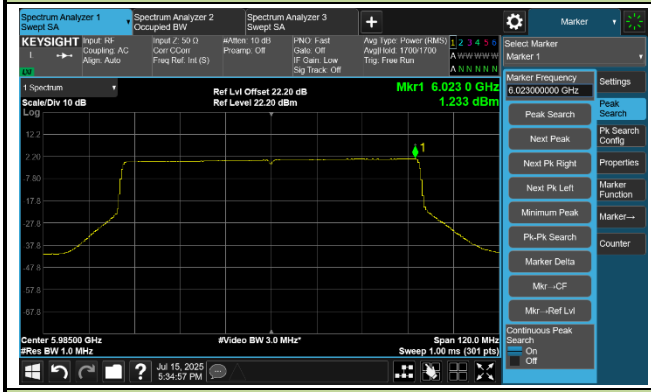
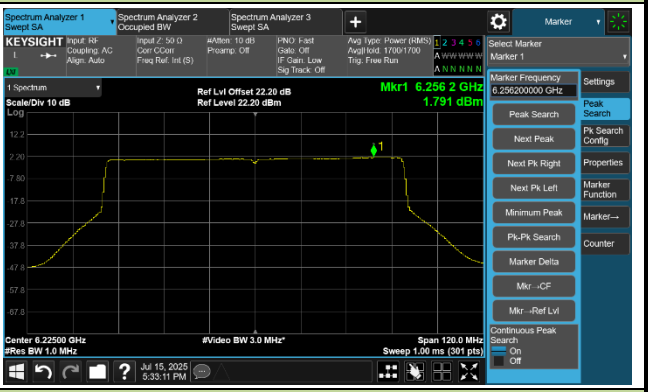
802.11be-EHT80 Power Spectral Density- Ant 1

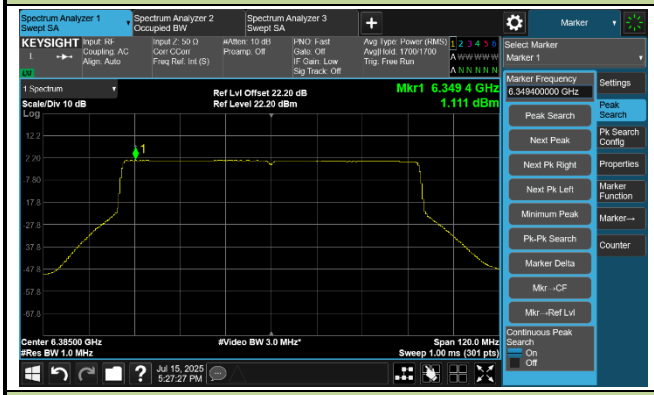
Channel 7 (5985 MHz)



Channel 55 (6225 MHz)

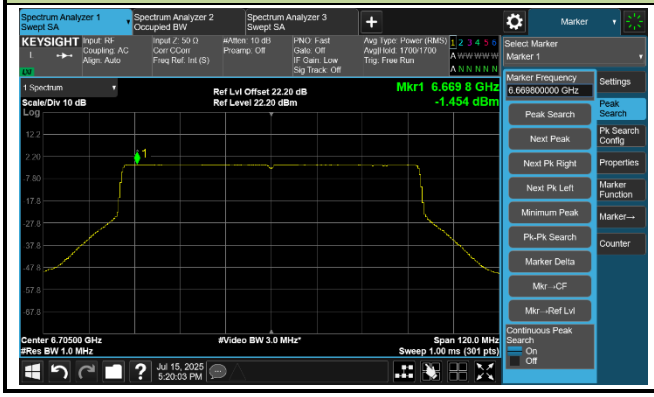


Channel 87 (6385 MHz)

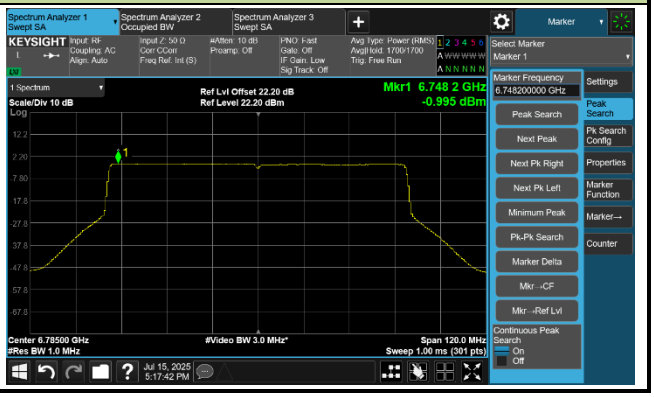


Channel 135 (6625 MHz)

Channel 151 (6705 MHz)

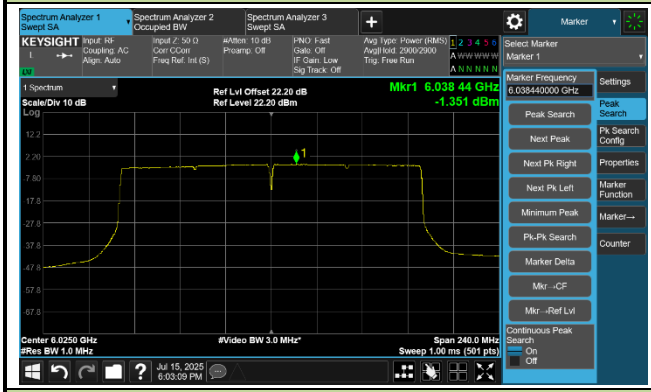


Channel 167 (6785 MHz)

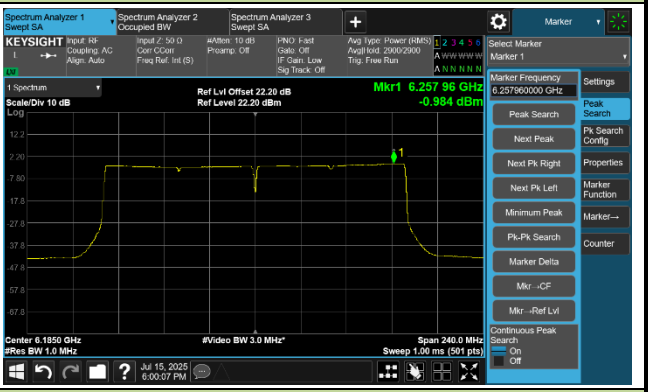


802.11be-EHT160 Power Spectral Density- Ant 1

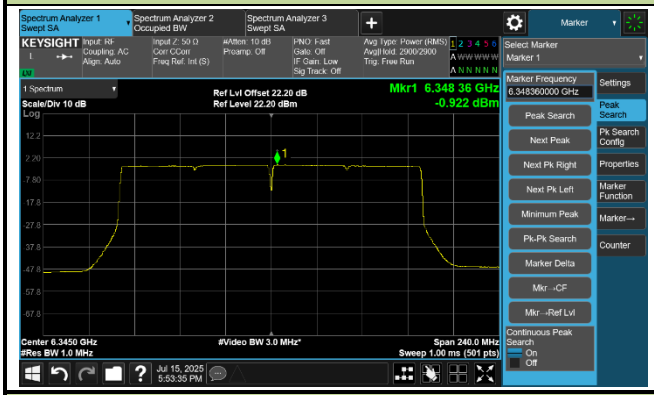
Channel 15 (6025 MHz)



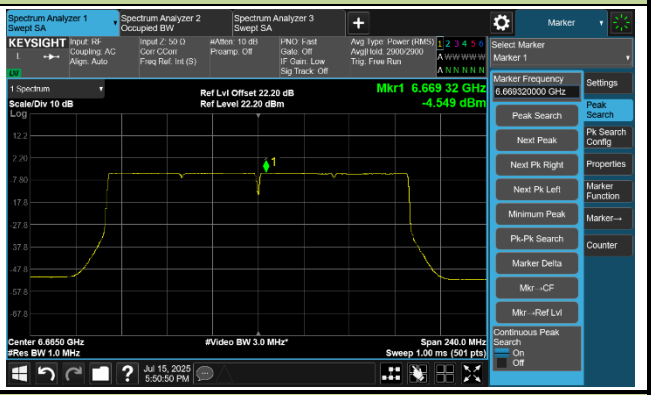
Channel 47 (6185 MHz)



Channel 79 (6345 MHz)

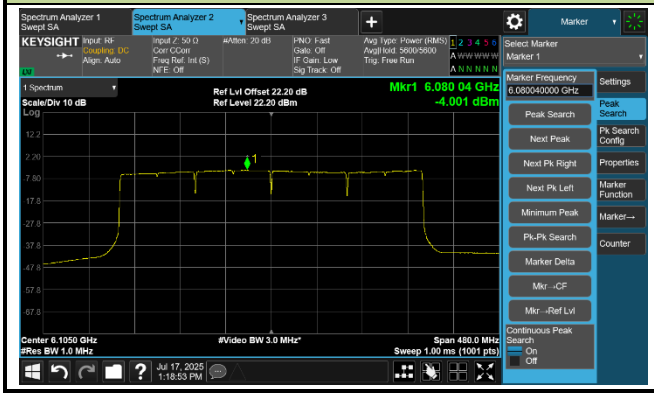


Channel 143 (6665 MHz)

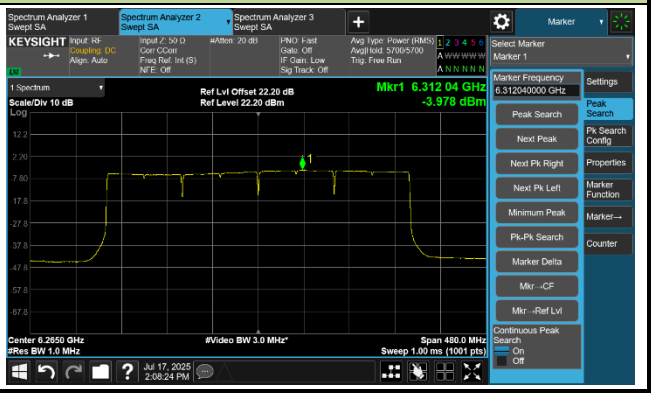


802.11be-EHT320 Power Spectral Density- Ant 1

Channel 31 (6105 MHz)



Channel 63 (6265 MHz)



AP571e - WLAN Config 1

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-07-15 ~ 2025-07-22		

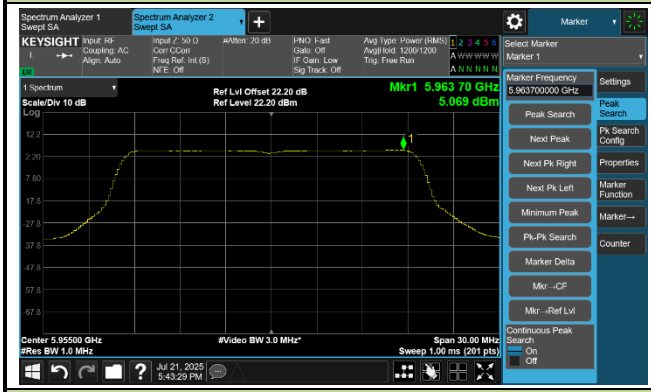
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
				Ant 0	Ant 1			
802.11ax-HE20	MCS0	1	5955	5.069	4.839	8.116	10.63	≤ 23.00
802.11ax-HE20	MCS0	49	6195	4.938	5.590	8.437	10.95	≤ 23.00
802.11ax-HE20	MCS0	93	6415	4.669	5.598	8.319	10.83	≤ 23.00
802.11ax-HE20	MCS0	117	6535	4.967	5.238	8.265	12.81	≤ 23.00
802.11ax-HE20	MCS0	149	6695	4.914	4.886	8.061	12.60	≤ 23.00
802.11ax-HE20	MCS0	181	6855	5.160	5.299	8.391	12.93	≤ 23.00
802.11ax-HE40	MCS0	3	5965	2.017	2.492	5.421	7.93	≤ 23.00
802.11ax-HE40	MCS0	51	6205	1.718	2.571	5.325	7.84	≤ 23.00
802.11ax-HE40	MCS0	91	6405	2.220	2.425	5.483	7.99	≤ 23.00
802.11ax-HE40	MCS0	123	6565	2.227	2.045	5.297	9.84	≤ 23.00
802.11ax-HE40	MCS0	147	6685	2.058	1.919	5.149	9.69	≤ 23.00
802.11ax-HE40	MCS0	179	6845	2.379	2.095	5.399	9.94	≤ 23.00
802.11ax-HE80	MCS0	7	5985	0.033	-0.185	3.047	5.56	≤ 23.00
802.11ax-HE80	MCS0	55	6225	-1.085	-0.361	2.413	4.92	≤ 23.00
802.11ax-HE80	MCS0	87	6385	-1.046	-0.469	2.373	4.88	≤ 23.00
802.11ax-HE80	MCS0	135	6625	-1.173	-1.348	1.862	6.40	≤ 23.00
802.11ax-HE80	MCS0	151	6705	-1.162	-1.424	1.830	6.37	≤ 23.00
802.11ax-HE80	MCS0	167	6785	-1.220	-0.931	2.048	6.59	≤ 23.00
802.11ax-HE160	MCS0	15	6025	-3.403	-2.621	0.169	2.68	≤ 23.00
802.11ax-HE160	MCS0	47	6185	-3.118	-2.386	0.427	2.94	≤ 23.00
802.11ax-HE160	MCS0	79	6345	-3.118	-2.780	0.218	2.73	≤ 23.00
802.11ax-HE160	MCS0	143	6665	-4.597	-5.004	-1.633	2.91	≤ 23.00
802.11be-EHT20	MCS0	1	5955	4.940	5.389	8.342	10.85	≤ 23.00
802.11be-EHT20	MCS0	49	6195	4.462	5.490	8.178	10.69	≤ 23.00
802.11be-EHT20	MCS0	93	6415	4.645	5.912	8.496	11.01	≤ 23.00
802.11be-EHT20	MCS0	117	6535	4.868	5.097	8.155	12.70	≤ 23.00
802.11be-EHT20	MCS0	149	6695	4.940	4.477	7.886	12.43	≤ 23.00
802.11be-EHT20	MCS0	181	6855	4.962	4.699	8.004	12.54	≤ 23.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
				Ant 0	Ant 1			
802.11be-EHT40	MCS0	3	5965	1.740	2.380	5.181	7.69	≤ 23.00
802.11be-EHT40	MCS0	51	6205	2.084	2.797	5.564	8.07	≤ 23.00
802.11be-EHT40	MCS0	91	6405	2.267	2.936	5.724	8.23	≤ 23.00
802.11be-EHT40	MCS0	123	6565	1.697	1.788	4.852	9.39	≤ 23.00
802.11be-EHT40	MCS0	147	6685	1.889	1.657	4.884	9.42	≤ 23.00
802.11be-EHT40	MCS0	179	6845	2.183	2.008	5.206	9.75	≤ 23.00
802.11be-EHT80	MCS0	7	5985	-0.585	-0.449	2.620	5.13	≤ 23.00
802.11be-EHT80	MCS0	55	6225	-1.154	-0.731	2.199	4.71	≤ 23.00
802.11be-EHT80	MCS0	87	6385	-0.737	-0.549	2.495	5.00	≤ 23.00
802.11be-EHT80	MCS0	135	6625	-1.202	-1.258	1.907	6.45	≤ 23.00
802.11be-EHT80	MCS0	151	6705	-1.222	-1.454	1.800	6.34	≤ 23.00
802.11be-EHT80	MCS0	167	6785	-1.256	-0.995	2.013	6.55	≤ 23.00
802.11be-EHT160	MCS0	15	6025	-3.472	-3.136	-0.149	2.36	≤ 23.00
802.11be-EHT160	MCS0	47	6185	-2.995	-2.531	0.395	2.91	≤ 23.00
802.11be-EHT160	MCS0	79	6345	-3.219	-2.755	0.171	2.68	≤ 23.00
802.11be-EHT160	MCS0	143	6665	-4.106	-4.549	-1.170	3.37	≤ 23.00
802.11be-EHT320	MCS0	31	6105	-6.554	-5.806	-3.056	-0.55	≤ 23.00
802.11be-EHT320	MCS0	63	6145	-6.758	-5.760	-3.059	-0.55	≤ 23.00

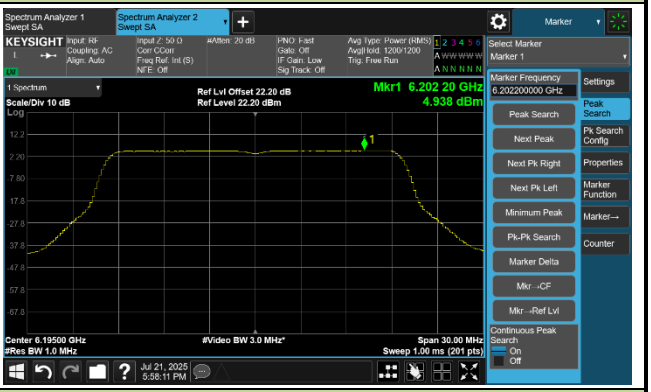
Note: When EUT duty cycle < 98%, EIRP PSD (dBm/MHz) = 10*log {$10^{(\text{Ant 0 PSD}/10)}$ + $10^{(\text{Ant 1 PSD}/10)}$} (dBm/MHz) + 10*log (1/Duty Cycle) + Directional Gain for PSD (dBi).

802.11ax-HE20 Power Spectral Density- Ant 0

Channel 1 (5955 MHz)

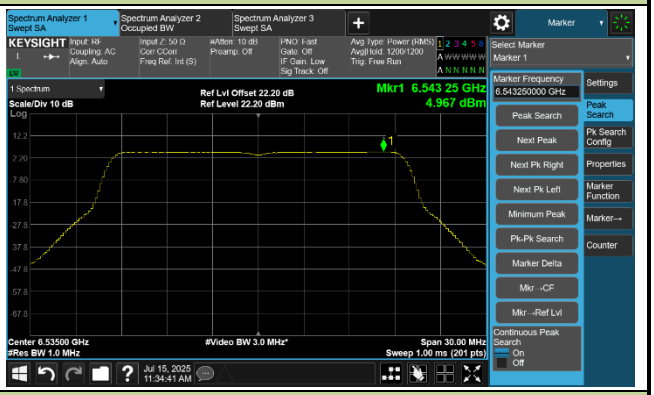


Channel 49 (6195 MHz)

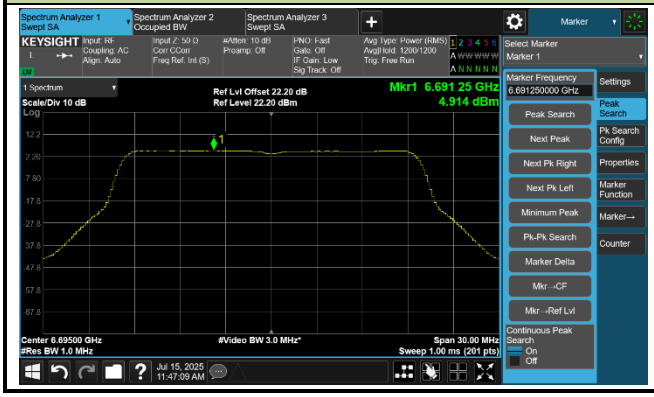


Channel 93 (6415 MHz)

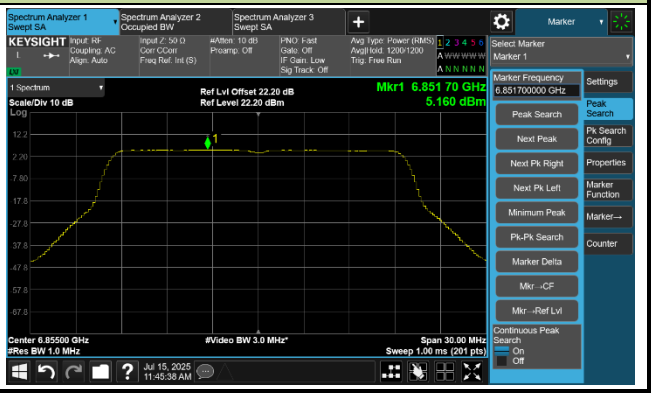
Channel 117 (6535 MHz)



Channel 149 (6695 MHz)

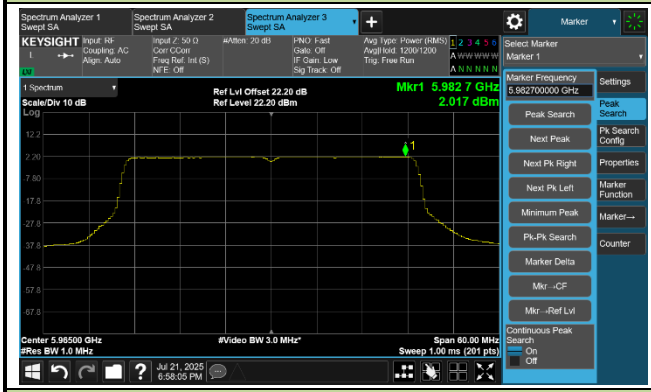


Channel 181 (6855 MHz)

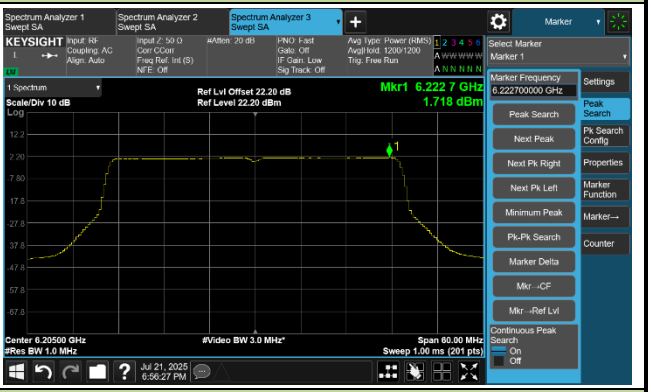


802.11ax-HE40 Power Spectral Density- Ant 0

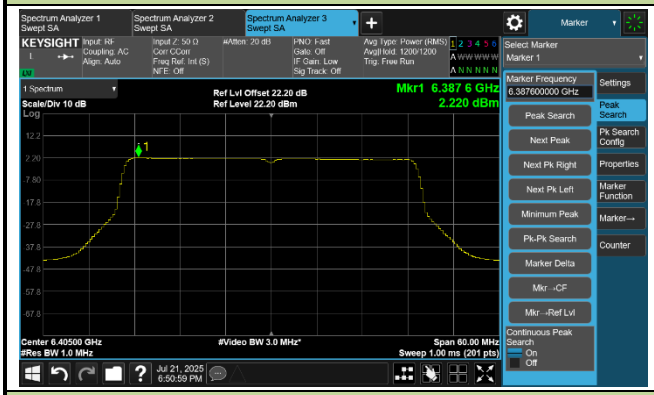
Channel 3 (5965 MHz)



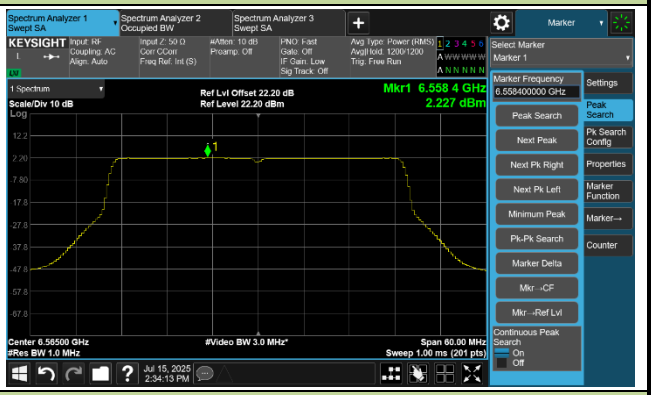
Channel 51 (6205 MHz)



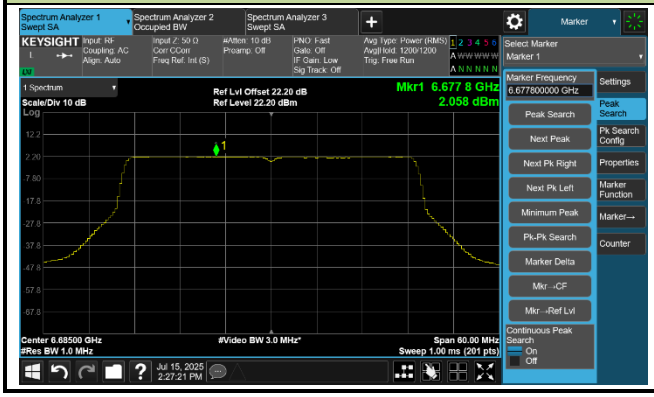
Channel 91 (6405 MHz)



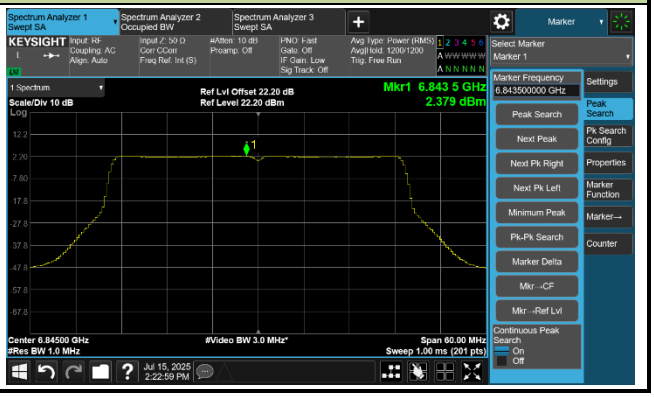
Channel 123 (6565 MHz)



Channel 147 (6685 MHz)

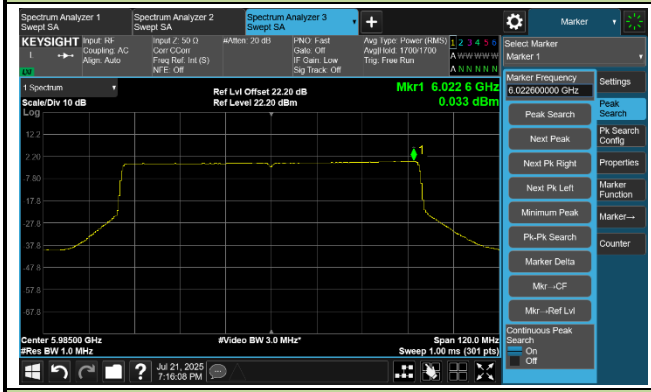


Channel 179 (6845 MHz)

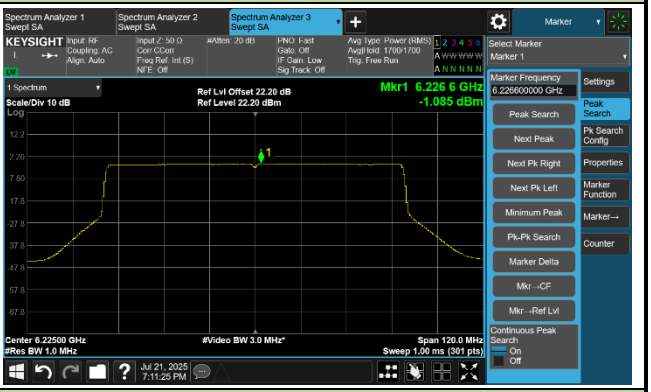


802.11ax-HE80 Power Spectral Density- Ant 0

Channel 7 (5985 MHz)

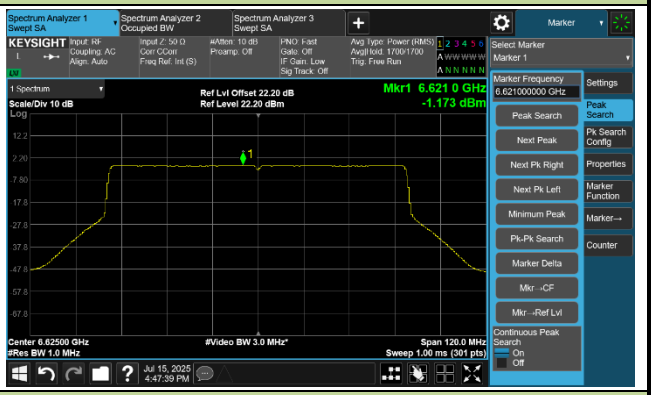


Channel 55 (6225 MHz)

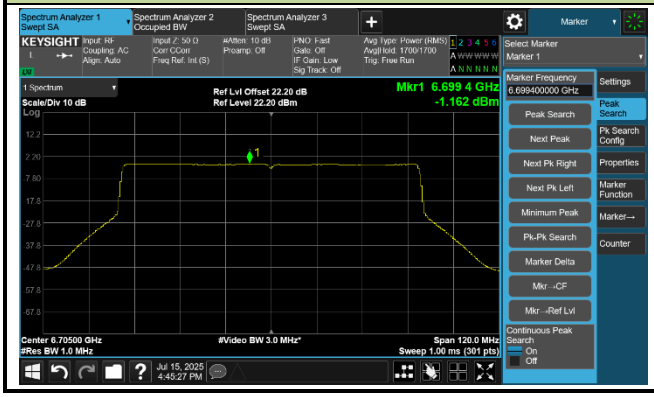


Channel 87 (6385 MHz)

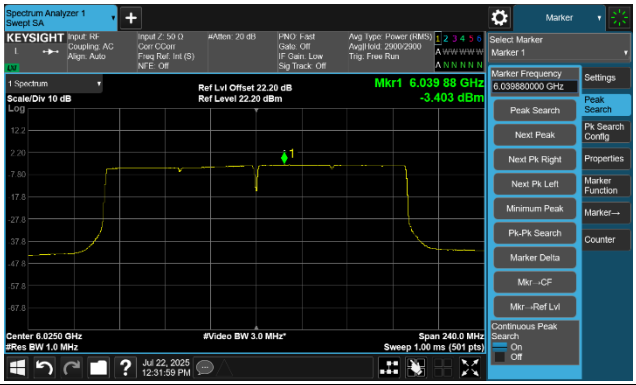
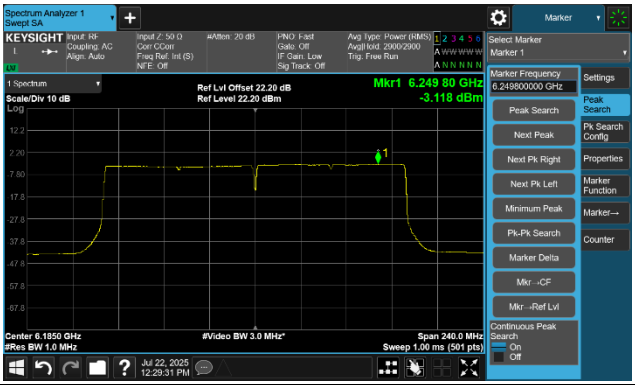
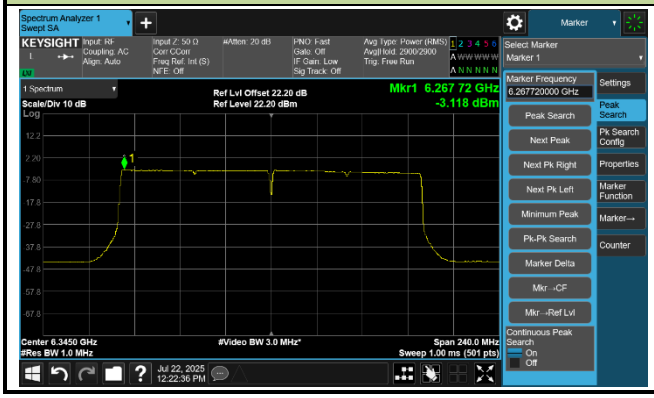
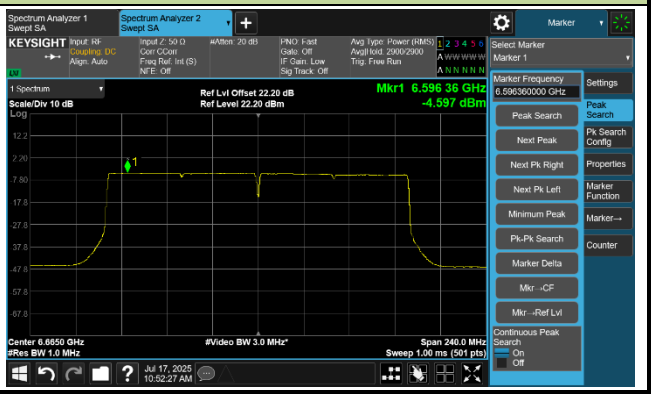
Channel 135 (6625 MHz)



Channel 151 (6705 MHz)

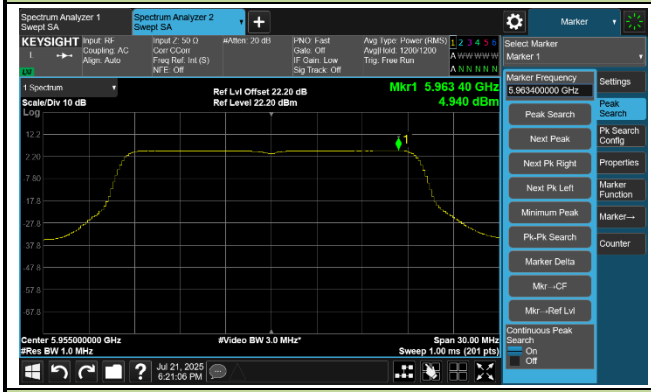


Channel 167 (6785 MHz)

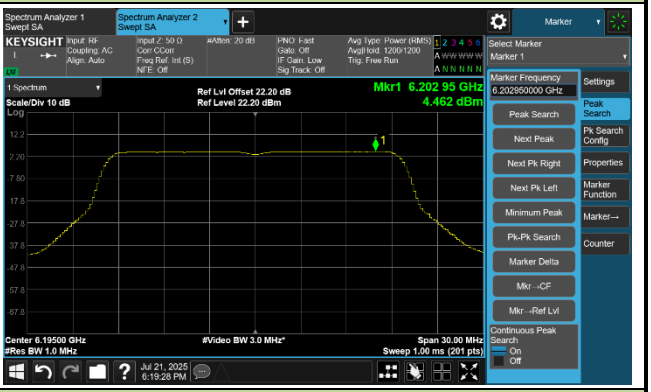
802.11ax-HE160 Power Spectral Density- Ant 0	
Channel 15 (6025 MHz)	Channel 47 (6185 MHz)
	
Channel 79 (6345 MHz)	Channel 143 (6665 MHz)
	

802.11be-EHT20 Power Spectral Density- Ant 0

Channel 1 (5955 MHz)

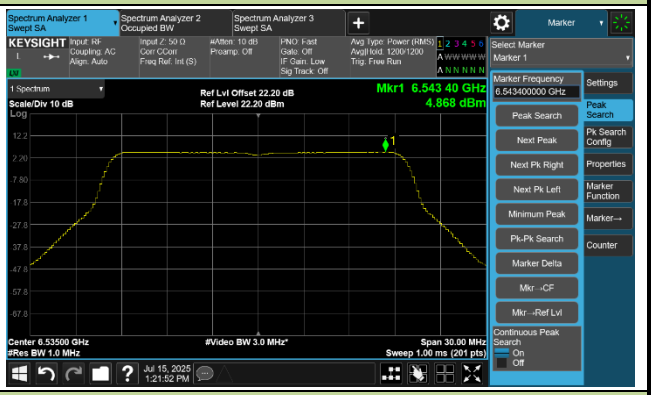


Channel 49 (6195 MHz)

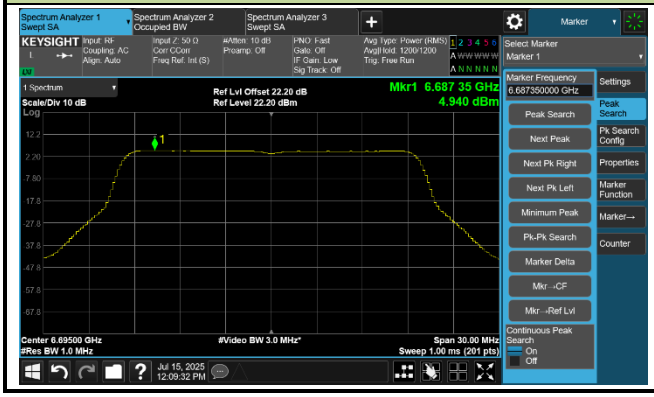


Channel 93 (6415 MHz)

Channel 117 (6535 MHz)



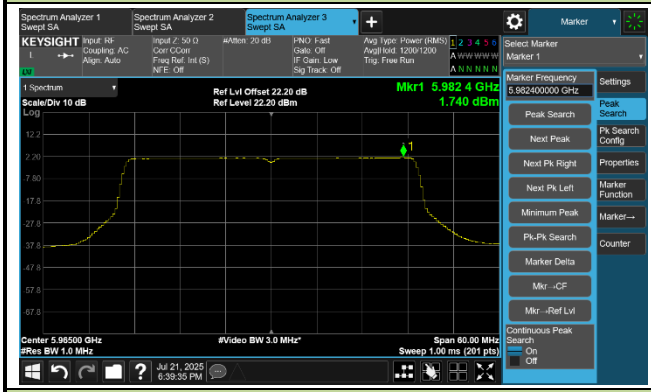
Channel 149 (6695 MHz)



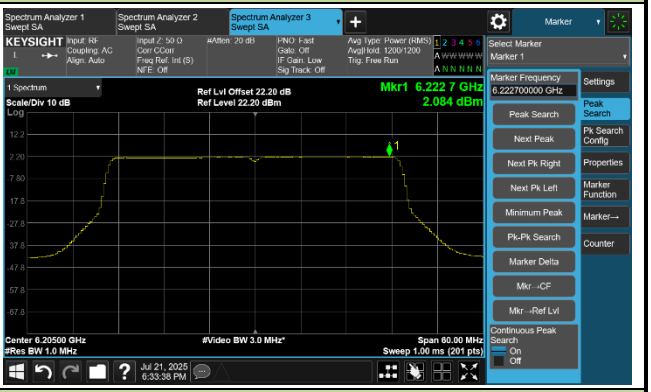
Channel 181 (6855 MHz)

802.11be-EHT40 Power Spectral Density- Ant 0

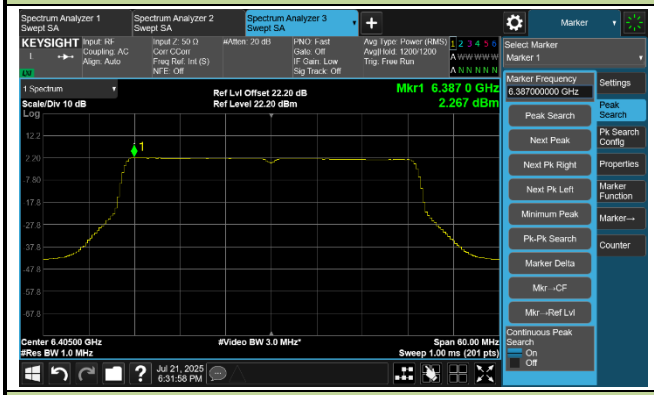
Channel 3 (5965 MHz)



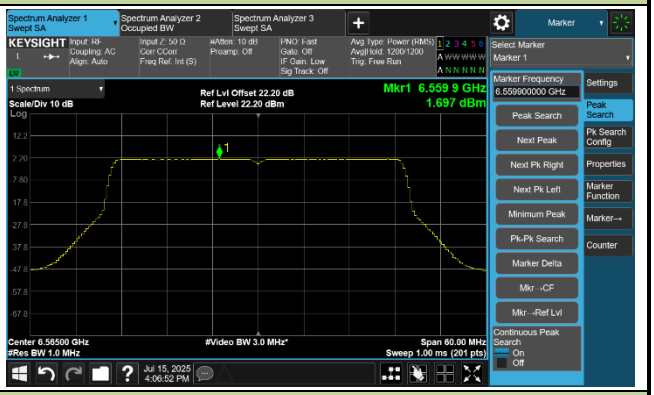
Channel 51 (6205 MHz)



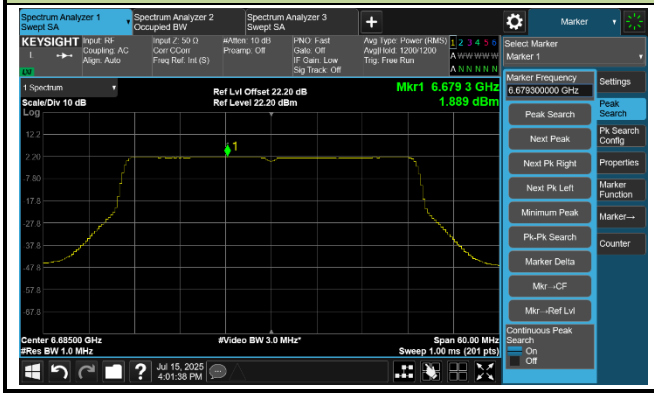
Channel 91 (6405 MHz)



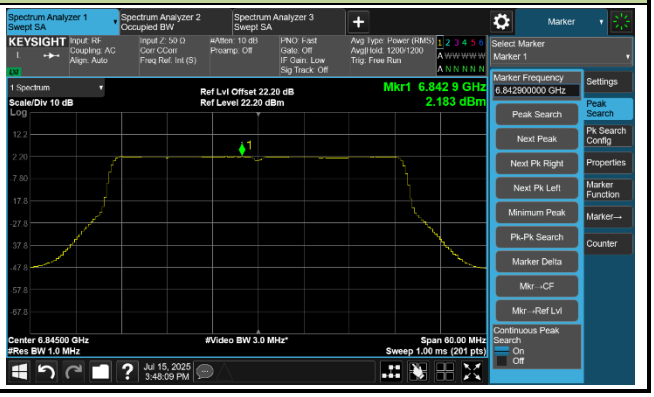
Channel 123 (6565 MHz)



Channel 147 (6685 MHz)

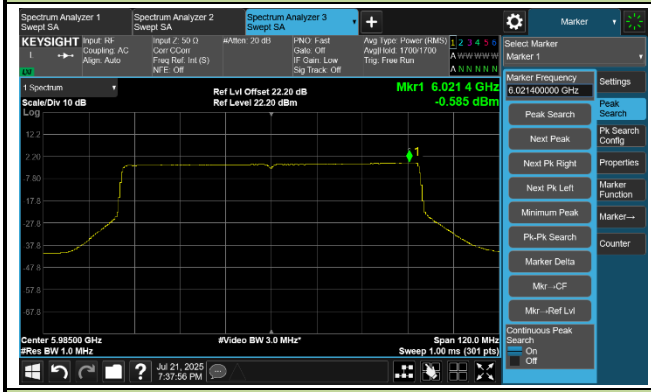


Channel 179 (6845 MHz)

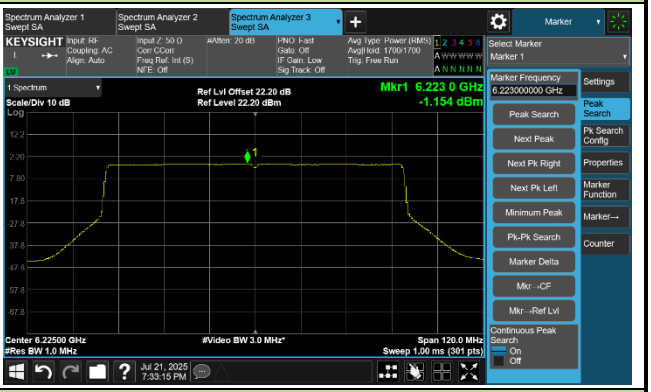


802.11be-EHT80 Power Spectral Density- Ant 0

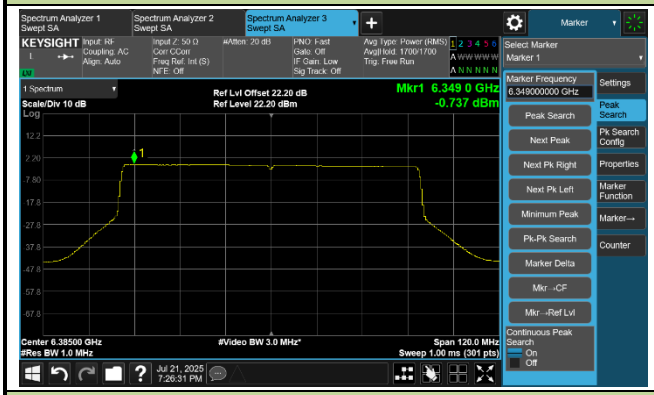
Channel 7 (5985 MHz)



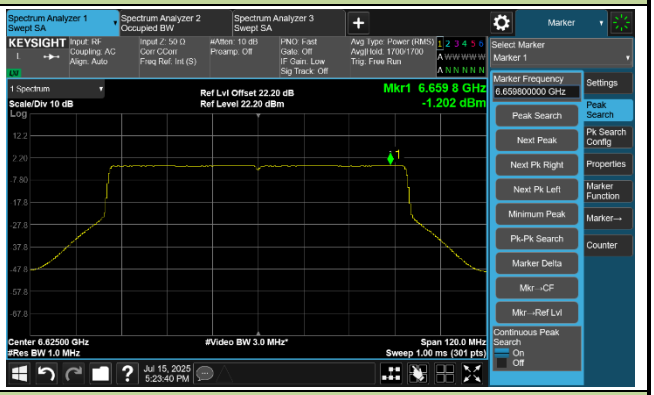
Channel 55 (6225 MHz)



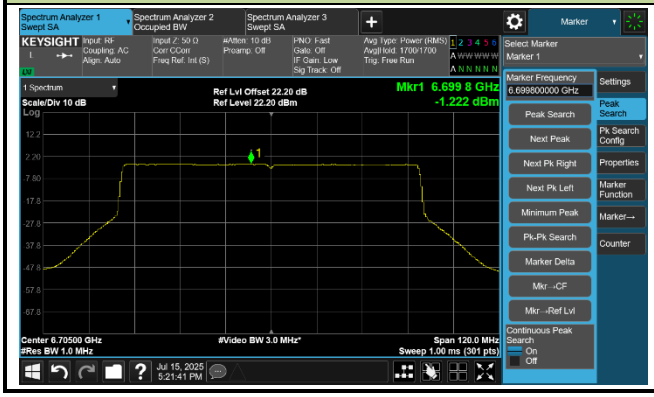
Channel 87 (6385 MHz)



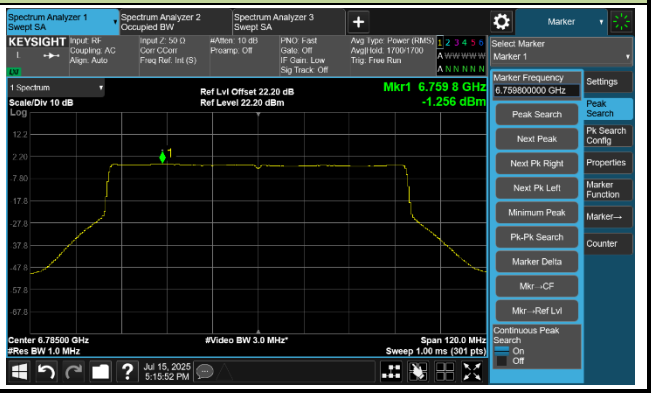
Channel 135 (6625 MHz)



Channel 151 (6705 MHz)

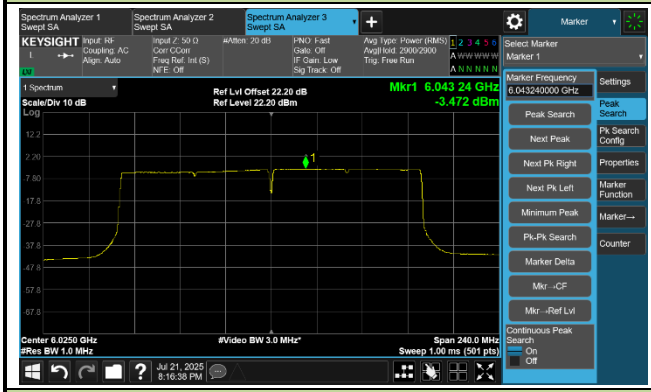


Channel 167 (6785 MHz)

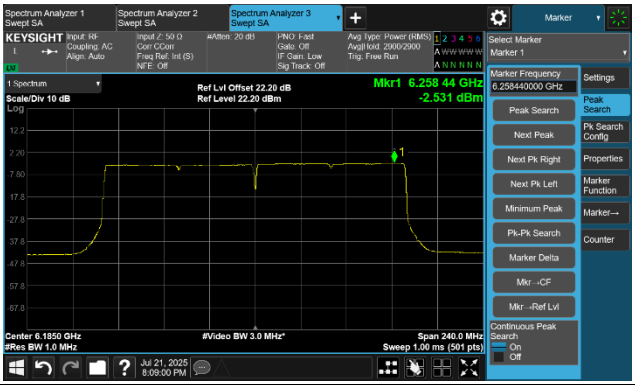


802.11be-EHT160 Power Spectral Density- Ant 0

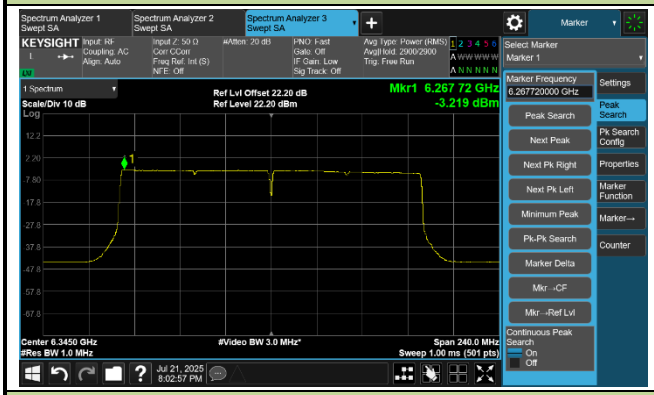
Channel 15 (6025 MHz)



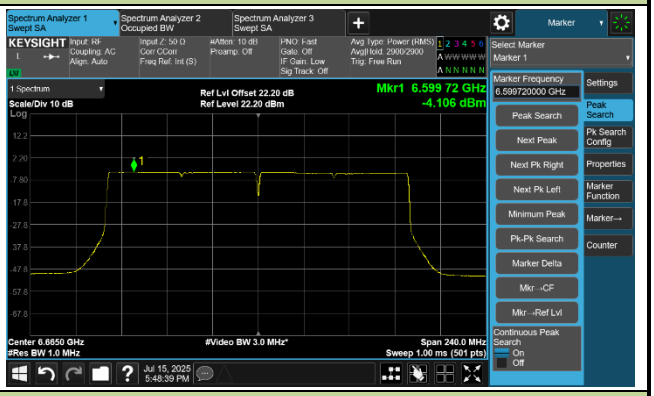
Channel 47 (6185 MHz)



Channel 79 (6345 MHz)

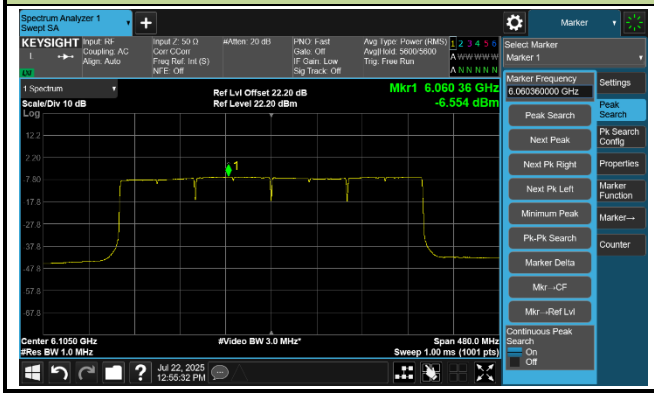


Channel 143 (6665 MHz)

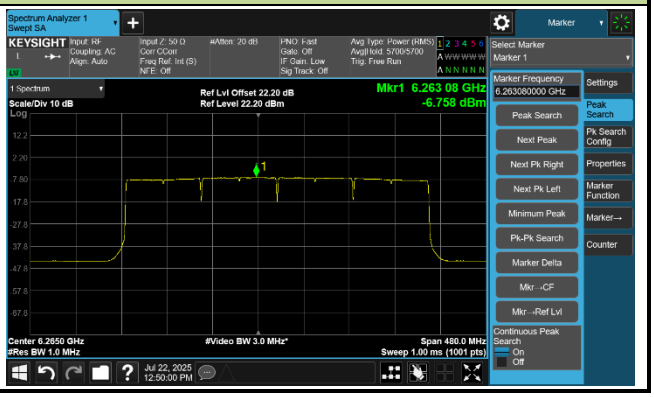


802.11be-EHT320 Power Spectral Density- Ant 0

Channel 31 (6105 MHz)

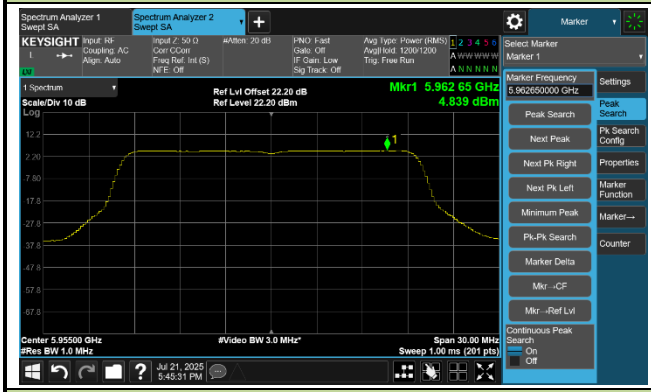


Channel 63 (6265 MHz)

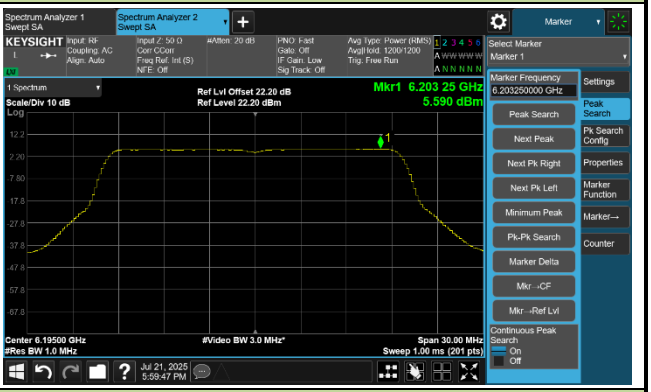


802.11ax-HE20 Power Spectral Density- Ant 1

Channel 1 (5955 MHz)

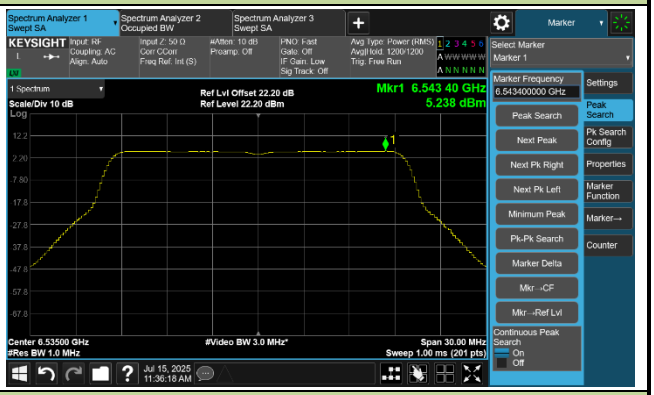


Channel 49 (6195 MHz)

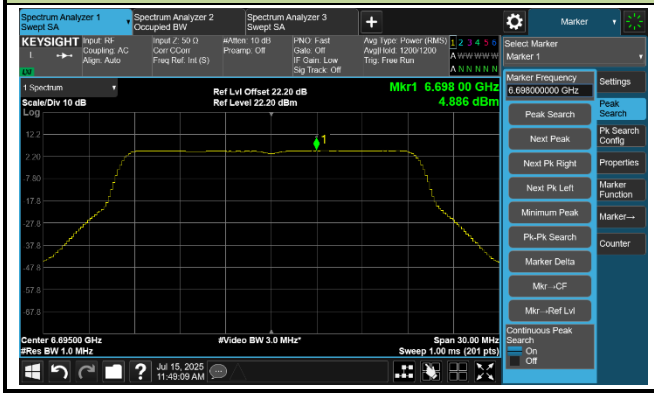


Channel 93 (6415 MHz)

Channel 117 (6535 MHz)



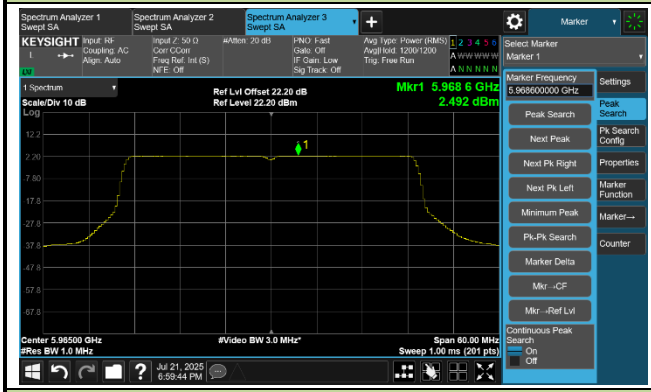
Channel 149 (6695 MHz)



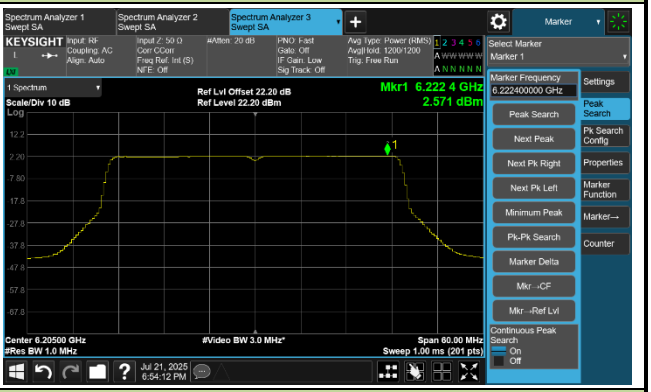
Channel 181 (6855 MHz)

802.11ax-HE40 Power Spectral Density- Ant 1

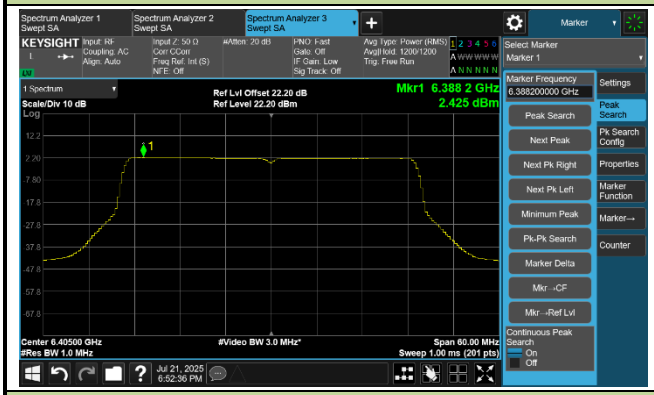
Channel 3 (5965 MHz)



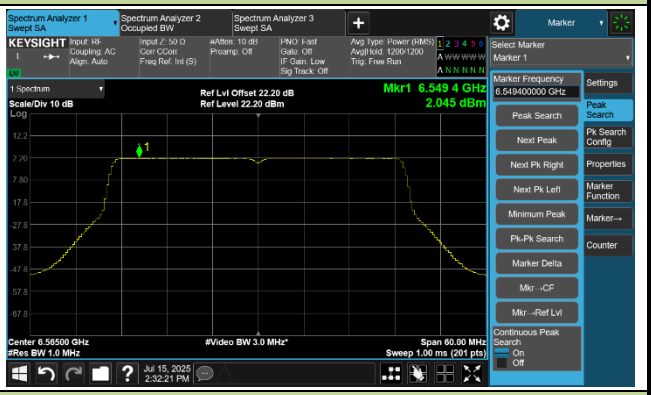
Channel 51 (6205 MHz)



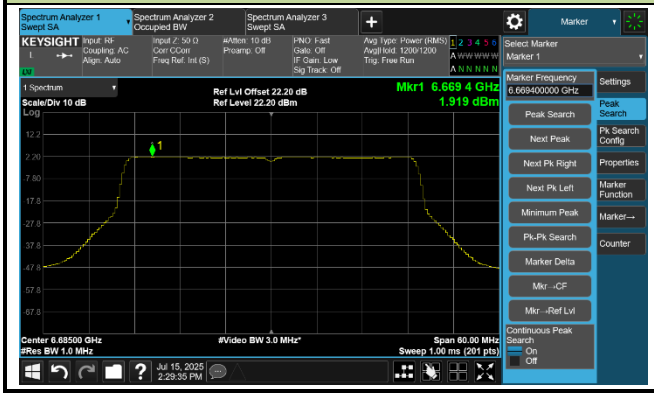
Channel 91 (6405 MHz)



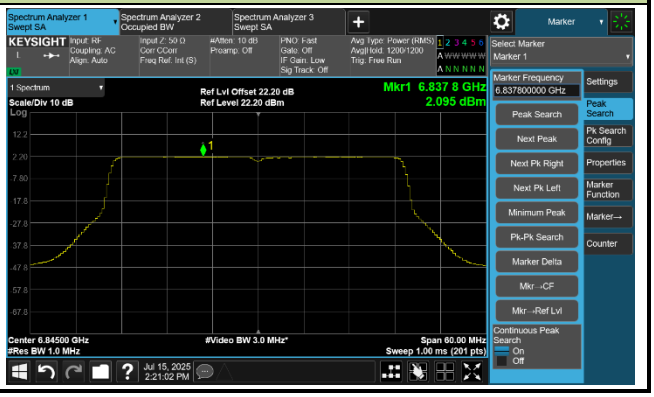
Channel 123 (6565 MHz)



Channel 147 (6685 MHz)

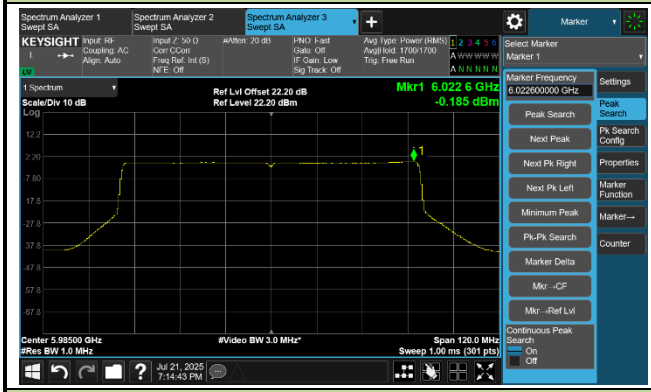


Channel 179 (6845 MHz)

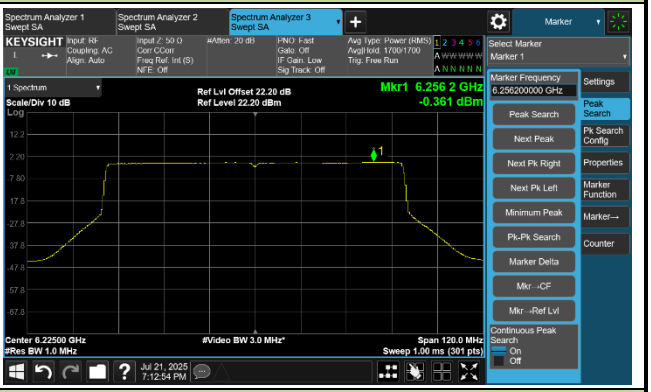


802.11ax-HE80 Power Spectral Density- Ant 1

Channel 7 (5985 MHz)



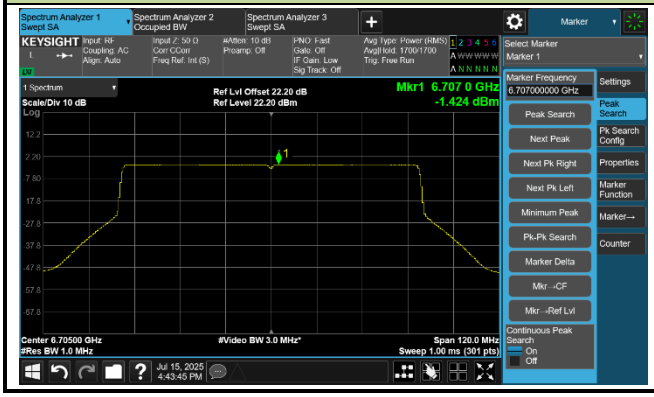
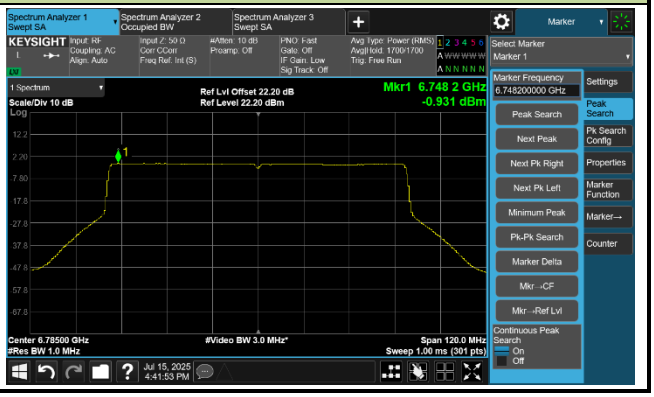
Channel 55 (6225 MHz)



Channel 87 (6385 MHz)

Channel 135 (6625 MHz)

Channel 151 (6705 MHz)



Channel 167 (6785 MHz)