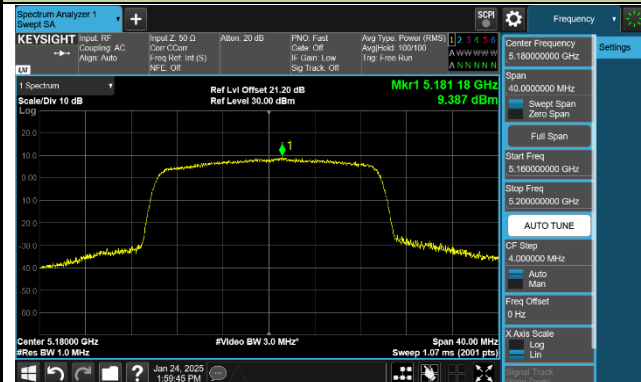
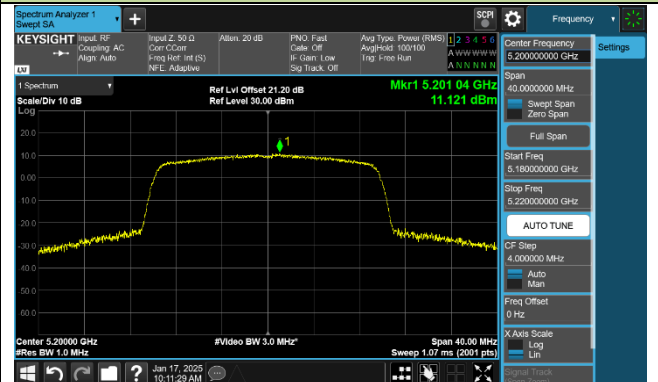


802.11be-EHT20 Power Spectral Density - Ant 2

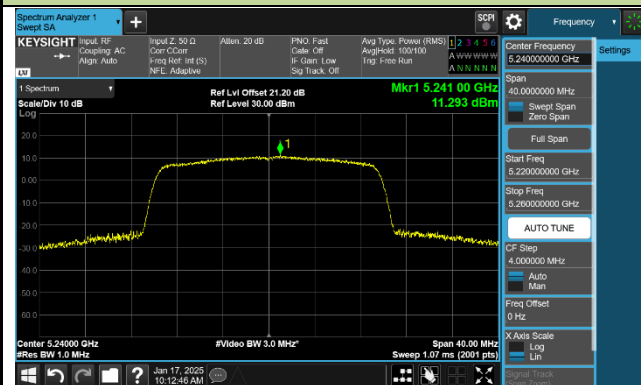
Channel 36 (5180MHz)



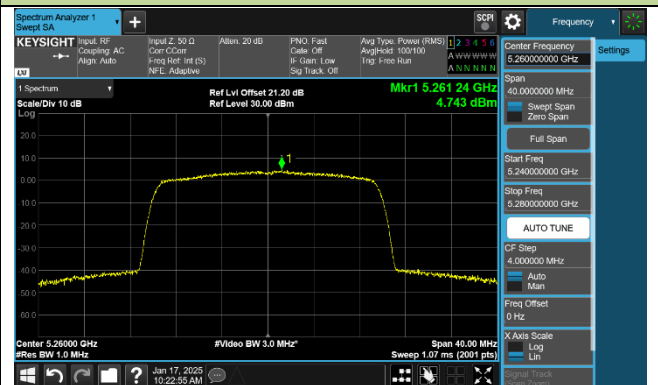
Channel 40 (5200MHz)



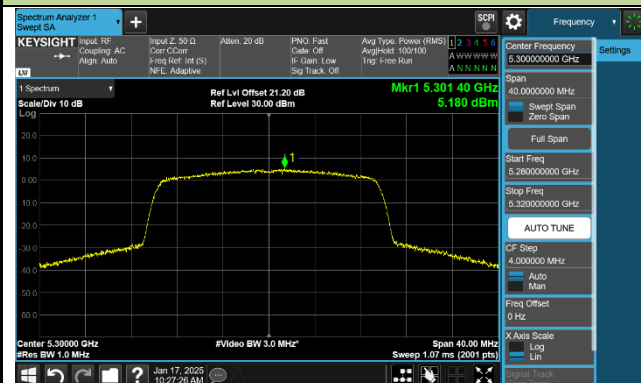
Channel 48 (5240MHz)



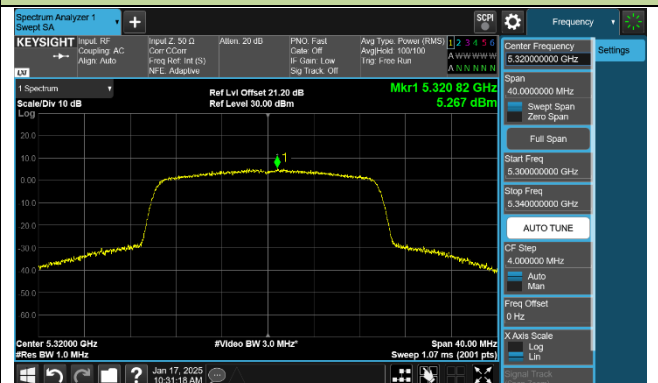
Channel 52 (5260MHz)



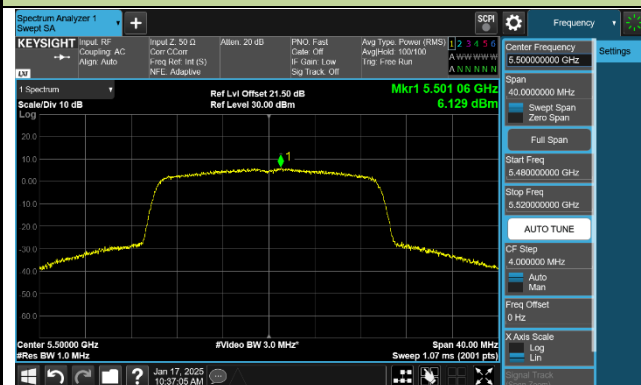
Channel 60 (5300MHz)



Channel 64 (5320MHz)

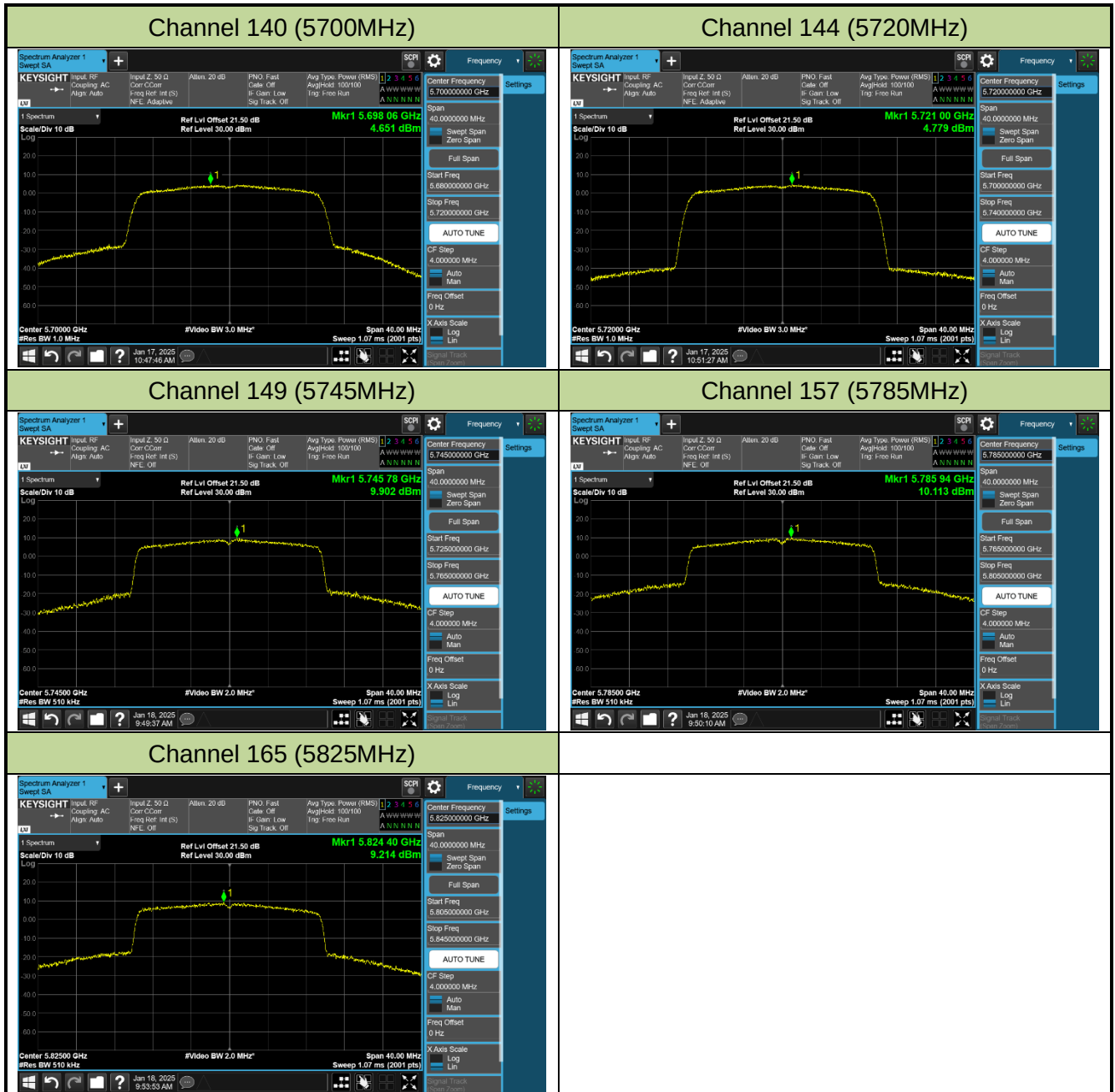


Channel 100 (5500MHz)



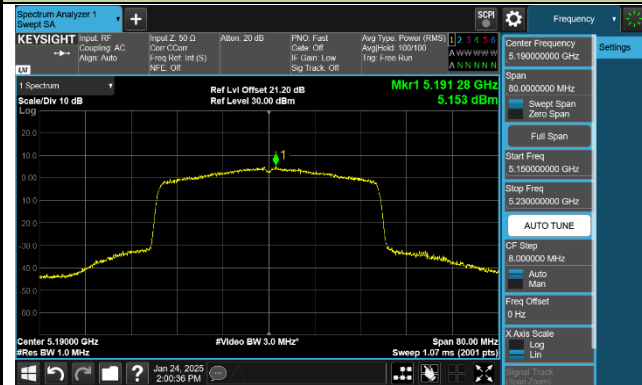
Channel 116 (5580MHz)



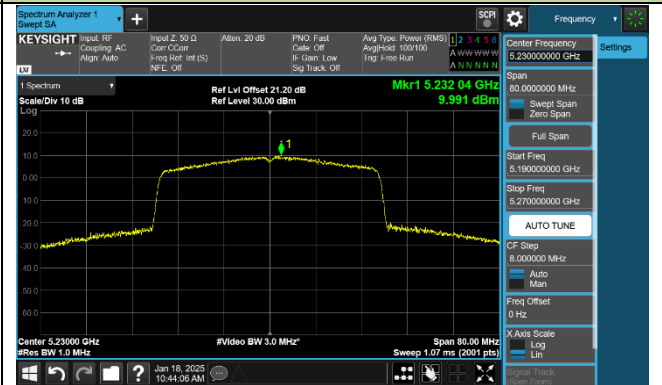


802.11be-EHT40 Power Spectral Density - Ant 2

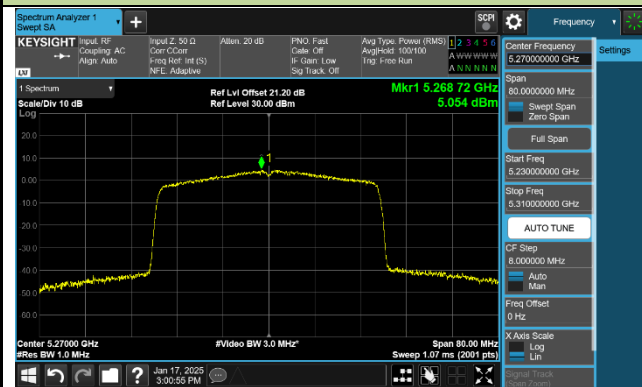
Channel 38 (5190MHz)



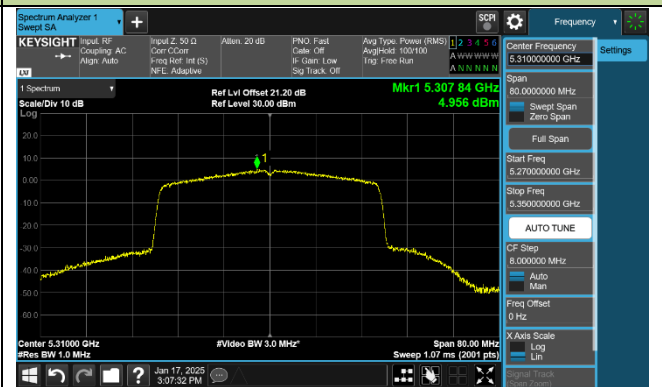
Channel 46 (5230MHz)



Channel 54 (5270MHz)



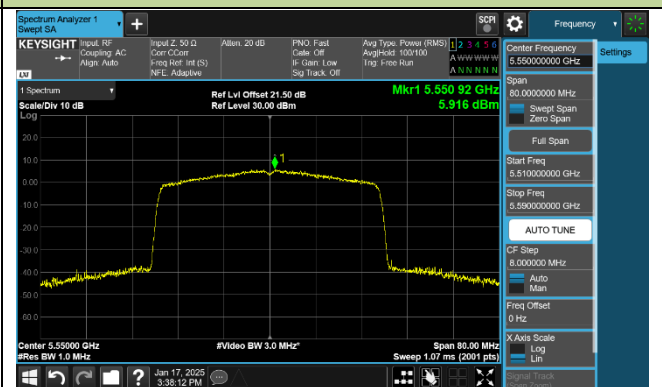
Channel 62 (5310MHz)



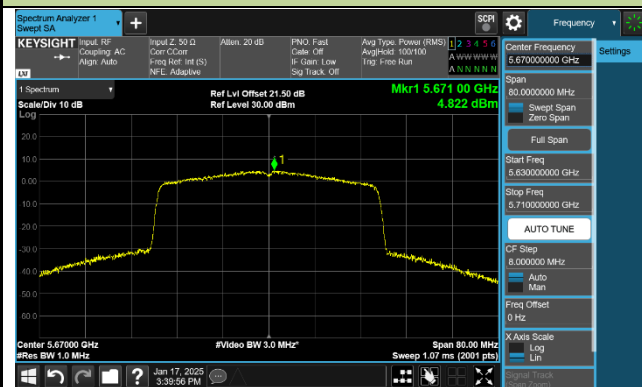
Channel 102 (5510MHz)



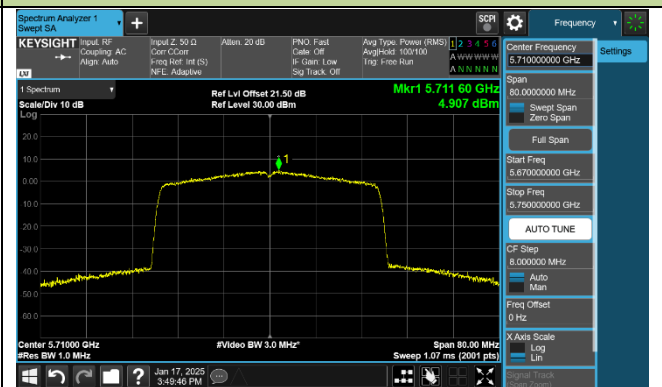
Channel 110 (5550MHz)

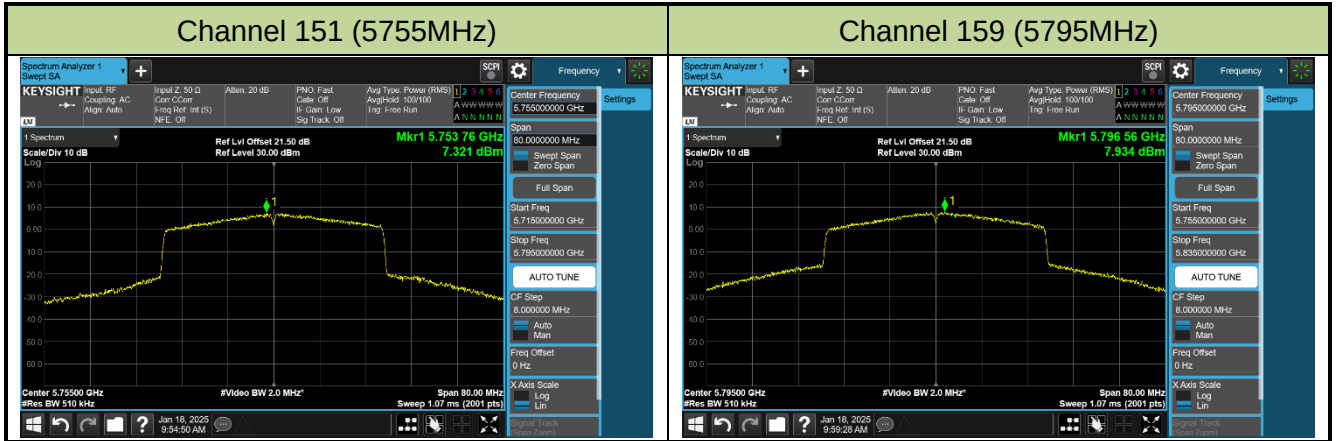


Channel 134 (5670MHz)



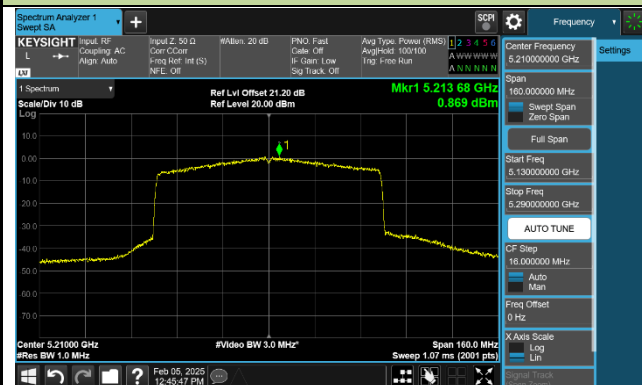
Channel 142 (5710MHz)



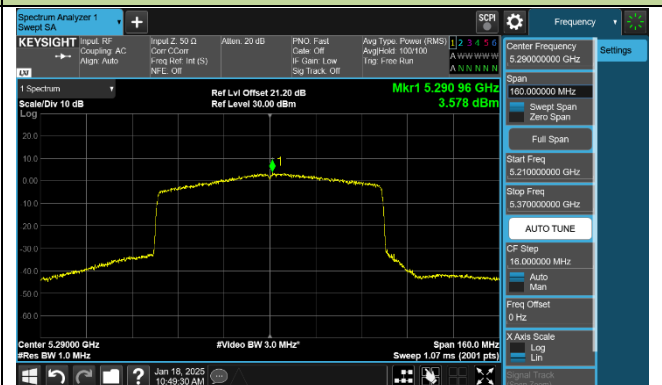


802.11be-EHT80 Power Spectral Density - Ant 2

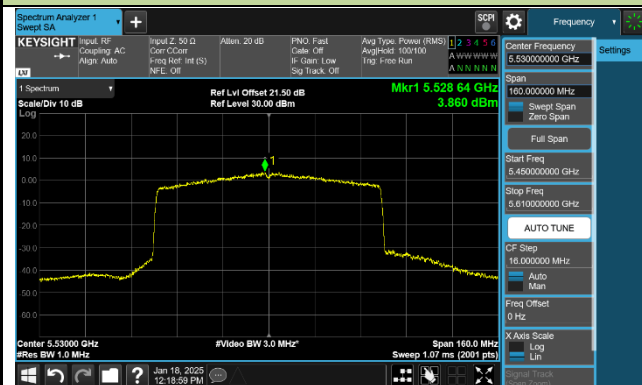
Channel 42 (5210MHz)



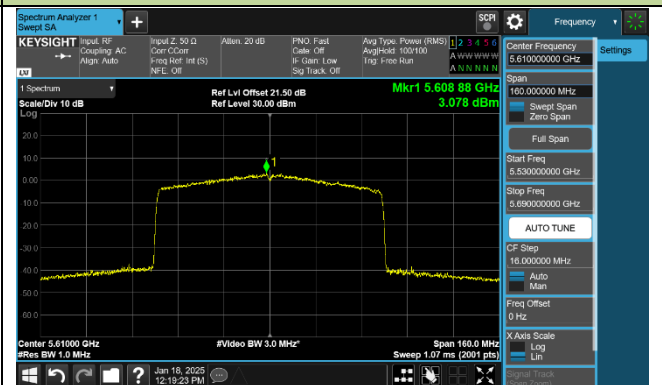
Channel 58 (5290MHz)



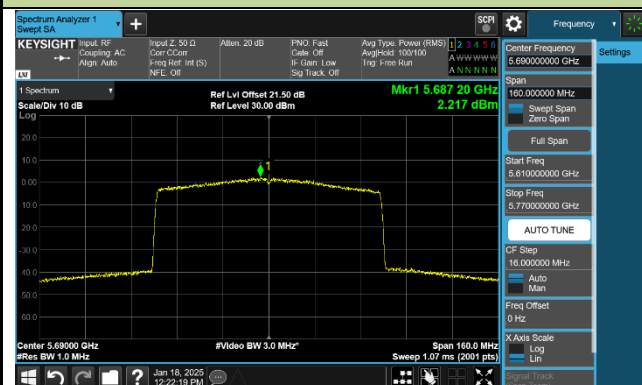
Channel 106 (5530MHz)



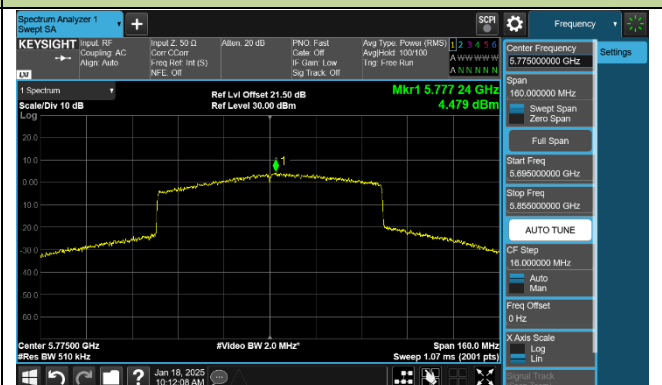
Channel 122 (5610MHz)



Channel 138 (5690MHz)

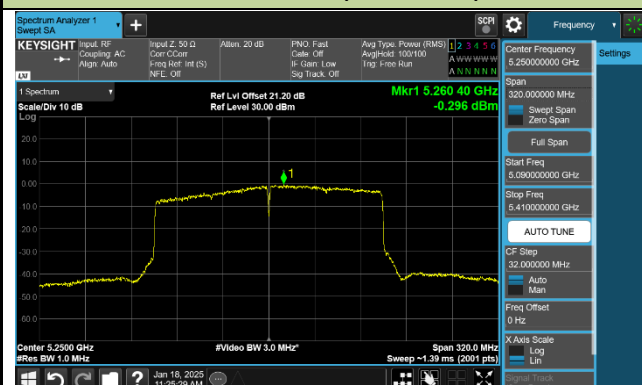


Channel 155 (5775MHz)

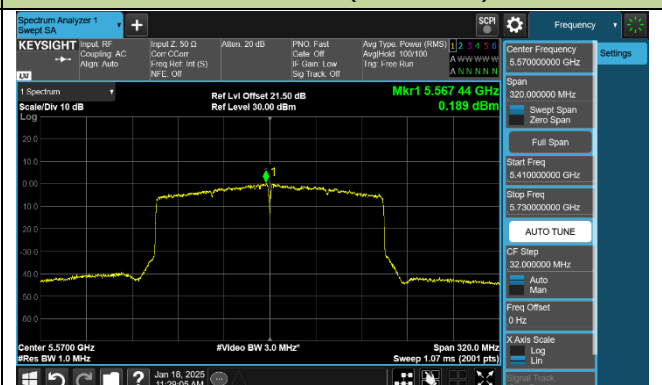


802.11be-EHT160 Power Spectral Density - Ant 2

Channel 50 (5250MHz)



Channel 114 (5570MHz)



Product	BE14000 Whole Home Mesh Wi-Fi 7 System	Test Engineer	Marvin
Test Site	SR6	Test Date	2025/2/5~2025/2/8
Mode	Power Spectral Density (U-NII- 1/-2a / -2c) CDD Mode (Ant0+Ant1+Ant3)		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	11.319	10.289	10.061	97.96%	15.452	≤ 16.45	Pass
11a	6Mbps	40	5200	12.008	11.479	10.746	97.96%	16.302	≤ 16.45	Pass
11a	6Mbps	48	5240	11.338	11.766	11.503	97.96%	16.400	≤ 16.45	Pass
11a	6Mbps	52	5260	5.136	6.040	6.173	97.96%	10.668	≤ 11.00	Pass
11a	6Mbps	60	5300	5.254	6.546	6.232	97.96%	10.906	≤ 11.00	Pass
11a	6Mbps	64	5320	4.704	6.279	5.802	97.96%	10.505	≤ 11.00	Pass
11a	6Mbps	100	5500	5.319	5.478	6.175	97.96%	10.534	≤ 11.00	Pass
11a	6Mbps	116	5580	6.475	6.019	5.185	97.96%	10.786	≤ 11.00	Pass
11a	6Mbps	140	5700	5.772	6.201	5.967	97.96%	10.844	≤ 11.00	Pass
11a	6Mbps	144	5720	5.168	6.414	5.971	97.96%	10.742	≤ 11.00	Pass
11ac-VHT20	MCS0	36	5180	11.008	10.019	9.721	98.67%	15.114	≤ 16.45	Pass
11ac-VHT20	MCS0	40	5200	11.626	11.576	10.939	98.67%	16.221	≤ 16.45	Pass
11ac-VHT20	MCS0	48	5240	10.860	11.602	11.542	98.67%	16.177	≤ 16.45	Pass
11ac-VHT20	MCS0	52	5260	5.210	6.352	6.435	98.67%	10.863	≤ 11.00	Pass
11ac-VHT20	MCS0	60	5300	4.775	6.267	6.324	98.67%	10.675	≤ 11.00	Pass
11ac-VHT20	MCS0	64	5320	5.101	6.516	6.274	98.67%	10.836	≤ 11.00	Pass
11ac-VHT20	MCS0	100	5500	4.738	6.078	6.680	98.67%	10.735	≤ 11.00	Pass
11ac-VHT20	MCS0	116	5580	6.486	6.410	5.378	98.67%	10.949	≤ 11.00	Pass
11ac-VHT20	MCS0	140	5700	5.275	6.540	6.428	98.67%	10.947	≤ 11.00	Pass
11ac-VHT20	MCS0	144	5720	4.671	6.572	5.601	98.67%	10.513	≤ 11.00	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT40	MCS0	38	5190	5.835	5.100	4.439	96.28%	10.098	≤ 16.45	Pass
11ac-VHT40	MCS0	46	5230	10.702	11.275	10.677	96.28%	15.829	≤ 16.45	Pass
11ac-VHT40	MCS0	54	5270	4.612	6.037	6.606	96.28%	10.766	≤ 11.00	Pass
11ac-VHT40	MCS0	62	5310	4.535	6.135	6.388	96.28%	10.696	≤ 11.00	Pass
11ac-VHT40	MCS0	102	5510	6.813	5.946	4.992	96.28%	10.916	≤ 11.00	Pass
11ac-VHT40	MCS0	110	5550	4.871	6.254	6.348	96.28%	10.811	≤ 11.00	Pass
11ac-VHT40	MCS0	134	5670	5.001	6.531	5.241	96.28%	10.580	≤ 11.00	Pass
11ac-VHT40	MCS0	142	5710	5.555	6.240	6.267	96.28%	10.969	≤ 11.00	Pass
11ac-VHT80	MCS0	42	5210	2.053	3.125	1.487	94.91%	7.274	≤ 16.45	Pass
11ac-VHT80	MCS0	58	5290	2.334	1.524	2.641	94.91%	7.189	≤ 11.00	Pass
11ac-VHT80	MCS0	106	5530	1.088	2.437	3.167	94.91%	7.312	≤ 11.00	Pass
11ac-VHT80	MCS0	122	5610	5.194	2.179	1.420	94.91%	8.251	≤ 11.00	Pass
11ac-VHT80	MCS0	138	5690	1.822	3.912	2.917	94.91%	7.965	≤ 11.00	Pass
11ac-VHT160	MCS0	50	5250	-2.130	-1.342	-0.626	92.48%	3.788	≤ 11.00	Pass
11ac-VHT160	MCS0	114	5570	-0.943	0.986	1.375	92.48%	5.695	≤ 11.00	Pass
11ax-HE20	MCS0	36	5180	10.414	9.155	8.946	98.50%	14.392	≤ 16.45	Pass
11ax-HE20	MCS0	40	5200	11.163	12.088	10.988	98.50%	16.277	≤ 16.45	Pass
11ax-HE20	MCS0	48	5240	11.372	11.432	11.570	98.50%	16.296	≤ 16.45	Pass
11ax-HE20	MCS0	52	5260	4.902	5.830	6.125	98.50%	10.486	≤ 11.00	Pass
11ax-HE20	MCS0	60	5300	4.873	6.355	6.134	98.50%	10.672	≤ 11.00	Pass
11ax-HE20	MCS0	64	5320	4.461	6.609	5.713	98.50%	10.519	≤ 11.00	Pass
11ax-HE20	MCS0	100	5500	4.988	6.079	6.678	98.50%	10.807	≤ 11.00	Pass
11ax-HE20	MCS0	116	5580	6.257	6.124	4.488	98.50%	10.531	≤ 11.00	Pass
11ax-HE20	MCS0	140	5700	4.722	6.447	5.730	98.50%	10.527	≤ 11.00	Pass
11ax-HE20	MCS0	144	5720	4.691	6.960	6.283	98.50%	10.915	≤ 11.00	Pass

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ax-HE40	MCS0	38	5190	5.680	4.588	4.382	96.14%	9.864	≤ 16.45	Pass
11ax-HE40	MCS0	46	5230	10.963	10.906	10.840	96.14%	15.846	≤ 16.45	Pass
11ax-HE40	MCS0	54	5270	4.766	6.215	6.129	96.14%	10.694	≤ 11.00	Pass
11ax-HE40	MCS0	62	5310	4.920	6.551	6.157	96.14%	10.872	≤ 11.00	Pass
11ax-HE40	MCS0	102	5510	4.898	5.849	6.864	96.14%	10.887	≤ 11.00	Pass
11ax-HE40	MCS0	110	5550	5.302	6.423	6.333	96.14%	10.991	≤ 11.00	Pass
11ax-HE40	MCS0	134	5670	5.219	6.430	5.935	96.14%	10.832	≤ 11.00	Pass
11ax-HE40	MCS0	142	5710	4.904	5.787	6.163	96.14%	10.592	≤ 11.00	Pass
11ax-HE80	MCS0	42	5210	1.689	3.819	2.370	93.97%	7.760	≤ 16.45	Pass
11ax-HE80	MCS0	58	5290	1.167	1.177	1.943	93.97%	6.486	≤ 11.00	Pass
11ax-HE80	MCS0	106	5530	2.307	3.742	3.551	93.97%	8.286	≤ 11.00	Pass
11ax-HE80	MCS0	122	5610	5.261	2.086	1.934	93.97%	8.423	≤ 11.00	Pass
11ax-HE80	MCS0	122	5690	2.850	4.484	3.249	93.97%	8.626	≤ 11.00	Pass
11ax-HE160	MCS0	50	5250	-2.169	-1.674	-1.196	90.91%	3.524	≤ 11.00	Pass
11ax-HE160	MCS0	114	5570	-0.044	-0.945	0.913	90.91%	5.226	≤ 11.00	Pass
11be-EHT20	MCS0	36	5180	9.633	8.755	8.549	98.01%	13.863	≤ 16.45	Pass
11be-EHT20	MCS0	40	5200	11.350	11.725	10.724	98.01%	16.144	≤ 16.45	Pass
11be-EHT20	MCS0	48	5240	11.235	11.436	11.481	98.01%	16.244	≤ 16.45	Pass
11be-EHT20	MCS0	52	5260	5.340	6.310	6.523	98.01%	10.946	≤ 11.00	Pass
11be-EHT20	MCS0	60	5300	4.459	6.364	5.888	98.01%	10.502	≤ 11.00	Pass
11be-EHT20	MCS0	64	5320	4.632	6.360	5.869	98.01%	10.538	≤ 11.00	Pass
11be-EHT20	MCS0	100	5500	4.767	5.642	6.800	98.01%	10.675	≤ 11.00	Pass
11be-EHT20	MCS0	116	5580	6.961	6.000	4.899	98.01%	10.893	≤ 11.00	Pass
11be-EHT20	MCS0	140	5700	5.202	6.913	6.077	98.01%	10.978	≤ 11.00	Pass
11be-EHT20	MCS0	144	5720	5.010	6.731	6.433	98.01%	10.979	≤ 11.00	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11be-EHT40	MCS0	38	5190	6.159	5.539	5.232	96.66%	10.579	≤ 16.45	Pass
11be-EHT40	MCS0	46	5230	10.805	10.837	10.911	96.66%	15.770	≤ 16.45	Pass
11be-EHT40	MCS0	54	5270	4.802	6.110	6.015	96.66%	10.600	≤ 11.00	Pass
11be-EHT40	MCS0	62	5310	4.865	6.342	6.056	96.66%	10.719	≤ 11.00	Pass
11be-EHT40	MCS0	102	5510	4.917	5.463	7.118	96.66%	10.855	≤ 11.00	Pass
11be-EHT40	MCS0	110	5550	5.334	5.973	6.625	96.66%	10.928	≤ 11.00	Pass
11be-EHT40	MCS0	134	5670	5.382	6.781	5.028	96.66%	10.717	≤ 11.00	Pass
11be-EHT40	MCS0	142	5710	5.373	6.267	6.160	96.66%	10.870	≤ 11.00	Pass
11be-EHT80	MCS0	42	5210	2.928	4.216	2.371	93.93%	8.285	≤ 16.45	Pass
11be-EHT80	MCS0	58	5290	1.400	1.939	2.118	93.93%	6.873	≤ 11.00	Pass
11be-EHT80	MCS0	106	5530	1.960	3.646	3.633	93.93%	8.191	≤ 11.00	Pass
11be-EHT80	MCS0	122	5610	5.301	2.372	1.480	93.93%	8.416	≤ 11.00	Pass
11be-EHT80	MCS0	138	5690	2.150	4.406	3.279	93.93%	8.418	≤ 11.00	Pass
11be-EHT160	MCS0	50	5250	-0.040	-1.202	-1.759	90.85%	4.248	≤ 11.00	Pass
11be-EHT160	MCS0	114	5570	0.046	-0.759	-0.847	90.85%	4.687	≤ 11.00	Pass

Note 1: Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\} + 10 \cdot \log (1/\text{Duty Cycle})(\text{dBm/MHz})$.

Note 2:

For 5150 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (6.55 - 6) = 16.45dBm/MHz.

For 5250 - 5350MHz and 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11dBm/MHz.

Product	BE14000 Whole Home Mesh Wi-Fi 7 System	Test Engineer	Marvin
Test Site	SR6	Test Date	2025/2/5~2025/2/8
Test Item	Power Spectral Density (U-NII-3) CDD Mode (Ant0+Ant1+Ant3)		

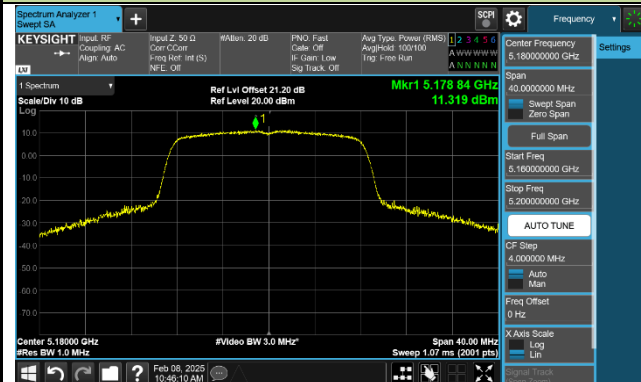
Test Mode	Data Rate/MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/510KHz)	Ant 1 PSD (dBm/510KHz)	Ant 3 PSD (dBm/510KHz)	Duty Cycle (%)	Total PSD(dBm/510kHz)	Limit (dBm/500kHz)	Result
11a	6Mbps	149	5745	10.541	10.067	9.641	97.96%	14.959	≤ 30.00	Pass
11a	6Mbps	157	5785	10.594	9.930	10.097	97.96%	15.077	≤ 30.00	Pass
11a	6Mbps	165	5825	10.638	11.001	9.795	97.96%	15.368	≤ 30.00	Pass
11ac-VHT20	MCS0	149	5745	10.536	9.989	10.160	98.67%	15.064	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	11.128	9.490	10.014	98.67%	15.095	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	10.673	11.114	9.344	98.67%	15.270	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	8.141	7.568	7.785	96.28%	12.774	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	8.548	6.562	7.073	96.28%	12.414	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	3.255	2.555	2.432	94.91%	7.761	≤ 30.00	Pass
11ax-HE20	MCS0	149	5745	10.039	10.075	9.867	98.50%	14.832	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	10.779	9.598	10.162	98.50%	15.043	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	10.600	10.727	9.411	98.50%	15.122	≤ 30.00	Pass
11ax-HE40	MCS0	151	5755	8.106	7.539	7.140	96.14%	12.555	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	8.556	6.765	7.188	96.14%	12.514	≤ 30.00	Pass
11ax-HE80	MCS0	155	5775	3.442	2.861	3.017	93.97%	8.155	≤ 30.00	Pass
11be-EHT20	MCS0	149	5745	10.342	10.210	9.952	98.01%	15.030	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	10.635	9.849	10.463	98.01%	15.187	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	9.896	10.219	8.733	98.01%	14.520	≤ 30.00	Pass
11be-EHT40	MCS0	151	5755	7.745	8.007	7.614	96.66%	12.710	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	8.138	6.768	7.744	96.66%	12.506	≤ 30.00	Pass
11be-EHT80	MCS0	155	5775	4.163	3.335	3.423	93.93%	8.699	≤ 30.00	Pass

Note 1: The total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/510kHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

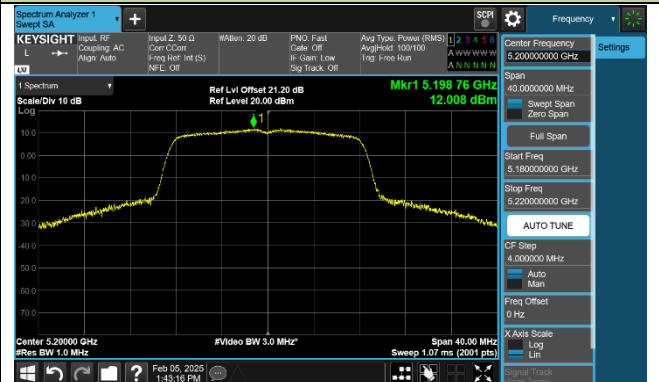
Note 2: PSD Limit (dBm/500kHz) = 30(dBm/500kHz).

802.11a Power Spectral Density - Ant 0

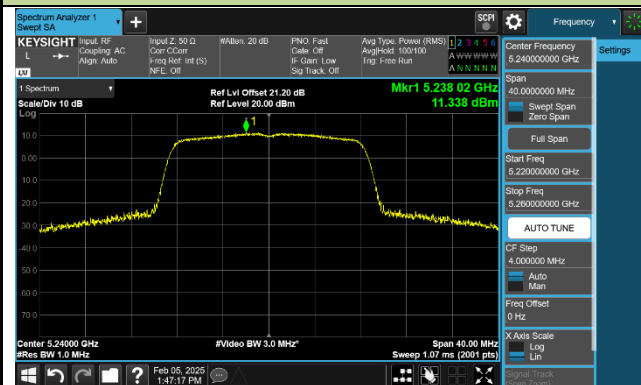
Channel 36 (5180MHz)



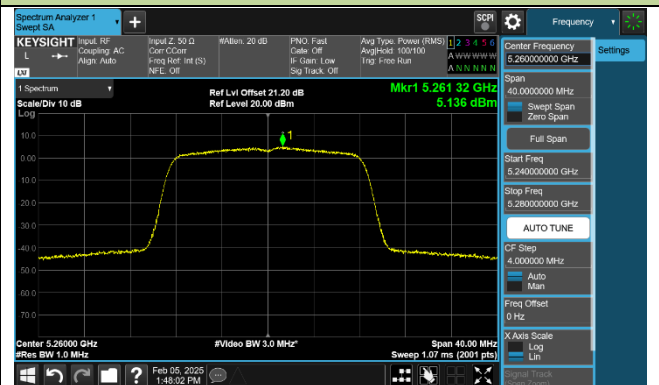
Channel 40 (5200MHz)



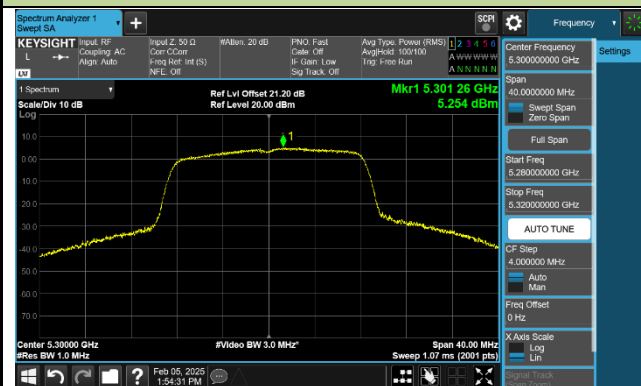
Channel 48 (5240MHz)



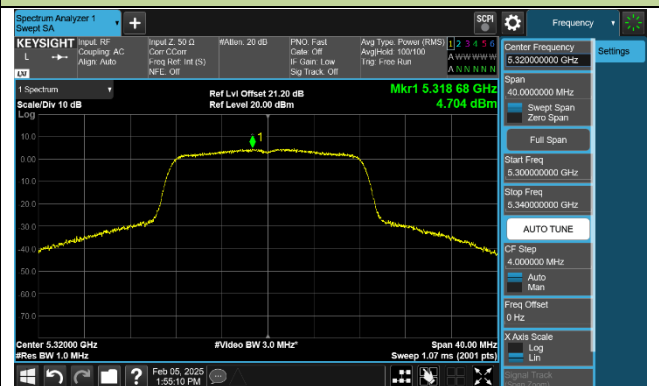
Channel 52 (5260MHz)



Channel 60 (5300MHz)



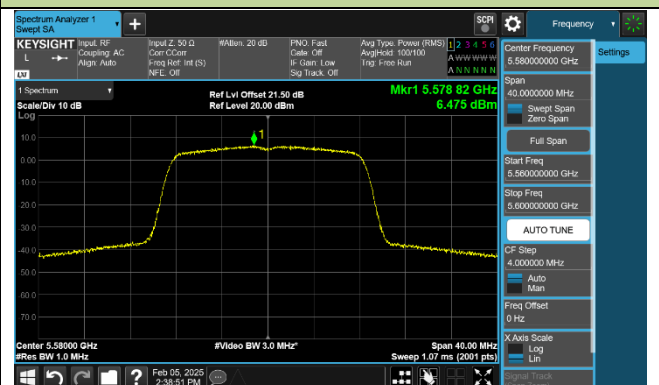
Channel 64 (5320MHz)

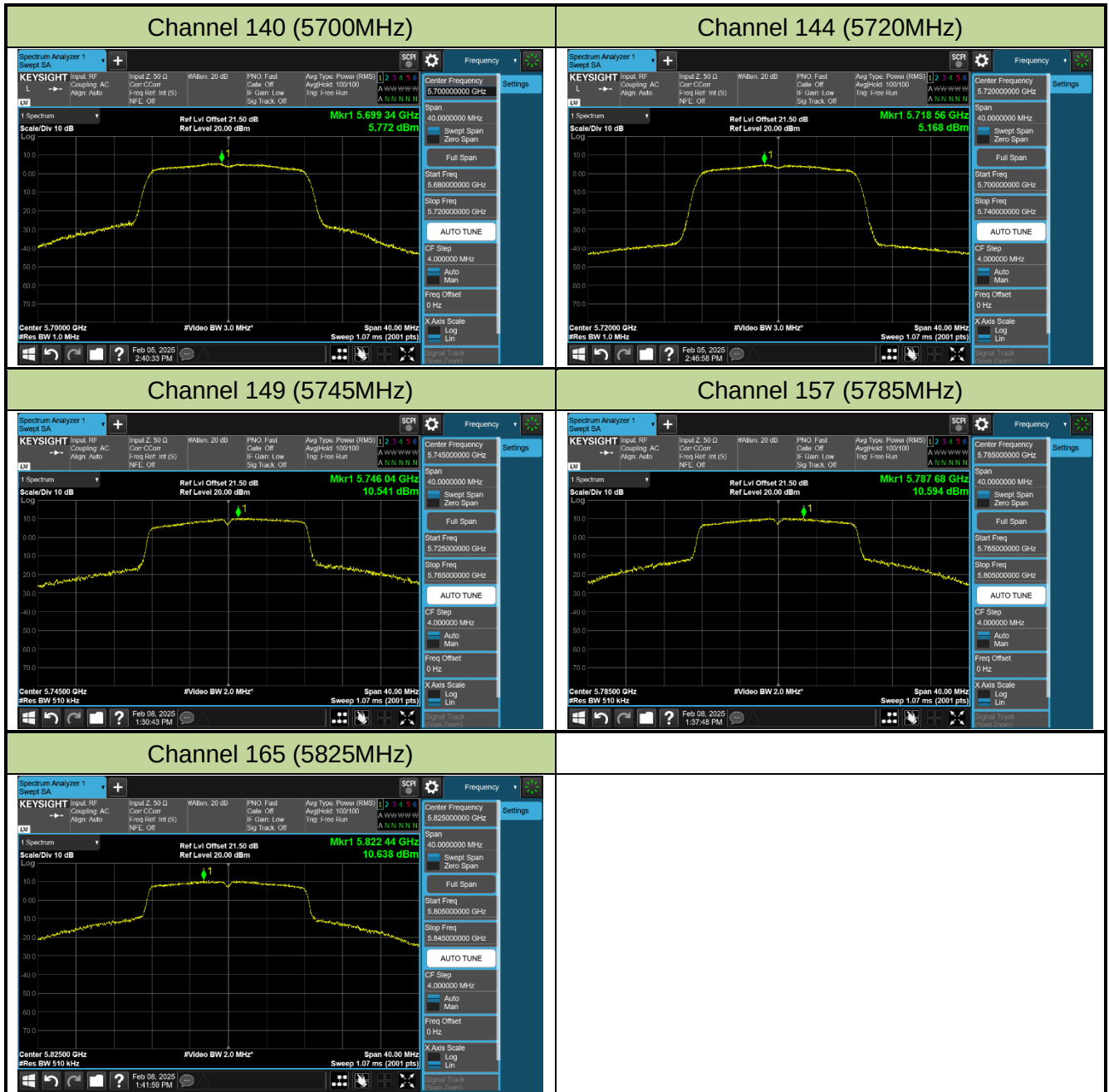


Channel 100 (5500MHz)



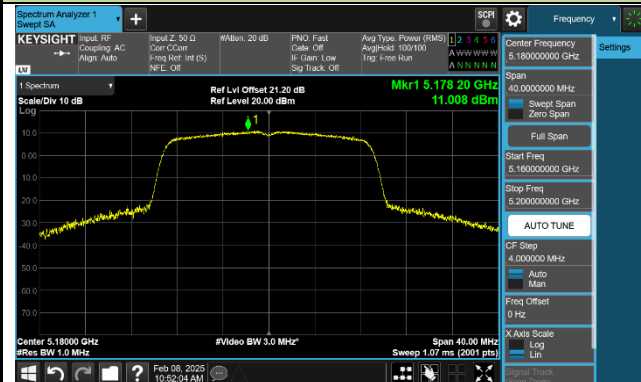
Channel 116 (5580MHz)



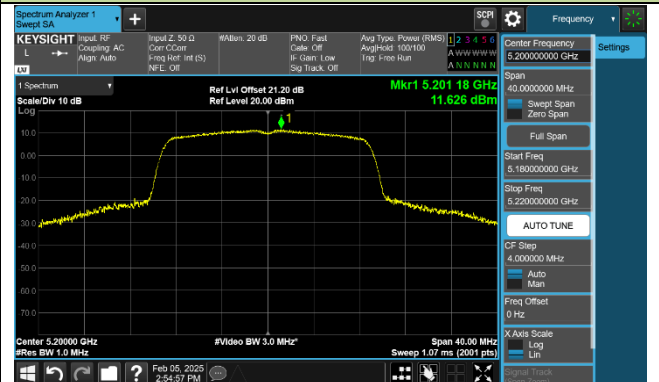


802.11ac-VHT20 Power Spectral Density - Ant 0

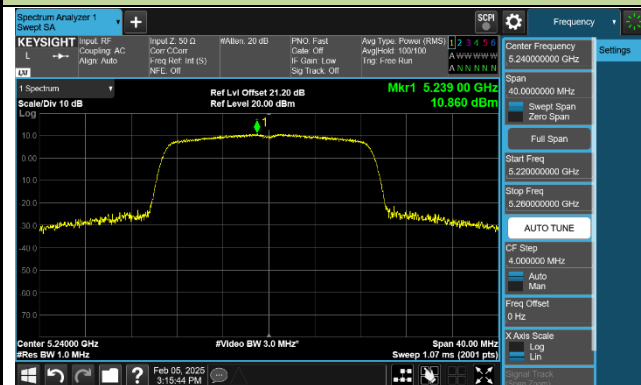
Channel 36 (5180MHz)



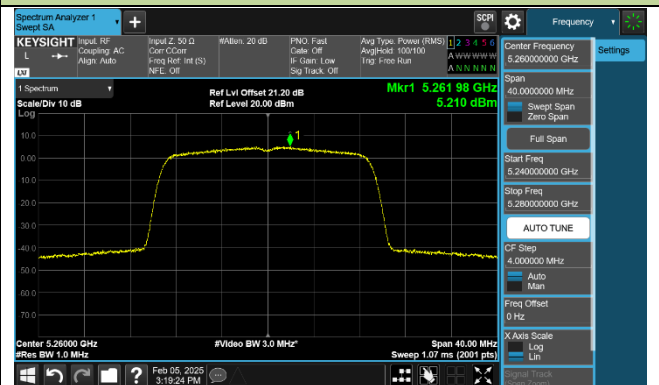
Channel 40 (5200MHz)



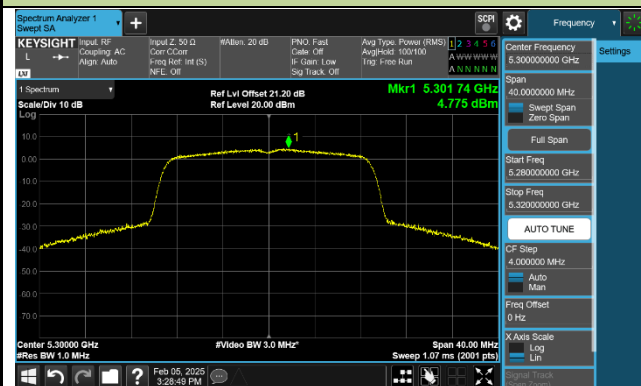
Channel 48 (5240MHz)



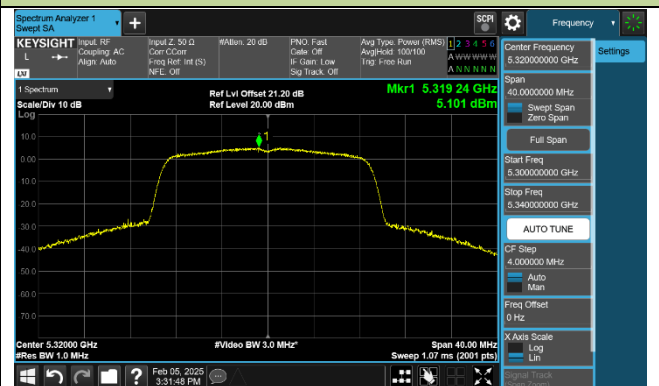
Channel 52 (5260MHz)



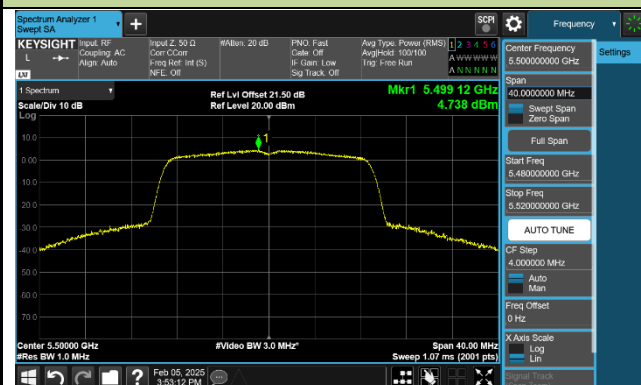
Channel 60 (5300MHz)



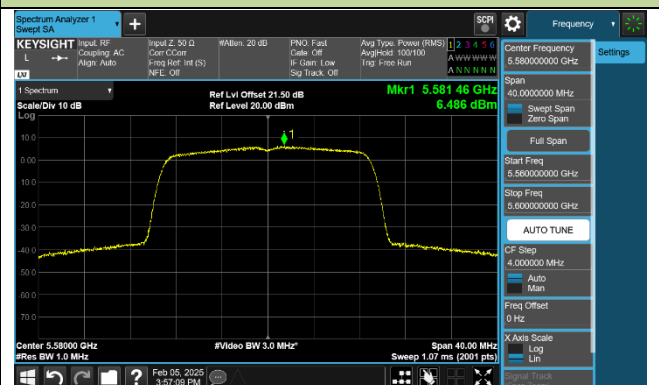
Channel 64 (5320MHz)

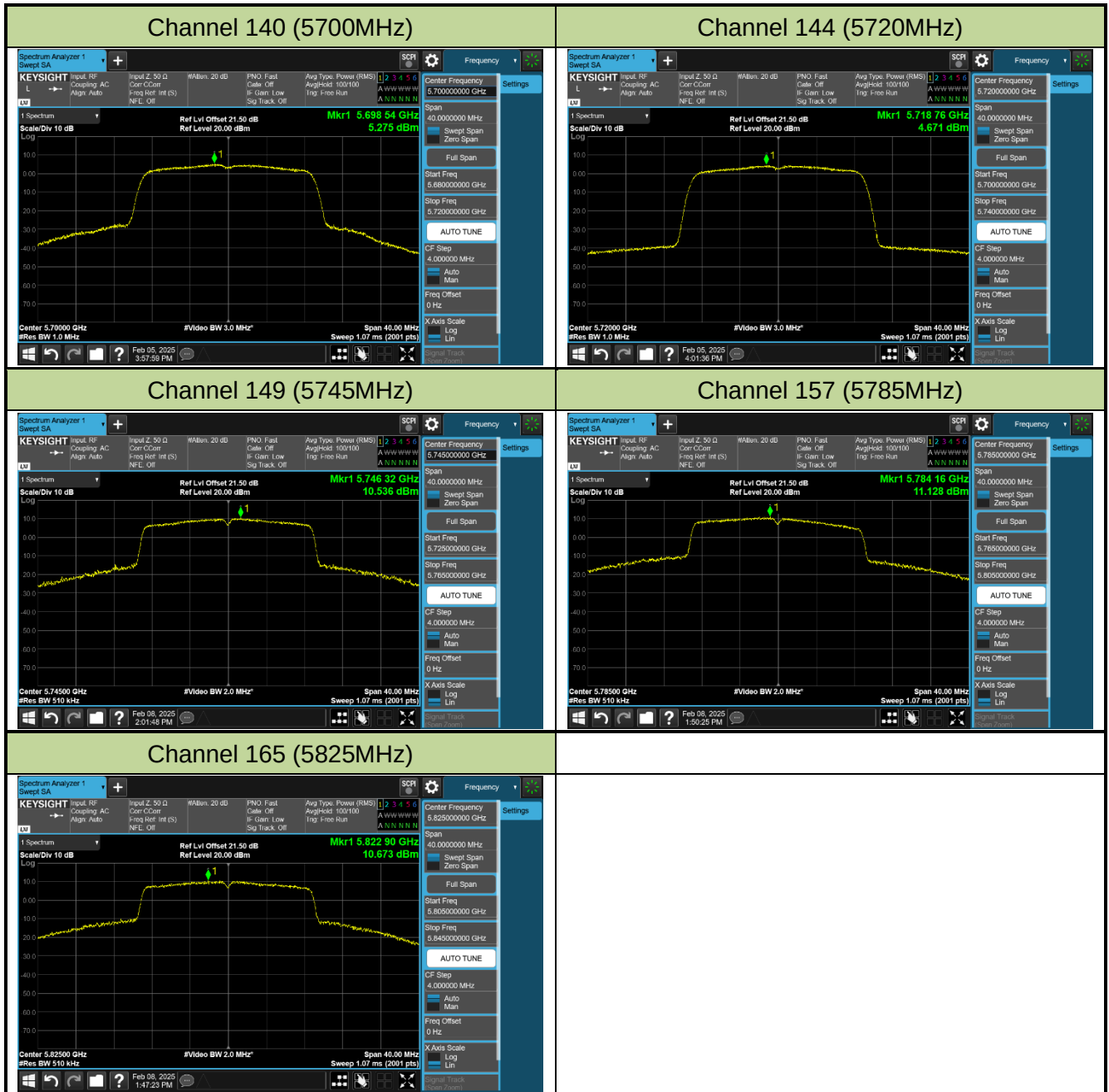


Channel 100 (5500MHz)



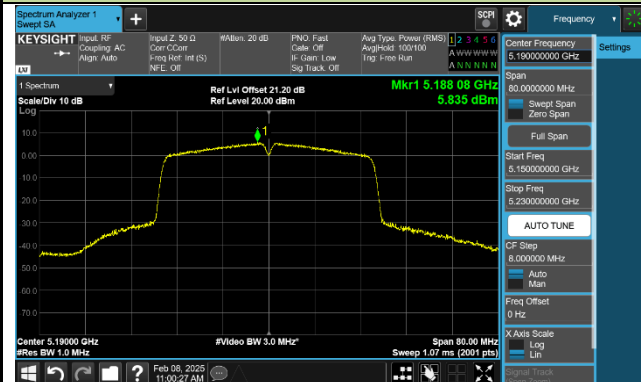
Channel 116 (5580MHz)



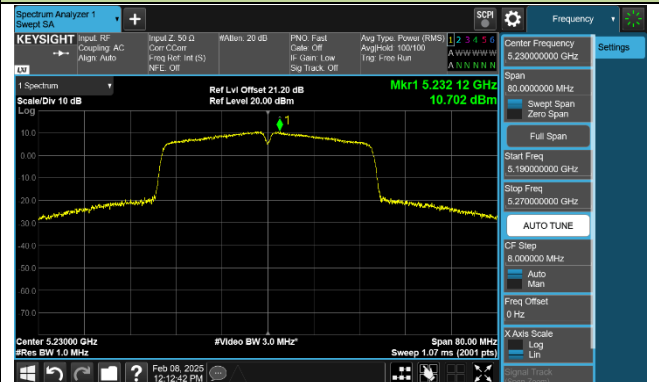


802.11ac-VHT40 Power Spectral Density - Ant 0

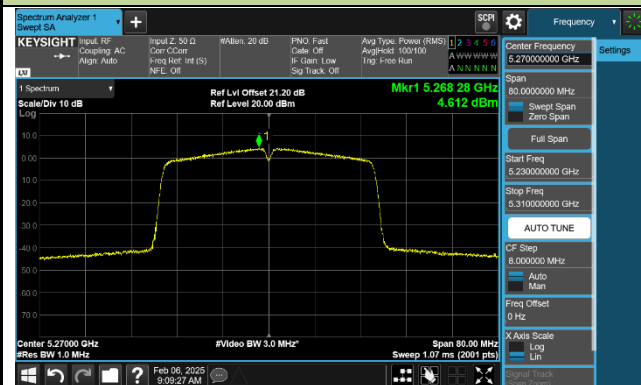
Channel 38 (5190MHz)



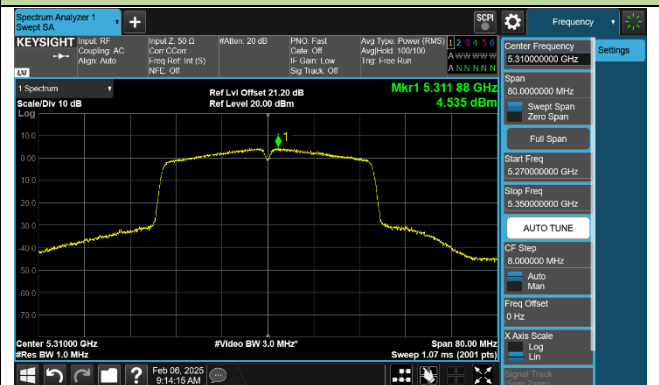
Channel 46 (5230MHz)



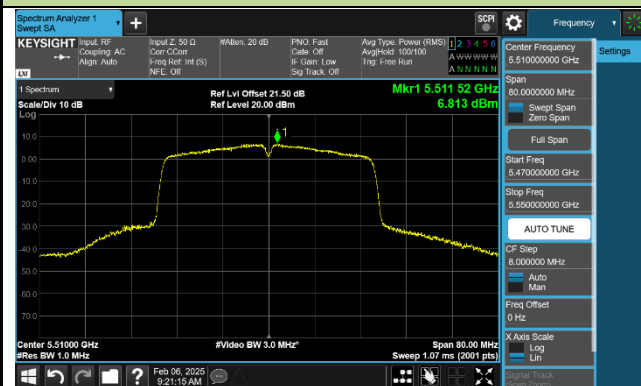
Channel 54 (5270MHz)



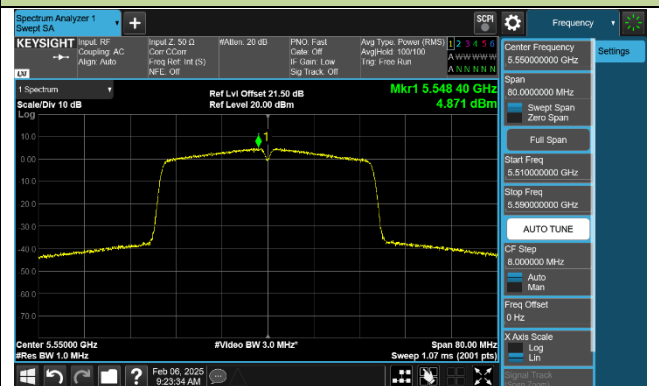
Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)

