (5210MHz)



Channel 58 (5290MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)

