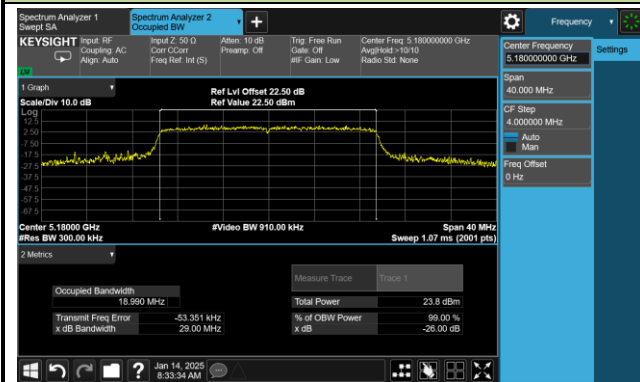
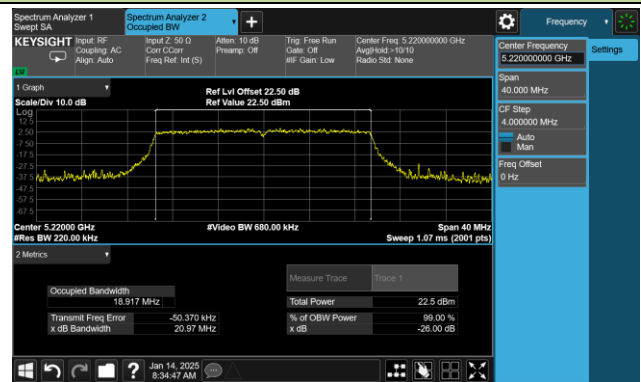


802.11ax-HE20 26dB Bandwidth & 99% Bandwidth

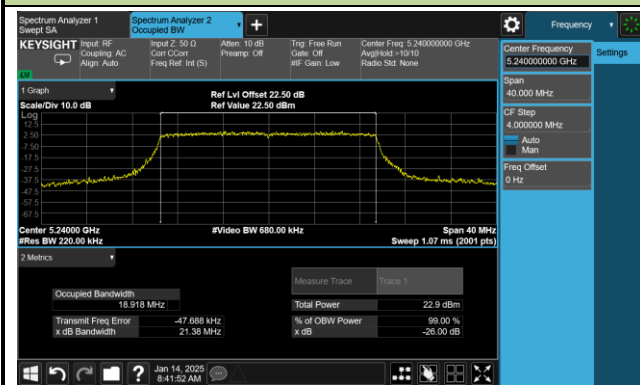
Channel 36 (5180MHz)



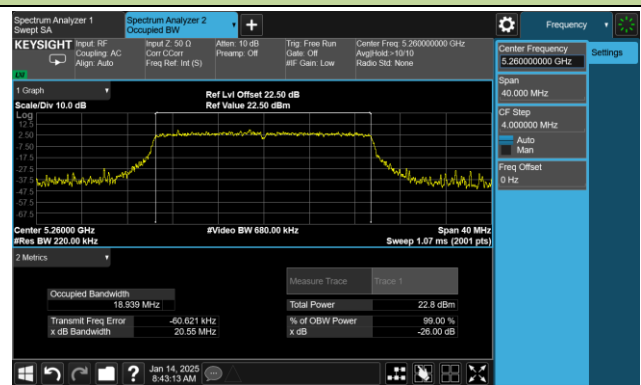
Channel 44 (5220MHz)



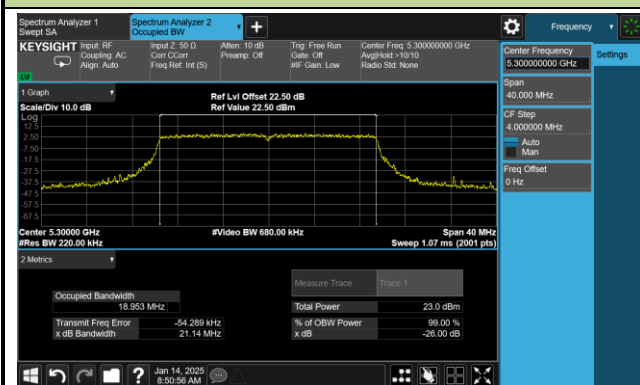
Channel 48 (5240MHz)



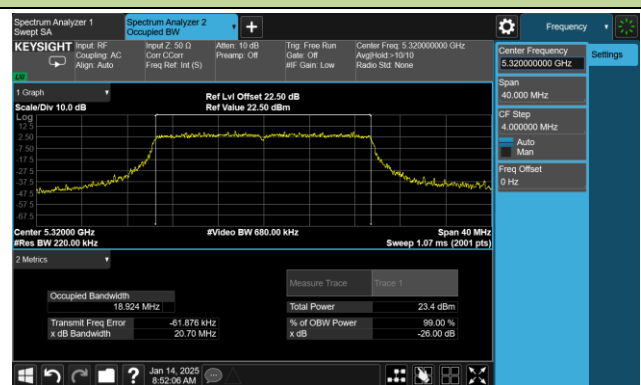
Channel 52 (5260MHz)



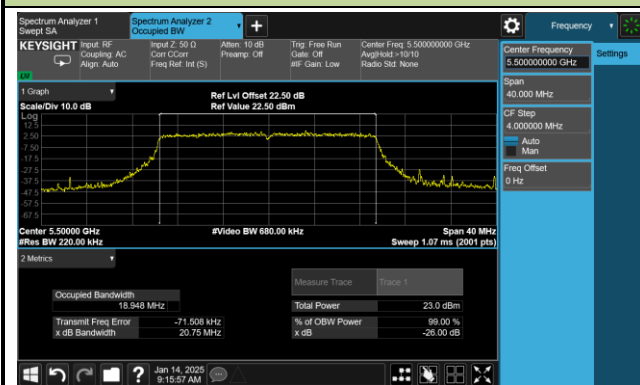
Channel 60 (5300MHz)



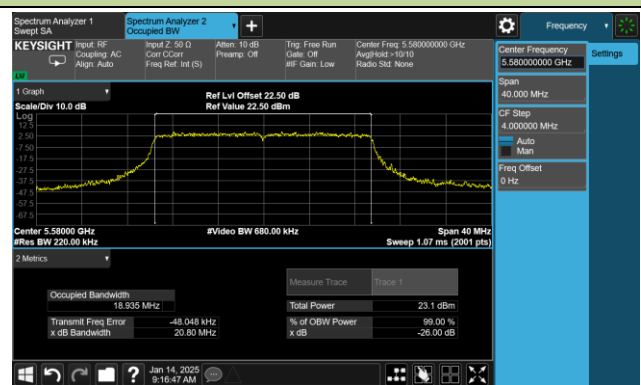
Channel 64 (5320MHz)



Channel 100 (5500MHz)

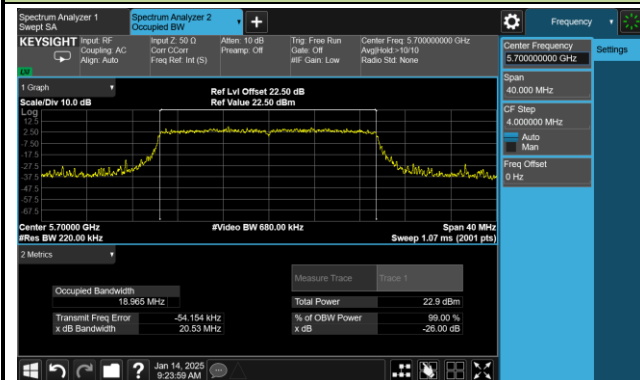


Channel 116 (5580MHz)

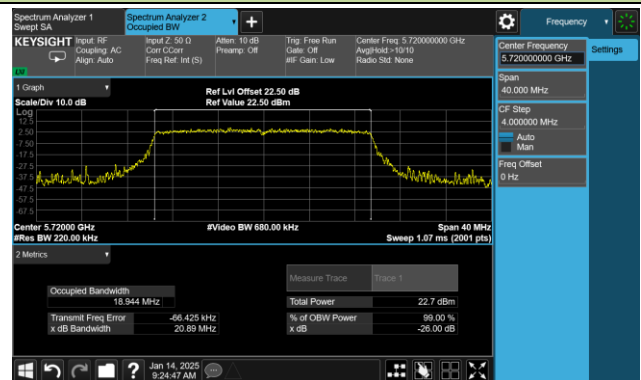


802.11ax-HE20 26dB Bandwidth & 99% Bandwidth

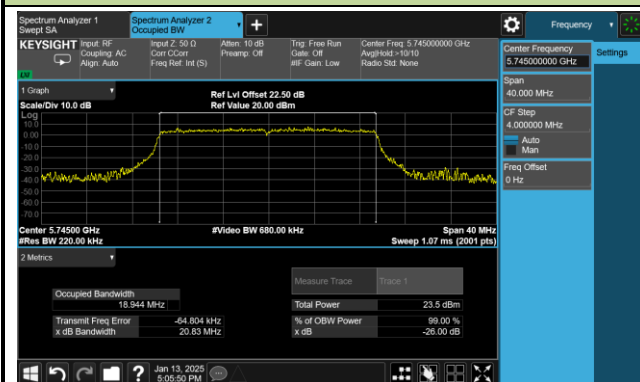
Channel 140 (5700MHz)



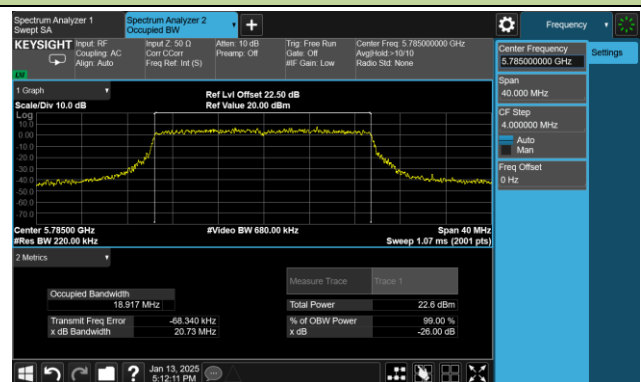
Channel 144(5720MHz)



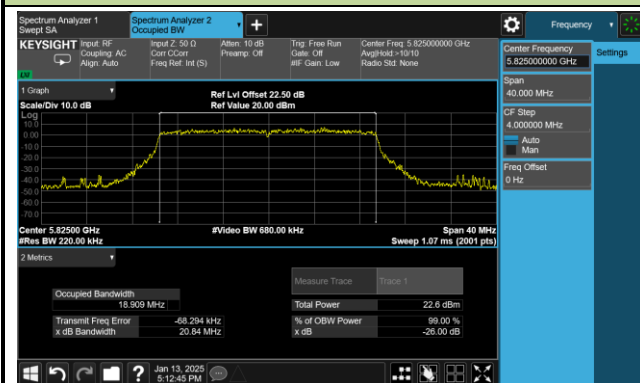
Channel 149 (5745MHz)



Channel 157 (5785MHz)

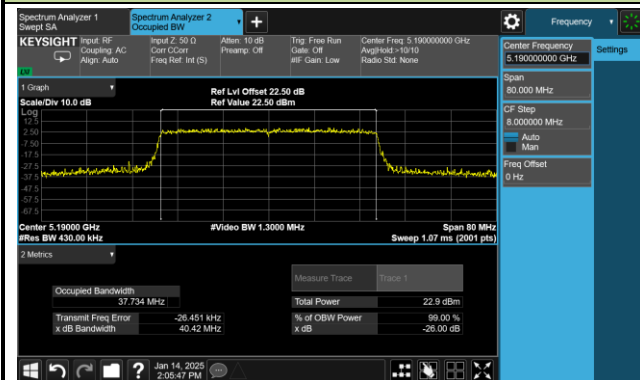


Channel 165 (5825MHz)

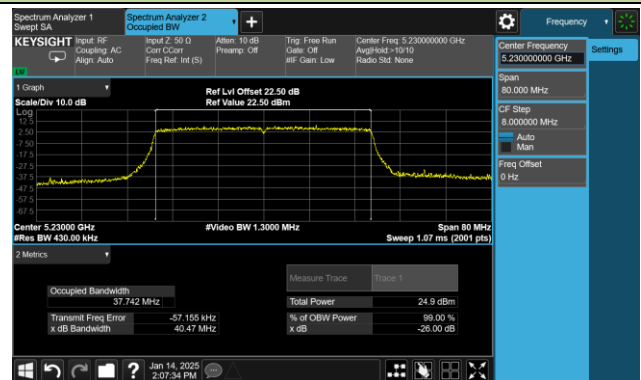


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

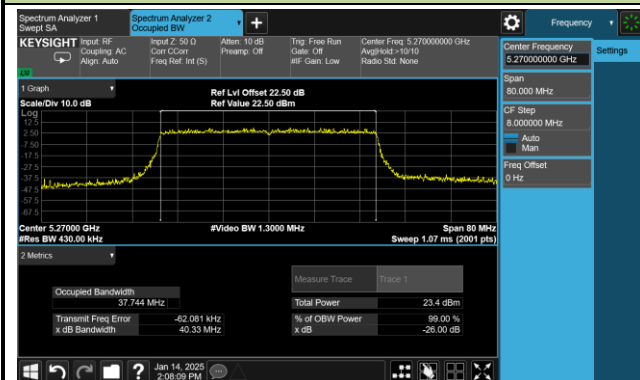
Channel 38 (5190MHz)



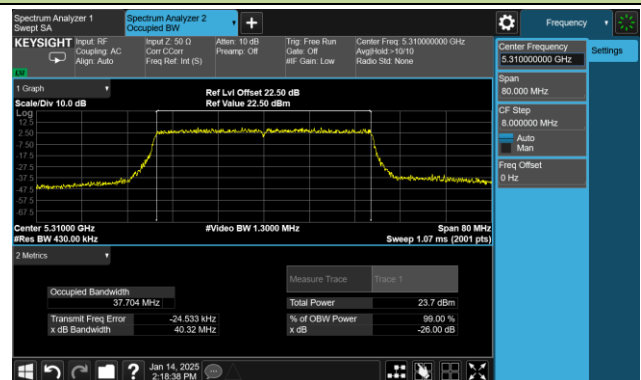
Channel 46 (5230MHz)



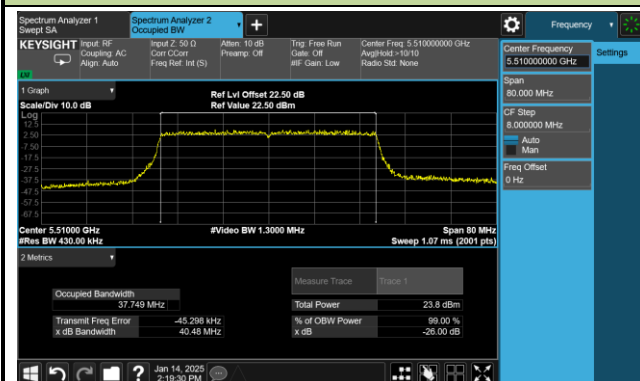
Channel 54 (5270MHz)



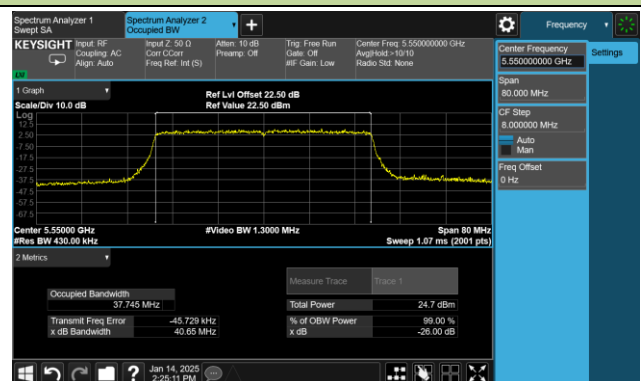
Channel 62 (5310MHz)



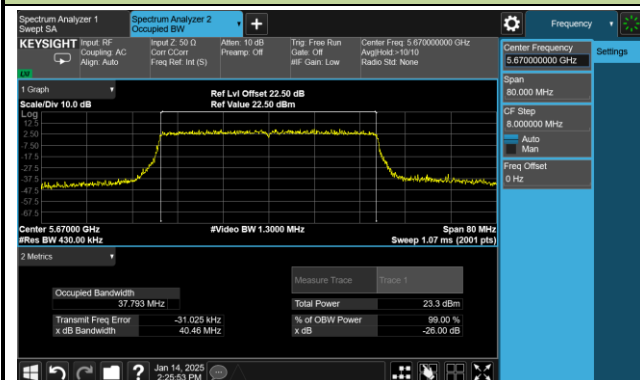
Channel 102 (5510MHz)



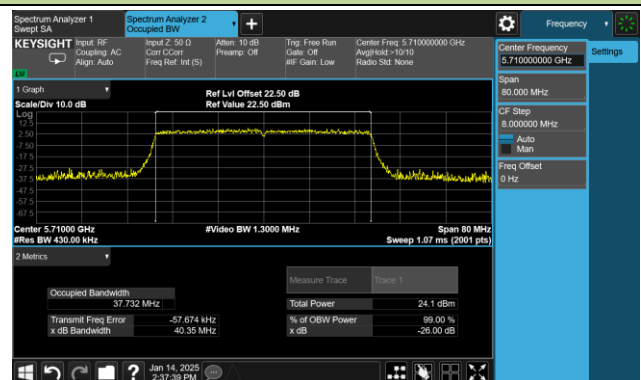
Channel 110 (5550MHz)

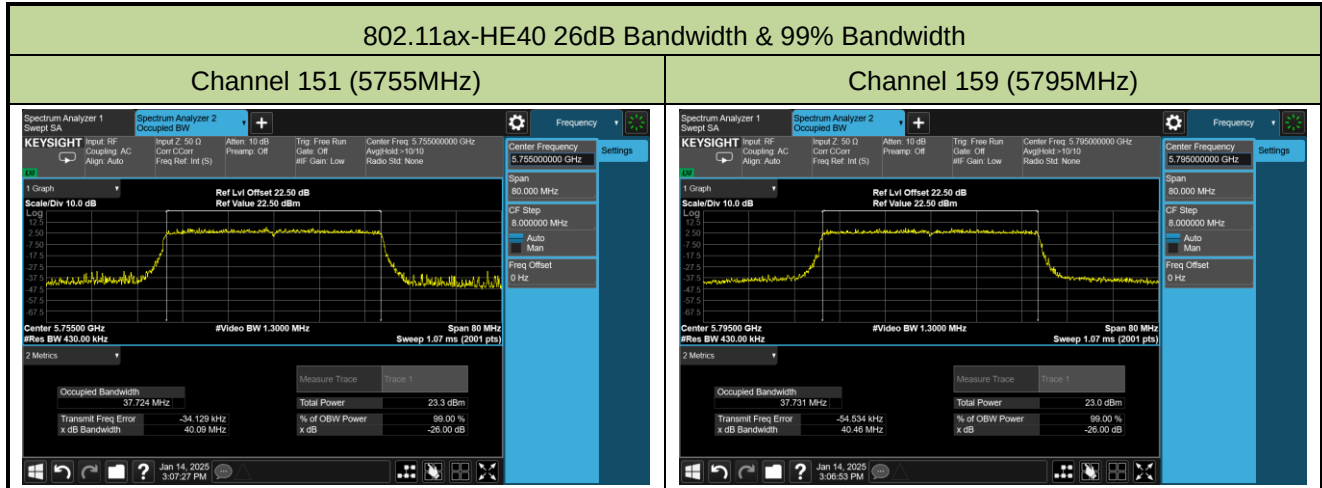


Channel 134 (5670MHz)



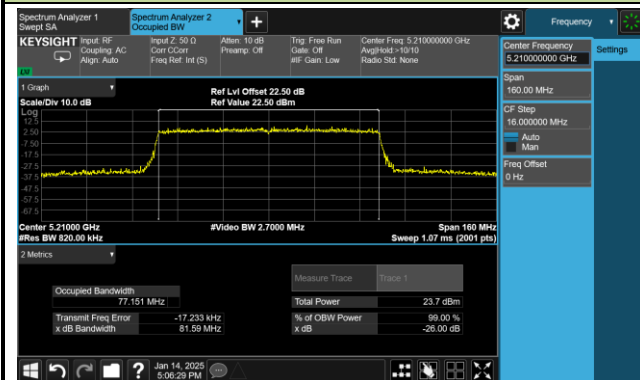
Channel 142(5710MHz)



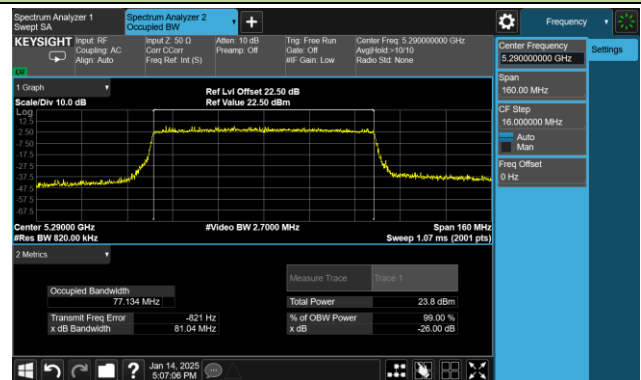


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

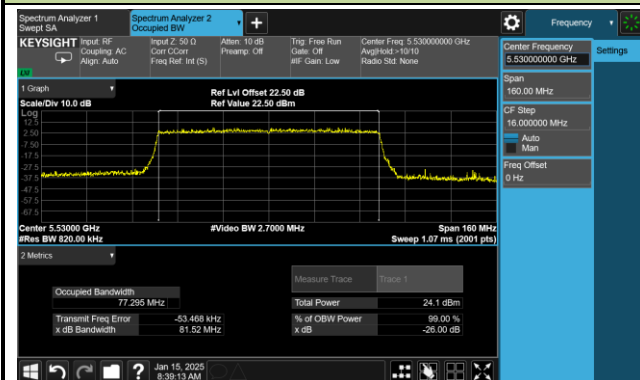
Channel 42 (5210MHz)



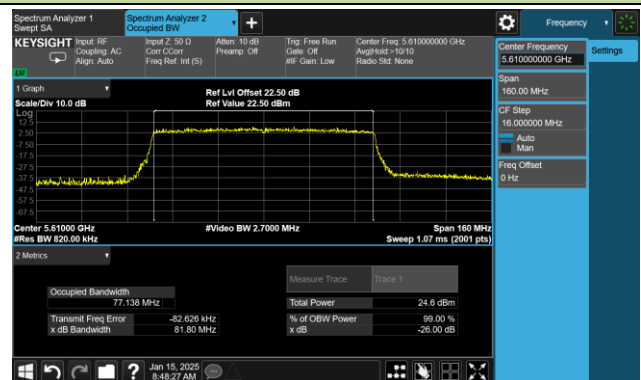
Channel 58 (5290MHz)



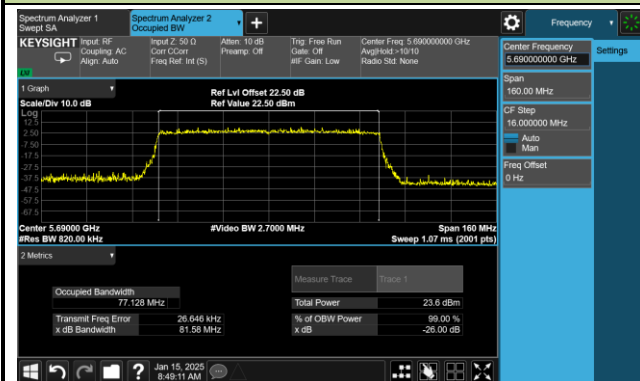
Channel 106 (5530MHz)



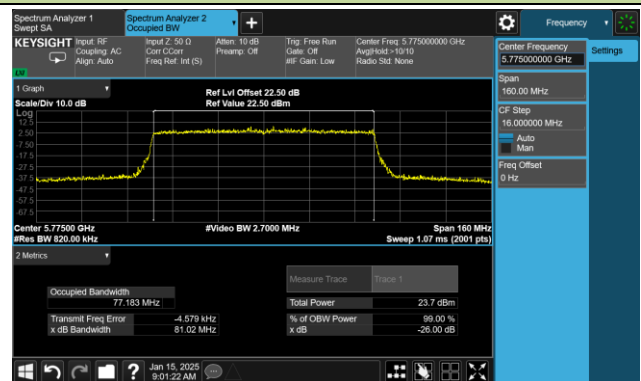
Channel 122 (5610MHz)

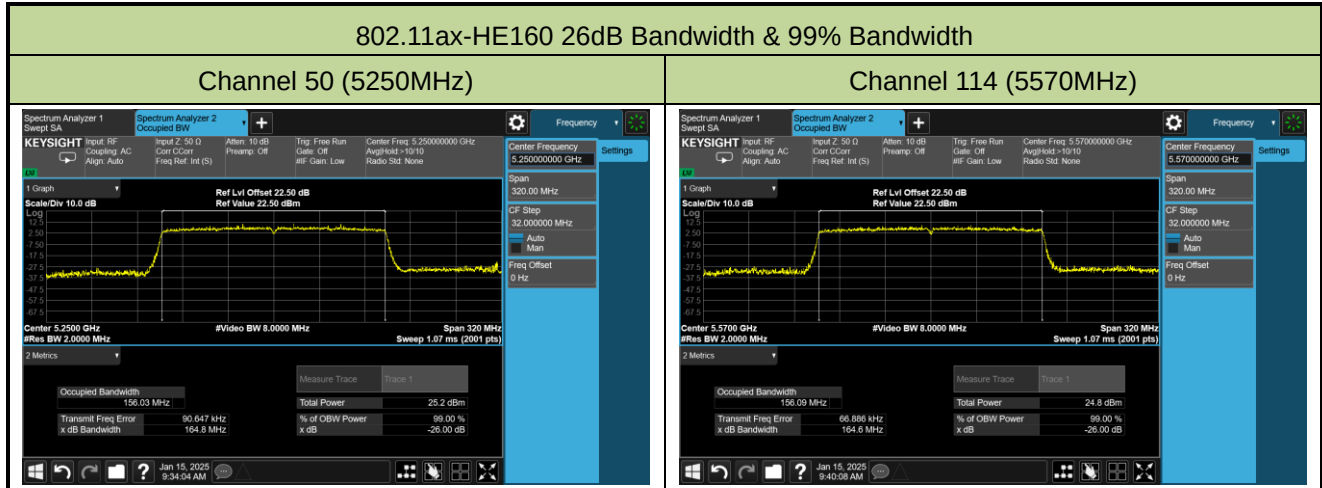


Channel 138 (5690MHz)



Channel 155 (5775MHz)





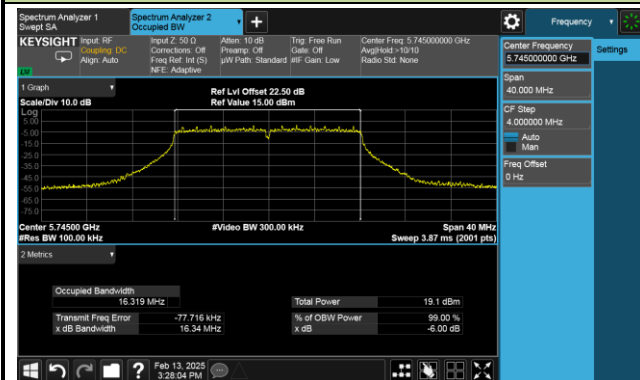
A.3 6dB Bandwidth Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-02-13		

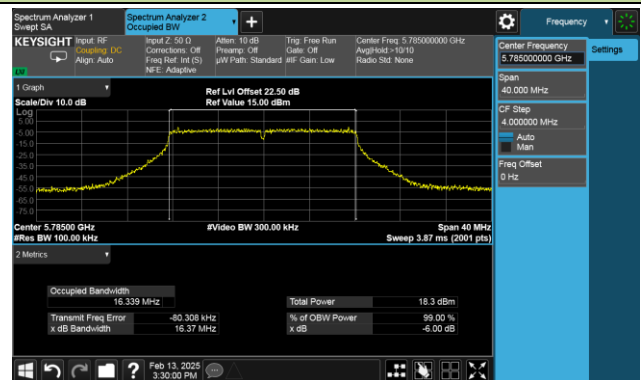
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	16.34	≥0.5
11a	6Mbps	157	5785	16.37	≥0.5
11a	6Mbps	165	5825	16.33	≥0.5
11ac-VHT20	MCS0	149	5745	17.29	≥0.5
11ac-VHT20	MCS0	157	5785	17.59	≥0.5
11ac-VHT20	MCS0	165	5825	17.30	≥0.5
11ac-VHT40	MCS0	151	5755	35.42	≥0.5
11ac-VHT40	MCS0	159	5795	36.33	≥0.5
11ac-VHT80	MCS0	155	5775	73.96	≥0.5
11ax-HE20	MCS0	149	5745	19.08	≥0.5
11ax-HE20	MCS0	157	5785	18.77	≥0.5
11ax-HE20	MCS0	165	5825	18.88	≥0.5
11ax-HE40	MCS0	151	5755	37.13	≥0.5
11ax-HE40	MCS0	159	5795	36.95	≥0.5
11ax-HE80	MCS0	155	5775	77.17	≥0.5

802.11a 6dB Bandwidth

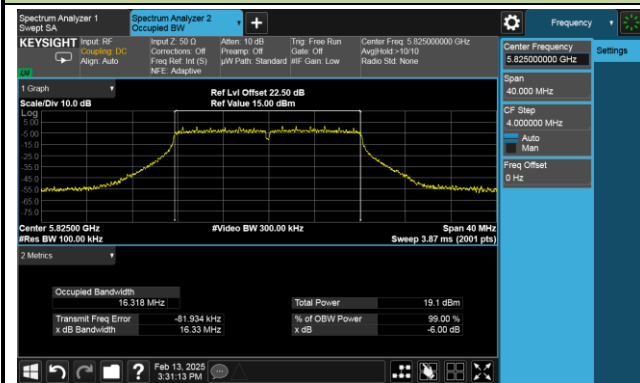
Channel 149 (5745MHz)



Channel 157 (5785MHz)

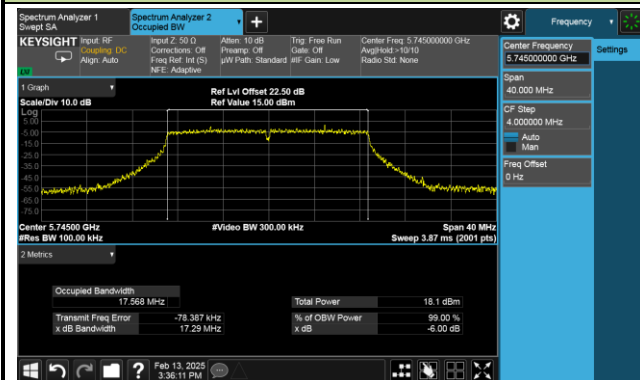


Channel 165 (5825MHz)

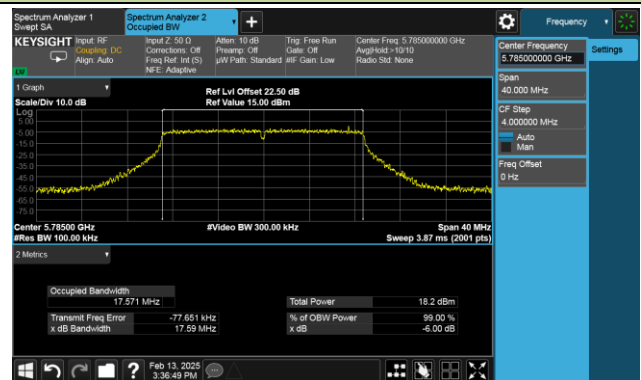


802.11ac-VHT20 6dB Bandwidth

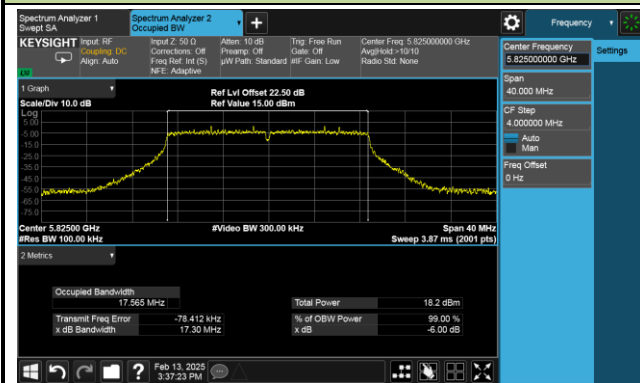
Channel 149 (5745MHz)



Channel 157 (5785MHz)

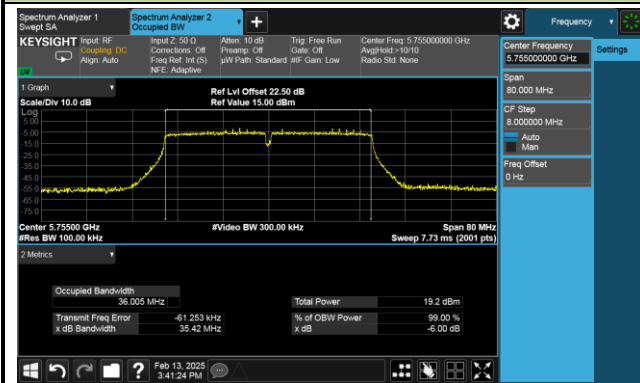


Channel 165 (5825MHz)

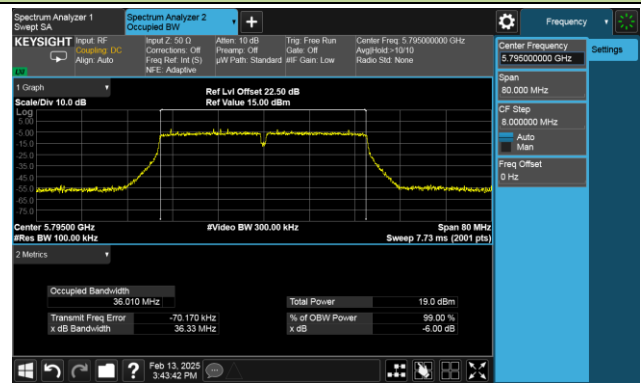


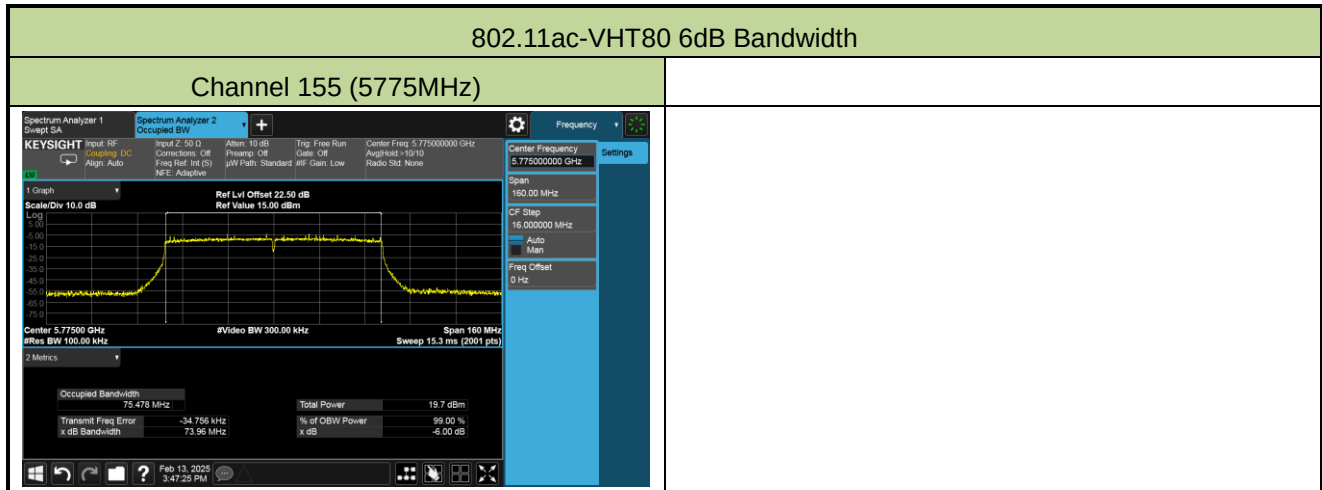
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



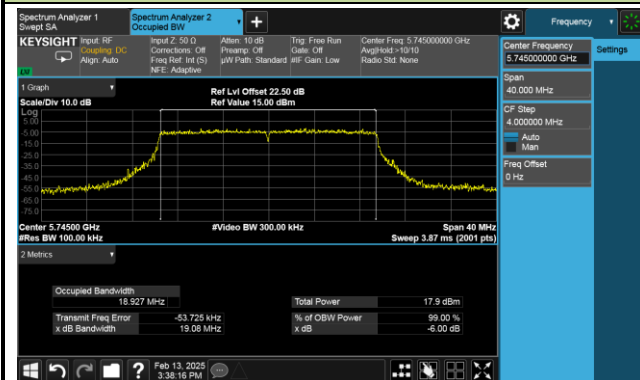
Channel 159 (5795MHz)



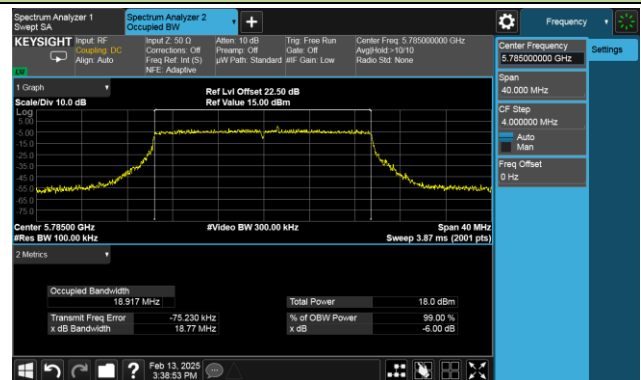


802.11ax-HE20 6dB Bandwidth

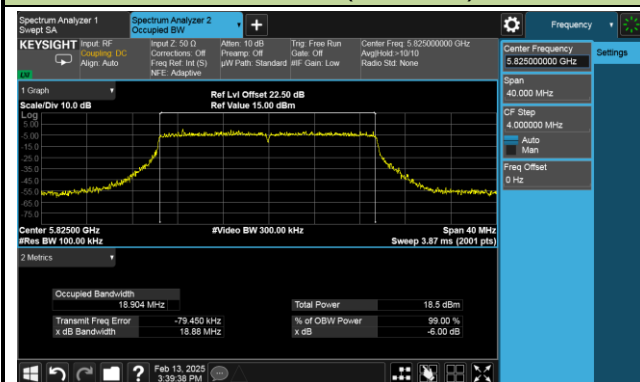
Channel 149 (5745MHz)



Channel 157 (5785MHz)

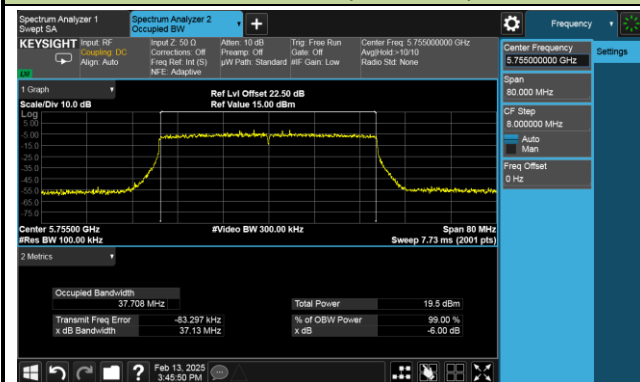


Channel 165 (5825MHz)

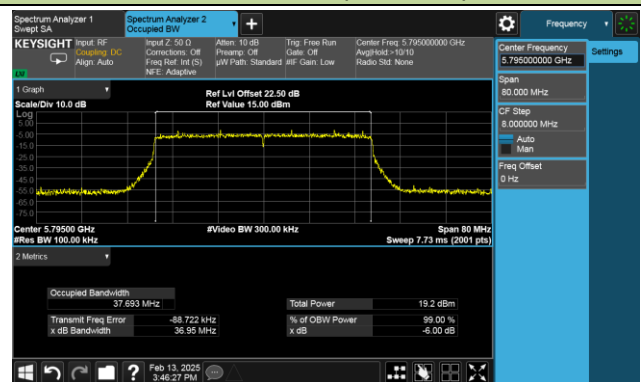


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

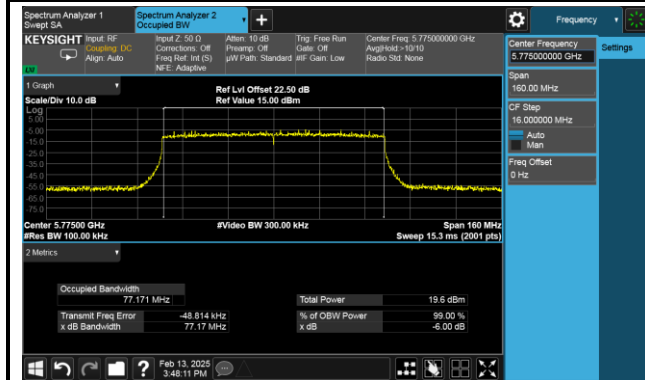


Channel 159 (5795MHz)



802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)



A.4 Output Power Test Result

Full RU:

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-02-18		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1		
11a	6Mbps	36	5180	15.19	15.77	18.50	≤ 23.98
11a	6Mbps	44	5220	14.87	15.64	18.28	≤ 23.98
11a	6Mbps	48	5240	14.69	15.73	18.25	≤ 23.98
11a	6Mbps	52	5260	14.67	15.78	18.27	≤ 23.85
11a	6Mbps	60	5300	14.61	16.07	18.41	≤ 23.79
11a	6Mbps	64	5320	14.67	16.13	18.47	≤ 23.77
11a	6Mbps	100	5500	12.53	13.39	15.99	≤ 23.81
11a	6Mbps	116	5580	12.29	13.42	15.90	≤ 23.80
11a	6Mbps	140	5700	12.36	13.22	15.82	≤ 23.84
11a	6Mbps	144	5720	12.24	13.31	15.82	≤ 23.79
11a	6Mbps	149	5745	13.28	14.61	17.01	≤ 30.00
11a	6Mbps	157	5785	13.52	14.68	17.15	≤ 30.00
11a	6Mbps	165	5825	13.44	14.38	16.95	≤ 30.00
11ac-VHT20	MCS0	36	5180	15.12	15.62	18.39	≤ 23.98
11ac-VHT20	MCS0	44	5220	15.17	15.94	18.58	≤ 23.98
11ac-VHT20	MCS0	48	5240	14.93	16.11	18.57	≤ 23.98
11ac-VHT20	MCS0	52	5260	14.63	15.53	18.11	≤ 23.98
11ac-VHT20	MCS0	60	5300	14.45	15.98	18.29	≤ 23.98
11ac-VHT20	MCS0	64	5320	14.61	15.92	18.32	≤ 23.98
11ac-VHT20	MCS0	100	5500	12.43	13.22	15.85	≤ 23.98
11ac-VHT20	MCS0	116	5580	12.24	13.17	15.74	≤ 23.98
11ac-VHT20	MCS0	140	5700	12.21	13.12	15.70	≤ 23.98
11ac-VHT20	MCS0	144	5720	12.18	13.20	15.73	≤ 22.99
11ac-VHT20	MCS0	149	5745	13.46	15.01	17.31	≤ 30.00
11ac-VHT20	MCS0	157	5785	13.18	14.64	16.98	≤ 30.00
11ac-VHT20	MCS0	165	5825	13.32	14.26	16.83	≤ 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		
11ac-VHT40	MCS0	38	5190	15.34	15.57	18.47	≤ 23.98
11ac-VHT40	MCS0	46	5230	14.91	15.46	18.20	≤ 23.98
11ac-VHT40	MCS0	54	5270	14.81	15.61	18.24	≤ 23.98
11ac-VHT40	MCS0	62	5310	14.59	16.02	18.37	≤ 23.98
11ac-VHT40	MCS0	102	5510	12.47	13.34	15.94	≤ 23.98
11ac-VHT40	MCS0	110	5550	12.38	13.24	15.84	≤ 23.98
11ac-VHT40	MCS0	134	5670	12.43	13.32	15.91	≤ 23.98
11ac-VHT40	MCS0	142	5710	12.23	13.19	15.75	≤ 23.98
11ac-VHT40	MCS0	151	5755	13.42	15.06	17.33	≤ 30.00
11ac-VHT40	MCS0	159	5795	13.29	14.56	16.98	≤ 30.00
11ac-VHT80	MCS0	42	5210	15.07	15.89	18.51	≤ 23.98
11ac-VHT80	MCS0	58	5290	14.81	15.54	18.20	≤ 23.98
11ac-VHT80	MCS0	106	5530	12.77	13.34	16.07	≤ 23.98
11ac-VHT80	MCS0	122	5610	13.18	14.24	16.75	≤ 23.98
11ac-VHT80	MCS0	138	5690	13.42	14.48	16.99	≤ 23.98
11ac-VHT80	MCS0	155	5775	13.51	15.04	17.35	≤ 30.00
11ac-VHT160	MCS0	50	5250	15.02	16.07	18.59	≤ 23.98
11ac-VHT160	MCS0	114	5570	12.30	13.62	16.02	≤ 30.00
11ax-HE20	MCS0	36	5180	15.31	15.78	18.56	≤ 23.98
11ax-HE20	MCS0	44	5220	15.03	15.68	18.38	≤ 23.98
11ax-HE20	MCS0	48	5240	14.72	15.79	18.30	≤ 23.98
11ax-HE20	MCS0	52	5260	14.85	15.83	18.38	≤ 23.98
11ax-HE20	MCS0	60	5300	14.68	16.17	18.50	≤ 23.98
11ax-HE20	MCS0	64	5320	14.76	16.13	18.51	≤ 23.98
11ax-HE20	MCS0	100	5500	12.56	13.45	16.04	≤ 23.98
11ax-HE20	MCS0	116	5580	11.89	12.93	15.45	≤ 23.98
11ax-HE20	MCS0	140	5700	12.34	13.39	15.91	≤ 23.98
11ax-HE20	MCS0	144	5720	12.32	13.48	15.95	≤ 23.98
11ax-HE20	MCS0	149	5745	13.32	14.67	17.06	≤ 30.00
11ax-HE20	MCS0	157	5785	13.41	14.83	17.19	≤ 30.00
11ax-HE20	MCS0	165	5825	13.48	14.41	16.98	≤ 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		
11ax-HE40	MCS0	38	5190	15.12	15.61	18.38	≤ 23.98
11ax-HE40	MCS0	46	5230	14.86	15.49	18.20	≤ 23.98
11ax-HE40	MCS0	54	5270	14.67	15.62	18.18	≤ 23.98
11ax-HE40	MCS0	62	5310	14.58	15.98	18.35	≤ 23.98
11ax-HE40	MCS0	102	5510	12.47	13.34	15.94	≤ 23.98
11ax-HE40	MCS0	110	5550	12.44	13.26	15.88	≤ 23.98
11ax-HE40	MCS0	134	5670	12.39	13.29	15.87	≤ 23.98
11ax-HE40	MCS0	142	5710	12.21	13.25	15.77	≤ 23.98
11ax-HE40	MCS0	151	5755	13.37	15.03	17.29	≤ 30.00
11ax-HE40	MCS0	159	5795	13.54	14.95	17.31	≤ 30.00
11ax-HE80	MCS0	42	5210	14.98	15.95	18.50	≤ 23.98
11ax-HE80	MCS0	58	5290	14.75	15.64	18.23	≤ 23.98
11ax-HE80	MCS0	106	5530	12.34	13.27	15.84	≤ 23.98
11ax-HE80	MCS0	122	5610	12.28	13.39	15.88	≤ 23.98
11ax-HE80	MCS0	138	5690	12.21	13.13	15.70	≤ 23.98
11ax-HE80	MCS0	155	5775	13.41	14.60	17.06	≤ 30.00
11ax-HE160	MCS0	50	5250	14.84	16.17	18.57	≤ 23.98
11ax-HE160	MCS0	114	5570	12.30	13.63	16.03	≤ 30.00

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

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

Partial RU:

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-02-18		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	RU index	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)
					Ant 0	Ant 1		
11ax-HE20	MCS0	36	5180	RU26/0	6.29	6.43	9.37	≤ 23.98
				RU52/74	9.02	8.61	11.83	≤ 23.98
				RU106/106	12.13	11.92	15.04	≤ 23.98
11ax-HE20	MCS0	44	5220	RU26/4	7.07	7.30	10.20	≤ 23.98
				RU52/75	8.61	8.83	11.73	≤ 23.98
				RU106/106	11.96	12.20	15.09	≤ 23.98
11ax-HE20	MCS0	48	5240	RU26/8	5.26	6.03	8.67	≤ 23.98
				RU52/77	8.79	9.23	12.03	≤ 23.98
				RU106/107	11.28	11.96	14.64	≤ 23.98
11ax-HE20	MCS0	52	5260	RU26/0	5.34	5.86	8.62	≤ 23.98
				RU52/74	8.82	8.97	11.91	≤ 23.98
				RU106/106	11.25	11.93	14.61	≤ 23.98
11ax-HE20	MCS0	60	5300	RU26/4	6.42	7.52	10.02	≤ 23.98
				RU52/75	8.27	9.12	11.73	≤ 23.98
				RU106/106	11.06	12.17	14.66	≤ 23.98
11ax-HE20	MCS0	64	5320	RU26/8	5.16	6.36	8.81	≤ 23.98
				RU52/77	7.32	8.72	11.09	≤ 23.98
				RU106/107	11.21	12.28	14.79	≤ 23.98
11ax-HE20	MCS0	100	5500	RU26/0	3.11	3.65	6.40	≤ 23.98
				RU52/74	5.87	6.58	9.25	≤ 23.98
				RU106/106	9.14	9.75	12.47	≤ 23.98
11ax-HE20	MCS0	116	5580	RU26/4	3.58	4.47	7.06	≤ 23.98
				RU52/75	5.07	6.34	8.76	≤ 23.98
				RU106/106	8.54	9.25	11.92	≤ 23.98
11ax-HE20	MCS0	140	5700	RU26/8	1.27	2.37	4.87	≤ 23.98
				RU52/77	5.56	6.78	9.22	≤ 23.98
				RU106/107	7.87	9.18	11.58	≤ 23.98
11ax-HE20	MCS0	144	5720	RU26/8	1.17	2.42	4.85	≤ 23.98
				RU52/77	5.59	6.82	9.26	≤ 23.98
				RU106/107	7.93	9.21	11.63	≤ 23.98

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	RU index	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)
					Ant 0	Ant 1		
11ax-HE20	MCS0	149	5745	RU26/0	3.54	4.65	7.14	≤ 30.00
				RU52/74	6.04	7.23	9.69	≤ 30.00
				RU106/106	9.08	9.97	12.56	≤ 30.00
11ax-HE20	MCS0	157	5785	RU26/4	3.57	4.54	7.09	≤ 30.00
				RU52/75	6.52	7.66	10.14	≤ 30.00
				RU106/106	9.47	10.14	12.83	≤ 30.00
11ax-HE20	MCS0	165	5825	RU26/8	3.87	4.08	6.99	≤ 30.00
				RU52/77	6.43	7.16	9.82	≤ 30.00
				RU106/107	9.82	10.21	13.03	≤ 30.00
11ax-HE40	MCS0	38	5190	RU242/122	11.92	12.45	15.20	≤ 23.98
11ax-HE40	MCS0	46	5230	RU242/123	11.95	11.97	14.97	≤ 23.98
11ax-HE40	MCS0	54	5270	RU242/122	11.35	12.16	14.78	≤ 23.98
11ax-HE40	MCS0	62	5310	RU242/123	11.48	12.35	14.95	≤ 23.98
11ax-HE40	MCS0	102	5510	RU242/122	9.42	9.84	12.65	≤ 23.98
11ax-HE40	MCS0	110	5550	RU242/122	9.55	10.13	12.86	≤ 23.98
11ax-HE40	MCS0	134	5670	RU242/123	9.27	10.62	13.01	≤ 23.98
11ax-HE40	MCS0	142	5710	RU242/123	9.53	9.94	12.75	≤ 23.98
11ax-HE40	MCS0	151	5755	RU242/122	9.98	11.62	13.89	≤ 30.00
11ax-HE40	MCS0	159	5795	RU242/123	10.54	11.32	13.96	≤ 30.00
11ax-HE80	MCS0	42	5210	RU484/130	12.31	13.22	15.80	≤ 23.98
11ax-HE80	MCS0	58	5290	RU484/131	12.21	12.91	15.58	≤ 23.98
11ax-HE80	MCS0	106	5530	RU484/130	9.70	10.28	13.01	≤ 23.98
11ax-HE80	MCS0	122	5610	RU484/131	9.45	10.02	12.75	≤ 23.98
11ax-HE80	MCS0	138	5690	RU484/131	9.63	9.85	12.75	≤ 23.98
11ax-HE80	MCS0	155	5775	RU484/130	10.57	11.56	14.10	≤ 30.00
11ax-HE160	MCS0	50	5250	RU996/134	12.69	13.75	16.26	≤ 23.98
11ax-HE160	MCS0	114	5570	RU996/135	9.52	10.29	12.93	≤ 30.98

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

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

Full RU:

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-02-07 ~ 2025-02-08		
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			
11a	6Mbps	36	5180	3.297	3.914	98.91	6.627	≤ 10.57
11a	6Mbps	44	5220	2.856	3.698	98.91	6.308	≤ 10.57
11a	6Mbps	48	5240	2.701	3.970	98.91	6.392	≤ 10.57
11a	6Mbps	52	5260	2.927	3.986	98.91	6.499	≤ 10.61
11a	6Mbps	60	5300	2.723	4.291	98.91	6.588	≤ 10.61
11a	6Mbps	64	5320	2.709	4.358	98.91	6.622	≤ 10.61
11a	6Mbps	100	5500	0.616	1.339	98.91	4.003	≤ 10.58
11a	6Mbps	116	5580	0.688	1.560	98.91	4.156	≤ 10.58
11a	6Mbps	140	5700	0.455	1.251	98.91	3.882	≤ 10.58
11a	6Mbps	144	5720	0.287	1.389	98.91	3.883	≤ 10.58
11ac-VHT20	MCS0	36	5180	2.927	3.621	99.59	6.298	≤ 10.57
11ac-VHT20	MCS0	44	5220	3.090	3.858	99.59	6.501	≤ 10.57
11ac-VHT20	MCS0	48	5240	2.751	4.120	99.59	6.500	≤ 10.57
11ac-VHT20	MCS0	52	5260	2.524	3.523	99.59	6.062	≤ 10.61
11ac-VHT20	MCS0	60	5300	2.327	3.941	99.59	6.219	≤ 10.61
11ac-VHT20	MCS0	64	5320	2.434	3.903	99.59	6.241	≤ 10.61
11ac-VHT20	MCS0	100	5500	0.083	0.950	99.59	3.548	≤ 10.58
11ac-VHT20	MCS0	116	5580	0.248	1.119	99.59	3.716	≤ 10.58
11ac-VHT20	MCS0	140	5700	-0.069	0.935	99.59	3.472	≤ 10.58
11ac-VHT20	MCS0	144	5720	-0.068	0.928	99.59	3.469	≤ 10.58
11ac-VHT40	MCS0	38	5190	-0.144	0.479	99.02	3.189	≤ 10.57
11ac-VHT40	MCS0	46	5230	-0.337	0.413	99.02	3.064	≤ 10.57
11ac-VHT40	MCS0	54	5270	-0.403	0.658	99.02	3.170	≤ 10.61
11ac-VHT40	MCS0	62	5310	-0.378	0.957	99.02	3.351	≤ 10.61
11ac-VHT40	MCS0	102	5510	-2.872	-1.973	99.02	0.611	≤ 10.58
11ac-VHT40	MCS0	110	5550	-2.631	-1.830	99.02	0.798	≤ 10.58
11ac-VHT40	MCS0	134	5670	-2.851	-1.904	99.02	0.659	≤ 10.58
11ac-VHT40	MCS0	142	5710	-2.905	-2.005	99.02	0.579	≤ 10.58

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			
11ac-VHT80	MCS0	42	5210	-3.084	-2.144	99.36	0.422	≤ 10.57
11ac-VHT80	MCS0	58	5290	-3.344	-2.446	99.36	0.138	≤ 10.61
11ac-VHT80	MCS0	106	5530	-5.504	-4.601	99.36	-2.019	≤ 10.58
11ac-VHT80	MCS0	122	5610	-4.930	-3.694	99.36	-1.258	≤ 10.58
11ac-VHT80	MCS0	138	5690	-4.821	-3.439	99.36	-1.065	≤ 10.58
11ac-VHT160	MCS0	50	5250	-5.848	-4.533	98.97	-2.131	≤ 10.57
11ac-VHT160	MCS0	114	5570	-8.633	-7.393	98.97	-4.959	≤ 29.58
11ax-HE20	MCS0	36	5180	2.669	3.362	99.58	6.040	≤ 10.57
11ax-HE20	MCS0	44	5220	2.297	3.232	99.58	5.800	≤ 10.57
11ax-HE20	MCS0	48	5240	2.174	3.236	99.58	5.748	≤ 10.57
11ax-HE20	MCS0	52	5260	2.080	3.330	99.58	5.760	≤ 10.61
11ax-HE20	MCS0	60	5300	2.112	3.641	99.58	5.954	≤ 10.61
11ax-HE20	MCS0	64	5320	2.161	3.788	99.58	6.061	≤ 10.61
11ax-HE20	MCS0	100	5500	-0.144	0.778	99.58	3.352	≤ 10.58
11ax-HE20	MCS0	116	5580	-0.611	0.527	99.58	3.005	≤ 10.58
11ax-HE20	MCS0	140	5700	-0.237	0.716	99.58	3.276	≤ 10.58
11ax-HE20	MCS0	144	5720	-0.300	0.764	99.58	3.275	≤ 10.58
11ax-HE40	MCS0	38	5190	-0.366	0.195	99.52	2.934	≤ 10.57
11ax-HE40	MCS0	46	5230	-0.628	0.068	99.52	2.744	≤ 10.57
11ax-HE40	MCS0	54	5270	-0.642	0.380	99.52	2.909	≤ 10.61
11ax-HE40	MCS0	62	5310	-0.639	0.825	99.52	3.165	≤ 10.61
11ax-HE40	MCS0	102	5510	-3.080	-2.132	99.52	0.430	≤ 10.58
11ax-HE40	MCS0	110	5550	-2.836	-1.918	99.52	0.658	≤ 10.58
11ax-HE40	MCS0	134	5670	-2.957	-2.019	99.52	0.548	≤ 10.58
11ax-HE40	MCS0	142	5710	-3.062	-2.085	99.52	0.464	≤ 10.58
11ax-HE80	MCS0	42	5210	-3.180	-2.282	99.11	0.302	≤ 10.57
11ax-HE80	MCS0	58	5290	-3.357	-2.317	99.11	0.204	≤ 10.61
11ax-HE80	MCS0	106	5530	-5.899	-5.042	99.11	-2.439	≤ 10.58
11ax-HE80	MCS0	122	5610	-5.940	-4.636	99.11	-2.229	≤ 10.58
11ax-HE80	MCS0	138	5690	-6.068	-5.199	99.11	-2.602	≤ 10.58
11ax-HE160	MCS0	50	5250	-5.893	-4.614	99.14	-2.196	≤ 10.57
11ax-HE160	MCS0	114	5570	-8.737	-7.481	99.14	-5.053	≤ 29.58

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

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

Note 2:

For 5125 - 5250MHz Band: PSD Limit (dBm/MHz) = $11 - (6.43 - 6) = 10.57\text{dBm/MHz}$

For 5250 - 5350MHz Band: PSD Limit (dBm/MHz) = $11 - (6.39 - 6) = 10.61\text{dBm/MHz}$.

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = $11 - (6.42 - 6) = 10.58\text{dBm/MHz}$.

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2025-02-07 ~ 2025-02-08		
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			
11a	6Mbps	149	5745	-1.430	-0.337	98.91	2.161	≤ 29.45
11a	6Mbps	157	5785	-1.468	-0.226	98.91	2.208	≤ 29.45
11a	6Mbps	165	5825	-1.401	-0.504	98.91	2.081	≤ 29.45
11ac-VHT20	MCS0	149	5745	-1.742	-0.231	99.59	2.089	≤ 29.45
11ac-VHT20	MCS0	157	5785	-1.884	-0.708	99.59	1.754	≤ 29.45
11ac-VHT20	MCS0	165	5825	-1.946	-0.958	99.59	1.586	≤ 29.45
11ac-VHT40	MCS0	151	5755	-4.700	-3.020	99.59	-0.769	≤ 29.45
11ac-VHT40	MCS0	159	5795	-4.781	-3.540	99.59	-1.106	≤ 29.45
11ac-VHT80	MCS0	155	5775	-7.437	-5.911	99.36	-3.597	≤ 29.45
11ax-HE20	MCS0	149	5745	-2.188	-0.980	99.58	1.468	≤ 29.45
11ax-HE20	MCS0	157	5785	-2.210	-0.815	99.58	1.554	≤ 29.45
11ax-HE20	MCS0	165	5825	-2.119	-1.114	99.58	1.423	≤ 29.45
11ax-HE40	MCS0	151	5755	-4.879	-3.301	99.52	-1.008	≤ 29.45
11ax-HE40	MCS0	159	5795	-4.751	-3.242	99.52	-0.921	≤ 29.45
11ax-HE80	MCS0	155	5775	-7.753	-6.422	99.11	-4.026	≤ 29.45

Note 1:

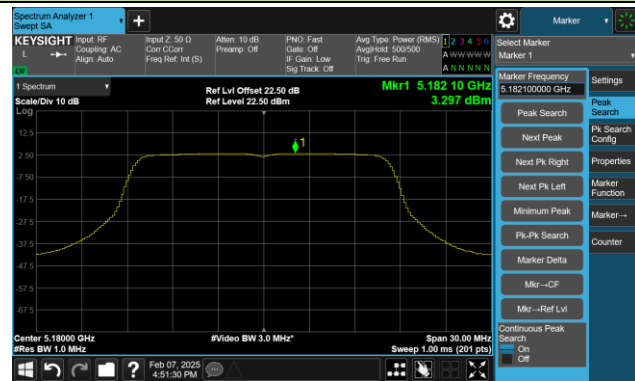
When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\}$
+ $10 \cdot \log (1/\text{Duty cycle})$.

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

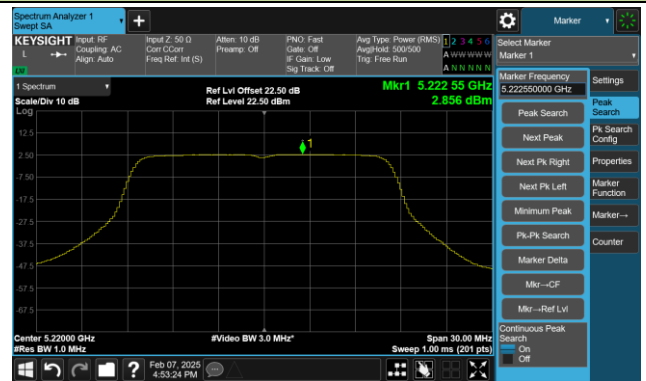
Note 2: PSD Limit (dBm/500kHz) = 30 - (6.55 - 6) = 29.45dBm/500kHz.

802.11a Power Spectral Density- Ant 0

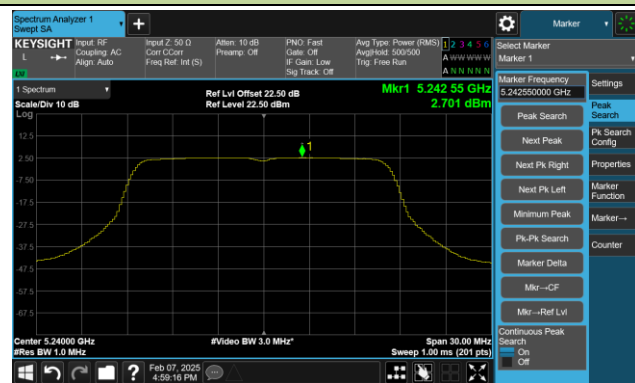
Channel 36 (5180MHz)



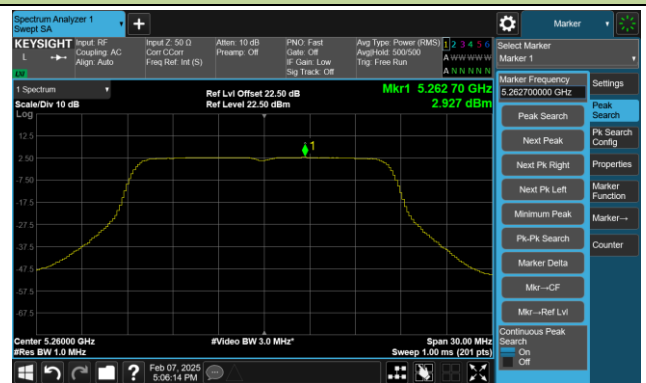
Channel 44 (5220MHz)



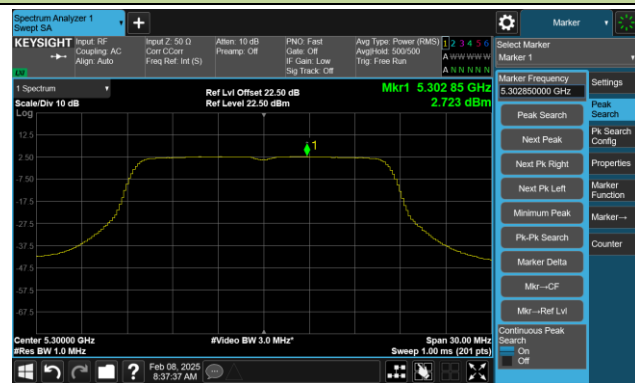
Channel 48 (5240MHz)



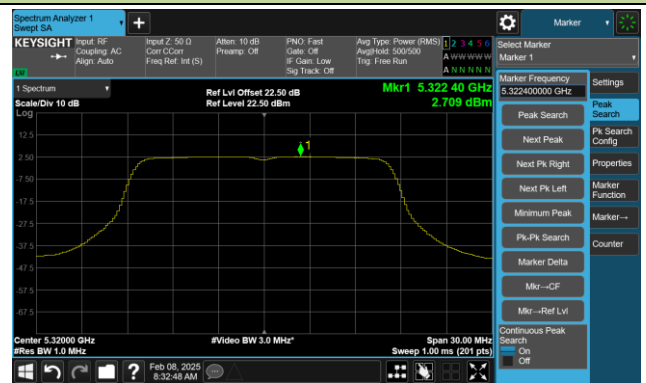
Channel 52 (5260MHz)



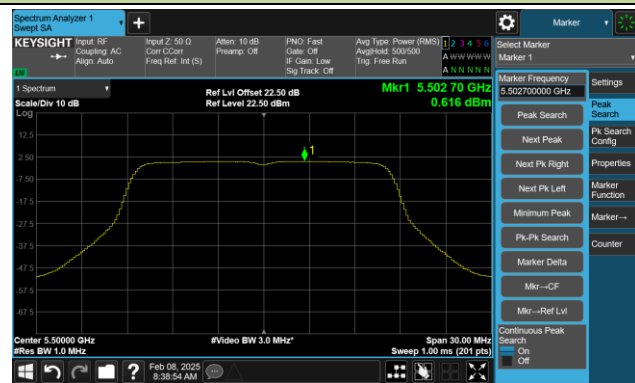
Channel 60 (5300MHz)



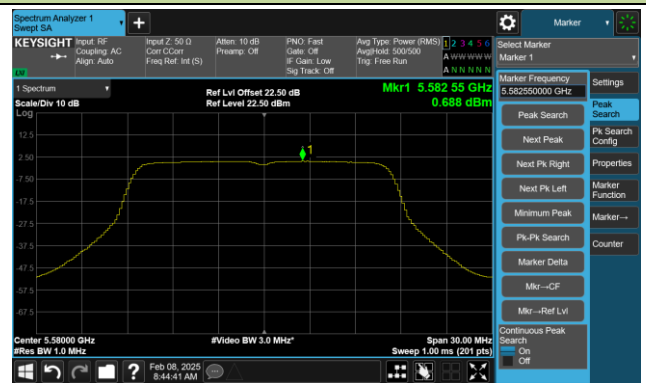
Channel 64 (5320MHz)



Channel 100 (5500MHz)

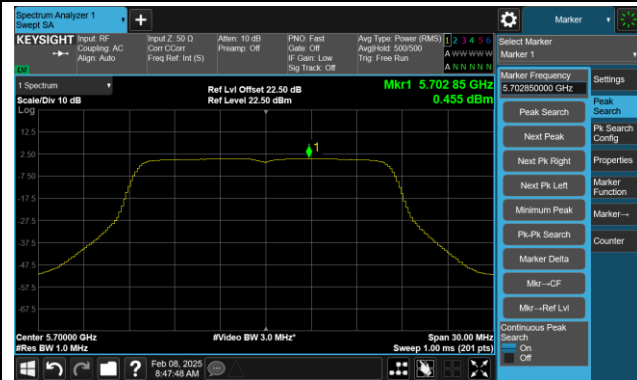


Channel 116 (5580MHz)

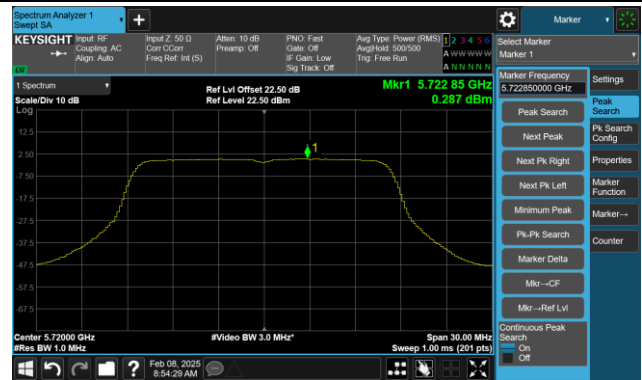


802.11a Power Spectral Density- Ant 0

Channel 140 (5700MHz)



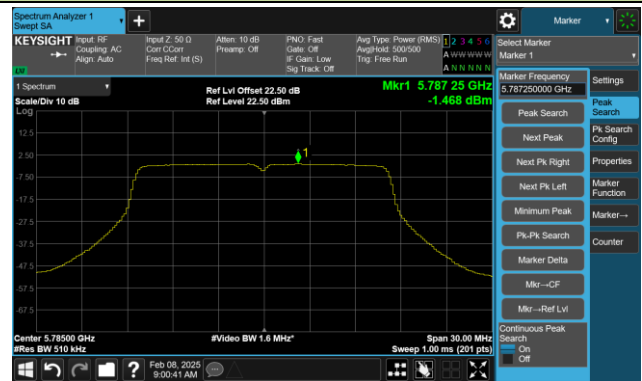
Channel 144(5720MHz)



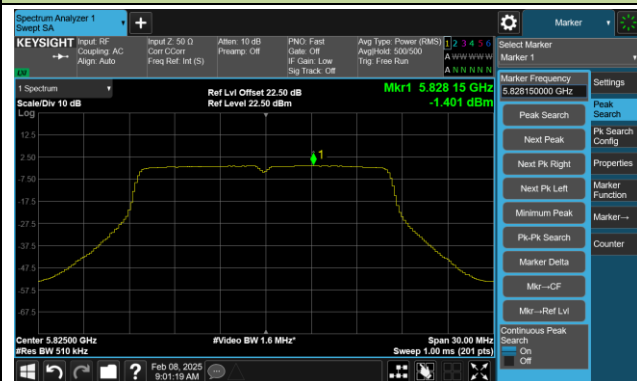
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



802.11ac-VHT20 Power Spectral Density- Ant 0

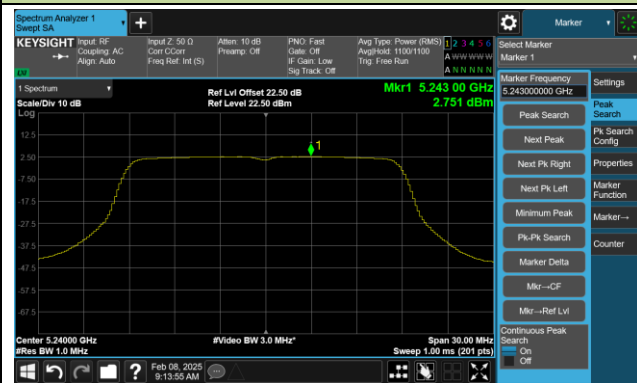
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



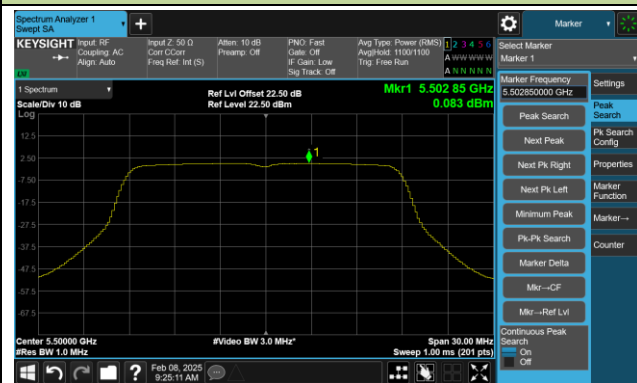
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

