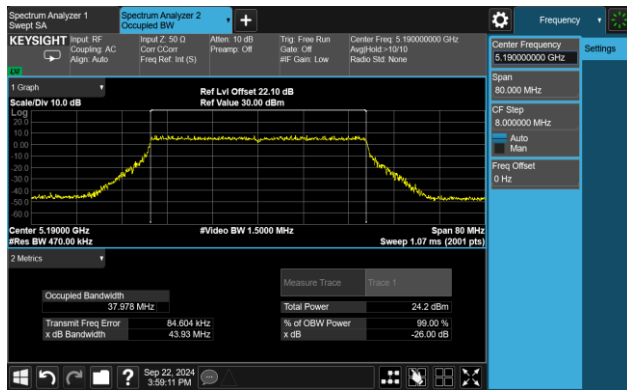
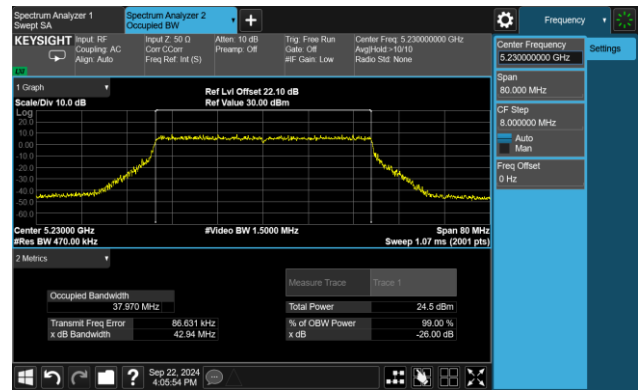


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

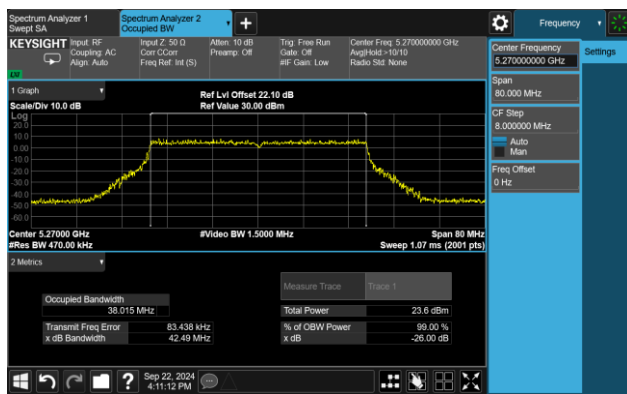
Channel 38 (5190MHz)



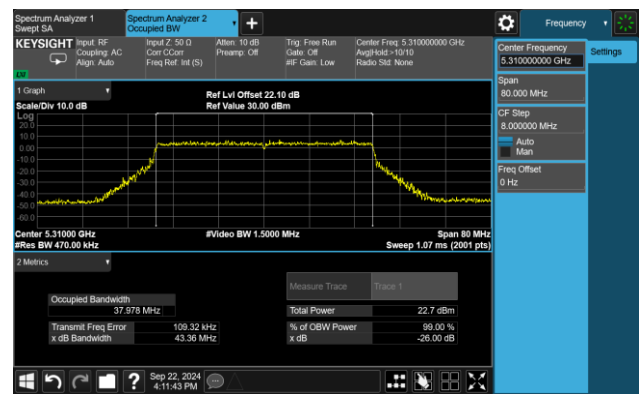
Channel 46 (5230MHz)



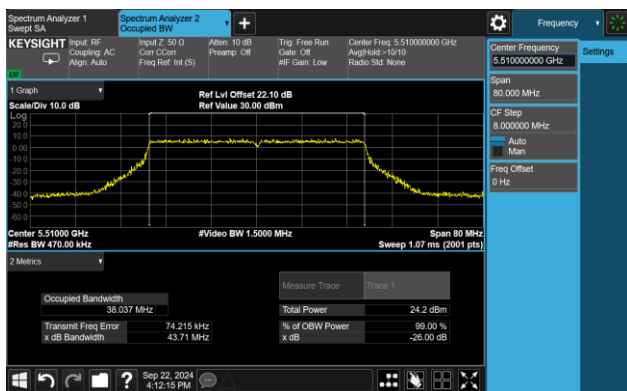
Channel 54 (5270MHz)



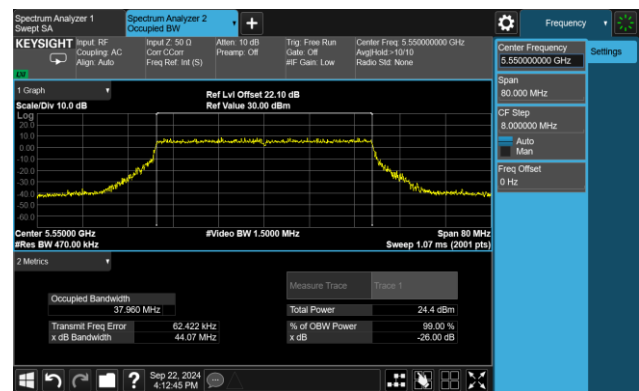
Channel 62 (5310MHz)

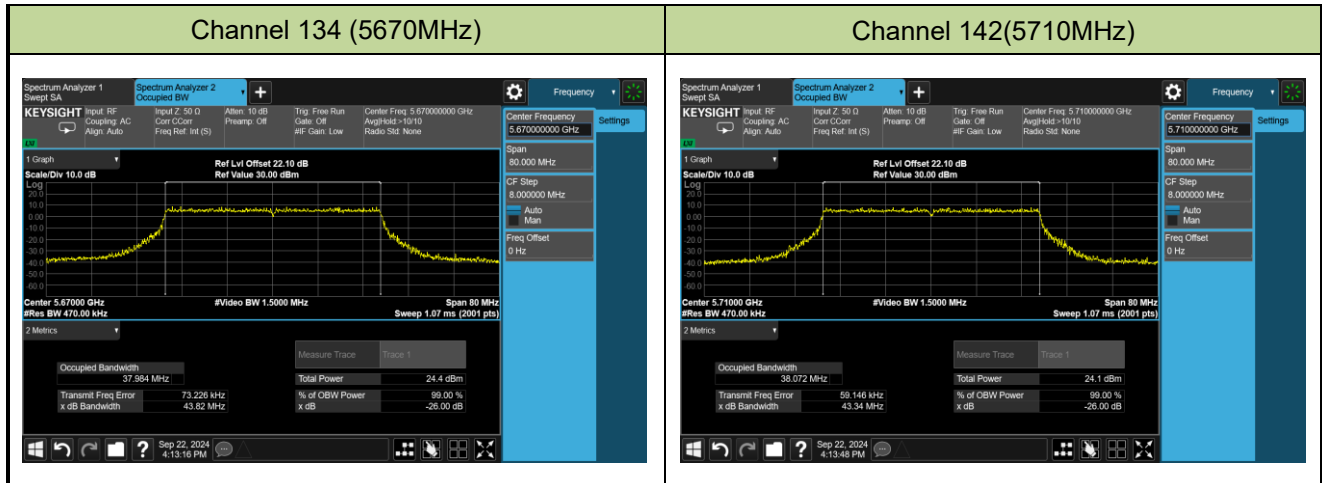


Channel 102 (5510MHz)



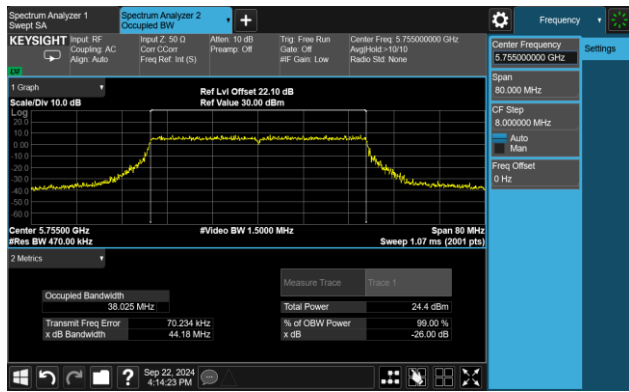
Channel 110 (5550MHz)



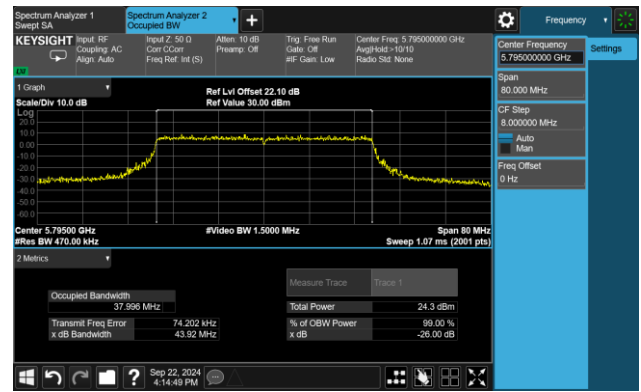


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

Channel 151 (5755MHz)

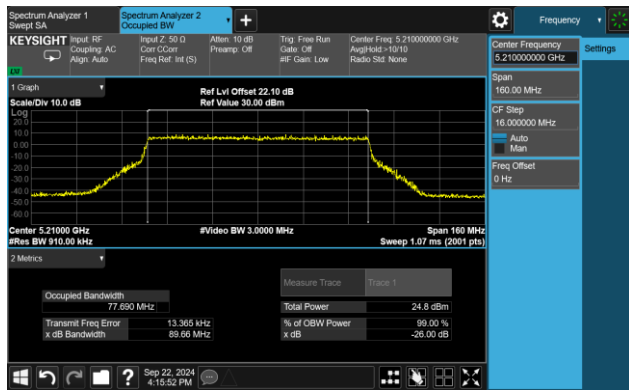


Channel 159 (5795MHz)

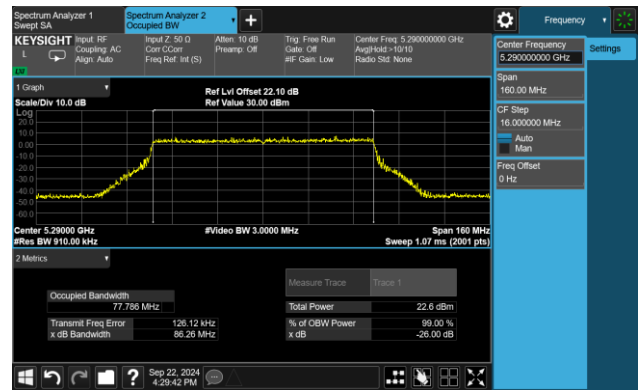


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

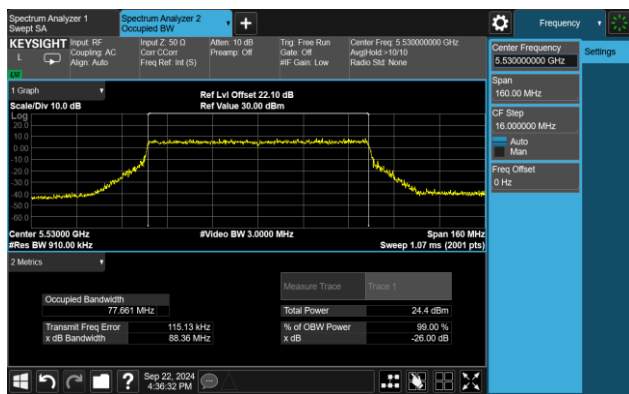
Channel 42 (5210MHz)



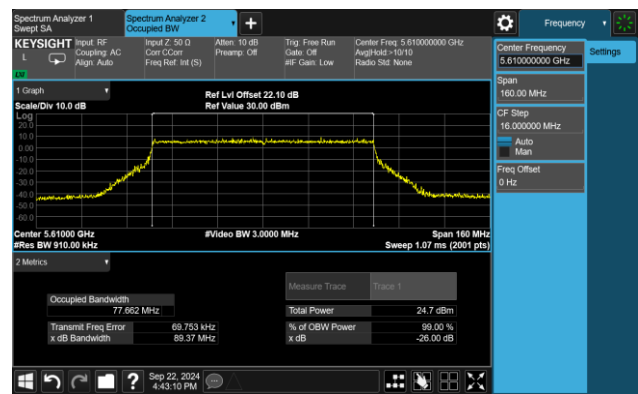
Channel 58 (5290MHz)



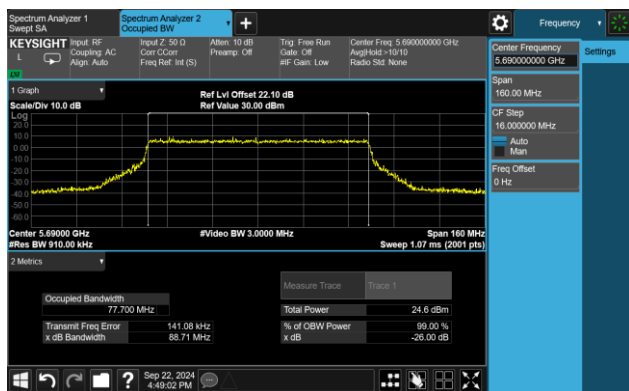
Channel 106 (5530MHz)



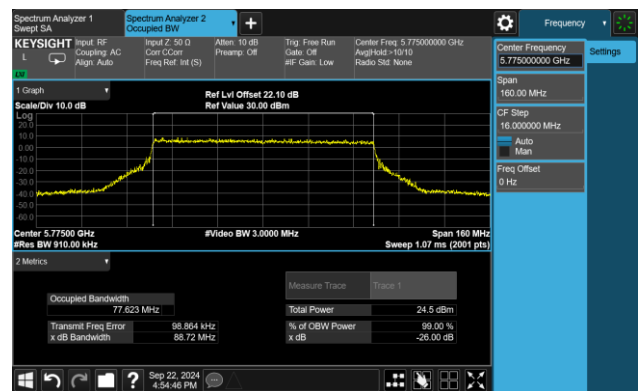
Channel 122 (5610MHz)

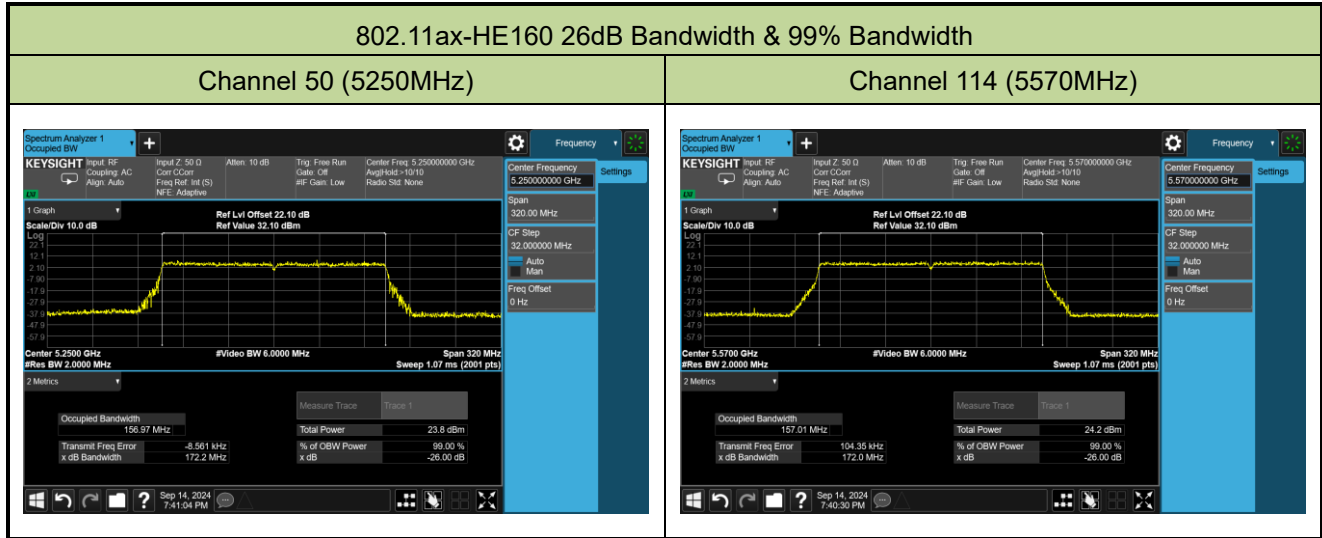


Channel 138 (5690MHz)



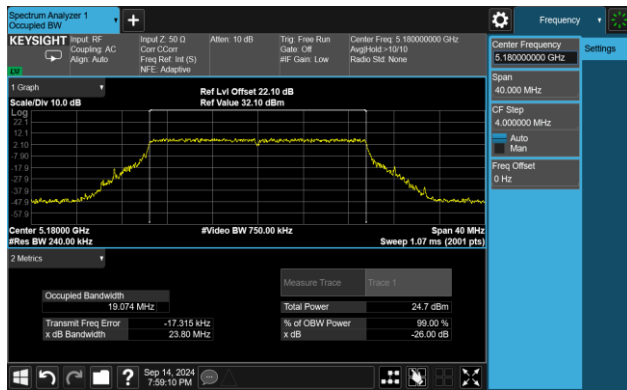
Channel 155 (5775MHz)



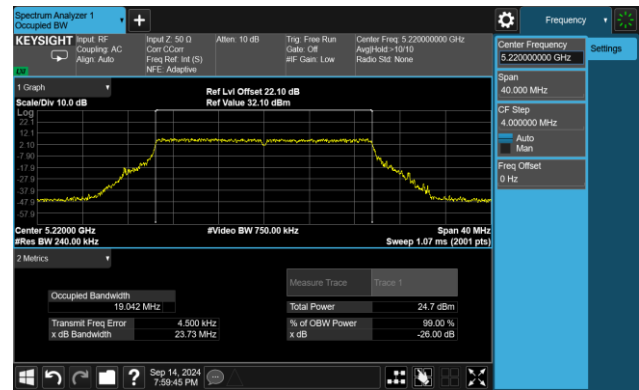


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

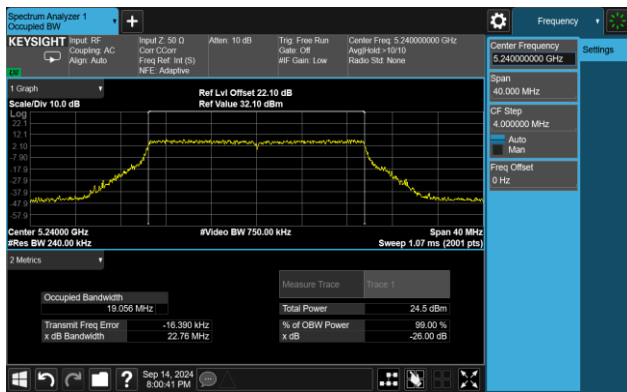
Channel 36 (5180MHz)



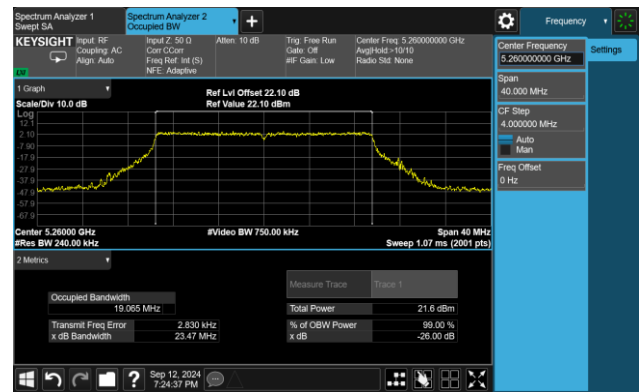
Channel 44 (5220MHz)



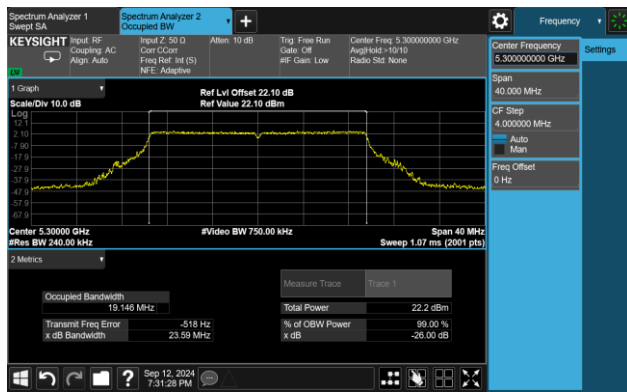
Channel 48 (5240MHz)



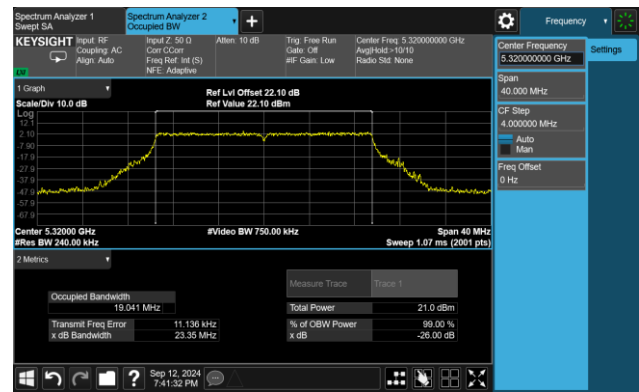
Channel 52 (5260MHz)

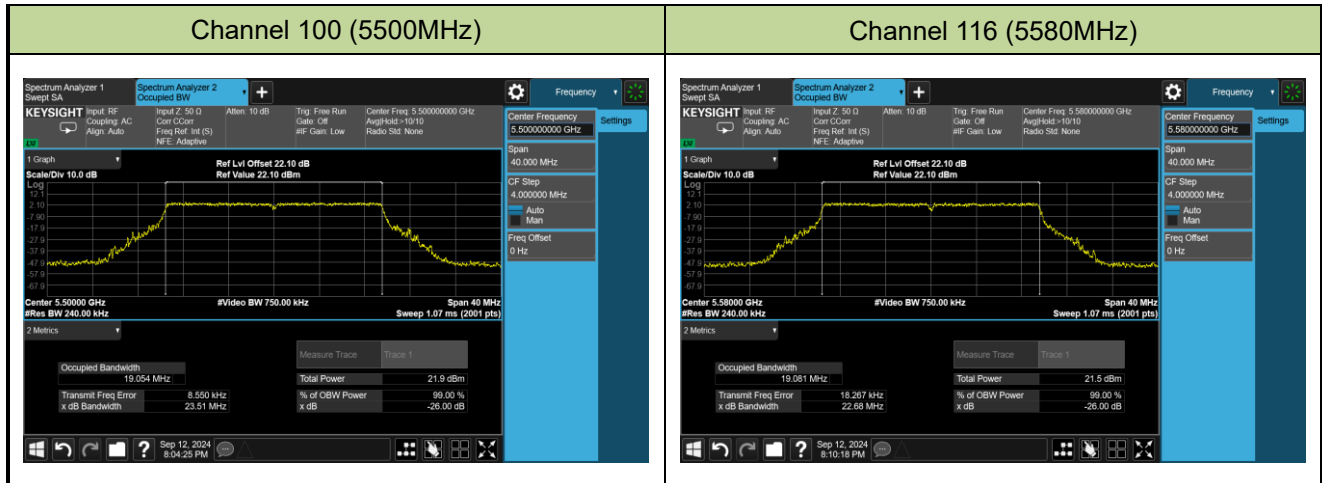


Channel 60 (5300MHz)



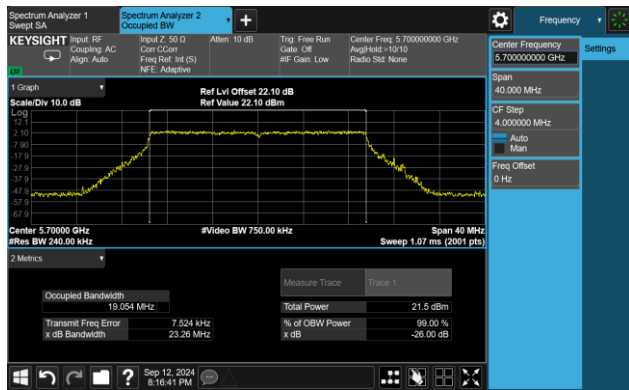
Channel 64 (5320MHz)



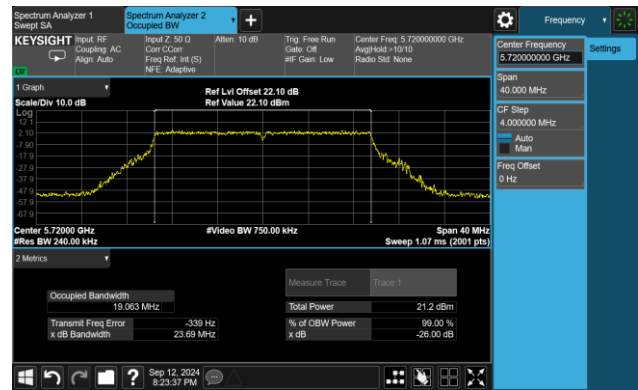


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

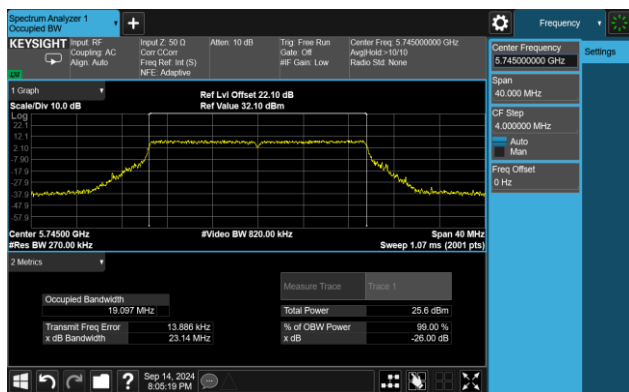
Channel 140 (5700MHz)



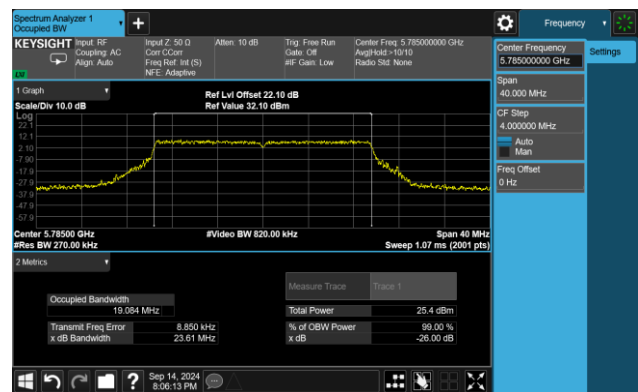
Channel 144(5720MHz)



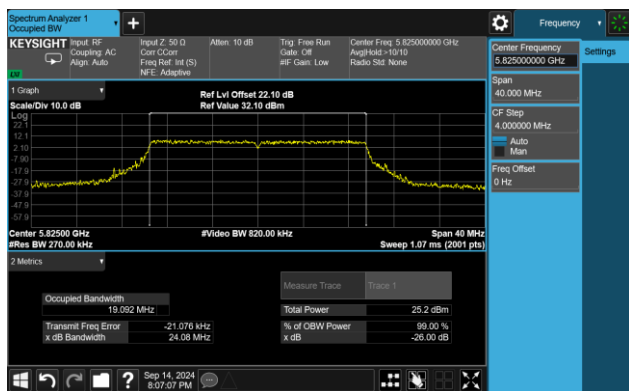
Channel 149 (5745MHz)



Channel 157 (5785MHz)

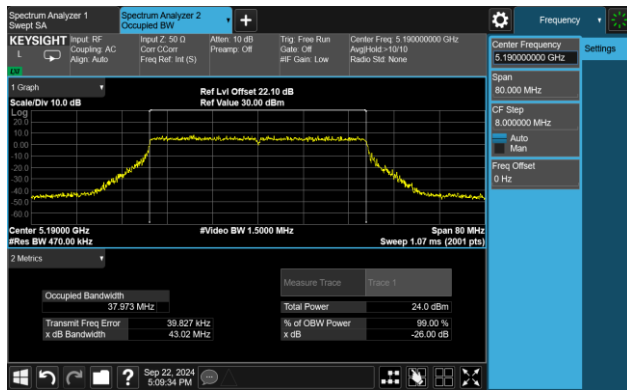


Channel 165 (5825MHz)

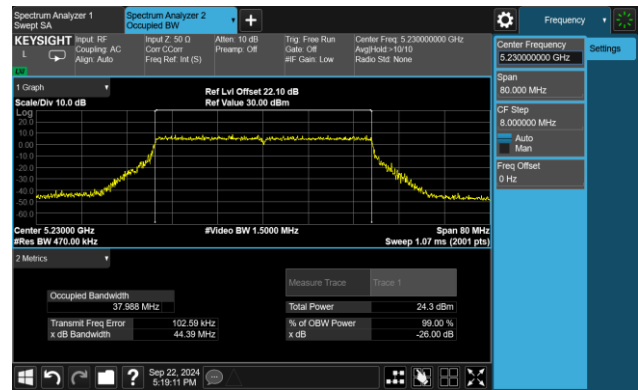


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

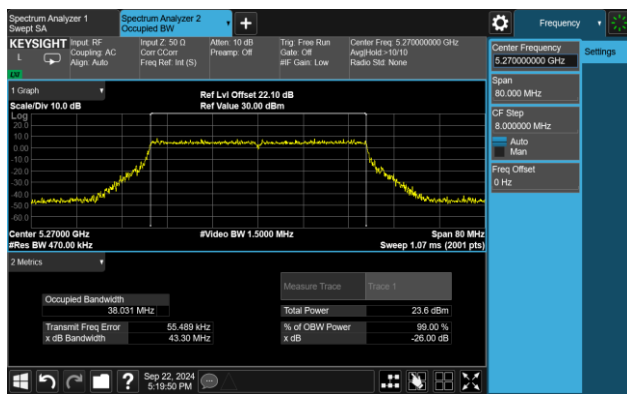
Channel 38 (5190MHz)



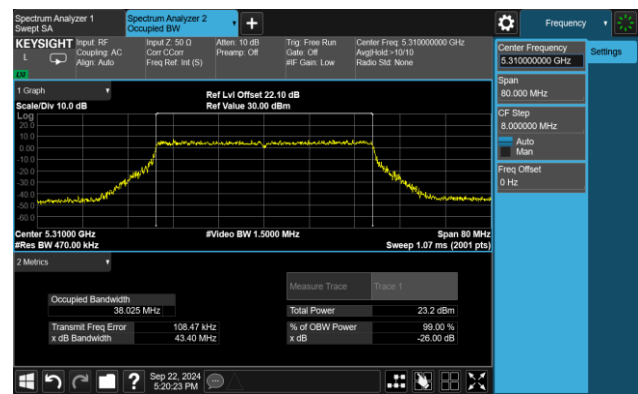
Channel 46 (5230MHz)



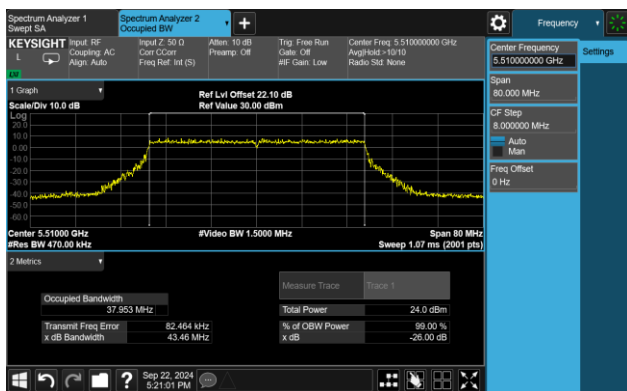
Channel 54 (5270MHz)



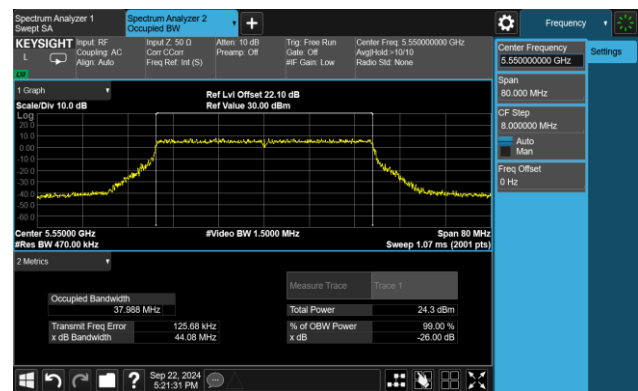
Channel 62 (5310MHz)

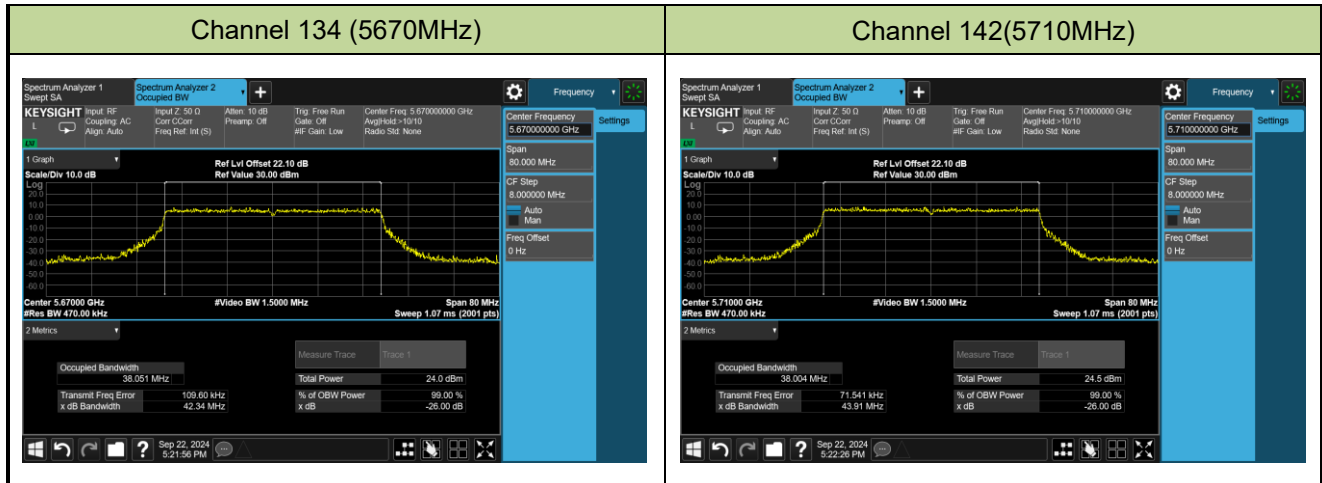


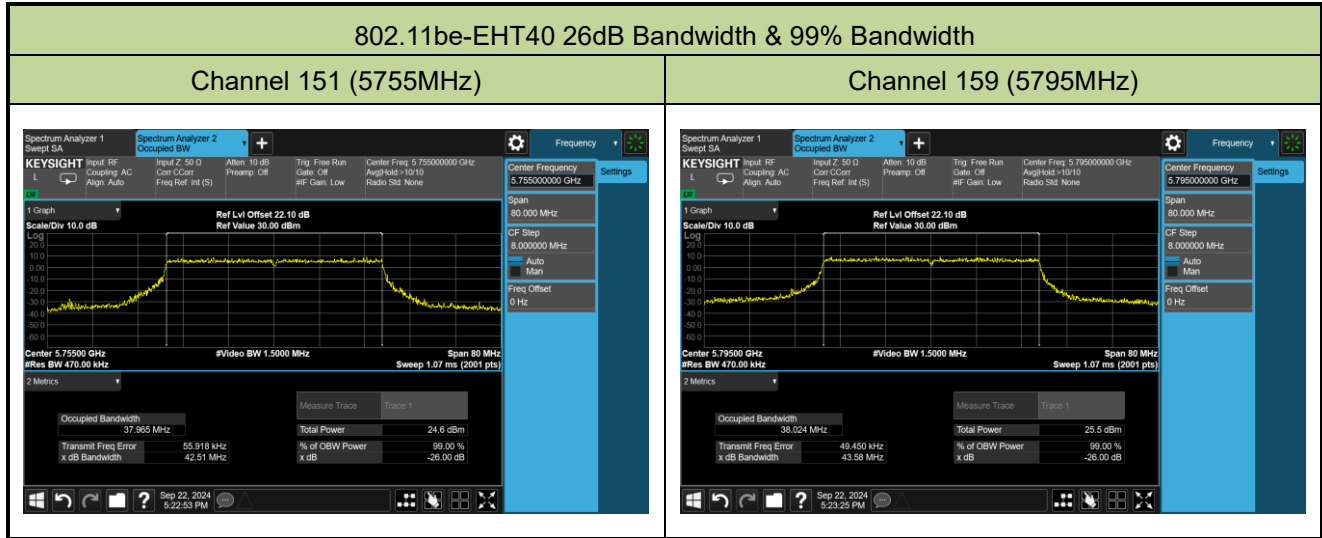
Channel 102 (5510MHz)



Channel 110 (5550MHz)

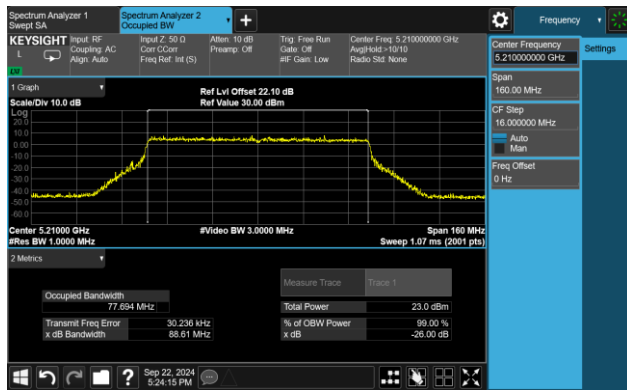




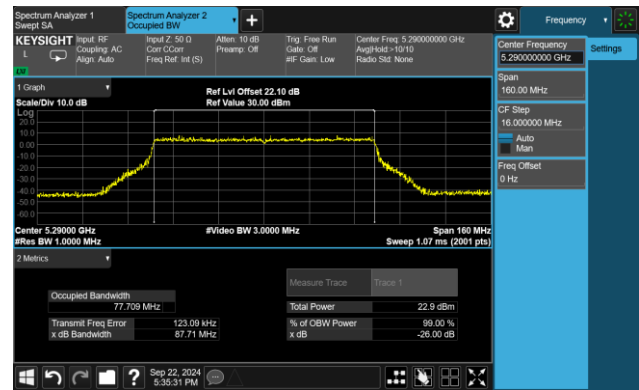


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

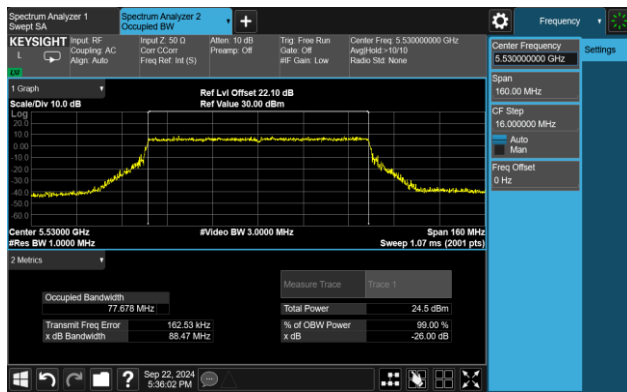
Channel 42 (5210MHz)



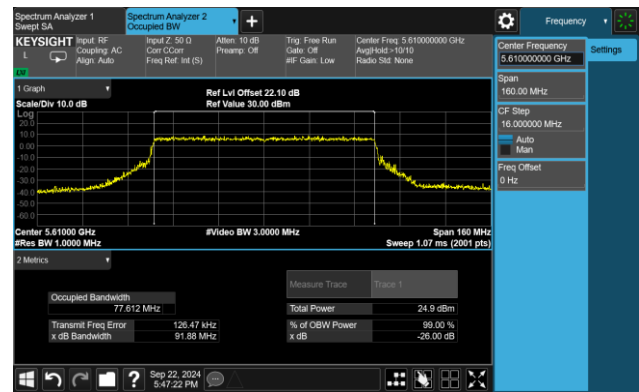
Channel 58 (5290MHz)



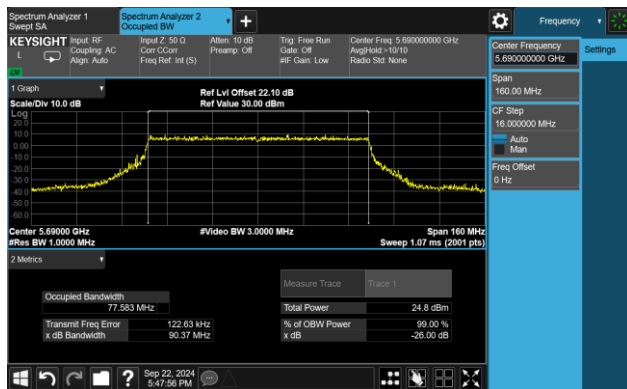
Channel 106 (5530MHz)



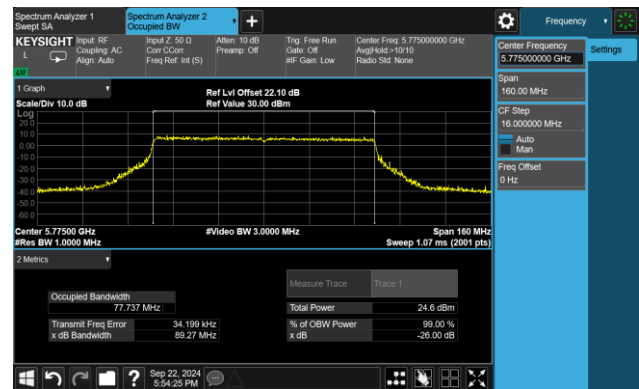
Channel 122 (5610MHz)



Channel 138 (5690MHz)

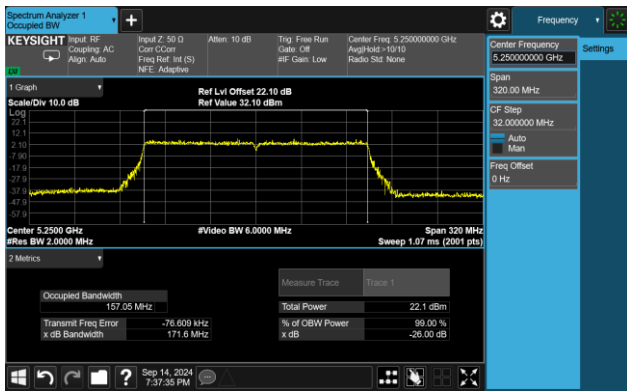


Channel 155 (5775MHz)

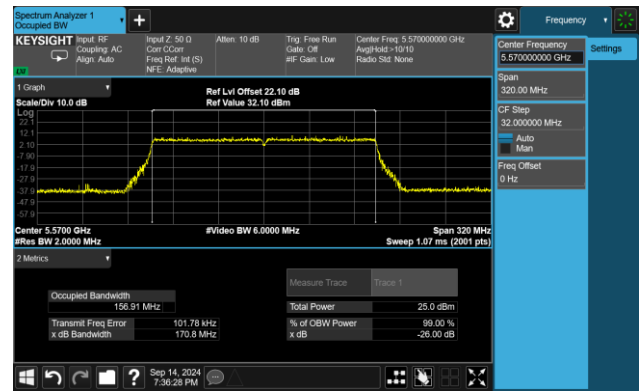


802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)



Channel 114 (5570MHz)



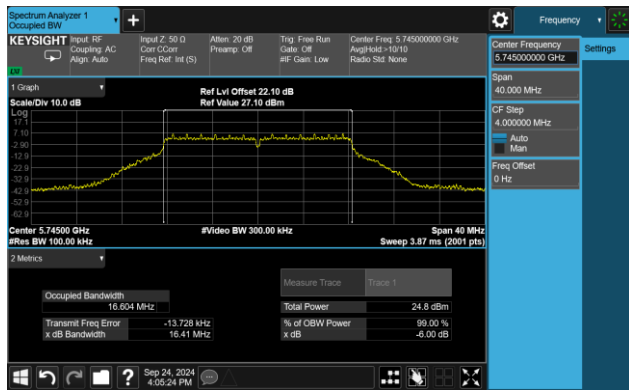
A.3 6dB Bandwidth Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2024-09-24		

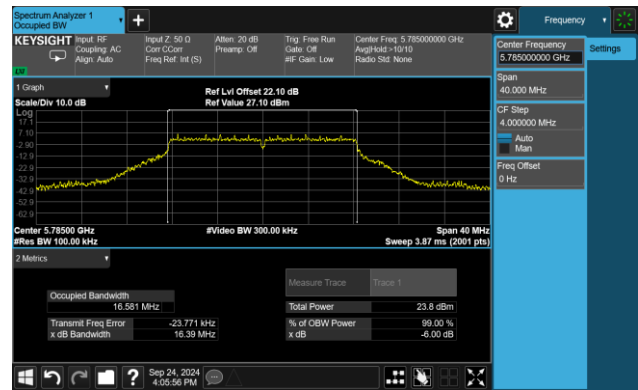
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	16.41	≥0.5
11a	6Mbps	157	5785	16.39	≥0.5
11a	6Mbps	165	5825	16.37	≥0.5
11ac-VHT20	MCS0	149	5745	17.64	≥0.5
11ac-VHT20	MCS0	157	5785	17.62	≥0.5
11ac-VHT20	MCS0	165	5825	17.83	≥0.5
11ac-VHT40	MCS0	151	5755	36.43	≥0.5
11ac-VHT40	MCS0	159	5795	36.51	≥0.5
11ac-VHT80	MCS0	155	5775	76.42	≥0.5
11ax-HE20	MCS0	149	5745	19.05	≥0.5
11ax-HE20	MCS0	157	5785	19.06	≥0.5
11ax-HE20	MCS0	165	5825	19.09	≥0.5
11ax-HE40	MCS0	151	5755	38.14	≥0.5
11ax-HE40	MCS0	159	5795	38.13	≥0.5
11ax-HE80	MCS0	155	5775	78.14	≥0.5
11be-EHT20	MCS0	149	5745	19.09	≥0.5
11be-EHT20	MCS0	157	5785	19.03	≥0.5
11be-EHT20	MCS0	165	5825	18.98	≥0.5
11be-EHT40	MCS0	151	5755	38.18	≥0.5
11be-EHT40	MCS0	159	5795	38.09	≥0.5
11be-EHT80	MCS0	155	5775	78.04	≥0.5

802.11a 6dB Bandwidth

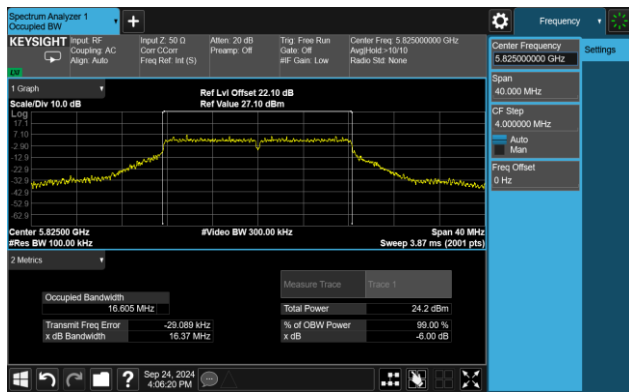
Channel 149 (5745MHz)



Channel 157 (5785MHz)

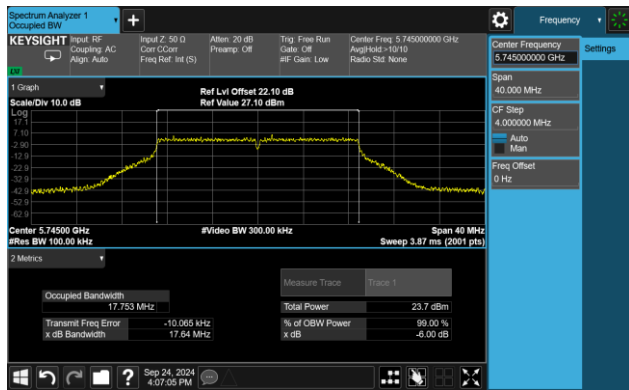


Channel 165 (5825MHz)

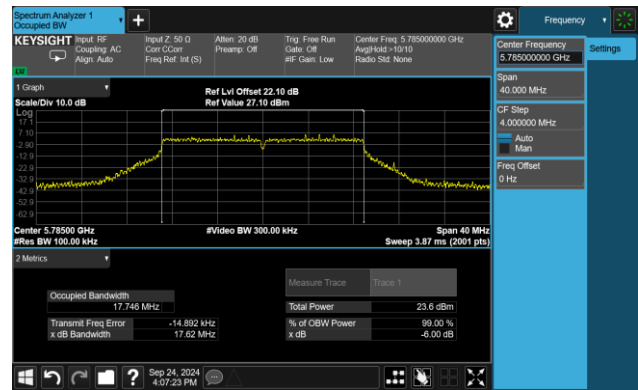


802.11ac-VHT20 6dB Bandwidth

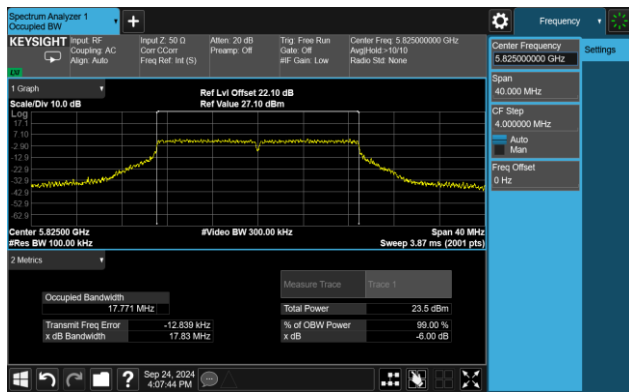
Channel 149 (5745MHz)



Channel 157 (5785MHz)

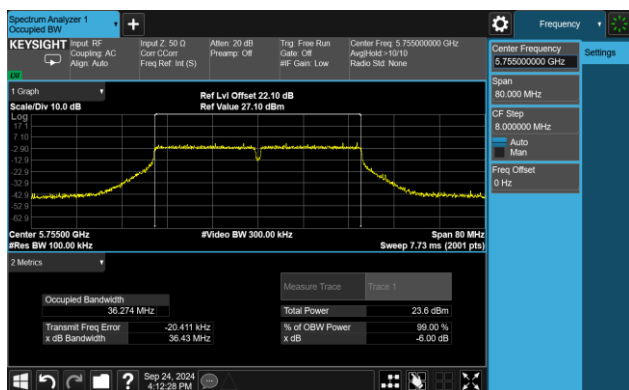


Channel 165 (5825MHz)

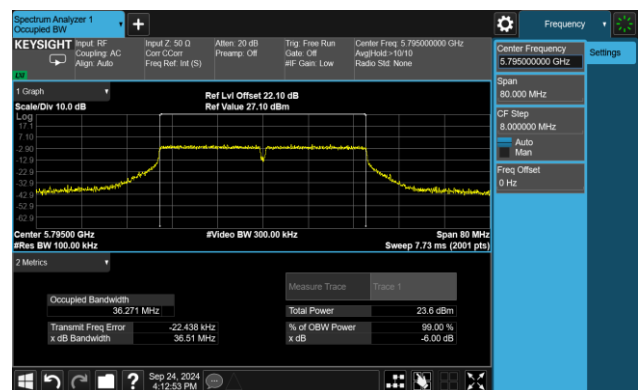


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

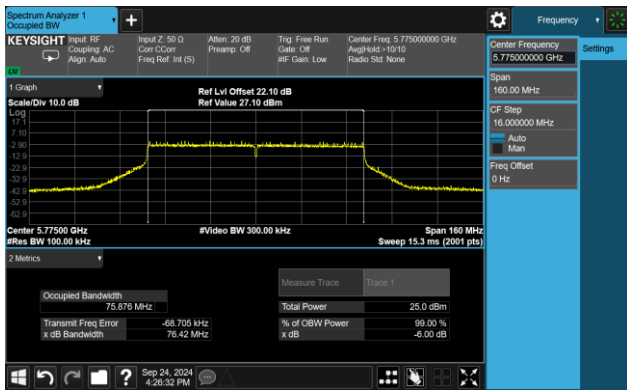


Channel 159 (5795MHz)



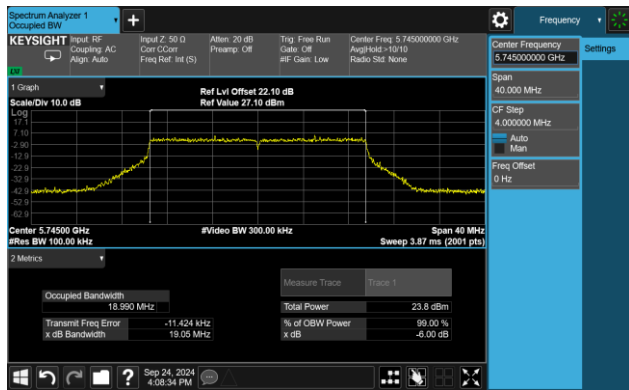
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

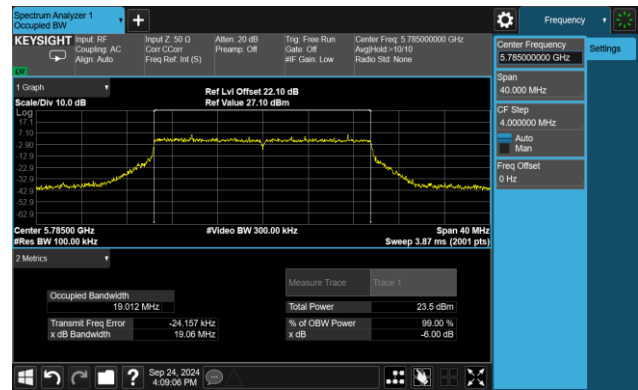


802.11ax-HE20 6dB Bandwidth

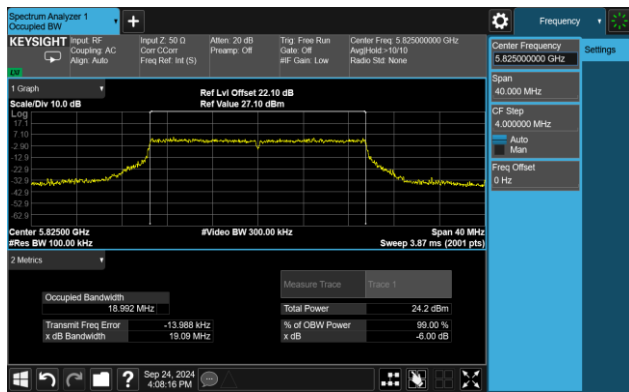
Channel 149 (5745MHz)



Channel 157 (5785MHz)

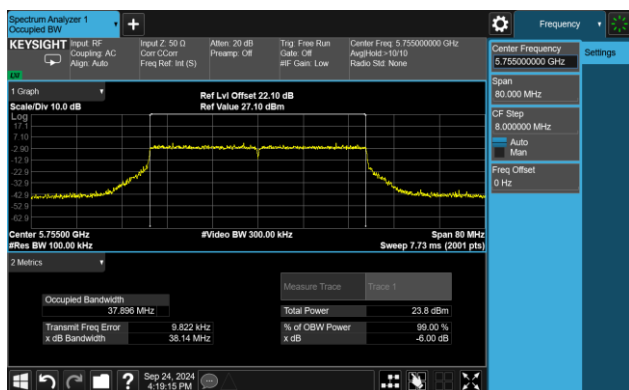


Channel 165 (5825MHz)

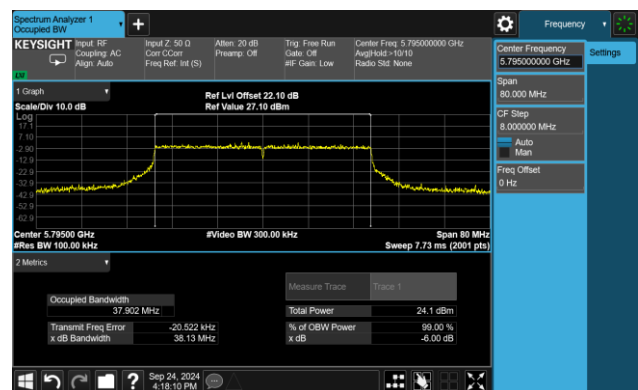


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

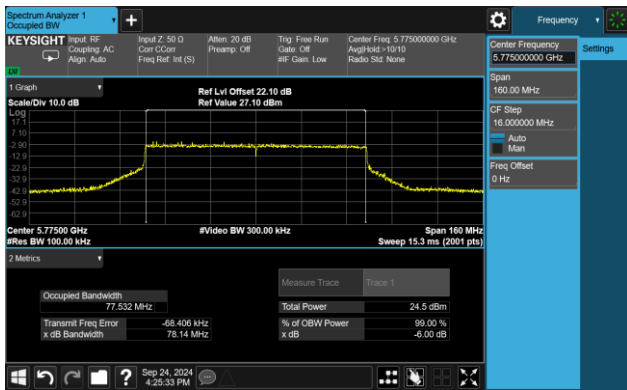


Channel 159 (5795MHz)



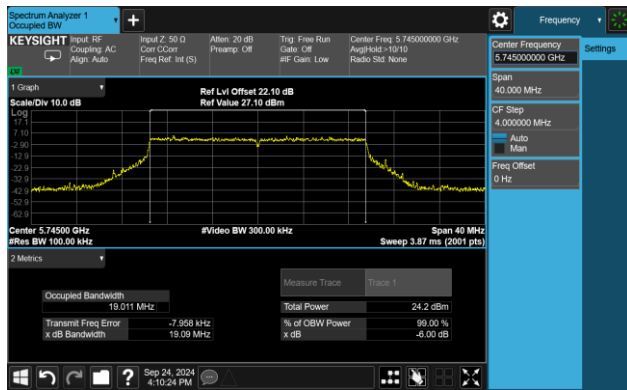
802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)

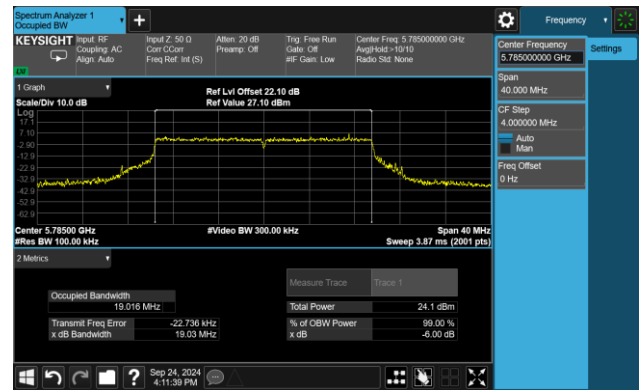


802.11be-EHT20 6dB Bandwidth

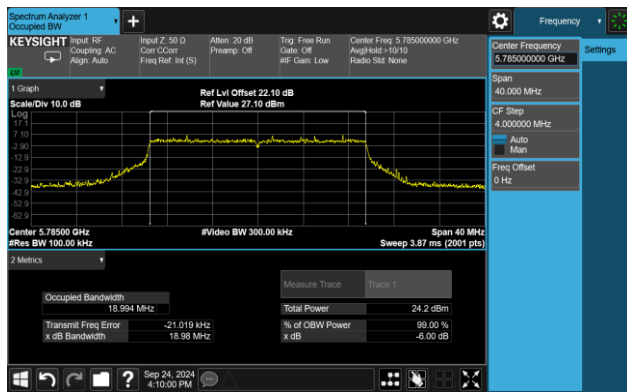
Channel 149 (5745MHz)



Channel 157 (5785MHz)

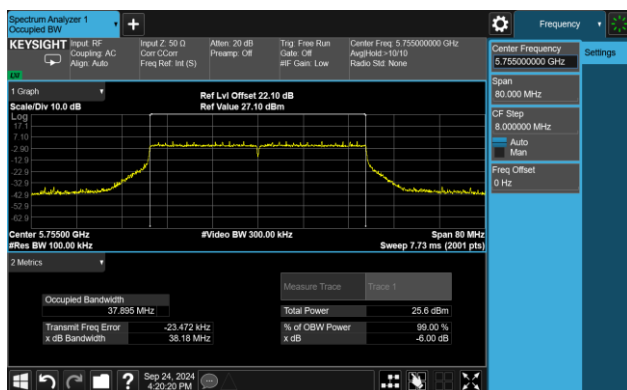


Channel 165 (5825MHz)

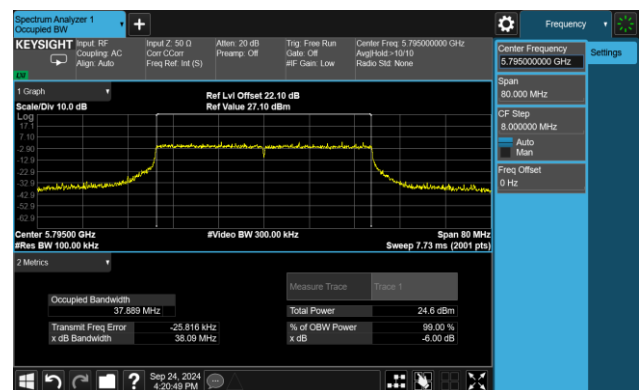


802.11be-EHT40 6dB Bandwidth

Channel 151 (5755MHz)

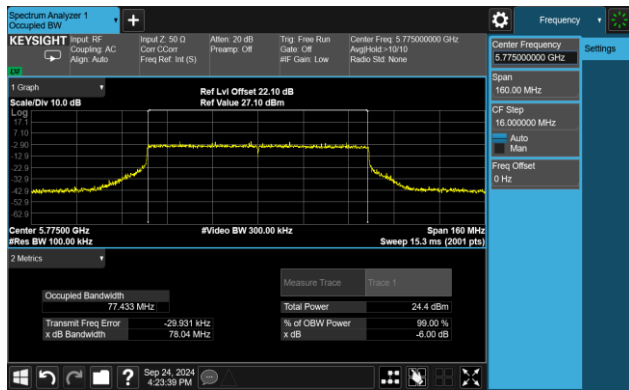


Channel 159 (5795MHz)



802.11be-EHT80 6dB Bandwidth

Channel 155 (5775MHz)



A.4 Output Power Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2024-10-17	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	17.84	16.80	16.70	16.73	23.07	≤ 30.00
11a	6Mbps	44	5220	18.04	17.01	16.89	16.72	23.22	≤ 30.00
11a	6Mbps	48	5240	17.87	16.94	17.03	16.66	23.17	≤ 30.00
11a	6Mbps	52	5260	13.98	13.13	13.22	13.01	19.37	≤ 23.98
11a	6Mbps	60	5300	13.92	12.96	12.93	13.29	19.31	≤ 23.98
11a	6Mbps	64	5320	13.65	12.78	12.65	13.12	19.09	≤ 23.98
11a	6Mbps	100	5500	13.84	12.92	13.03	13.15	19.27	≤ 23.98
11a	6Mbps	116	5580	14.15	13.46	13.43	13.19	19.59	≤ 23.98
11a	6Mbps	140	5700	14.22	12.95	13.39	13.43	19.54	≤ 23.98
11a	6Mbps	144	5720	14.12	12.97	13.75	13.41	19.60	≤ 23.09
11a	6Mbps	149	5745	18.23	17.13	17.82	17.44	23.70	≤ 30.00
11a	6Mbps	157	5785	18.18	17.12	17.49	17.47	23.60	≤ 30.00
11a	6Mbps	165	5825	18.03	17.04	17.19	16.89	23.33	≤ 30.00
11ac-VHT20	MCS0	36	5180	17.98	16.94	16.80	17.04	23.24	≤ 30.00
11ac-VHT20	MCS0	44	5220	17.91	16.75	16.91	16.63	23.10	≤ 30.00
11ac-VHT20	MCS0	48	5240	17.86	16.89	17.12	16.80	23.21	≤ 30.00
11ac-VHT20	MCS0	52	5260	13.43	12.64	12.72	12.61	18.88	≤ 23.98
11ac-VHT20	MCS0	60	5300	13.68	12.75	12.58	12.98	19.04	≤ 23.98
11ac-VHT20	MCS0	64	5320	13.98	12.87	12.91	13.45	19.35	≤ 23.98
11ac-VHT20	MCS0	100	5500	14.13	13.28	13.24	13.40	19.55	≤ 23.98
11ac-VHT20	MCS0	116	5580	13.83	12.96	13.16	13.21	19.32	≤ 23.98
11ac-VHT20	MCS0	140	5700	14.47	12.71	13.60	13.41	19.61	≤ 23.98
11ac-VHT20	MCS0	144	5720	14.25	12.85	13.89	13.56	19.69	≤ 23.15
11ac-VHT20	MCS0	149	5745	18.25	17.01	17.88	17.46	23.70	≤ 30.00
11ac-VHT20	MCS0	157	5785	18.15	17.03	17.46	17.53	23.58	≤ 30.00
11ac-VHT20	MCS0	165	5825	17.98	16.94	17.11	16.79	23.25	≤ 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	17.49	16.52	16.40	16.74	22.83	≤ 30.00
11ac-VHT40	MCS0	46	5230	17.98	17.33	16.93	17.04	23.36	≤ 30.00
11ac-VHT40	MCS0	54	5270	17.05	15.94	16.19	16.51	22.46	≤ 23.98
11ac-VHT40	MCS0	62	5310	15.95	15.34	15.03	15.22	21.42	≤ 23.98
11ac-VHT40	MCS0	102	5510	17.02	16.41	16.29	16.54	22.59	≤ 23.98
11ac-VHT40	MCS0	110	5550	17.10	16.13	16.46	16.39	22.56	≤ 23.98
11ac-VHT40	MCS0	134	5670	17.03	15.97	16.50	16.62	22.57	≤ 23.98
11ac-VHT40	MCS0	142	5710	17.34	15.83	16.79	16.83	22.75	≤ 23.98
11ac-VHT40	MCS0	151	5755	17.87	16.74	17.33	17.14	23.31	≤ 30.00
11ac-VHT40	MCS0	159	5795	18.14	17.26	17.08	17.26	23.48	≤ 30.00
11ac-VHT80	MCS0	42	5210	17.02	15.92	15.65	15.93	22.18	≤ 30.00
11ac-VHT80	MCS0	58	5290	16.21	15.35	15.19	15.43	21.58	≤ 23.98
11ac-VHT80	MCS0	106	5530	18.09	17.55	17.29	17.35	23.60	≤ 23.98
11ac-VHT80	MCS0	122	5610	17.91	16.95	17.07	17.12	23.30	≤ 23.98
11ac-VHT80	MCS0	138	5690	18.23	17.35	17.46	17.53	23.68	≤ 23.98
11ac-VHT80	MCS0	155	5775	18.06	17.14	17.17	17.41	23.48	≤ 30.00
11ac-VHT160	MCS0	50	5250	13.85	12.73	12.95	12.98	19.17	≤ 23.98
11ac-VHT160	MCS0	114	5570	16.98	16.14	16.20	16.31	22.44	≤ 23.98
11ax-HE20	MCS0	36	5180	18.31	17.26	16.98	17.33	23.52	≤ 30.00
11ax-HE20	MCS0	44	5220	18.29	17.12	17.15	17.08	23.46	≤ 30.00
11ax-HE20	MCS0	48	5240	18.19	17.38	17.31	17.01	23.52	≤ 30.00
11ax-HE20	MCS0	52	5260	14.33	12.93	13.27	13.24	19.50	≤ 23.98
11ax-HE20	MCS0	60	5300	14.46	13.11	13.12	13.72	19.66	≤ 23.98
11ax-HE20	MCS0	64	5320	14.18	13.12	13.05	13.24	19.44	≤ 23.98
11ax-HE20	MCS0	100	5500	14.42	13.79	13.98	14.39	20.17	≤ 23.98
11ax-HE20	MCS0	116	5580	14.41	13.65	14.13	13.84	20.04	≤ 23.98
11ax-HE20	MCS0	140	5700	14.48	13.12	13.98	14.08	19.96	≤ 23.98
11ax-HE20	MCS0	144	5720	14.40	13.29	14.22	13.97	20.01	≤ 23.19
11ax-HE20	MCS0	149	5745	17.98	16.79	17.42	17.05	23.35	≤ 30.00
11ax-HE20	MCS0	157	5785	17.82	16.90	17.04	17.34	23.31	≤ 30.00
11ax-HE20	MCS0	165	5825	18.25	17.53	17.42	17.10	23.62	≤ 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	18.26	17.25	16.43	17.30	23.38	≤ 30.00
11ax-HE40	MCS0	46	5230	18.31	17.42	16.96	16.51	23.37	≤ 30.00
11ax-HE40	MCS0	54	5270	16.89	16.01	16.26	16.71	22.50	≤ 23.98
11ax-HE40	MCS0	62	5310	16.20	15.29	15.49	16.04	21.79	≤ 23.98
11ax-HE40	MCS0	102	5510	17.35	16.47	16.79	17.04	22.95	≤ 23.98
11ax-HE40	MCS0	110	5550	17.76	16.66	16.82	16.95	23.09	≤ 23.98
11ax-HE40	MCS0	134	5670	17.53	16.55	16.99	17.22	23.11	≤ 23.98
11ax-HE40	MCS0	142	5710	17.56	16.21	16.63	16.55	22.79	≤ 23.98
11ax-HE40	MCS0	151	5755	17.78	16.90	17.26	17.08	23.29	≤ 30.00
11ax-HE40	MCS0	159	5795	17.95	17.25	17.12	17.21	23.42	≤ 30.00
11ax-HE80	MCS0	42	5210	17.53	16.51	16.17	16.36	22.70	≤ 30.00
11ax-HE80	MCS0	58	5290	15.87	15.05	14.69	14.91	21.17	≤ 23.98
11ax-HE80	MCS0	106	5530	17.75	17.07	16.90	16.89	23.19	≤ 23.98
11ax-HE80	MCS0	122	5610	17.88	17.20	17.13	17.17	23.38	≤ 23.98
11ax-HE80	MCS0	138	5690	17.84	16.78	17.08	17.16	23.25	≤ 23.98
11ax-HE80	MCS0	155	5775	18.01	17.16	17.13	17.30	23.44	≤ 30.00
11ax-HE160	MCS0	50	5250	15.74	14.91	14.85	14.74	21.10	≤ 23.98
11ax-HE160	MCS0	114	5570	15.31	14.54	14.46	14.47	20.73	≤ 23.98
11be-EHT20	MCS0	36	5180	18.16	17.11	16.72	17.04	23.31	≤ 30.00
11be-EHT20	MCS0	44	5220	18.22	17.06	16.95	16.87	23.33	≤ 30.00
11be-EHT20	MCS0	48	5240	17.92	17.21	17.18	16.94	23.35	≤ 30.00
11be-EHT20	MCS0	52	5260	14.23	13.37	13.58	13.73	19.76	≤ 23.98
11be-EHT20	MCS0	60	5300	14.27	13.28	13.34	13.55	19.65	≤ 23.98
11be-EHT20	MCS0	64	5320	13.68	13.12	13.34	13.52	19.44	≤ 23.98
11be-EHT20	MCS0	100	5500	14.62	13.76	13.85	13.95	20.08	≤ 23.98
11be-EHT20	MCS0	116	5580	14.54	13.71	13.92	13.83	20.03	≤ 23.98
11be-EHT20	MCS0	140	5700	14.62	13.32	13.93	13.82	19.97	≤ 23.98
11be-EHT20	MCS0	144	5720	14.54	13.13	14.07	13.85	19.95	≤ 23.26
11be-EHT20	MCS0	149	5745	18.26	17.13	18.09	17.44	23.78	≤ 30.00
11be-EHT20	MCS0	157	5785	18.22	17.22	17.83	17.38	23.70	≤ 30.00
11be-EHT20	MCS0	165	5825	18.11	17.14	17.05	16.98	23.37	≤ 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	17.47	16.64	16.29	16.53	22.78	≤ 30.00
11be-EHT40	MCS0	46	5230	18.13	17.24	16.81	16.71	23.28	≤ 30.00
11be-EHT40	MCS0	54	5270	17.55	16.37	16.61	16.55	22.82	≤ 23.98
11be-EHT40	MCS0	62	5310	16.41	15.69	15.86	16.25	22.08	≤ 23.98
11be-EHT40	MCS0	102	5510	17.47	16.76	16.60	16.65	22.91	≤ 23.98
11be-EHT40	MCS0	110	5550	17.31	16.40	16.79	16.81	22.86	≤ 23.98
11be-EHT40	MCS0	134	5670	17.37	16.36	16.73	16.80	22.85	≤ 23.98
11be-EHT40	MCS0	142	5710	17.60	16.44	17.18	17.24	23.16	≤ 23.98
11be-EHT40	MCS0	151	5755	18.12	17.25	17.72	17.35	23.64	≤ 30.00
11be-EHT40	MCS0	159	5795	18.25	17.67	17.55	17.52	23.78	≤ 30.00
11be-EHT80	MCS0	42	5210	16.10	15.29	14.92	14.93	21.36	≤ 30.00
11be-EHT80	MCS0	58	5290	15.78	15.12	14.72	14.94	21.18	≤ 23.98
11be-EHT80	MCS0	106	5530	17.63	17.08	17.02	16.85	23.18	≤ 23.98
11be-EHT80	MCS0	122	5610	17.86	17.33	17.13	17.11	23.39	≤ 23.98
11be-EHT80	MCS0	138	5690	17.82	16.95	17.18	17.02	23.28	≤ 23.98
11be-EHT80	MCS0	155	5775	17.91	17.30	17.29	17.23	23.46	≤ 30.00
11be-EHT160	MCS0	50	5250	13.72	12.86	12.94	12.73	19.10	≤ 23.98
11be-EHT160	MCS0	114	5570	16.32	15.56	15.71	15.72	21.86	≤ 23.98

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

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	2024-09-12 ~ 2024-09-23		
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	5.843	4.687	4.513	5.030	98.85	11.070	≤ 13.88
11a	6Mbps	44	5220	5.963	4.597	4.751	4.577	98.85	11.033	≤ 13.88
11a	6Mbps	48	5240	5.928	4.984	4.964	4.583	98.85	11.164	≤ 13.88
11a	6Mbps	52	5260	2.074	1.103	1.289	1.283	98.85	7.475	≤ 7.88
11a	6Mbps	60	5300	2.245	1.438	1.355	1.423	98.85	7.652	≤ 7.88
11a	6Mbps	64	5320	1.912	1.162	1.056	1.125	98.85	7.349	≤ 7.88
11a	6Mbps	100	5500	1.797	1.099	1.019	1.230	98.85	7.318	≤ 7.88
11a	6Mbps	116	5580	2.050	1.507	1.511	1.226	98.85	7.604	≤ 7.88
11a	6Mbps	140	5700	2.023	0.955	1.455	1.184	98.85	7.443	≤ 7.88
11a	6Mbps	144	5720	1.877	1.031	1.803	1.140	98.85	7.500	≤ 7.88
11ac-VHT20	MCS0	36	5180	5.340	3.935	4.162	4.332	97.29	10.617	≤ 13.88
11ac-VHT20	MCS0	44	5220	5.174	4.202	4.399	4.355	97.29	10.689	≤ 13.88
11ac-VHT20	MCS0	48	5240	5.572	4.725	4.652	4.517	97.29	11.027	≤ 13.88
11ac-VHT20	MCS0	52	5260	1.772	0.922	1.165	0.781	97.29	7.317	≤ 7.88
11ac-VHT20	MCS0	60	5300	1.803	1.120	0.947	0.811	97.29	7.327	≤ 7.88
11ac-VHT20	MCS0	64	5320	2.019	1.334	1.321	1.535	97.29	7.702	≤ 7.88
11ac-VHT20	MCS0	100	5500	2.004	1.107	1.272	1.451	97.29	7.612	≤ 7.88
11ac-VHT20	MCS0	116	5580	1.718	1.035	1.204	1.025	97.29	7.395	≤ 7.88
11ac-VHT20	MCS0	140	5700	2.132	0.867	1.367	1.165	97.29	7.548	≤ 7.88
11ac-VHT20	MCS0	144	5720	2.088	0.778	1.623	1.093	97.29	7.564	≤ 7.88
11ac-VHT40	MCS0	38	5190	1.881	0.939	0.601	1.073	96.49	7.325	≤ 13.88
11ac-VHT40	MCS0	46	5230	2.357	1.312	1.332	1.473	96.49	7.816	≤ 13.88
11ac-VHT40	MCS0	54	5270	1.957	1.140	1.362	1.066	96.49	7.571	≤ 7.88
11ac-VHT40	MCS0	62	5310	0.327	-0.078	-0.263	-0.020	96.49	6.173	≤ 7.88
11ac-VHT40	MCS0	102	5510	1.822	1.213	0.903	0.992	96.49	7.423	≤ 7.88
11ac-VHT40	MCS0	110	5550	1.720	1.176	0.893	0.974	96.49	7.379	≤ 7.88
11ac-VHT40	MCS0	134	5670	1.861	1.143	1.094	1.180	96.49	7.507	≤ 7.88
11ac-VHT40	MCS0	142	5710	2.019	0.965	1.508	1.247	96.49	7.628	≤ 7.88

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	-1.489	-2.886	-2.965	-2.746	97.29	3.662	≤ 13.88
11ac-VHT80	MCS0	58	5290	-2.243	-2.960	-2.961	-2.767	97.29	3.417	≤ 7.88
11ac-VHT80	MCS0	106	5530	-0.915	-1.508	-1.236	-1.220	97.29	4.925	≤ 7.88
11ac-VHT80	MCS0	122	5610	-1.053	-1.875	-1.419	-1.423	97.29	4.707	≤ 7.88
11ac-VHT80	MCS0	138	5690	-0.621	-1.670	-1.145	-1.074	97.29	5.028	≤ 7.88
11ac-VHT160	MCS0	50	5250	-7.092	-8.218	-7.863	-7.941	96.89	-1.600	≤ 7.88
11ac-VHT160	MCS0	114	5570	-4.911	-5.497	-5.110	-4.868	96.89	1.068	≤ 7.88
11ax-HE20	MCS0	36	5180	5.212	3.764	4.211	4.367	96.92	10.577	≤ 13.88
11ax-HE20	MCS0	44	5220	5.034	3.583	4.188	4.211	96.92	10.441	≤ 13.88
11ax-HE20	MCS0	48	5240	5.001	3.781	4.273	4.447	96.92	10.554	≤ 13.88
11ax-HE20	MCS0	52	5260	2.191	1.324	1.182	1.053	96.92	7.618	≤ 7.88
11ax-HE20	MCS0	60	5300	2.257	1.281	0.968	1.262	96.92	7.627	≤ 7.88
11ax-HE20	MCS0	64	5320	2.297	1.115	1.002	1.019	96.92	7.550	≤ 7.88
11ax-HE20	MCS0	100	5500	2.279	1.293	1.319	1.400	96.92	7.749	≤ 7.88
11ax-HE20	MCS0	116	5580	1.848	1.166	1.178	0.945	96.92	7.454	≤ 7.88
11ax-HE20	MCS0	140	5700	2.067	0.593	1.237	0.929	96.92	7.398	≤ 7.88
11ax-HE20	MCS0	144	5720	1.735	0.765	1.552	0.864	96.92	7.406	≤ 7.88
11ax-HE40	MCS0	38	5190	2.142	1.023	1.182	1.557	97.03	7.649	≤ 13.88
11ax-HE40	MCS0	46	5230	2.110	0.880	1.189	1.169	97.03	7.514	≤ 13.88
11ax-HE40	MCS0	54	5270	1.773	0.996	1.220	1.208	97.03	7.460	≤ 7.88
11ax-HE40	MCS0	62	5310	0.954	0.401	0.452	0.720	97.03	6.789	≤ 7.88
11ax-HE40	MCS0	102	5510	2.077	1.386	1.164	1.218	97.03	7.629	≤ 7.88
11ax-HE40	MCS0	110	5550	1.990	1.521	1.306	1.195	97.03	7.665	≤ 7.88
11ax-HE40	MCS0	134	5670	1.948	1.238	1.348	1.268	97.03	7.612	≤ 7.88
11ax-HE40	MCS0	142	5710	1.723	0.735	1.253	0.893	97.03	7.319	≤ 7.88
11ax-HE80	MCS0	42	5210	-1.250	-2.583	-2.638	-2.380	97.57	3.953	≤ 13.88
11ax-HE80	MCS0	58	5290	-3.290	-3.699	-3.666	-3.173	97.57	2.677	≤ 7.88
11ax-HE80	MCS0	106	5530	-1.300	-2.174	-1.935	-1.636	97.57	4.379	≤ 7.88
11ax-HE80	MCS0	122	5610	-1.265	-2.179	-1.513	-1.552	97.57	4.513	≤ 7.88
11ax-HE80	MCS0	138	5690	-1.395	-2.519	-1.759	-1.712	97.57	4.300	≤ 7.88
11ax-HE160	MCS0	50	5250	-5.518	-6.550	-6.033	-6.118	96.53	0.135	≤ 7.88
11ax-HE160	MCS0	114	5570	-6.572	-7.385	-6.901	-6.864	96.53	-0.747	≤ 7.88

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	5.047	3.703	4.104	4.314	97.18	10.465	≤ 13.88
11be-EHT20	MCS0	44	5220	4.921	3.550	4.134	3.993	97.18	10.323	≤ 13.88
11be-EHT20	MCS0	48	5240	4.775	3.518	4.325	4.048	97.18	10.335	≤ 13.88
11be-EHT20	MCS0	52	5260	2.051	1.222	1.309	0.986	97.18	7.556	≤ 7.88
11be-EHT20	MCS0	60	5300	2.241	1.279	1.230	1.146	97.18	7.643	≤ 7.88
11be-EHT20	MCS0	64	5320	1.820	1.138	0.925	0.921	97.18	7.362	≤ 7.88
11be-EHT20	MCS0	100	5500	2.254	1.438	1.387	1.337	97.18	7.766	≤ 7.88
11be-EHT20	MCS0	116	5580	1.902	1.182	1.294	1.082	97.18	7.522	≤ 7.88
11be-EHT20	MCS0	140	5700	2.008	0.754	1.202	1.041	97.18	7.422	≤ 7.88
11be-EHT20	MCS0	144	5720	1.952	0.887	1.577	1.151	97.18	7.556	≤ 7.88
11be-EHT40	MCS0	38	5190	1.604	0.249	0.363	0.595	97.84	6.852	≤ 13.88
11be-EHT40	MCS0	46	5230	1.904	0.757	1.108	1.130	97.84	7.361	≤ 13.88
11be-EHT40	MCS0	54	5270	1.965	1.318	1.426	1.382	97.84	7.646	≤ 7.88
11be-EHT40	MCS0	62	5310	1.297	0.735	0.549	0.971	97.84	7.012	≤ 7.88
11be-EHT40	MCS0	102	5510	1.869	1.244	1.042	1.148	97.84	7.453	≤ 7.88
11be-EHT40	MCS0	110	5550	1.820	1.319	1.029	1.079	97.84	7.439	≤ 7.88
11be-EHT40	MCS0	134	5670	2.001	1.353	1.276	1.273	97.84	7.602	≤ 7.88
11be-EHT40	MCS0	142	5710	2.195	1.362	1.722	1.309	97.84	7.777	≤ 7.88
11be-EHT80	MCS0	42	5210	-2.720	-3.769	-3.901	-3.697	97.04	2.656	≤ 13.88
11be-EHT80	MCS0	58	5290	-3.189	-3.766	-3.792	-3.422	97.04	2.616	≤ 7.88
11be-EHT80	MCS0	106	5530	-1.231	-2.075	-1.873	-1.676	97.04	4.449	≤ 7.88
11be-EHT80	MCS0	122	5610	-1.147	-2.084	-1.458	-1.397	97.04	4.643	≤ 7.88
11be-EHT80	MCS0	138	5690	-1.299	-2.478	-1.829	-1.768	97.04	4.328	≤ 7.88
11be-EHT160	MCS0	50	5250	-7.169	-8.437	-7.810	-7.964	97.82	-1.705	≤ 7.88
11be-EHT160	MCS0	114	5570	-5.357	-6.025	-5.573	-5.383	97.82	0.540	≤ 7.88

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

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

Note 2:

For 5125 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (9.12 - 6) = 13.88dBm/MHz

For 5250 - 5350MHz Band: PSD Limit (dBm/MHz) = 11 - (9.12 - 6) = 7.88dBm/MHz.

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (9.12 - 6) = 7.88dBm/MHz.

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2024-09-12 ~ 2024-09-23		
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	2.526	1.201	2.507	2.203	98.85	8.162	≤ 26.88
11a	6Mbps	157	5785	2.659	1.157	2.130	2.230	98.85	8.098	≤ 26.88
11a	6Mbps	165	5825	2.987	1.916	2.197	2.026	98.85	8.323	≤ 26.88
11ac-VHT20	MCS0	149	5745	2.294	0.896	2.092	1.621	97.29	7.898	≤ 26.88
11ac-VHT20	MCS0	157	5785	2.439	1.170	1.970	1.927	97.29	8.040	≤ 26.88
11ac-VHT20	MCS0	165	5825	2.335	1.110	1.534	1.040	97.29	7.676	≤ 26.88
11ac-VHT40	MCS0	151	5755	-1.147	-2.518	-1.590	-1.625	96.49	4.484	≤ 26.88
11ac-VHT40	MCS0	159	5795	-0.857	-1.768	-1.212	-0.894	96.49	5.008	≤ 26.88
11ac-VHT80	MCS0	155	5775	-3.854	-4.800	-4.169	-3.927	97.29	1.968	≤ 26.88
11ax-HE20	MCS0	149	5745	1.483	0.485	1.321	0.964	96.92	7.236	≤ 26.88
11ax-HE20	MCS0	157	5785	1.827	0.326	1.355	1.282	96.92	7.387	≤ 26.88
11ax-HE20	MCS0	165	5825	2.239	1.168	1.500	1.151	96.92	7.694	≤ 26.88
11ax-HE40	MCS0	151	5755	-1.279	-2.657	-1.869	-1.839	97.03	4.268	≤ 26.88
11ax-HE40	MCS0	159	5795	-0.793	-1.608	-1.216	-1.244	97.03	4.946	≤ 26.88
11ax-HE80	MCS0	155	5775	-3.812	-5.122	-4.234	-4.093	97.57	1.839	≤ 26.88
11be-EHT20	MCS0	149	5745	2.371	0.992	2.037	1.671	97.18	7.942	≤ 26.88
11be-EHT20	MCS0	157	5785	2.173	1.023	1.837	1.739	97.18	7.858	≤ 26.88
11be-EHT20	MCS0	165	5825	2.257	1.250	1.640	0.967	97.18	7.701	≤ 26.88
11be-EHT40	MCS0	151	5755	-0.840	-1.733	-0.849	-1.302	97.84	4.950	≤ 26.88
11be-EHT40	MCS0	159	5795	-0.280	-1.222	-0.752	-0.872	97.84	5.347	≤ 26.88
11be-EHT80	MCS0	155	5775	-3.816	-5.007	-4.202	-3.941	97.04	1.934	≤ 26.88

Note 1:

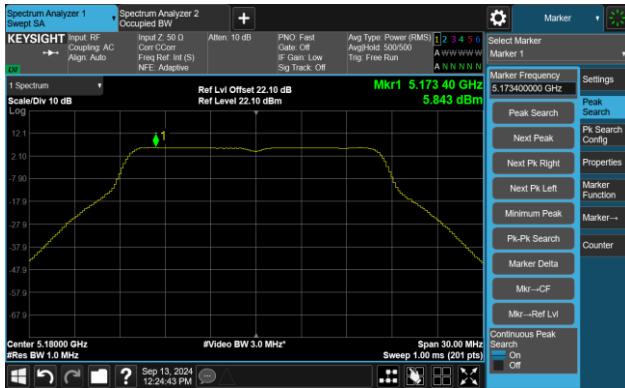
When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)} + 10^{(\text{Ant 3 AVGPSD}/10)}\}$ (dBm/510kHz) + $10 \cdot \log (1/\text{Duty cycle})$.

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

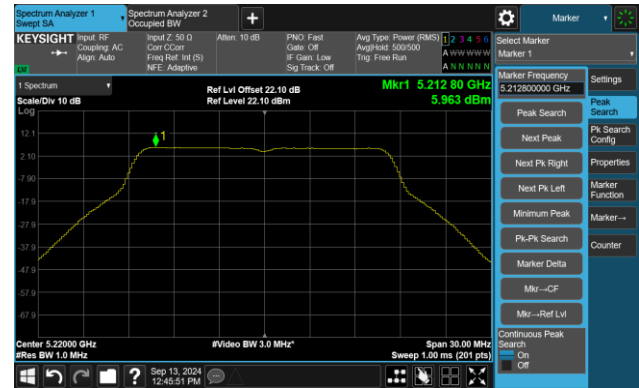
Note 2: PSD Limit (dBm/500kHz) = 30 - (9.12 - 6) = 26.88dBm/500kHz.

802.11a Power Spectral Density- Ant 0

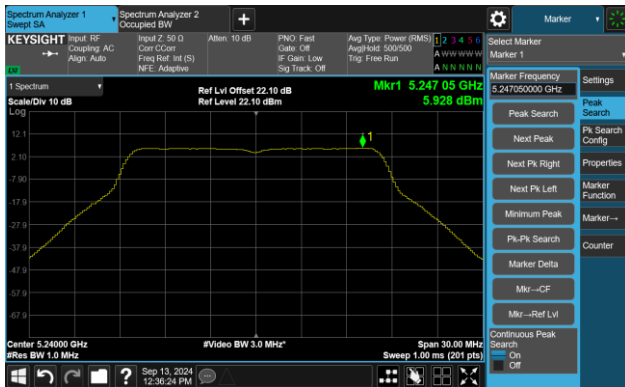
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

