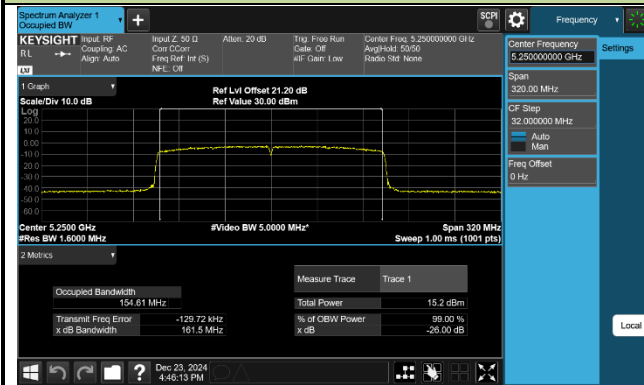
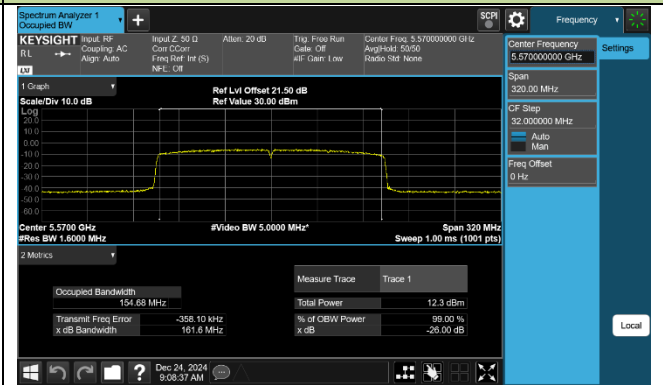


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)



Channel 114 (5570MHz)



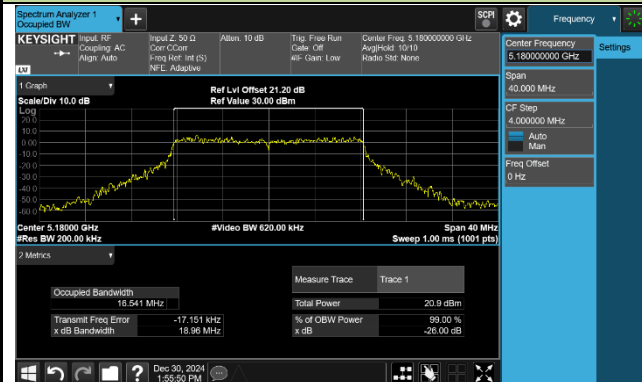
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Wi-Fi Antenna_High Gain					
802.11a	6Mbps	36	5180	18.96	16.541
802.11a	6Mbps	40	5200	19.95	16.529
802.11a	6Mbps	48	5240	20.05	16.517
802.11a	6Mbps	52	5260	18.88	16.553
802.11a	6Mbps	60	5300	19.39	16.554
802.11a	6Mbps	64	5320	19.91	16.468
802.11a	6Mbps	100	5500	18.89	16.518
802.11a	6Mbps	116	5580	19.85	16.605
802.11a	6Mbps	140	5700	19.57	16.557
802.11a	6Mbps	144	5720	19.35	16.552
802.11a	6Mbps	149	5745	19.34	16.556
802.11a	6Mbps	157	5785	18.93	16.530
802.11a	6Mbps	165	5825	19.78	16.534
802.11ac-VHT20	MCS0	36	5180	21.30	17.790
802.11ac-VHT20	MCS0	40	5200	20.56	17.740
802.11ac-VHT20	MCS0	48	5240	20.33	17.801
802.11ac-VHT20	MCS0	52	5260	20.95	17.763
802.11ac-VHT20	MCS0	60	5300	20.06	17.798
802.11ac-VHT20	MCS0	64	5320	20.55	17.785
802.11ac-VHT20	MCS0	100	5500	20.21	17.729
802.11ac-VHT20	MCS0	116	5580	20.37	17.762
802.11ac-VHT20	MCS0	140	5700	19.92	17.765
802.11ac-VHT20	MCS0	144	5720	20.10	17.751
802.11ac-VHT20	MCS0	149	5745	21.13	17.713
802.11ac-VHT20	MCS0	157	5785	20.82	17.791
802.11ac-VHT20	MCS0	165	5825	21.38	17.792

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Wi-Fi Antenna_High Gain					
802.11ac-VHT40	MCS0	38	5190	38.88	35.965
802.11ac-VHT40	MCS0	46	5230	39.16	35.982
802.11ac-VHT40	MCS0	54	5270	39.04	36.042
802.11ac-VHT40	MCS0	62	5310	38.45	35.978
802.11ac-VHT40	MCS0	102	5510	38.54	36.008
802.11ac-VHT40	MCS0	110	5550	38.79	36.002
802.11ac-VHT40	MCS0	134	5670	38.63	36.140
802.11ac-VHT40	MCS0	142	5710	39.19	35.992
802.11ac-VHT40	MCS0	151	5755	38.93	36.097
802.11ac-VHT40	MCS0	159	5795	38.60	35.976
802.11ac-VHT80	MCS0	42	5210	80.42	75.344
802.11ac-VHT80	MCS0	58	5290	80.13	75.457
802.11ac-VHT80	MCS0	106	5530	80.14	75.323
802.11ac-VHT80	MCS0	122	5610	79.89	75.456
802.11ac-VHT80	MCS0	138	5690	80.37	75.675
802.11ac-VHT80	MCS0	155	5775	79.55	75.454
802.11ac-VHT160	MCS0	50	5250	162.8	153.220
802.11ac-VHT160	MCS0	114	5570	162.9	152.970
802.11ax-HE20	MCS0	36	5180	21.11	19.048
802.11ax-HE20	MCS0	40	5200	20.31	19.050
802.11ax-HE20	MCS0	48	5240	21.49	19.176
802.11ax-HE20	MCS0	52	5260	21.20	19.030
802.11ax-HE20	MCS0	60	5300	21.05	19.088
802.11ax-HE20	MCS0	64	5320	21.04	19.043
802.11ax-HE20	MCS0	100	5500	20.60	19.042
802.11ax-HE20	MCS0	116	5580	20.97	19.045
802.11ax-HE20	MCS0	140	5700	20.81	19.019
802.11ax-HE20	MCS0	144	5720	20.85	19.050
802.11ax-HE20	MCS0	149	5745	20.23	19.051
802.11ax-HE20	MCS0	157	5785	20.59	19.047
802.11ax-HE20	MCS0	165	5825	21.15	19.075

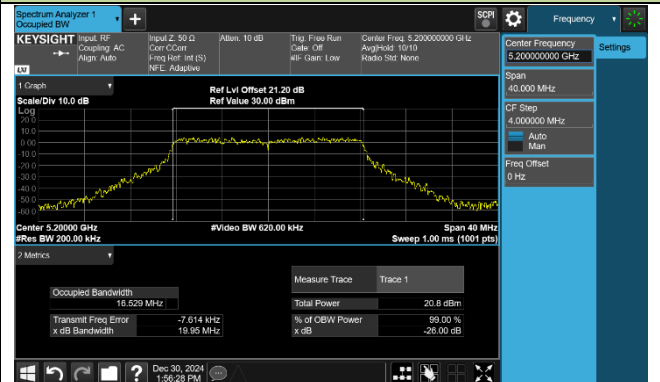
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Wi-Fi Antenna_High Gain					
802.11ax-HE40	MCS0	38	5190	39.79	37.636
802.11ax-HE40	MCS0	46	5230	39.41	37.718
802.11ax-HE40	MCS0	54	5270	39.35	37.531
802.11ax-HE40	MCS0	62	5310	39.47	37.790
802.11ax-HE40	MCS0	102	5510	39.77	37.573
802.11ax-HE40	MCS0	110	5550	39.32	37.710
802.11ax-HE40	MCS0	134	5670	40.07	37.792
802.11ax-HE40	MCS0	142	5710	39.54	37.697
802.11ax-HE40	MCS0	151	5755	39.08	37.716
802.11ax-HE40	MCS0	159	5795	39.81	37.587
802.11ax-HE80	MCS0	42	5210	80.33	76.937
802.11ax-HE80	MCS0	58	5290	80.26	77.150
802.11ax-HE80	MCS0	106	5530	81.01	76.952
802.11ax-HE80	MCS0	122	5610	80.17	76.849
802.11ax-HE80	MCS0	138	5690	81.06	77.066
802.11ax-HE80	MCS0	155	5775	79.55	75.454
802.11ax-HE160	MCS0	50	5250	162.8	154.240
802.11ax-HE160	MCS0	114	5570	162.0	155.100

802.11a 26dB Bandwidth & 99% Bandwidth

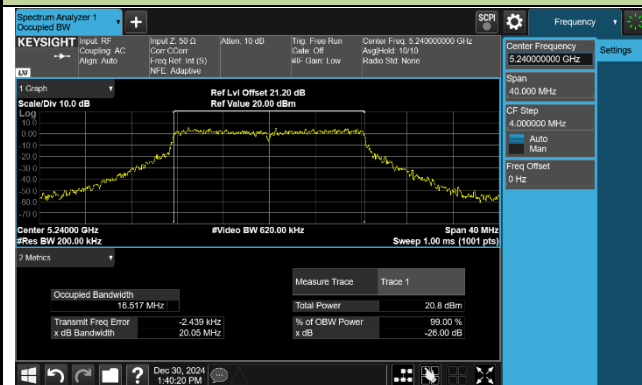
Channel 36 (5180MHz)



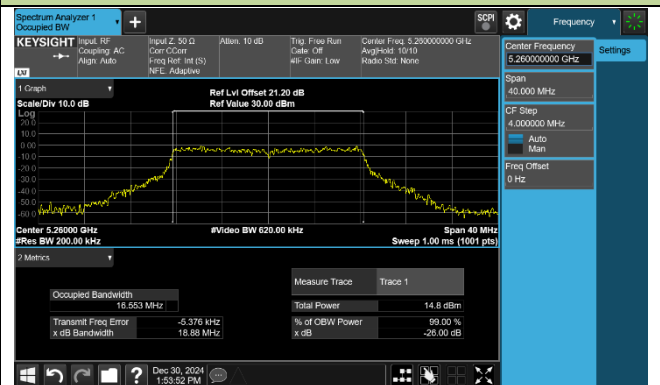
Channel 40 (5200MHz)



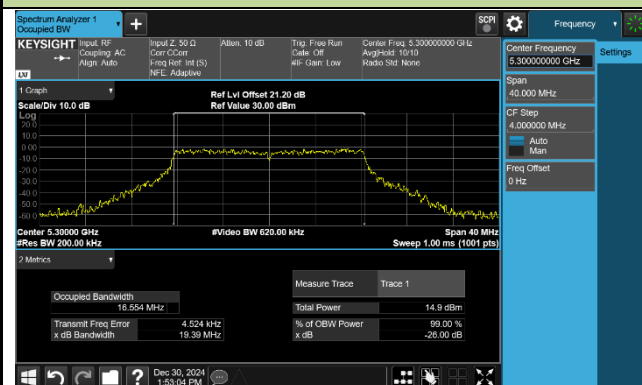
Channel 48 (5240MHz)



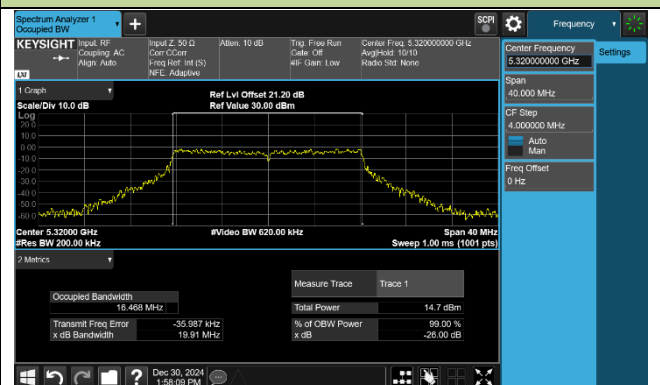
Channel 52 (5260MHz)



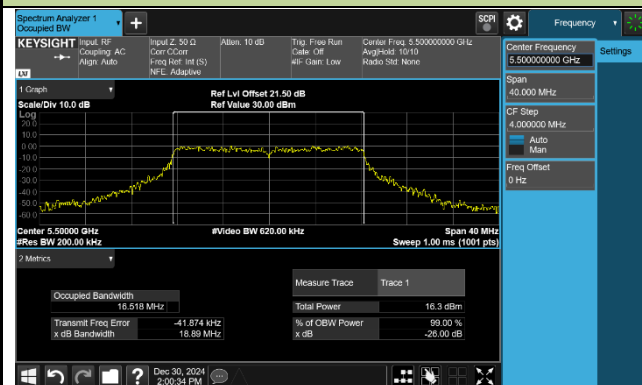
Channel 60 (5300MHz)



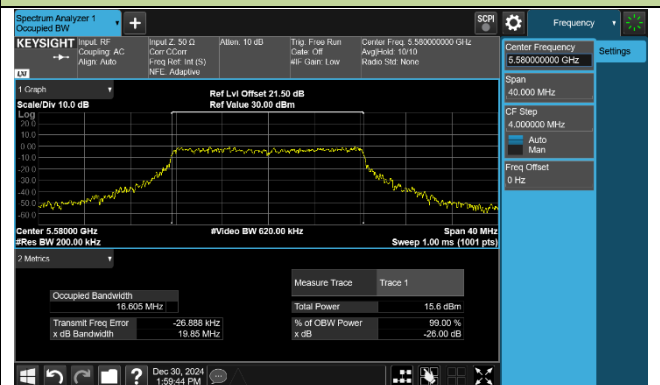
Channel 64 (5320MHz)

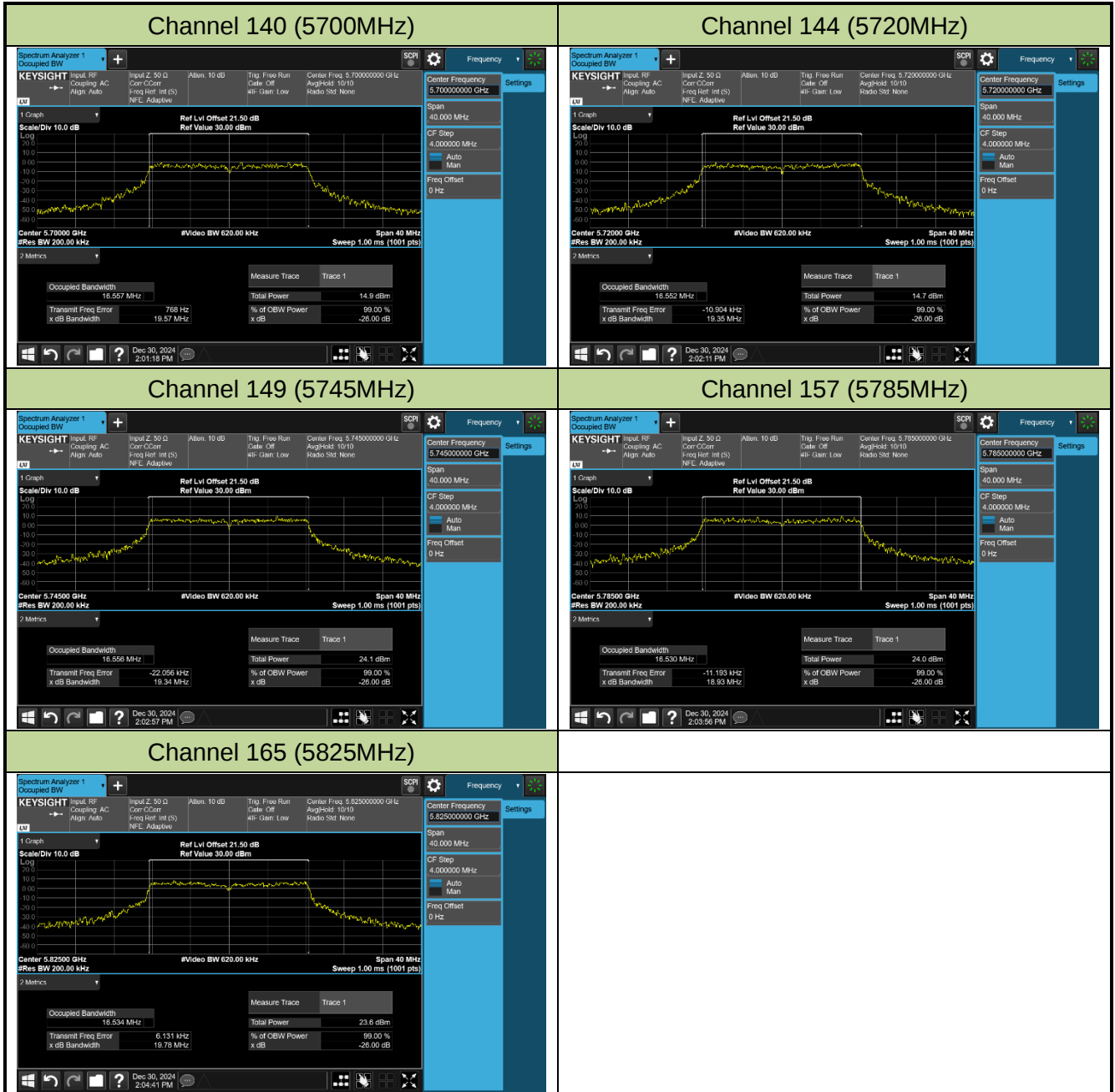


Channel 100 (5500MHz)



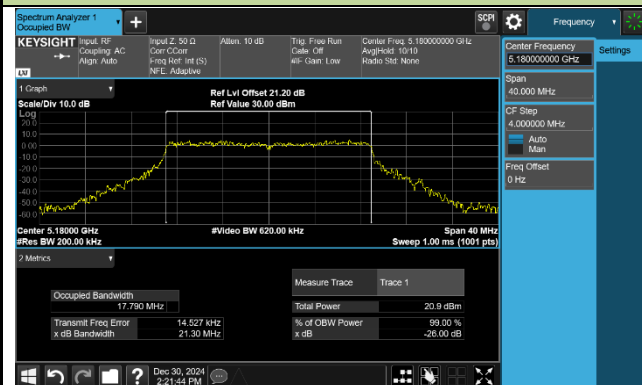
Channel 116 (5580MHz)



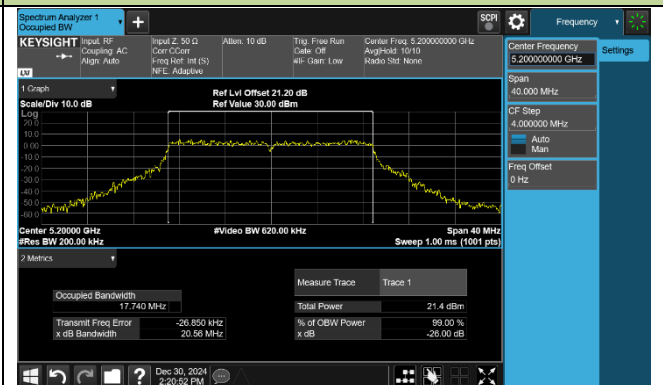


802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth

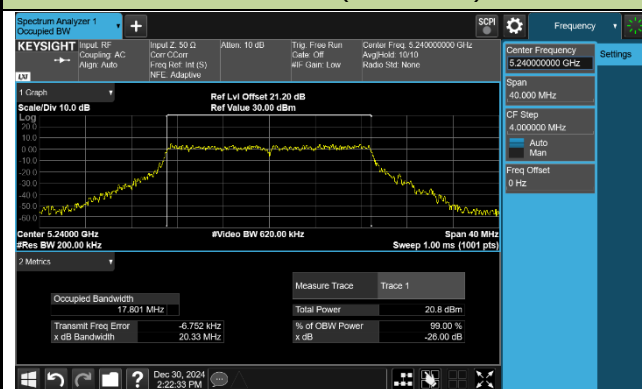
Channel 36 (5180MHz)



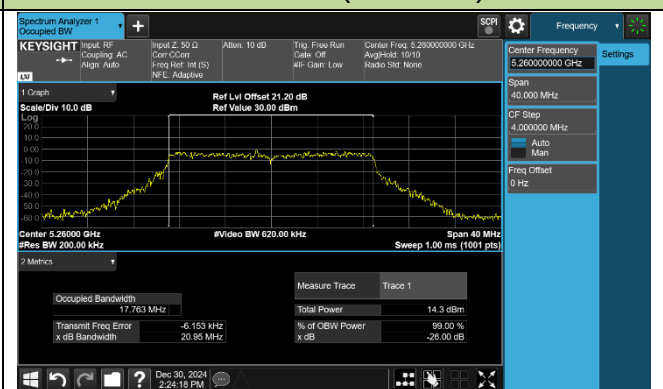
Channel 40 (5200MHz)



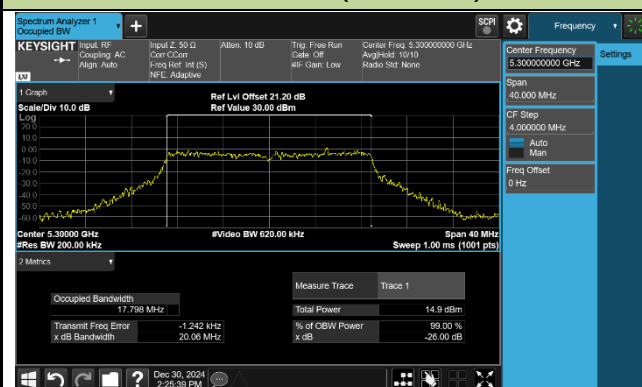
Channel 48 (5240MHz)



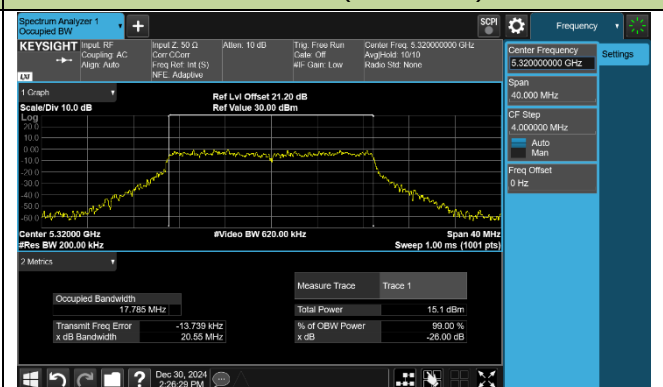
Channel 52 (5260MHz)



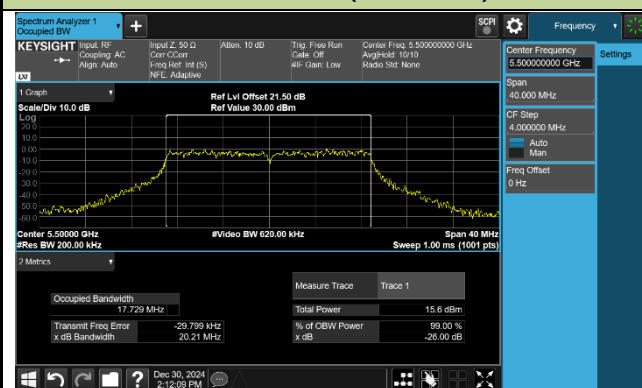
Channel 60 (5300MHz)



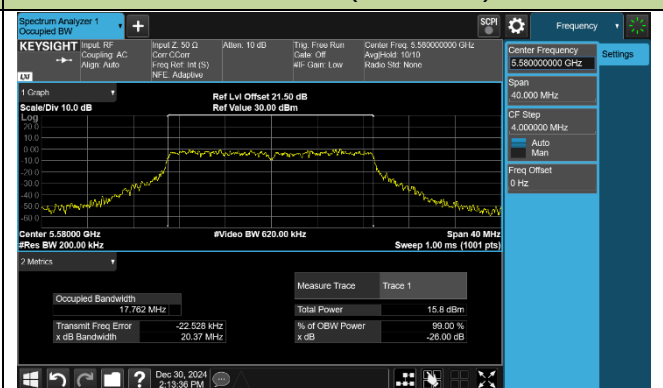
Channel 64 (5320MHz)

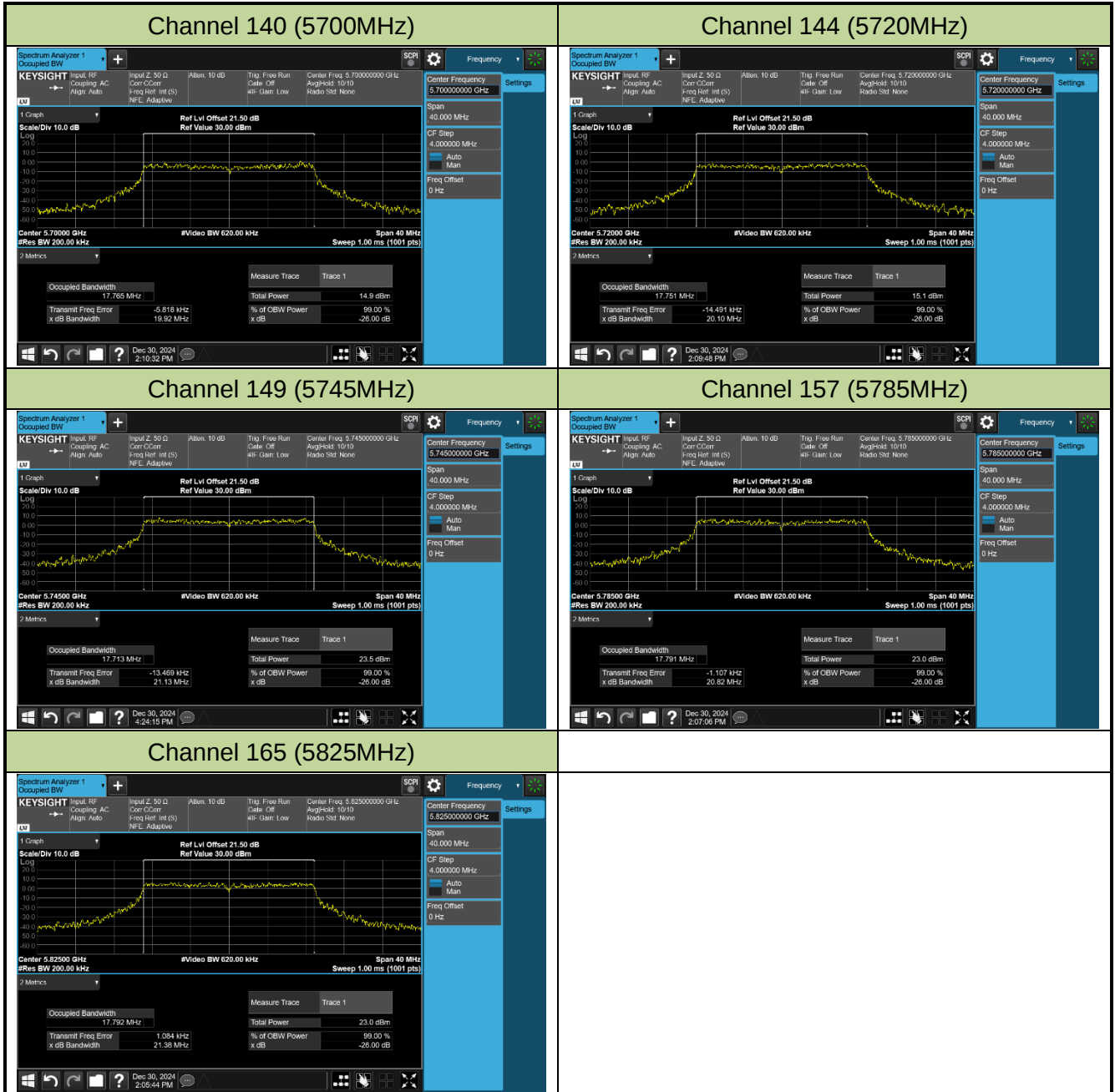


Channel 100 (5500MHz)



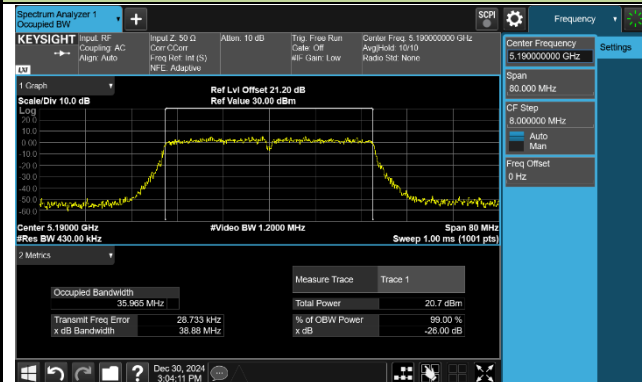
Channel 116 (5580MHz)



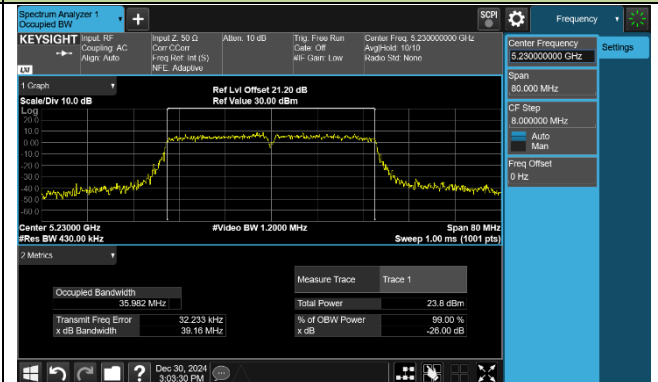


802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth

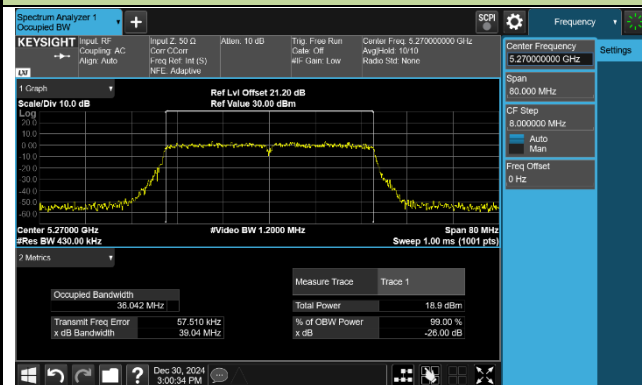
Channel 38 (5190MHz)



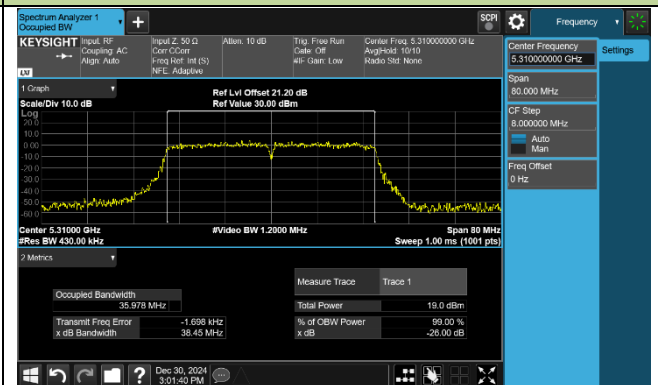
Channel 46 (5230MHz)



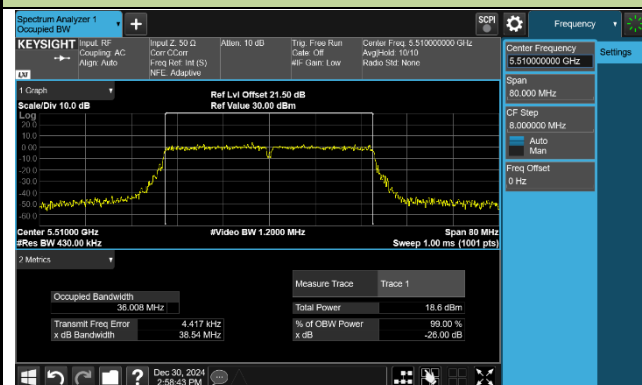
Channel 54 (5270MHz)



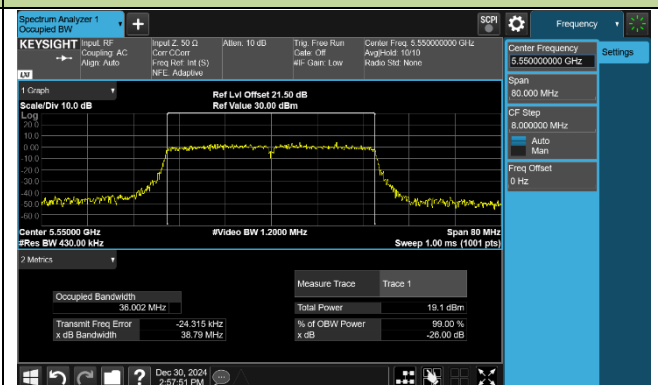
Channel 62 (5310MHz)



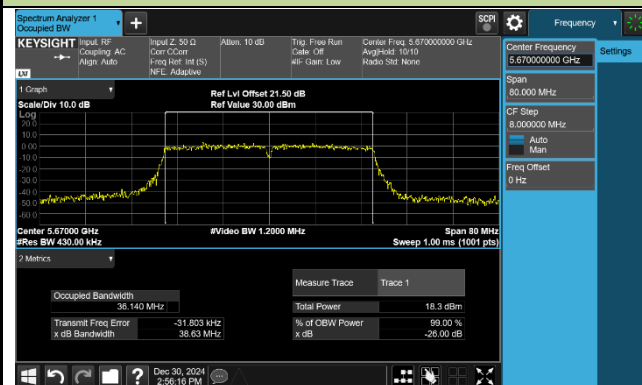
Channel 102 (5510MHz)



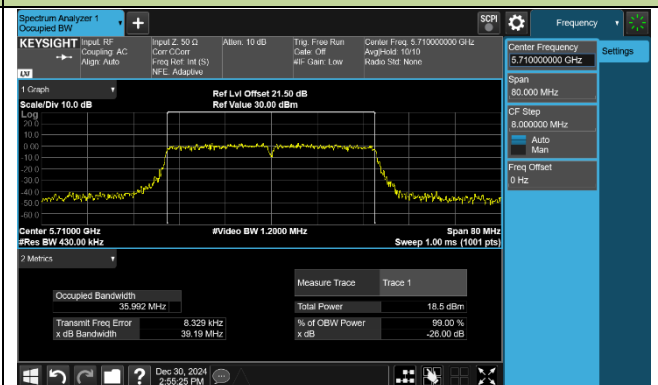
Channel 110 (5550MHz)

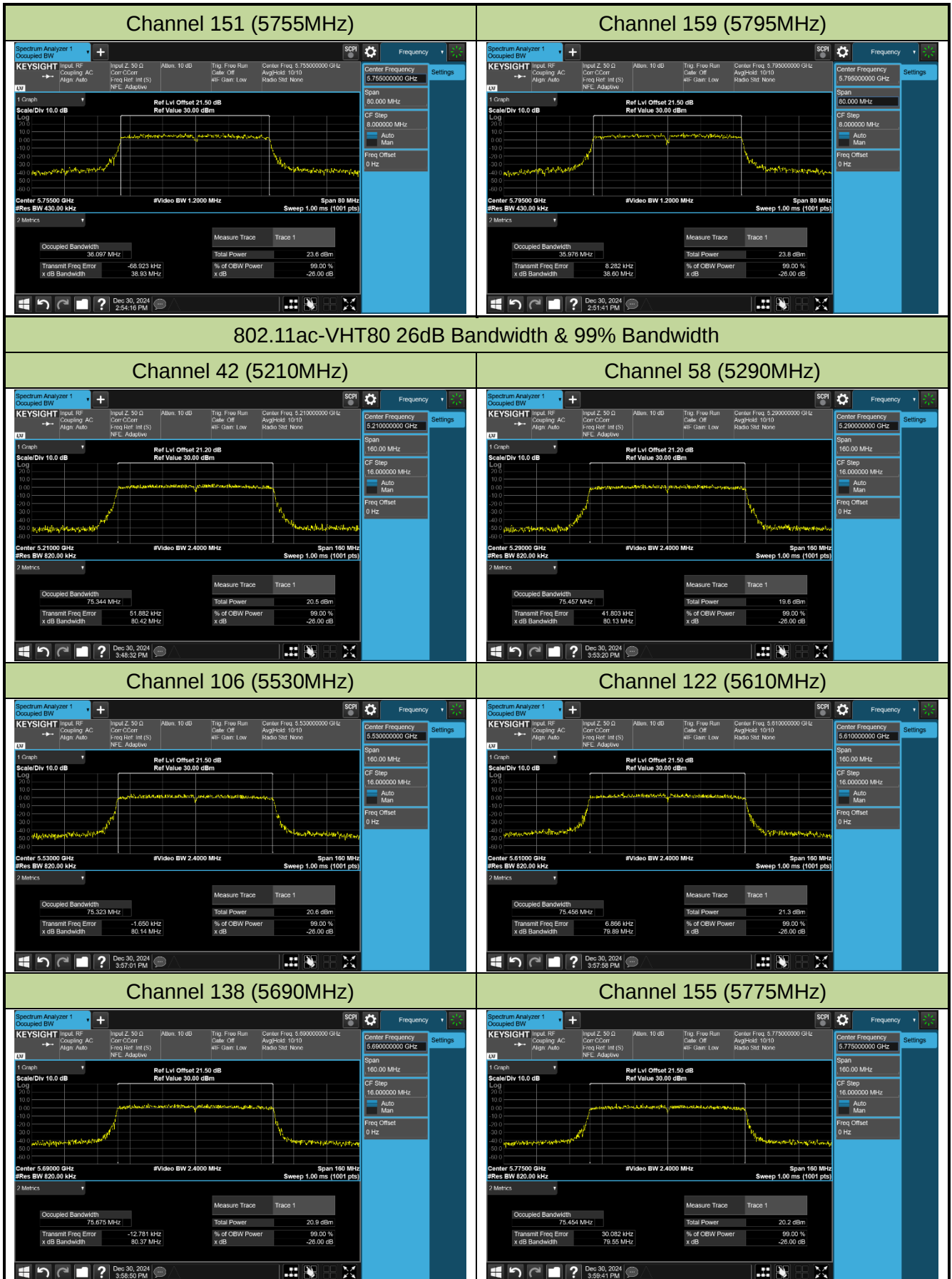


Channel 134 (5670MHz)



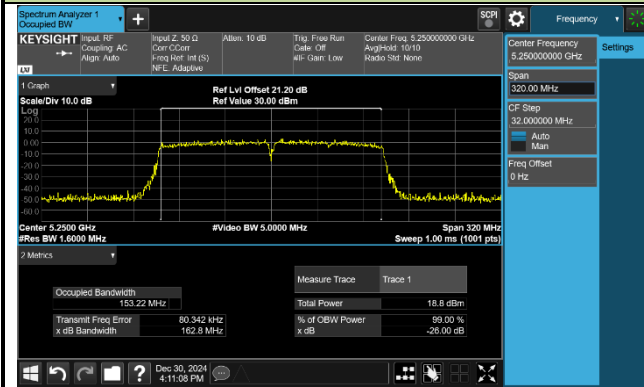
Channel 142 (5710MHz)



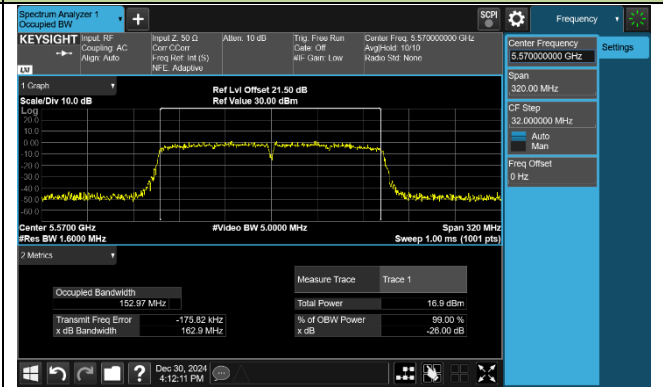


802.11ac-VHT160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

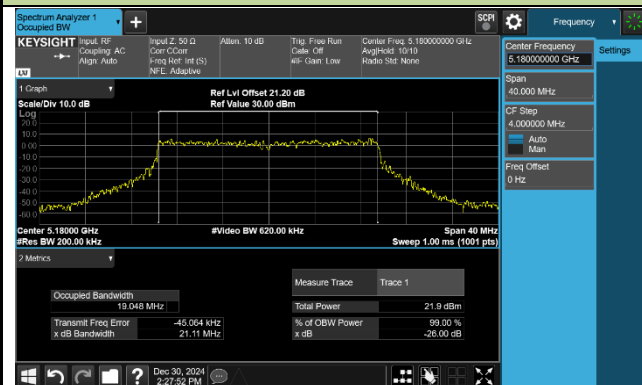


Channel 114 (5570MHz)

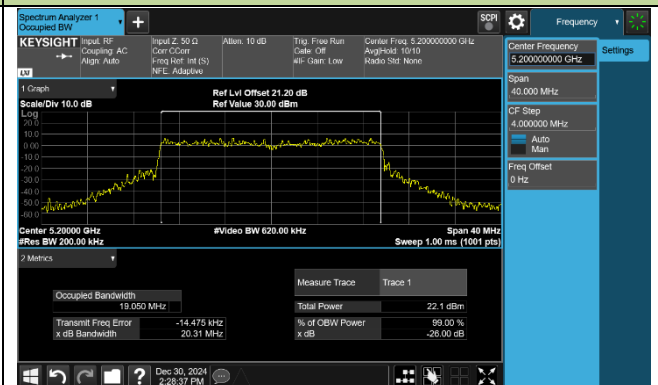


802.11ax-HE20 26dB Bandwidth & 99% Bandwidth

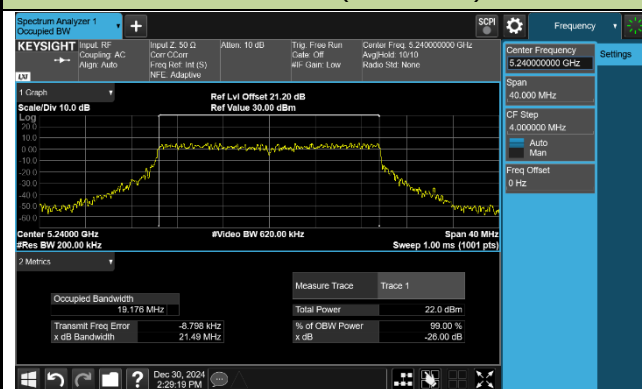
Channel 36 (5180MHz)



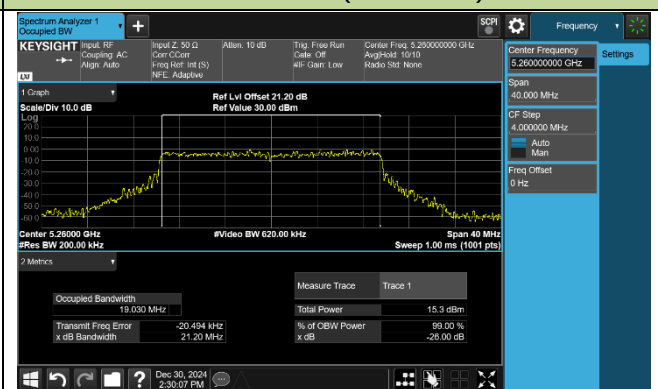
Channel 40 (5200MHz)



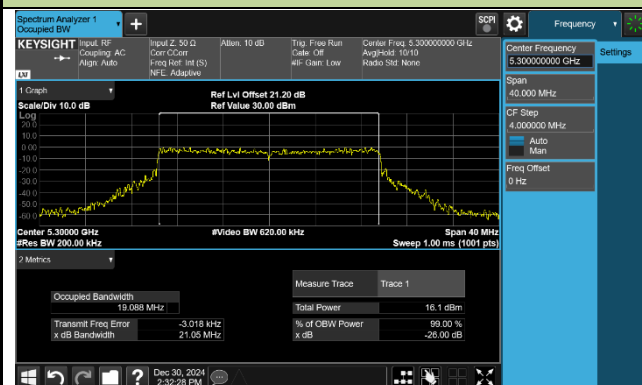
Channel 48 (5240MHz)



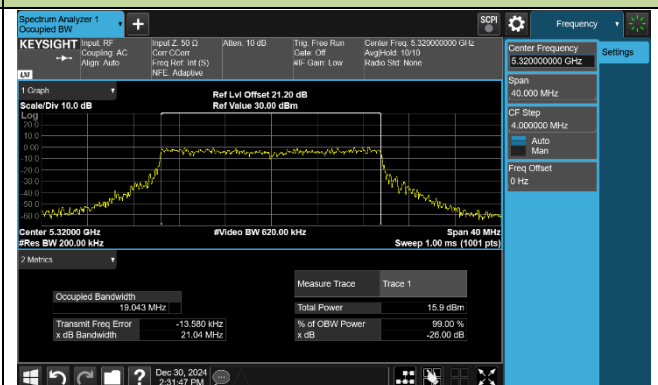
Channel 52 (5260MHz)



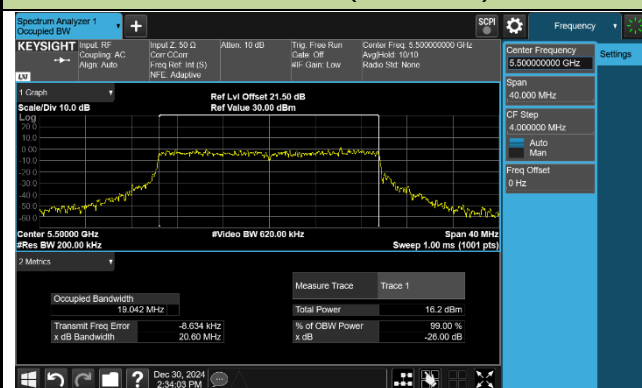
Channel 60 (5300MHz)



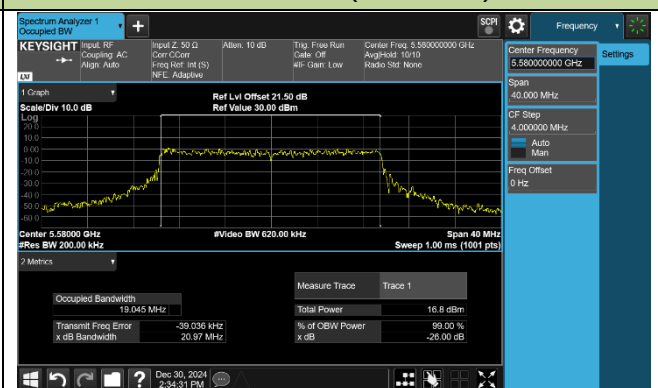
Channel 64 (5320MHz)

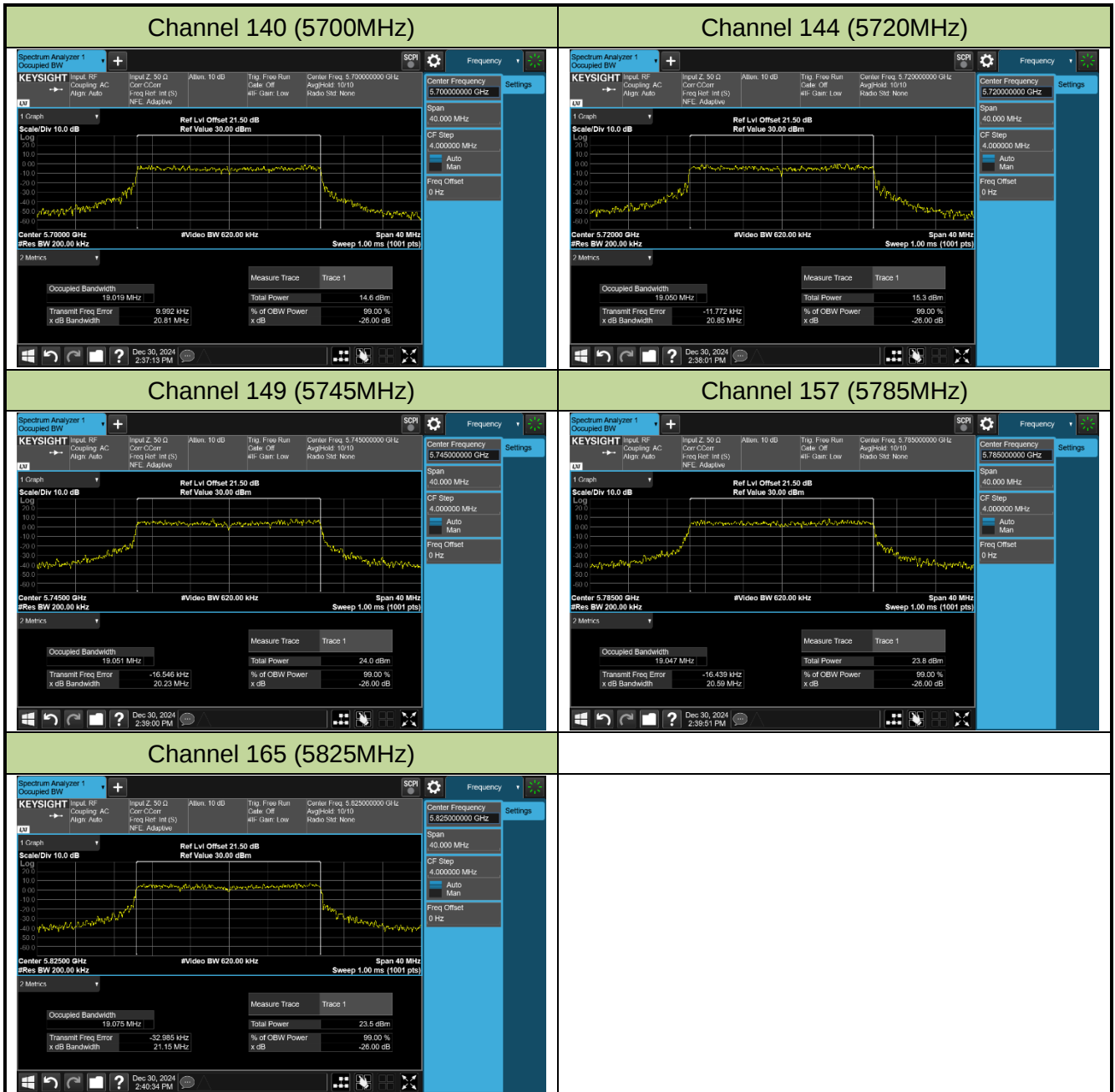


Channel 100 (5500MHz)



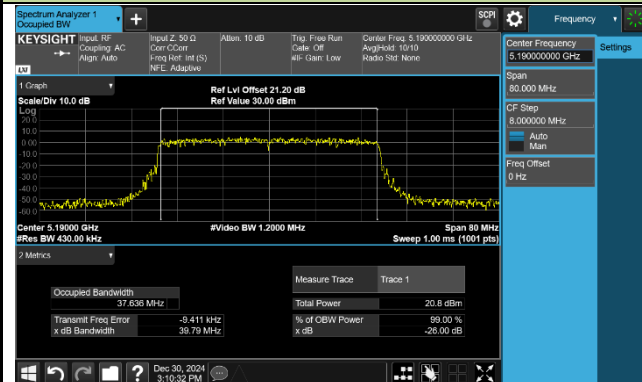
Channel 116 (5580MHz)



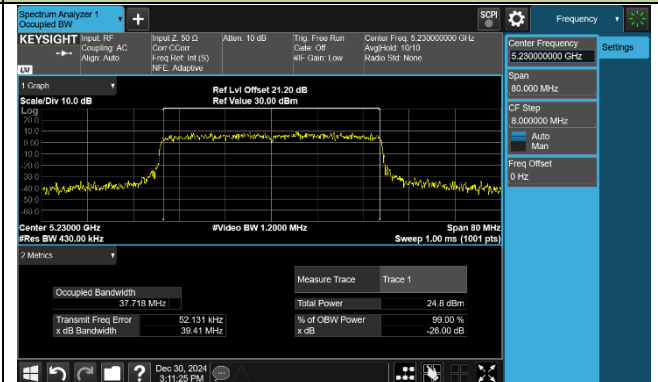


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

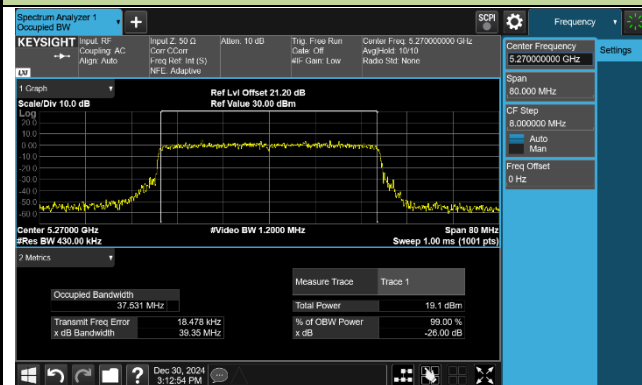
Channel 38 (5190MHz)



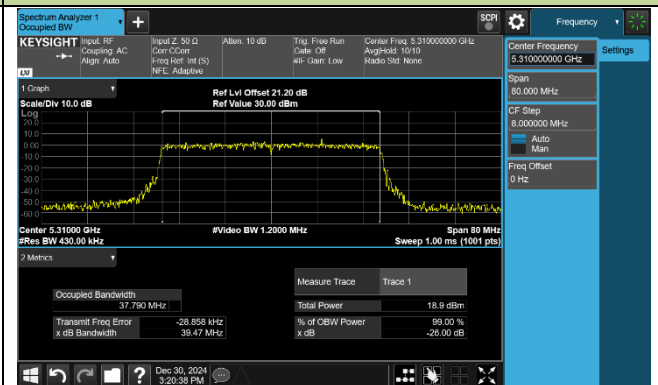
Channel 46 (5230MHz)



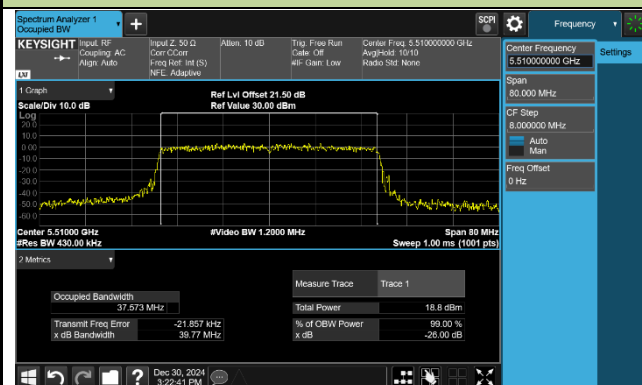
Channel 54 (5270MHz)



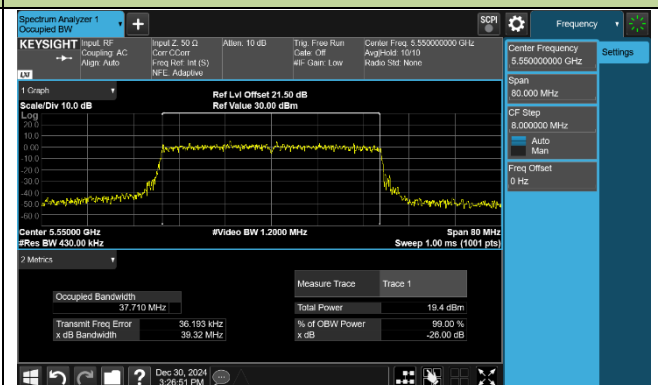
Channel 62 (5310MHz)



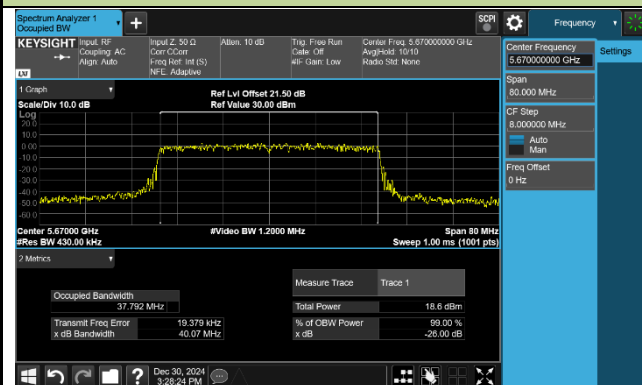
Channel 102 (5510MHz)



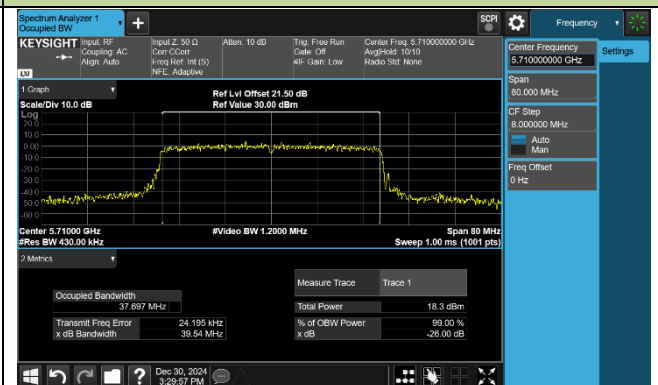
Channel 110 (5550MHz)

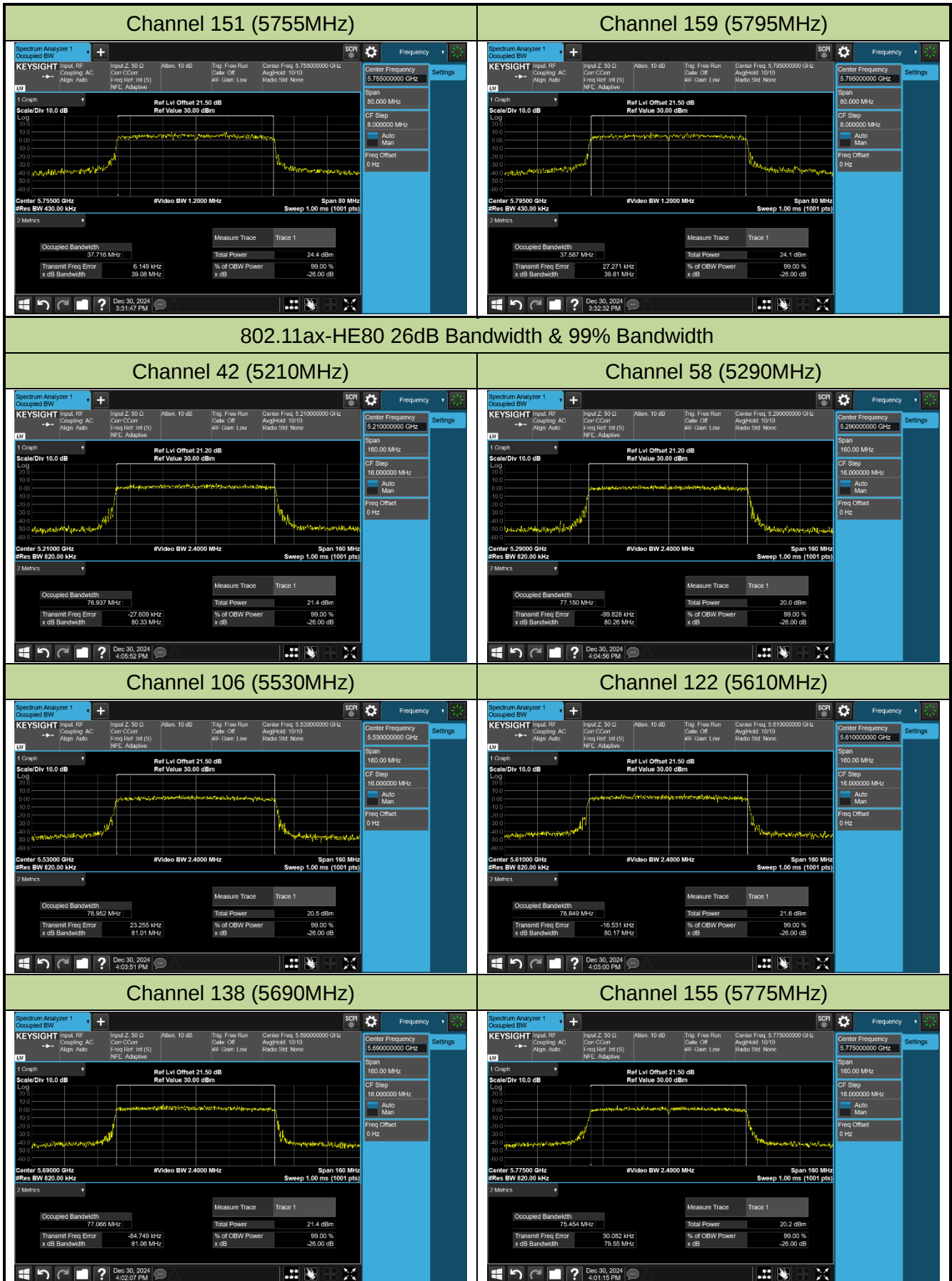


Channel 134 (5670MHz)



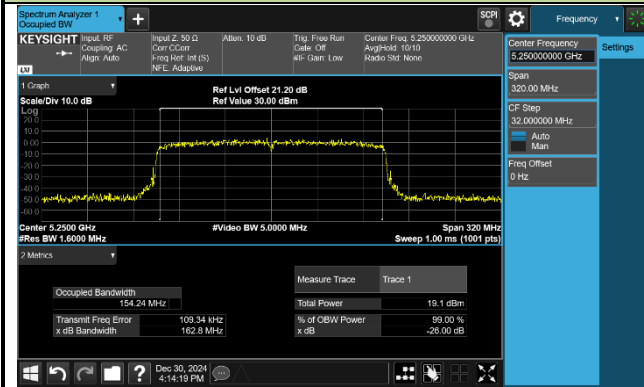
Channel 142 (5710MHz)



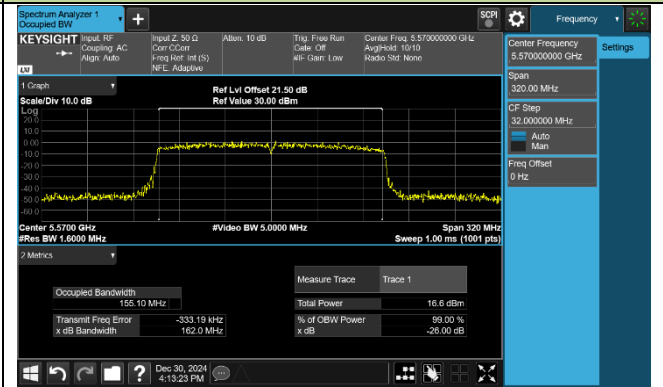


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)



Channel 114 (5570MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

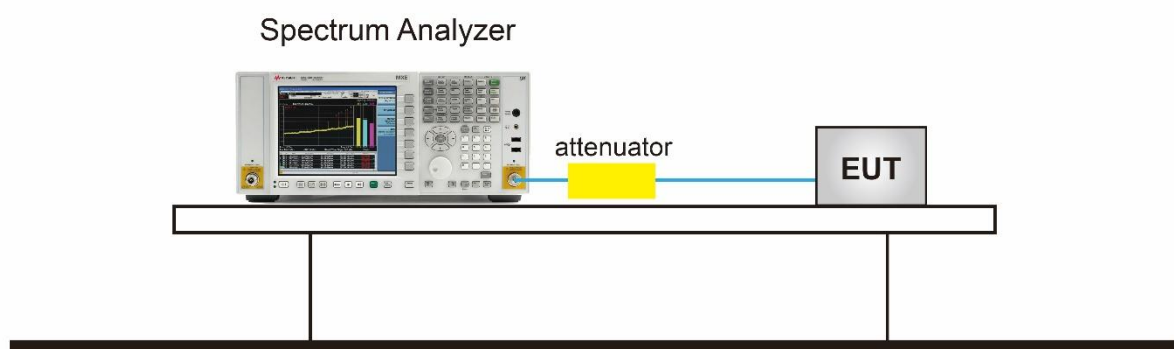
7.3.2. Test Procedure used

KDB 789033 D02v02r01- Section C.2

7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW $3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3.4. Test Setup



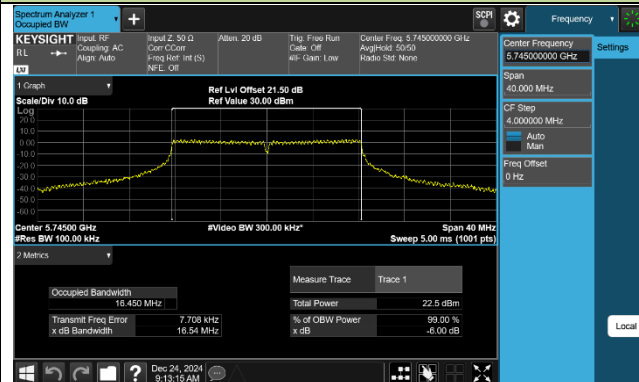
7.3.5.TestResult

Product	AX3000 Indoor/Outdoor Wi-Fi 6 Access Point	Test Engineer	Peter
Test Site	SR6	Test Date	2024/12/24

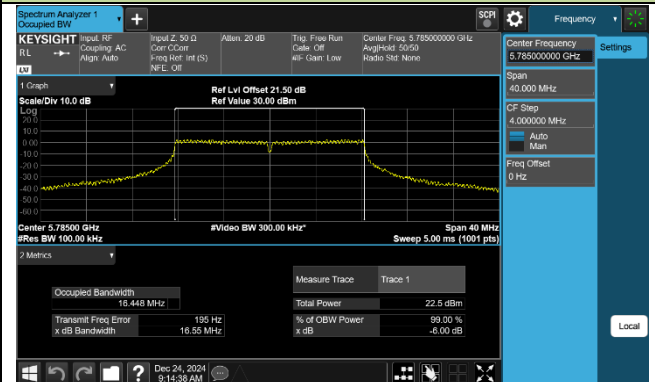
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Wi-Fi Antenna_Low Gain						
802.11a	6Mbps	149	5745	16.540	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.550	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.560	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.800	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.810	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.790	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.510	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.490	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.510	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	19.200	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	19.190	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	19.190	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	38.210	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.190	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	78.170	≥ 0.5	Pass

802.11a 6dB Bandwidth

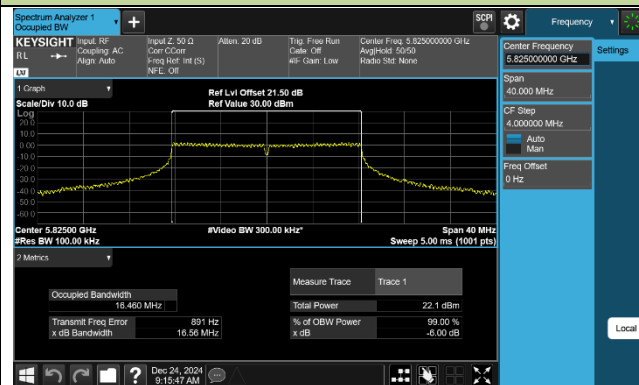
Channel 149 (5745MHz)



Channel 157 (5785MHz)

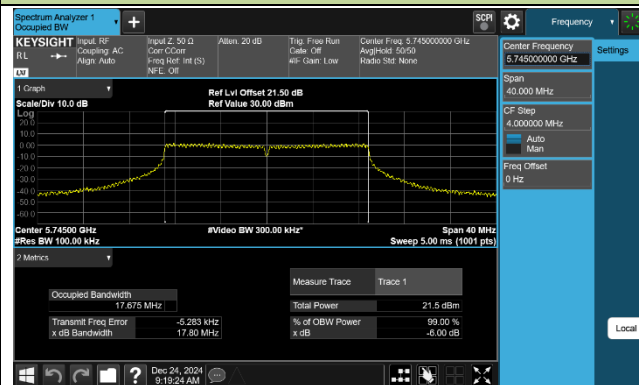


Channel 165 (5825MHz)

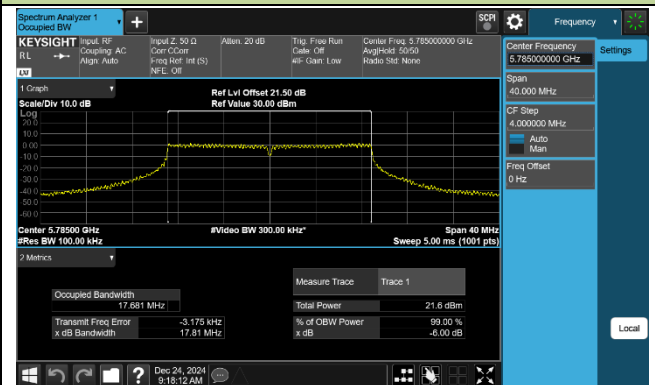


802.11ac-VHT20 6dB Bandwidth

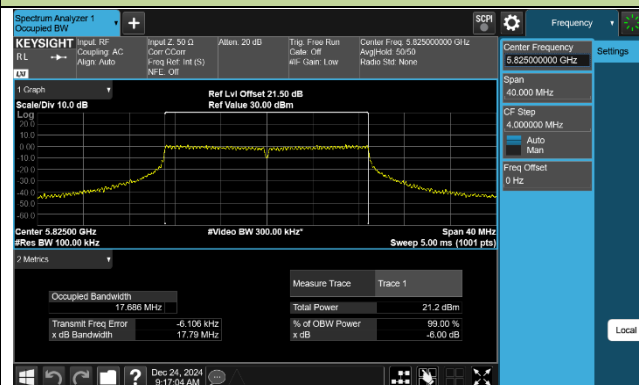
Channel 149 (5745MHz)



Channel 157 (5785MHz)

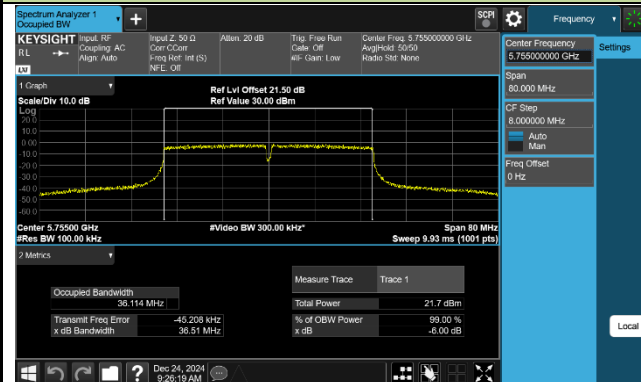


Channel 165 (5825MHz)

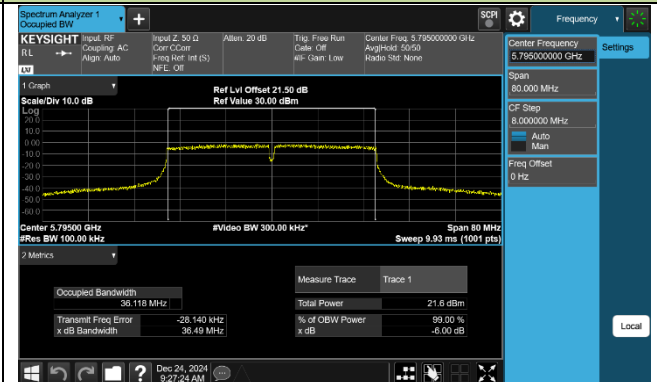


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

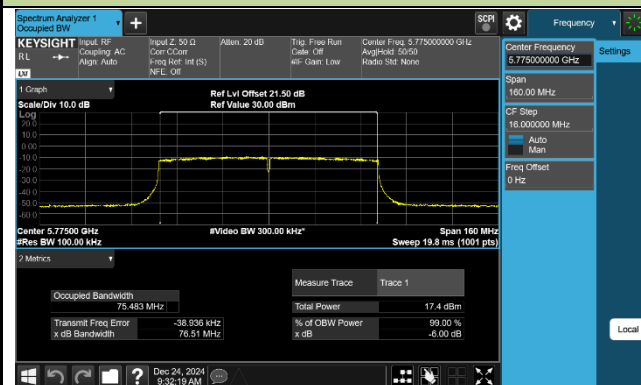


Channel 159 (5795MHz)



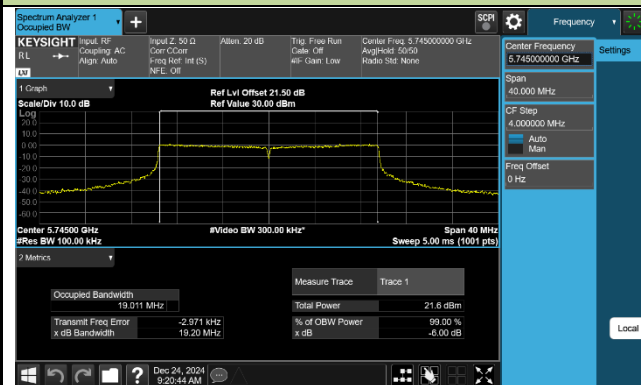
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)



802.11ax-HE20 6dB Bandwidth

Channel 149 (5745MHz)



Channel 157 (5785MHz)

