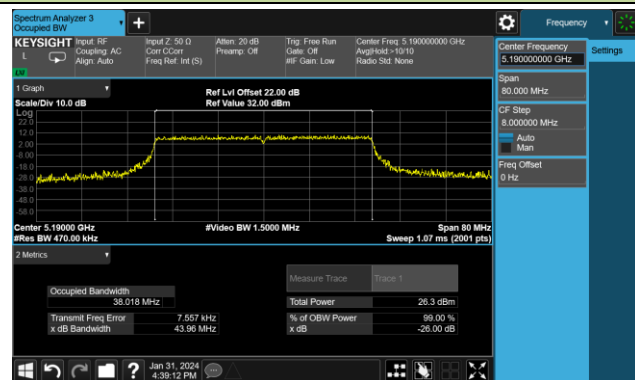
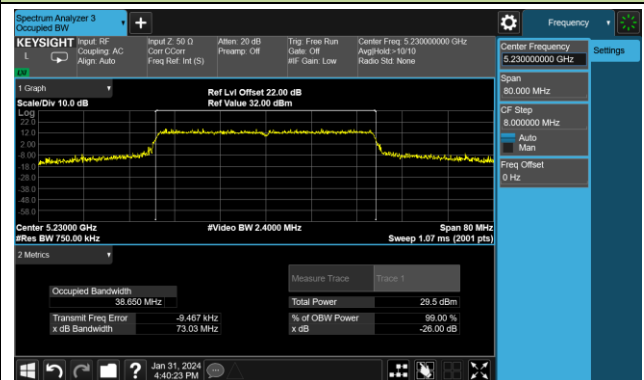


802.11ax-HE40 26dB Bandwidth

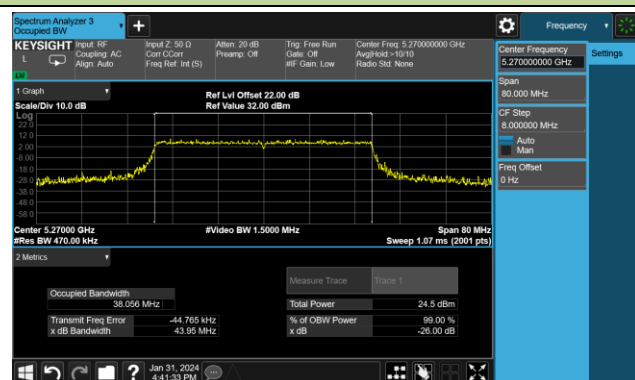
Channel 38 (5190MHz)



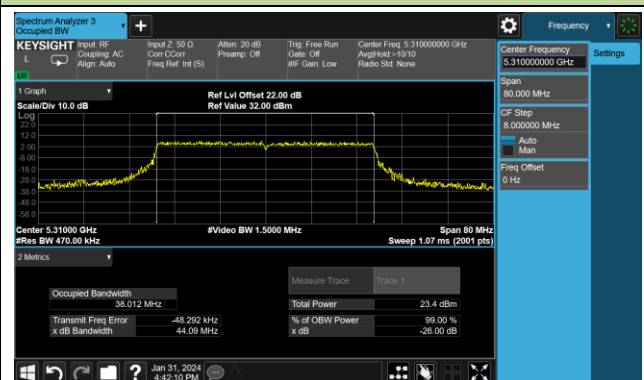
Channel 46 (5230MHz)



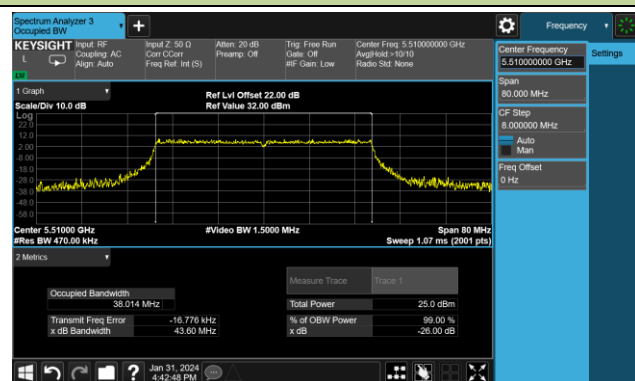
Channel 54 (5270MHz)



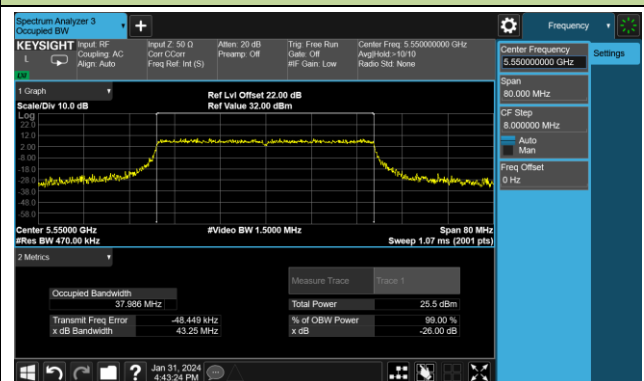
Channel 62 (5310MHz)



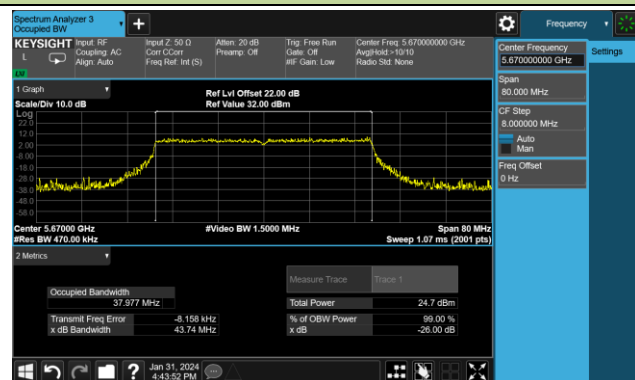
Channel 102 (5510MHz)



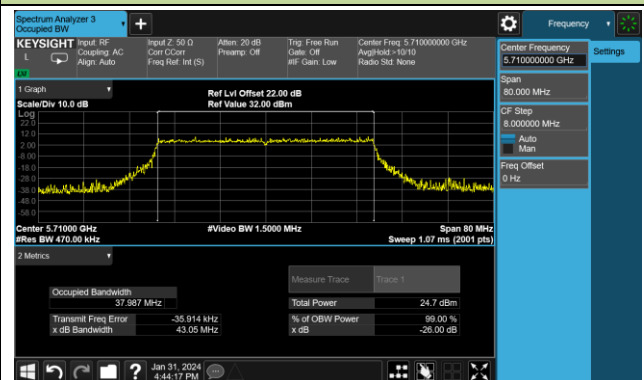
Channel 110 (5550MHz)

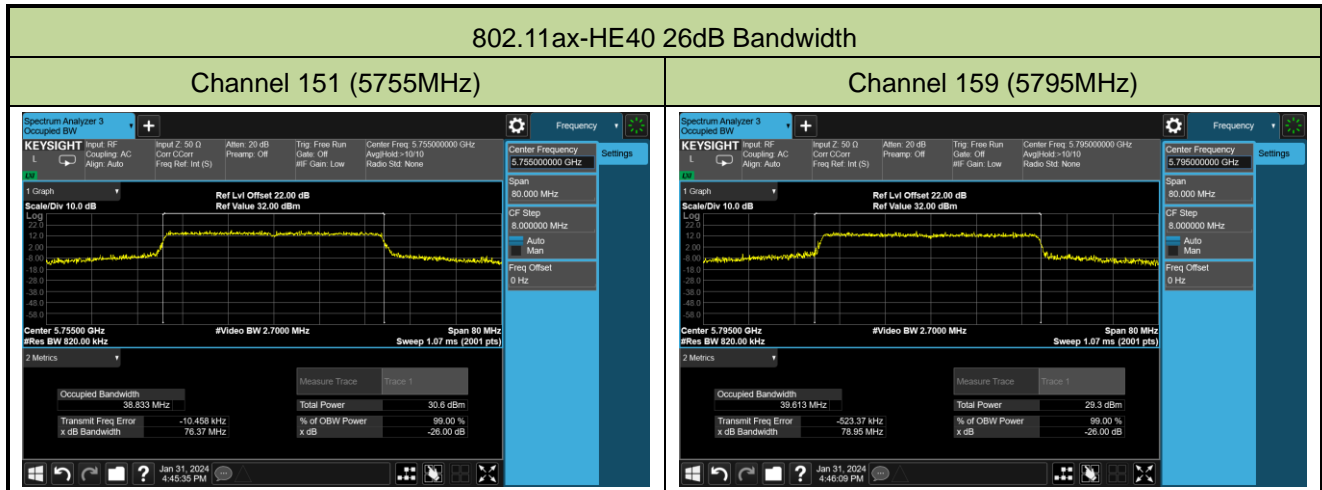


Channel 134 (5670MHz)



Channel 142 (5710MHz)



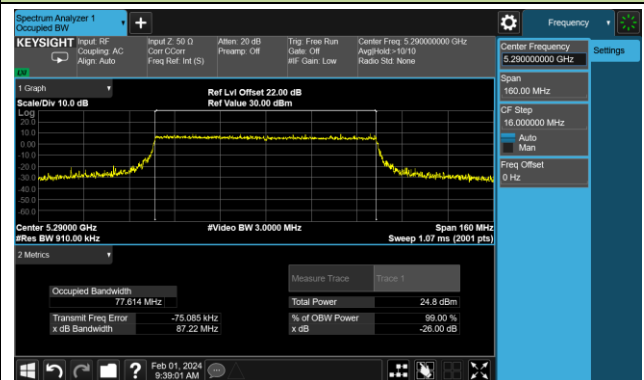


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

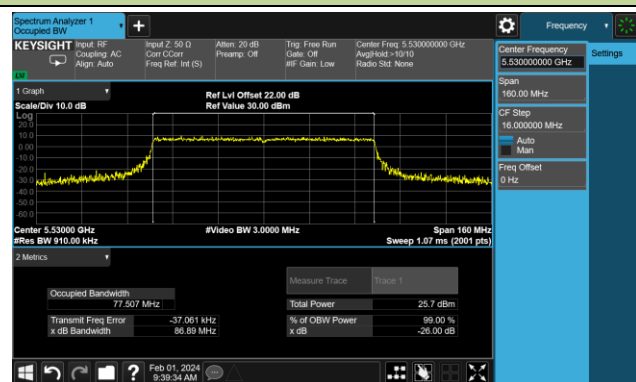
Channel 42 (5210MHz)



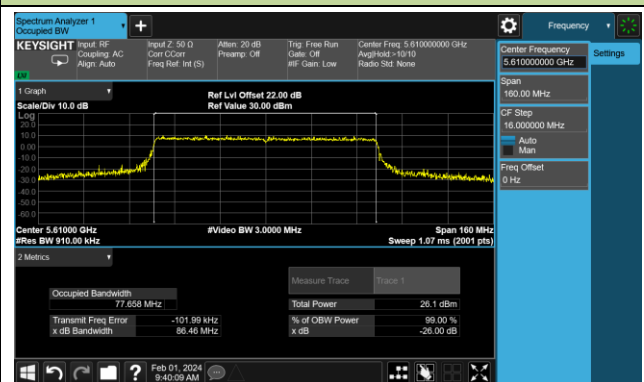
Channel 58 (5290MHz)



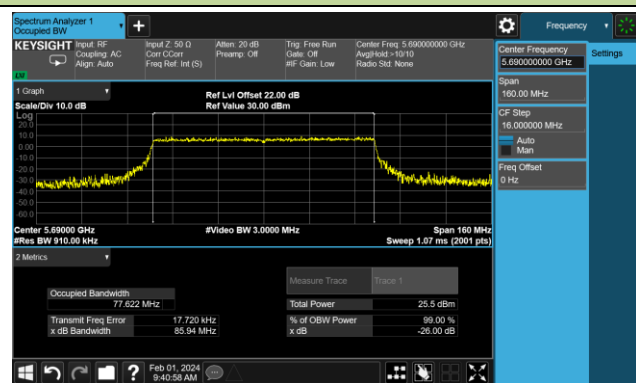
Channel 106 (5530MHz)



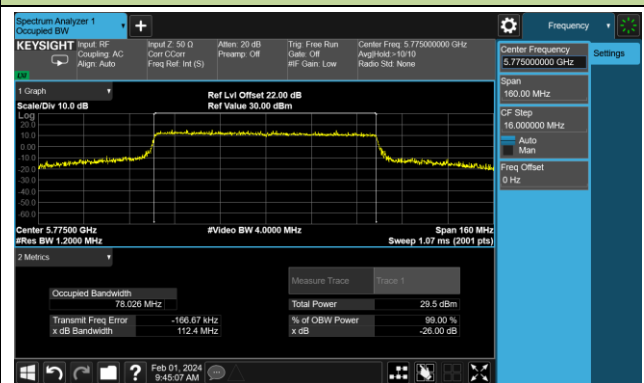
Channel 122 (5610MHz)

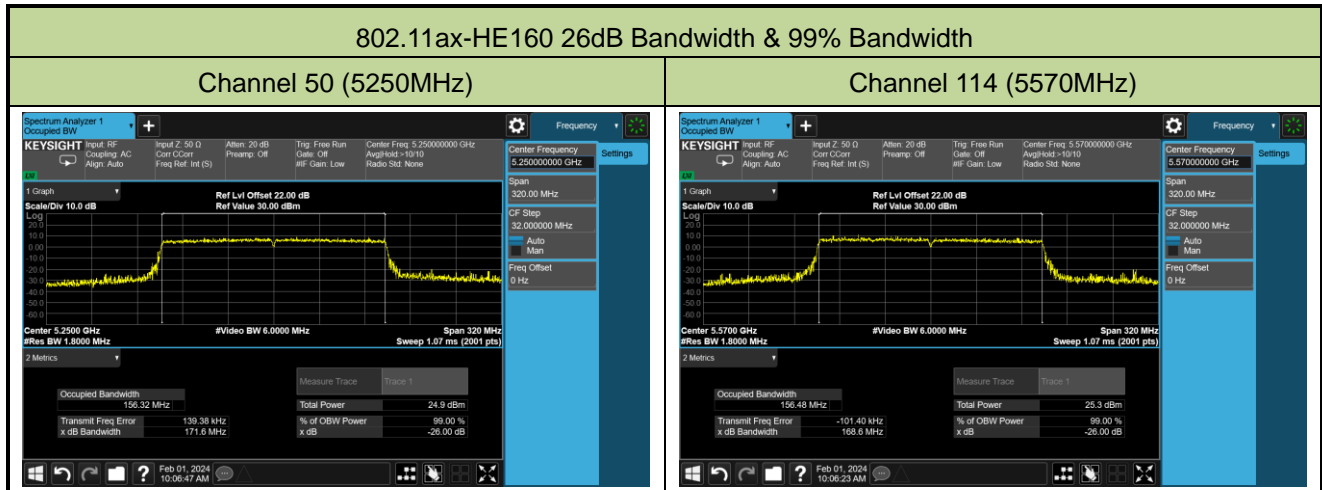


Channel 138 (5690MHz)



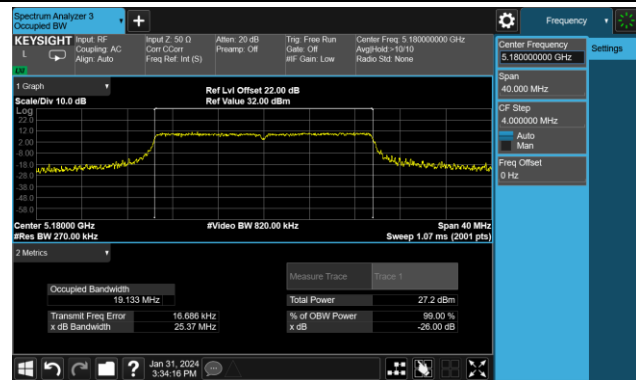
Channel 155 (5775MHz)



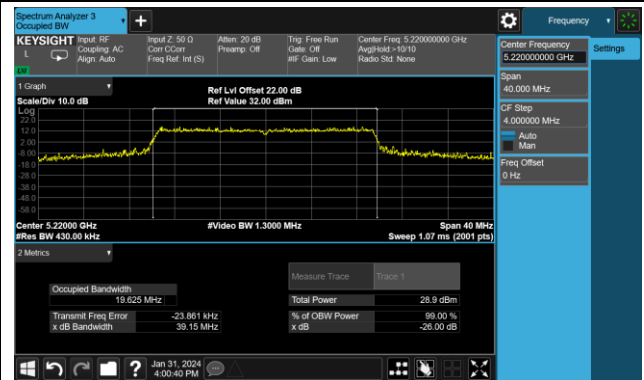


802.11be-EHT20 26dB Bandwidth

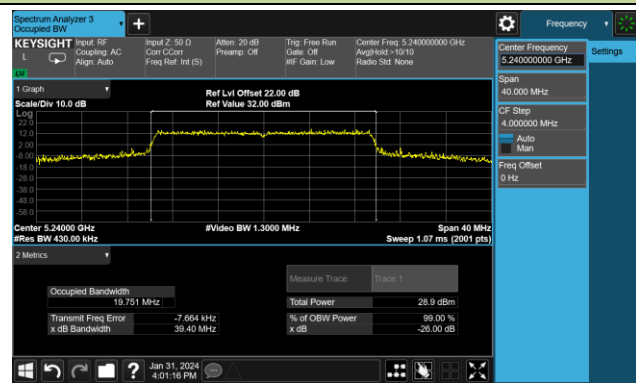
Channel 36 (5180MHz)



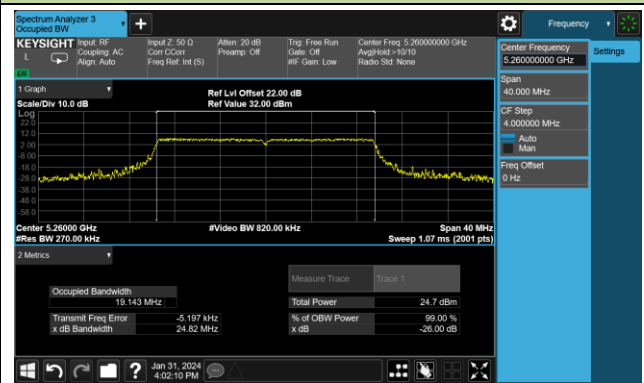
Channel 44 (5220MHz)



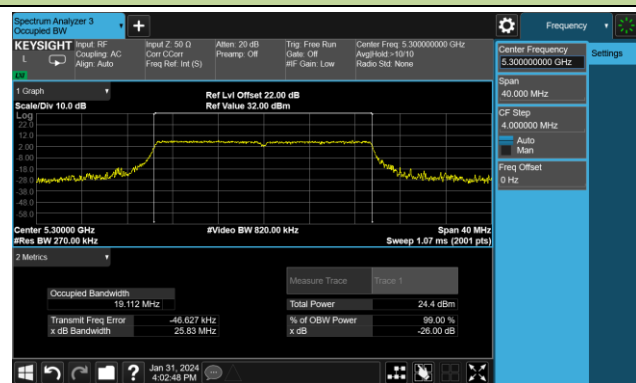
Channel 48 (5240MHz)



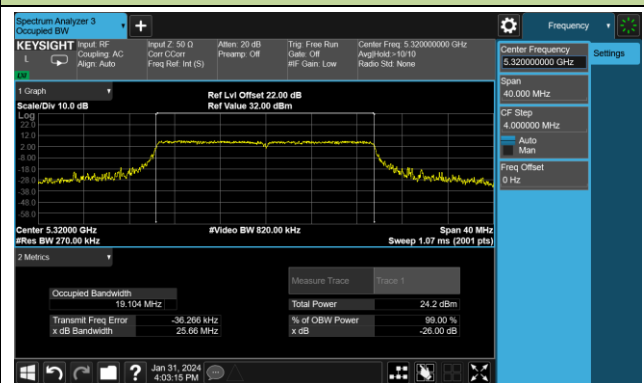
Channel 52 (5260MHz)



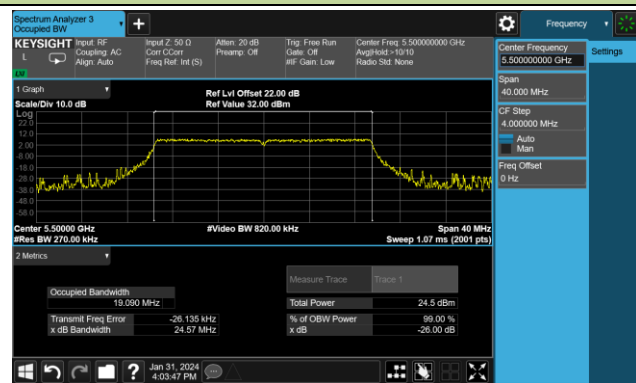
Channel 60 (5300MHz)



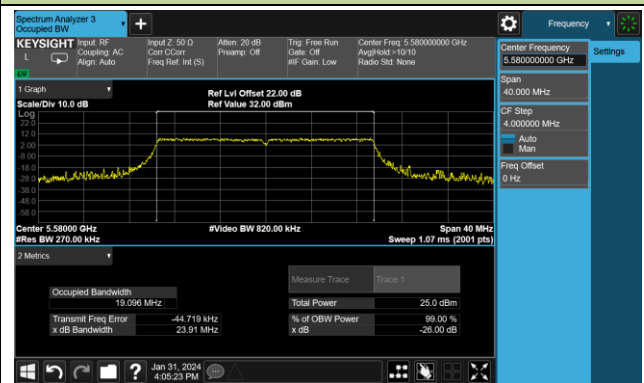
Channel 64 (5320MHz)



Channel 100 (5500MHz)

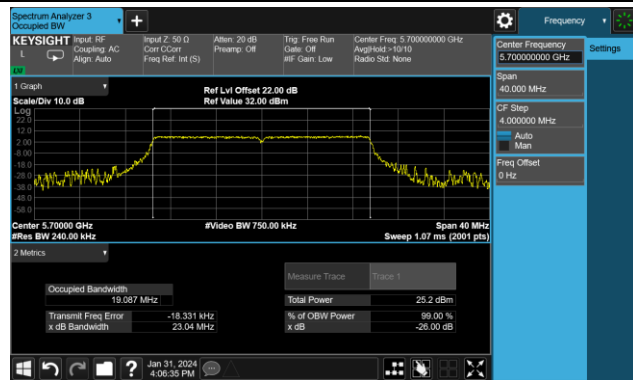


Channel 116 (5580MHz)

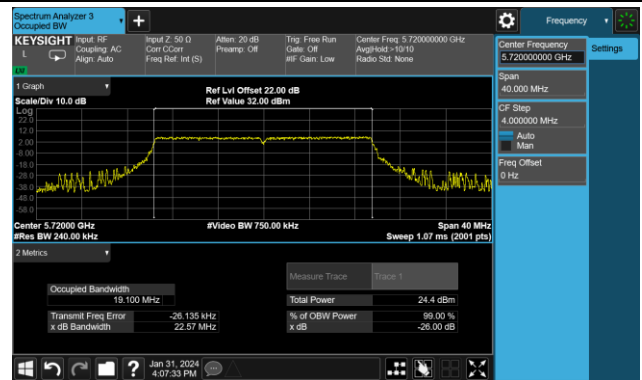


802.11be-EHT20 26dB Bandwidth

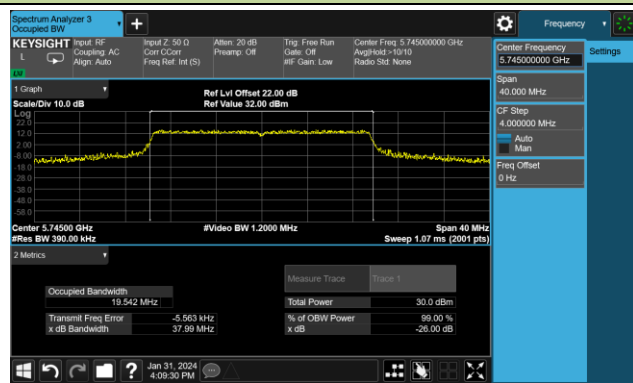
Channel 140 (5700MHz)



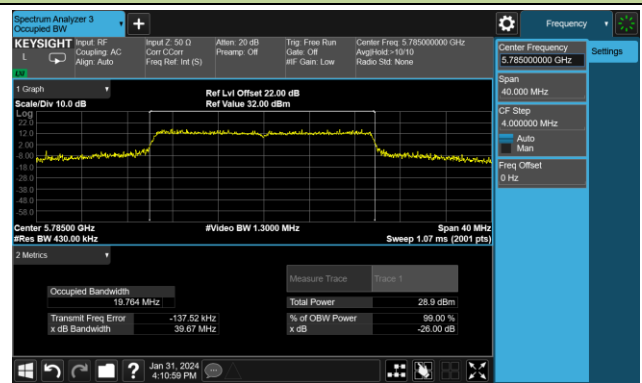
Channel 144(5720MHz)



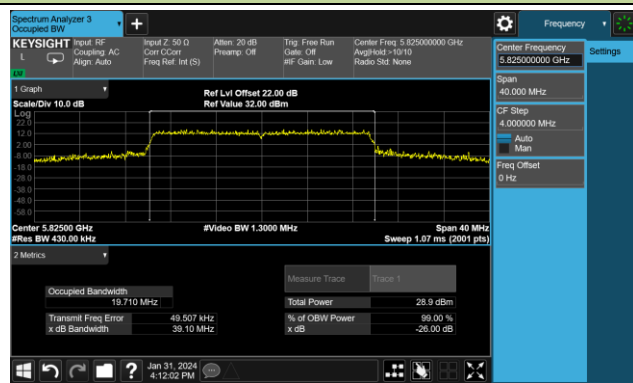
Channel 149 (5745MHz)



Channel 157 (5785MHz)

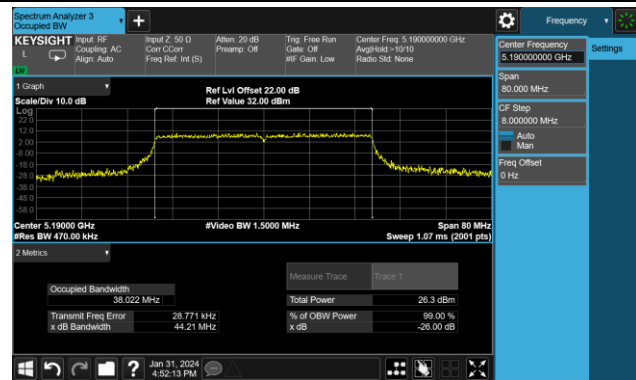


Channel 165 (5825MHz)

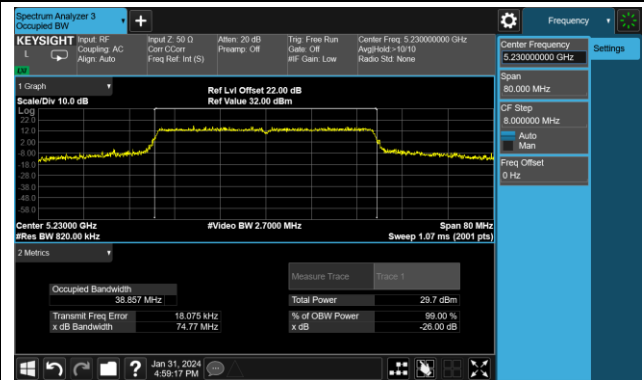


802.11be-EHT40 26dB Bandwidth

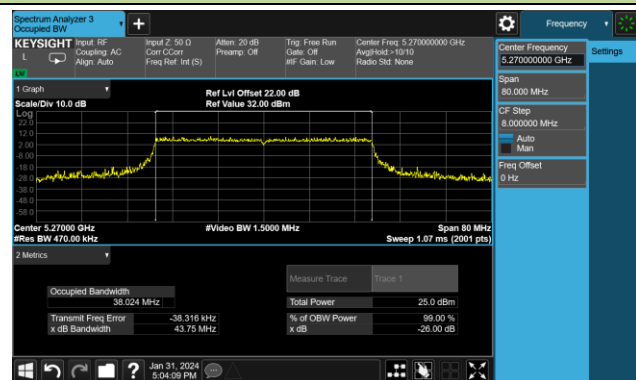
Channel 38 (5190MHz)



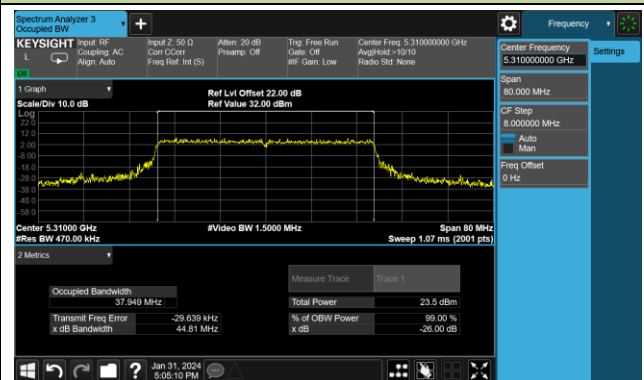
Channel 46 (5230MHz)



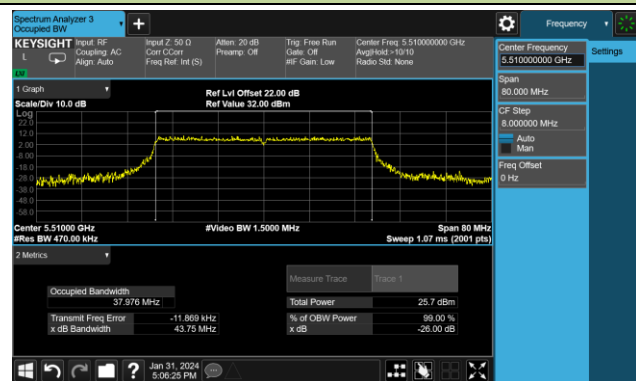
Channel 54 (5270MHz)



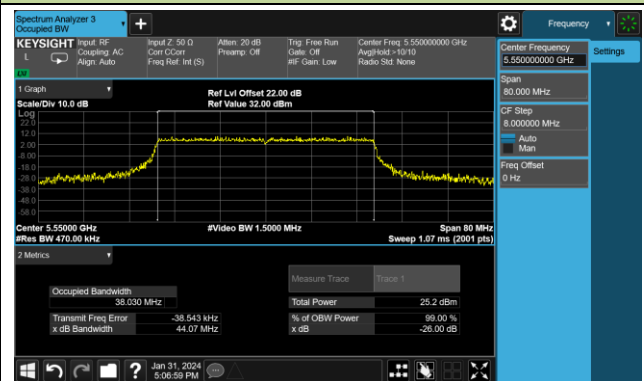
Channel 62 (5310MHz)



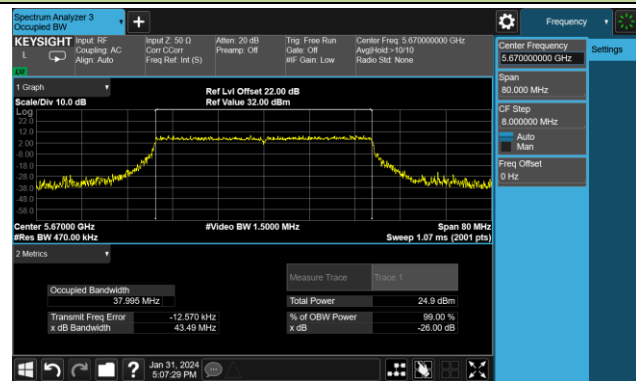
Channel 102 (5510MHz)



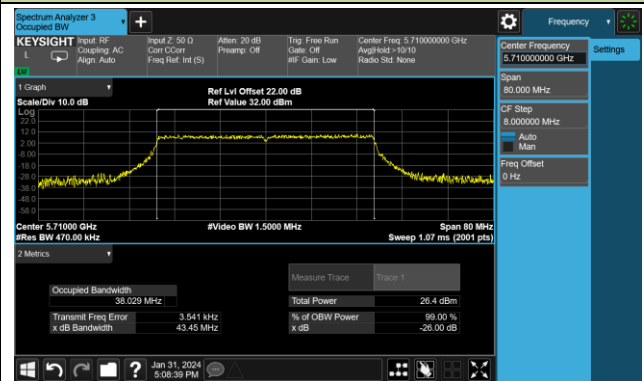
Channel 110 (5550MHz)

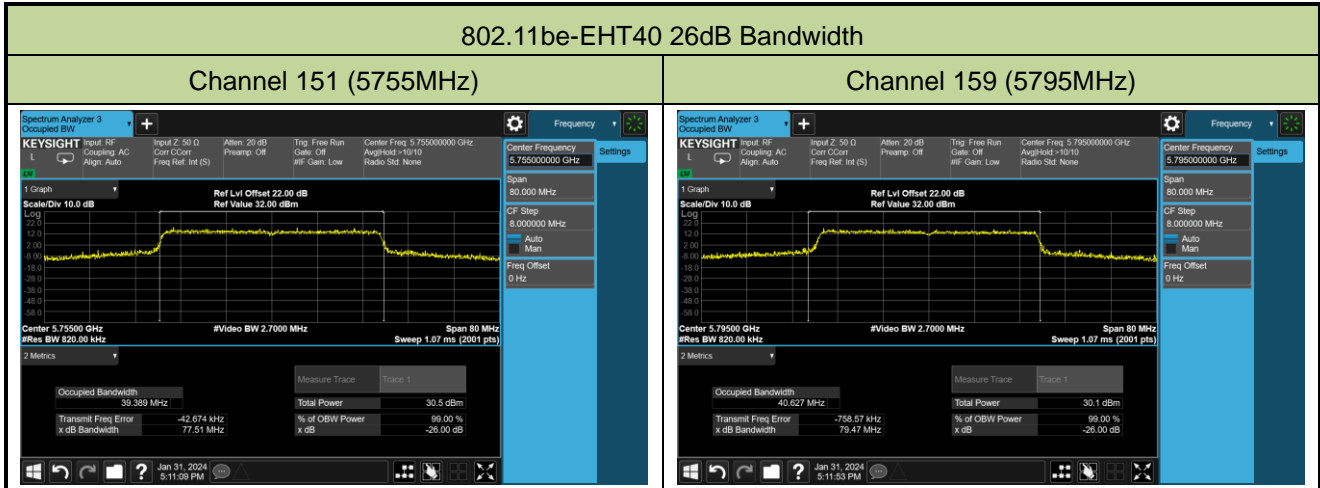


Channel 134 (5670MHz)

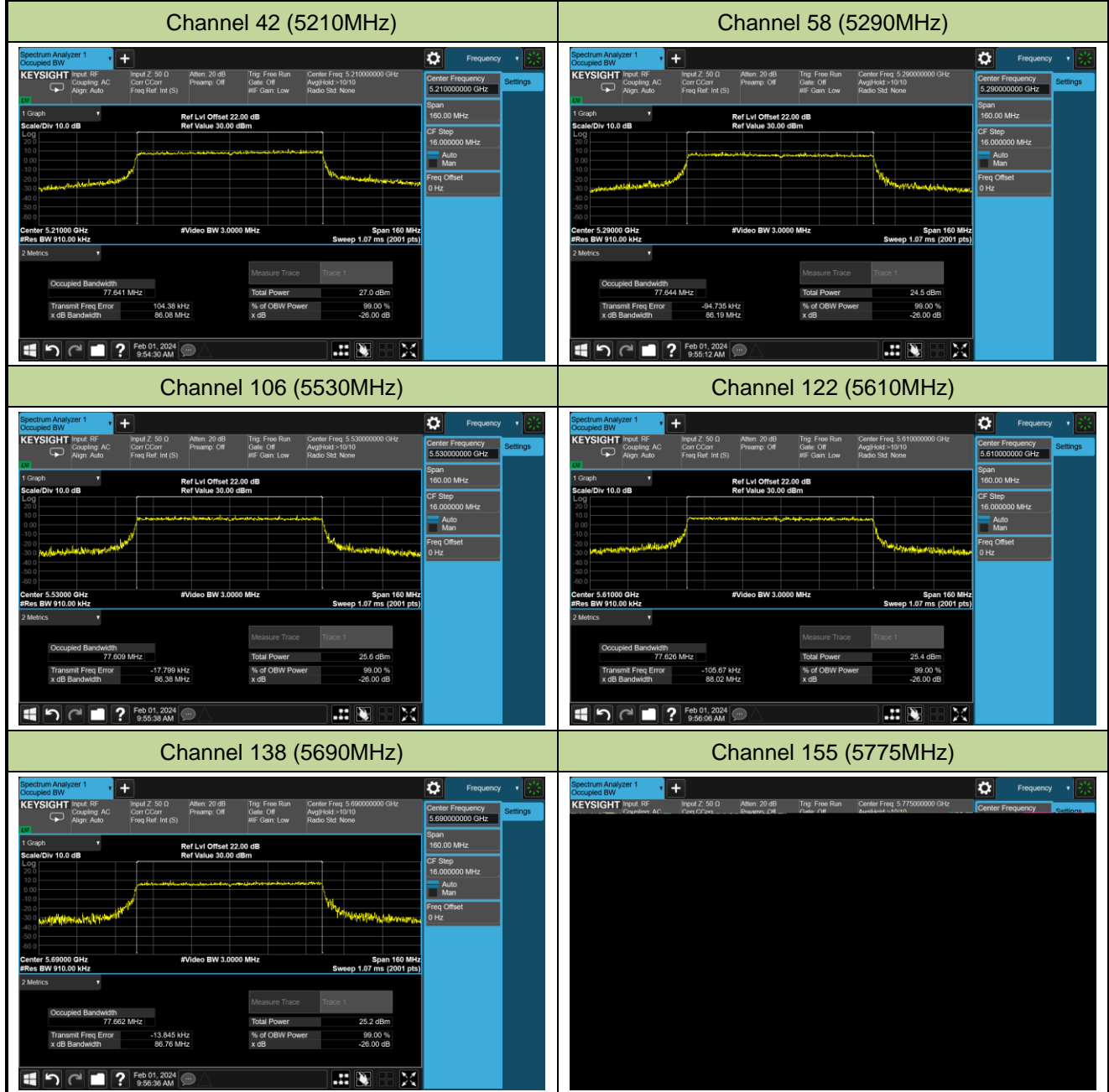


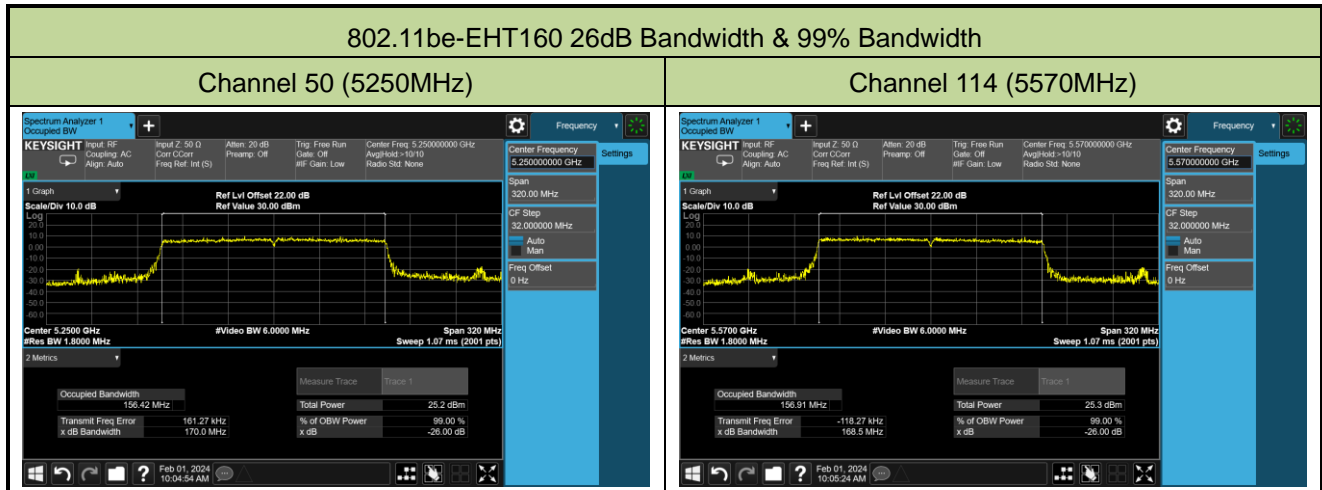
Channel 142 (5710MHz)





802.11be-EHT80 26dB Bandwidth & 99% Bandwidth





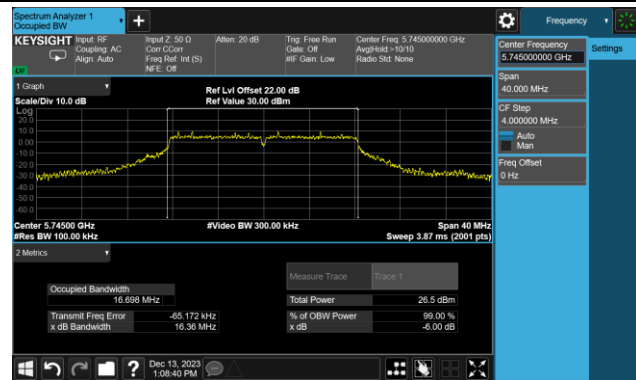
A.3 6dB Bandwidth Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2023-12-13		

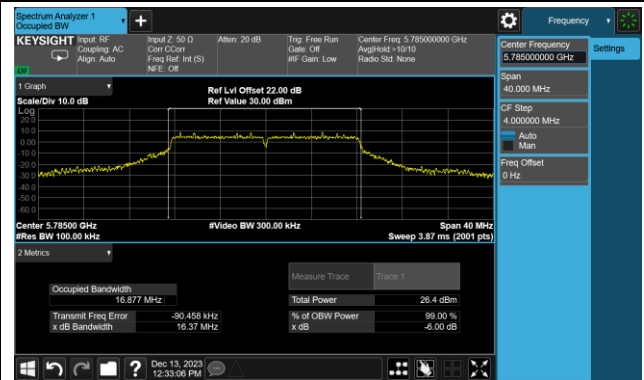
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	16.36	≥0.5
11a	6Mbps	157	5785	16.37	≥0.5
11a	6Mbps	165	5825	16.39	≥0.5
11ac-VHT20	MCS0	149	5745	17.64	≥0.5
11ac-VHT20	MCS0	157	5785	17.63	≥0.5
11ac-VHT20	MCS0	165	5825	17.65	≥0.5
11ac-VHT40	MCS0	151	5755	36.39	≥0.5
11ac-VHT40	MCS0	159	5795	36.38	≥0.5
11ac-VHT80	MCS0	155	5775	76.50	≥0.5
11ax-HE20	MCS0	149	5745	19.09	≥0.5
11ax-HE20	MCS0	157	5785	18.97	≥0.5
11ax-HE20	MCS0	165	5825	18.98	≥0.5
11ax-HE40	MCS0	151	5755	38.09	≥0.5
11ax-HE40	MCS0	159	5795	38.17	≥0.5
11ax-HE80	MCS0	155	5775	78.02	≥0.5
11be-EHT20	MCS0	149	5745	19.08	≥0.5
11be-EHT20	MCS0	157	5785	19.03	≥0.5
11be-EHT20	MCS0	165	5825	19.02	≥0.5
11be-EHT40	MCS0	151	5755	38.14	≥0.5
11be-EHT40	MCS0	159	5795	38.11	≥0.5
11be-EHT80	MCS0	155	5775	78.07	≥0.5

802.11a 6dB Bandwidth

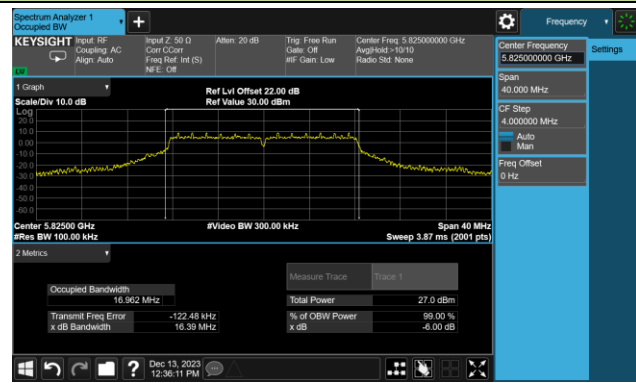
Channel 149 (5745MHz)



Channel 157 (5785MHz)

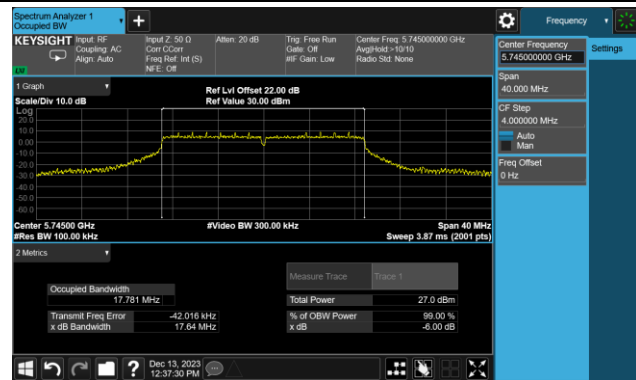


Channel 165 (5825MHz)

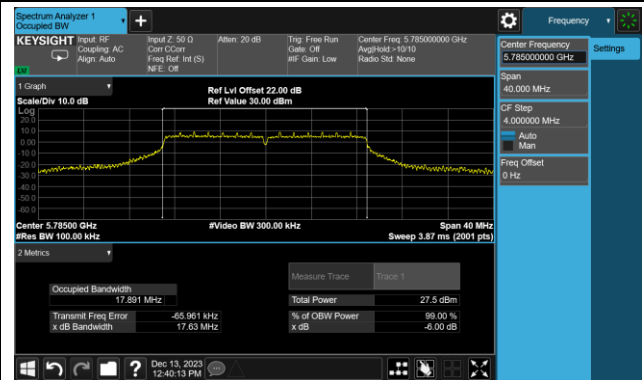


802.11ac-VHT20 6dB Bandwidth

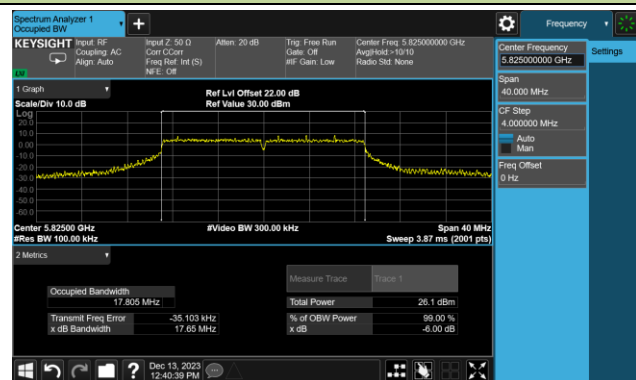
Channel 149 (5745MHz)



Channel 157 (5785MHz)

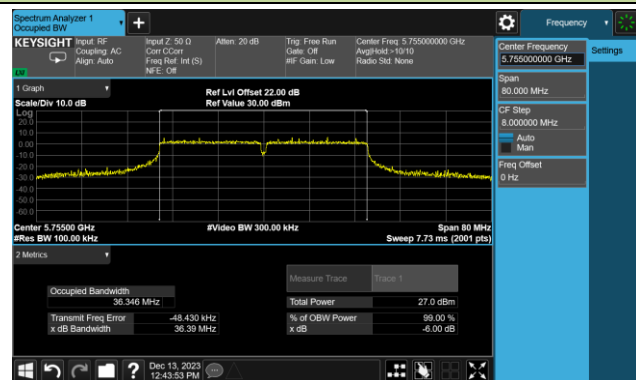


Channel 165 (5825MHz)

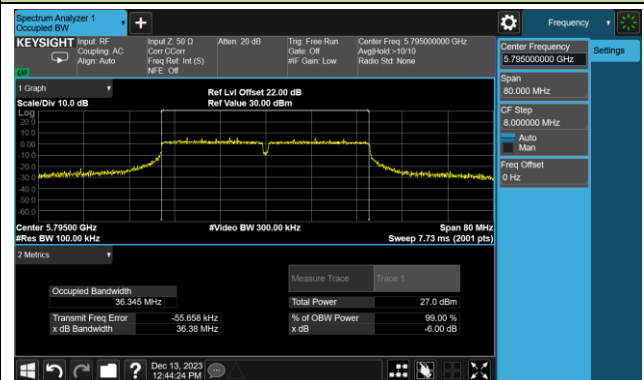


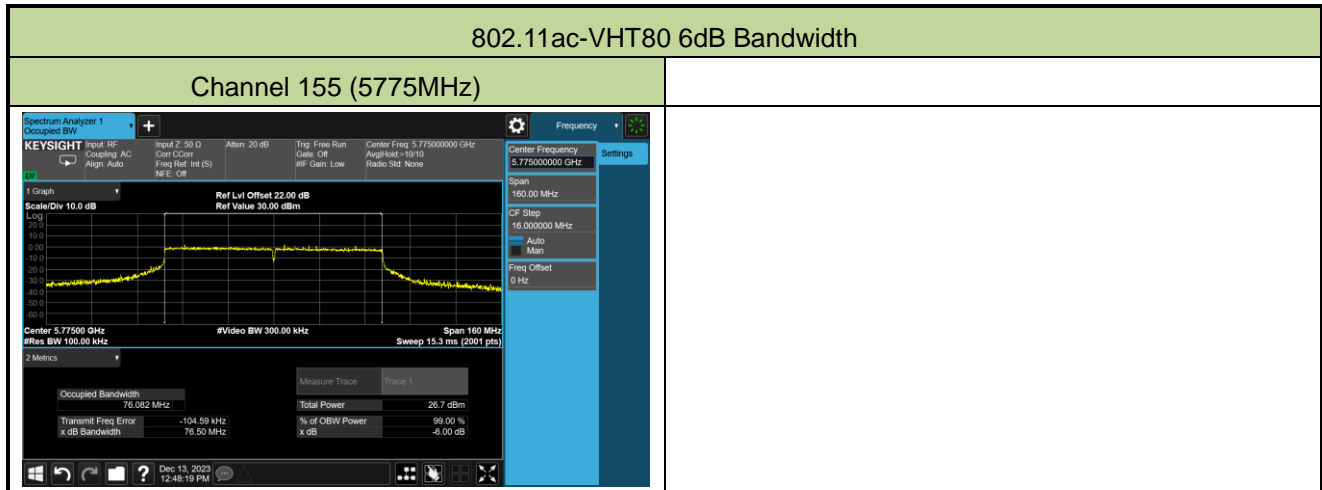
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



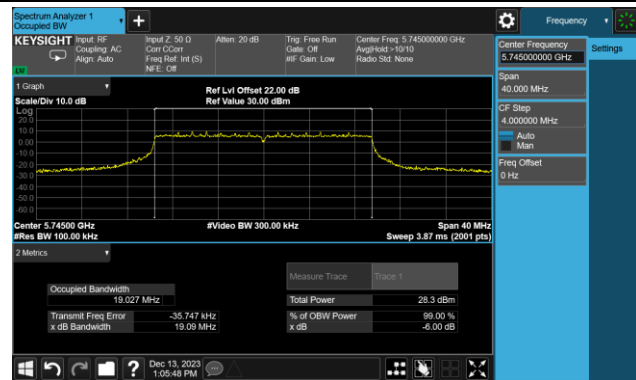
Channel 159 (5795MHz)



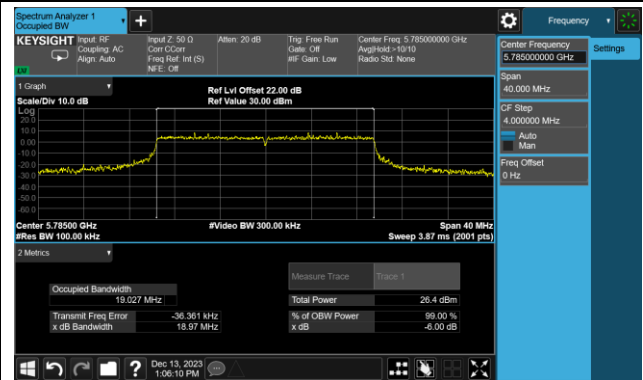


802.11ax-HE20 6dB Bandwidth

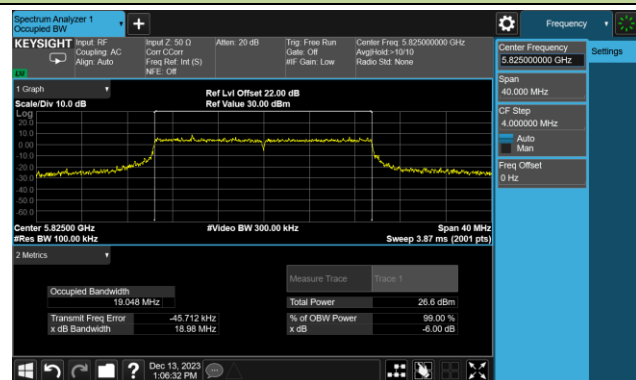
Channel 149 (5745MHz)



Channel 157 (5785MHz)

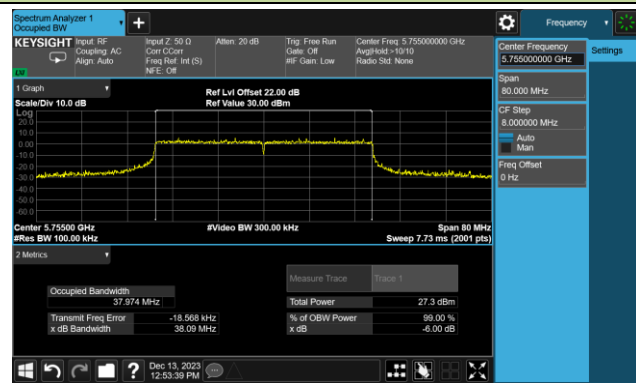


Channel 165 (5825MHz)

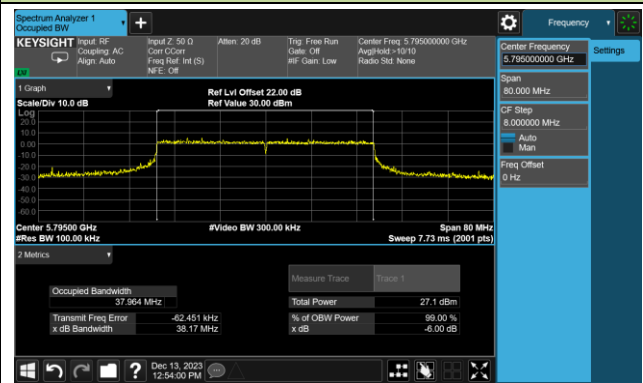


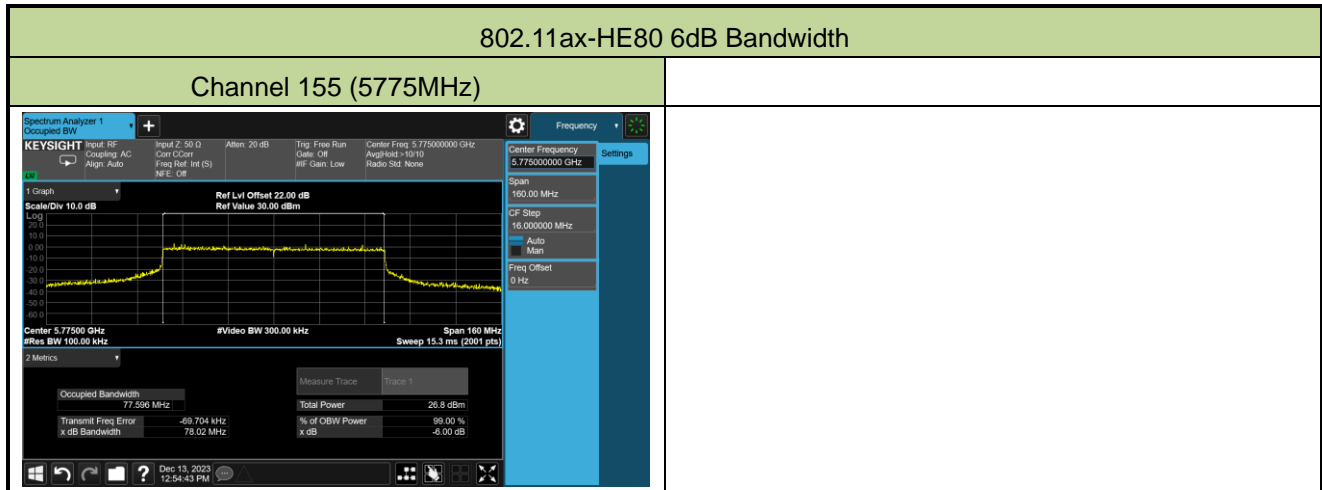
802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)



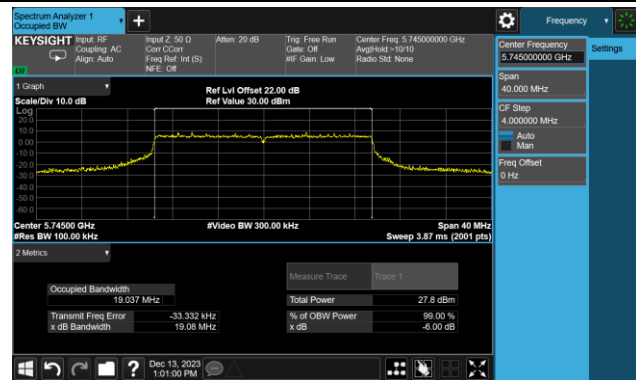
Channel 159 (5795MHz)



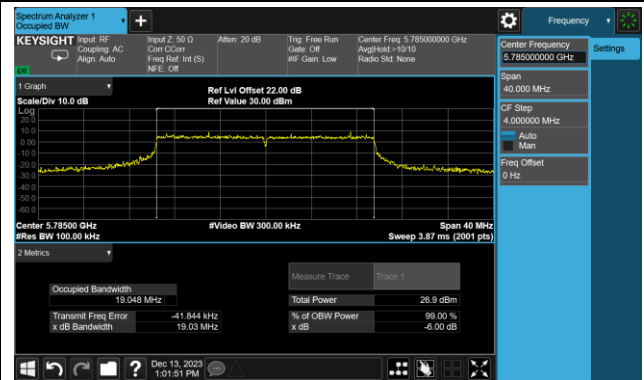


802.11be-EHT20 6dB Bandwidth

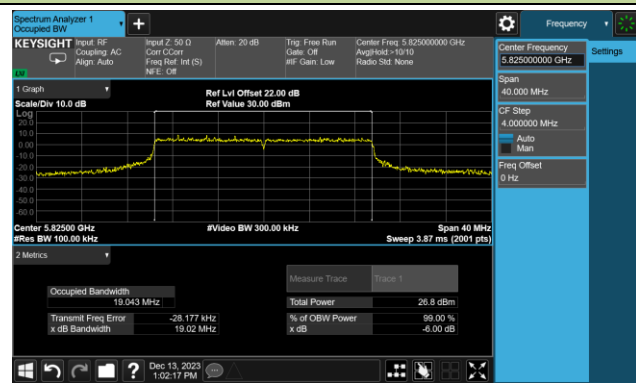
Channel 149 (5745MHz)



Channel 157 (5785MHz)

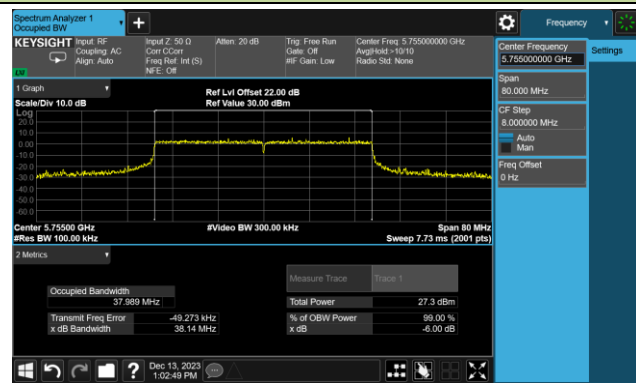


Channel 165 (5825MHz)

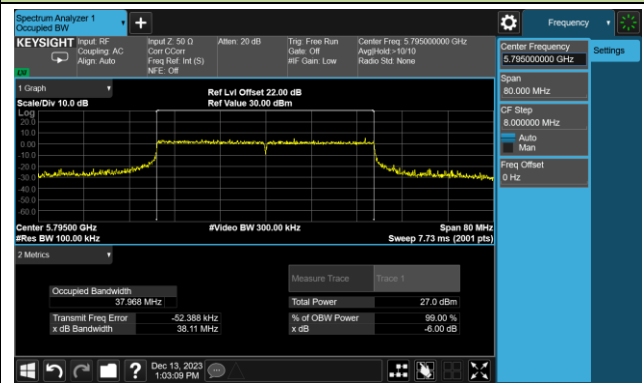


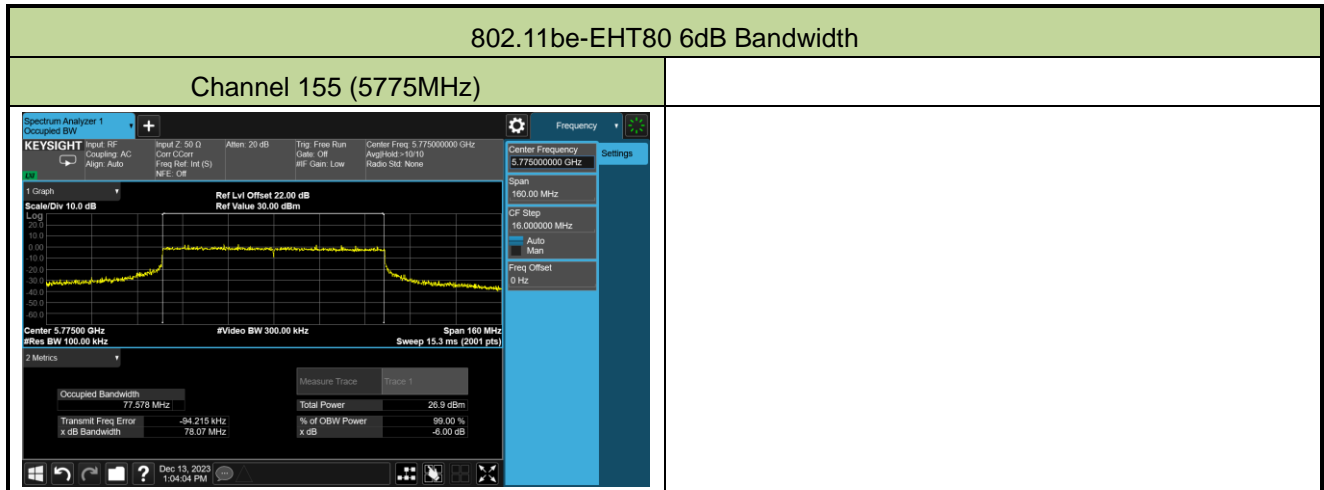
802.11be-EHT40 6dB Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)





A.4 Output Power Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2024-01-22		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1	Ant 2	Ant 3		
11a	6Mbps	36	5180	19.19	19.53	19.13	19.34	25.32	≤ 30.00
11a	6Mbps	44	5220	21.92	21.83	21.97	22.01	27.95	≤ 30.00
11a	6Mbps	48	5240	21.91	22.11	21.94	21.95	28.00	≤ 30.00
11a	6Mbps	52	5260	16.15	15.93	16.21	16.11	22.12	≤ 23.98
11a	6Mbps	60	5300	16.03	15.90	15.88	15.92	21.95	≤ 23.98
11a	6Mbps	64	5320	16.13	15.93	16.04	16.05	22.06	≤ 23.98
11a	6Mbps	100	5500	16.09	15.91	16.12	15.96	22.04	≤ 23.98
11a	6Mbps	116	5580	16.08	15.85	15.94	15.87	21.96	≤ 23.98
11a	6Mbps	140	5700	16.28	15.87	16.01	16.05	22.08	≤ 23.98
11a	6Mbps	144	5720	16.64	16.50	16.47	16.21	22.48	≤ 23.17
11a	6Mbps	149	5745	22.61	22.47	22.18	22.21	28.39	≤ 30.00
11a	6Mbps	157	5785	21.98	22.03	21.76	21.67	27.88	≤ 30.00
11a	6Mbps	165	5825	22.25	22.11	22.16	21.96	28.14	≤ 30.00
11ac-VHT20	MCS0	36	5180	19.09	19.22	19.05	19.02	25.12	≤ 30.00
11ac-VHT20	MCS0	44	5220	22.14	22.16	22.03	22.11	28.13	≤ 30.00
11ac-VHT20	MCS0	48	5240	22.01	22.10	21.98	21.90	28.02	≤ 30.00
11ac-VHT20	MCS0	52	5260	16.96	17.08	17.26	16.81	23.05	≤ 23.98
11ac-VHT20	MCS0	60	5300	16.84	16.71	16.91	16.75	22.82	≤ 23.98
11ac-VHT20	MCS0	64	5320	16.97	17.01	16.91	16.67	22.91	≤ 23.98
11ac-VHT20	MCS0	100	5500	17.17	16.71	16.96	16.70	22.91	≤ 23.98
11ac-VHT20	MCS0	116	5580	17.31	16.94	17.11	17.01	23.12	≤ 23.98
11ac-VHT20	MCS0	140	5700	17.48	17.04	17.35	17.13	23.27	≤ 23.98
11ac-VHT20	MCS0	144	5720	17.44	17.23	17.10	16.85	23.18	≤ 23.23
11ac-VHT20	MCS0	149	5745	22.54	22.43	22.46	22.51	28.51	≤ 30.00
11ac-VHT20	MCS0	157	5785	22.03	22.13	22.11	21.94	28.07	≤ 30.00
11ac-VHT20	MCS0	165	5825	22.21	21.92	21.98	21.94	28.03	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1	Ant 2	Ant 3		
11ac-VHT40	MCS0	38	5190	18.26	18.47	18.69	18.82	24.59	≤ 30.00
11ac-VHT40	MCS0	46	5230	22.30	22.19	22.12	22.16	28.21	≤ 30.00
11ac-VHT40	MCS0	54	5270	17.78	17.54	17.69	17.70	23.70	≤ 23.98
11ac-VHT40	MCS0	62	5310	16.27	16.43	16.26	16.12	22.29	≤ 23.98
11ac-VHT40	MCS0	102	5510	17.96	17.92	17.94	17.61	23.88	≤ 23.98
11ac-VHT40	MCS0	110	5550	17.78	17.64	17.56	17.51	23.64	≤ 23.98
11ac-VHT40	MCS0	134	5670	17.81	17.74	17.80	17.72	23.79	≤ 23.98
11ac-VHT40	MCS0	142	5710	17.93	17.55	17.64	17.59	23.70	≤ 23.98
11ac-VHT40	MCS0	151	5755	22.71	22.38	22.62	22.63	28.61	≤ 30.00
11ac-VHT40	MCS0	159	5795	22.48	22.26	22.48	22.21	28.38	≤ 30.00
11ac-VHT80	MCS0	42	5210	18.83	18.87	18.56	18.88	24.81	≤ 30.00
11ac-VHT80	MCS0	58	5290	16.69	16.77	16.81	16.78	22.78	≤ 23.98
11ac-VHT80	MCS0	106	5530	17.57	17.89	17.78	17.71	23.76	≤ 23.98
11ac-VHT80	MCS0	122	5610	17.90	17.67	17.81	17.71	23.79	≤ 23.98
11ac-VHT80	MCS0	138	5690	17.49	17.32	17.66	17.25	23.45	≤ 23.98
11ac-VHT80	MCS0	155	5775	21.43	21.58	21.72	21.30	27.53	≤ 30.00
11ac-VHT160	MCS0	50	5250	16.31	16.48	16.43	16.38	22.42	≤ 23.98
11ac-VHT160	MCS0	114	5570	16.84	16.95	16.79	16.87	22.88	≤ 23.98
11ax-HE20	MCS0	36	5180	19.75	20.17	19.77	19.79	25.89	≤ 30.00
11ax-HE20	MCS0	44	5220	22.39	22.30	22.37	22.15	28.32	≤ 30.00
11ax-HE20	MCS0	48	5240	22.17	22.32	22.24	21.91	28.18	≤ 30.00
11ax-HE20	MCS0	52	5260	16.84	16.84	17.32	16.98	23.02	≤ 23.98
11ax-HE20	MCS0	60	5300	16.87	16.74	16.96	16.62	22.82	≤ 23.98
11ax-HE20	MCS0	64	5320	17.13	16.89	16.79	16.44	22.84	≤ 23.98
11ax-HE20	MCS0	100	5500	17.04	16.81	16.91	16.87	22.93	≤ 23.98
11ax-HE20	MCS0	116	5580	17.13	16.61	17.02	16.86	22.93	≤ 23.98
11ax-HE20	MCS0	140	5700	17.60	17.23	17.19	17.04	23.29	≤ 23.98
11ax-HE20	MCS0	144	5720	17.11	16.98	17.11	16.61	22.98	≤ 23.04
11ax-HE20	MCS0	149	5745	22.49	22.41	22.62	22.53	28.53	≤ 30.00
11ax-HE20	MCS0	157	5785	22.08	22.16	22.18	22.10	28.15	≤ 30.00
11ax-HE20	MCS0	165	5825	22.18	21.98	22.28	22.16	28.17	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1	Ant 2	Ant 3		
11ax-HE40	MCS0	38	5190	18.87	19.15	18.93	19.03	25.02	≤ 30.00
11ax-HE40	MCS0	46	5230	21.94	22.12	21.99	21.96	28.02	≤ 30.00
11ax-HE40	MCS0	54	5270	17.50	17.19	17.77	17.41	23.49	≤ 23.98
11ax-HE40	MCS0	62	5310	16.26	16.04	15.36	15.84	21.91	≤ 23.98
11ax-HE40	MCS0	102	5510	17.56	17.44	17.80	17.47	23.59	≤ 23.98
11ax-HE40	MCS0	110	5550	17.74	17.46	17.20	17.09	23.40	≤ 23.98
11ax-HE40	MCS0	134	5670	17.52	17.39	17.67	17.52	23.55	≤ 23.98
11ax-HE40	MCS0	142	5710	17.68	17.23	17.32	17.15	23.37	≤ 23.98
11ax-HE40	MCS0	151	5755	22.57	22.42	22.53	22.64	28.56	≤ 30.00
11ax-HE40	MCS0	159	5795	22.40	22.27	22.21	22.12	28.27	≤ 30.00
11ax-HE80	MCS0	42	5210	19.22	19.31	19.16	19.19	25.24	≤ 30.00
11ax-HE80	MCS0	58	5290	16.86	16.98	17.12	16.95	23.00	≤ 23.98
11ax-HE80	MCS0	106	5530	17.75	17.62	17.77	17.89	23.78	≤ 23.98
11ax-HE80	MCS0	122	5610	17.75	17.66	17.80	17.71	23.75	≤ 23.98
11ax-HE80	MCS0	138	5690	17.58	17.06	17.47	17.15	23.34	≤ 23.98
11ax-HE80	MCS0	155	5775	20.71	20.97	21.07	20.77	26.90	≤ 30.00
11ax-HE160	MCS0	50	5250	16.94	17.18	17.21	17.09	23.13	≤ 23.98
11ax-HE160	MCS0	114	5570	16.74	16.71	16.85	16.78	22.79	≤ 23.98
11be-EHT20	MCS0	36	5180	19.81	19.76	19.30	18.94	25.49	≤ 30.00
11be-EHT20	MCS0	44	5220	22.34	21.84	21.89	22.07	28.06	≤ 30.00
11be-EHT20	MCS0	48	5240	22.23	22.13	22.35	22.15	28.24	≤ 30.00
11be-EHT20	MCS0	52	5260	17.13	16.94	17.14	16.84	23.03	≤ 23.98
11be-EHT20	MCS0	60	5300	16.95	16.83	16.71	16.57	22.79	≤ 23.98
11be-EHT20	MCS0	64	5320	17.05	16.79	16.68	16.52	22.78	≤ 23.98
11be-EHT20	MCS0	100	5500	17.31	17.03	17.25	17.22	23.22	≤ 23.98
11be-EHT20	MCS0	116	5580	17.79	17.48	17.71	17.57	23.66	≤ 23.98
11be-EHT20	MCS0	140	5700	18.01	17.47	17.77	17.51	23.72	≤ 23.98
11be-EHT20	MCS0	144	5720	17.38	16.89	17.15	16.74	23.07	≤ 23.12
11be-EHT20	MCS0	149	5745	22.52	22.21	22.36	21.98	28.29	≤ 30.00
11be-EHT20	MCS0	157	5785	22.21	22.08	22.21	21.87	28.12	≤ 30.00
11be-EHT20	MCS0	165	5825	22.46	22.21	22.34	22.17	28.32	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1	Ant 2	Ant 3		
11be-EHT40	MCS0	38	5190	18.71	19.02	18.81	18.91	24.88	≤ 30.00
11be-EHT40	MCS0	46	5230	22.05	21.93	21.96	21.93	27.99	≤ 30.00
11be-EHT40	MCS0	54	5270	17.62	17.47	17.63	17.51	23.58	≤ 23.98
11be-EHT40	MCS0	62	5310	16.37	16.58	16.52	16.29	22.46	≤ 23.98
11be-EHT40	MCS0	102	5510	17.66	17.64	17.88	17.85	23.78	≤ 23.98
11be-EHT40	MCS0	110	5550	17.31	17.19	17.11	17.26	23.24	≤ 23.98
11be-EHT40	MCS0	134	5670	17.14	17.21	17.37	17.35	23.29	≤ 23.98
11be-EHT40	MCS0	142	5710	17.56	17.22	17.37	17.18	23.36	≤ 23.98
11be-EHT40	MCS0	151	5755	23.37	23.34	23.04	22.88	29.18	≤ 30.00
11be-EHT40	MCS0	159	5795	22.37	22.13	22.16	22.13	28.22	≤ 30.00
11be-EHT80	MCS0	42	5210	19.24	19.26	19.22	19.16	25.24	≤ 30.00
11be-EHT80	MCS0	58	5290	16.94	16.97	17.04	16.84	22.97	≤ 23.98
11be-EHT80	MCS0	106	5530	17.46	17.21	17.77	17.67	23.55	≤ 23.98
11be-EHT80	MCS0	122	5610	17.78	17.43	17.80	17.76	23.72	≤ 23.98
11be-EHT80	MCS0	138	5690	17.58	17.23	17.20	17.02	23.28	≤ 23.98
11be-EHT80	MCS0	155	5775	21.25	21.18	21.36	21.13	27.25	≤ 30.00
11be-EHT160	MCS0	50	5250	17.08	17.09	17.15	17.12	23.13	≤ 23.98
11be-EHT160	MCS0	114	5570	17.22	17.28	17.23	17.35	23.29	≤ 23.98

Note 1: Total Average Power (dBm) = $10 \cdot \log \{ 10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)} \}$.

Note 2: For Band-Crossing channel, Average Power Limit = 23.98dBm or $11 + 10 \cdot \log_{10} \text{EBW}_{2C}$ which is less.

A.5 Power Spectral Density Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2023-12-13 ~ 2023-12-28		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	AVG PSD (dBm/ MHz)				Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11a	6Mbps	36	5180	7.944	7.708	7.603	7.256	99.00	13.655	≤ 16.26
11a	6Mbps	44	5220	9.669	9.625	9.962	9.798	99.00	15.786	≤ 16.26
11a	6Mbps	48	5240	9.734	9.674	9.596	9.662	99.00	15.687	≤ 16.26
11a	6Mbps	52	5260	4.041	3.851	4.073	4.066	99.00	10.029	≤ 10.26
11a	6Mbps	60	5300	4.202	3.748	3.766	3.807	99.00	9.905	≤ 10.26
11a	6Mbps	64	5320	4.069	4.139	4.016	4.043	99.00	10.088	≤ 10.26
11a	6Mbps	100	5500	3.531	3.869	3.956	3.831	99.00	9.820	≤ 10.26
11a	6Mbps	116	5580	3.768	3.464	3.850	3.380	99.00	9.641	≤ 10.26
11a	6Mbps	140	5700	3.787	3.505	3.651	3.256	99.00	9.575	≤ 10.26
11a	6Mbps	144	5720	4.132	3.934	4.005	3.557	99.00	9.933	≤ 10.26
11ac-VHT20	MCS0	36	5180	6.685	6.767	6.713	6.670	99.38	12.730	≤ 17.00
11ac-VHT20	MCS0	44	5220	9.731	9.566	9.605	9.566	99.38	15.638	≤ 17.00
11ac-VHT20	MCS0	48	5240	9.334	9.579	9.635	9.528	99.38	15.541	≤ 17.00
11ac-VHT20	MCS0	52	5260	4.746	4.734	4.854	4.750	99.38	10.792	≤ 11.00
11ac-VHT20	MCS0	60	5300	4.839	4.424	4.541	4.580	99.38	10.619	≤ 11.00
11ac-VHT20	MCS0	64	5320	4.748	4.681	4.733	4.660	99.38	10.726	≤ 11.00
11ac-VHT20	MCS0	100	5500	4.684	4.721	4.858	4.585	99.38	10.734	≤ 11.00
11ac-VHT20	MCS0	116	5580	4.778	4.067	4.571	4.462	99.38	10.498	≤ 11.00
11ac-VHT20	MCS0	140	5700	4.715	4.186	4.341	4.430	99.38	10.443	≤ 11.00
11ac-VHT20	MCS0	144	5720	4.467	4.326	4.727	4.386	99.38	10.500	≤ 11.00
11ac-VHT40	MCS0	38	5190	3.778	4.084	3.981	3.822	98.84	9.939	≤ 17.00
11ac-VHT40	MCS0	46	5230	6.583	6.029	6.601	6.470	98.84	12.447	≤ 17.00
11ac-VHT40	MCS0	54	5270	2.077	1.962	2.224	1.955	98.84	8.076	≤ 11.00
11ac-VHT40	MCS0	62	5310	1.611	1.665	1.403	1.220	98.84	7.499	≤ 11.00
11ac-VHT40	MCS0	102	5510	2.207	2.319	2.203	2.197	98.84	8.252	≤ 11.00
11ac-VHT40	MCS0	110	5550	2.223	1.803	1.934	1.773	98.84	7.958	≤ 11.00
11ac-VHT40	MCS0	134	5670	2.375	2.105	2.373	2.295	98.84	8.309	≤ 11.00
11ac-VHT40	MCS0	142	5710	2.105	1.692	1.881	1.674	98.84	7.862	≤ 11.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVG PSD (dBm/ MHz)				Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11ac-VHT80	MCS0	42	5210	0.633	0.340	0.572	0.603	98.84	6.559	≤ 17.00
11ac-VHT80	MCS0	58	5290	-1.161	-1.125	-1.279	-1.322	98.84	4.800	≤ 11.00
11ac-VHT80	MCS0	106	5530	-1.445	-0.829	-1.004	-1.088	98.84	4.935	≤ 11.00
11ac-VHT80	MCS0	122	5610	-0.563	-1.212	-0.495	-0.862	98.84	5.247	≤ 11.00
11ac-VHT80	MCS0	138	5690	-0.682	-1.321	-0.827	-1.283	98.84	5.001	≤ 11.00
11ac-VHT160	MCS0	50	5250	-4.547	-4.261	-4.285	-4.374	99.34	1.655	≤ 11.00
11ac-VHT160	MCS0	114	5570	-4.363	-4.022	-4.135	-4.181	99.34	1.847	≤ 11.00
11ax-HE20	MCS0	36	5180	7.481	7.873	7.538	7.703	99.27	13.672	≤ 17.00
11ax-HE20	MCS0	44	5220	9.441	9.090	9.374	9.175	99.27	15.293	≤ 17.00
11ax-HE20	MCS0	48	5240	9.107	9.249	9.346	9.055	99.27	15.211	≤ 17.00
11ax-HE20	MCS0	52	5260	4.289	4.707	4.766	4.615	99.27	10.619	≤ 11.00
11ax-HE20	MCS0	60	5300	4.717	4.331	4.528	4.367	99.27	10.509	≤ 11.00
11ax-HE20	MCS0	64	5320	4.581	4.550	4.590	4.466	99.27	10.568	≤ 11.00
11ax-HE20	MCS0	100	5500	4.478	4.359	4.578	4.351	99.27	10.463	≤ 11.00
11ax-HE20	MCS0	116	5580	4.965	4.531	4.787	4.478	99.27	10.715	≤ 11.00
11ax-HE20	MCS0	140	5700	4.876	4.612	4.883	4.508	99.27	10.743	≤ 11.00
11ax-HE20	MCS0	144	5720	4.563	4.091	4.292	3.743	99.27	10.203	≤ 11.00
11ax-HE40	MCS0	38	5190	3.592	3.844	3.720	3.902	98.72	9.787	≤ 17.00
11ax-HE40	MCS0	46	5230	6.263	6.113	6.434	6.164	98.72	12.266	≤ 17.00
11ax-HE40	MCS0	54	5270	1.845	2.083	2.251	2.062	98.72	8.083	≤ 11.00
11ax-HE40	MCS0	62	5310	0.663	0.499	0.104	0.079	98.72	6.364	≤ 11.00
11ax-HE40	MCS0	102	5510	1.985	1.975	1.918	1.781	98.72	7.936	≤ 11.00
11ax-HE40	MCS0	110	5550	1.737	1.645	1.639	1.954	98.72	7.766	≤ 11.00
11ax-HE40	MCS0	134	5670	2.248	1.954	2.190	2.066	98.72	8.137	≤ 11.00
11ax-HE40	MCS0	142	5710	1.756	1.439	1.642	1.489	98.72	7.604	≤ 11.00
11ax-HE80	MCS0	42	5210	1.132	1.109	1.065	0.783	98.71	7.045	≤ 17.00
11ax-HE80	MCS0	58	5290	-1.138	-1.154	-1.296	-1.214	98.71	4.821	≤ 11.00
11ax-HE80	MCS0	106	5530	-0.518	-0.557	-0.774	-0.716	98.71	5.381	≤ 11.00
11ax-HE80	MCS0	122	5610	0.067	-0.668	0.033	-0.239	98.71	5.829	≤ 11.00
11ax-HE80	MCS0	138	5690	-0.602	-1.240	-0.676	-0.844	98.71	5.187	≤ 11.00
11ax-HE160	MCS0	50	5250	-4.062	-3.840	-3.963	-3.683	99.08	2.136	≤ 11.00
11ax-HE160	MCS0	114	5570	-4.036	-4.103	-4.427	-4.821	99.08	1.685	≤ 11.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVGPSD (dBm/ MHz)				Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11be-EHT20	MCS0	36	5180	6.276	6.283	6.931	7.143	99.27	12.696	≤ 17.00
11be-EHT20	MCS0	44	5220	9.498	9.257	9.473	9.270	99.27	15.397	≤ 17.00
11be-EHT20	MCS0	48	5240	9.412	9.762	9.936	9.592	99.27	15.700	≤ 17.00
11be-EHT20	MCS0	52	5260	4.840	4.388	4.898	4.756	99.27	10.746	≤ 11.00
11be-EHT20	MCS0	60	5300	4.699	4.279	4.559	4.546	99.27	10.544	≤ 11.00
11be-EHT20	MCS0	64	5320	4.542	4.464	4.488	4.322	99.27	10.475	≤ 11.00
11be-EHT20	MCS0	100	5500	4.190	4.192	4.276	4.188	99.27	10.232	≤ 11.00
11be-EHT20	MCS0	116	5580	4.925	4.631	5.144	4.728	99.27	10.882	≤ 11.00
11be-EHT20	MCS0	140	5700	5.107	4.541	5.023	4.679	99.27	10.864	≤ 11.00
11be-EHT20	MCS0	144	5720	4.772	4.297	4.486	4.163	99.27	10.456	≤ 11.00
11be-EHT40	MCS0	38	5190	3.366	3.821	3.490	3.621	98.54	9.598	≤ 17.00
11be-EHT40	MCS0	46	5230	6.230	6.197	6.442	6.473	98.54	12.358	≤ 17.00
11be-EHT40	MCS0	54	5270	1.846	1.600	1.908	1.914	98.54	7.839	≤ 11.00
11be-EHT40	MCS0	62	5310	0.987	1.223	0.987	0.930	98.54	7.054	≤ 11.00
11be-EHT40	MCS0	102	5510	1.427	1.813	1.681	1.732	98.54	7.686	≤ 11.00
11be-EHT40	MCS0	110	5550	1.476	1.162	1.517	1.328	98.54	7.394	≤ 11.00
11be-EHT40	MCS0	134	5670	1.494	1.082	1.694	1.500	98.54	7.469	≤ 11.00
11be-EHT40	MCS0	142	5710	1.721	0.947	1.267	1.021	98.54	7.270	≤ 11.00
11be-EHT80	MCS0	42	5210	1.144	1.102	1.100	0.881	99.09	7.079	≤ 17.00
11be-EHT80	MCS0	58	5290	-1.231	-1.061	-1.286	-1.202	99.09	4.826	≤ 11.00
11be-EHT80	MCS0	106	5530	-1.702	-1.143	-1.469	-1.530	99.09	4.564	≤ 11.00
11be-EHT80	MCS0	122	5610	-0.773	-1.347	-0.780	-1.338	99.09	4.970	≤ 11.00
11be-EHT80	MCS0	138	5690	-1.518	-2.010	-1.713	-2.143	99.09	4.182	≤ 11.00
11be-EHT160	MCS0	50	5250	-3.725	-3.507	-3.334	-3.908	99.09	2.408	≤ 11.00
11be-EHT160	MCS0	114	5570	-4.072	-4.035	-3.810	-3.814	99.09	2.090	≤ 11.00

Note 1: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{ 10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)} \} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{ 10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)} \}$.

Note 2:

For 11a, 5125 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (6.74 - 6) = 16.26dBm/MHz

5250 - 5350MHz & 5470 - 5725MHz Band: PSD Limit (dBm) = 11 - (6.74 - 6) = 10.26dBm/MHz.

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2023-12-13 ~ 2023-12-28		
Test Item	Power Spectral Density (UNII-Band 3)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ 510kHz)				Duty Cycle (%)	Total PSD (dBm/ 510kHz)	PSD Limit (dBm/ 500kHz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11a	6Mbps	149	5745	7.088	6.433	6.810	7.007	99.00	12.862	≤ 29.26
11a	6Mbps	157	5785	7.591	7.231	7.376	6.923	99.00	13.308	≤ 29.26
11a	6Mbps	165	5825	7.167	7.033	6.999	6.754	99.00	13.011	≤ 29.26
11ac-VHT20	MCS0	149	5745	6.716	6.537	7.268	6.958	99.38	12.899	≤ 30.00
11ac-VHT20	MCS0	157	5785	6.693	6.085	6.634	6.299	99.38	12.455	≤ 30.00
11ac-VHT20	MCS0	165	5825	6.660	6.265	6.638	6.423	99.38	12.520	≤ 30.00
11ac-VHT40	MCS0	151	5755	4.802	4.376	4.538	4.817	98.84	10.658	≤ 30.00
11ac-VHT40	MCS0	159	5795	4.364	3.772	4.355	4.160	98.84	10.190	≤ 30.00
11ac-VHT80	MCS0	155	5775	0.290	0.002	0.366	0.521	98.84	6.319	≤ 30.00
11ax-HE20	MCS0	149	5745	7.220	7.103	7.252	7.034	99.27	13.174	≤ 30.00
11ax-HE20	MCS0	157	5785	6.418	5.920	6.344	6.043	99.27	12.207	≤ 30.00
11ax-HE20	MCS0	165	5825	6.829	6.990	6.903	6.814	99.27	12.905	≤ 30.00
11ax-HE40	MCS0	151	5755	4.404	3.498	3.883	3.268	98.72	9.805	≤ 30.00
11ax-HE40	MCS0	159	5795	4.369	3.635	3.919	4.055	98.72	10.023	≤ 30.00
11ax-HE80	MCS0	155	5775	-0.478	-0.492	-0.312	-1.143	98.71	5.426	≤ 30.00
11be-EHT20	MCS0	149	5745	6.553	6.318	6.085	6.101	99.27	12.289	≤ 30.00
11be-EHT20	MCS0	157	5785	6.651	6.340	6.437	6.601	99.27	12.530	≤ 30.00
11be-EHT20	MCS0	165	5825	6.172	6.117	6.594	5.901	99.27	12.224	≤ 30.00
11be-EHT40	MCS0	151	5755	4.871	4.752	4.777	4.437	98.54	10.733	≤ 30.00
11be-EHT40	MCS0	159	5795	3.950	3.587	3.648	3.296	98.54	9.647	≤ 30.00
11be-EHT80	MCS0	155	5775	0.274	0.164	0.280	-0.158	99.09	6.164	≤ 30.00

Note 1:

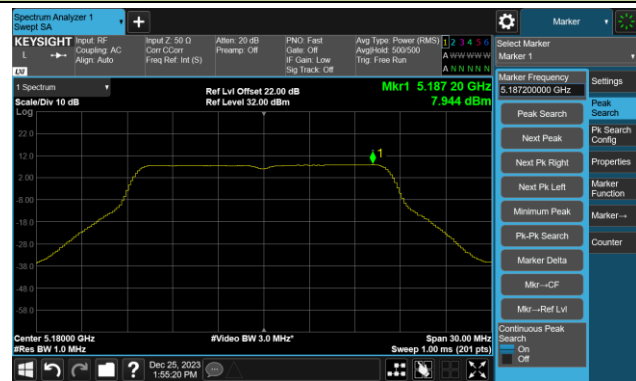
When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{ 10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)} \} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{ 10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)} \}$.

Note 2: For 11a, PSD Limit (dBm/500kHz) = 30-(6.74-6) dBm/500kHz.

802.11a Power Spectral Density- Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



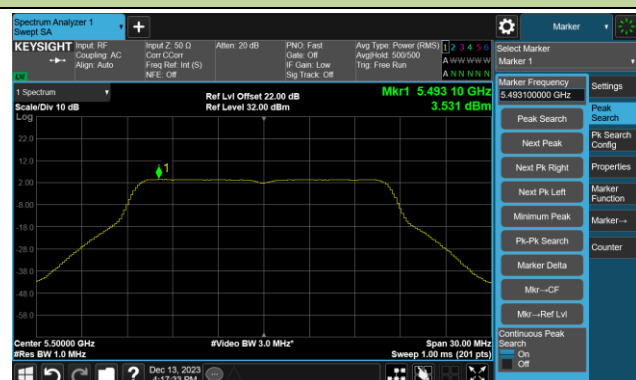
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)

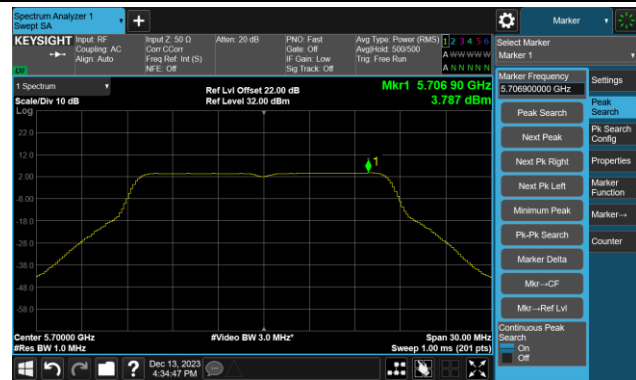


Channel 116 (5580MHz)



802.11a Power Spectral Density- Ant 0

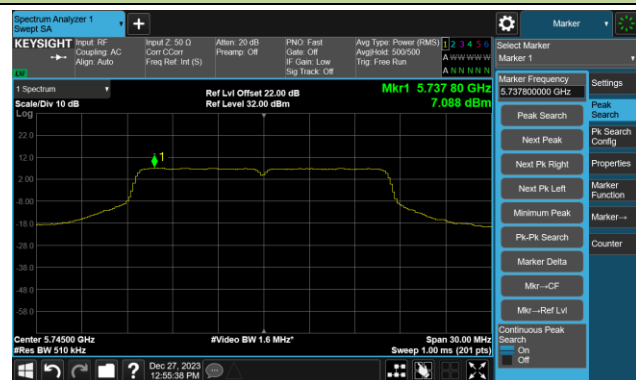
Channel 140 (5700MHz)



Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

