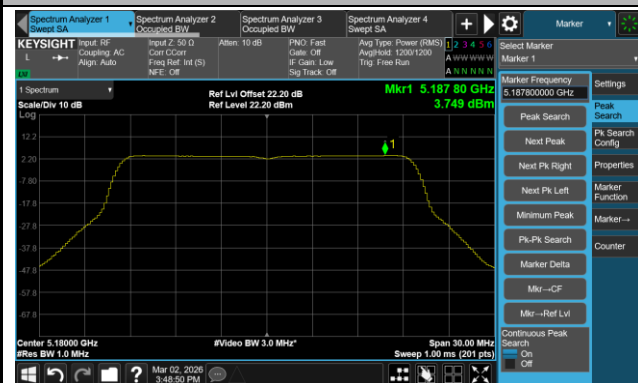


802.11be-EHT20 Power Spectral Density - Ant 3

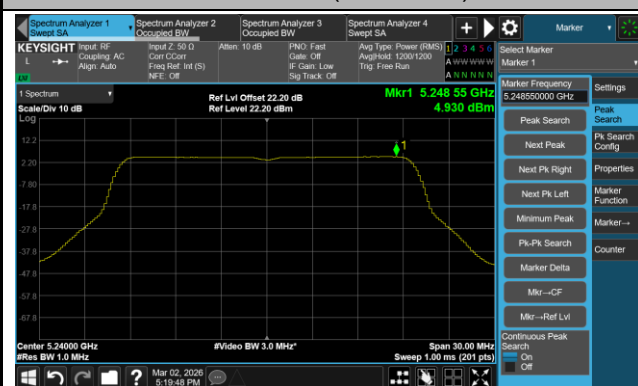
Channel 36 (5180 MHz)



Channel 44 (5220 MHz)



Channel 48 (5240 MHz)



Channel 52 (5260 MHz)



Channel 60 (5300 MHz)



Channel 64 (5320 MHz)



Channel 100 (5500 MHz)

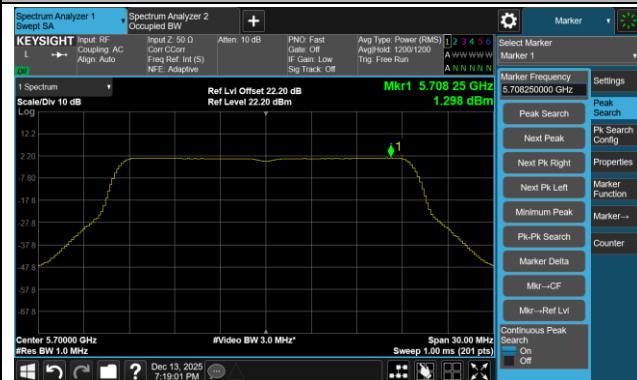


Channel 116 (5580 MHz)



802.11be-EHT20 Power Spectral Density - Ant 3

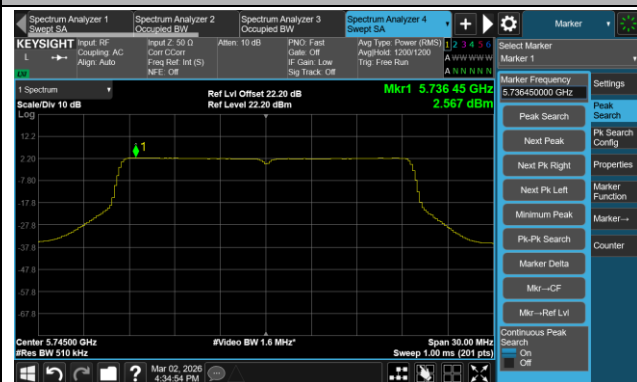
Channel 140 (5700 MHz)



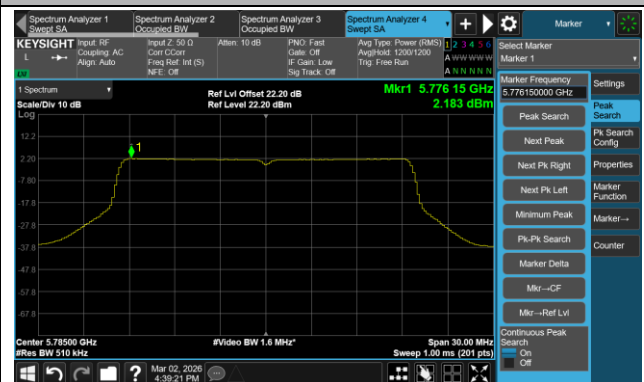
Channel 144 (5720 MHz)



Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

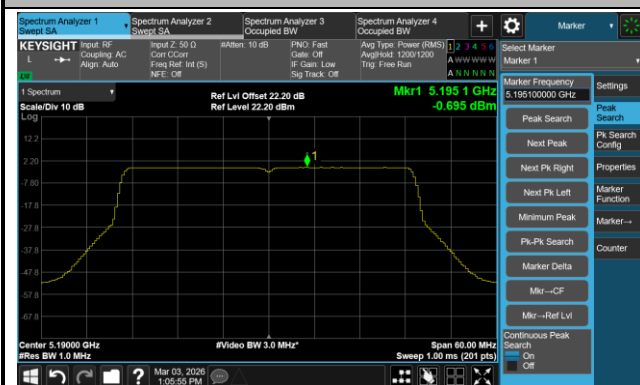


Channel 165 (5825 MHz)



802.11be-EHT40 Power Spectral Density - Ant 3

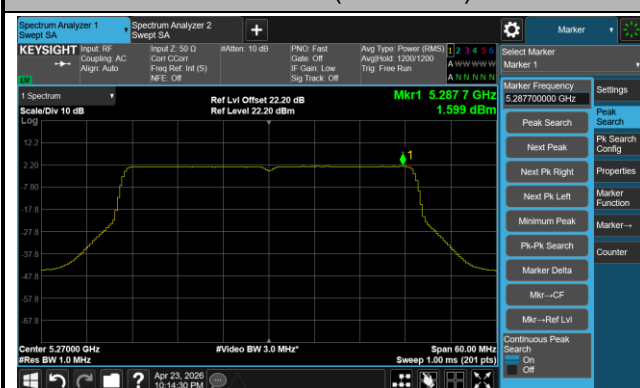
Channel 38 (5190 MHz)



Channel 46 (5230 MHz)



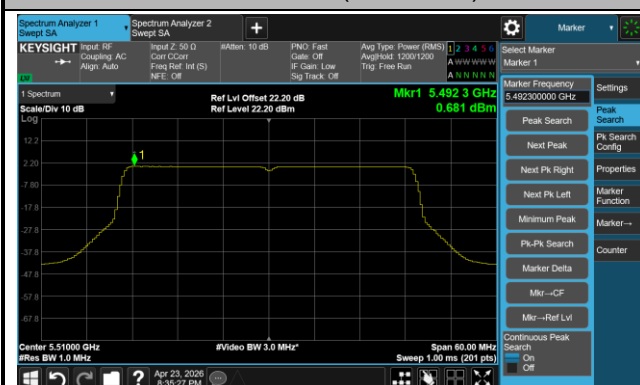
Channel 54 (5270 MHz)



Channel 62 (5310 MHz)



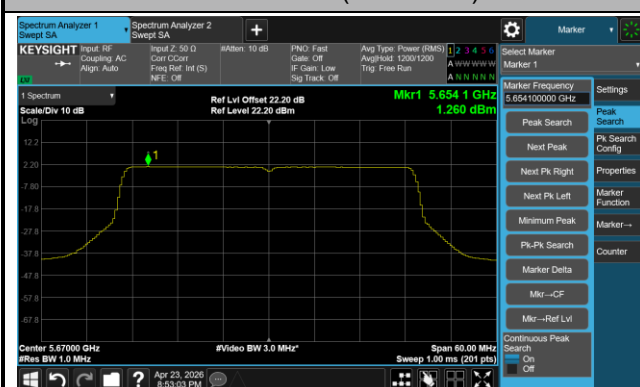
Channel 102 (5510 MHz)



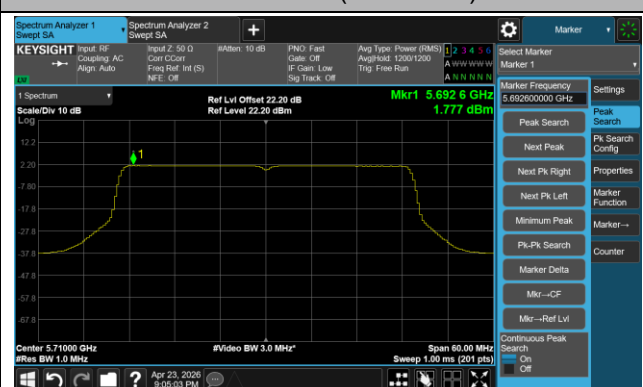
Channel 110 (5550 MHz)



Channel 134 (5670 MHz)

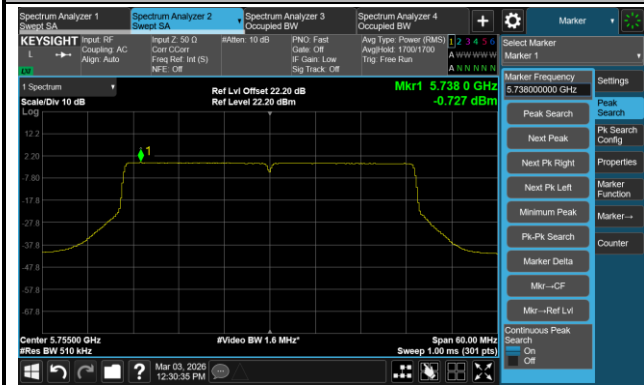


Channel 142 (5710 MHz)

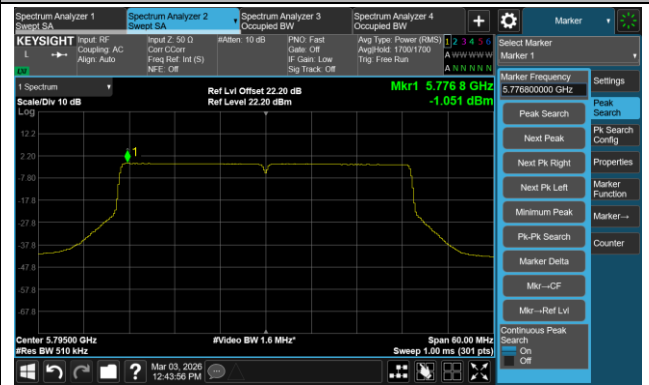


802.11be-EHT40 Power Spectral Density - Ant 3

Channel 151 (5755 MHz)

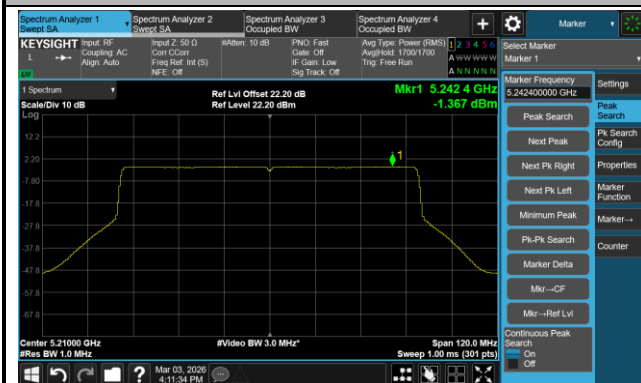


Channel 159 (5795 MHz)

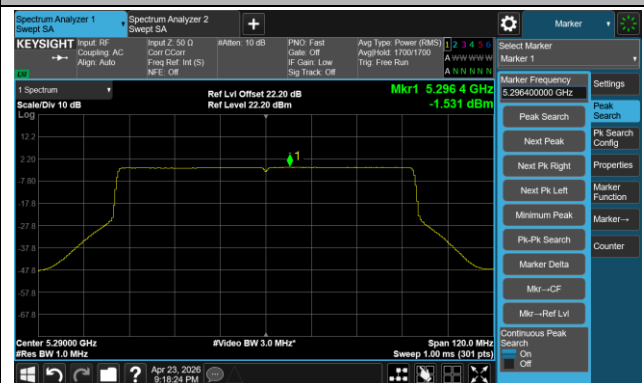


802.11be-EHT80 Power Spectral Density - Ant 3

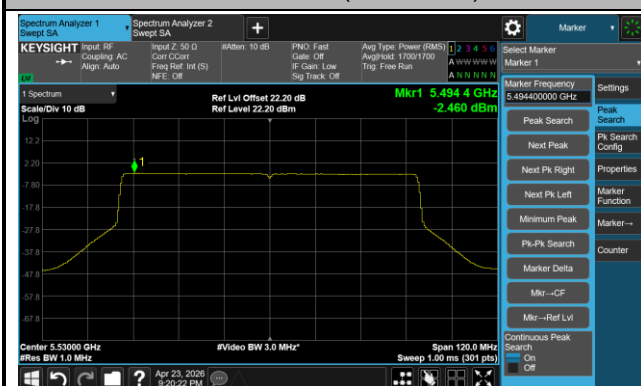
Channel 42 (5210 MHz)



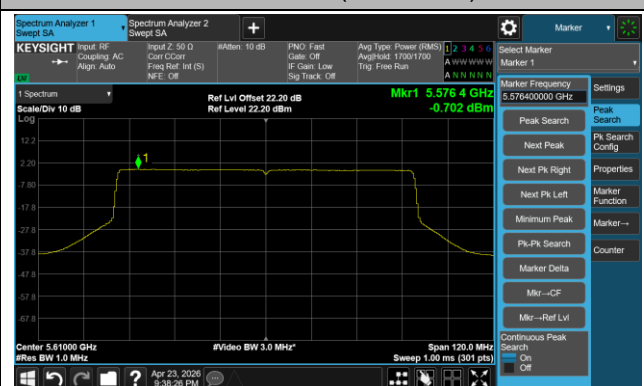
Channel 58 (5290 MHz)



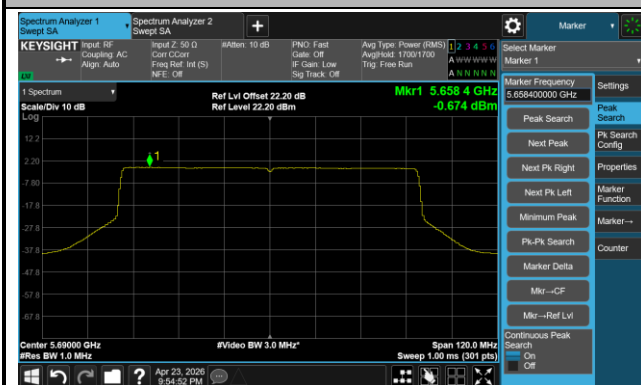
Channel 106 (5530 MHz)



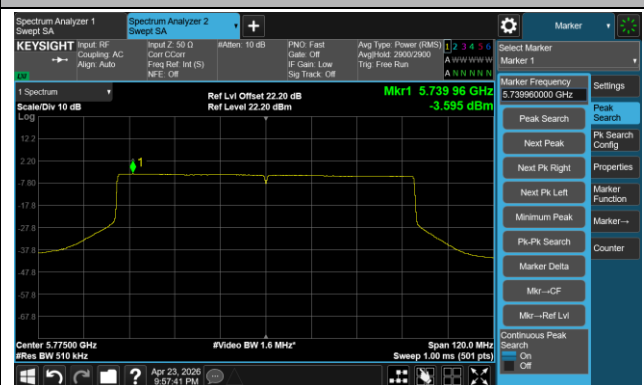
Channel 122 (5610 MHz)

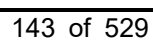


Channel 138 (5690 MHz)



Channel 155 (5775 MHz)





AP541e - WLAN Config 2

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-12-15 ~ 2026-04-24		
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	Ant 2	Ant 3			
11a	6 Mbps	100	5500	1.428	1.226	1.861	1.697	98.85	7.580	≤ 7.68
11a	6 Mbps	116	5580	1.570	1.328	1.323	1.481	98.85	7.447	≤ 7.68
11a	6 Mbps	140	5700	0.811	0.714	2.392	0.727	98.85	7.243	≤ 7.68
11a	6 Mbps	144	5720	1.420	1.397	1.238	1.311	98.85	7.363	≤ 7.68
11ac-VHT20	MCS0	100	5500	1.227	1.061	1.447	1.323	96.43	7.445	≤ 7.68
11ac-VHT20	MCS0	116	5580	1.251	1.022	1.051	1.186	96.43	7.307	≤ 7.68
11ac-VHT20	MCS0	140	5700	0.897	0.812	2.678	0.877	96.43	7.571	≤ 7.68
11ac-VHT20	MCS0	144	5720	1.297	1.104	0.967	1.082	96.43	7.293	≤ 7.68
11ac-VHT40	MCS0	102	5510	0.411	1.537	1.097	1.613	96.79	7.352	≤ 7.68
11ac-VHT40	MCS0	110	5550	0.770	1.238	1.146	1.157	96.79	7.244	≤ 7.68
11ac-VHT40	MCS0	134	5670	1.388	1.407	1.392	1.275	96.79	7.528	≤ 7.68
11ac-VHT40	MCS0	142	5710	1.144	1.142	1.081	0.957	96.79	7.244	≤ 7.68
11ac-VHT80	MCS0	106	5530	-2.414	-1.127	-1.798	-1.358	96.43	4.531	≤ 7.68
11ac-VHT80	MCS0	122	5610	-1.157	-0.768	-1.436	-0.860	96.43	5.131	≤ 7.68
11ac-VHT80	MCS0	138	5690	-0.915	-0.785	-1.185	-0.643	96.43	5.301	≤ 7.68
11ac-VHT160	MCS0	114	5570	-5.364	-4.838	-5.681	-4.840	98.54	0.855	≤ 7.68
11be-EHT20	MCS0	100	5500	0.746	0.954	1.184	1.076	96.45	7.171	≤ 7.68
11be-EHT20	MCS0	116	5580	1.168	1.469	1.170	1.457	96.45	7.496	≤ 7.68
11be-EHT20	MCS0	140	5700	0.428	0.782	2.344	0.627	96.45	7.293	≤ 7.68
11be-EHT20	MCS0	144	5720	1.340	1.458	1.216	1.263	96.45	7.498	≤ 7.68
11be-EHT40	MCS0	102	5510	1.451	1.458	1.056	1.593	98.19	7.415	≤ 7.68
11be-EHT40	MCS0	110	5550	1.263	1.285	1.155	1.175	98.19	7.240	≤ 7.68
11be-EHT40	MCS0	134	5670	1.359	1.308	1.226	1.125	98.19	7.276	≤ 7.68
11be-EHT40	MCS0	142	5710	1.060	1.107	1.155	1.011	98.19	7.104	≤ 7.68
11be-EHT80	MCS0	106	5530	-2.441	-1.354	-2.042	-1.519	97.67	4.305	≤ 7.68
11be-EHT80	MCS0	122	5610	-1.079	-0.534	-0.957	-0.534	97.67	5.354	≤ 7.68
11be-EHT80	MCS0	138	5690	-1.153	-0.707	-1.168	-0.502	97.67	5.250	≤ 7.68
11be-EHT160	MCS0	114	5570	-5.223	-4.852	-5.395	-4.972	97.67	1.018	≤ 7.68

Note 1:

Duty Cycle < 98%, Total PSD (dBm/MHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)} + 10^{(\text{Ant 2 AVPSD}/10)} + 10^{(\text{Ant 3 AVPSD}/10)}\} + 10 \times \log (1/\text{Duty cycle})$;

Duty Cycle $\geq$ 98%, Total PSD (dBm/MHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)} + 10^{(\text{Ant 2 AVPSD}/10)} + 10^{(\text{Ant 3 AVPSD}/10)}\}$.

Note 2: PSD Limit (dBm/MHz) = 11 - (9.32 - 6) = 7.68 dBm/MHz.

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2026-03-04		
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	Ant 2	Ant 3			
11a	6 Mbps	149	5745	2.669	2.811	2.619	3.021	98.85	8.803	≤ 26.68
11a	6 Mbps	157	5785	2.334	2.479	2.295	2.965	98.85	8.547	≤ 26.68
11a	6 Mbps	165	5825	2.533	2.963	2.679	3.240	98.85	8.883	≤ 26.68
11ac-VHT20	MCS0	149	5745	2.372	2.731	2.342	3.042	96.43	8.810	≤ 26.68
11ac-VHT20	MCS0	157	5785	2.278	2.455	2.217	2.696	96.43	8.594	≤ 26.68
11ac-VHT20	MCS0	165	5825	2.208	2.648	2.381	2.428	96.43	8.598	≤ 26.68
11ac-VHT40	MCS0	151	5755	-0.602	-0.221	-0.623	-0.106	96.79	5.780	≤ 26.68
11ac-VHT40	MCS0	159	5795	-0.762	-0.347	-0.646	-0.396	96.79	5.628	≤ 26.68
11ac-VHT80	MCS0	155	5775	-3.868	-3.811	-3.969	-3.777	96.43	2.323	≤ 26.68
11be-EHT20	MCS0	149	5745	2.179	2.528	2.332	2.788	96.45	8.640	≤ 26.68
11be-EHT20	MCS0	157	5785	1.646	2.209	1.954	2.717	96.45	8.327	≤ 26.68
11be-EHT20	MCS0	165	5825	1.884	2.229	1.761	2.545	96.45	8.293	≤ 26.68
11be-EHT40	MCS0	151	5755	-1.034	-0.744	-0.838	-0.512	98.19	5.243	≤ 26.68
11be-EHT40	MCS0	159	5795	-0.963	-0.721	-1.131	-0.688	98.19	5.149	≤ 26.68
11be-EHT80	MCS0	155	5775	-4.548	-4.207	-4.168	-3.798	97.67	1.951	≤ 26.68

Note 1:

Duty Cycle < 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)} + 10^{(\text{Ant 2 AVPSD}/10)} + 10^{(\text{Ant 3 AVPSD}/10)}\} + 10 \times \log (1/\text{Duty cycle});$

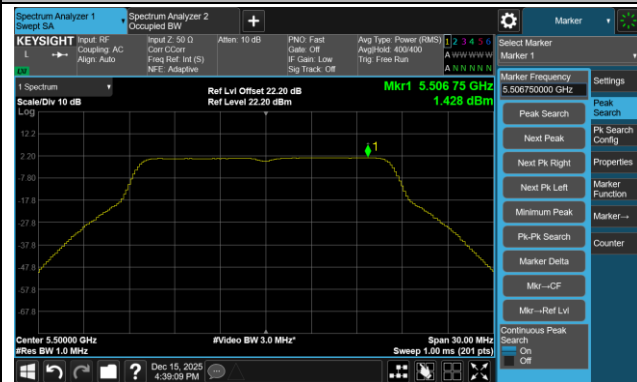
Duty Cycle ≥ 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)} + 10^{(\text{Ant 2 AVPSD}/10)} + 10^{(\text{Ant 3 AVPSD}/10)}\}.$

Note 2:

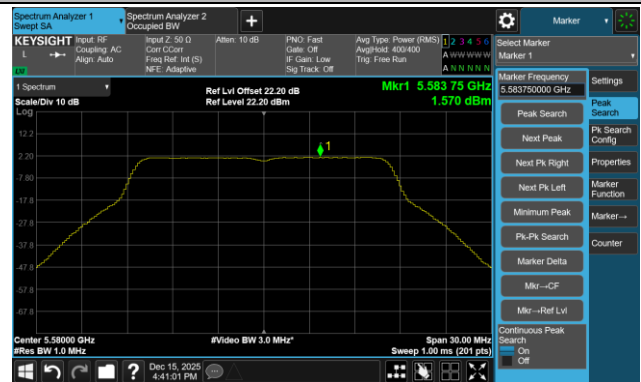
PSD Limit (dBm/500 kHz) = 30 - (9.32 - 6) = 26.68 dBm/500 kHz.

802.11a Power Spectral Density - Ant 0

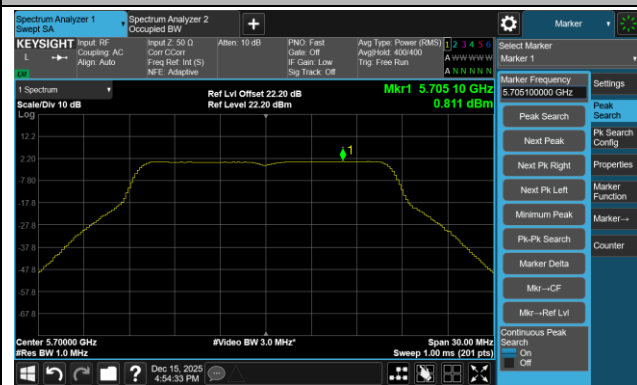
Channel 100 (5500 MHz)



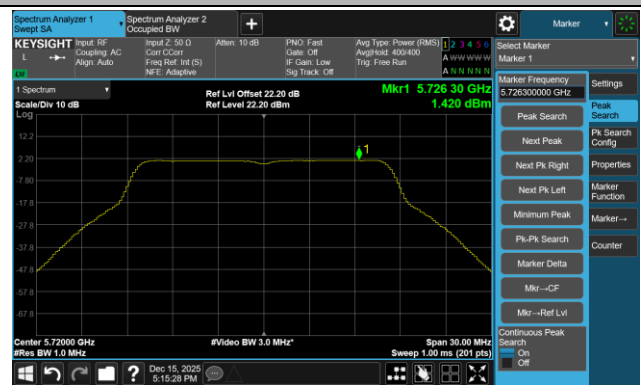
Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



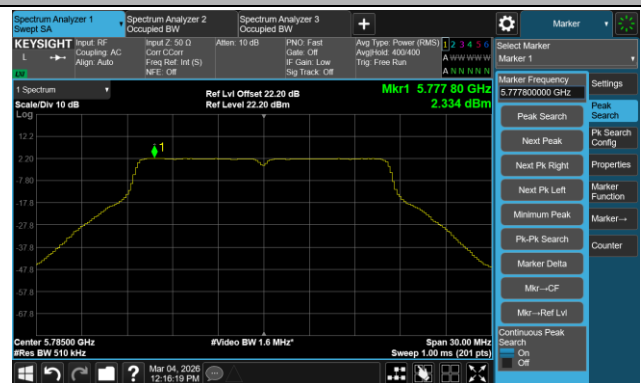
Channel 144 (5720 MHz)



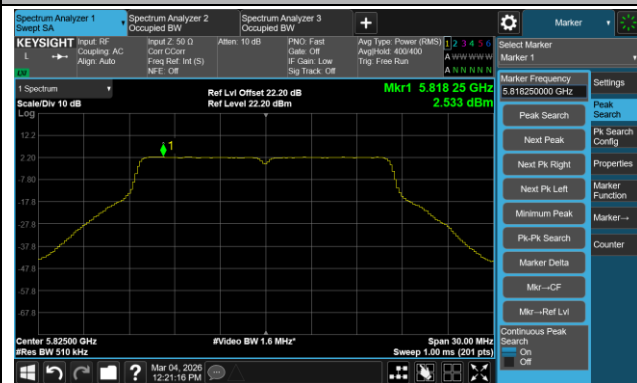
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

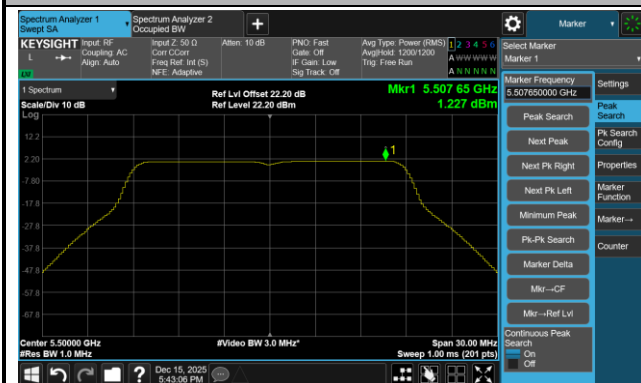


Channel 165 (5825 MHz)

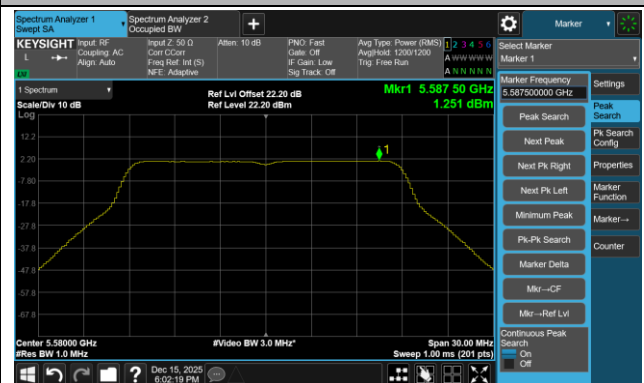


802.11ac-VHT20 Power Spectral Density - Ant 0

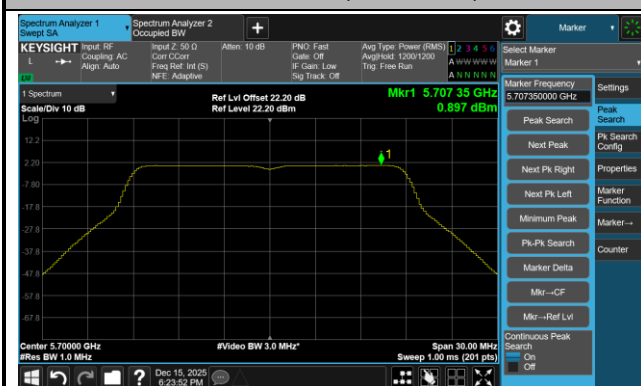
Channel 100 (5500 MHz)



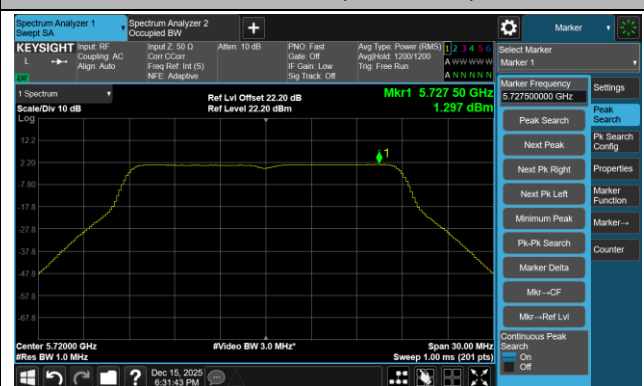
Channel 116 (5580 MHz)



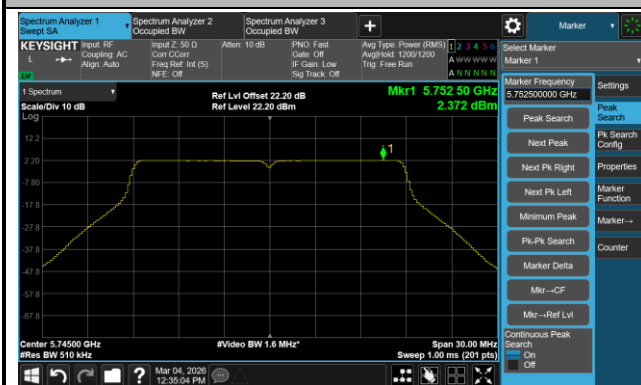
Channel 140 (5700 MHz)



Channel 144 (5720 MHz)



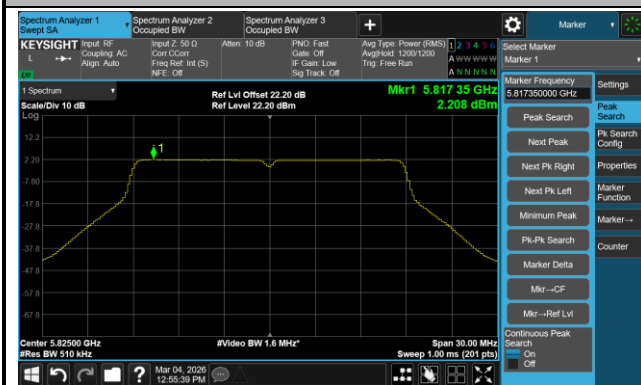
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

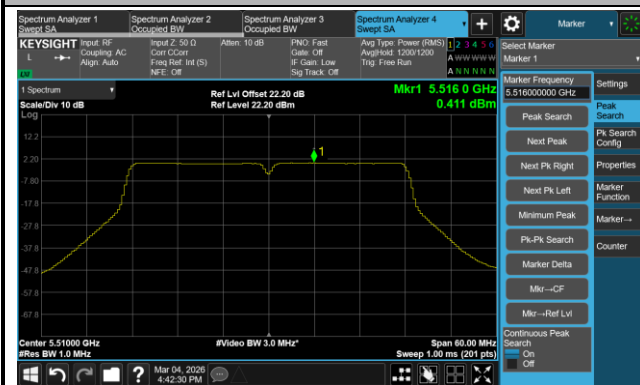


Channel 165 (5825 MHz)

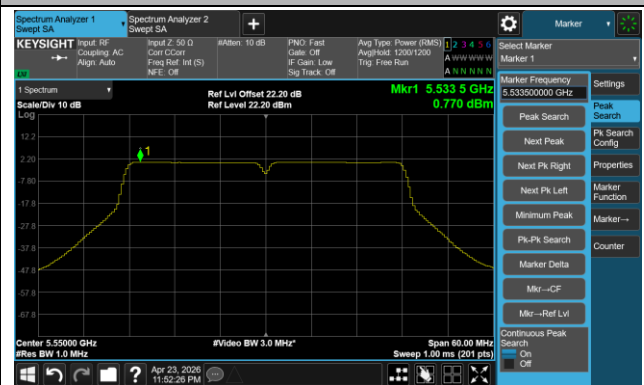


802.11ac-VHT40 Power Spectral Density - Ant 0

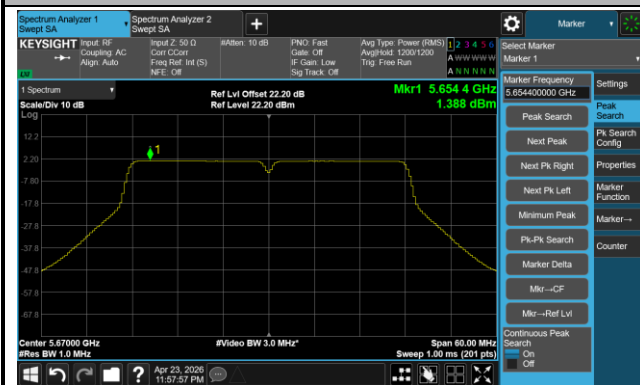
Channel 102 (5510 MHz)



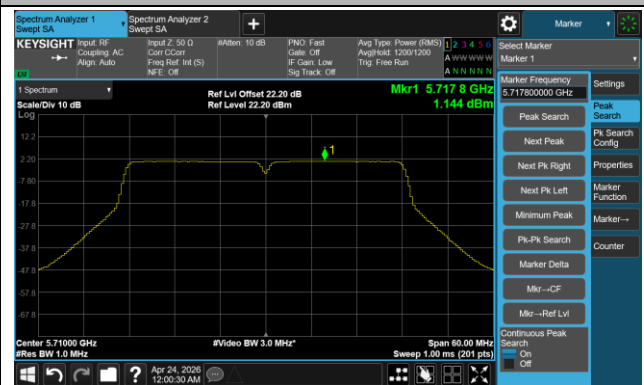
Channel 110 (5550 MHz)



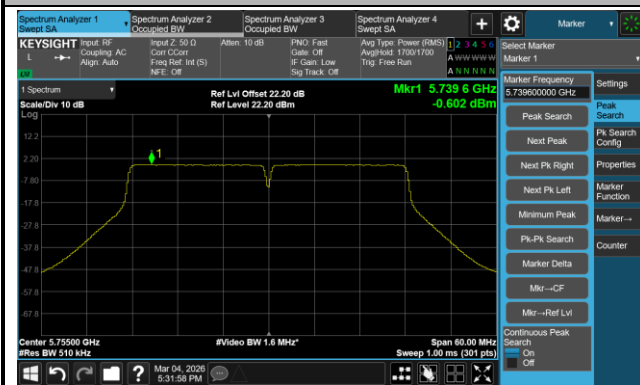
Channel 134 (5670 MHz)



Channel 142 (5710 MHz)



Channel 151 (5755 MHz)

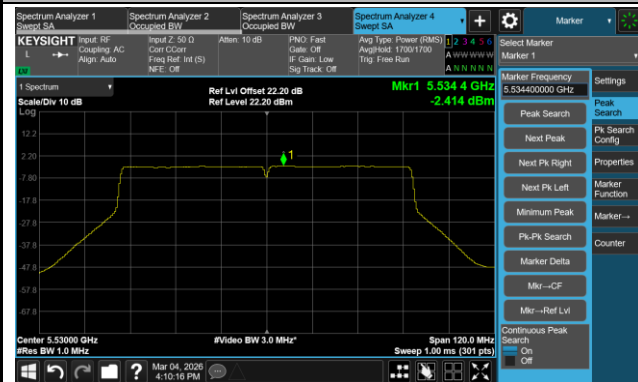


Channel 159 (5795 MHz)

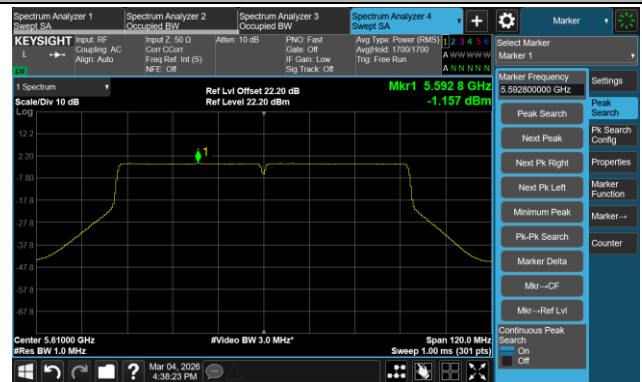


802.11ac-VHT80 Power Spectral Density - Ant 0

Channel 106 (5530 MHz)



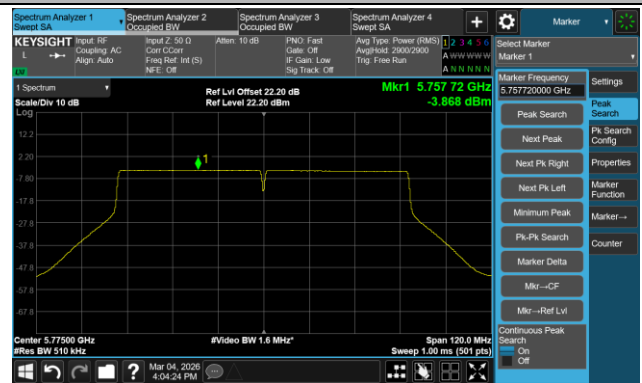
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)



Channel 155 (5775 MHz)



802.11ac-VHT160 Power Spectral Density - Ant 0

Channel 114 (5570 MHz)

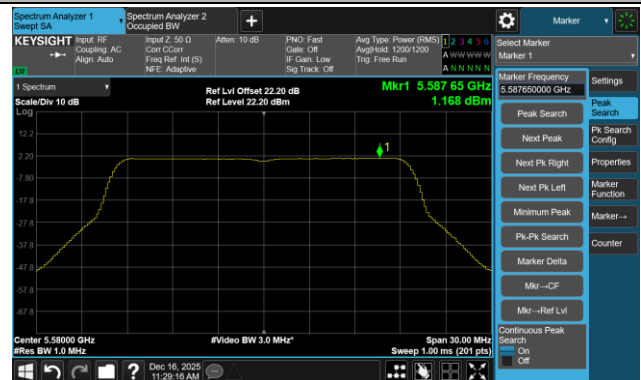


802.11be-EHT20 Power Spectral Density - Ant 0

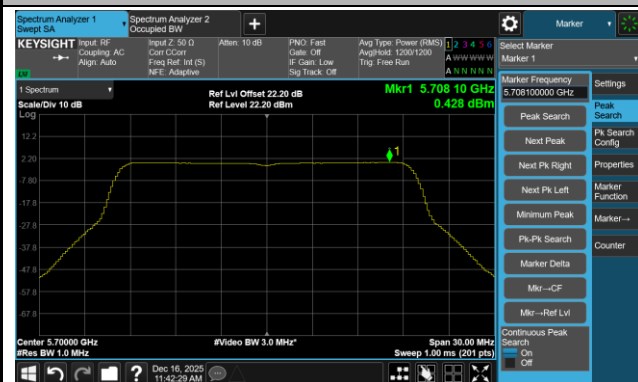
Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



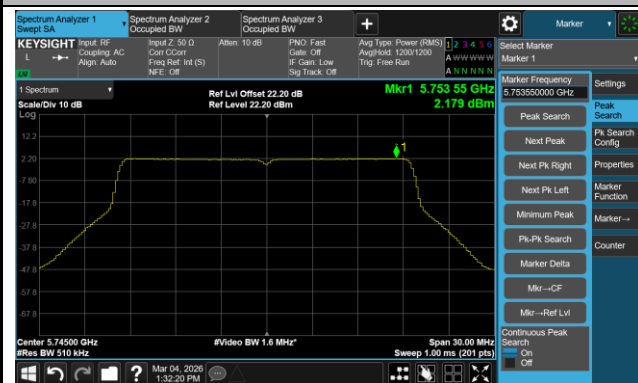
Channel 140 (5700 MHz)



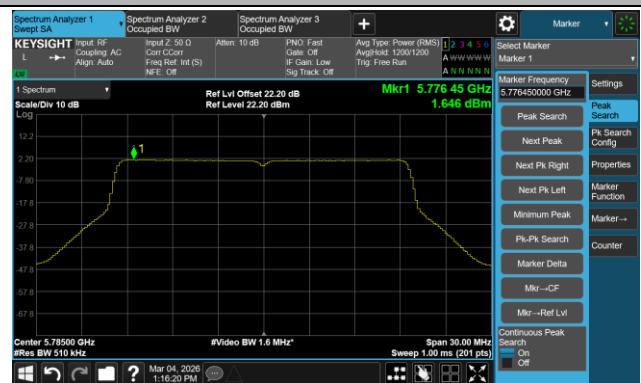
Channel 144 (5720 MHz)



Channel 149 (5745 MHz)



Channel 157 (5785 MHz)



Channel 165 (5825 MHz)

