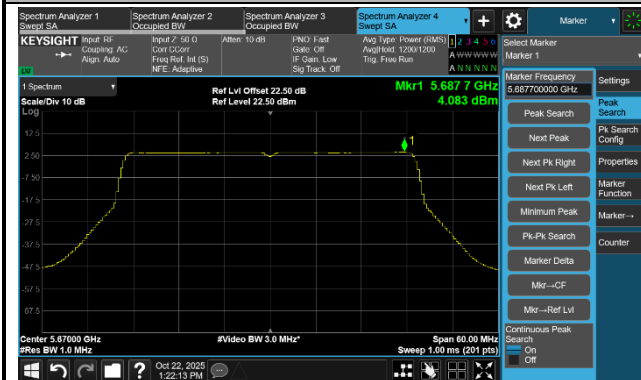
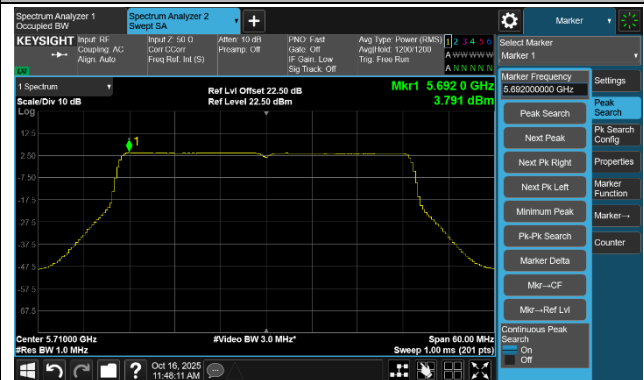


802.11be-EHT40 Power Spectral Density - Ant 1

Channel 134 (5670 MHz)



Channel 142(5710 MHz)



Channel 151 (5755 MHz)

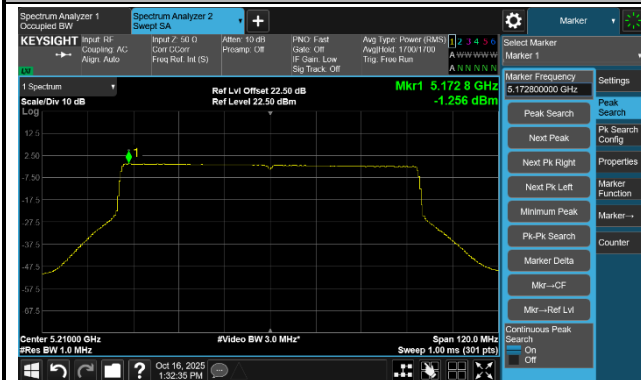


Channel 159 (5795 MHz)

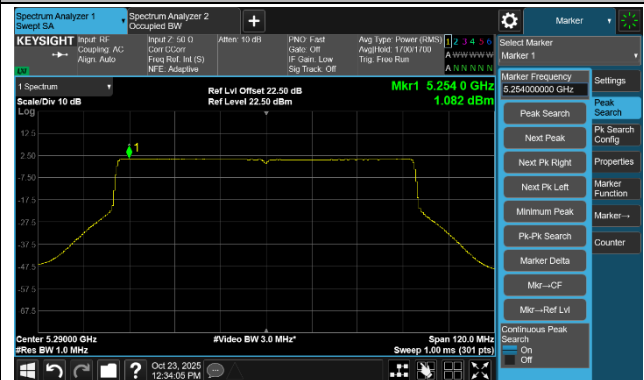


802.11be-EHT80 Power Spectral Density - Ant 1

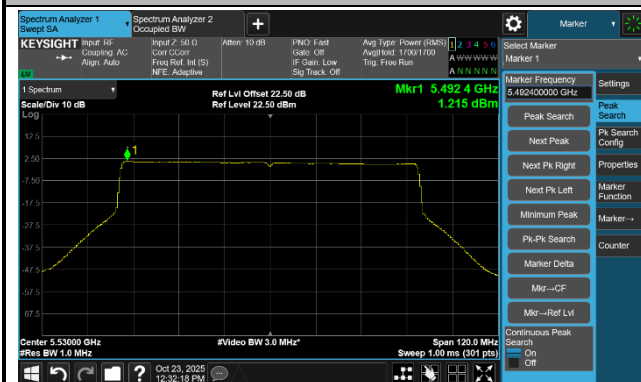
Channel 42 (5210 MHz)



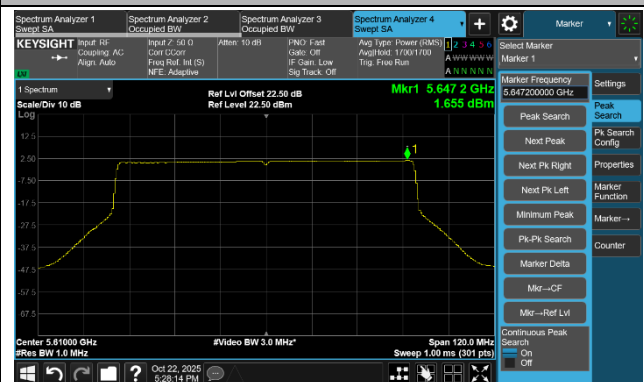
Channel 58 (5290 MHz)



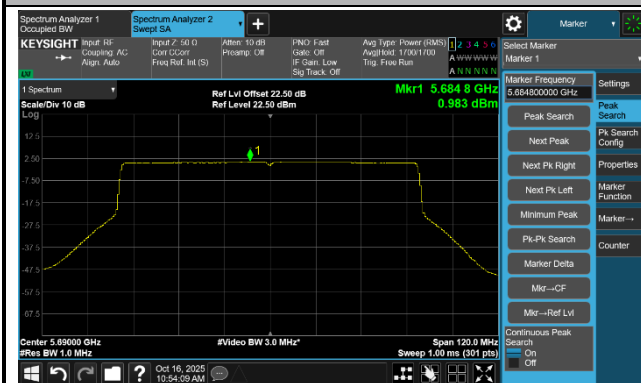
Channel 106 (5530 MHz)



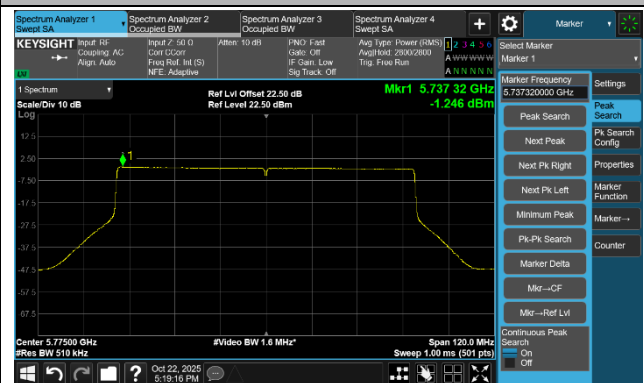
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

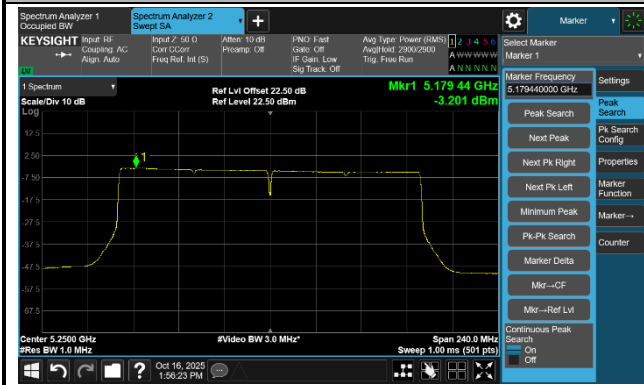


Channel 155 (5775 MHz)

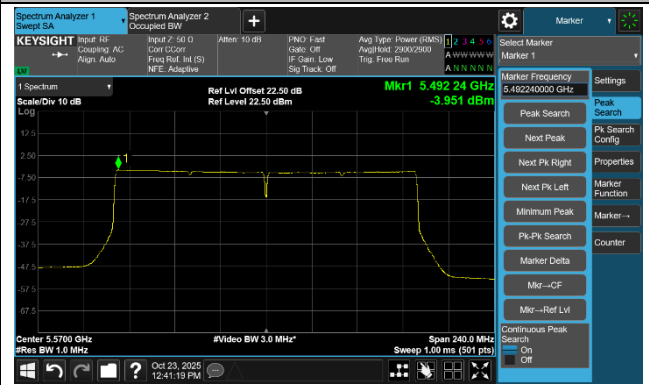


802.11be-EHT160 Power Spectral Density - Ant 1

Channel 50 (5250 MHz)



Channel 114 (5570 MHz)



WLAN Config 2:

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-10-17 ~ 2025-10-23	Model No.	OAW-AP1561
Test Item	Power Spectral Density (UNII-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			
11a	6 Mbps	100	5500	6.113	6.236	99.09	9.185	≤ 9.23
11a	6 Mbps	116	5580	5.327	5.478	99.09	8.413	≤ 9.23
11a	6 Mbps	140	5700	5.306	5.688	99.09	8.511	≤ 9.23
11a	6 Mbps	144	5720	5.502	5.616	99.09	8.570	≤ 9.23
11ac-VHT20	MCS0	100	5500	5.744	5.868	96.44	8.974	≤ 9.23
11ac-VHT20	MCS0	116	5580	5.436	5.720	96.44	8.748	≤ 9.23
11ac-VHT20	MCS0	140	5700	5.645	6.038	96.44	9.014	≤ 9.23
11ac-VHT20	MCS0	144	5720	5.713	5.804	96.44	8.926	≤ 9.23
11ac-VHT40	MCS0	102	5510	3.360	3.347	96.79	6.505	≤ 9.23
11ac-VHT40	MCS0	110	5550	3.331	3.175	96.79	6.406	≤ 9.23
11ac-VHT40	MCS0	134	5670	3.671	3.826	96.79	6.901	≤ 9.23
11ac-VHT40	MCS0	142	5710	3.491	3.703	96.79	6.750	≤ 9.23
11ac-VHT80	MCS0	106	5530	0.848	0.409	96.61	3.794	≤ 9.23
11ac-VHT80	MCS0	122	5610	0.365	0.560	96.61	3.624	≤ 9.23
11ac-VHT80	MCS0	138	5690	0.614	0.919	96.61	3.929	≤ 9.23
11ac-VHT160	MCS0	114	5570	-3.470	-3.106	96.60	-0.124	≤ 9.23
11be-EHT20	MCS0	100	5500	5.524	5.783	97.49	8.776	≤ 9.23
11be-EHT20	MCS0	116	5580	5.467	5.871	97.49	8.794	≤ 9.23
11be-EHT20	MCS0	140	5700	5.573	5.850	97.49	8.834	≤ 9.23
11be-EHT20	MCS0	144	5720	5.563	5.868	97.49	8.839	≤ 9.23
11be-EHT40	MCS0	102	5510	3.093	3.204	97.14	6.285	≤ 9.23
11be-EHT40	MCS0	110	5550	3.670	3.221	97.14	6.588	≤ 9.23
11be-EHT40	MCS0	134	5670	3.617	3.586	97.14	6.738	≤ 9.23
11be-EHT40	MCS0	142	5710	3.332	3.286	97.14	6.445	≤ 9.23
11be-EHT80	MCS0	106	5530	0.155	0.015	97.14	3.222	≤ 9.23
11be-EHT80	MCS0	122	5610	0.173	0.417	97.14	3.433	≤ 9.23
11be-EHT80	MCS0	138	5690	-0.019	0.328	97.14	3.294	≤ 9.23
11be-EHT160	MCS0	114	5570	-3.522	-3.316	96.45	-0.251	≤ 9.23

Notes:

1. Duty Cycle < 98%, Total PSD (dBm/MHz) = $10 \times \log \{10^{(\text{Ant } 0 \text{ AVPSD}/10)} + 10^{(\text{Ant } 1 \text{ AVPSD}/10)}\} + 10 \times \log (1/\text{Duty cycle})$;
Duty Cycle $\geq$ 98%, Total PSD (dBm/MHz) = $10 \times \log \{10^{(\text{Ant } 0 \text{ AVPSD}/10)} + 10^{(\text{Ant } 1 \text{ AVPSD}/10)}\}$.
2. PSD Limit (dBm/ MHz) = 11 dBm - (7.44 dBi - 6 dBi) = 9.56 dBm/ MHz.

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-10-17 ~ 2025-10-23	Model No.	OAW-AP1561
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 0	Ant 1			
11a	6 Mbps	149	5745	4.359	4.498	99.09	7.439	≤ 28.23
11a	6 Mbps	157	5785	4.670	4.694	99.09	7.692	≤ 28.23
11a	6 Mbps	165	5825	4.794	4.600	99.09	7.708	≤ 28.23
11ac-VHT20	MCS0	149	5745	4.310	4.281	96.44	7.463	≤ 28.23
11ac-VHT20	MCS0	157	5785	4.518	4.471	96.44	7.662	≤ 28.23
11ac-VHT20	MCS0	165	5825	3.971	3.851	96.44	7.079	≤ 28.23
11ac-VHT40	MCS0	151	5755	1.253	1.297	96.79	4.427	≤ 28.23
11ac-VHT40	MCS0	159	5795	1.540	1.509	96.79	4.677	≤ 28.23
11ac-VHT80	MCS0	155	5775	-1.838	-1.757	96.61	1.363	≤ 28.23
11be-EHT20	MCS0	149	5745	4.045	4.234	97.49	7.261	≤ 28.23
11be-EHT20	MCS0	157	5785	4.195	4.063	97.49	7.250	≤ 28.23
11be-EHT20	MCS0	165	5825	3.662	3.689	97.49	6.796	≤ 28.23
11be-EHT40	MCS0	151	5755	1.136	1.152	97.14	4.280	≤ 28.23
11be-EHT40	MCS0	159	5795	1.182	1.138	97.14	4.296	≤ 28.23
11be-EHT80	MCS0	155	5775	-1.875	-2.014	97.14	1.192	≤ 28.23

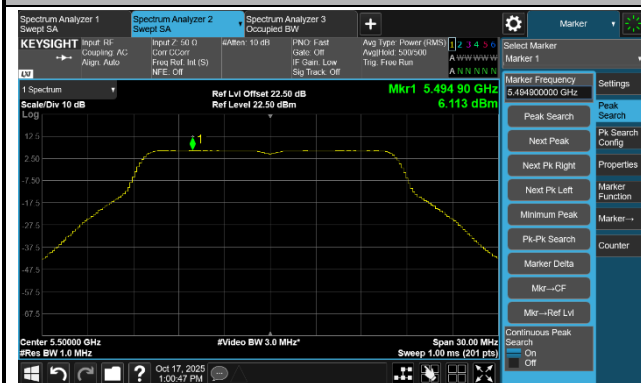
Note:

Duty Cycle < 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)}\} + 10 \times \log (1/\text{Duty cycle})$;

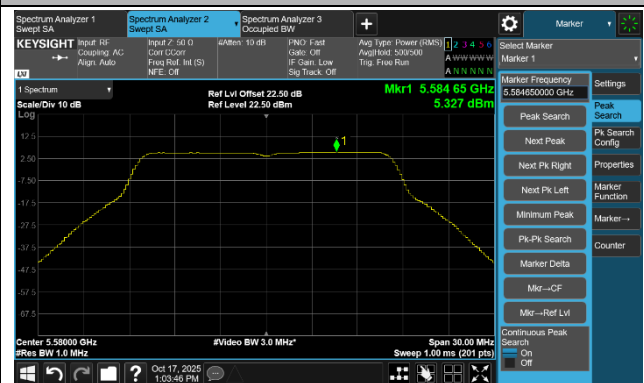
Duty Cycle ≥ 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)}\}$.

802.11a Power Spectral Density - Ant 0

Channel 100 (5500 MHz)



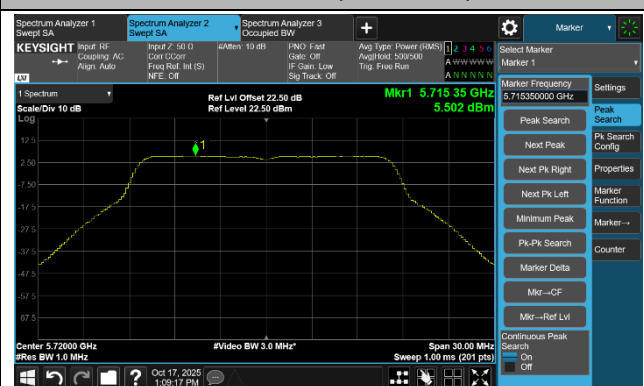
Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)



Channel 157 (5785 MHz)



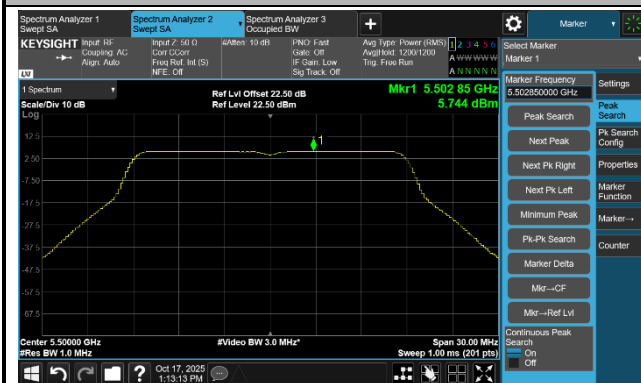
802.11a Power Spectral Density - Ant 0

Channel 165 (5825 MHz)

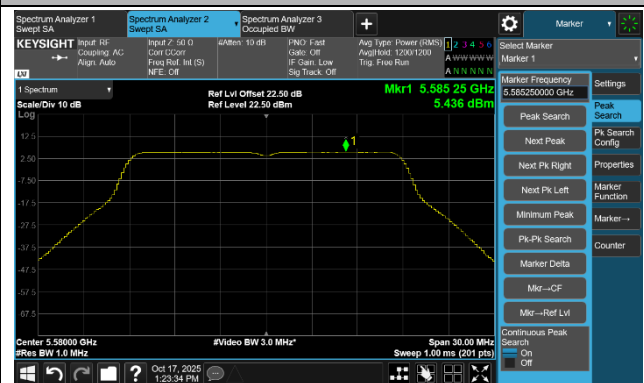


802.11ac-VHT20 Power Spectral Density - Ant 0

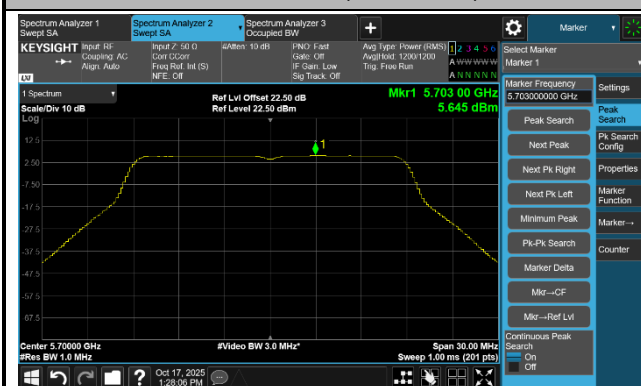
Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



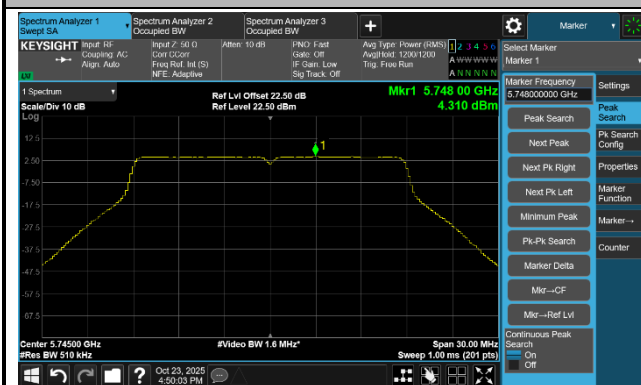
Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)

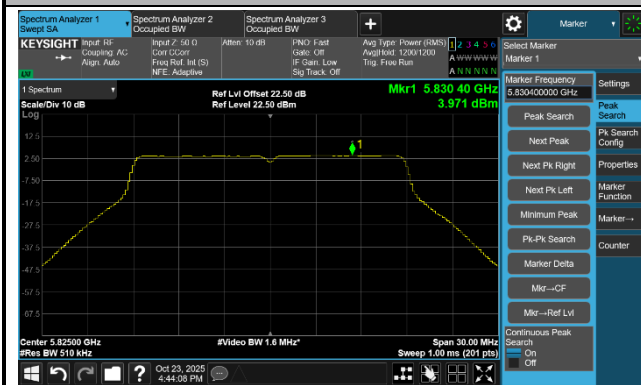


Channel 157 (5785 MHz)



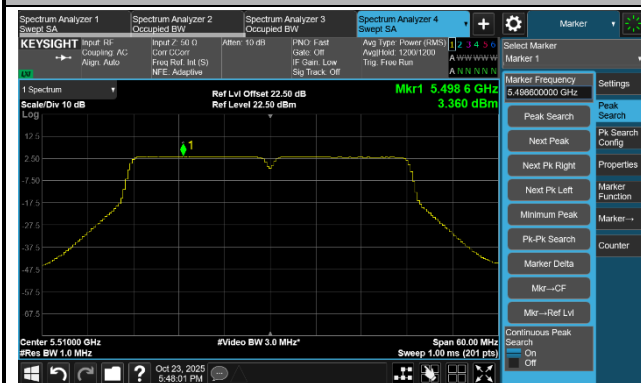
802.11ac-VHT20 Power Spectral Density - Ant 0

Channel 165 (5825 MHz)

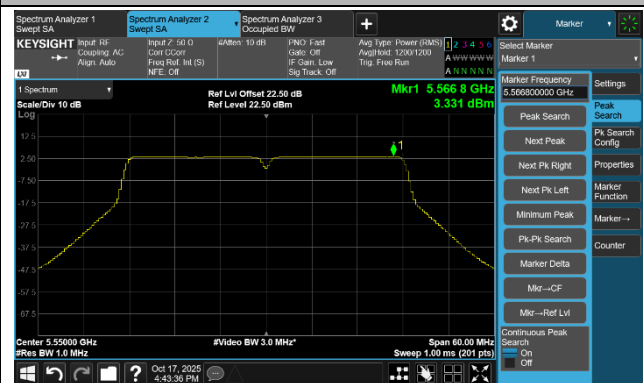


802.11ac-VHT40 Power Spectral Density - Ant 0

Channel 102 (5510 MHz)



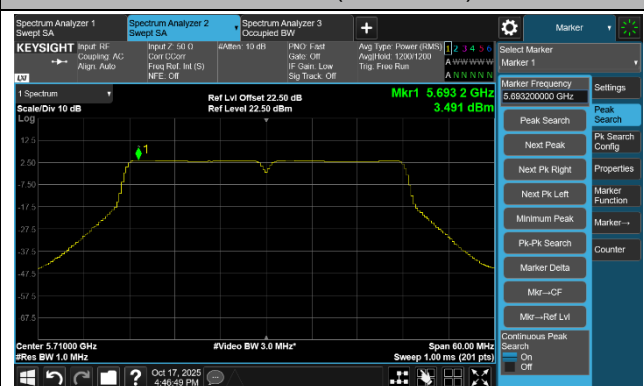
Channel 110 (5550 MHz)



Channel 134 (5670 MHz)



Channel 142(5710 MHz)



Channel 151 (5755 MHz)

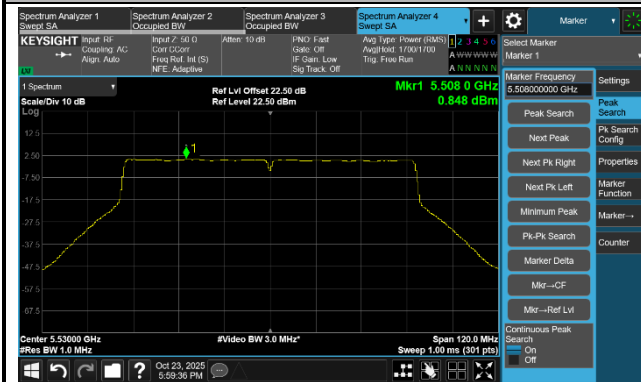


Channel 159 (5795 MHz)

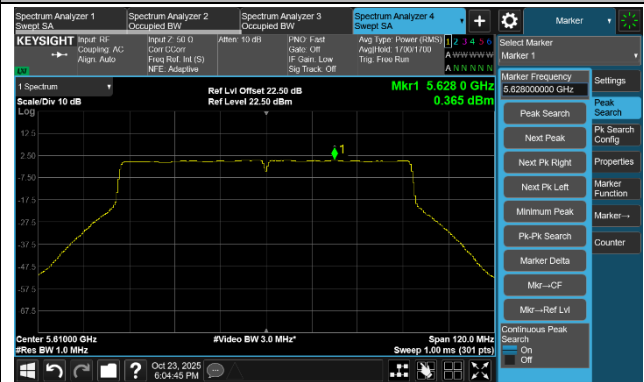


802.11ac-VHT80 Power Spectral Density - Ant 0

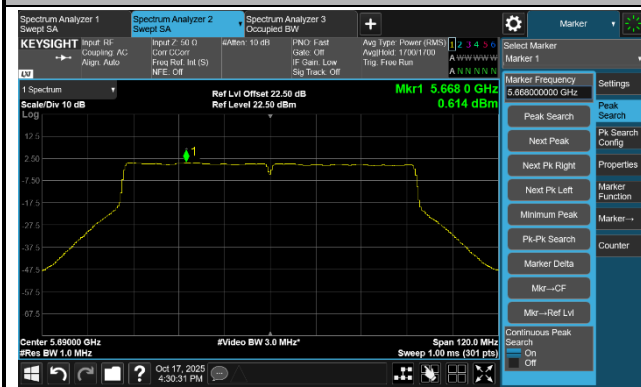
Channel 106 (5530 MHz)



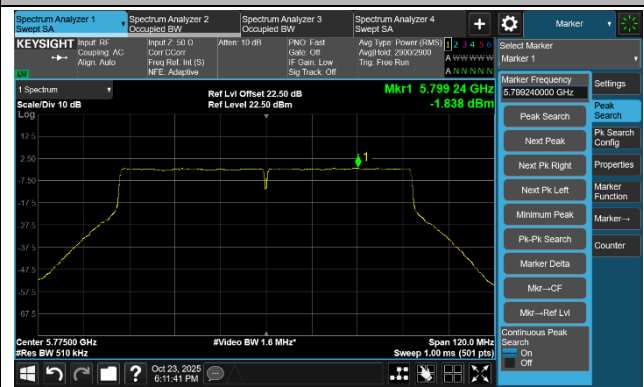
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

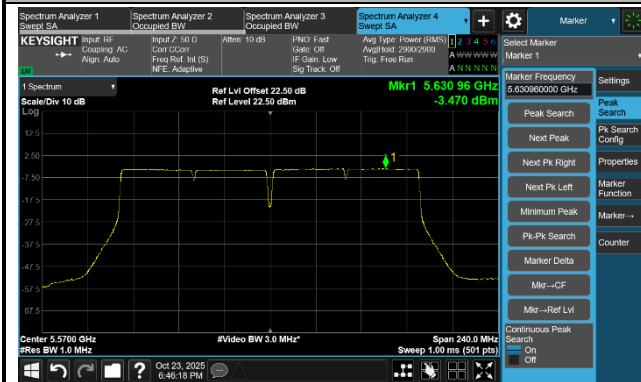


Channel 155 (5775 MHz)

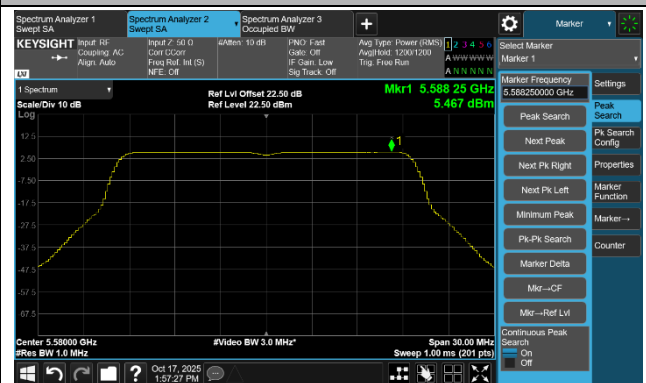


802.11ac-VHT160 Power Spectral Density - Ant 0

Channel 114 (5570 MHz)



Channel 116 (5580 MHz)



Channel 144(5720 MHz)

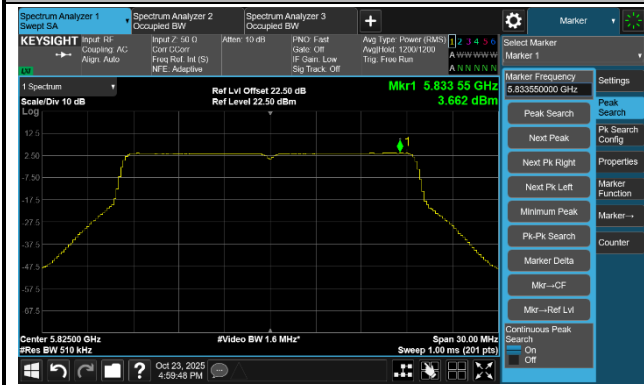


Channel 157 (5785 MHz)



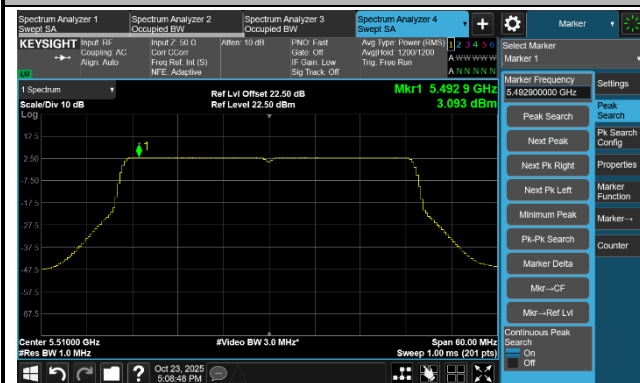
802.11be-EHT20 Power Spectral Density - Ant 0

Channel 165 (5825 MHz)

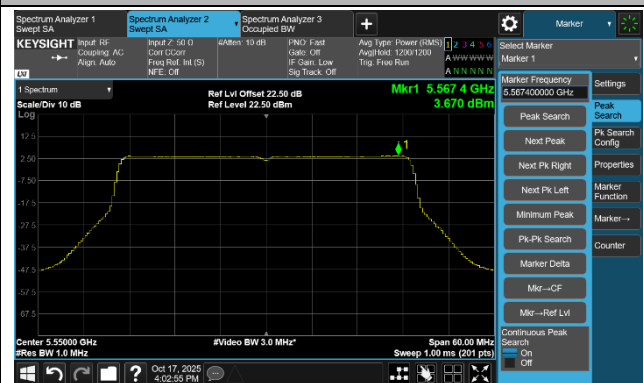


802.11be-EHT40 Power Spectral Density - Ant 0

Channel 102 (5510 MHz)



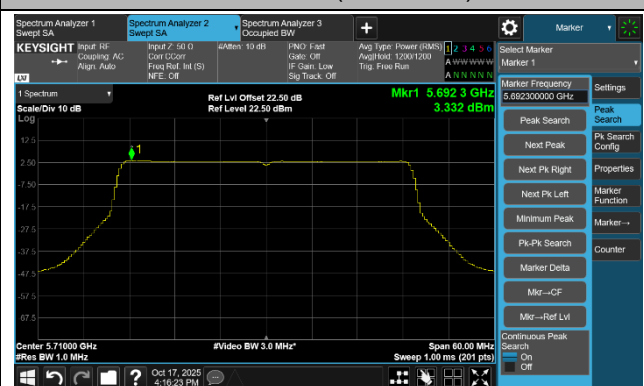
Channel 110 (5550 MHz)



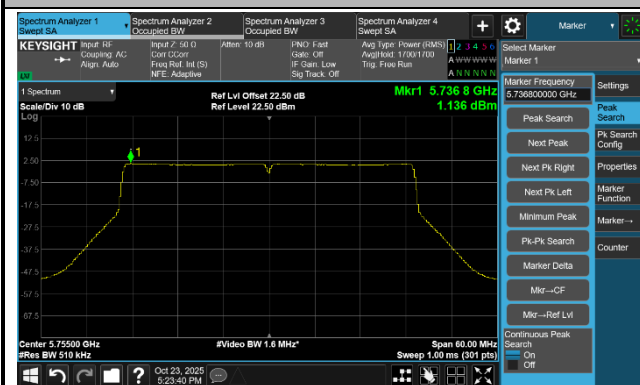
Channel 134 (5670 MHz)



Channel 142(5710 MHz)



Channel 151 (5755 MHz)

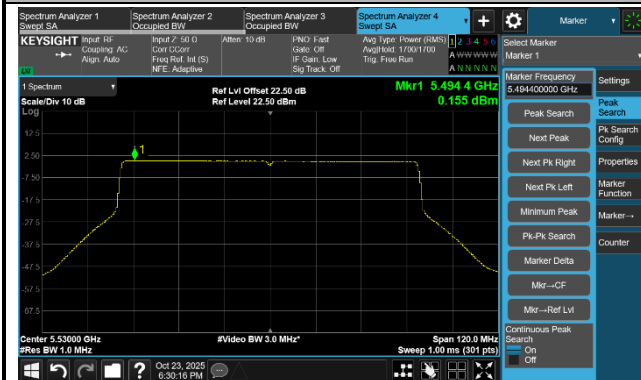


Channel 159 (5795 MHz)



802.11be-EHT80 Power Spectral Density - Ant 0

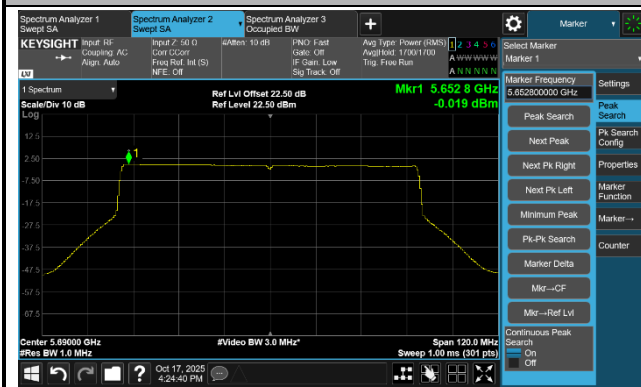
Channel 106 (5530 MHz)



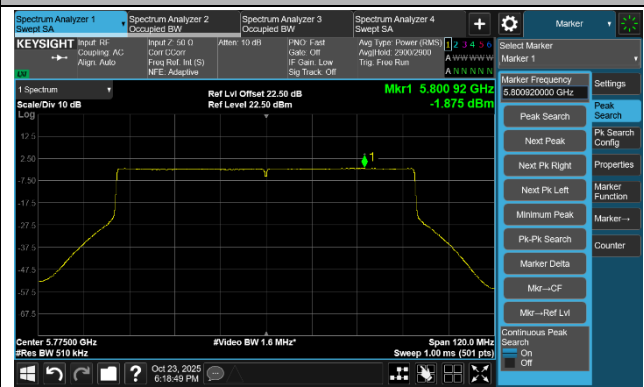
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

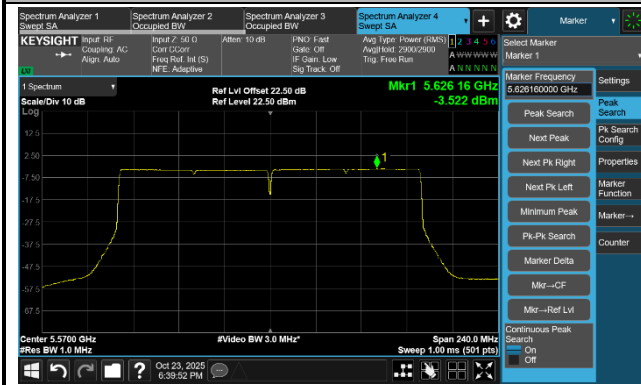


Channel 155 (5775 MHz)



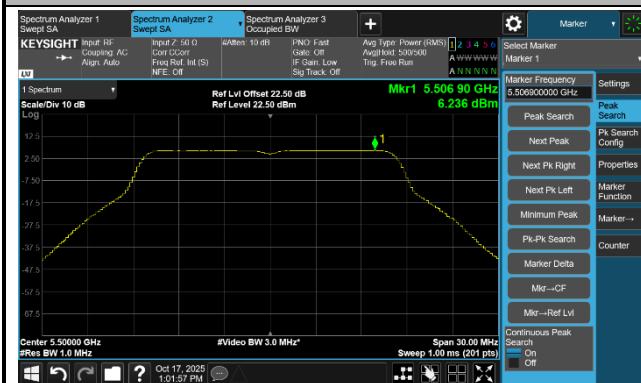
802.11be-EHT160 Power Spectral Density - Ant 0

Channel 114 (5570 MHz)

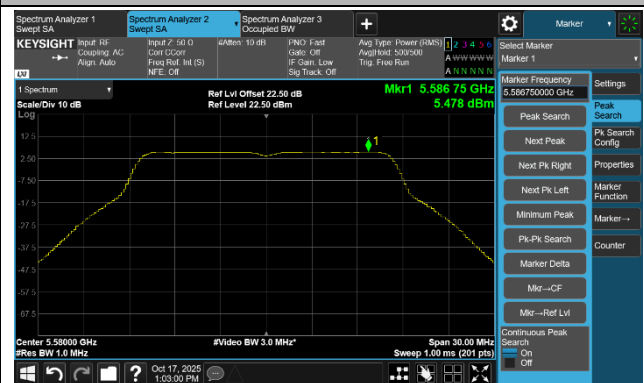


802.11a Power Spectral Density - Ant 1

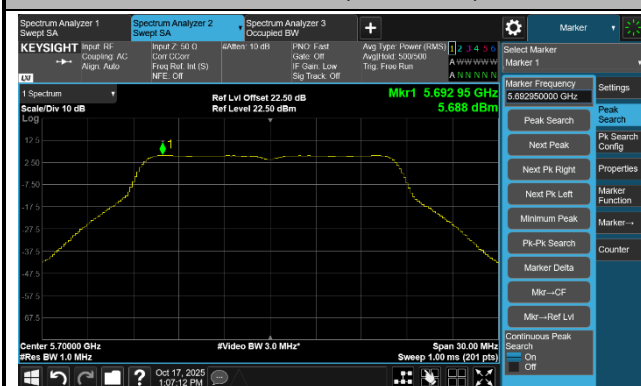
Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



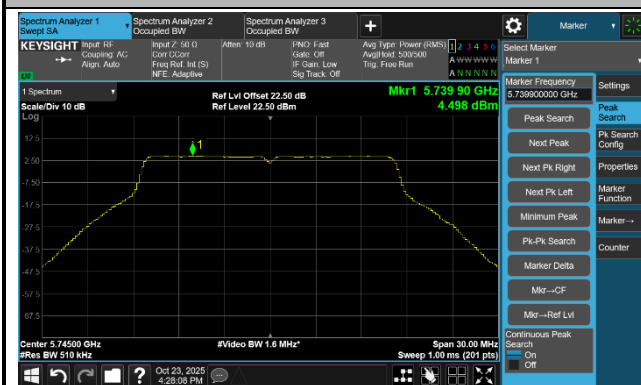
Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)



Channel 157 (5785 MHz)



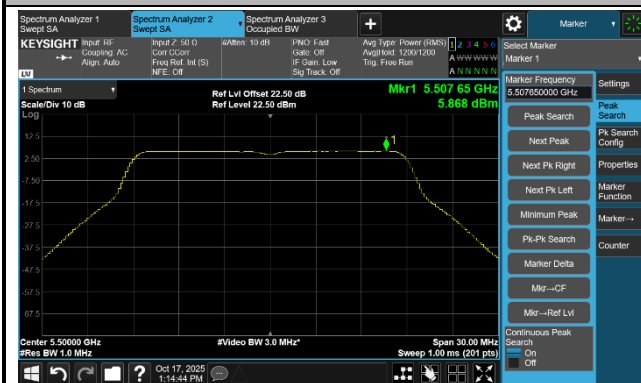
802.11a Power Spectral Density - Ant 1

Channel 165 (5825 MHz)

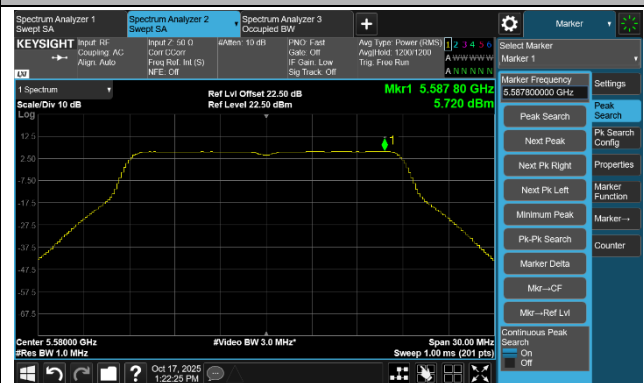


802.11ac-VHT20 Power Spectral Density - Ant 1

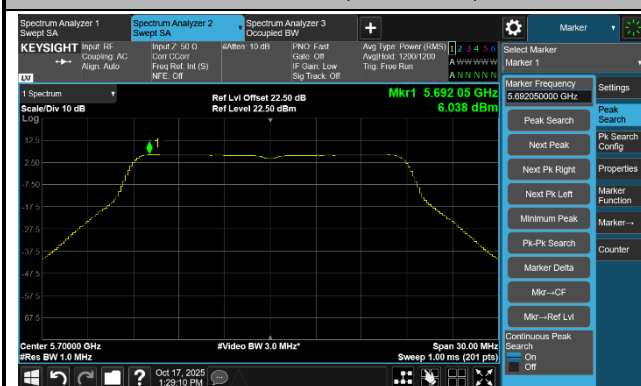
Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)

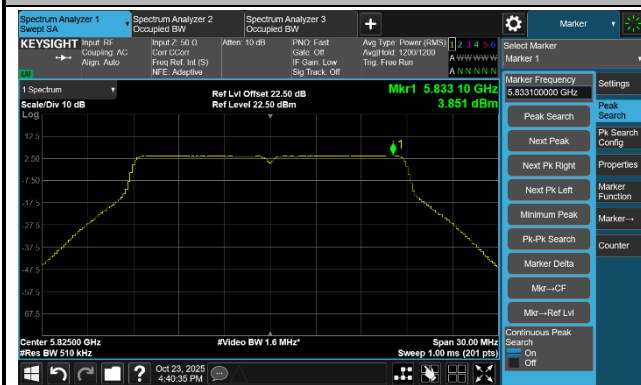


Channel 157 (5785 MHz)



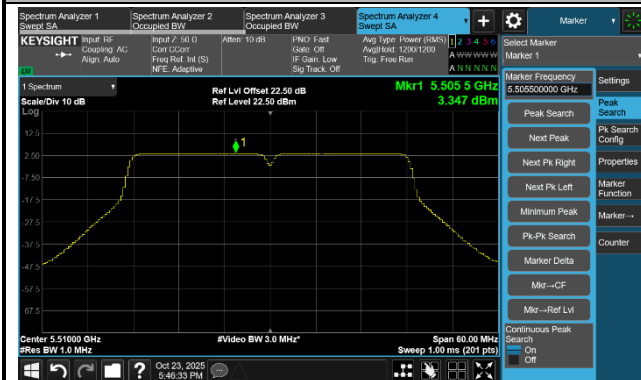
802.11ac-VHT20 Power Spectral Density - Ant 1

Channel 165 (5825 MHz)

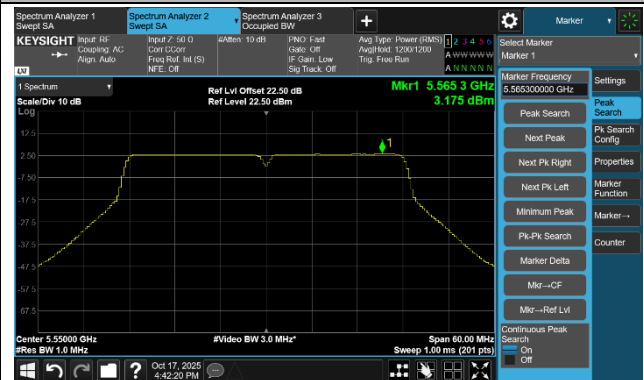


802.11ac-VHT40 Power Spectral Density - Ant 1

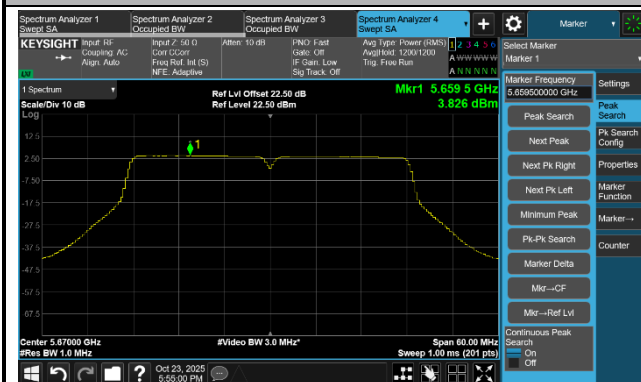
Channel 102 (5510 MHz)



Channel 110 (5550 MHz)



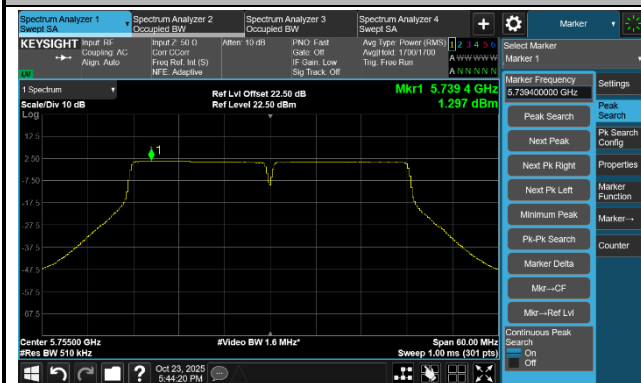
Channel 134 (5670 MHz)



Channel 142(5710 MHz)



Channel 151 (5755 MHz)



Channel 159 (5795 MHz)

