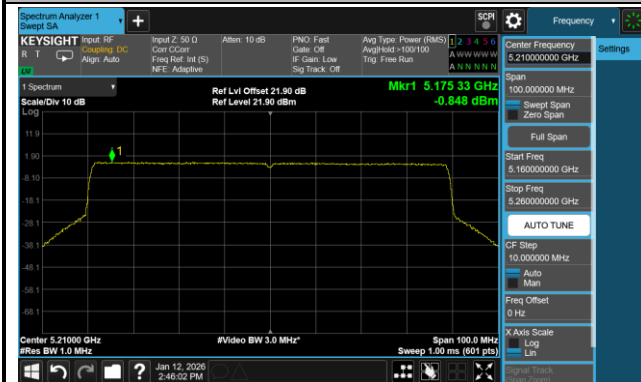
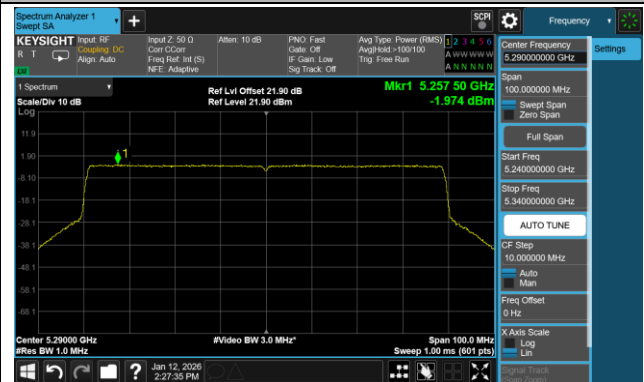


802.11be-EHT80 Power Spectral Density - Ant 3

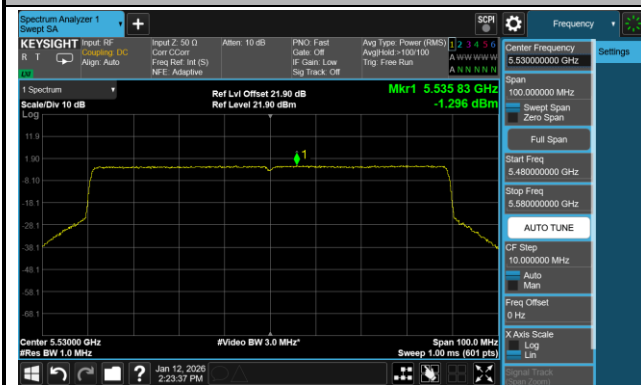
Channel 42 (5210 MHz)



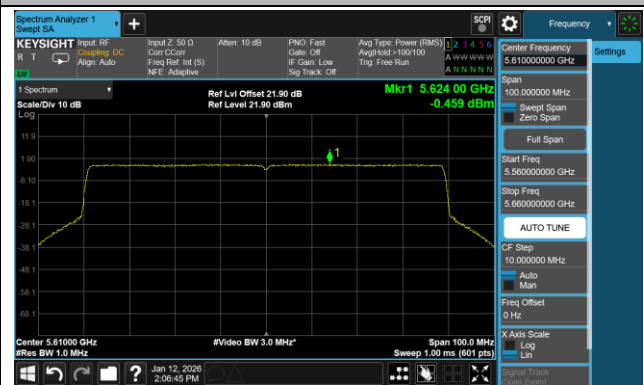
Channel 58 (5290 MHz)



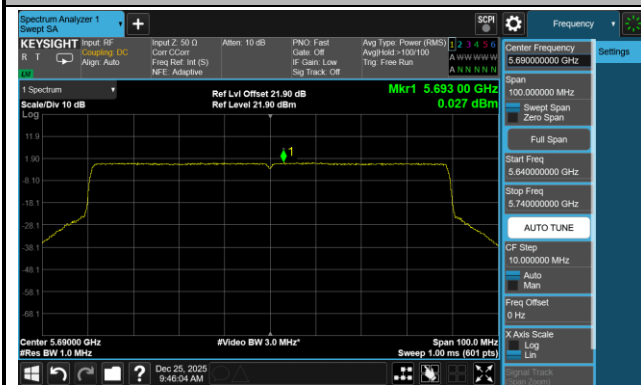
Channel 106 (5530 MHz)



Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

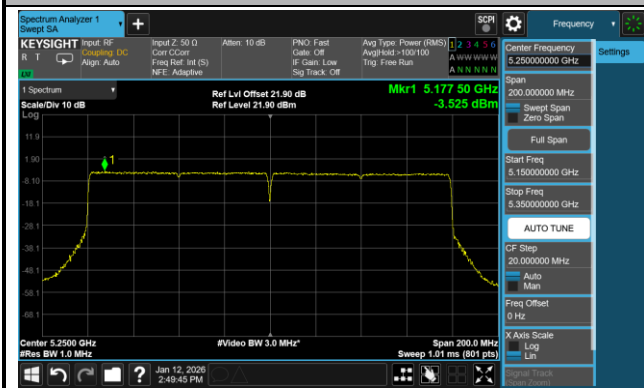


Channel 155 (5775 MHz)

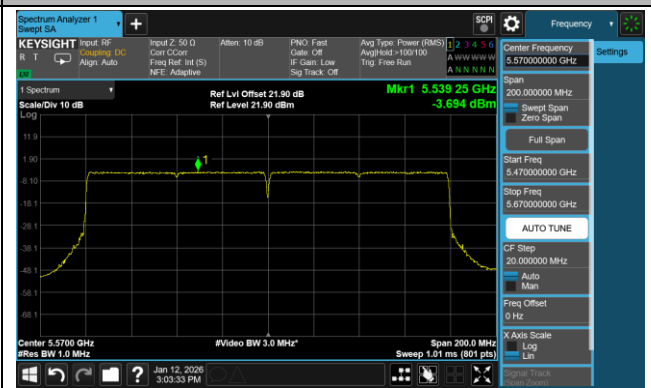


802.11be-EHT160 Power Spectral Density - Ant 3

Channel 50 (5250 MHz)



Channel 114 (5570 MHz)



WLAN Config 2 (High Band)

Test Site	WJ-SR3	Test Engineer	Ellie Wang
Test Date	2025-12-12 ~ 2026-01-13	Model No.	OAW-AP1541
Test Item	Power Spectral Density (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 4	Ant 5	Ant 6	Ant 7			
11a	6 Mbps	100	5500	3.122	3.176	3.404	3.079	99.15	9.22	9.27
11a	6 Mbps	116	5580	2.602	2.778	3.012	2.764	99.15	8.81	9.27
11a	6 Mbps	140	5700	2.715	2.812	2.888	2.795	99.15	8.82	9.27
11a	6 Mbps	144	5720	2.619	2.939	3.063	2.953	99.15	8.92	9.27
11ac-VHT20	MCS0	100	5500	2.536	2.672	2.983	2.754	97.48	8.87	9.27
11ac-VHT20	MCS0	116	5580	2.497	2.614	2.855	2.627	97.48	8.78	9.27
11ac-VHT20	MCS0	140	5700	2.485	2.649	2.827	2.748	97.48	8.81	9.27
11ac-VHT20	MCS0	144	5720	2.486	2.822	2.829	2.819	97.48	8.87	9.27
11ac-VHT40	MCS0	102	5510	2.082	2.433	2.711	2.300	97.17	8.53	9.27
11ac-VHT40	MCS0	110	5550	2.573	2.322	2.247	2.678	97.17	8.60	9.27
11ac-VHT40	MCS0	134	5670	3.121	3.109	3.034	3.076	97.17	9.23	9.27
11ac-VHT40	MCS0	142	5710	2.863	2.687	2.662	2.773	97.17	8.89	9.27
11ac-VHT80	MCS0	106	5530	-0.894	-0.959	-0.516	-1.163	97.17	5.27	9.27
11ac-VHT80	MCS0	122	5610	-0.127	-0.161	0.119	-0.263	97.17	6.04	9.27
11ac-VHT80	MCS0	138	5690	0.472	0.343	0.688	0.664	97.17	6.69	9.27
11ac-VHT160	MCS0	114	5570	-3.334	-3.071	-3.236	-3.045	97.34	2.97	9.27
11be-EHT20	MCS0	100	5500	2.549	2.833	2.923	2.781	97.81	8.89	9.27
11be-EHT20	MCS0	116	5580	2.528	2.886	2.992	2.937	97.81	8.96	9.27
11be-EHT20	MCS0	140	5700	2.537	2.949	3.175	2.995	97.81	9.04	9.27
11be-EHT20	MCS0	144	5720	2.623	3.066	3.263	2.923	97.81	9.09	9.27
11be-EHT40	MCS0	102	5510	1.831	2.083	2.569	2.231	97.22	8.33	9.27
11be-EHT40	MCS0	110	5550	1.865	2.510	2.785	2.381	97.22	8.54	9.27
11be-EHT40	MCS0	134	5670	2.785	2.616	3.255	2.750	97.22	9.00	9.27
11be-EHT40	MCS0	142	5710	2.658	2.911	2.616	2.515	97.22	8.82	9.27
11be-EHT80	MCS0	106	5530	-0.799	-0.794	-0.323	-0.988	96.70	5.45	9.27
11be-EHT80	MCS0	122	5610	-0.558	-0.102	0.285	-0.182	96.70	6.04	9.27
11be-EHT80	MCS0	138	5690	0.404	0.424	0.726	0.473	96.70	6.68	9.27
11be-EHT160	MCS0	114	5570	-3.600	-3.243	-2.803	-3.328	97.81	2.88	9.27

Note 1:

Duty Cycle < 98%, Total PSD (dBm/MHz) = $10 \times \log \{10^{(\text{Ant 4 AVPSD}/10)} + 10^{(\text{Ant 5 AVPSD}/10)} + 10^{(\text{Ant 6 AVPSD}/10)} + 10^{(\text{Ant 7 AVPSD}/10)}\} + 10 \times \log (1/\text{Duty cycle})$;

Duty Cycle $\geq$ 98%, Total PSD (dBm/MHz) = $10 \times \log \{10^{(\text{Ant 4 AVPSD}/10)} + 10^{(\text{Ant 5 AVPSD}/10)} + 10^{(\text{Ant 6 AVPSD}/10)} + 10^{(\text{Ant 7 AVPSD}/10)}\}$.

Note 2:

For 5470 ~ 5725 MHz Band: PSD Limit (dBm/MHz) = $11 - (7.73 - 6) = 9.27$ dBm/MHz.

Test Site	WJ-SR3	Test Engineer	Ellie Wang
Test Date	2025-12-12 ~ 2026-01-13	Model No.	OAW-AP1541
Test Item	Power Spectral Density (UNII-Band 3)		

Test Mode	Data Rate / MCS	Channel No.	Freq (MHz)	AVPSD (dBm/510 kHz)				Duty Cycle (%)	Total PSD (dBm/ 510 kHz)	PSD Limit (dBm/ 500 kHz)
				Ant 4	Ant 5	Ant 6	Ant 7			
11a	6 Mbps	149	5745	3.095	3.034	3.759	2.965	99.15	9.25	≤ 28.70
11a	6 Mbps	157	5785	3.327	3.653	3.800	3.636	99.15	9.63	≤ 28.70
11a	6 Mbps	165	5825	3.191	1.089	3.625	2.988	99.15	8.84	≤ 28.70
11ac-VHT20	MCS0	149	5745	2.916	3.261	3.593	3.299	97.48	9.41	≤ 28.70
11ac-VHT20	MCS0	157	5785	2.994	3.264	3.514	3.062	97.48	9.34	≤ 28.70
11ac-VHT20	MCS0	165	5825	2.674	2.831	2.913	3.162	97.48	9.03	≤ 28.70
11ac-VHT40	MCS0	151	5755	0.529	0.816	1.141	1.016	97.17	7.03	≤ 28.70
11ac-VHT40	MCS0	159	5795	1.014	1.446	1.270	1.099	97.17	7.36	≤ 28.70
11ac-VHT80	MCS0	155	5775	-2.225	-1.958	-1.890	-1.850	97.17	4.17	≤ 28.70
11be-EHT20	MCS0	149	5745	2.871	1.903	2.922	2.217	97.81	8.62	≤ 28.70
11be-EHT20	MCS0	157	5785	2.982	2.301	2.869	3.408	97.81	9.02	≤ 28.70
11be-EHT20	MCS0	165	5825	2.609	2.839	2.820	3.011	97.81	8.94	≤ 28.70
11be-EHT40	MCS0	151	5755	0.331	0.503	0.711	0.603	97.22	6.68	≤ 28.70
11be-EHT40	MCS0	159	5795	0.629	0.934	0.970	1.059	97.22	7.04	≤ 28.70
11be-EHT80	MCS0	155	5775	-2.403	-2.160	-2.003	-2.123	96.70	4.00	≤ 28.70

Note 1:

Duty Cycle < 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 4 AVPSD}/10)} + 10^{(\text{Ant 5 AVPSD}/10)} + 10^{(\text{Ant 6 AVPSD}/10)} + 10^{(\text{Ant 7 AVPSD}/10)}\} + 10 \times \log (1/\text{Duty cycle})$;

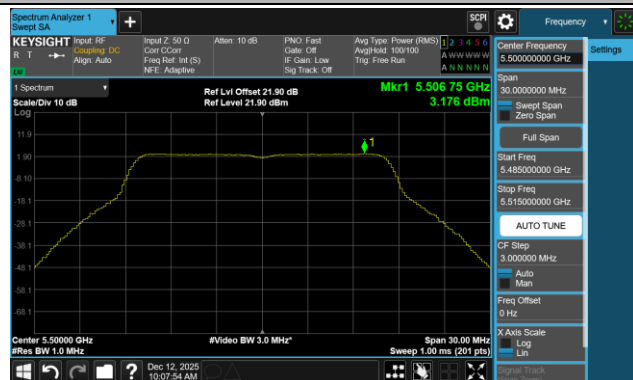
Duty Cycle ≥ 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 4 AVPSD}/10)} + 10^{(\text{Ant 5 AVPSD}/10)} + 10^{(\text{Ant 6 AVPSD}/10)} + 10^{(\text{Ant 7 AVPSD}/10)}\}$.

Note 2:

PSD Limit (dBm/500 kHz) = 30 - (7.30 - 6) = 28.70 dBm/500 kHz.

802.11a Power Spectral Density - Ant 4

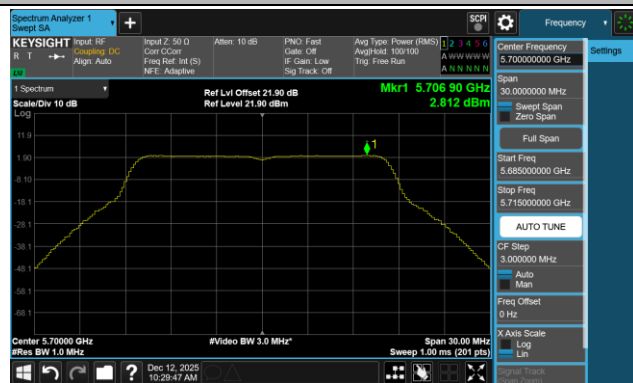
Channel 100 (5500 MHz)



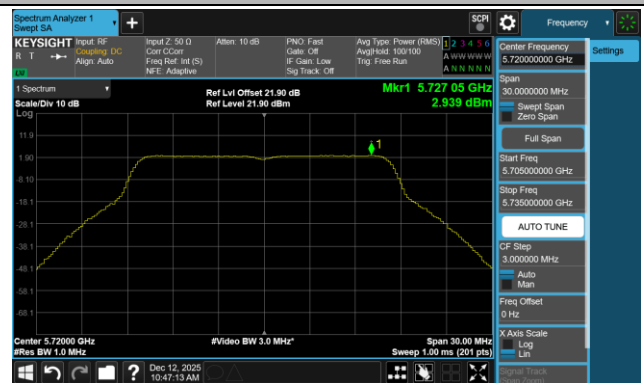
Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)



Channel 157 (5785 MHz)



Channel 165 (5825 MHz)



802.11ac-VHT20 Power Spectral Density - Ant 4

Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



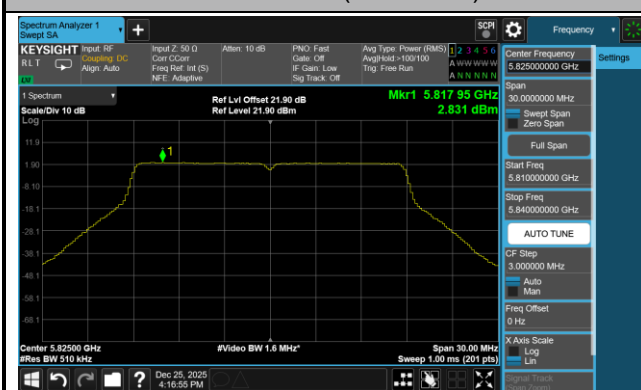
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)



Channel 165 (5825 MHz)

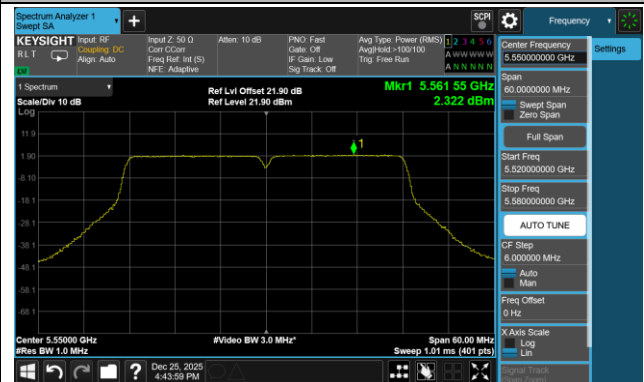


802.11ac-VHT40 Power Spectral Density - Ant 4

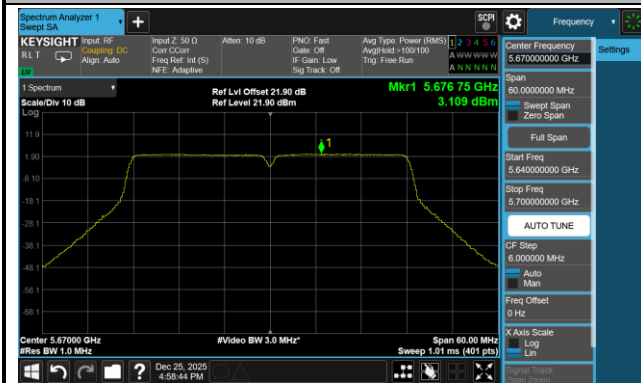
Channel 102 (5510 MHz)



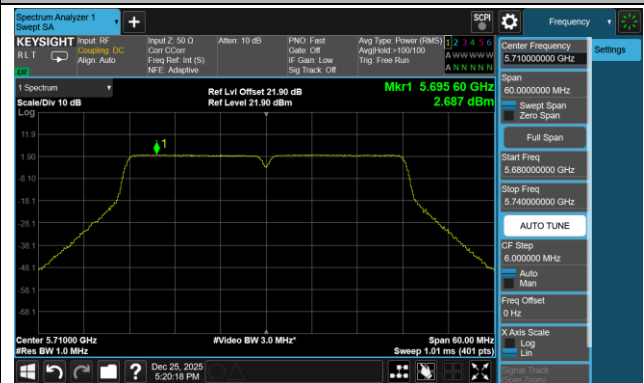
Channel 110 (5550 MHz)



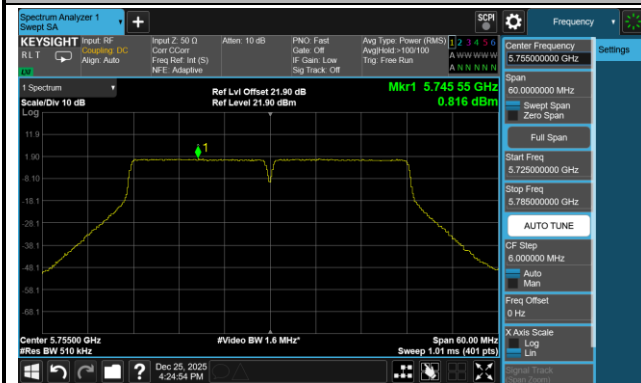
Channel 134 (5670 MHz)



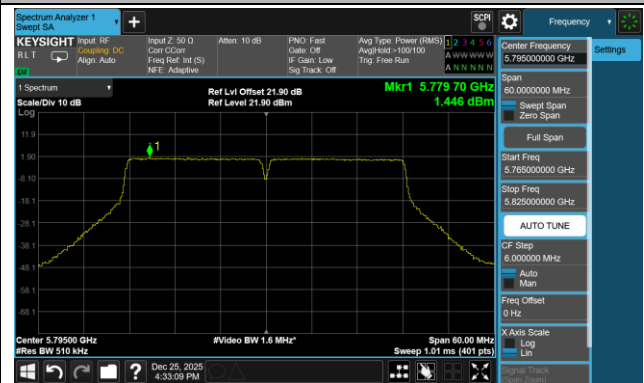
Channel 142(5710 MHz)



Channel 151 (5755 MHz)

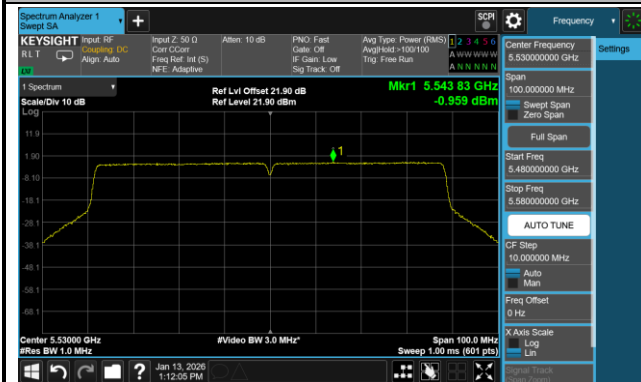


Channel 159 (5795 MHz)

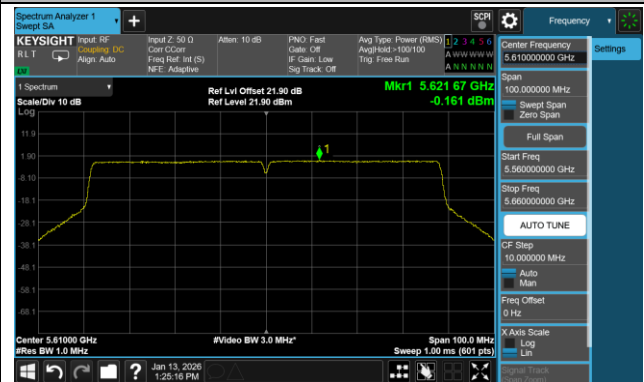


802.11ac-VHT80 Power Spectral Density - Ant 4

Channel 106 (5530 MHz)



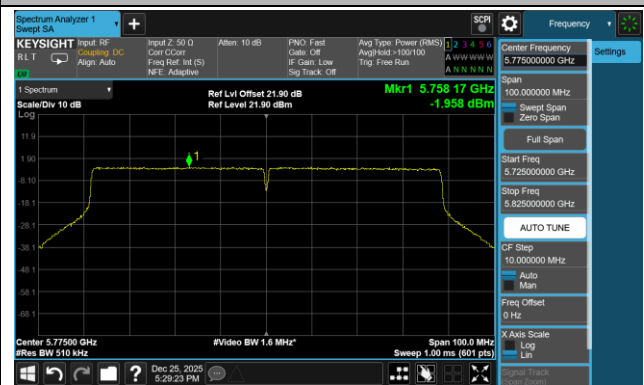
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

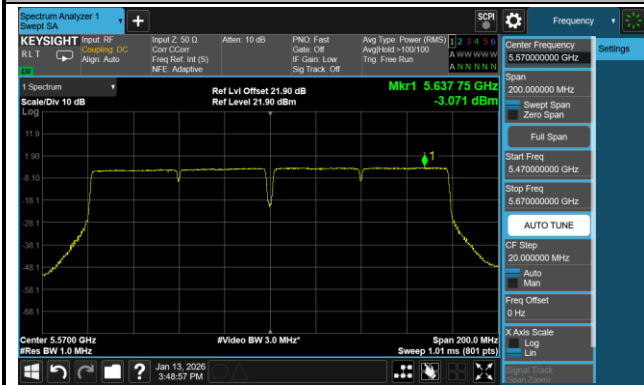


Channel 155 (5775 MHz)



802.11ac-VHT160 Power Spectral Density - Ant 0

Channel 114 (5570 MHz)



802.11be-EHT20 Power Spectral Density - Ant 4

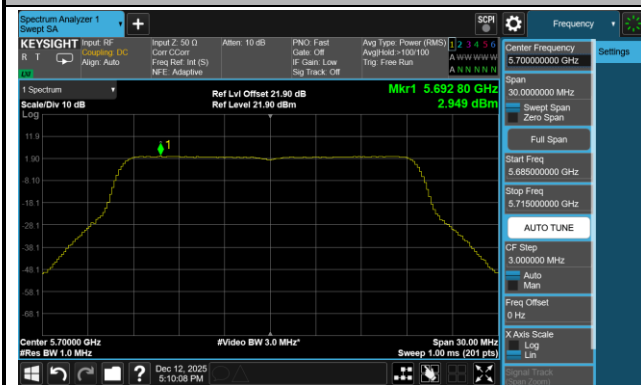
Channel 100 (5500 MHz)



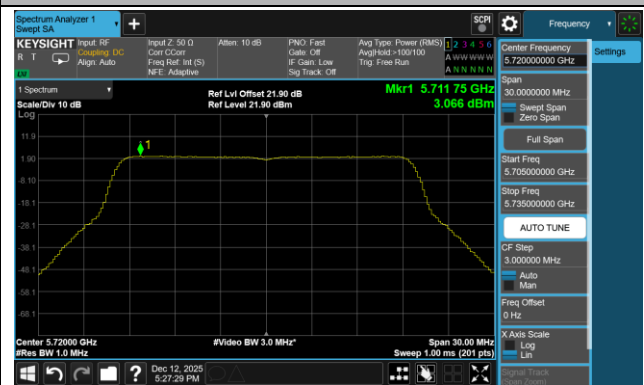
Channel 116 (5580 MHz)



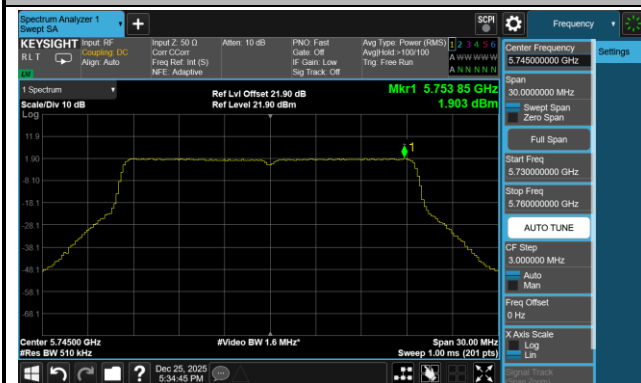
Channel 140 (5700 MHz)



Channel 144(5720 MHz)



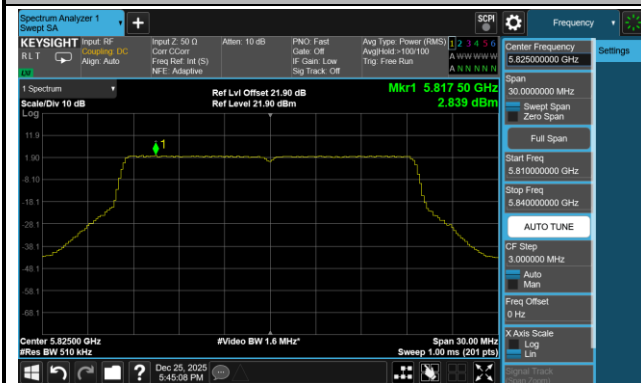
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)



Channel 165 (5825 MHz)

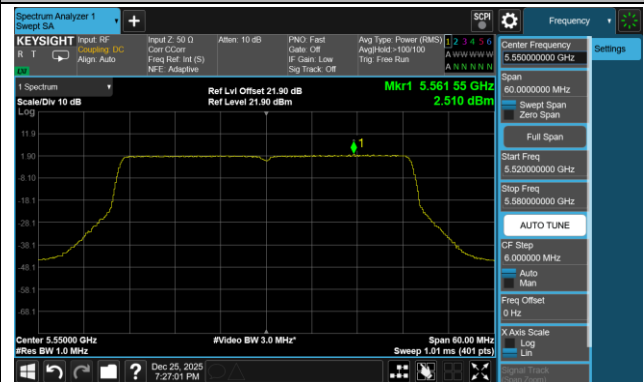


802.11be-EHT40 Power Spectral Density - Ant 0

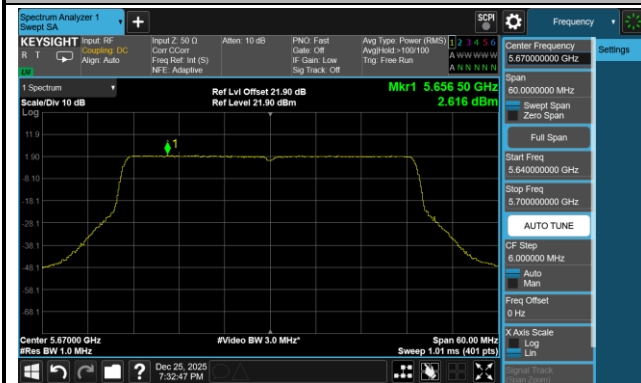
Channel 102 (5510 MHz)



Channel 110 (5550 MHz)



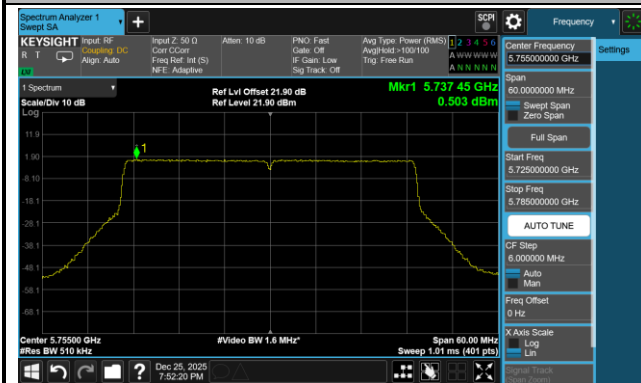
Channel 134 (5670 MHz)



Channel 142(5710 MHz)



Channel 151 (5755 MHz)

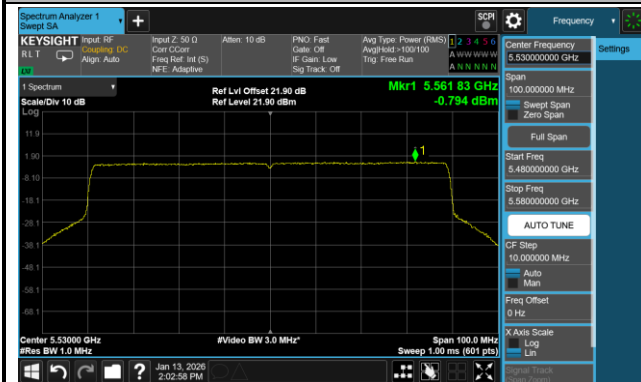


Channel 159 (5795 MHz)

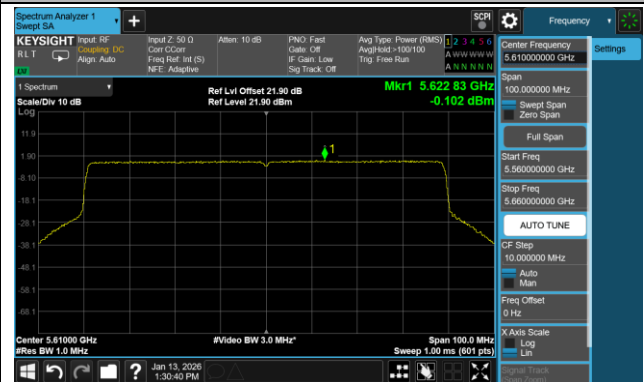


802.11be-EHT80 Power Spectral Density - Ant 0

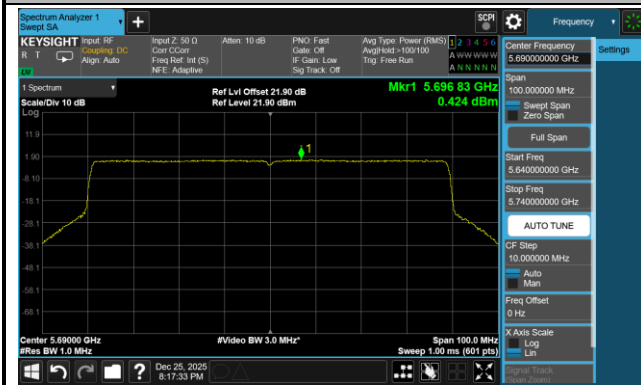
Channel 106 (5530 MHz)



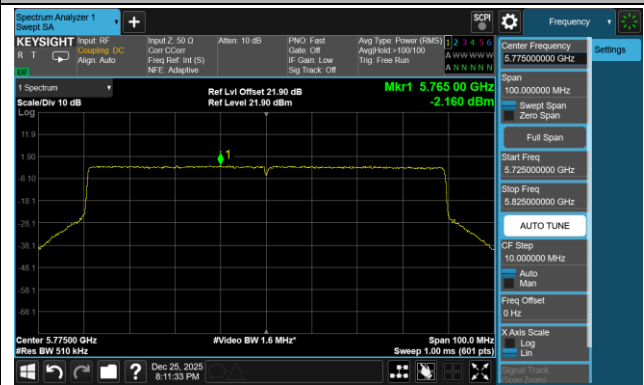
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

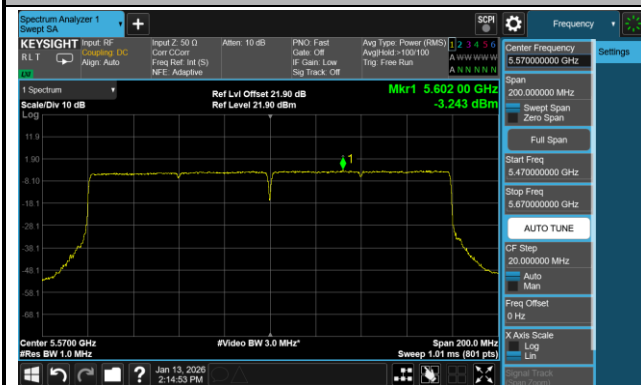


Channel 155 (5775 MHz)



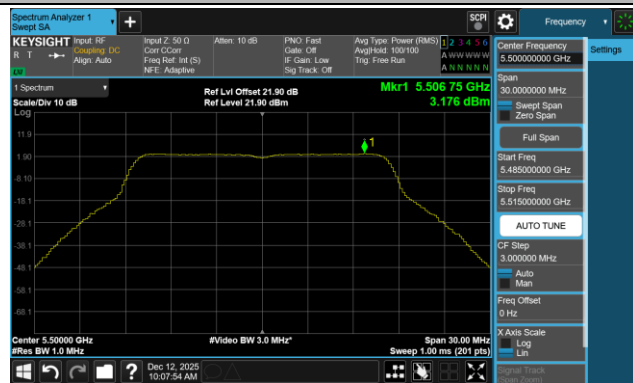
802.11be-EHT160 Power Spectral Density - Ant 0

Channel 114 (5570 MHz)



802.11a Power Spectral Density - Ant 5

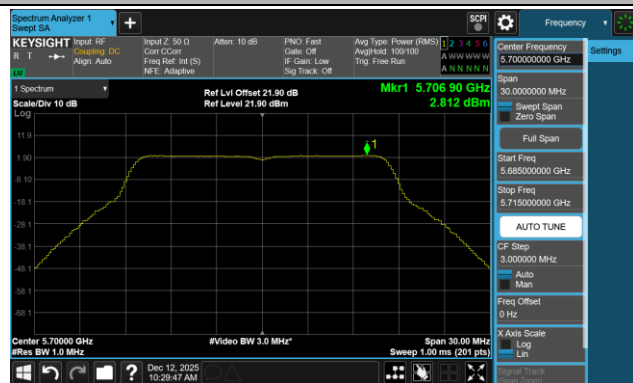
Channel 100 (5500 MHz)



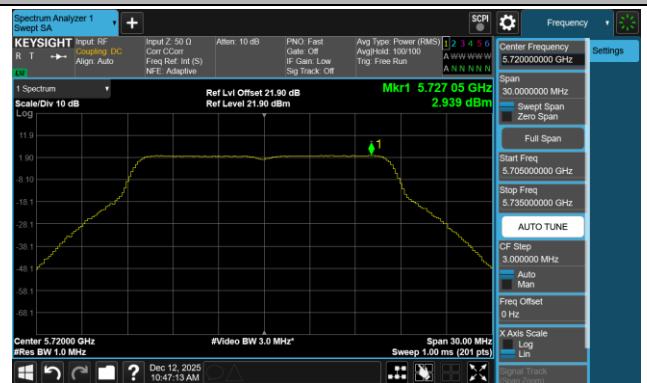
Channel 116 (5580 MHz)



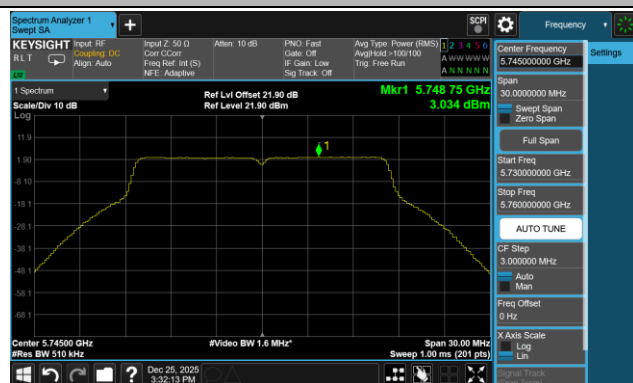
Channel 140 (5700 MHz)



Channel 144(5720 MHz)



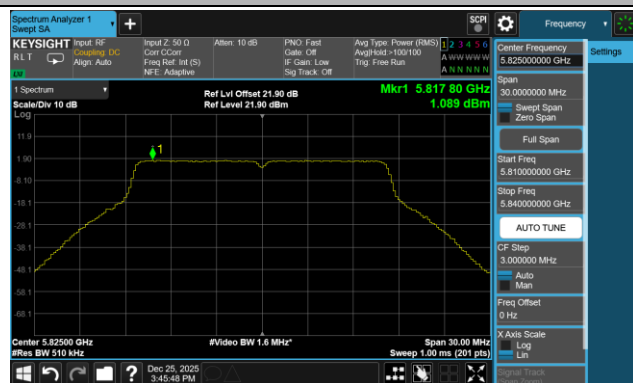
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)



Channel 165 (5825 MHz)



802.11ac-VHT20 Power Spectral Density - Ant 5

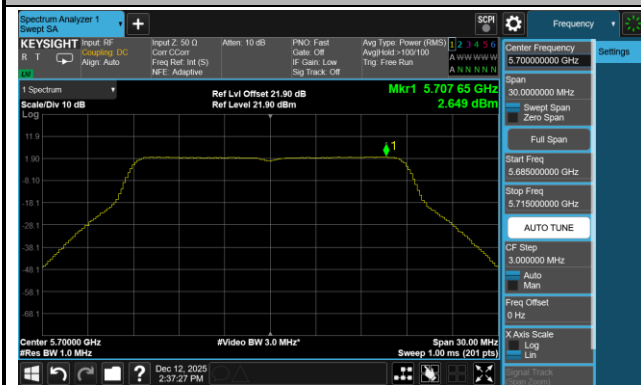
Channel 100 (5500 MHz)



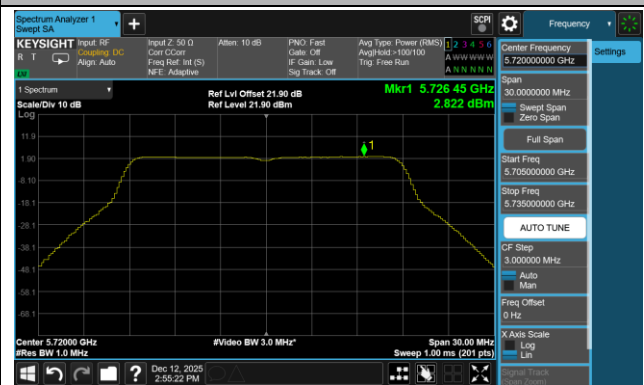
Channel 116 (5580 MHz)



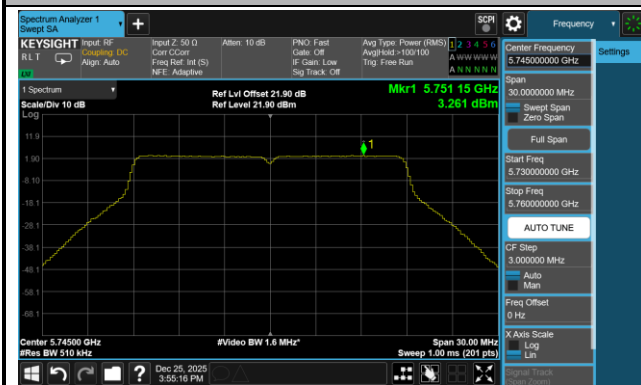
Channel 140 (5700 MHz)



Channel 144(5720 MHz)



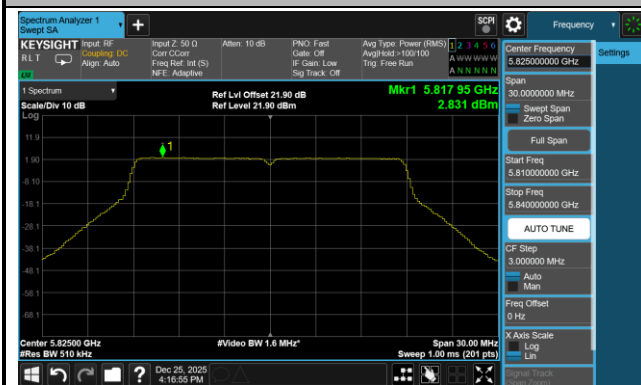
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

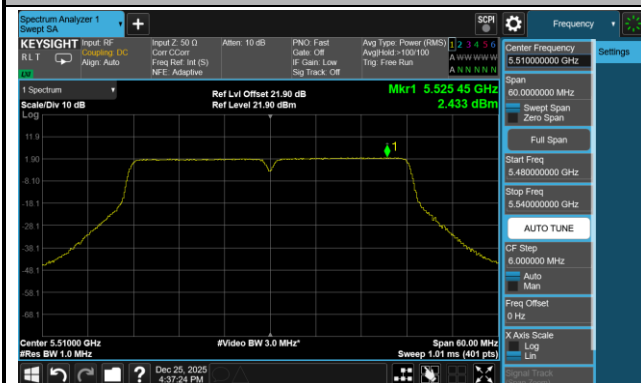


Channel 165 (5825 MHz)

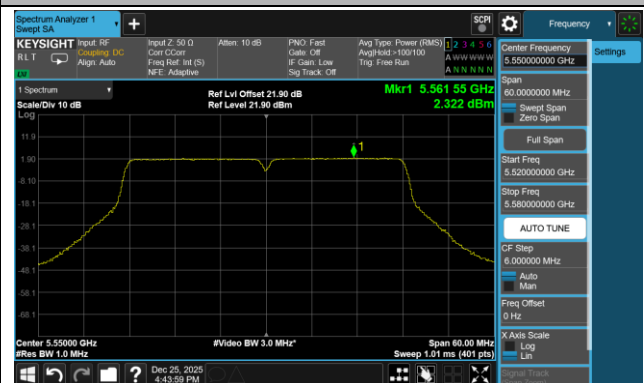


802.11ac-VHT40 Power Spectral Density - Ant 5

Channel 102 (5510 MHz)



Channel 110 (5550 MHz)



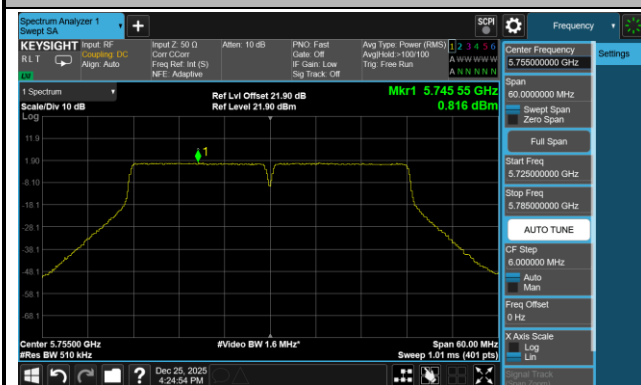
Channel 134 (5670 MHz)



Channel 142(5710 MHz)



Channel 151 (5755 MHz)

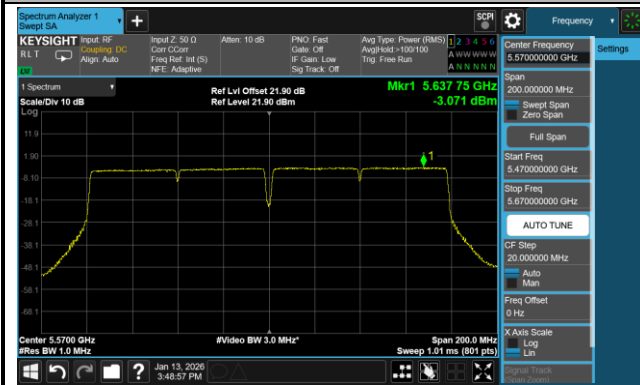


Channel 159 (5795 MHz)



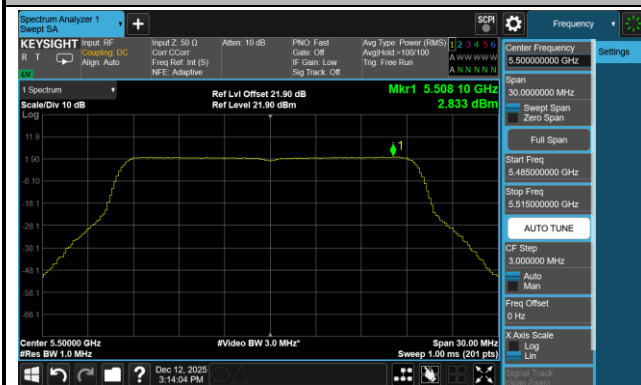
802.11ac-VHT160 Power Spectral Density - Ant 5

Channel 114 (5570 MHz)



802.11be-EHT20 Power Spectral Density - Ant 5

Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



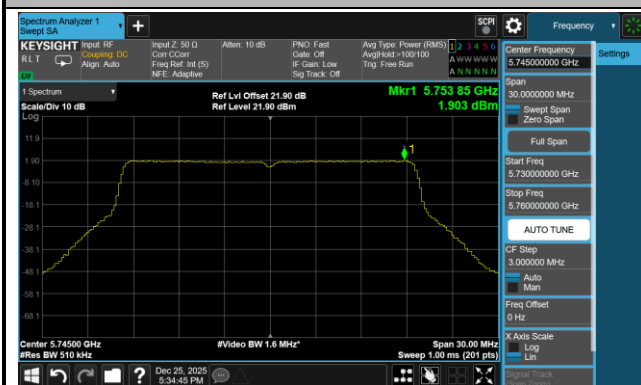
Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)



Channel 157 (5785 MHz)



Channel 165 (5825 MHz)

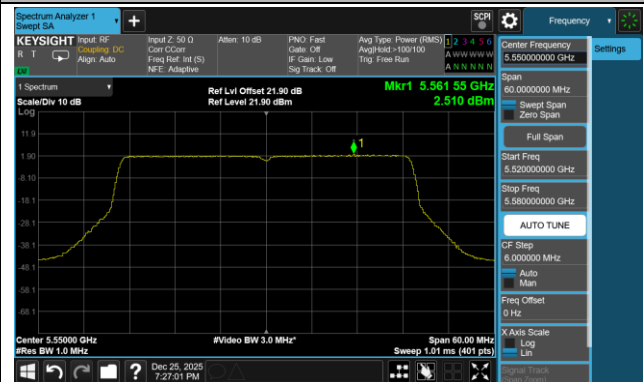


802.11be-EHT40 Power Spectral Density - Ant 5

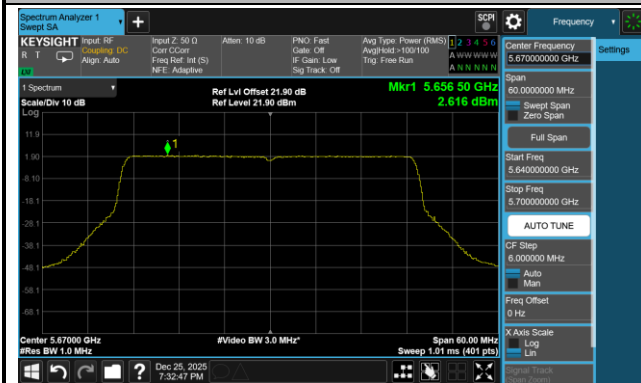
Channel 102 (5510 MHz)



Channel 110 (5550 MHz)



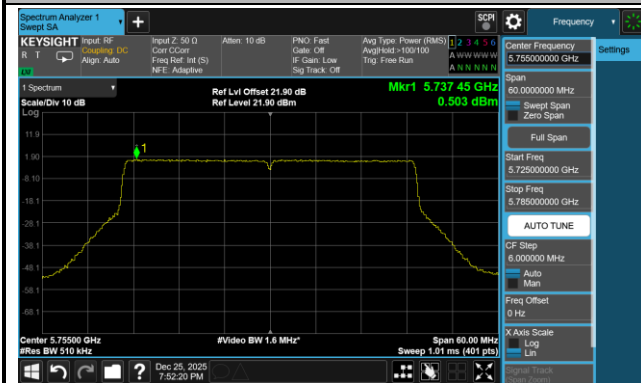
Channel 134 (5670 MHz)



Channel 142(5710 MHz)



Channel 151 (5755 MHz)

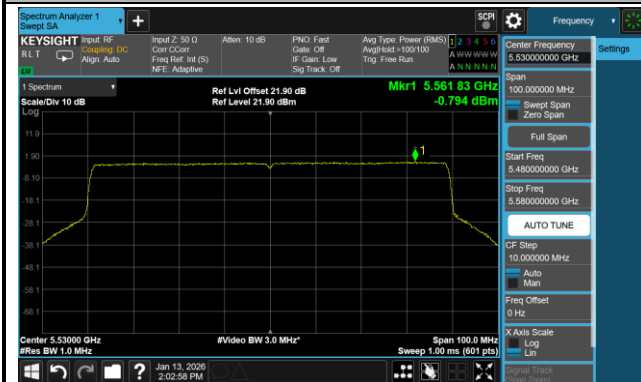


Channel 159 (5795 MHz)

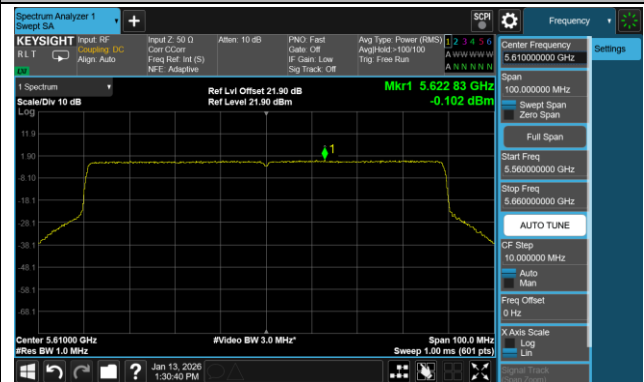


802.11be-EHT80 Power Spectral Density - Ant 5

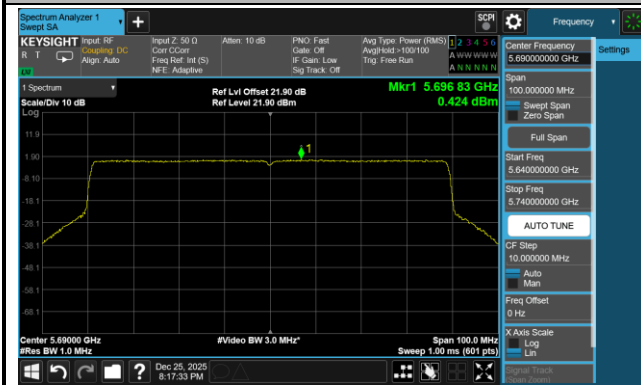
Channel 106 (5530 MHz)



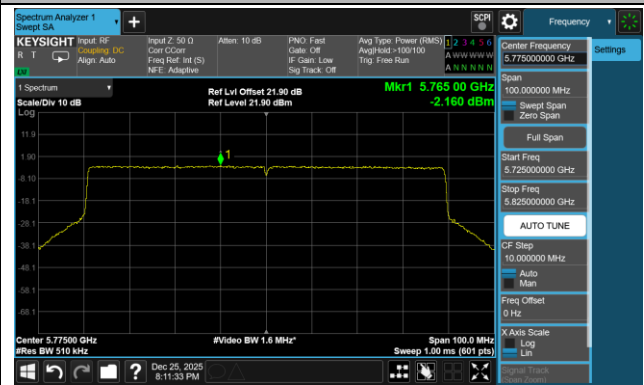
Channel 122 (5610 MHz)

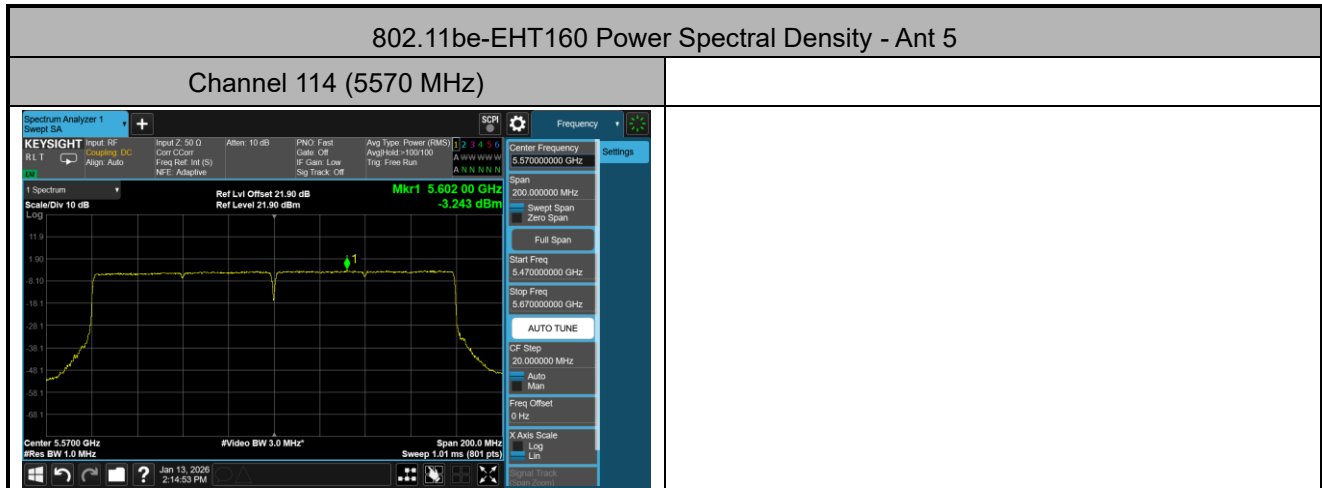


Channel 138 (5690 MHz)



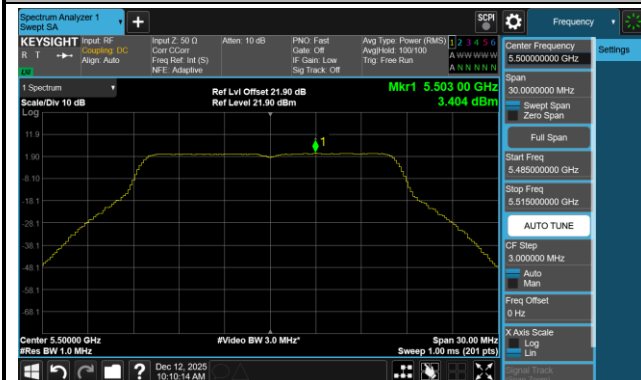
Channel 155 (5775 MHz)





802.11a Power Spectral Density - Ant 6

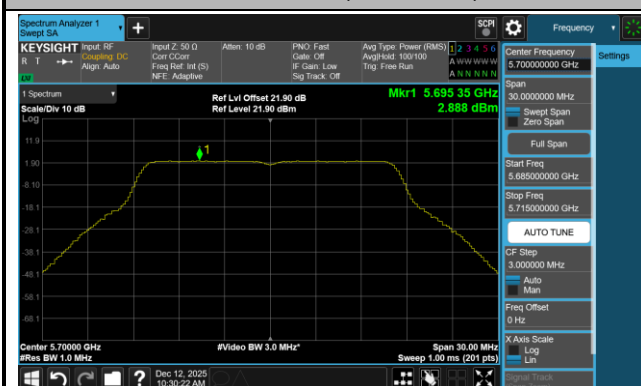
Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



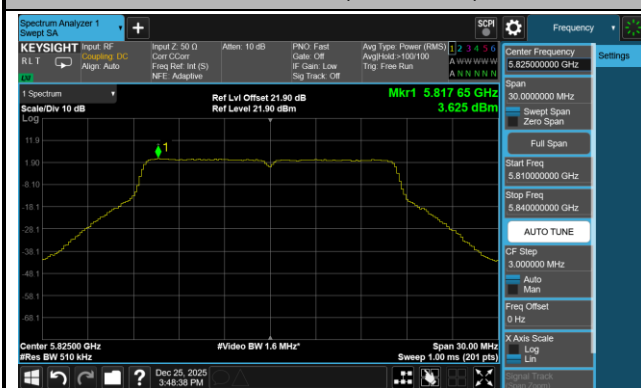
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

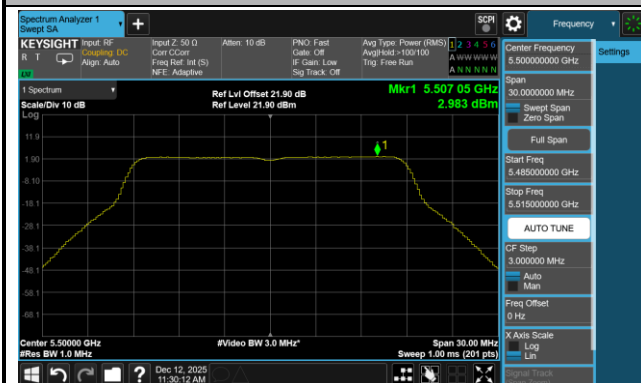


Channel 165 (5825 MHz)



802.11ac-VHT20 Power Spectral Density - Ant 6

Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



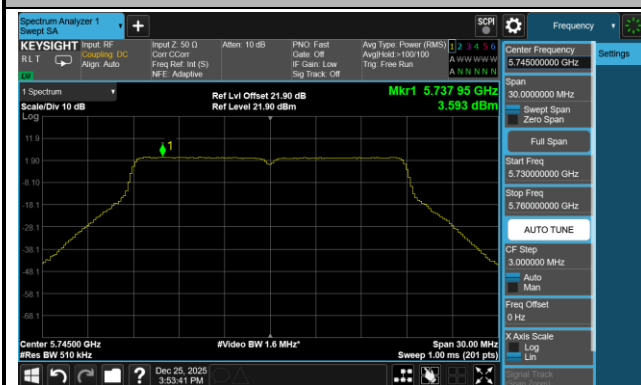
Channel 140 (5700 MHz)



Channel 144(5720 MHz)



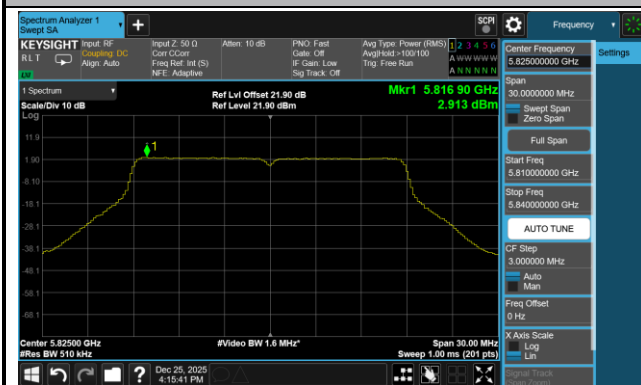
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

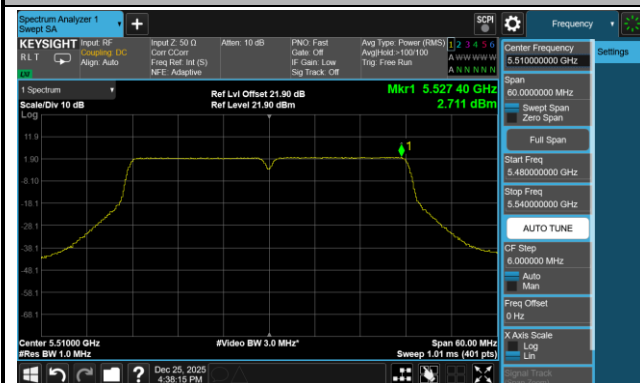


Channel 165 (5825 MHz)

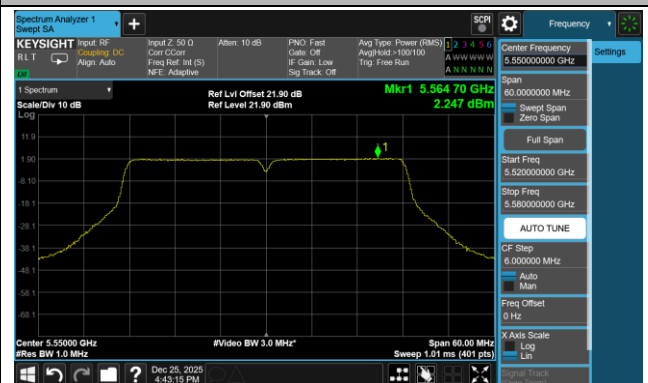


802.11ac-VHT40 Power Spectral Density - Ant 6

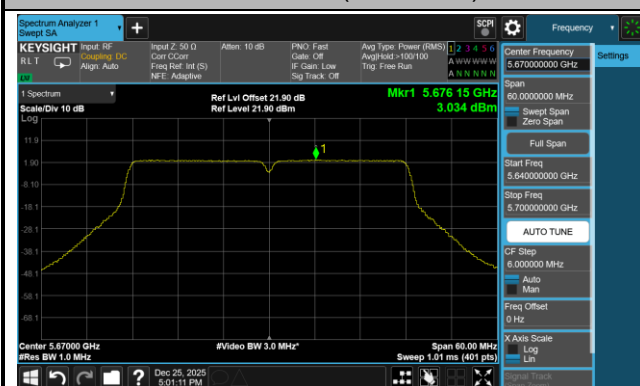
Channel 102 (5510 MHz)



Channel 110 (5550 MHz)



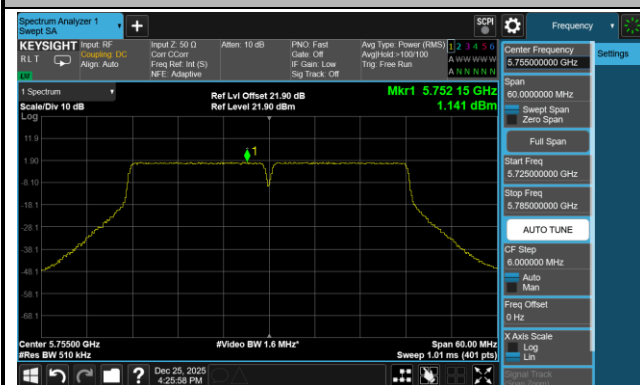
Channel 134 (5670 MHz)



Channel 142(5710 MHz)



Channel 151 (5755 MHz)



Channel 159 (5795 MHz)

