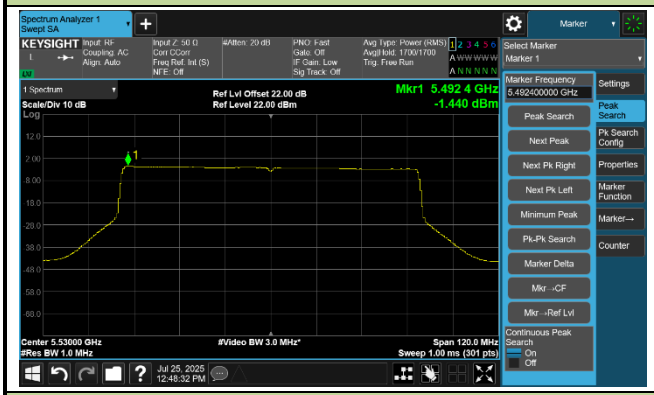
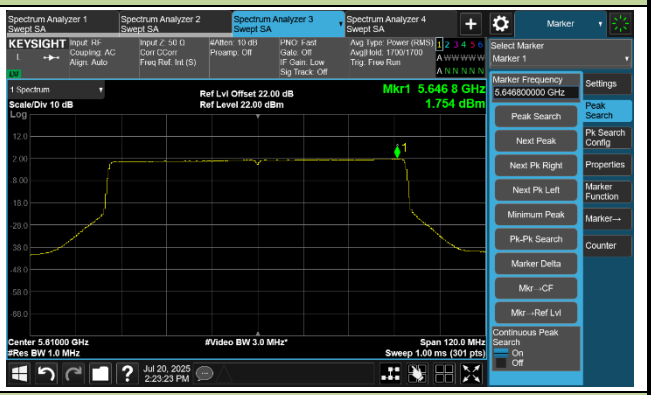
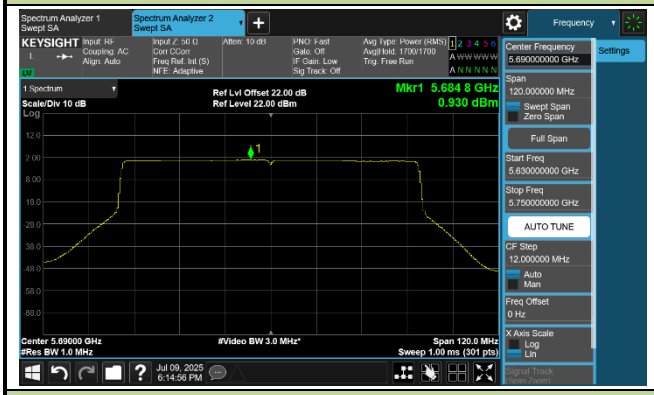
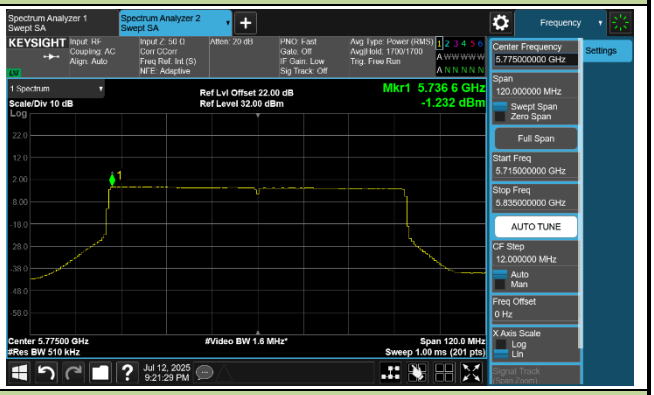
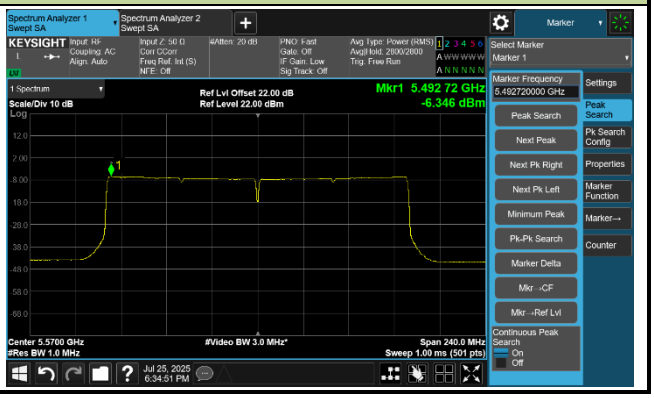
802.11be-EHT80 Power Spectral Density- Ant 1	
Channel 42 (5210 MHz)	Channel 58 (5290 MHz)
	
Channel 106 (5530 MHz)	Channel 122 (5610 MHz)
	
Channel 138 (5690 MHz)	Channel 155 (5775 MHz)
	
802.11be-EHT160 Power Spectral Density- Ant 1	
Channel 50 (5250 MHz)	Channel 114 (5570 MHz)
	

AP571 - WLAN Config 2

Test Site	SIP-TR1	Test Engineer	Nolan Chen
Test Date	2025-07-10 ~ 2025-07-12		
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			
11a	6 Mbps	100	5500	7.730	7.776	98.95	10.763	≤ 11.00
11a	6 Mbps	116	5580	7.206	7.783	98.95	10.514	≤ 11.00
11a	6 Mbps	140	5700	7.358	7.854	98.95	10.623	≤ 11.00
11a	6 Mbps	144	5720	7.736	8.060	98.95	10.911	≤ 11.00
11ac-VHT20	MCS0	100	5500	7.486	6.601	96.37	10.237	≤ 11.00
11ac-VHT20	MCS0	116	5580	7.565	7.225	96.37	10.569	≤ 11.00
11ac-VHT20	MCS0	140	5700	7.419	7.342	96.37	10.552	≤ 11.00
11ac-VHT20	MCS0	144	5720	7.584	7.312	96.37	10.621	≤ 11.00
11ac-VHT40	MCS0	102	5510	4.780	4.188	96.49	7.660	≤ 11.00
11ac-VHT40	MCS0	110	5550	4.811	4.038	96.49	7.607	≤ 11.00
11ac-VHT40	MCS0	134	5670	4.743	4.357	96.49	7.720	≤ 11.00
11ac-VHT40	MCS0	142	5710	4.532	4.361	96.49	7.613	≤ 11.00
11ac-VHT80	MCS0	106	5530	1.668	1.684	96.48	4.842	≤ 11.00
11ac-VHT80	MCS0	122	5610	1.588	1.561	96.48	4.740	≤ 11.00
11ac-VHT80	MCS0	138	5690	1.422	1.425	96.48	4.589	≤ 11.00
11ac-VHT160	MCS0	114	5570	-0.899	-0.831	98.24	2.145	≤ 11.00
11ax-HE20	MCS0	100	5500	7.477	7.101	96.52	10.457	≤ 11.00
11ax-HE20	MCS0	116	5580	7.311	7.558	96.52	10.600	≤ 11.00
11ax-HE20	MCS0	140	5700	7.257	7.560	96.52	10.575	≤ 11.00
11ax-HE20	MCS0	144	5720	7.380	7.567	96.52	10.639	≤ 11.00
11ax-HE40	MCS0	102	5510	4.599	4.388	96.65	7.653	≤ 11.00
11ax-HE40	MCS0	110	5550	4.672	4.329	96.65	7.662	≤ 11.00
11ax-HE40	MCS0	134	5670	4.521	4.169	96.65	7.507	≤ 11.00
11ax-HE40	MCS0	142	5710	4.712	3.990	96.65	7.524	≤ 11.00
11ax-HE80	MCS0	106	5530	1.368	0.674	97.18	4.169	≤ 11.00
11ax-HE80	MCS0	122	5610	1.284	0.807	97.18	4.187	≤ 11.00
11ax-HE80	MCS0	138	5690	1.258	1.392	97.18	4.460	≤ 11.00
11ax-HE160	MCS0	114	5570	-1.127	-1.116	97.24	2.010	≤ 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			
11be-EHT20	MCS0	100	5500	7.533	7.075	97.57	10.427	≤ 11.00
11be-EHT20	MCS0	116	5580	7.523	7.318	97.57	10.539	≤ 11.00
11be-EHT20	MCS0	140	5700	7.429	7.354	97.57	10.509	≤ 11.00
11be-EHT20	MCS0	144	5720	7.489	7.452	97.57	10.588	≤ 11.00
11be-EHT40	MCS0	102	5510	4.516	4.184	97.31	7.482	≤ 11.00
11be-EHT40	MCS0	110	5550	4.482	4.249	97.31	7.496	≤ 11.00
11be-EHT40	MCS0	134	5670	4.382	4.191	97.31	7.416	≤ 11.00
11be-EHT40	MCS0	142	5710	4.408	3.721	97.31	7.207	≤ 11.00
11be-EHT80	MCS0	106	5530	1.495	1.512	97.15	4.639	≤ 11.00
11be-EHT80	MCS0	122	5610	1.558	1.430	97.15	4.630	≤ 11.00
11be-EHT80	MCS0	138	5690	1.354	1.670	97.15	4.651	≤ 11.00
11be-EHT160	MCS0	114	5570	-1.154	-1.290	96.54	1.942	≤ 11.00

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

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

Test Site	SIP-TR1	Test Engineer	Nolan Chen
Test Date	2025-07-11 ~ 2025-07-12		
Test Item	Power Spectral Density (UNII-Band 3)		

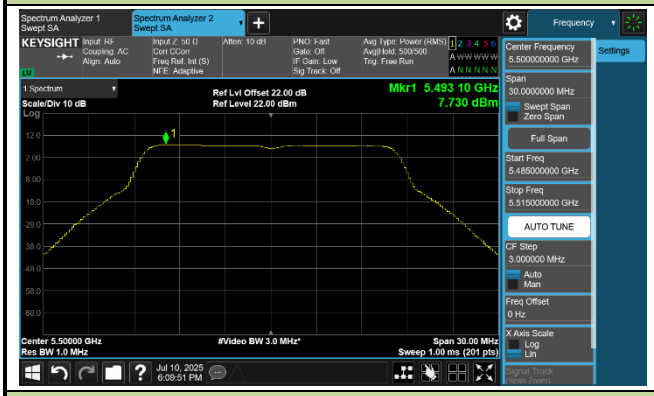
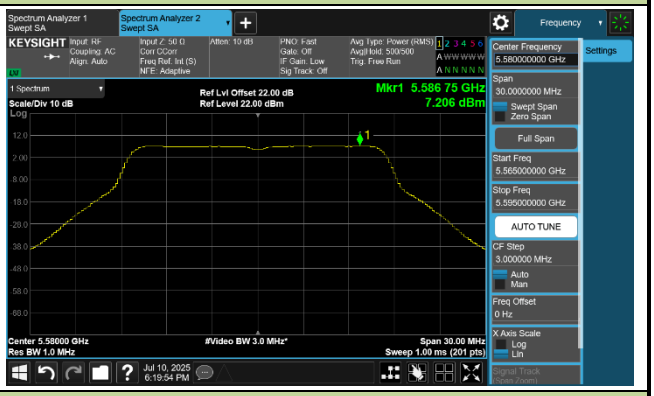
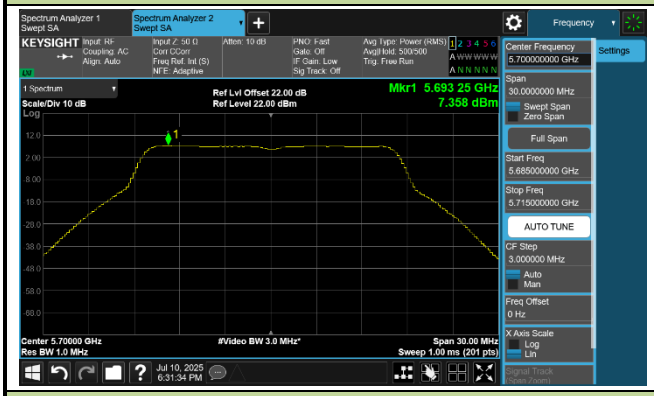
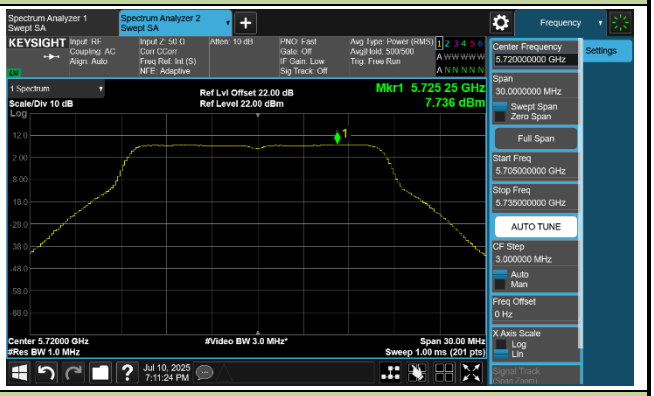
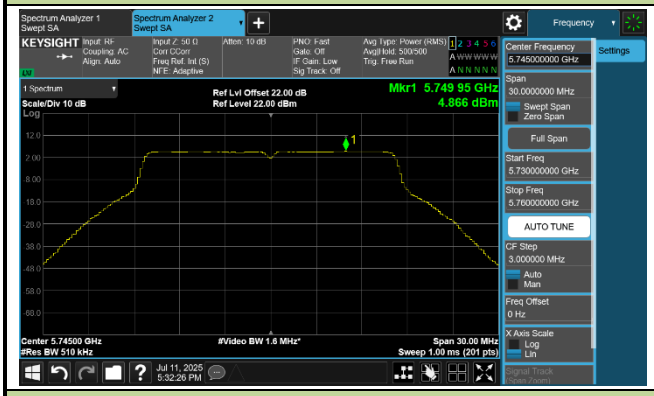
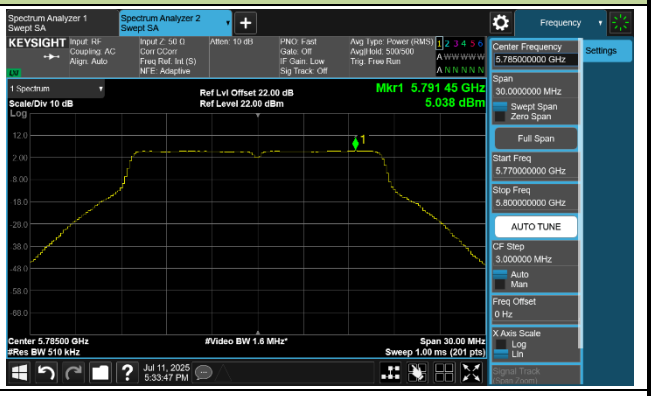
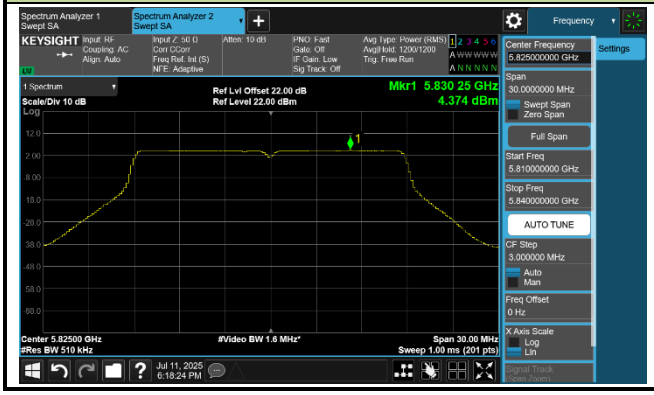
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ 510 kHz)		Duty Cycle (%)	Total PSD (dBm/ 510 kHz)	PSD Limit (dBm/ 500 kHz)
				Ant 0	Ant 1			
11a	6 Mbps	149	5745	4.866	5.043	98.95	7.966	≤ 30.00
11a	6 Mbps	157	5785	5.038	5.491	98.95	8.281	≤ 30.00
11a	6 Mbps	165	5825	4.374	5.163	98.95	7.797	≤ 30.00
11ac-VHT20	MCS0	149	5745	4.628	4.392	96.37	7.682	≤ 30.00
11ac-VHT20	MCS0	157	5785	4.773	5.025	96.37	8.072	≤ 30.00
11ac-VHT20	MCS0	165	5825	4.593	4.826	96.37	7.882	≤ 30.00
11ac-VHT40	MCS0	151	5755	1.977	1.790	96.49	5.050	≤ 30.00
11ac-VHT40	MCS0	159	5795	1.783	2.131	96.49	5.126	≤ 30.00
11ac-VHT80	MCS0	155	5775	-1.160	-1.105	96.48	2.034	≤ 30.00
11ax-HE20	MCS0	149	5745	4.340	4.549	96.52	7.610	≤ 30.00
11ax-HE20	MCS0	157	5785	4.589	4.910	96.52	7.917	≤ 30.00
11ax-HE20	MCS0	165	5825	4.319	4.718	96.52	7.687	≤ 30.00
11ax-HE40	MCS0	151	5755	1.603	1.249	96.65	4.588	≤ 30.00
11ax-HE40	MCS0	159	5795	1.343	1.868	96.65	4.772	≤ 30.00
11ax-HE80	MCS0	155	5775	-1.621	-1.227	97.18	1.715	≤ 30.00
11be-EHT20	MCS0	149	5745	4.519	4.415	97.57	7.584	≤ 30.00
11be-EHT20	MCS0	157	5785	4.405	5.021	97.57	7.841	≤ 30.00
11be-EHT20	MCS0	165	5825	4.304	4.574	97.57	7.558	≤ 30.00
11be-EHT40	MCS0	151	5755	1.547	0.873	97.31	4.352	≤ 30.00
11be-EHT40	MCS0	159	5795	1.499	1.747	97.31	4.753	≤ 30.00
11be-EHT80	MCS0	155	5775	-1.377	-1.337	97.15	1.779	≤ 30.00

Note:

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

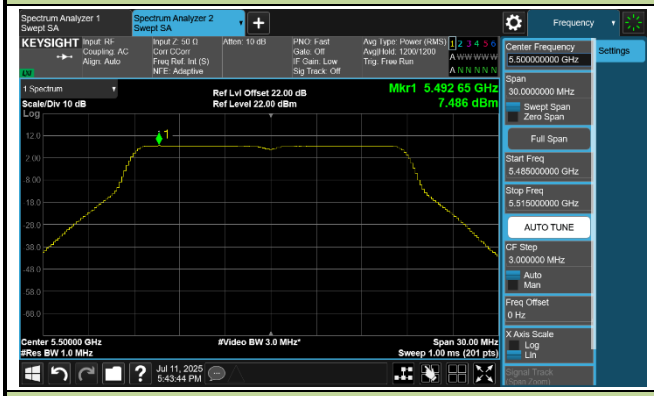
+10*log (1/Duty cycle).

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

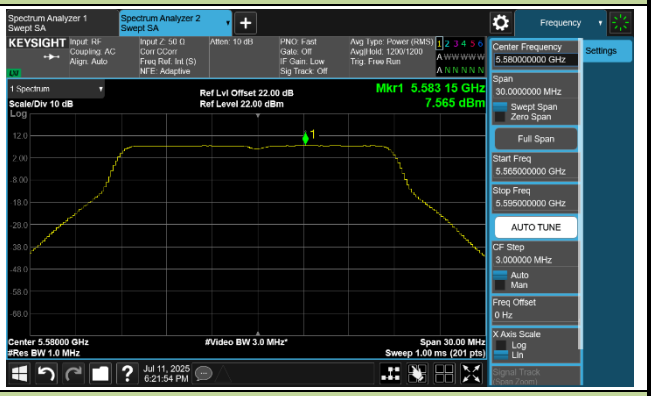
802.11a Power Spectral Density - Ant 0	
Channel 100 (5500 MHz)	Channel 116 (5580 MHz)
	
Channel 140 (5700 MHz)	Channel 144 (5720 MHz)
	
Channel 149 (5745 MHz)	Channel 157 (5785 MHz)
	
Channel 165 (5825 MHz)	
	

802.11ac-VHT20 Power Spectral Density - Ant 0

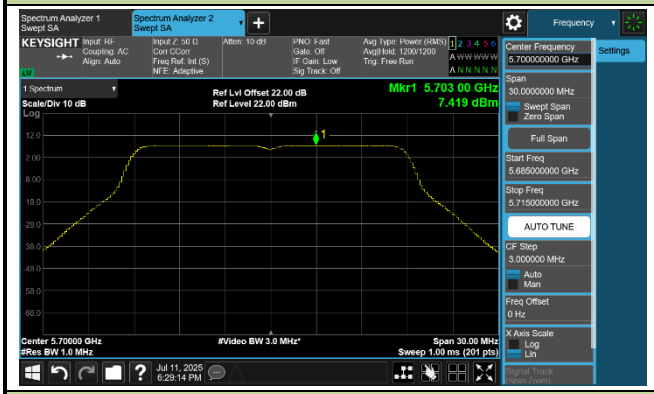
Channel 100 (5500 MHz)



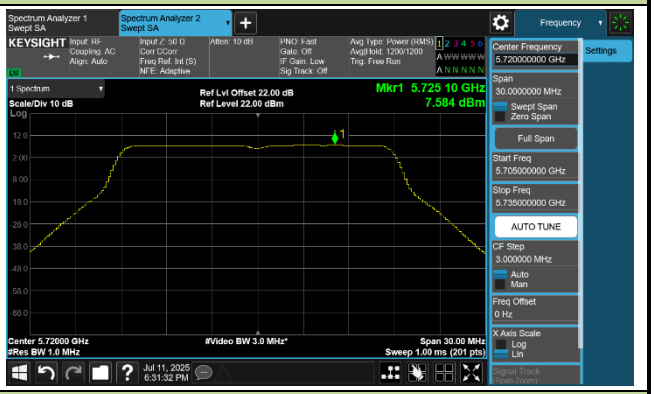
Channel 116 (5580 MHz)



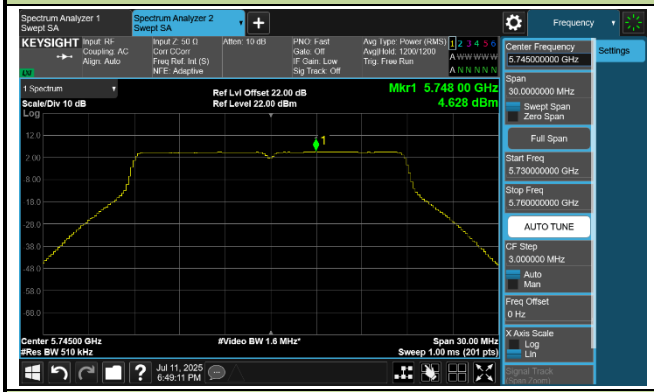
Channel 140 (5700 MHz)



Channel 144 (5720 MHz)



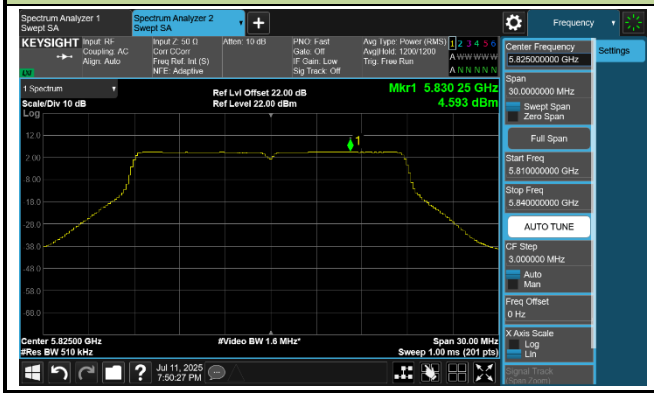
Channel 149 (5745 MHz)

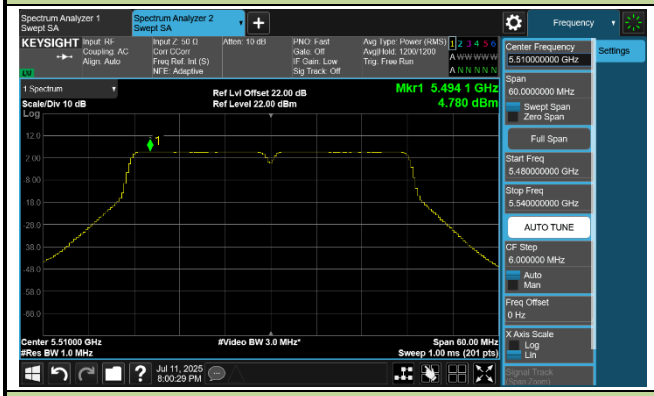
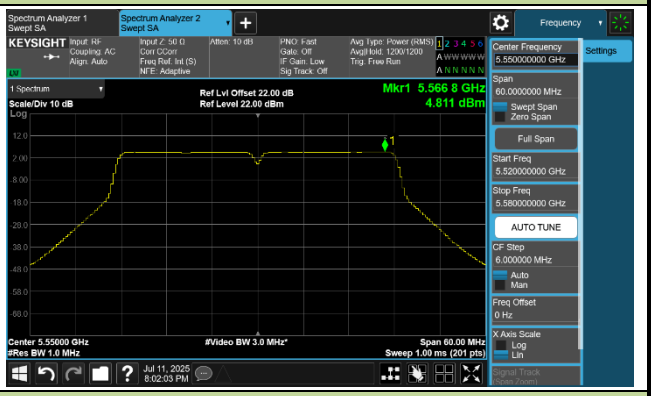
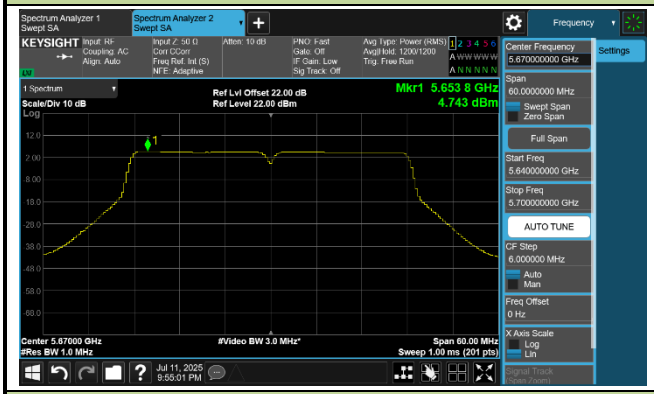
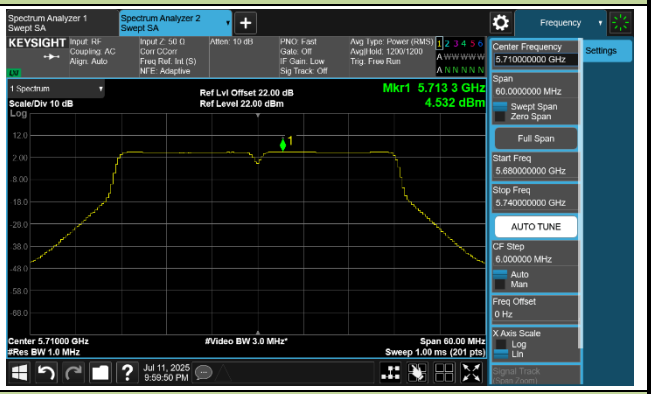
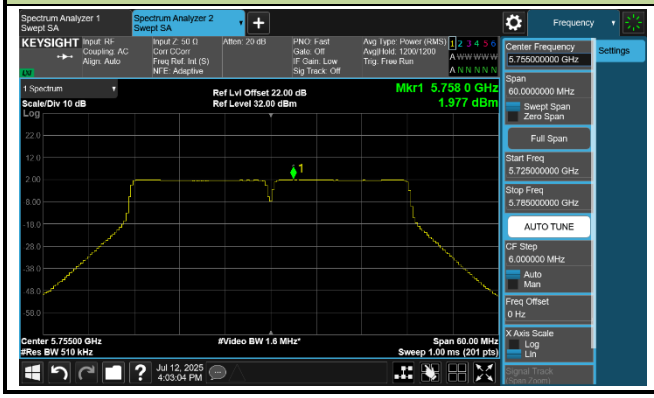
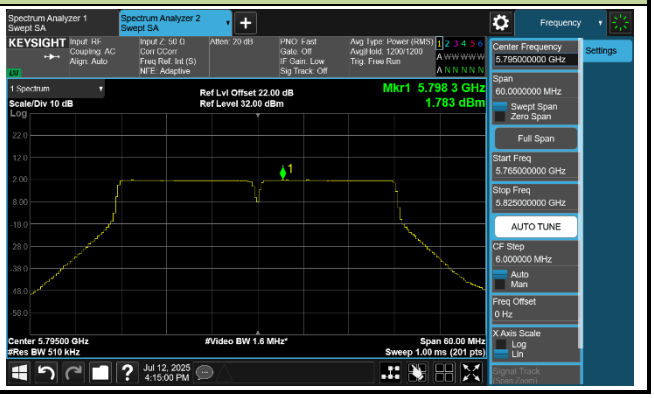


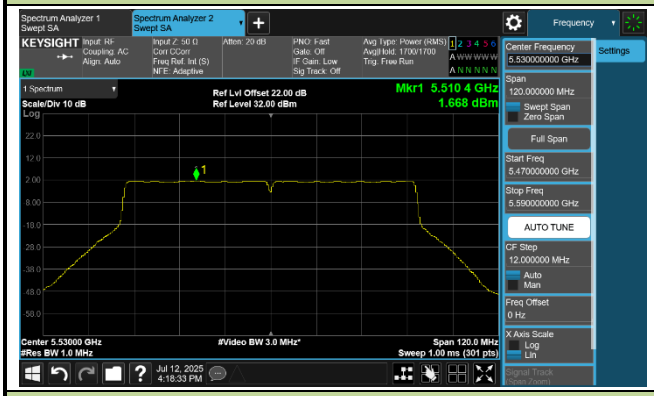
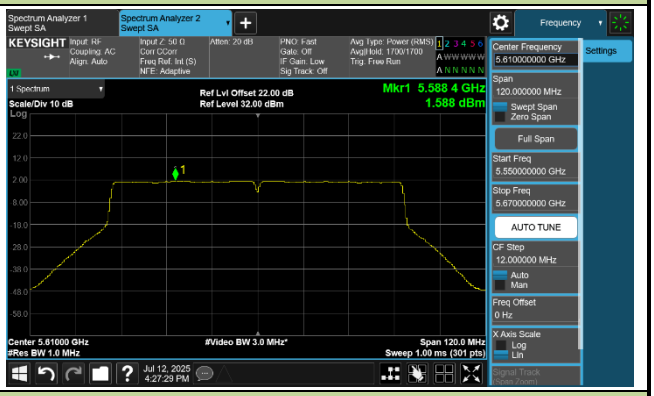
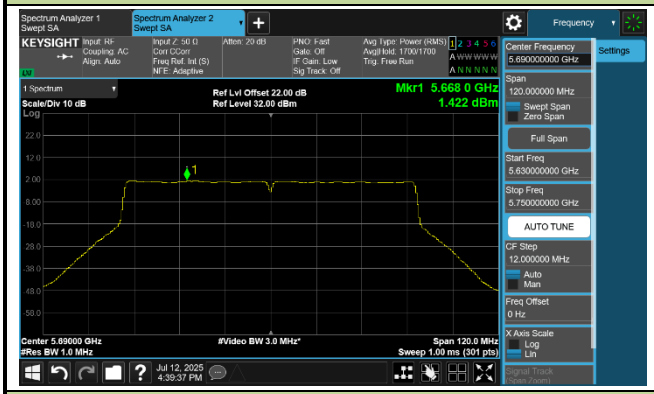
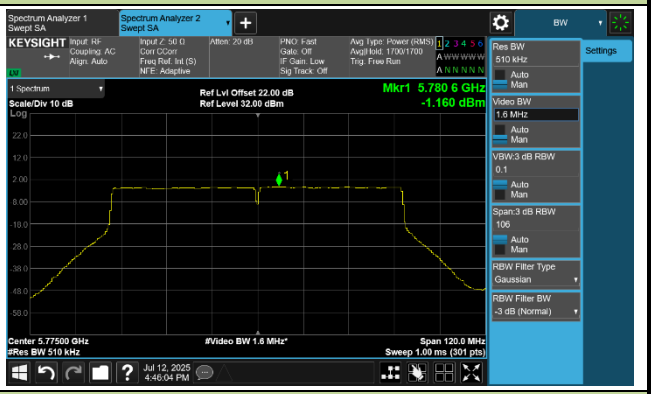
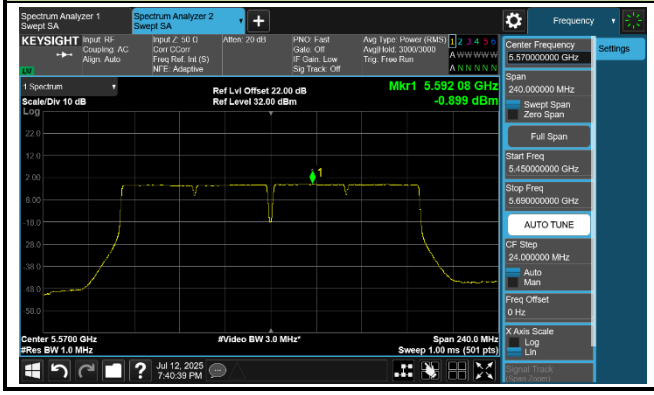
Channel 157 (5785 MHz)

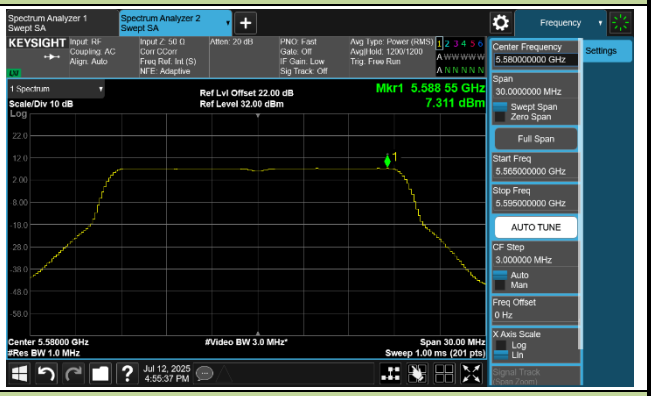
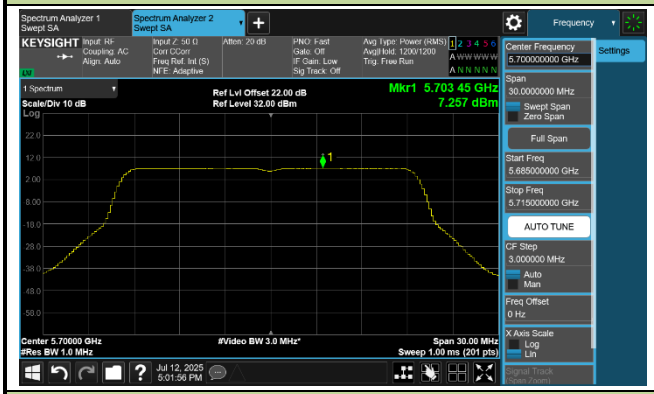
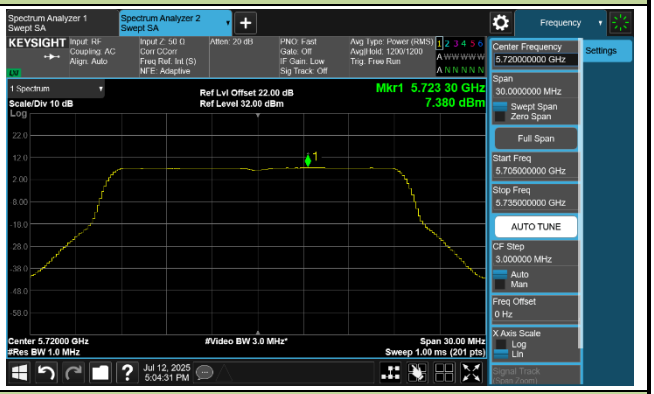
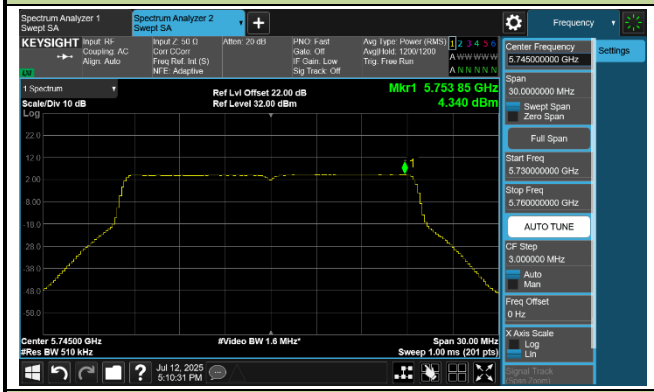
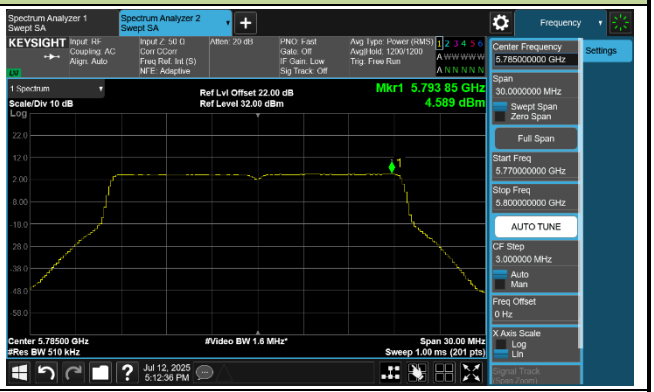


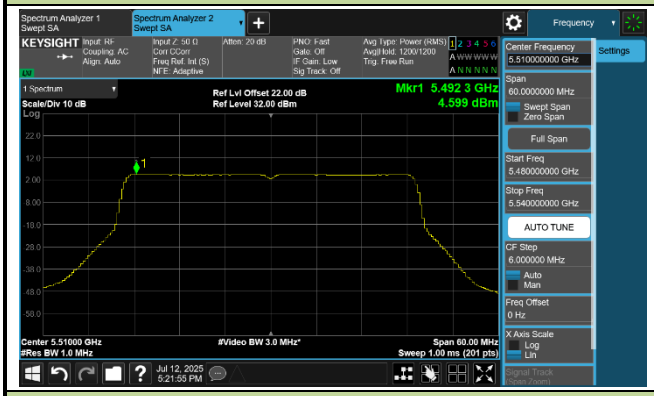
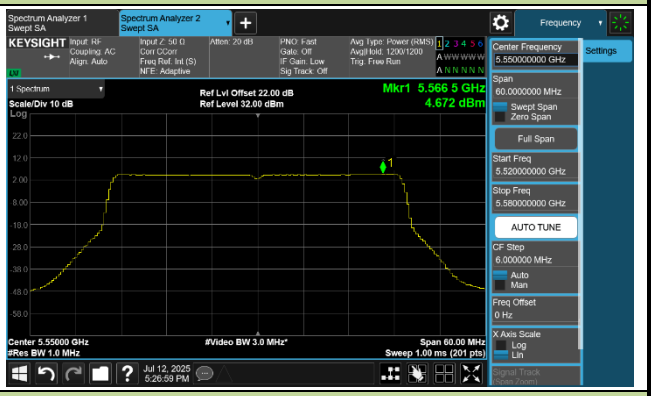
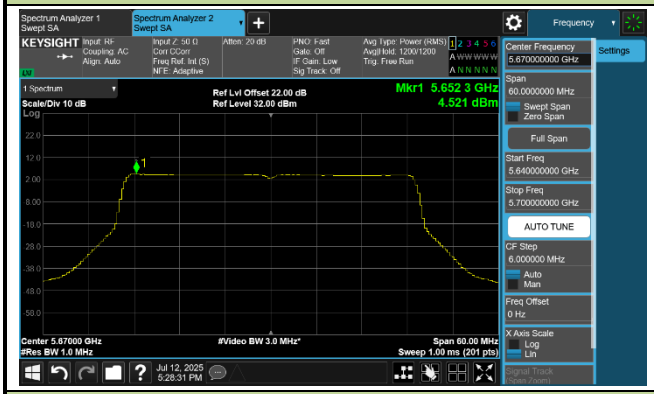
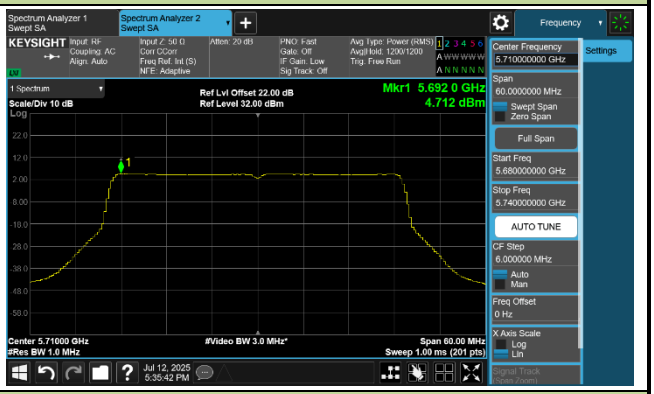
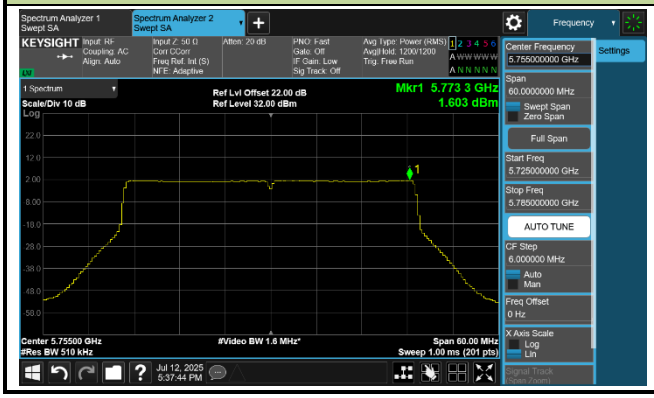
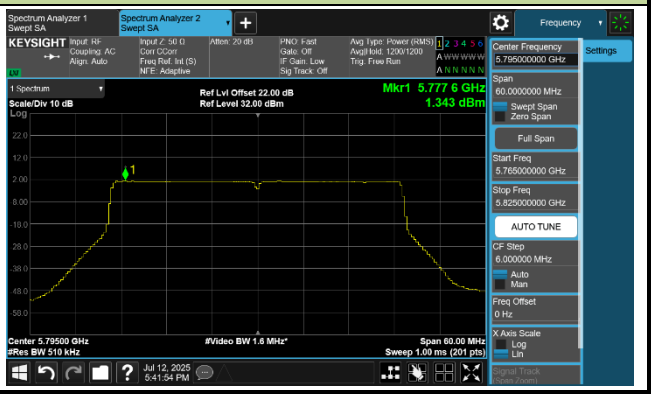
Channel 165 (5825 MHz)

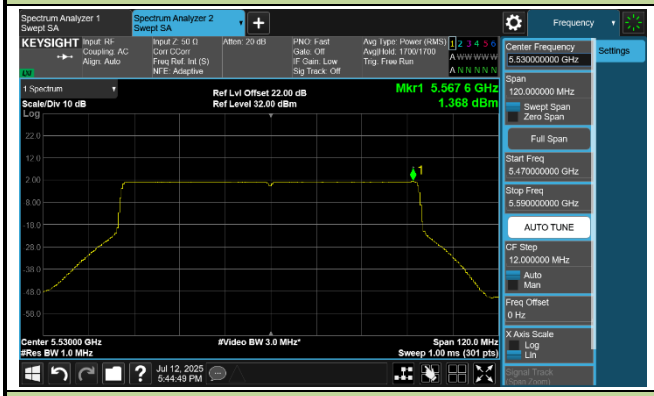
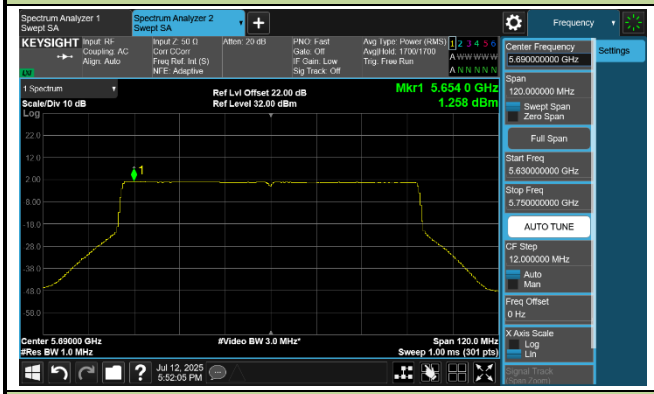
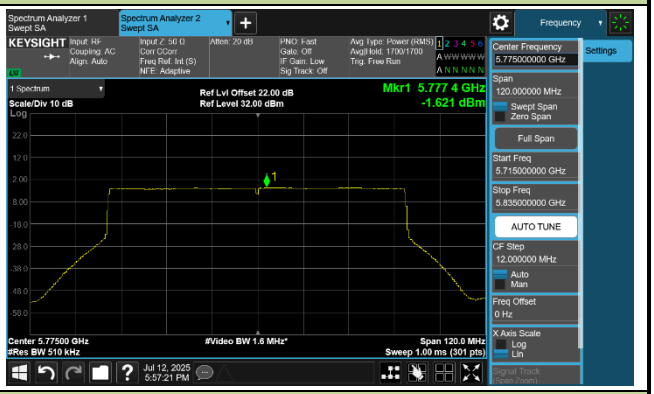
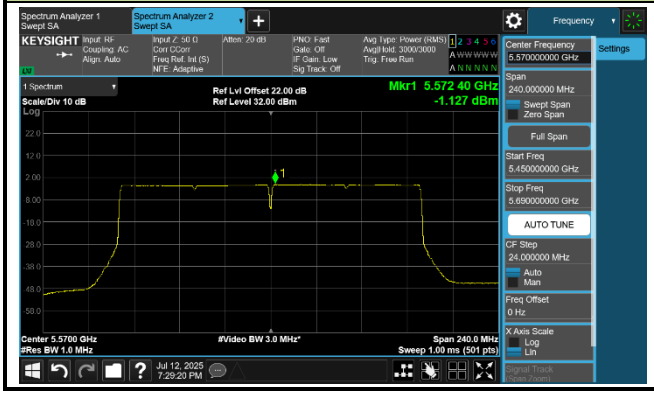


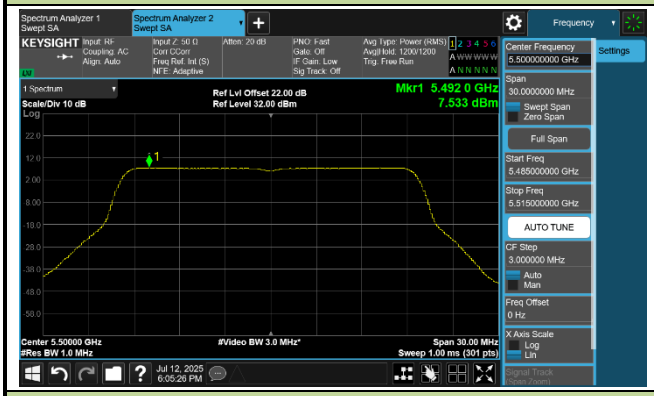
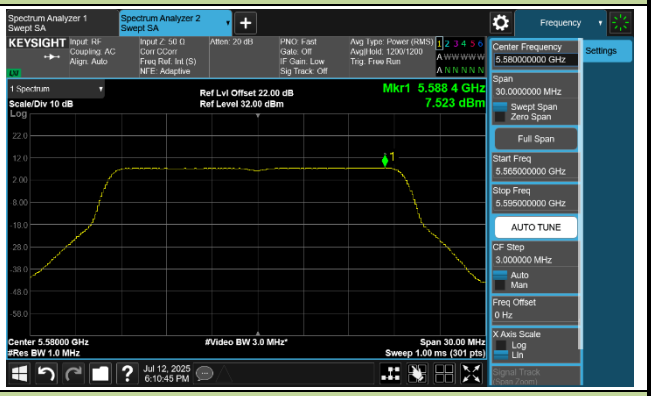
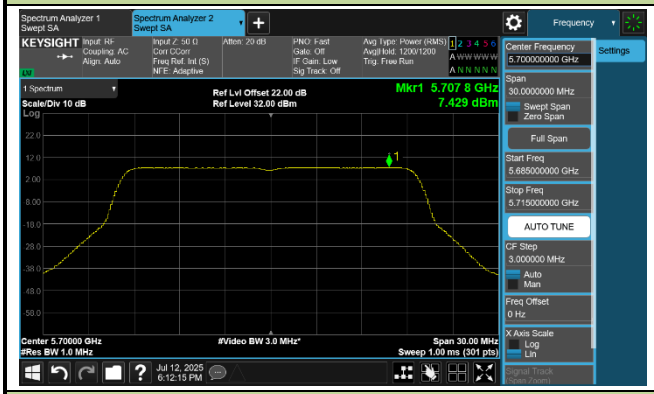
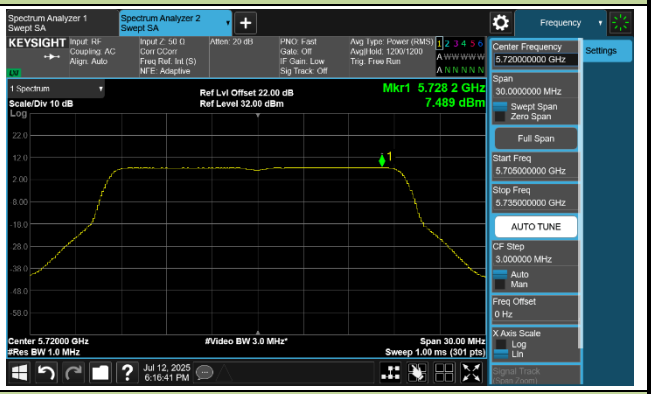
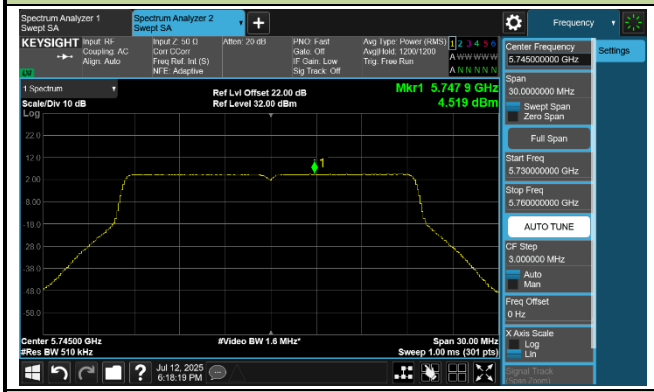
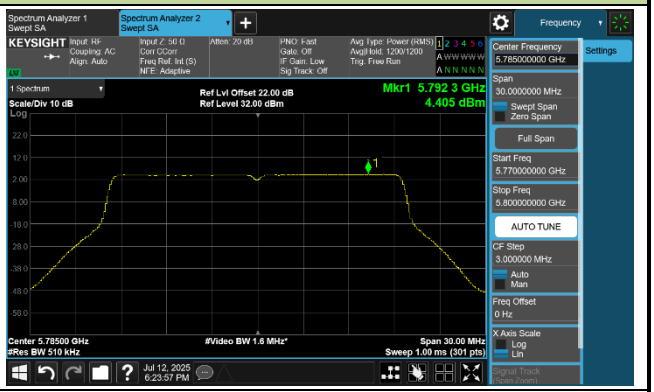
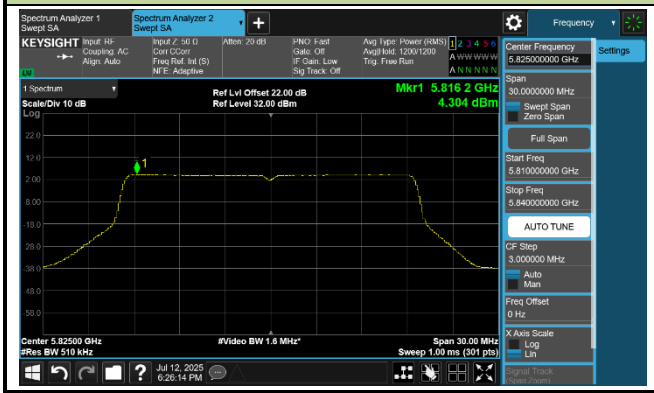
802.11ac-VHT40 Power Spectral Density- Ant 0	
Channel 102 (5510 MHz)	Channel 110 (5550 MHz)
	
Channel 134 (5670 MHz)	Channel 142 (5710 MHz)
	
Channel 151 (5755 MHz)	Channel 159 (5795 MHz)
	

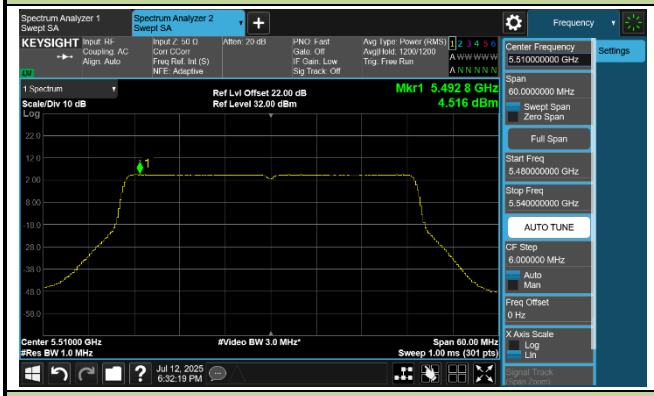
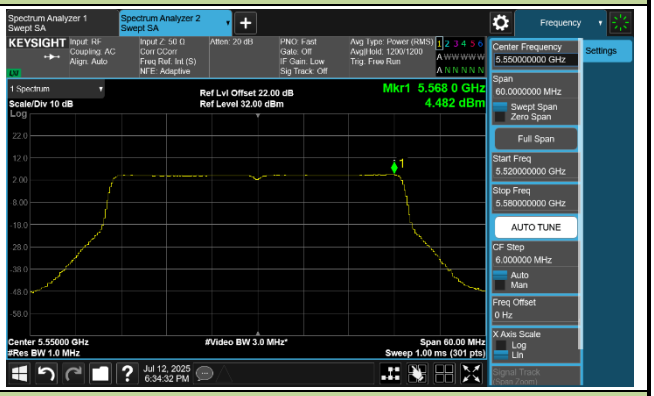
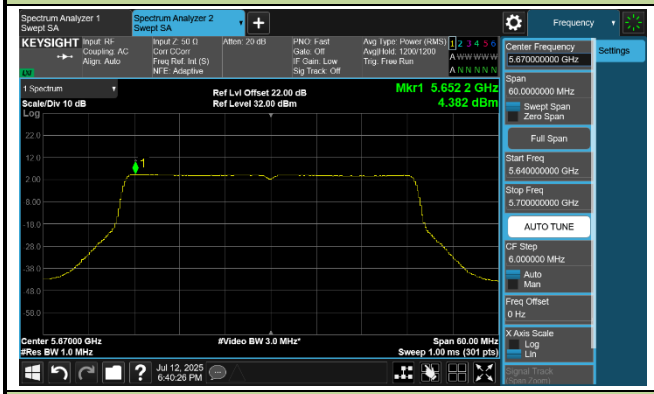
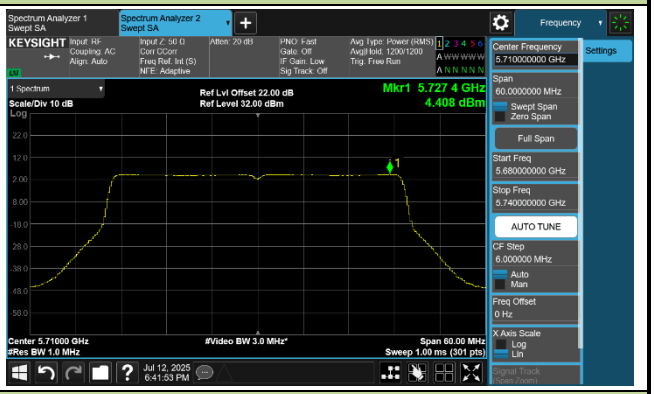
802.11ac-VHT80 Power Spectral Density- Ant 0	
Channel 106 (5530 MHz)	Channel 122 (5610 MHz)
	
Channel 138 (5690 MHz)	Channel 155 (5775 MHz)
	
802.11ac-VHT160 Power Spectral Density- Ant 0	
Channel 114 (5570 MHz)	
	

802.11ax-HE20 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)	
	

802.11ax-HE40 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)
	

802.11ax-HE80 Power Spectral Density- Ant 0	
Channel 106 (5530 MHz)	Channel 122 (5610 MHz)
	
Channel 138 (5690 MHz)	Channel 155 (5775 MHz)
	
802.11ax-HE160 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)	
	

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)
