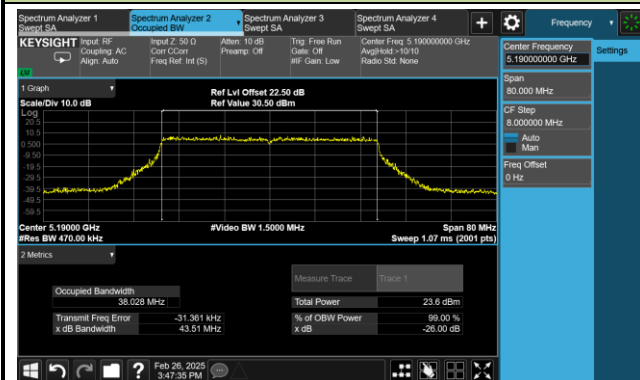
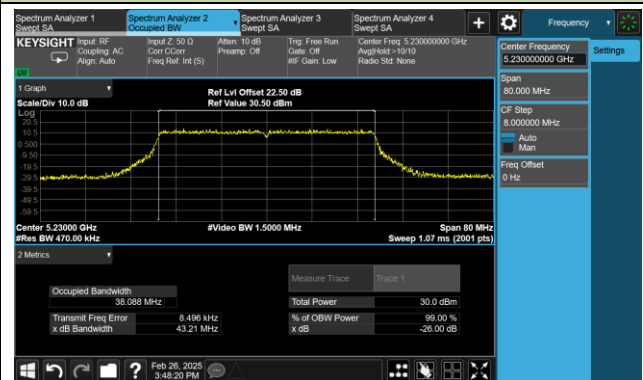


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

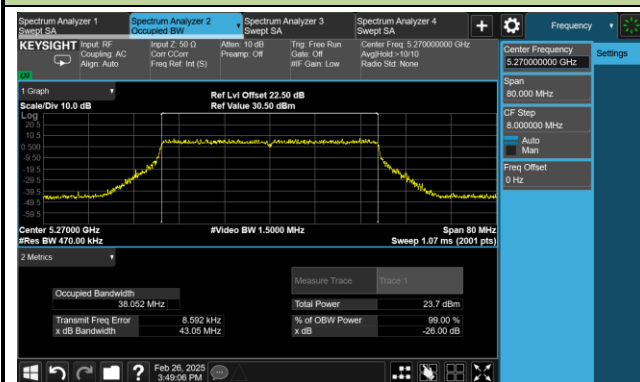
Channel 38 (5190MHz)



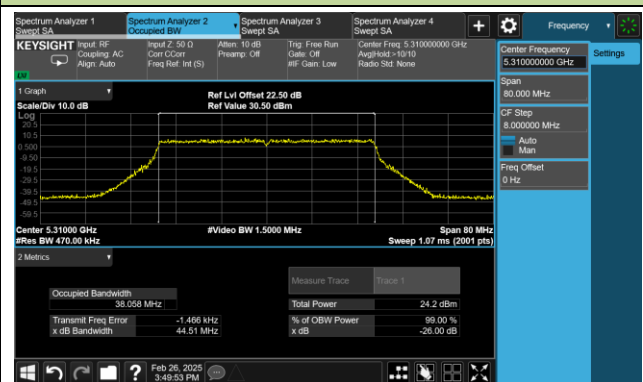
Channel 46 (5230MHz)



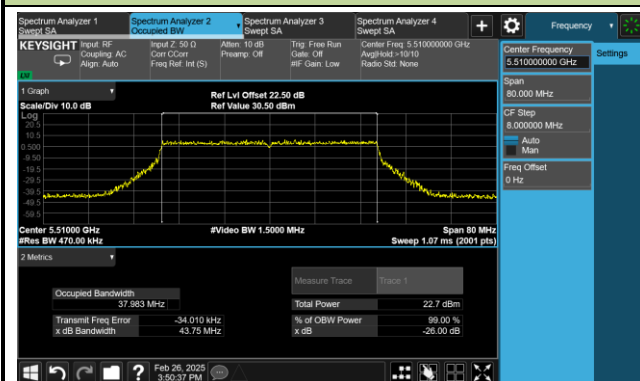
Channel 54 (5270MHz)



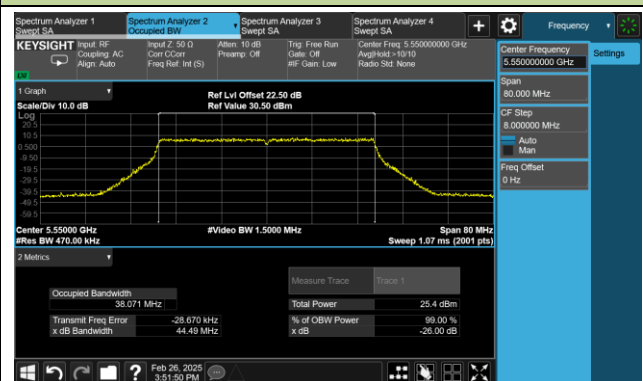
Channel 62 (5310MHz)



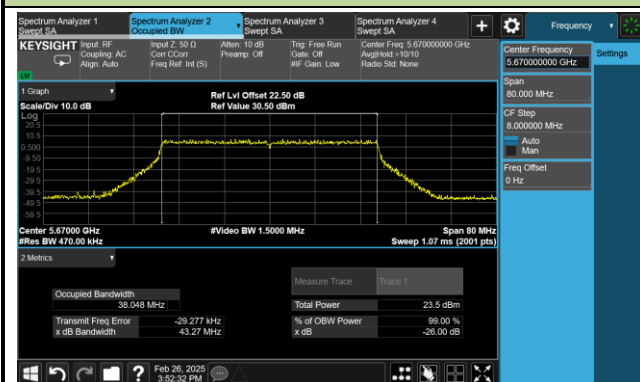
Channel 102 (5510MHz)



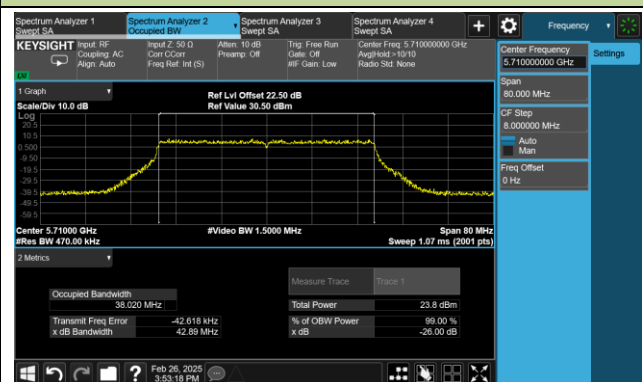
Channel 110 (5550MHz)

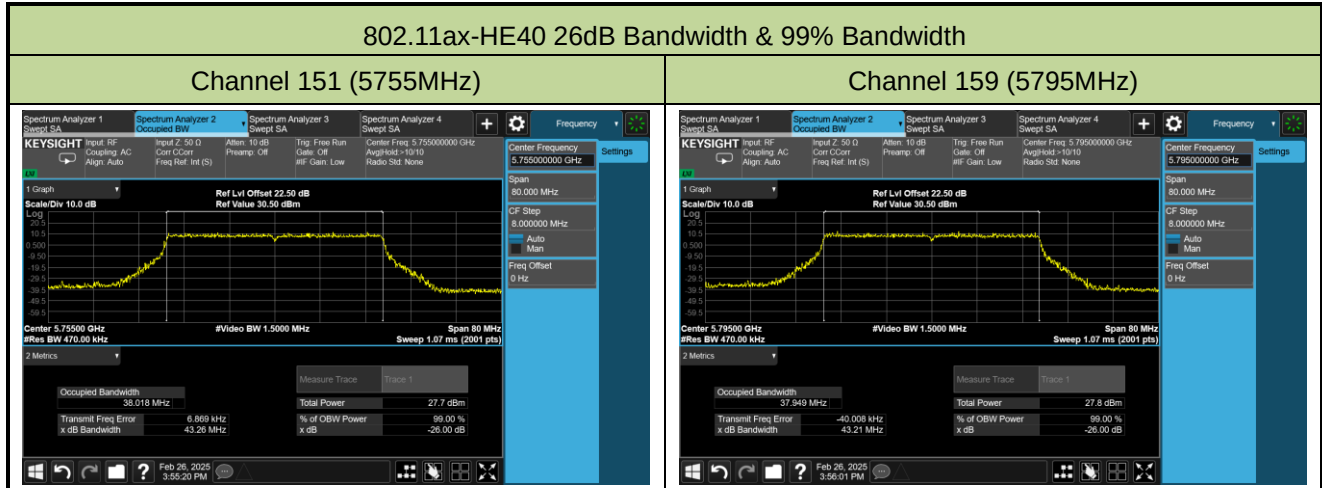


Channel 134 (5670MHz)



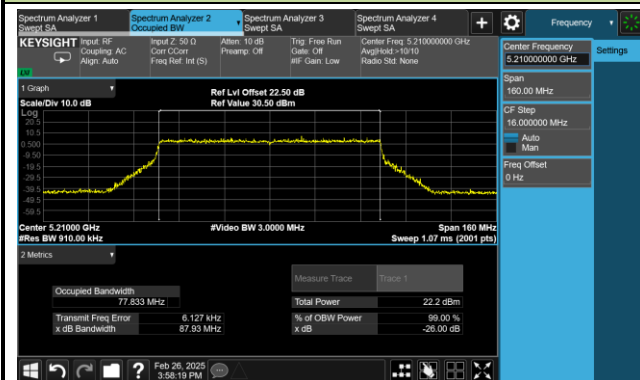
Channel 142(5710MHz)



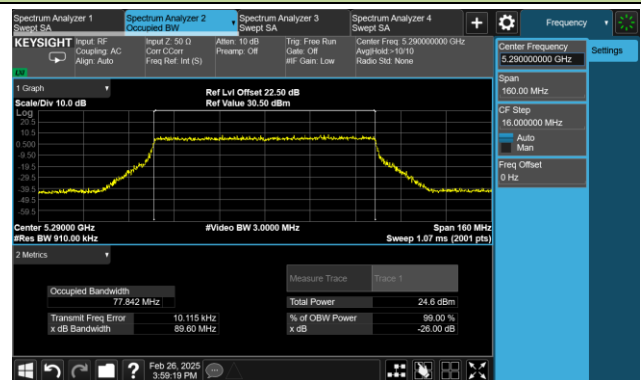


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

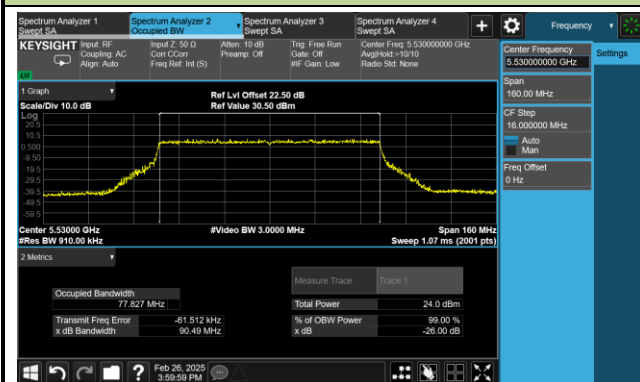
Channel 42 (5210MHz)



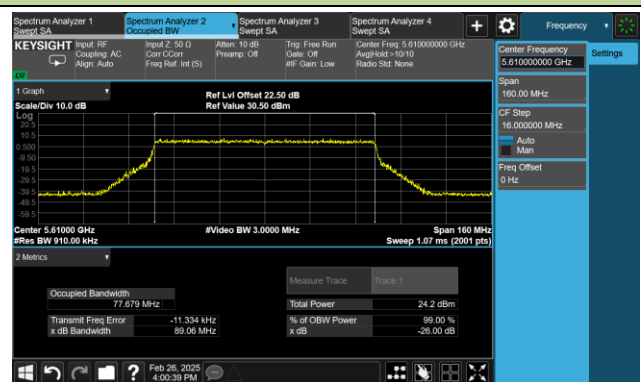
Channel 58 (5290MHz)



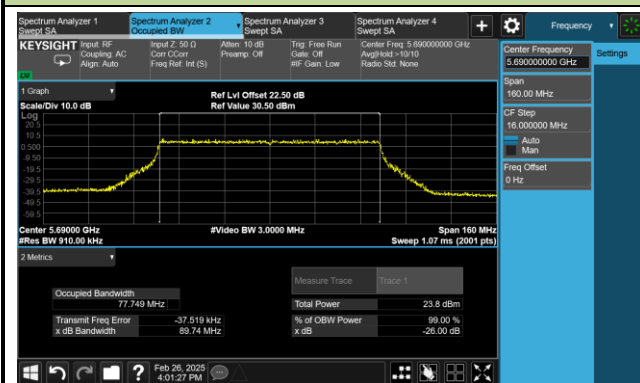
Channel 106 (5530MHz)



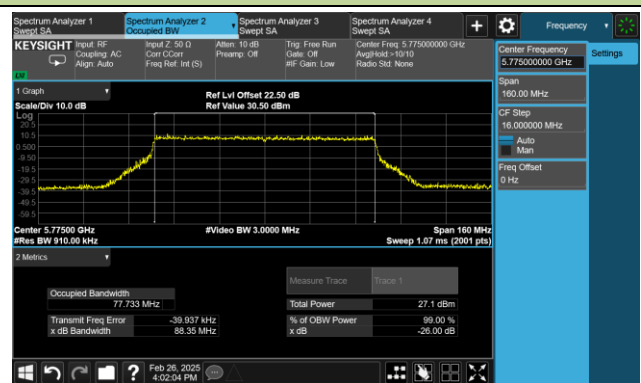
Channel 122 (5610MHz)

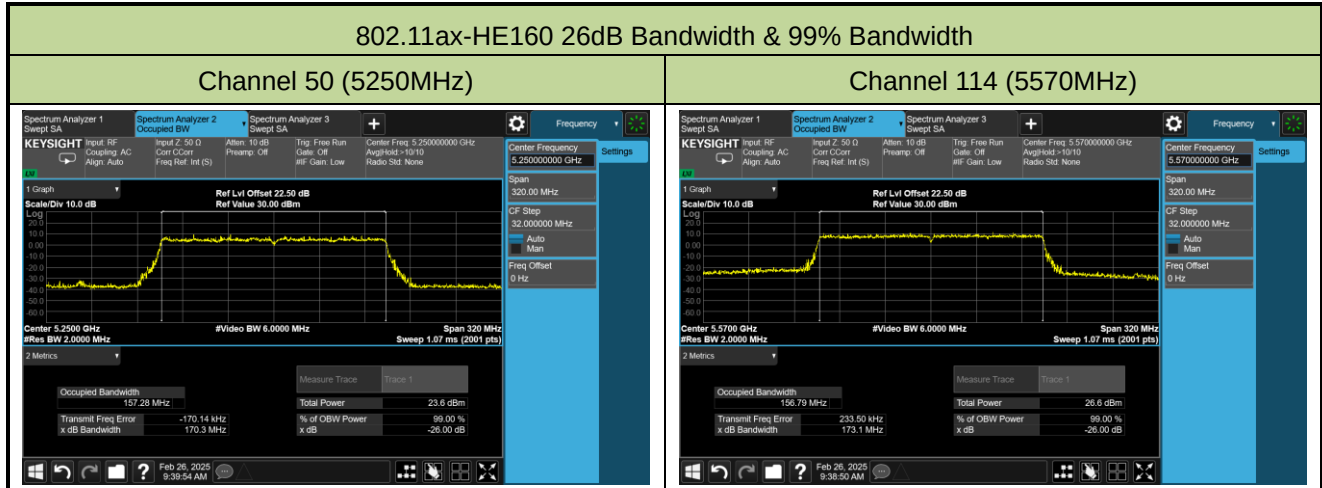


Channel 138 (5690MHz)



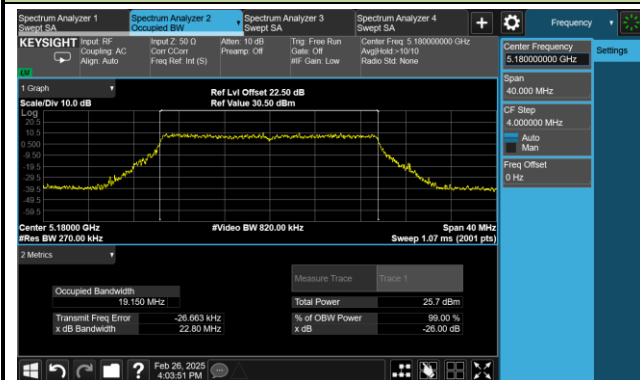
Channel 155 (5775MHz)



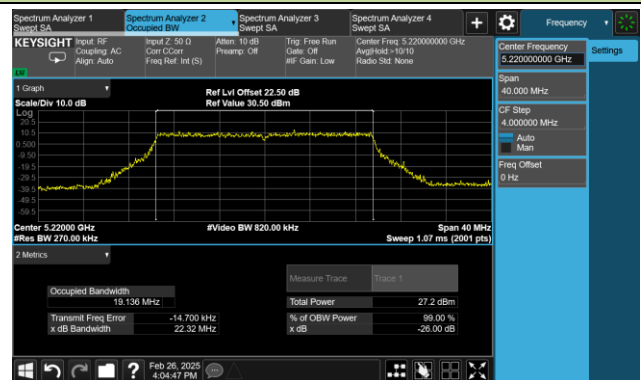


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

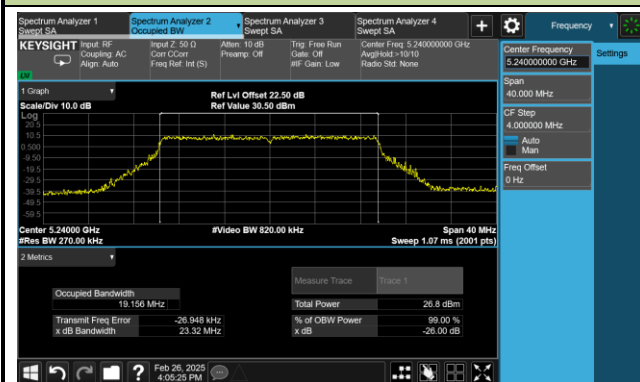
Channel 36 (5180MHz)



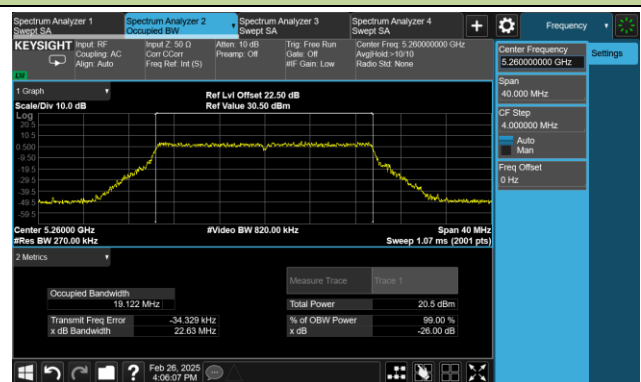
Channel 44 (5220MHz)



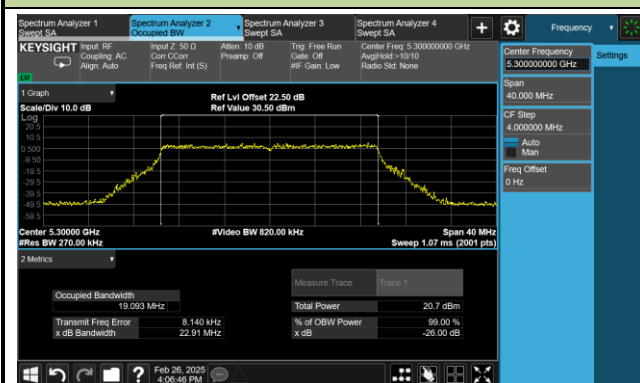
Channel 48 (5240MHz)



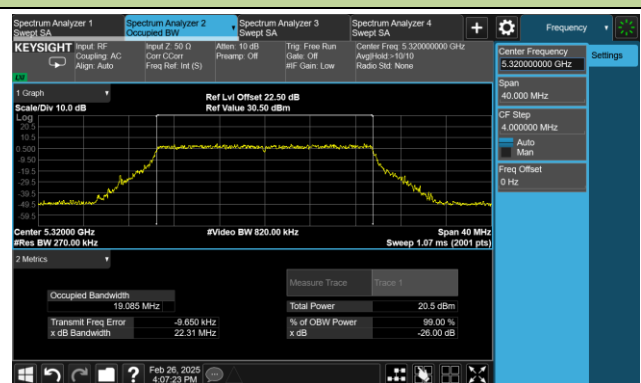
Channel 52 (5260MHz)



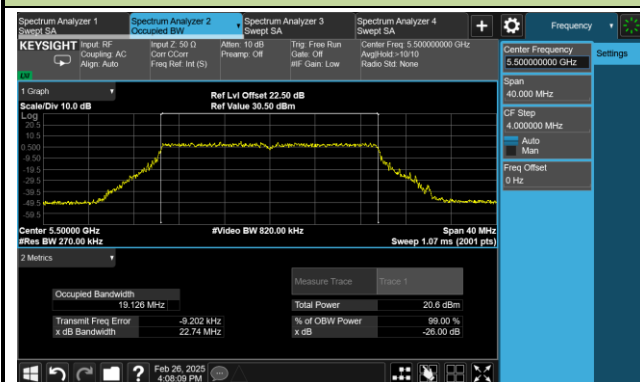
Channel 60 (5300MHz)



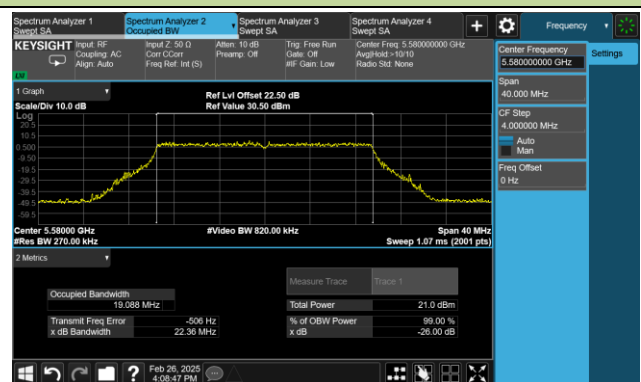
Channel 64 (5320MHz)



Channel 100 (5500MHz)

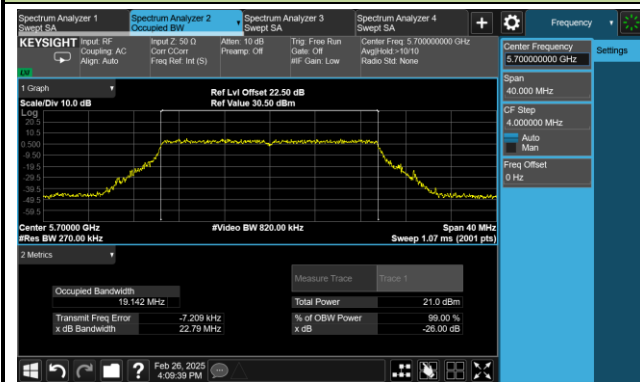


Channel 116 (5580MHz)

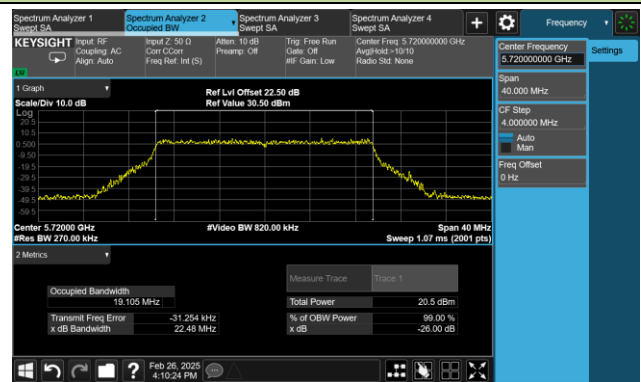


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

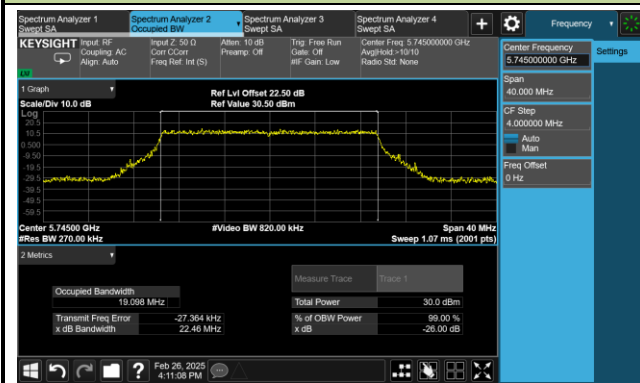
Channel 140 (5700MHz)



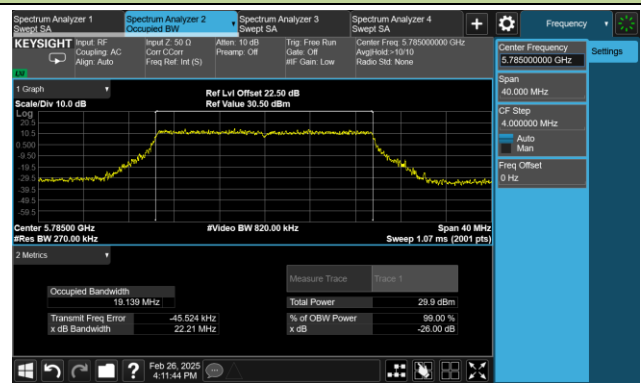
Channel 144(5720MHz)



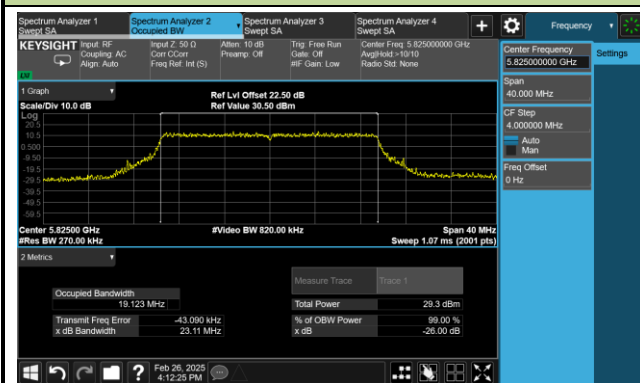
Channel 149 (5745MHz)



Channel 157 (5785MHz)

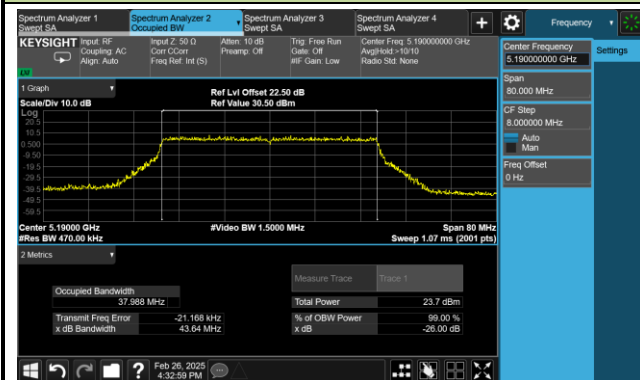


Channel 165 (5825MHz)

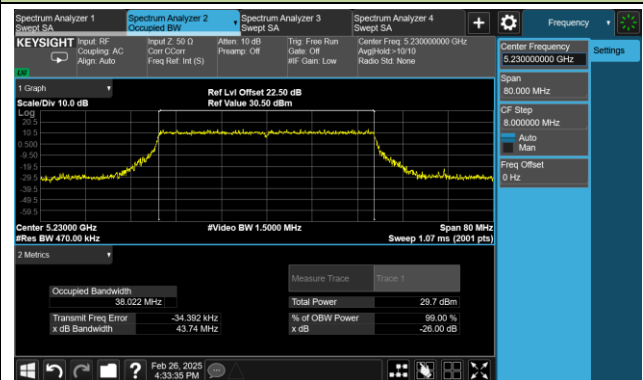


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

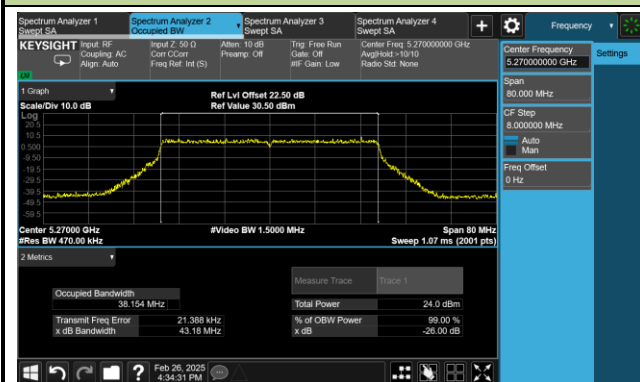
Channel 38 (5190MHz)



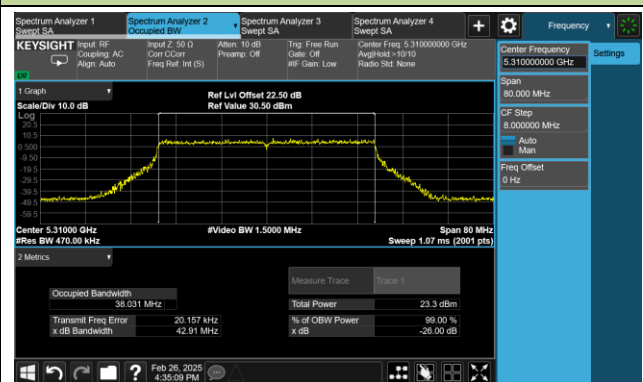
Channel 46 (5230MHz)



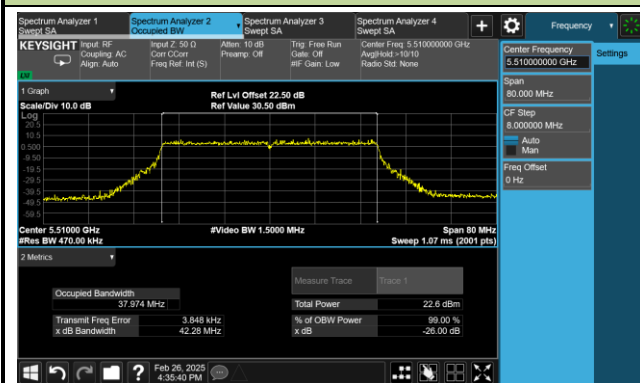
Channel 54 (5270MHz)



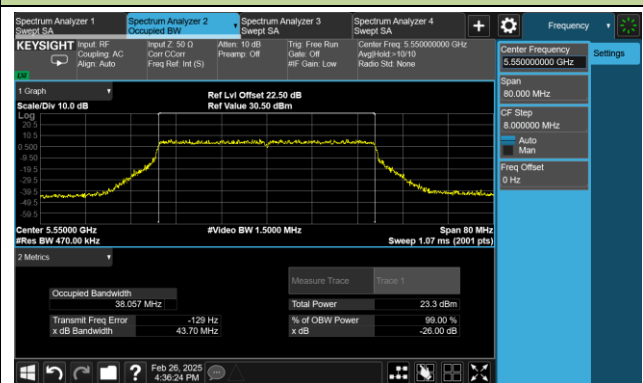
Channel 62 (5310MHz)



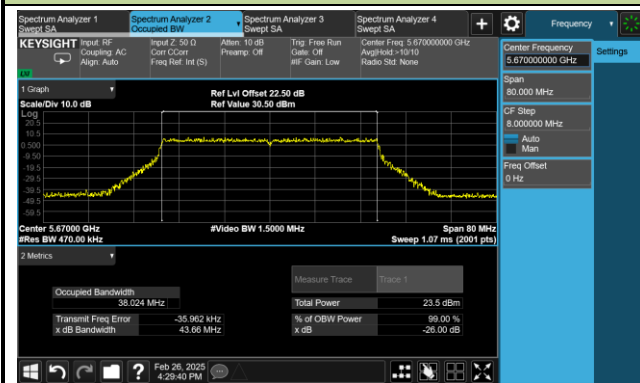
Channel 102 (5510MHz)



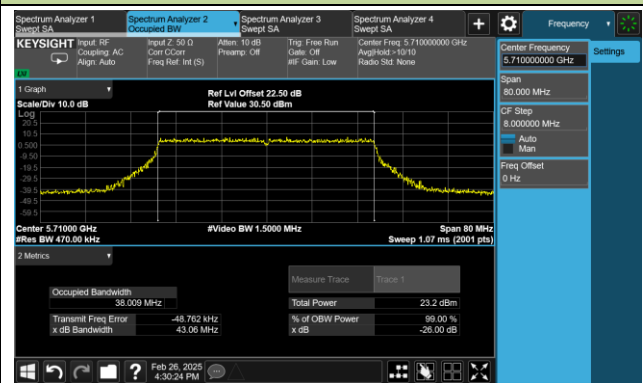
Channel 110 (5550MHz)

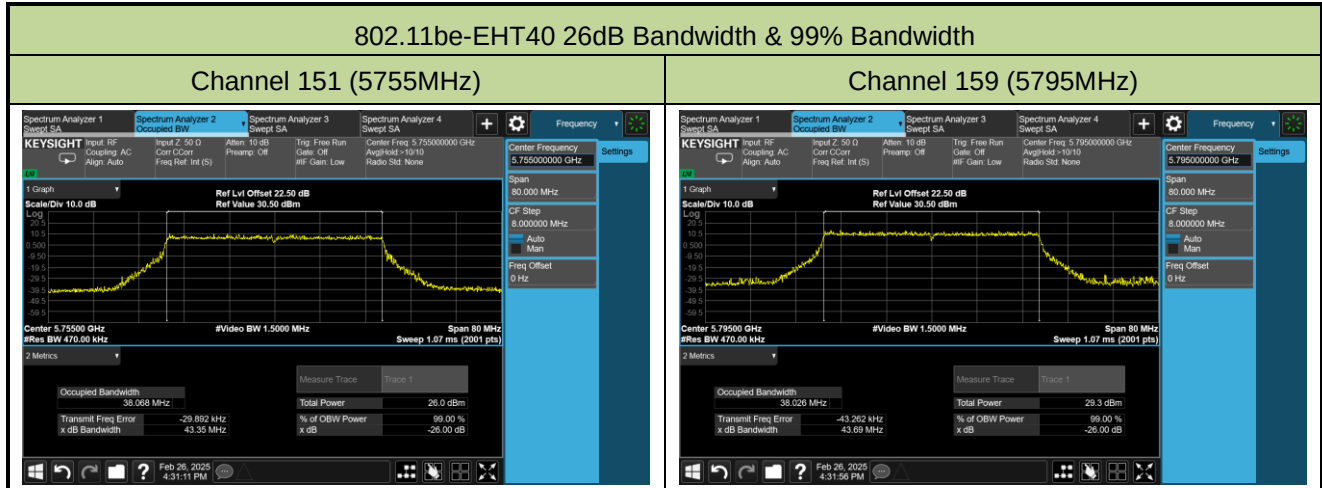


Channel 134 (5670MHz)



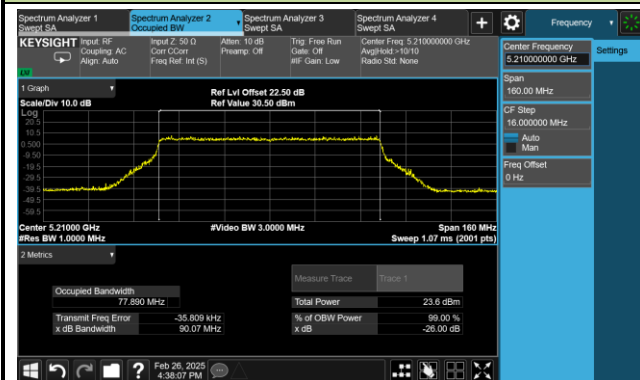
Channel 142(5710MHz)



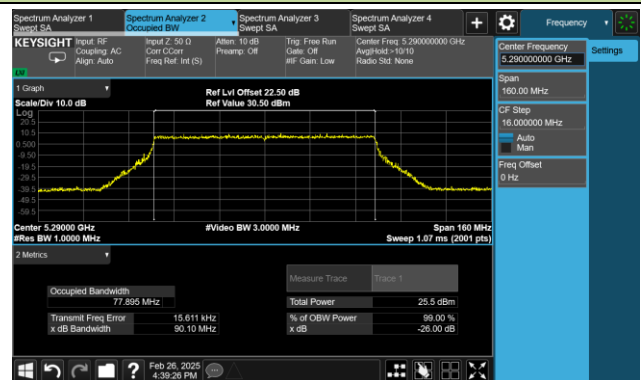


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

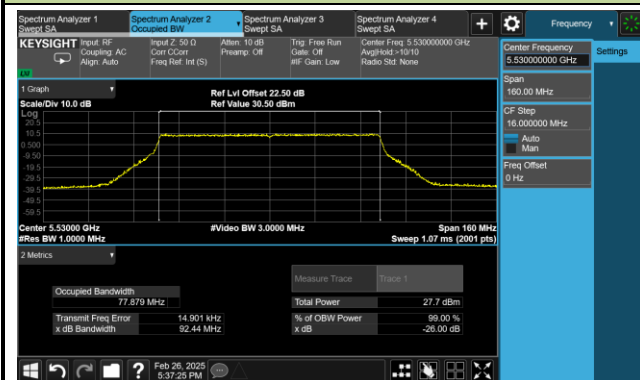
Channel 42 (5210MHz)



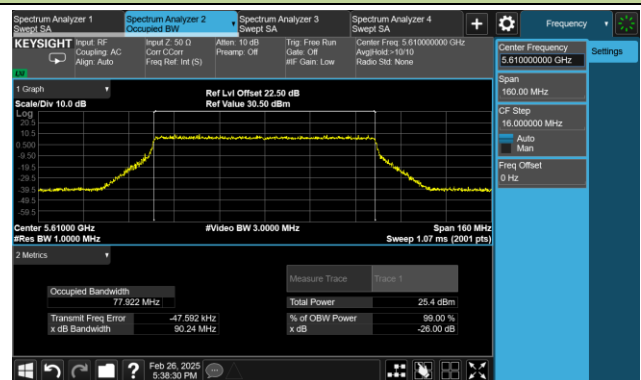
Channel 58 (5290MHz)



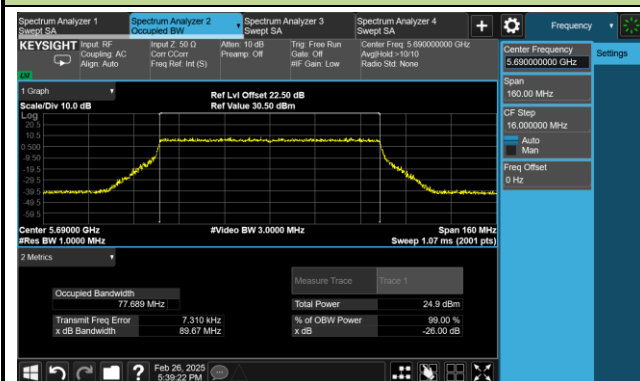
Channel 106 (5530MHz)



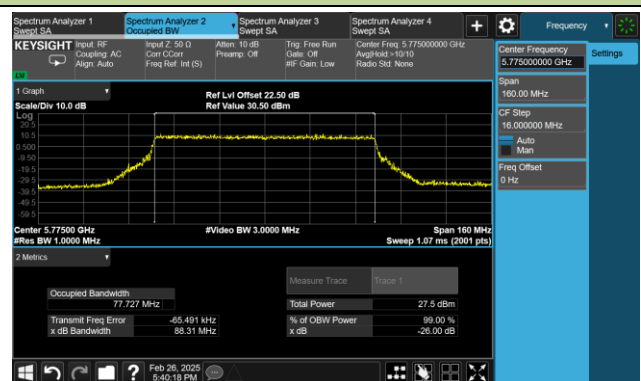
Channel 122 (5610MHz)

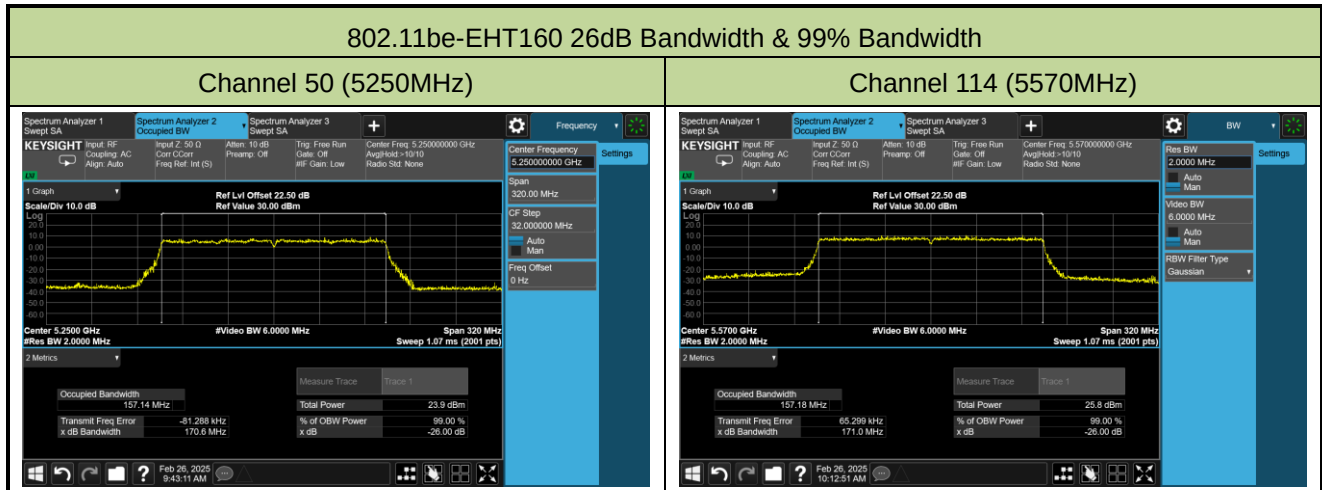


Channel 138 (5690MHz)



Channel 155 (5775MHz)





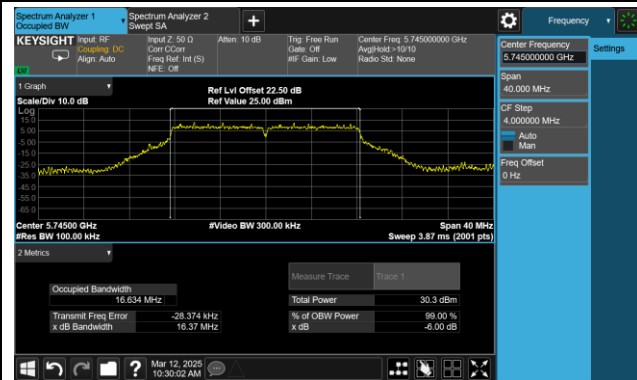
A.3 6dB Bandwidth Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-03-12		

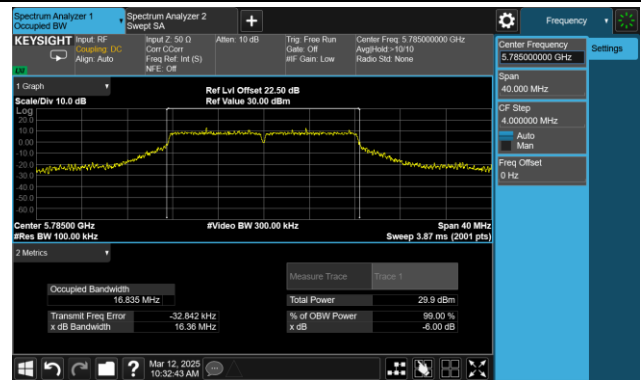
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	16.37	≥0.5
11a	6Mbps	157	5785	16.36	≥0.5
11a	6Mbps	165	5825	16.36	≥0.5
11ac-VHT20	MCS0	149	5745	17.76	≥0.5
11ac-VHT20	MCS0	157	5785	17.57	≥0.5
11ac-VHT20	MCS0	165	5825	17.78	≥0.5
11ac-VHT40	MCS0	151	5755	36.38	≥0.5
11ac-VHT40	MCS0	159	5795	36.52	≥0.5
11ac-VHT80	MCS0	155	5775	76.47	≥0.5
11ax-HE20	MCS0	149	5745	18.99	≥0.5
11ax-HE20	MCS0	157	5785	18.80	≥0.5
11ax-HE20	MCS0	165	5825	18.85	≥0.5
11ax-HE40	MCS0	151	5755	37.39	≥0.5
11ax-HE40	MCS0	159	5795	37.99	≥0.5
11ax-HE80	MCS0	155	5775	78.12	≥0.5
11be-EHT20	MCS0	149	5745	19.12	≥0.5
11be-EHT20	MCS0	157	5785	19.04	≥0.5
11be-EHT20	MCS0	165	5825	19.00	≥0.5
11be-EHT40	MCS0	151	5755	38.21	≥0.5
11be-EHT40	MCS0	159	5795	38.13	≥0.5
11be-EHT80	MCS0	155	5775	77.93	≥0.5

802.11a 6dB Bandwidth

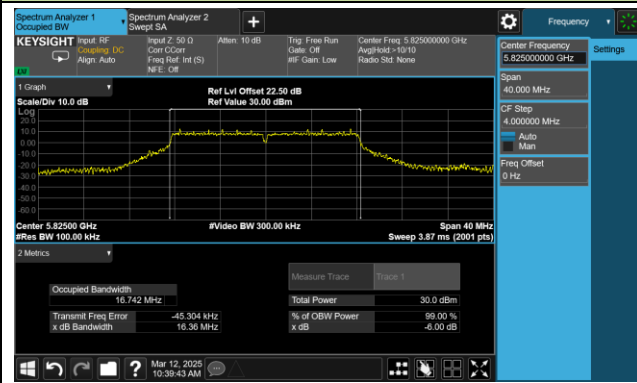
Channel 149 (5745MHz)



Channel 157 (5785MHz)

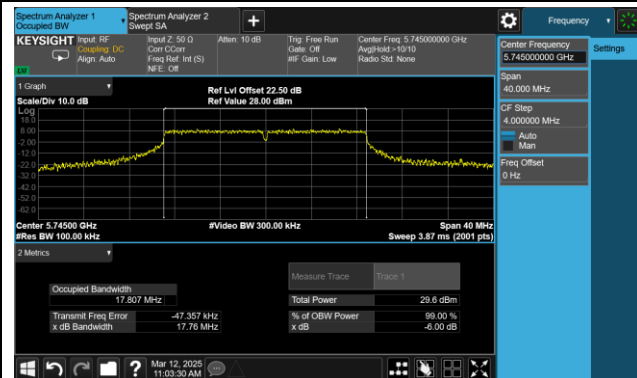


Channel 165 (5825MHz)

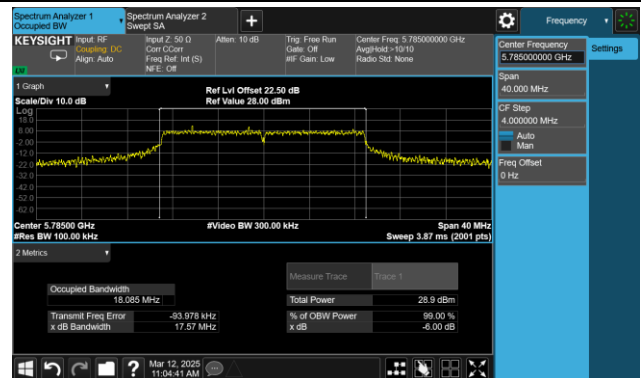


802.11ac-VHT20 6dB Bandwidth

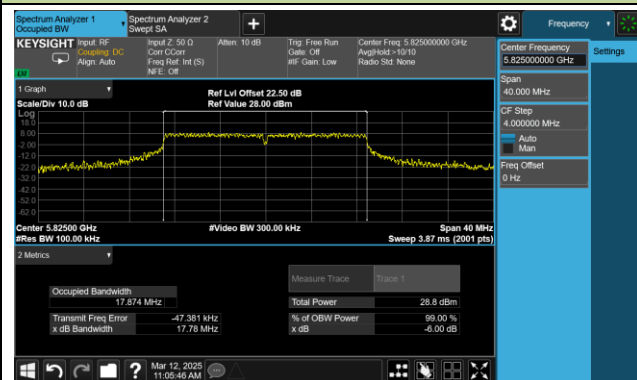
Channel 149 (5745MHz)



Channel 157 (5785MHz)

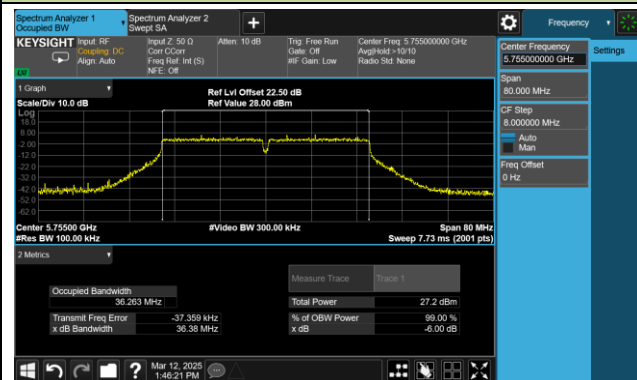


Channel 165 (5825MHz)

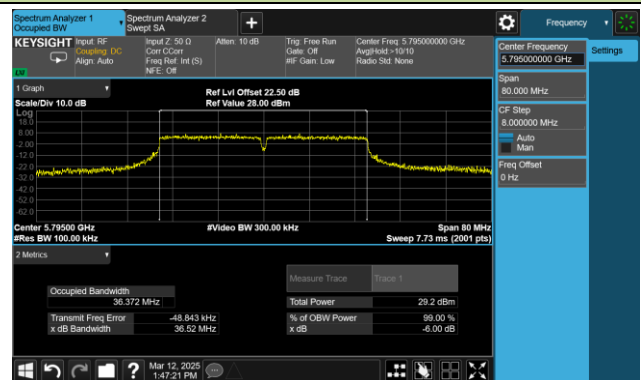


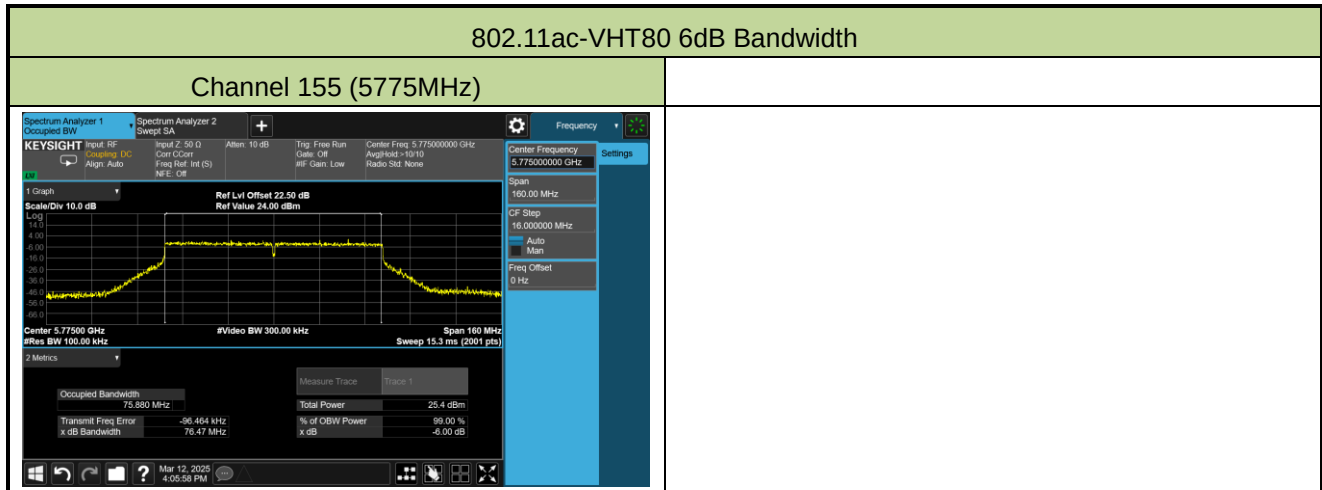
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



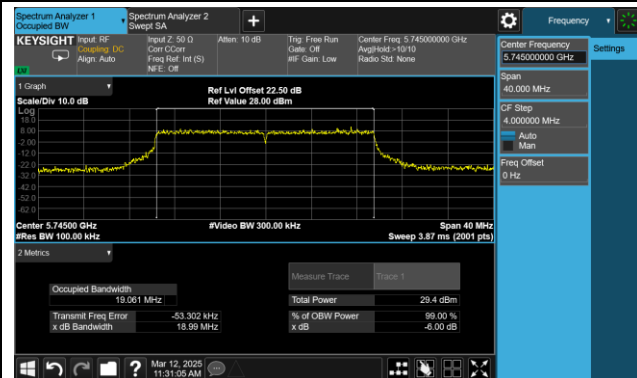
Channel 159 (5795MHz)



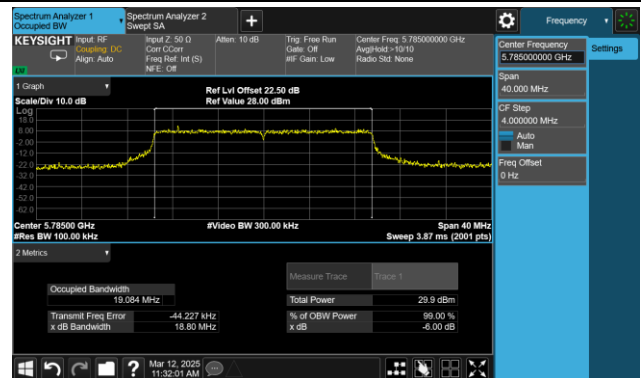


802.11ax-HE20 6dB Bandwidth

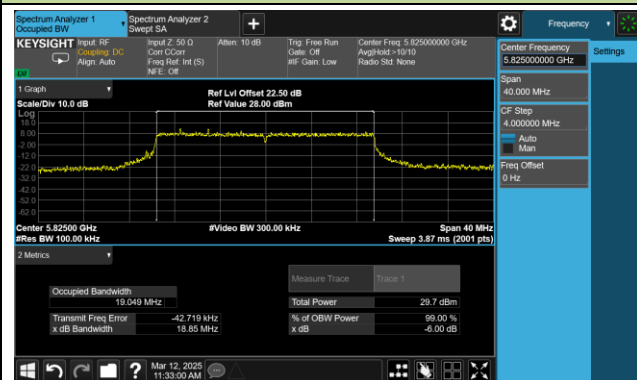
Channel 149 (5745MHz)



Channel 157 (5785MHz)

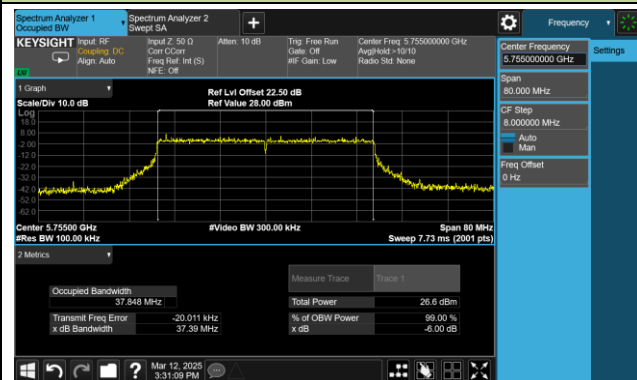


Channel 165 (5825MHz)

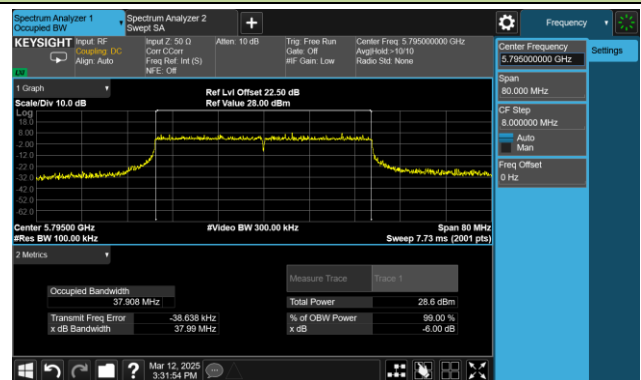


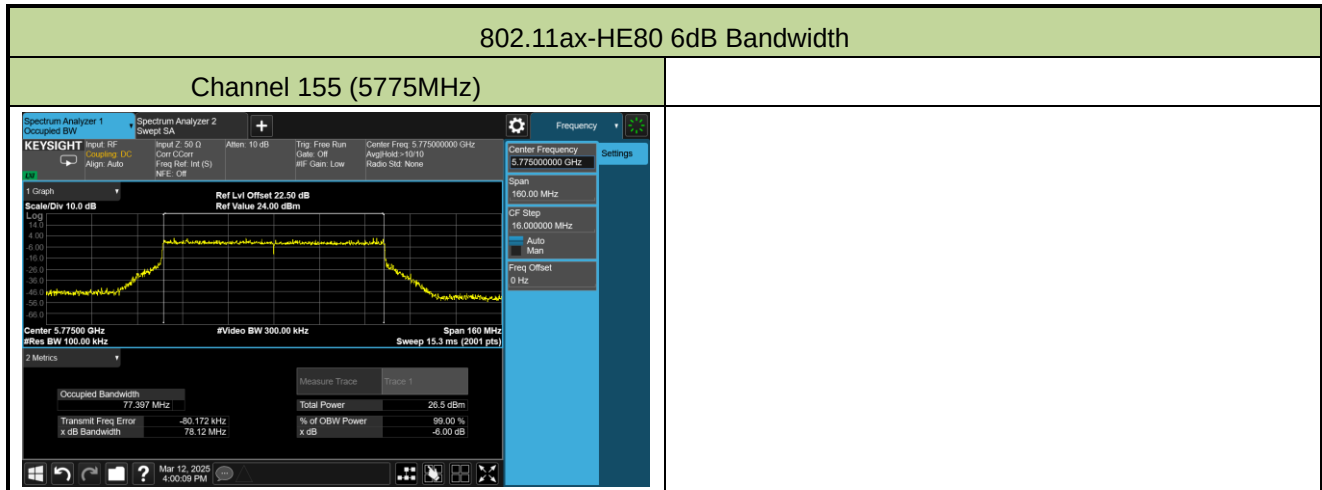
802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)



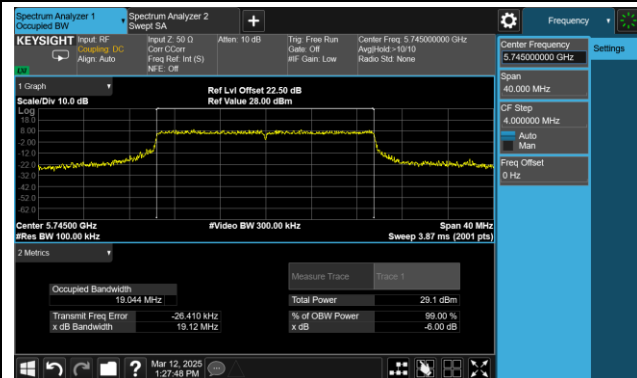
Channel 159 (5795MHz)



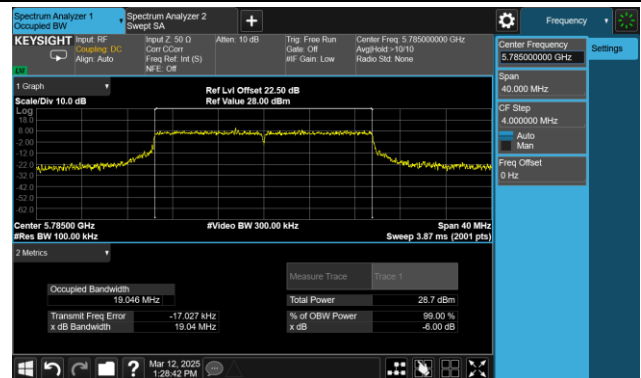


802.11be-EHT20 6dB Bandwidth

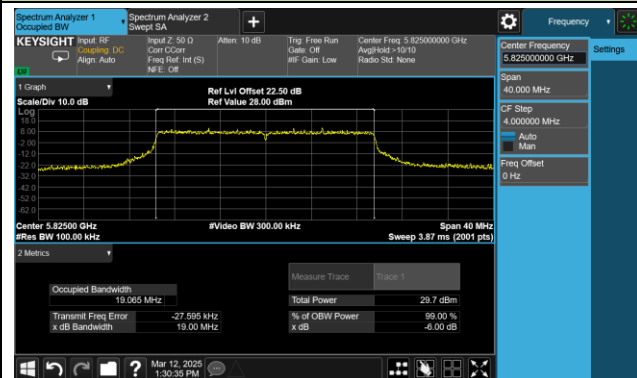
Channel 149 (5745MHz)



Channel 157 (5785MHz)

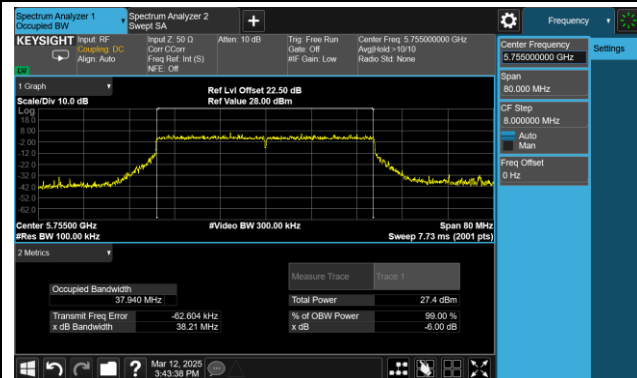


Channel 165 (5825MHz)

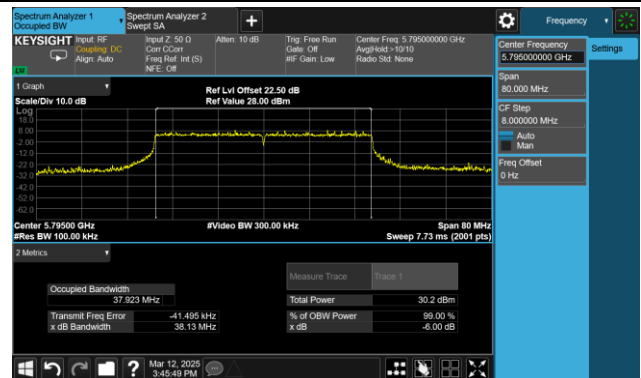


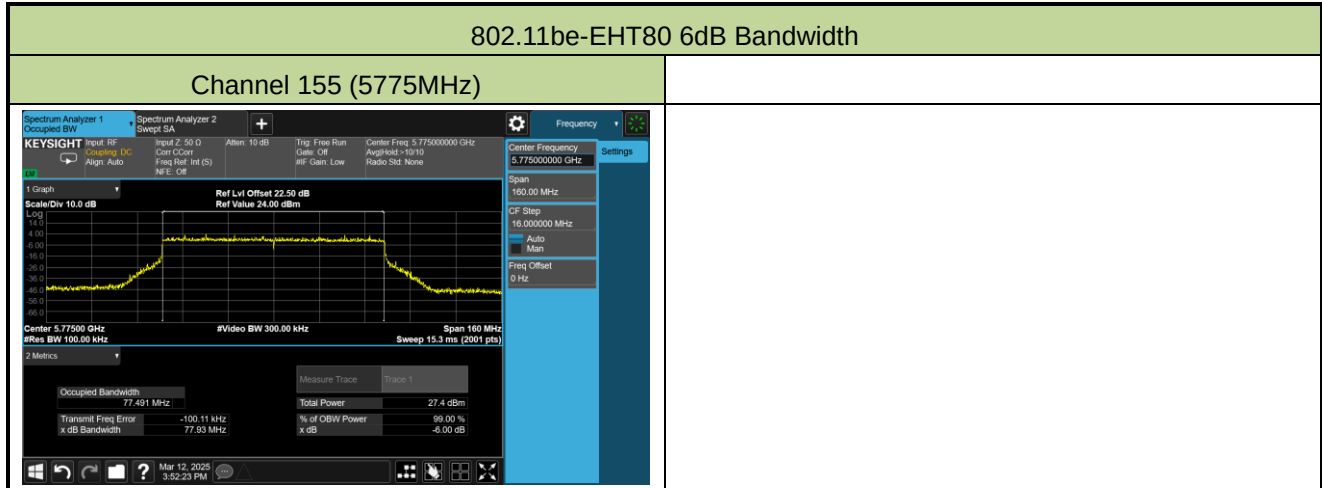
802.11be-EHT40 6dB Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)





A.4 Output Power Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-03-09	Test Mode	CDD Mode

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	19.73	18.71	19.22	20.34	25.56	≤ 30.00
11a	6Mbps	44	5220	21.37	21.16	22.16	22.36	27.81	≤ 30.00
11a	6Mbps	48	5240	21.59	21.25	22.19	22.89	28.05	≤ 30.00
11a	6Mbps	52	5260	15.13	14.83	15.47	16.28	21.48	≤ 23.98
11a	6Mbps	60	5300	15.19	14.83	15.56	16.21	21.50	≤ 23.98
11a	6Mbps	64	5320	15.17	14.75	15.56	16.06	21.43	≤ 23.98
11a	6Mbps	100	5500	15.28	14.96	15.76	16.36	21.64	≤ 23.98
11a	6Mbps	116	5580	14.82	14.77	15.53	16.10	21.36	≤ 23.98
11a	6Mbps	140	5700	15.01	15.23	15.88	16.31	21.66	≤ 23.98
11a	6Mbps	144	5720	15.02	15.36	15.54	15.94	21.50	≤ 23.98
11a	6Mbps	149	5745	23.35	23.02	23.31	23.81	29.40	≤ 30.00
11a	6Mbps	157	5785	22.44	22.66	23.12	23.67	29.02	≤ 30.00
11a	6Mbps	165	5825	22.82	22.78	23.16	23.90	29.21	≤ 30.00
11ac-VHT20	MCS0	36	5180	19.68	18.66	19.23	20.21	25.50	≤ 30.00
11ac-VHT20	MCS0	44	5220	21.91	21.68	22.56	23.04	28.35	≤ 30.00
11ac-VHT20	MCS0	48	5240	21.78	21.33	22.18	22.71	28.05	≤ 30.00
11ac-VHT20	MCS0	52	5260	15.68	15.38	16.07	16.95	22.08	≤ 23.98
11ac-VHT20	MCS0	60	5300	15.82	15.31	16.17	16.87	22.10	≤ 23.98
11ac-VHT20	MCS0	64	5320	15.57	15.30	16.06	16.63	21.94	≤ 23.98
11ac-VHT20	MCS0	100	5500	15.71	15.41	16.35	16.91	22.15	≤ 23.98
11ac-VHT20	MCS0	116	5580	15.52	15.42	16.10	16.76	22.00	≤ 23.98
11ac-VHT20	MCS0	140	5700	15.51	15.62	16.27	16.73	22.08	≤ 23.98
11ac-VHT20	MCS0	144	5720	15.65	15.86	16.04	16.46	22.03	≤ 23.98
11ac-VHT20	MCS0	149	5745	23.25	22.51	23.22	23.66	29.20	≤ 30.00
11ac-VHT20	MCS0	157	5785	22.61	22.93	23.16	23.75	29.15	≤ 30.00
11ac-VHT20	MCS0	165	5825	22.97	22.54	23.12	23.68	29.12	≤ 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	16.01	15.33	15.78	16.75	22.02	≤ 30.00
11ac-VHT40	MCS0	46	5230	23.18	23.10	23.52	24.69	29.69	≤ 30.00
11ac-VHT40	MCS0	54	5270	17.06	16.71	17.59	18.43	23.52	≤ 23.98
11ac-VHT40	MCS0	62	5310	17.02	16.79	17.81	18.49	23.60	≤ 23.98
11ac-VHT40	MCS0	102	5510	17.05	17.09	17.93	18.44	23.69	≤ 23.98
11ac-VHT40	MCS0	110	5550	17.28	17.27	18.29	18.57	23.91	≤ 23.98
11ac-VHT40	MCS0	134	5670	16.68	16.54	17.22	17.71	23.08	≤ 23.98
11ac-VHT40	MCS0	142	5710	16.37	16.64	17.52	17.93	23.18	≤ 23.98
11ac-VHT40	MCS0	151	5755	20.41	19.78	20.61	21.05	26.51	≤ 30.00
11ac-VHT40	MCS0	159	5795	21.69	22.07	22.43	23.21	28.41	≤ 30.00
11ac-VHT80	MCS0	42	5210	14.61	14.05	14.55	15.38	20.69	≤ 30.00
11ac-VHT80	MCS0	58	5290	15.45	15.35	15.74	16.13	21.70	≤ 23.98
11ac-VHT80	MCS0	106	5530	16.35	16.24	17.02	17.43	22.81	≤ 23.98
11ac-VHT80	MCS0	122	5610	16.79	16.48	17.11	17.41	22.98	≤ 23.98
11ac-VHT80	MCS0	138	5690	16.42	16.28	17.23	17.45	22.89	≤ 23.98
11ac-VHT80	MCS0	155	5775	18.32	18.35	18.71	19.25	24.69	≤ 30.00
11ac-VHT160	MCS0	50	5250	13.99	14.02	14.23	15.15	20.39	≤ 23.98
11ac-VHT160	MCS0	114	5570	14.35	14.15	14.73	15.21	20.65	≤ 23.98
11ax-HE20	MCS0	36	5180	19.26	18.31	18.66	19.55	24.99	≤ 30.00
11ax-HE20	MCS0	44	5220	22.62	21.80	22.93	23.21	28.69	≤ 30.00
11ax-HE20	MCS0	48	5240	22.68	22.16	22.86	23.38	28.81	≤ 30.00
11ax-HE20	MCS0	52	5260	15.83	15.51	16.11	17.03	22.18	≤ 23.98
11ax-HE20	MCS0	60	5300	15.89	15.63	16.32	17.01	22.27	≤ 23.98
11ax-HE20	MCS0	64	5320	15.82	15.35	16.23	16.76	22.09	≤ 23.98
11ax-HE20	MCS0	100	5500	15.85	15.75	16.38	17.08	22.32	≤ 23.98
11ax-HE20	MCS0	116	5580	16.23	15.97	16.65	17.32	22.59	≤ 23.98
11ax-HE20	MCS0	140	5700	15.75	15.85	16.41	17.03	22.31	≤ 23.98
11ax-HE20	MCS0	144	5720	16.02	16.11	16.62	17.24	22.55	≤ 23.98
11ax-HE20	MCS0	149	5745	23.37	23.02	23.24	24.02	29.45	≤ 30.00
11ax-HE20	MCS0	157	5785	23.07	22.92	23.35	23.96	29.36	≤ 30.00
11ax-HE20	MCS0	165	5825	23.12	22.83	23.07	23.87	29.26	≤ 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	16.17	15.98	16.56	17.44	22.60	≤ 30.00
11ax-HE40	MCS0	46	5230	22.65	22.62	23.07	23.96	29.13	≤ 30.00
11ax-HE40	MCS0	54	5270	16.96	16.72	17.55	18.39	23.47	≤ 23.98
11ax-HE40	MCS0	62	5310	16.95	16.75	17.72	18.35	23.51	≤ 23.98
11ax-HE40	MCS0	102	5510	15.17	14.88	15.79	16.23	21.57	≤ 23.98
11ax-HE40	MCS0	110	5550	16.68	16.51	17.44	17.97	23.21	≤ 23.98
11ax-HE40	MCS0	134	5670	16.48	16.58	16.95	17.42	22.89	≤ 23.98
11ax-HE40	MCS0	142	5710	16.14	16.41	17.45	17.42	22.92	≤ 23.98
11ax-HE40	MCS0	151	5755	20.71	20.55	20.86	21.57	26.96	≤ 30.00
11ax-HE40	MCS0	159	5795	21.93	21.97	22.10	22.95	28.28	≤ 30.00
11ax-HE80	MCS0	42	5210	14.04	13.83	14.21	15.08	20.34	≤ 30.00
11ax-HE80	MCS0	58	5290	15.38	15.20	15.59	16.44	21.70	≤ 23.98
11ax-HE80	MCS0	106	5530	15.06	14.82	15.42	16.05	21.38	≤ 23.98
11ax-HE80	MCS0	122	5610	16.63	16.50	17.56	17.80	23.18	≤ 23.98
11ax-HE80	MCS0	138	5690	16.55	16.45	17.41	17.57	23.04	≤ 23.98
11ax-HE80	MCS0	155	5775	19.12	19.34	19.44	20.09	25.53	≤ 30.00
11ax-HE160	MCS0	50	5250	14.26	14.02	14.38	15.13	20.49	≤ 23.98
11ax-HE160	MCS0	114	5570	15.66	15.45	16.25	16.51	22.01	≤ 23.98
11be-EHT20	MCS0	36	5180	19.19	18.35	18.59	19.25	24.88	≤ 30.00
11be-EHT20	MCS0	44	5220	21.98	21.92	22.62	23.63	28.61	≤ 30.00
11be-EHT20	MCS0	48	5240	22.67	22.08	22.88	23.38	28.80	≤ 30.00
11be-EHT20	MCS0	52	5260	15.64	15.49	16.08	17.13	22.15	≤ 23.98
11be-EHT20	MCS0	60	5300	15.92	15.43	16.16	16.97	22.18	≤ 23.98
11be-EHT20	MCS0	64	5320	15.79	15.37	16.23	16.77	22.09	≤ 23.98
11be-EHT20	MCS0	100	5500	15.81	15.62	16.46	17.04	22.29	≤ 23.98
11be-EHT20	MCS0	116	5580	16.07	16.02	16.72	17.34	22.59	≤ 23.98
11be-EHT20	MCS0	140	5700	15.49	15.72	16.54	17.13	22.29	≤ 23.98
11be-EHT20	MCS0	144	5720	16.00	16.13	16.70	17.28	22.58	≤ 22.99
11be-EHT20	MCS0	149	5745	22.81	22.89	22.91	23.79	29.14	≤ 30.00
11be-EHT20	MCS0	157	5785	22.95	22.96	23.14	23.83	29.26	≤ 30.00
11be-EHT20	MCS0	165	5825	22.41	22.32	22.30	22.90	28.51	≤ 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	16.27	15.76	16.26	17.21	22.43	≤ 30.00
11be-EHT40	MCS0	46	5230	23.11	23.02	23.45	24.60	29.61	≤ 30.00
11be-EHT40	MCS0	54	5270	16.93	16.63	17.47	18.24	23.38	≤ 23.98
11be-EHT40	MCS0	62	5310	16.20	15.88	16.74	17.57	22.67	≤ 23.98
11be-EHT40	MCS0	102	5510	16.07	15.91	16.84	17.25	22.57	≤ 23.98
11be-EHT40	MCS0	110	5550	17.31	17.12	18.08	18.46	23.80	≤ 23.98
11be-EHT40	MCS0	134	5670	16.77	16.82	17.61	17.93	23.33	≤ 23.98
11be-EHT40	MCS0	142	5710	16.64	16.70	17.57	17.83	23.24	≤ 23.98
11be-EHT40	MCS0	151	5755	20.56	20.63	20.94	21.53	26.95	≤ 30.00
11be-EHT40	MCS0	159	5795	22.85	21.70	22.05	22.85	28.41	≤ 30.00
11be-EHT80	MCS0	42	5210	14.45	14.30	14.95	15.62	20.88	≤ 30.00
11be-EHT80	MCS0	58	5290	15.21	15.03	15.51	16.49	21.62	≤ 23.98
11be-EHT80	MCS0	106	5530	14.97	14.81	15.45	15.84	21.31	≤ 23.98
11be-EHT80	MCS0	122	5610	16.49	16.31	17.21	17.71	22.99	≤ 23.98
11be-EHT80	MCS0	138	5690	16.33	16.27	17.19	17.42	22.85	≤ 23.98
11be-EHT80	MCS0	155	5775	19.56	20.01	20.13	20.85	26.18	≤ 30.00
11be-EHT160	MCS0	50	5250	13.94	13.47	14.31	15.25	20.31	≤ 23.98
11be-EHT160	MCS0	114	5570	14.72	14.45	15.21	15.63	21.05	≤ 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	2025-02-24 ~ 2025-03-07		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)				Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/ MHz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11a	6Mbps	36	5180	7.666	6.649	7.364	8.848	98.39	13.726	≤ 16.20
11a	6Mbps	44	5220	9.548	8.725	9.987	10.433	98.39	15.739	≤ 16.20
11a	6Mbps	48	5240	9.545	9.233	10.079	11.192	98.39	16.099	≤ 16.20
11a	6Mbps	52	5260	3.268	2.904	3.414	4.852	98.39	9.697	≤ 10.20
11a	6Mbps	60	5300	3.328	2.882	3.621	4.863	98.39	9.759	≤ 10.20
11a	6Mbps	64	5320	3.233	2.827	3.545	4.490	98.39	9.589	≤ 10.20
11a	6Mbps	100	5500	3.019	2.778	3.647	4.259	98.39	9.485	≤ 9.90
11a	6Mbps	116	5580	2.852	2.637	3.330	4.069	98.39	9.278	≤ 9.90
11a	6Mbps	140	5700	2.637	2.870	3.546	4.079	98.39	9.341	≤ 9.90
11a	6Mbps	144	5720	2.882	3.136	3.309	3.950	98.39	9.358	≤ 9.90
11ac-VHT20	MCS0	36	5180	7.814	6.756	7.336	8.690	97.64	13.728	≤ 16.20
11ac-VHT20	MCS0	44	5220	9.321	8.974	10.045	10.724	97.64	15.840	≤ 16.20
11ac-VHT20	MCS0	48	5240	8.984	8.757	9.647	10.526	97.64	15.555	≤ 16.20
11ac-VHT20	MCS0	52	5260	3.118	3.045	3.573	4.998	97.64	9.779	≤ 10.20
11ac-VHT20	MCS0	60	5300	3.311	3.005	3.764	4.992	97.64	9.857	≤ 10.20
11ac-VHT20	MCS0	64	5320	3.421	3.054	3.768	4.728	97.64	9.809	≤ 10.20
11ac-VHT20	MCS0	100	5500	3.181	2.842	3.794	4.502	97.64	9.647	≤ 9.90
11ac-VHT20	MCS0	116	5580	3.052	2.785	3.474	4.196	97.64	9.431	≤ 9.90
11ac-VHT20	MCS0	140	5700	2.868	2.999	3.680	4.269	97.64	9.512	≤ 9.90
11ac-VHT20	MCS0	144	5720	2.920	3.115	3.396	4.110	97.64	9.430	≤ 9.90
11ac-VHT40	MCS0	38	5190	0.858	0.195	1.073	2.533	98.70	7.273	≤ 16.20
11ac-VHT40	MCS0	46	5230	7.621	7.762	8.197	9.272	98.70	14.284	≤ 16.20
11ac-VHT40	MCS0	54	5270	1.208	1.021	1.787	2.546	98.70	7.703	≤ 10.20
11ac-VHT40	MCS0	62	5310	1.031	0.937	1.704	2.540	98.70	7.622	≤ 10.20
11ac-VHT40	MCS0	102	5510	0.604	0.773	1.937	2.537	98.70	7.558	≤ 9.90
11ac-VHT40	MCS0	110	5550	1.031	1.217	2.043	2.695	98.70	7.819	≤ 9.90
11ac-VHT40	MCS0	134	5670	1.226	1.001	2.188	2.354	98.70	7.752	≤ 9.90
11ac-VHT40	MCS0	142	5710	1.114	1.258	2.183	2.418	98.70	7.801	≤ 9.90

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (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	-3.934	-4.004	-3.436	-2.391	96.40	2.629	≤ 16.20
11ac-VHT80	MCS0	58	5290	-2.355	-2.677	-2.359	-1.340	96.40	3.868	≤ 10.20
11ac-VHT80	MCS0	106	5530	-2.155	-2.864	-1.302	-0.813	96.40	4.308	≤ 9.90
11ac-VHT80	MCS0	122	5610	-1.631	-1.985	-0.893	-0.503	96.40	4.807	≤ 9.90
11ac-VHT80	MCS0	138	5690	-2.045	-2.246	-1.135	-0.894	96.40	4.479	≤ 9.90
11ac-VHT160	MCS0	50	5250	-6.604	-6.616	-6.285	-5.377	98.71	-0.170	≤ 10.20
11ac-VHT160	MCS0	114	5570	-6.724	-7.001	-6.170	-5.807	98.71	-0.380	≤ 9.90
11ax-HE20	MCS0	36	5180	6.973	5.619	6.490	7.649	96.62	12.765	≤ 16.20
11ax-HE20	MCS0	44	5220	9.476	8.922	9.966	10.472	96.62	15.767	≤ 16.20
11ax-HE20	MCS0	48	5240	9.867	9.343	10.066	10.890	96.62	16.098	≤ 16.20
11ax-HE20	MCS0	52	5260	3.076	2.726	3.406	4.922	96.62	9.638	≤ 10.20
11ax-HE20	MCS0	60	5300	3.439	2.840	3.620	4.944	96.62	9.802	≤ 10.20
11ax-HE20	MCS0	64	5320	3.195	2.660	3.511	4.366	96.62	9.498	≤ 10.20
11ax-HE20	MCS0	100	5500	2.866	2.680	3.428	4.199	96.62	9.355	≤ 9.90
11ax-HE20	MCS0	116	5580	3.168	3.192	3.868	4.462	96.62	9.727	≤ 9.90
11ax-HE20	MCS0	140	5700	2.512	2.644	3.237	3.936	96.62	9.140	≤ 9.90
11ax-HE20	MCS0	144	5720	3.069	3.344	3.711	4.387	96.62	9.677	≤ 9.90
11ax-HE40	MCS0	38	5190	1.226	0.107	1.390	2.448	98.10	7.392	≤ 16.20
11ax-HE40	MCS0	46	5230	7.283	6.820	7.729	8.786	98.10	13.738	≤ 16.20
11ax-HE40	MCS0	54	5270	1.242	1.010	1.356	2.772	98.10	7.673	≤ 10.20
11ax-HE40	MCS0	62	5310	1.242	0.964	1.713	2.715	98.10	7.732	≤ 10.20
11ax-HE40	MCS0	102	5510	-0.070	-0.709	0.824	0.805	98.10	6.280	≤ 9.90
11ax-HE40	MCS0	110	5550	1.311	1.156	2.431	2.653	98.10	7.959	≤ 9.90
11ax-HE40	MCS0	134	5670	1.064	0.810	1.853	1.971	98.10	7.473	≤ 9.90
11ax-HE40	MCS0	142	5710	0.613	0.752	1.723	1.867	98.10	7.295	≤ 9.90
11ax-HE80	MCS0	42	5210	-4.208	-4.664	-3.903	-2.551	97.91	2.263	≤ 16.20
11ax-HE80	MCS0	58	5290	-2.704	-2.619	-2.322	-1.424	97.91	3.784	≤ 10.20
11ax-HE80	MCS0	106	5530	-3.398	-3.568	-2.754	-2.161	97.91	3.087	≤ 9.90
11ax-HE80	MCS0	122	5610	-2.232	-2.742	-1.571	-1.204	97.91	4.124	≤ 9.90
11ax-HE80	MCS0	138	5690	-2.706	-2.696	-1.806	-1.362	97.91	3.917	≤ 9.90
11ax-HE160	MCS0	50	5250	-6.849	-6.579	-6.541	-5.312	96.81	-0.257	≤ 10.20
11ax-HE160	MCS0	114	5570	-5.502	-5.668	-4.713	-4.529	96.81	0.945	≤ 9.90

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (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	6.334	5.255	5.801	7.516	98.25	12.330	≤ 16.20
11be-EHT20	MCS0	44	5220	9.530	8.896	9.846	10.458	98.25	15.740	≤ 16.20
11be-EHT20	MCS0	48	5240	9.523	9.348	10.051	11.127	98.25	16.090	≤ 16.20
11be-EHT20	MCS0	52	5260	3.123	2.757	3.368	4.842	98.25	9.619	≤ 10.20
11be-EHT20	MCS0	60	5300	3.271	2.785	3.525	4.859	98.25	9.701	≤ 10.20
11be-EHT20	MCS0	64	5320	3.192	2.728	3.520	4.532	98.25	9.565	≤ 10.20
11be-EHT20	MCS0	100	5500	2.957	2.738	3.447	4.331	98.25	9.433	≤ 9.90
11be-EHT20	MCS0	116	5580	3.284	3.198	3.768	4.469	98.25	9.730	≤ 9.90
11be-EHT20	MCS0	140	5700	2.680	2.843	3.316	4.083	98.25	9.286	≤ 9.90
11be-EHT20	MCS0	144	5720	3.010	3.292	3.546	4.312	98.25	9.588	≤ 9.90
11be-EHT40	MCS0	38	5190	1.273	0.584	1.097	2.509	97.33	7.446	≤ 16.20
11be-EHT40	MCS0	46	5230	6.618	6.594	7.725	8.789	97.33	13.549	≤ 16.20
11be-EHT40	MCS0	54	5270	0.629	0.963	1.664	2.587	97.33	7.547	≤ 10.20
11be-EHT40	MCS0	62	5310	1.066	0.737	1.644	2.436	97.33	7.540	≤ 10.20
11be-EHT40	MCS0	102	5510	0.120	0.158	1.326	1.735	97.33	6.914	≤ 9.90
11be-EHT40	MCS0	110	5550	1.024	0.848	2.018	2.364	97.33	7.632	≤ 9.90
11be-EHT40	MCS0	134	5670	1.231	1.060	2.236	2.019	97.33	7.686	≤ 9.90
11be-EHT40	MCS0	142	5710	0.563	1.286	2.269	2.033	97.33	7.609	≤ 9.90
11be-EHT80	MCS0	42	5210	-4.134	-4.127	-4.522	-2.133	98.07	2.399	≤ 16.20
11be-EHT80	MCS0	58	5290	-2.942	-2.951	-2.496	-1.411	98.07	3.618	≤ 10.20
11be-EHT80	MCS0	106	5530	-3.288	-3.698	-2.662	-2.254	98.07	3.081	≤ 9.90
11be-EHT80	MCS0	122	5610	-1.796	-2.705	-1.204	-1.002	98.07	4.393	≤ 9.90
11be-EHT80	MCS0	138	5690	-1.982	-2.331	-1.203	-1.101	98.07	4.397	≤ 9.90
11be-EHT160	MCS0	50	5250	-6.743	-6.367	-6.264	-5.189	97.84	-0.080	≤ 10.20
11be-EHT160	MCS0	114	5570	-6.145	-6.440	-5.591	-5.235	97.84	0.193	≤ 9.90

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 5125 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (6.80 - 6) = 16.20dBm/MHz

For 5250 - 5350MHz Band: PSD Limit (dBm/MHz) = 11 - (6.80 - 6) = 10.20dBm/MHz.

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (7.10 - 6) = 9.90dBm/MHz.

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-02-24 ~ 2025-03-07		
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	8.662	8.171	8.689	9.428	98.39	14.782	≤ 29.50
11a	6Mbps	157	5785	8.320	8.208	8.523	9.505	98.39	14.691	≤ 29.50
11a	6Mbps	165	5825	8.264	8.225	8.355	8.815	98.39	14.442	≤ 29.50
11ac-VHT20	MCS0	149	5745	7.512	7.033	7.553	8.716	97.64	13.770	≤ 29.50
11ac-VHT20	MCS0	157	5785	7.527	6.206	7.713	8.562	97.64	13.602	≤ 29.50
11ac-VHT20	MCS0	165	5825	7.509	7.248	7.447	8.612	97.64	13.759	≤ 29.50
11ac-VHT40	MCS0	151	5755	2.105	1.910	2.254	2.921	98.70	8.335	≤ 29.50
11ac-VHT40	MCS0	159	5795	4.328	3.973	4.426	5.227	98.70	10.534	≤ 29.50
11ac-VHT80	MCS0	155	5775	-3.243	-3.173	-2.468	-1.861	96.40	3.372	≤ 29.50
11ax-HE20	MCS0	149	5745	7.874	7.829	7.605	7.325	96.62	13.684	≤ 29.50
11ax-HE20	MCS0	157	5785	7.360	7.273	7.447	8.617	96.62	13.731	≤ 29.50
11ax-HE20	MCS0	165	5825	7.788	6.651	7.450	8.342	96.62	13.621	≤ 29.50
11ax-HE40	MCS0	151	5755	2.330	2.098	2.898	3.247	98.10	8.688	≤ 29.50
11ax-HE40	MCS0	159	5795	3.334	3.071	3.268	4.432	98.10	9.581	≤ 29.50
11ax-HE80	MCS0	155	5775	-1.964	-2.119	-1.766	-0.972	97.91	4.338	≤ 29.50
11be-EHT20	MCS0	149	5745	7.665	7.546	7.599	8.582	98.25	13.890	≤ 29.50
11be-EHT20	MCS0	157	5785	7.420	7.277	7.632	8.522	98.25	13.761	≤ 29.50
11be-EHT20	MCS0	165	5825	7.073	6.792	7.014	7.804	98.25	13.208	≤ 29.50
11be-EHT40	MCS0	151	5755	1.799	1.625	2.420	2.975	97.33	8.259	≤ 29.50
11be-EHT40	MCS0	159	5795	3.232	2.231	3.342	4.210	97.33	9.330	≤ 29.50
11be-EHT80	MCS0	155	5775	-1.944	-2.021	-1.044	-0.583	98.07	4.665	≤ 29.50

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: PSD Limit (dBm/500kHz) = 30 - (6.50 - 6) = 29.50dBm/500kHz.

802.11a Power Spectral Density- Ant 0

Channel 36 (5180MHz)



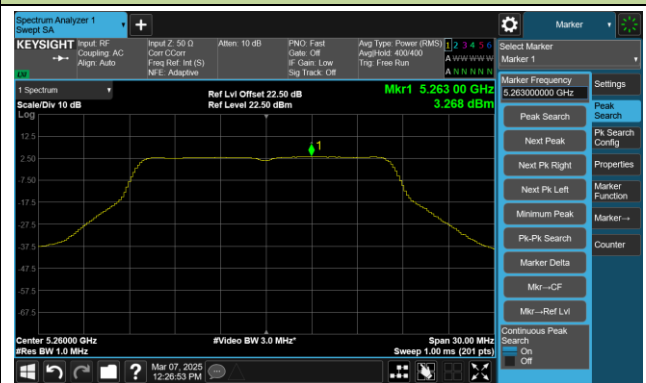
Channel 44 (5220MHz)



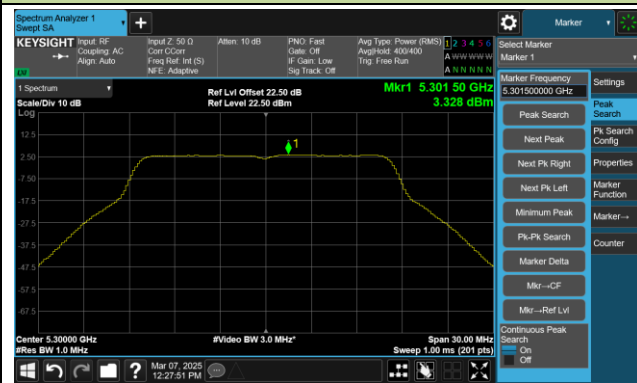
Channel 48 (5240MHz)



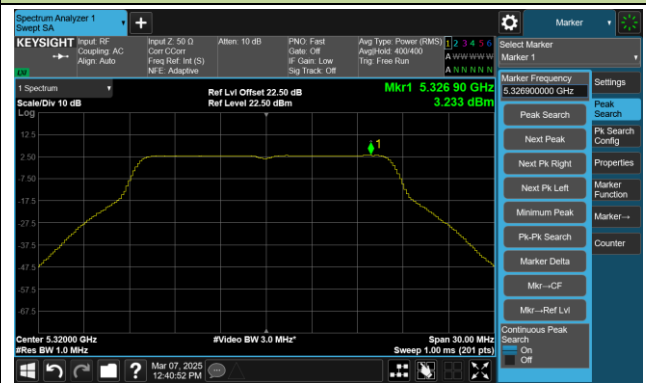
Channel 52 (5260MHz)



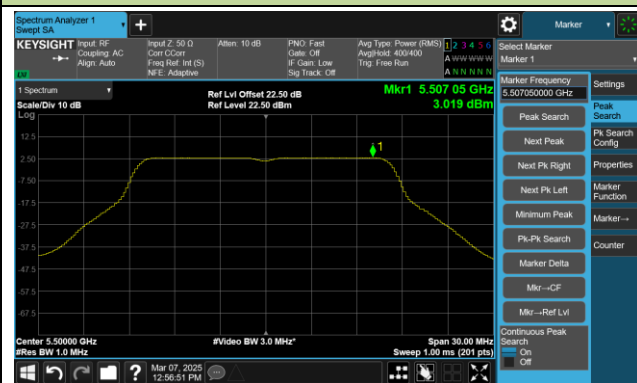
Channel 60 (5300MHz)



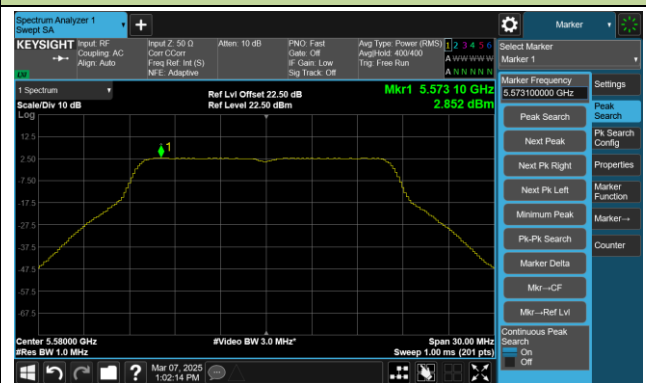
Channel 64 (5320MHz)



Channel 100 (5500MHz)

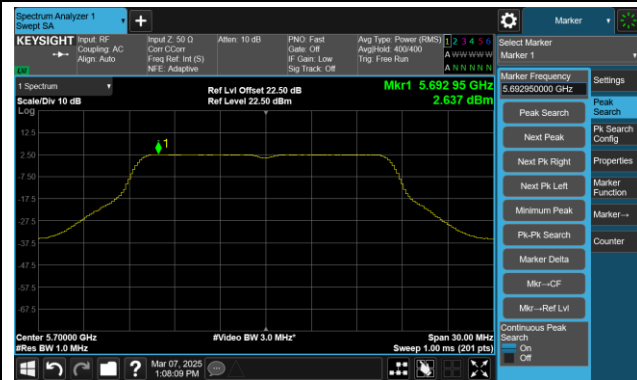


Channel 116 (5580MHz)



802.11a Power Spectral Density- Ant 0

Channel 140 (5700MHz)



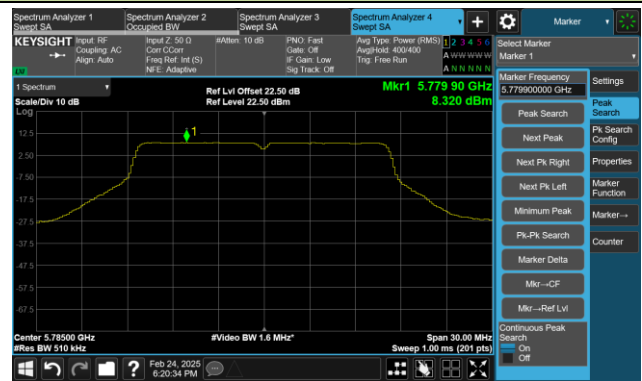
Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

