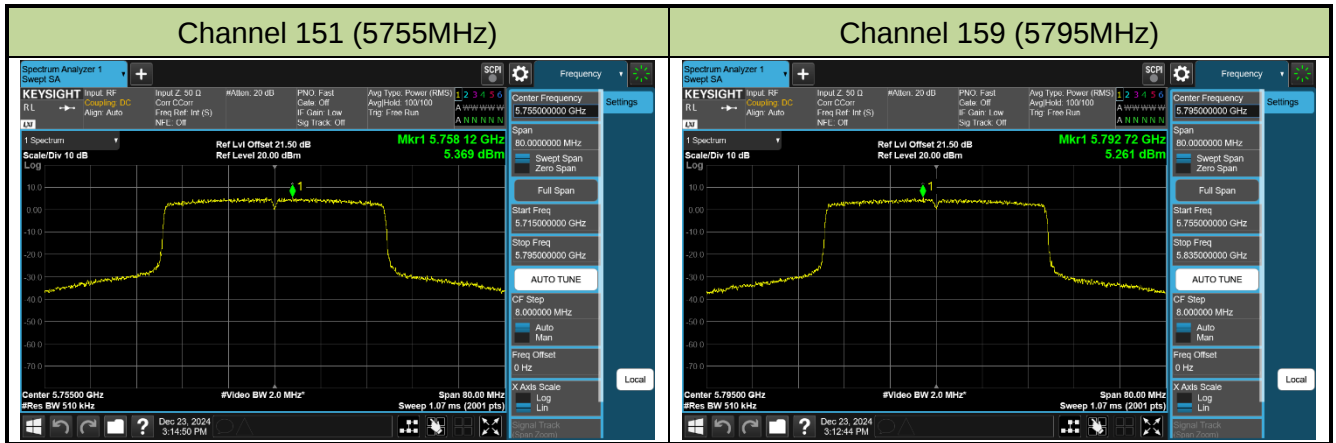
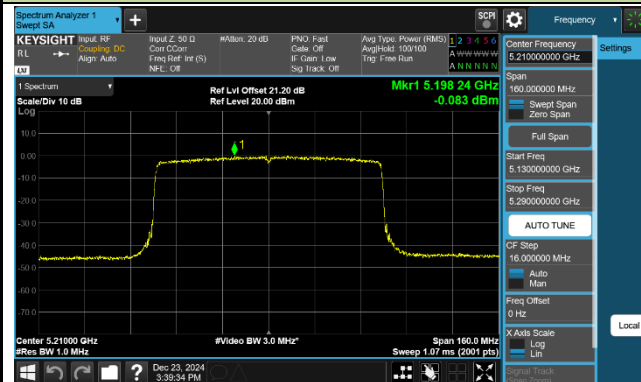


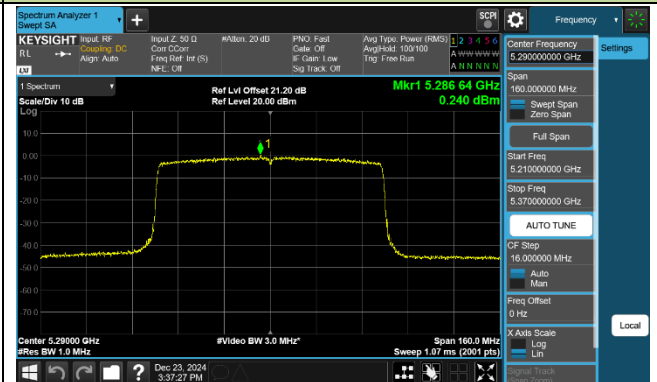


802.11ax-HE80 Power Spectral Density - Ant 1

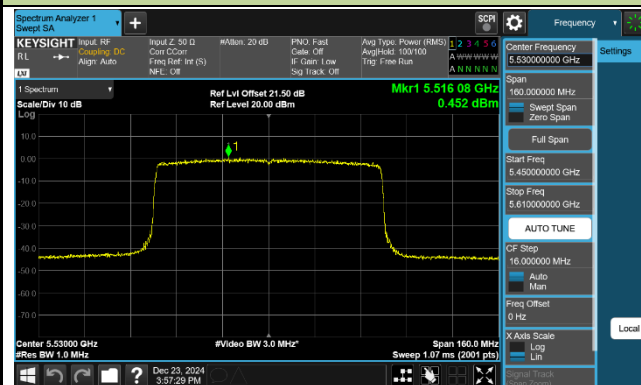
Channel 42 (5210MHz)



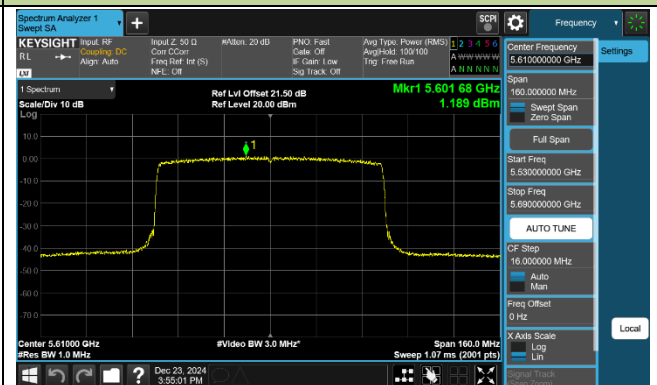
Channel 58 (5290MHz)



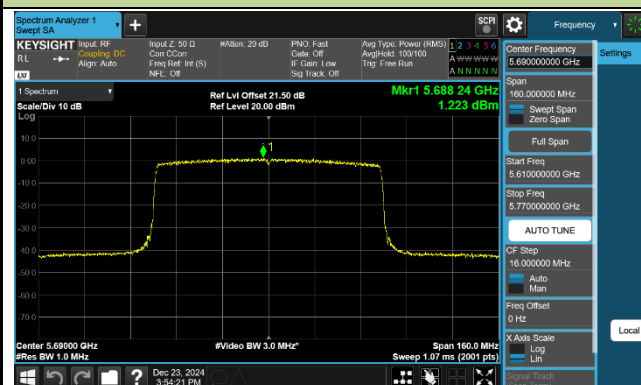
Channel 106 (5530MHz)



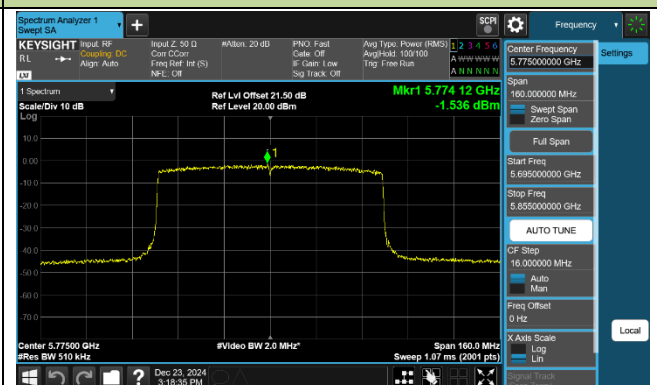
Channel 122 (5610MHz)



Channel 138 (5690MHz)

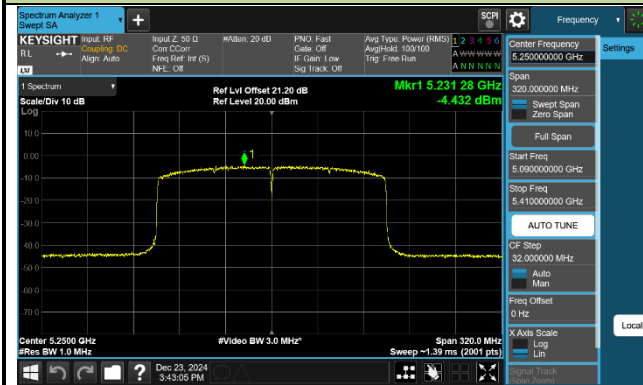


Channel 155 (5775MHz)

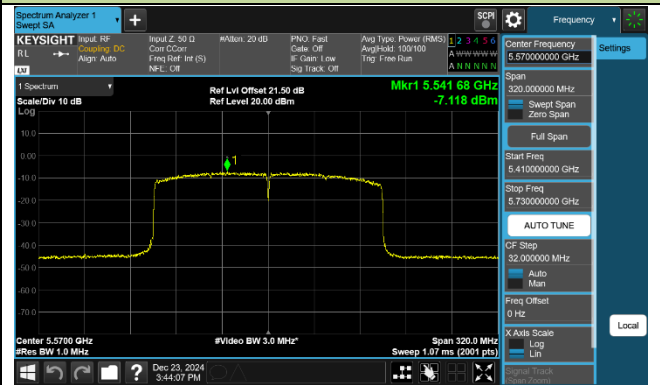


802.11ax-HE160 Power Spectral Density - Ant 1

Channel 50 (5250MHz)



Channel 114 (5570MHz)



Product	AX3000 Indoor/Outdoor Wi-Fi 6 Access Point	Test Engineer	Peter
Test Site	SR6	Test Date	2024/12/27~2025/1/19
Mode	Power Spectral Density (U-NII- 1/-2a / -2c) _ Wi-Fi Antenna_High Gain		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	6.000	5.945	97.77%	9.081	≤ 13.00	Pass
11a	6Mbps	40	5200	8.818	8.488	97.77%	11.764	≤ 13.00	Pass
11a	6Mbps	48	5240	9.264	9.393	97.77%	12.437	≤ 13.00	Pass
11a	6Mbps	52	5260	3.491	3.069	97.77%	6.393	≤ 7.00	Pass
11a	6Mbps	60	5300	3.378	3.387	97.77%	6.491	≤ 7.00	Pass
11a	6Mbps	64	5320	3.616	3.226	97.77%	6.534	≤ 7.00	Pass
11a	6Mbps	100	5500	2.802	2.887	97.77%	5.953	≤ 7.00	Pass
11a	6Mbps	116	5580	2.989	3.662	97.77%	6.447	≤ 7.00	Pass
11a	6Mbps	140	5700	2.121	1.322	97.77%	4.848	≤ 7.00	Pass
11a	6Mbps	144	5720	4.379	3.330	97.77%	6.994	≤ 7.00	Pass
11ac-VHT20	MCS0	36	5180	5.412	4.946	86.48%	8.826	≤ 13.00	Pass
11ac-VHT20	MCS0	40	5200	7.875	8.378	86.48%	11.775	≤ 13.00	Pass
11ac-VHT20	MCS0	48	5240	7.706	8.031	86.48%	11.513	≤ 13.00	Pass
11ac-VHT20	MCS0	52	5260	3.111	3.066	86.48%	6.730	≤ 7.00	Pass
11ac-VHT20	MCS0	60	5300	2.429	3.033	86.48%	6.383	≤ 7.00	Pass
11ac-VHT20	MCS0	64	5320	2.510	2.129	86.48%	5.965	≤ 7.00	Pass
11ac-VHT20	MCS0	100	5500	2.524	2.020	86.48%	5.920	≤ 7.00	Pass
11ac-VHT20	MCS0	116	5580	2.209	3.437	86.48%	6.507	≤ 7.00	Pass
11ac-VHT20	MCS0	140	5700	1.297	0.285	86.48%	4.462	≤ 7.00	Pass
11ac-VHT20	MCS0	144	5720	2.908	1.256	86.48%	5.801	≤ 7.00	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT40	MCS0	38	5190	1.850	1.432	85.56%	5.334	≤ 13.00	Pass
11ac-VHT40	MCS0	46	5230	4.633	4.784	85.56%	8.397	≤ 13.00	Pass
11ac-VHT40	MCS0	54	5270	1.683	2.303	85.56%	5.692	≤ 7.00	Pass
11ac-VHT40	MCS0	62	5310	-0.273	-0.014	85.56%	3.546	≤ 7.00	Pass
11ac-VHT40	MCS0	102	5510	-0.376	-0.603	85.56%	3.200	≤ 7.00	Pass
11ac-VHT40	MCS0	110	5550	1.908	2.117	85.56%	5.701	≤ 7.00	Pass
11ac-VHT40	MCS0	134	5670	1.593	0.982	85.56%	4.986	≤ 7.00	Pass
11ac-VHT40	MCS0	142	5710	1.856	1.193	85.56%	5.225	≤ 7.00	Pass
11ac-VHT80	MCS0	42	5210	-2.629	-1.855	85.42%	1.470	≤ 13.00	Pass
11ac-VHT80	MCS0	58	5290	-3.253	-3.019	85.42%	0.560	≤ 7.00	Pass
11ac-VHT80	MCS0	106	5530	-2.855	-2.944	85.42%	0.795	≤ 7.00	Pass
11ac-VHT80	MCS0	122	5610	-1.338	-2.821	85.42%	1.678	≤ 7.00	Pass
11ac-VHT80	MCS0	138	5690	-2.349	-1.316	85.42%	1.893	≤ 7.00	Pass
11ac-VHT160	MCS0	50	5250	-7.180	-6.785	93.26%	-3.665	≤ 7.00	Pass
11ac-VHT160	MCS0	114	5570	-6.498	-5.811	93.26%	-2.828	≤ 7.00	Pass
11ax-HE20	MCS0	36	5180	6.321	5.838	84.80%	9.813	≤ 13.00	Pass
11ax-HE20	MCS0	40	5200	9.255	9.134	84.80%	12.921	≤ 13.00	Pass
11ax-HE20	MCS0	48	5240	9.211	9.183	84.80%	12.923	≤ 13.00	Pass
11ax-HE20	MCS0	52	5260	3.274	2.442	84.80%	6.604	≤ 7.00	Pass
11ax-HE20	MCS0	60	5300	3.200	3.069	84.80%	6.861	≤ 7.00	Pass
11ax-HE20	MCS0	64	5320	2.642	3.146	84.80%	6.628	≤ 7.00	Pass
11ax-HE20	MCS0	100	5500	2.407	2.419	84.80%	6.139	≤ 7.00	Pass
11ax-HE20	MCS0	116	5580	2.920	3.296	84.80%	6.838	≤ 7.00	Pass
11ax-HE20	MCS0	140	5700	1.009	0.329	84.80%	4.409	≤ 7.00	Pass
11ax-HE20	MCS0	144	5720	3.396	2.264	84.80%	6.593	≤ 7.00	Pass

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ax-HE40	MCS0	38	5190	0.934	1.346	85.40%	4.841	≤ 13.00	Pass
11ax-HE40	MCS0	46	5230	4.816	4.661	85.40%	8.435	≤ 13.00	Pass
11ax-HE40	MCS0	54	5270	1.893	1.733	85.40%	5.509	≤ 7.00	Pass
11ax-HE40	MCS0	62	5310	1.582	1.671	85.40%	5.322	≤ 7.00	Pass
11ax-HE40	MCS0	102	5510	1.478	1.627	85.40%	5.249	≤ 7.00	Pass
11ax-HE40	MCS0	110	5550	1.347	1.853	85.40%	5.303	≤ 7.00	Pass
11ax-HE40	MCS0	134	5670	1.617	1.068	85.40%	5.047	≤ 7.00	Pass
11ax-HE40	MCS0	142	5710	1.894	1.283	85.40%	5.295	≤ 7.00	Pass
11ax-HE80	MCS0	42	5210	-2.234	-1.611	85.69%	1.770	≤ 13.00	Pass
11ax-HE80	MCS0	58	5290	-3.741	-2.957	85.69%	0.350	≤ 7.00	Pass
11ax-HE80	MCS0	106	5530	-3.033	-2.691	85.69%	0.822	≤ 7.00	Pass
11ax-HE80	MCS0	122	5610	-1.382	-2.799	85.69%	1.648	≤ 7.00	Pass
11ax-HE80	MCS0	138	5690	-1.968	-1.317	85.69%	2.051	≤ 7.00	Pass
11ax-HE160	MCS0	50	5250	-7.761	-7.100	86.84%	-3.795	≤ 7.00	Pass
11ax-HE160	MCS0	114	5570	-6.288	-6.102	86.84%	-2.571	≤ 7.00	Pass

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

Note 2:

For 5150 - 5250 MHz Band: PSD Limit (dBm/MHz) = 17 - (10.00 - 6) = 13.00 dBm/MHz.

For 5250 - 5350 MHz and 5470 - 5725 MHz Band: PSD Limit (dBm/MHz) = 11 - (10.00 - 6) = 7.00 dBm/MHz.

Product	AX3000 Indoor/Outdoor Wi-Fi 6 Access Point	Test Engineer	Peter
Test Site	SR6	Test Date	2024/12/27~2025/1/19
Mode	Power Spectral Density (U-NII-3) _ Wi-Fi Antenna_High Gain		

Test Mode	Data Rate/MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/510KHz)	Ant 1 PSD (dBm/510KHz)	Duty Cycle (%)	Total PSD(dBm/510kHz)	Limit (dBm/500kHz)	Result
11a	6Mbps	149	5745	6.119	6.581	97.77%	9.464	≤ 26.00	Pass
11a	6Mbps	157	5785	5.812	6.481	97.77%	9.268	≤ 26.00	Pass
11a	6Mbps	165	5825	5.638	6.638	97.77%	9.275	≤ 26.00	Pass
11ac-VHT20	MCS0	149	5745	5.429	5.403	86.48%	9.057	≤ 26.00	Pass
11ac-VHT20	MCS0	157	5785	4.122	5.169	86.48%	8.318	≤ 26.00	Pass
11ac-VHT20	MCS0	165	5825	4.483	4.782	86.48%	8.276	≤ 26.00	Pass
11ac-VHT40	MCS0	151	5755	1.660	2.066	85.56%	5.555	≤ 26.00	Pass
11ac-VHT40	MCS0	159	5795	1.565	2.510	85.56%	5.751	≤ 26.00	Pass
11ac-VHT80	MCS0	155	5775	-0.950	-0.769	85.42%	2.836	≤ 26.00	Pass
11ax-HE20	MCS0	149	5745	5.052	5.867	84.80%	9.205	≤ 26.00	Pass
11ax-HE20	MCS0	157	5785	4.242	5.215	84.80%	8.482	≤ 26.00	Pass
11ax-HE20	MCS0	165	5825	4.965	5.330	84.80%	8.878	≤ 26.00	Pass
11ax-HE40	MCS0	151	5755	1.681	2.491	85.40%	5.801	≤ 26.00	Pass
11ax-HE40	MCS0	159	5795	1.393	2.340	85.40%	5.588	≤ 26.00	Pass
11ax-HE80	MCS0	155	5775	-0.527	-0.889	85.69%	2.977	≤ 26.00	Pass

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

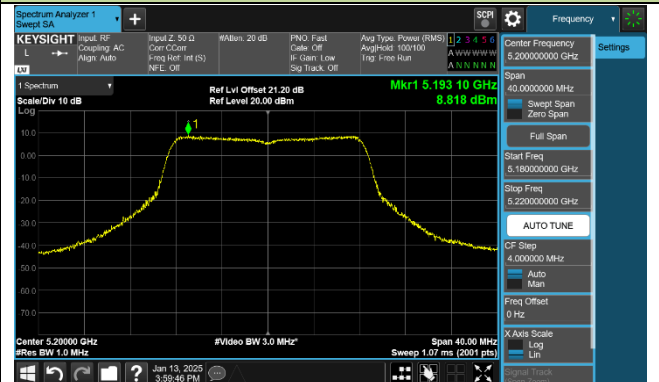
Note 2: PSD Limit (dBm/500kHz) = 30 - (10.00 - 6) = 26.00(dBm/500kHz).

802.11a Power Spectral Density - Ant 0

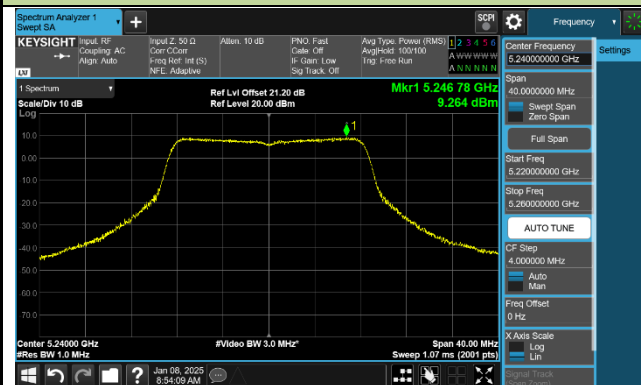
Channel 36 (5180MHz)



Channel 40 (5200MHz)



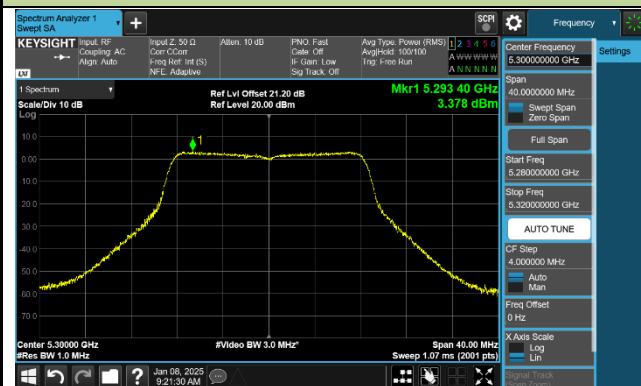
Channel 48 (5240MHz)



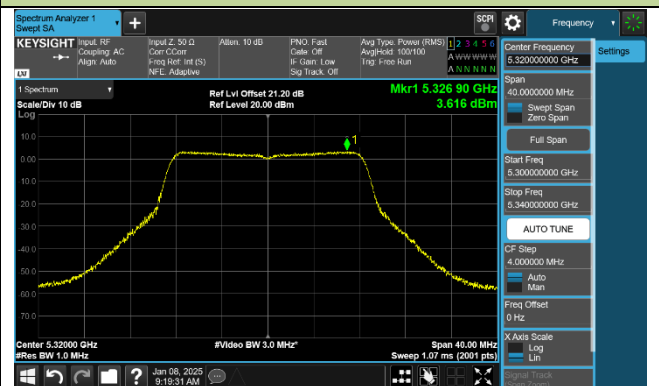
Channel 52 (5260MHz)



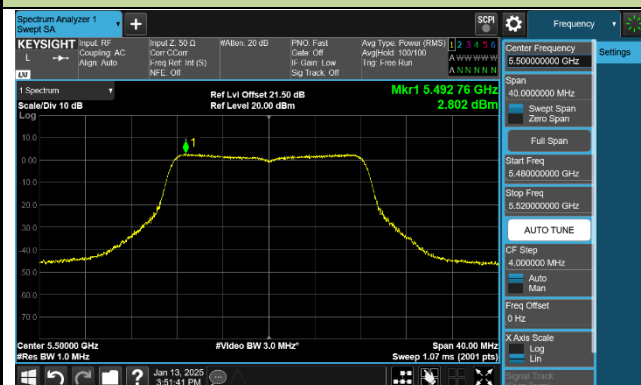
Channel 60 (5300MHz)



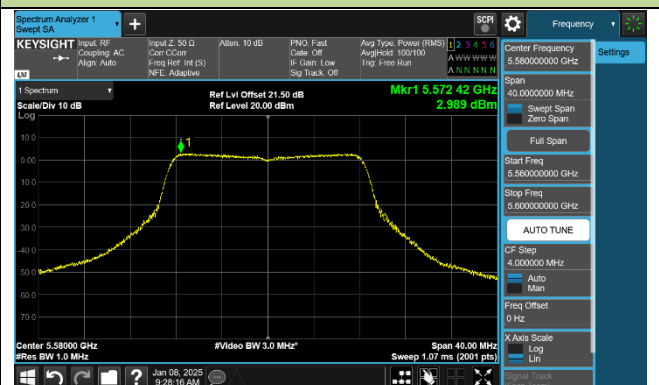
Channel 64 (5320MHz)

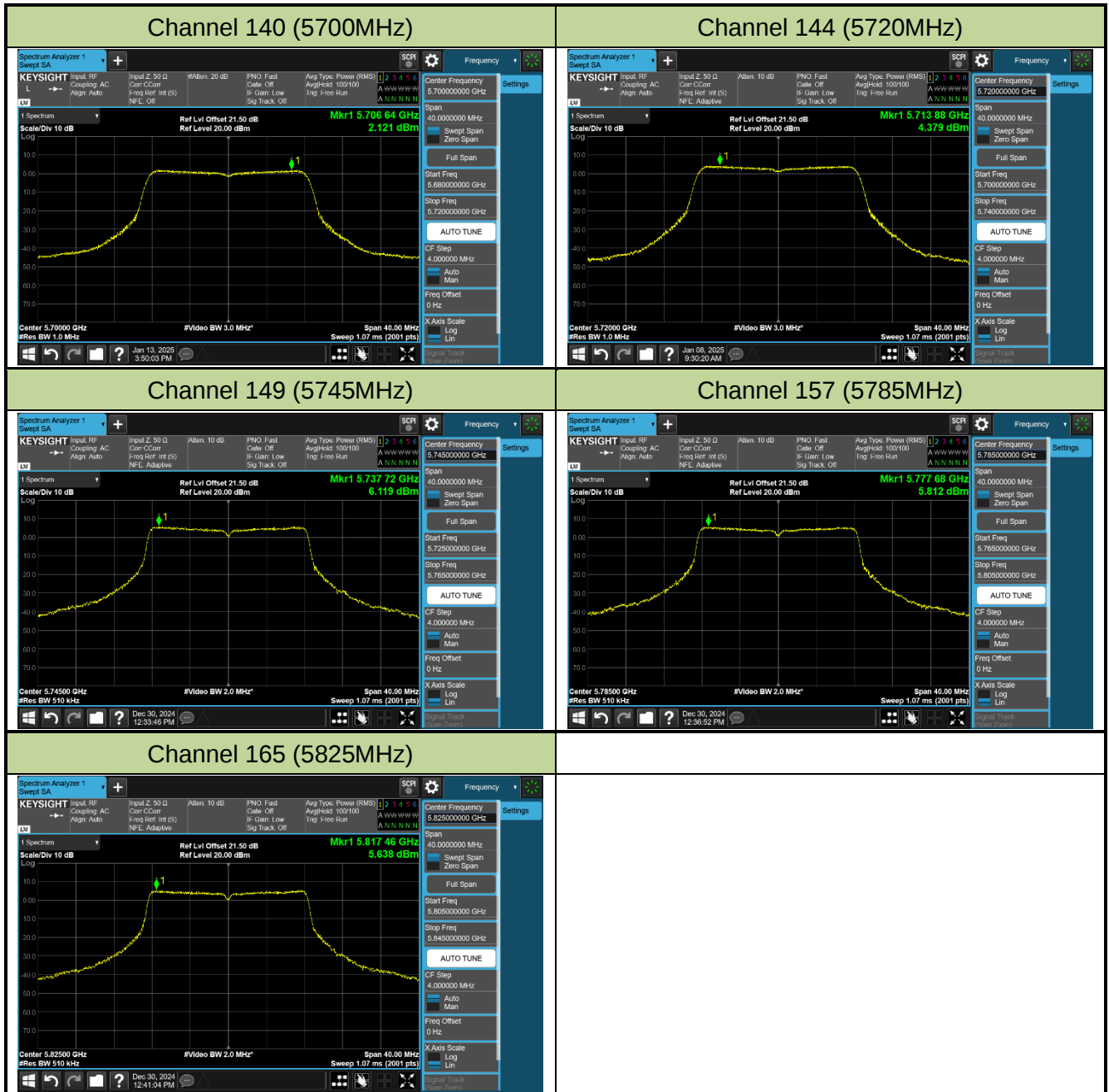


Channel 100 (5500MHz)



Channel 116 (5580MHz)



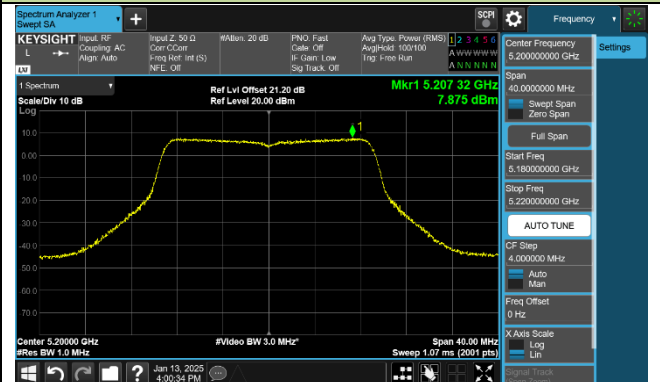


802.11ac-VHT20 Power Spectral Density - Ant 0

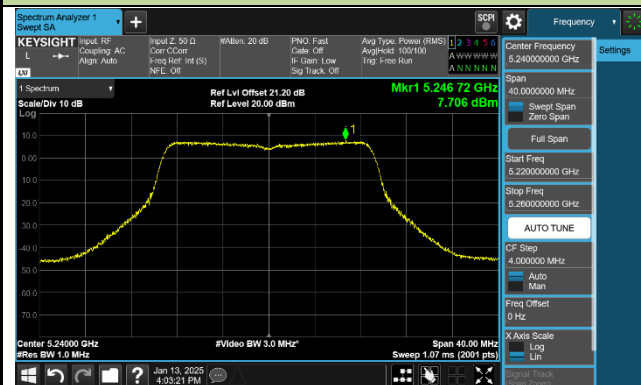
Channel 36 (5180MHz)



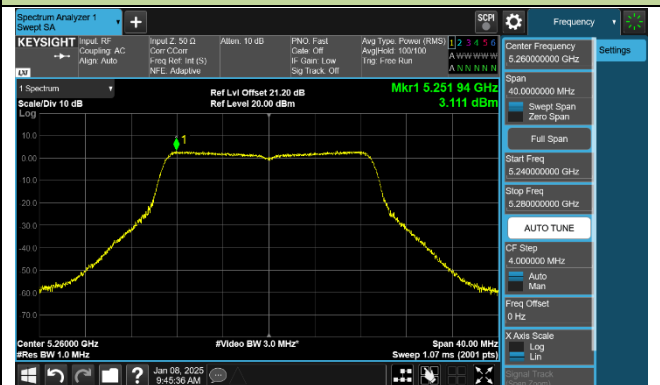
Channel 40 (5200MHz)



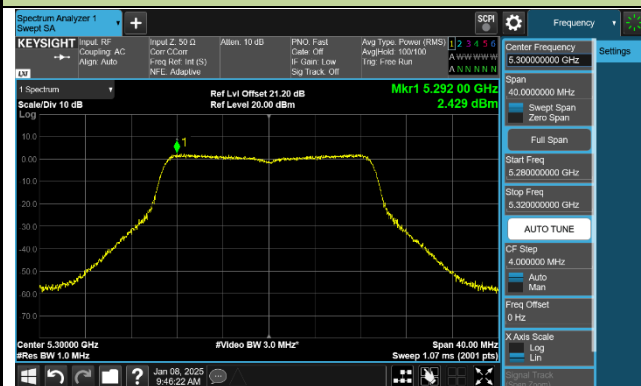
Channel 48 (5240MHz)



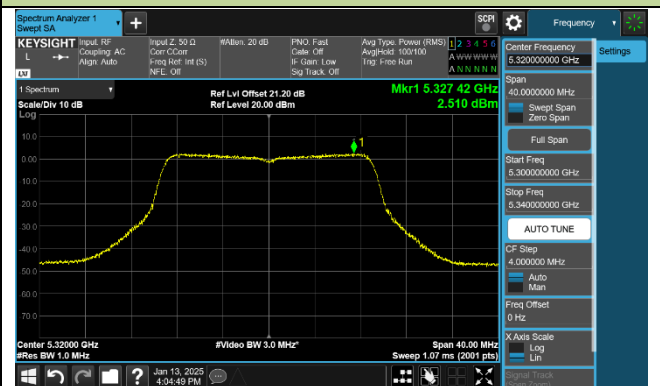
Channel 52 (5260MHz)



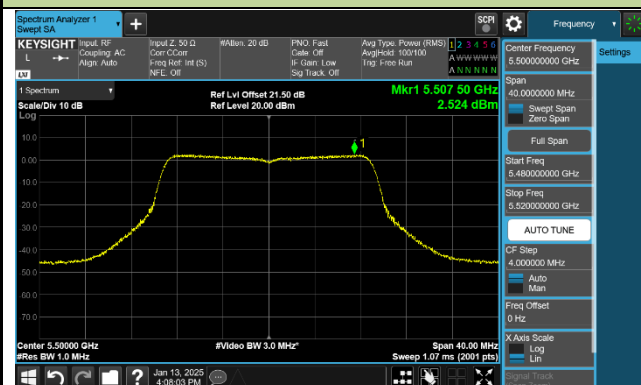
Channel 60 (5300MHz)



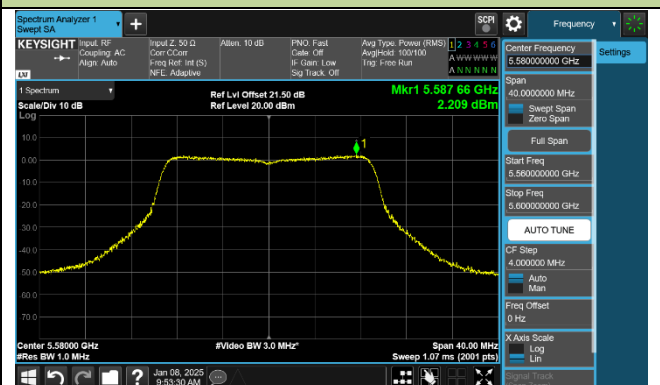
Channel 64 (5320MHz)

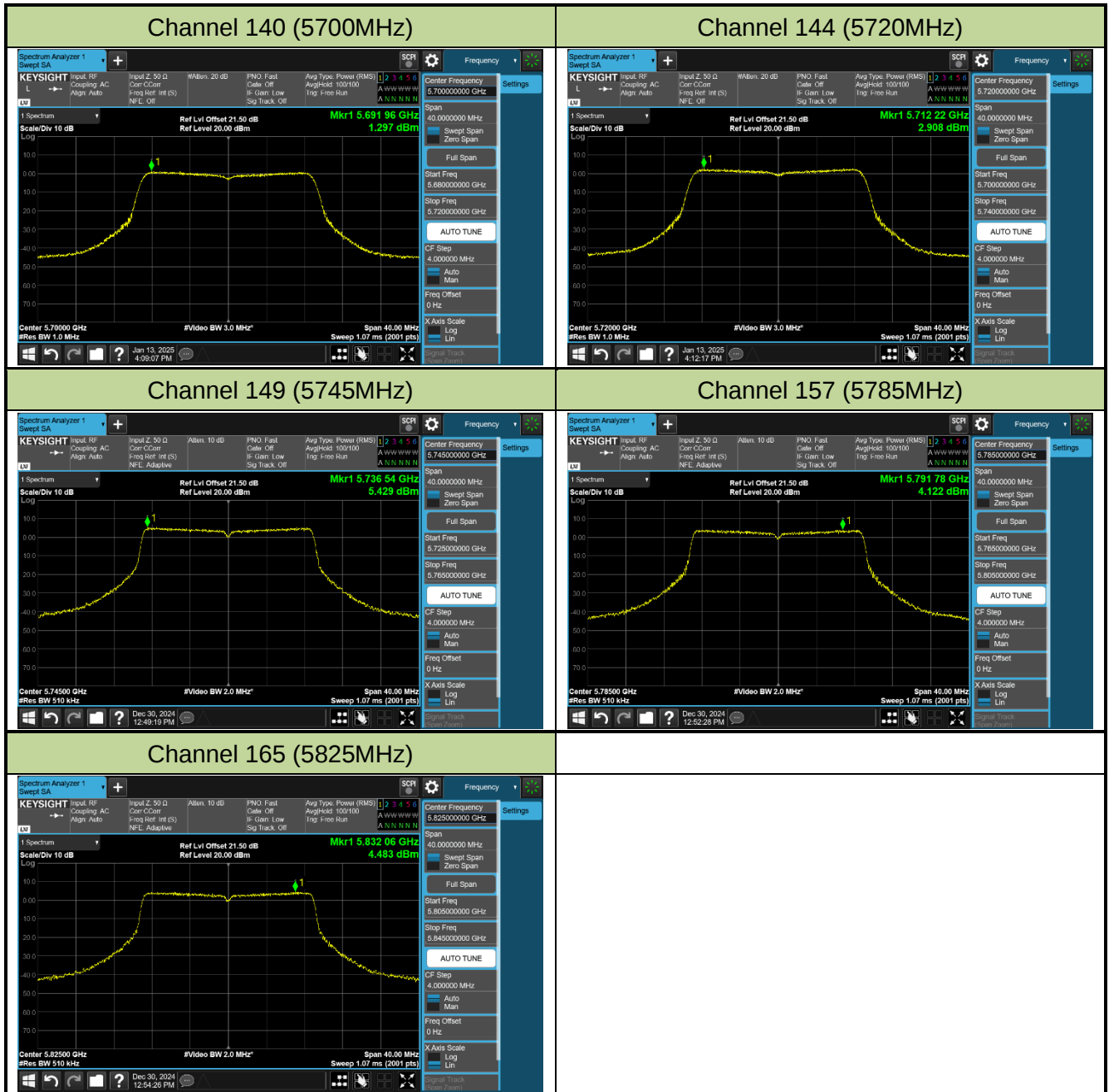


Channel 100 (5500MHz)



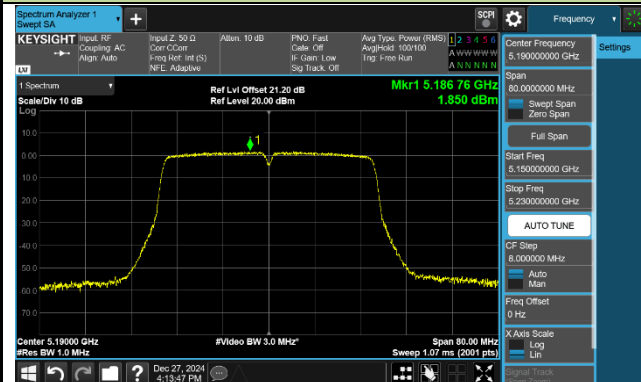
Channel 116 (5580MHz)



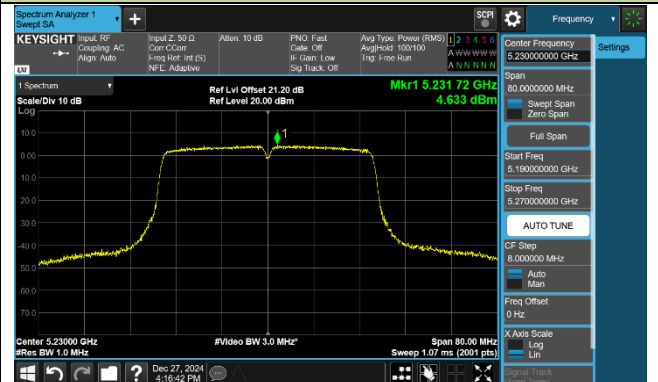


802.11ac-VHT40 Power Spectral Density - Ant 0

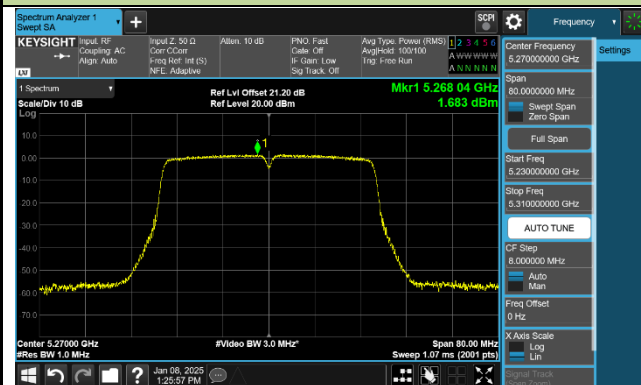
Channel 38 (5190MHz)



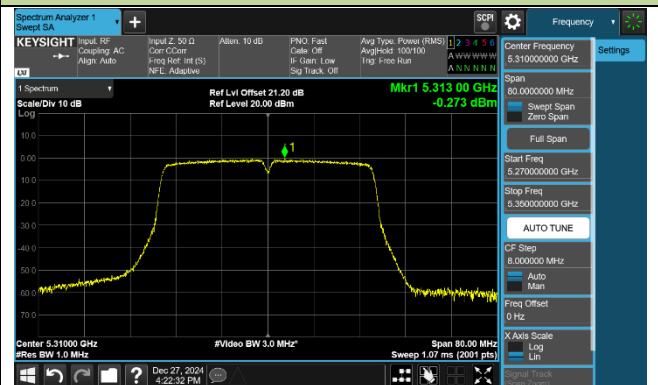
Channel 46 (5230MHz)



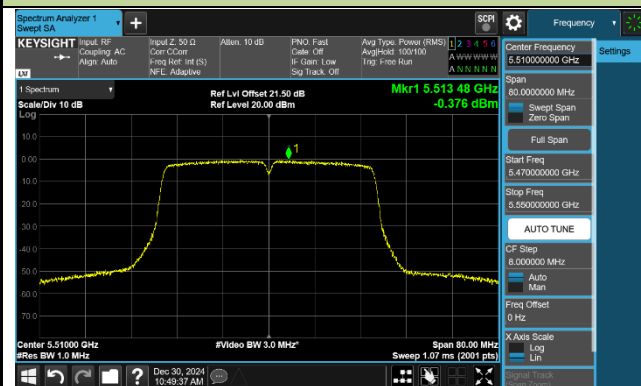
Channel 54 (5270MHz)



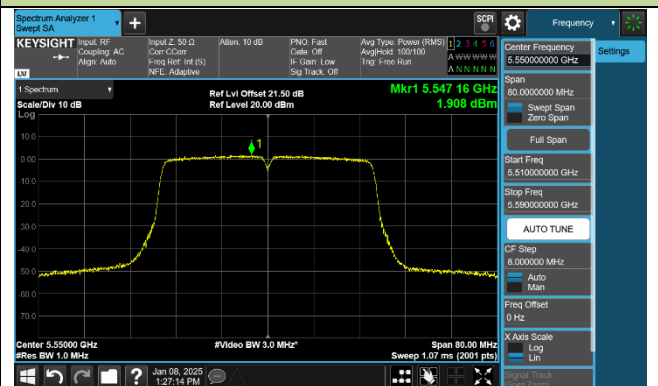
Channel 62 (5310MHz)



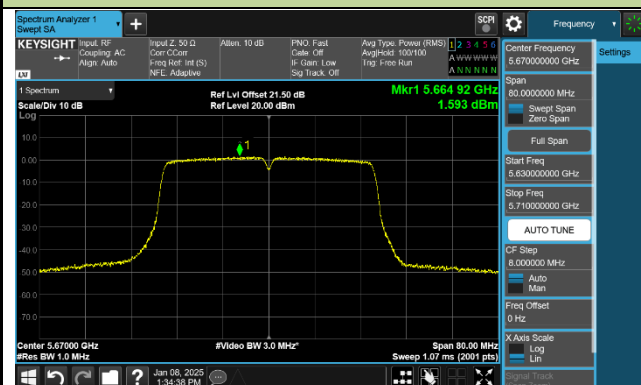
Channel 102 (5510MHz)



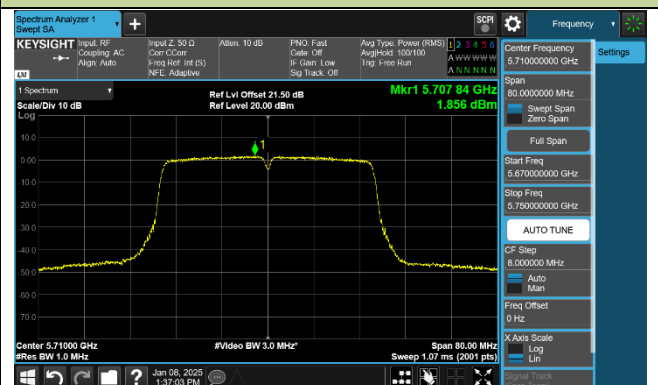
Channel 110 (5550MHz)

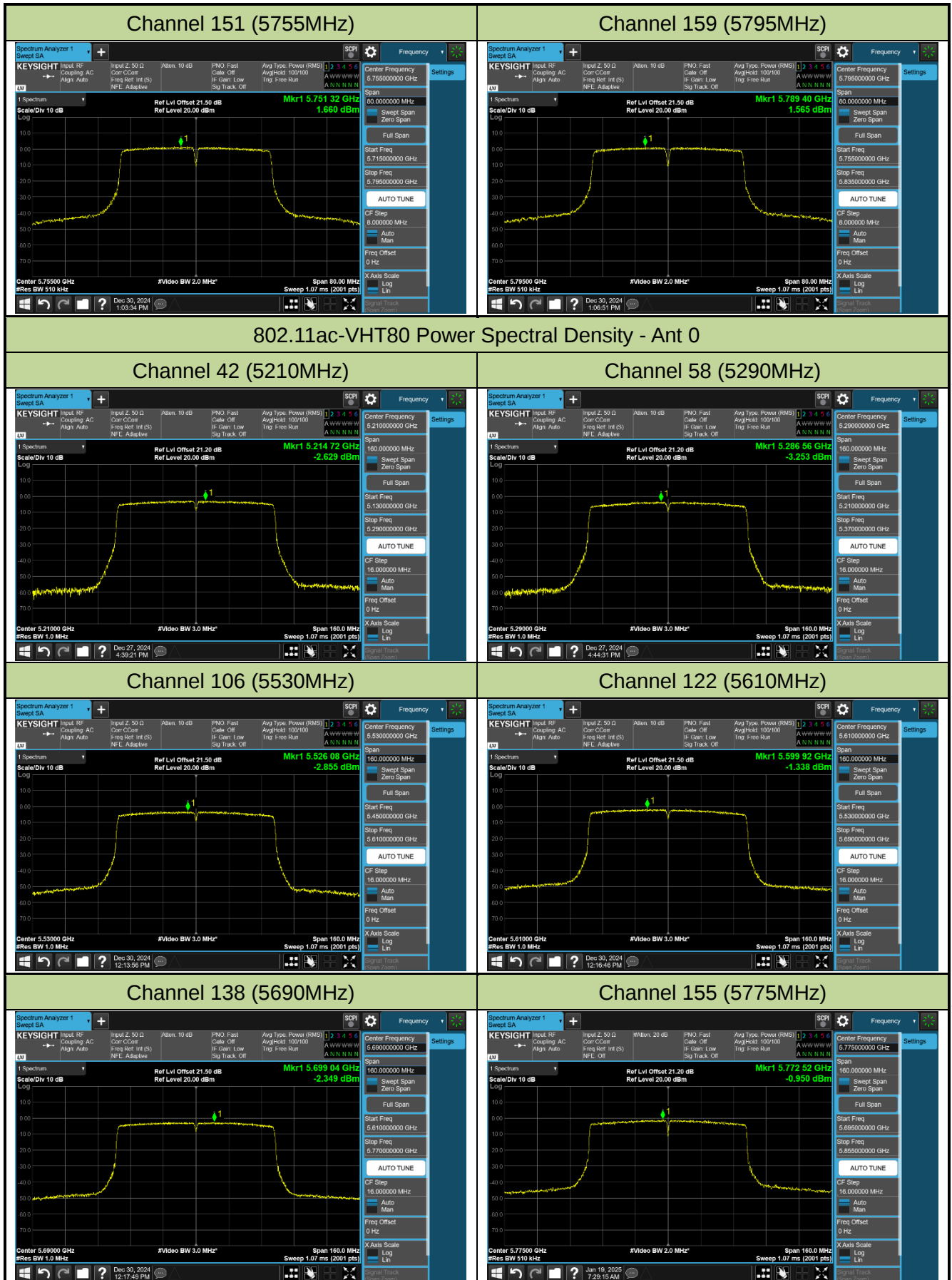


Channel 134 (5670MHz)



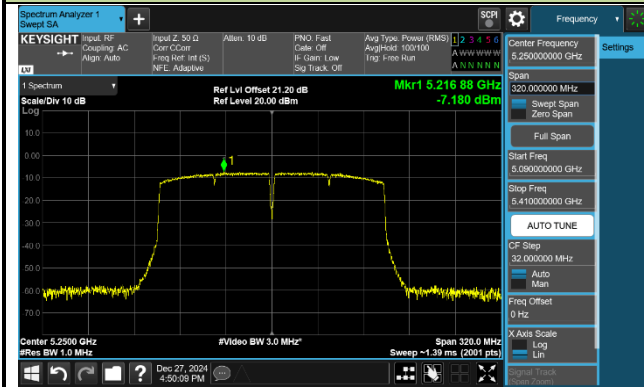
Channel 142 (5710MHz)



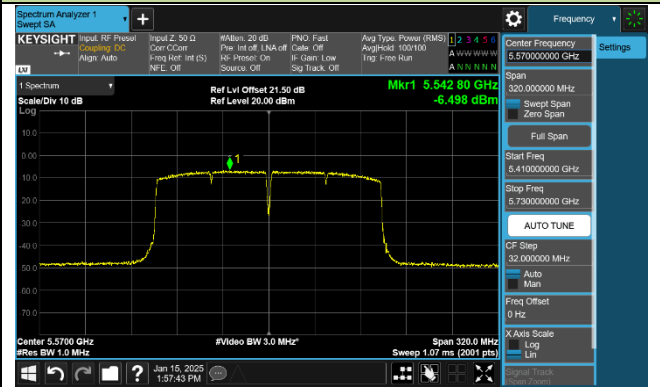


802.11ac-VHT160 Power Spectral Density - Ant 0

Channel 50 (5250MHz)

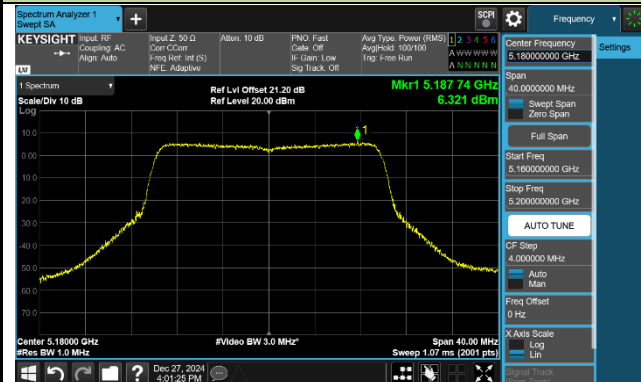


Channel 114 (5570MHz)

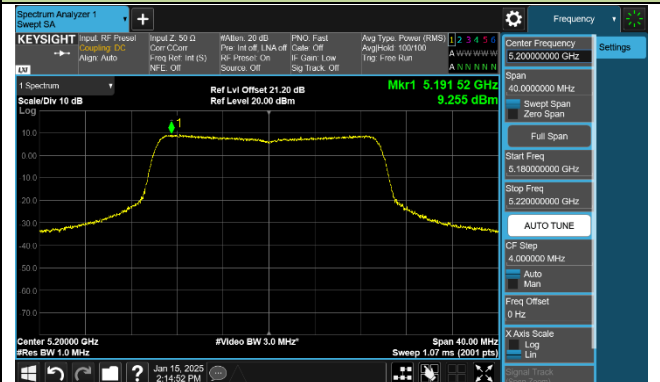


802.11ax-HE20 Power Spectral Density - Ant 0

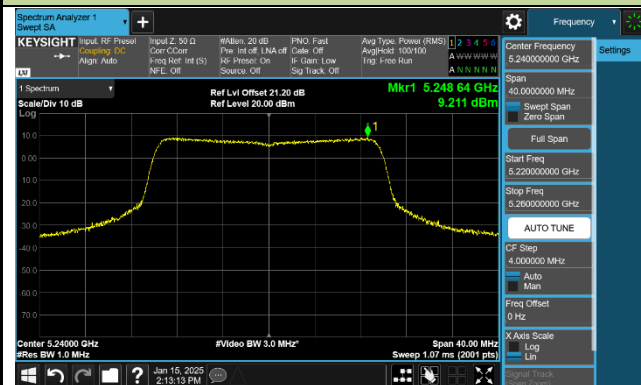
Channel 36 (5180MHz)



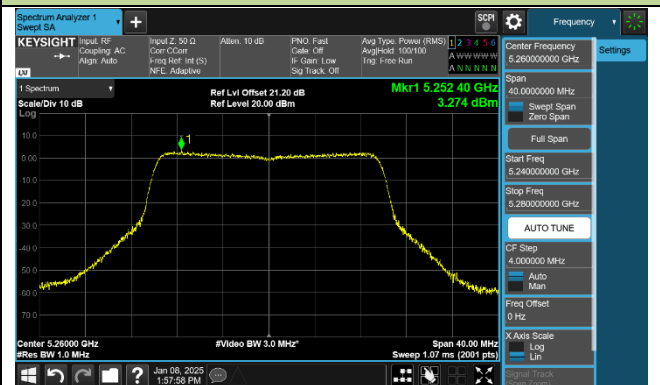
Channel 40 (5200MHz)



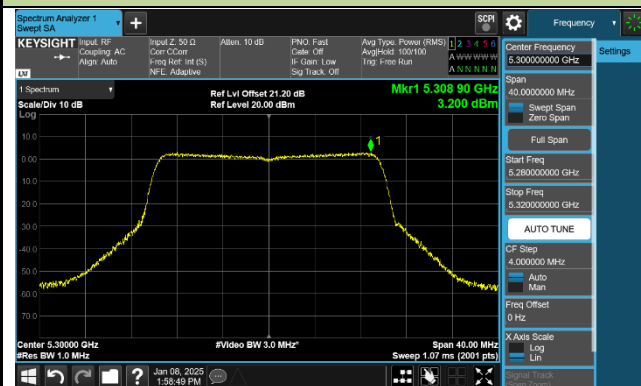
Channel 48 (5240MHz)



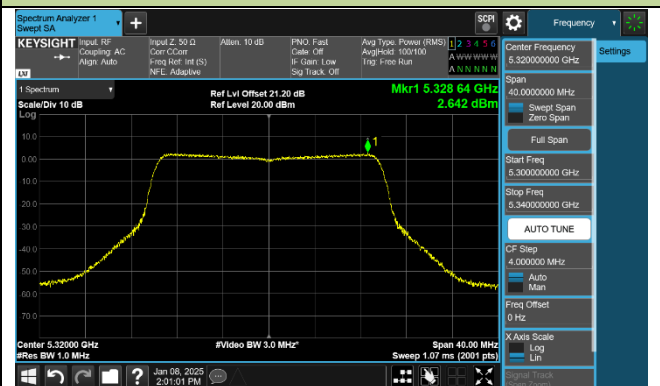
Channel 52 (5260MHz)



Channel 60 (5300MHz)



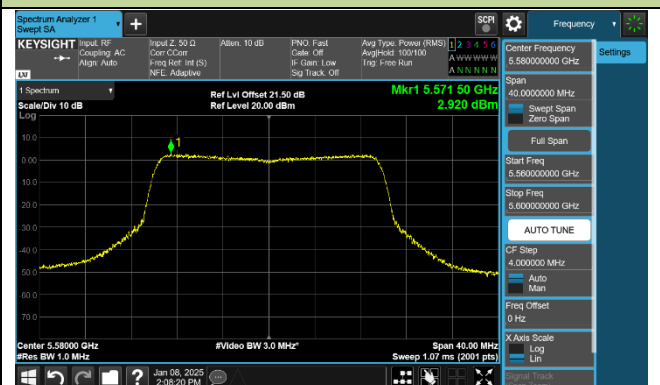
Channel 64 (5320MHz)

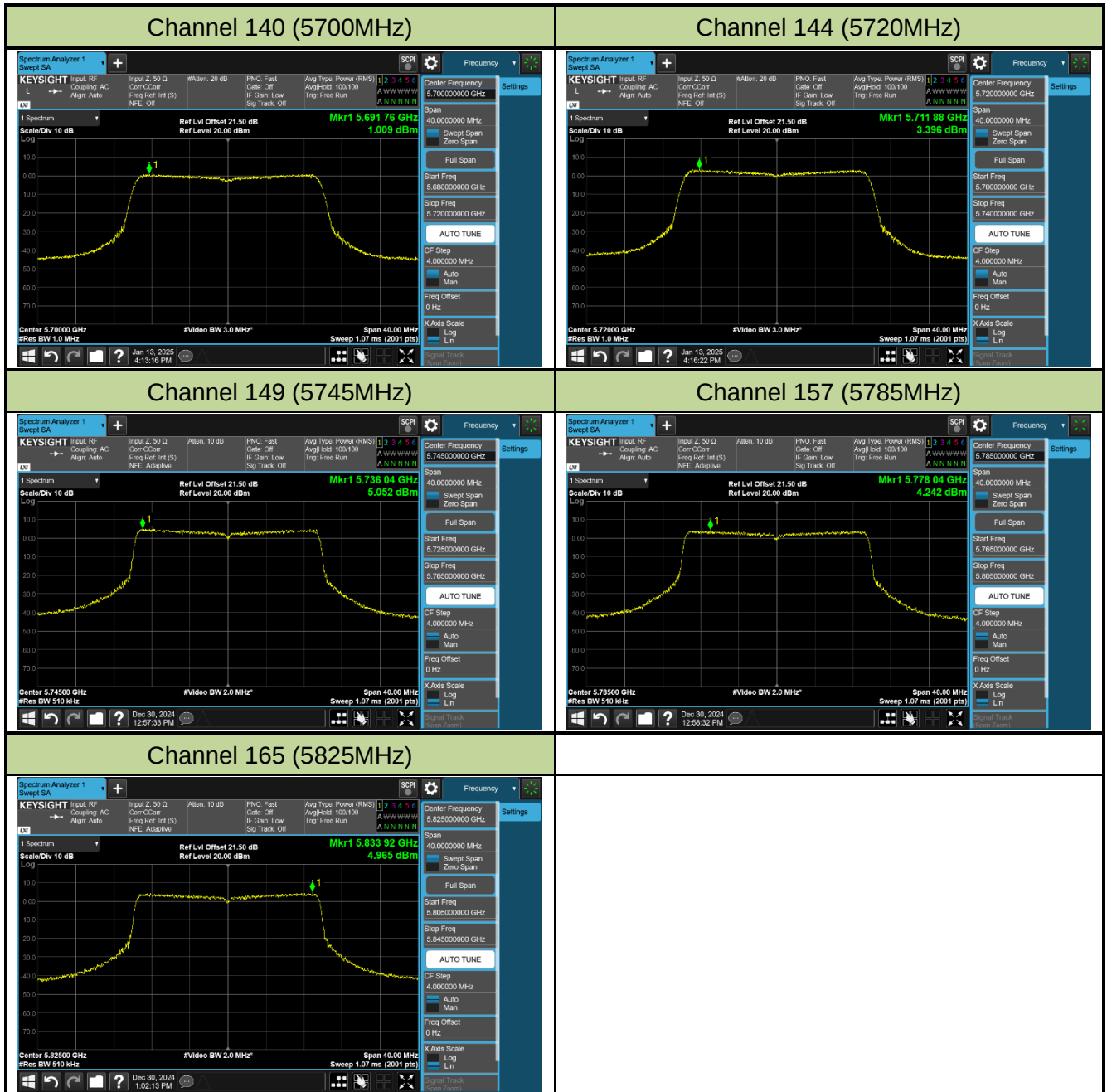


Channel 100 (5500MHz)



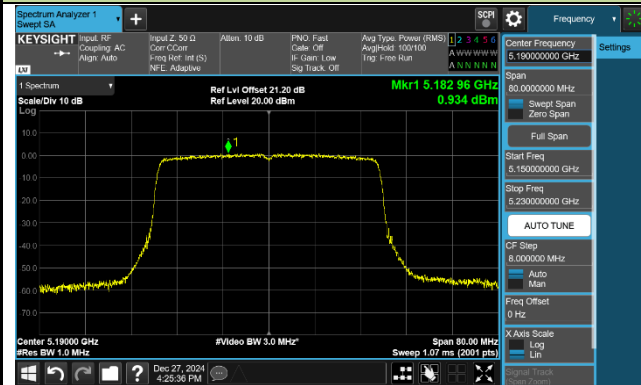
Channel 116 (5580MHz)



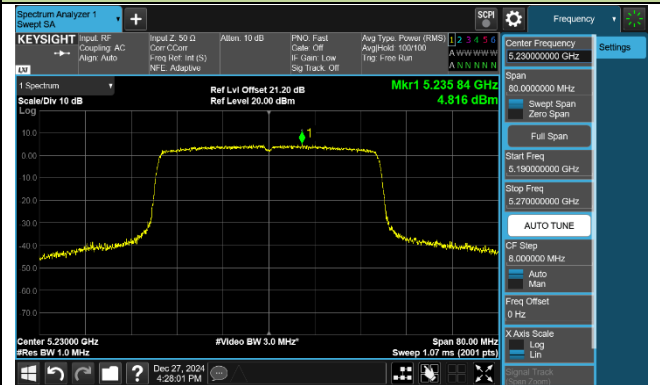


802.11ax-HE40 Power Spectral Density - Ant 0

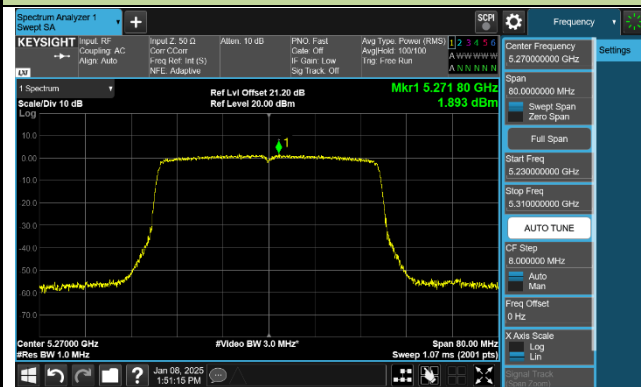
Channel 38 (5190MHz)



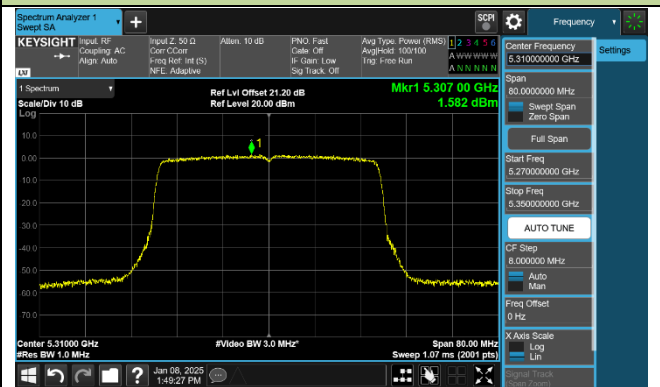
Channel 46 (5230MHz)



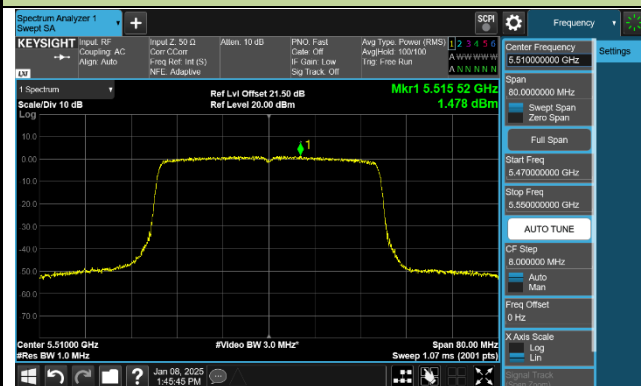
Channel 54 (5270MHz)



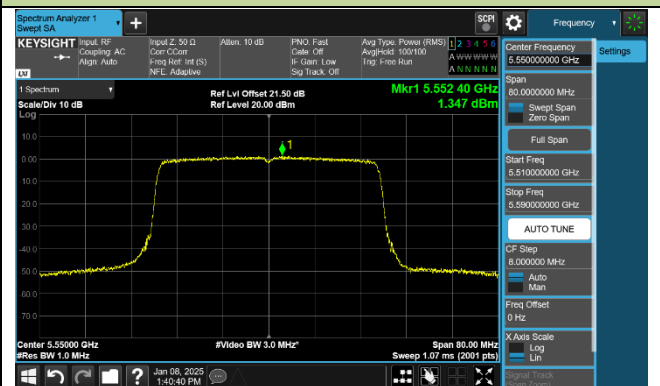
Channel 62 (5310MHz)



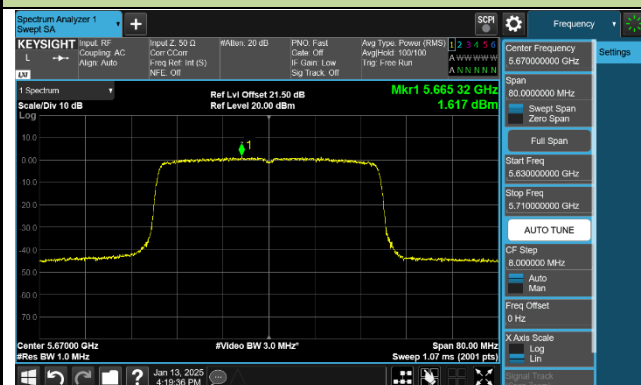
Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)

