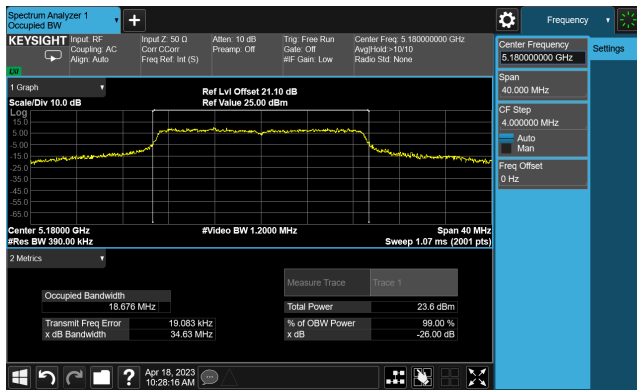
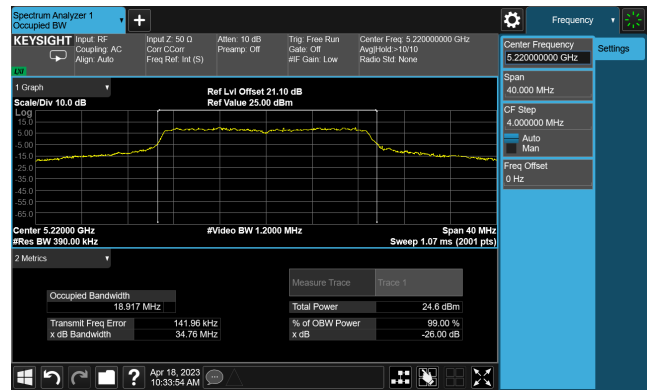


802.11ac-VHT20 26dB & 99% Bandwidth

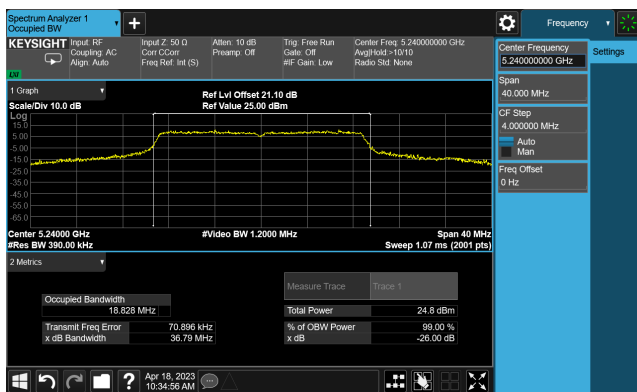
Channel 36 (5180MHz)



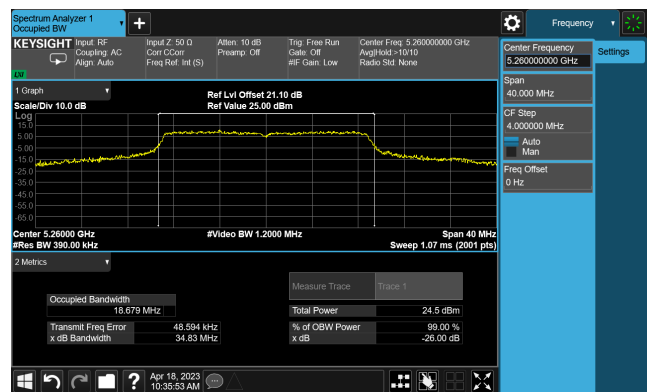
Channel 44 (5220MHz)



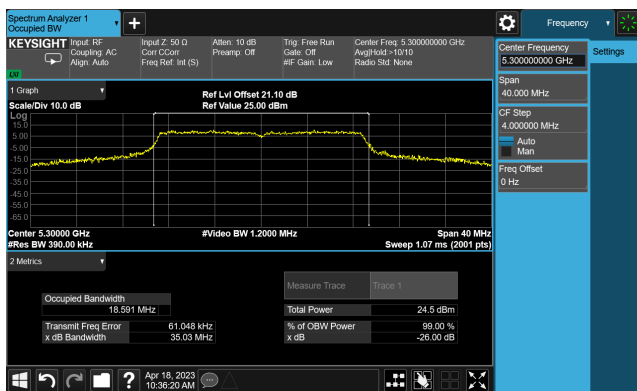
Channel 48 (5240MHz)



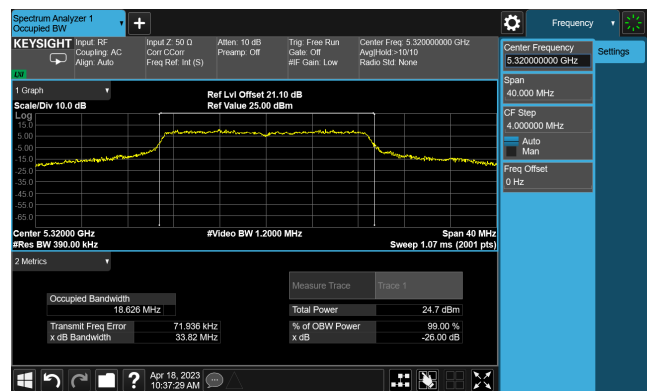
Channel 52 (5260MHz)

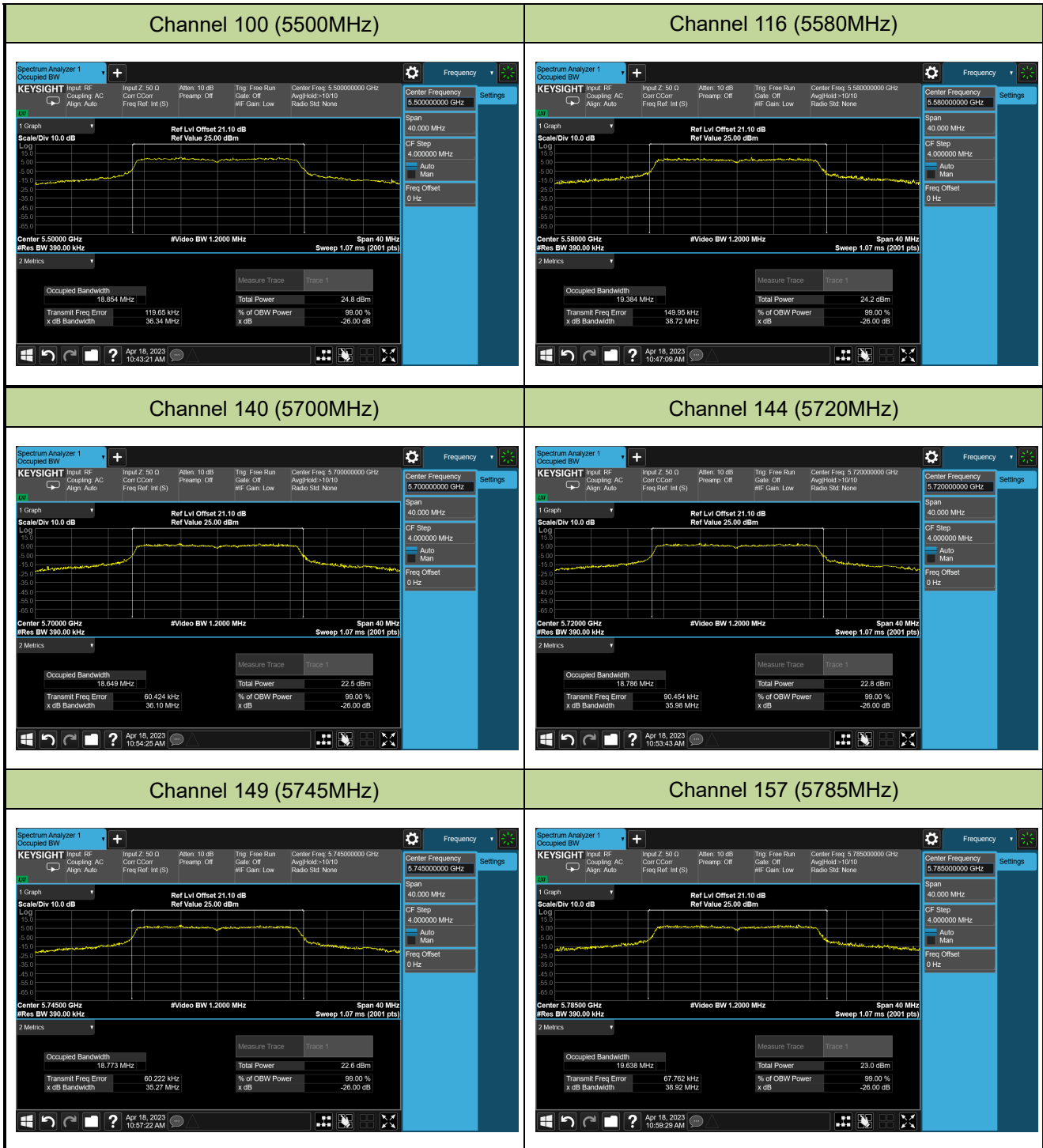


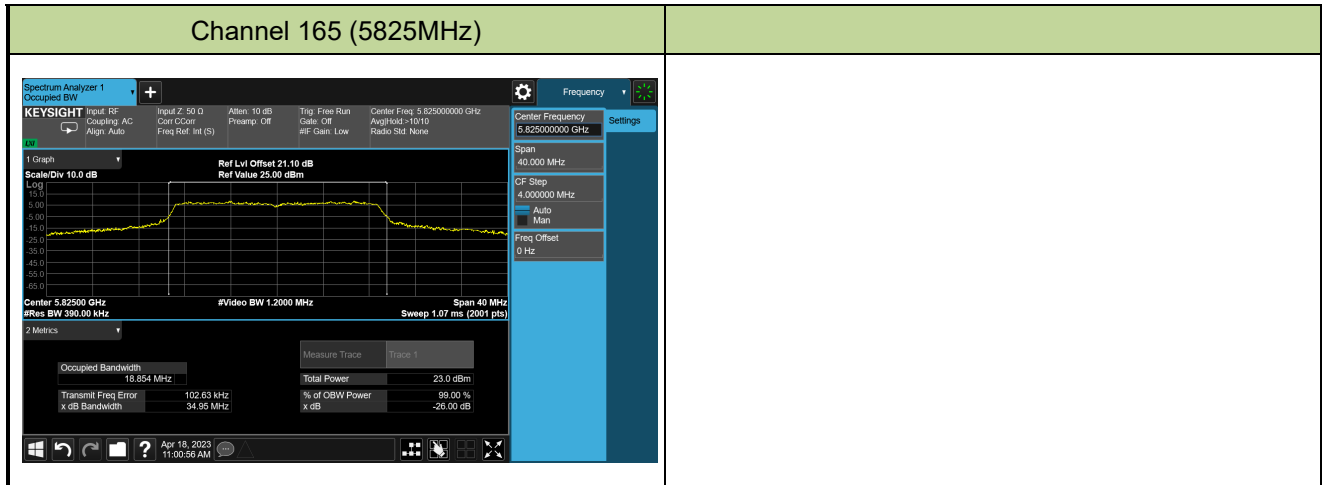
Channel 60 (5300MHz)



Channel 64 (5320MHz)





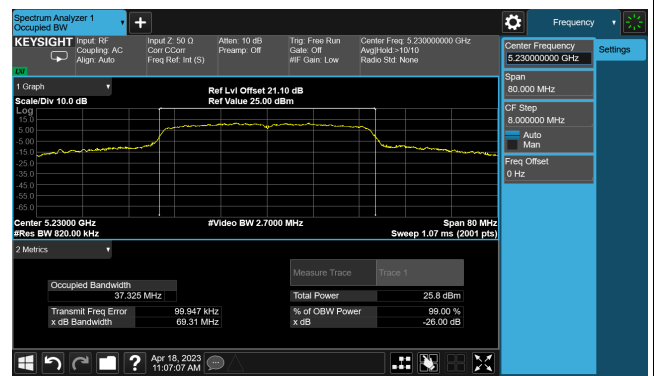


802.11ac-VHT40 26dB & 99% Bandwidth

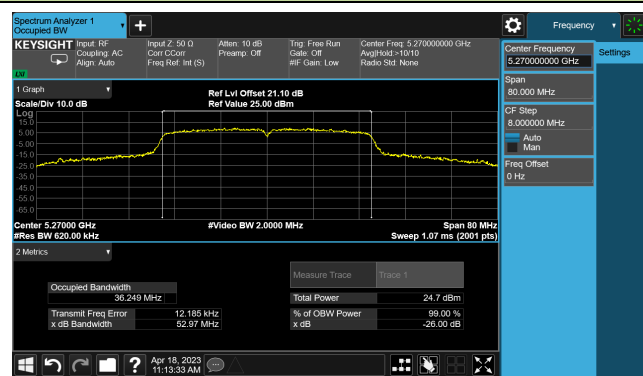
Channel 38 (5190MHz)



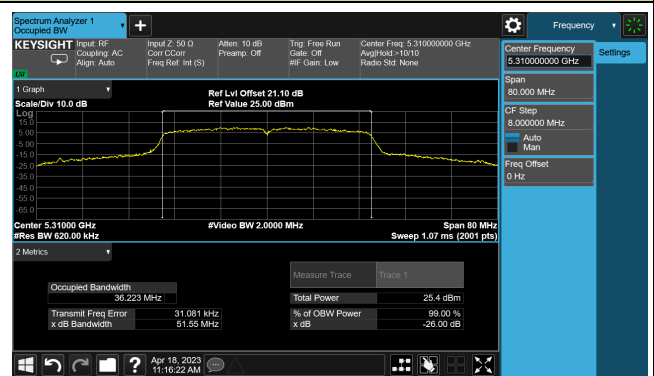
Channel 46 (5230MHz)



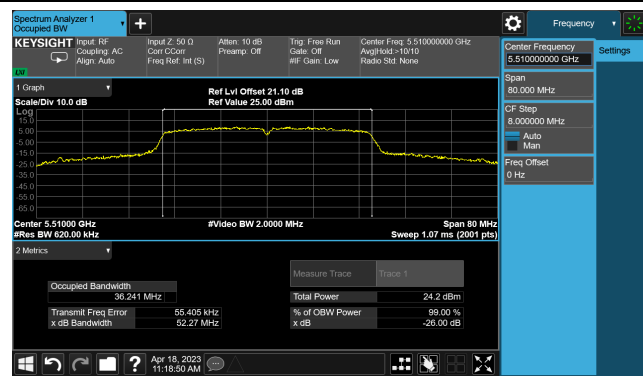
Channel 54 (5270MHz)



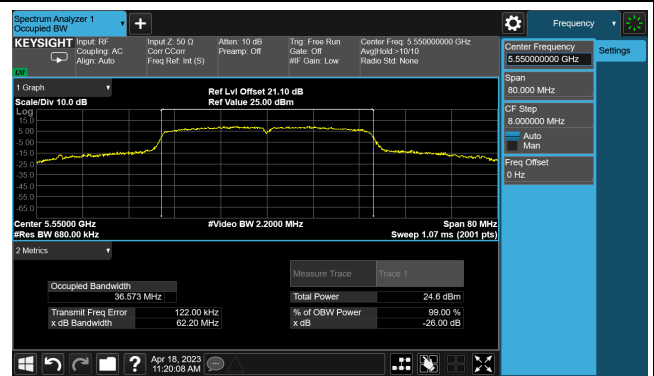
Channel 62 (5310MHz)

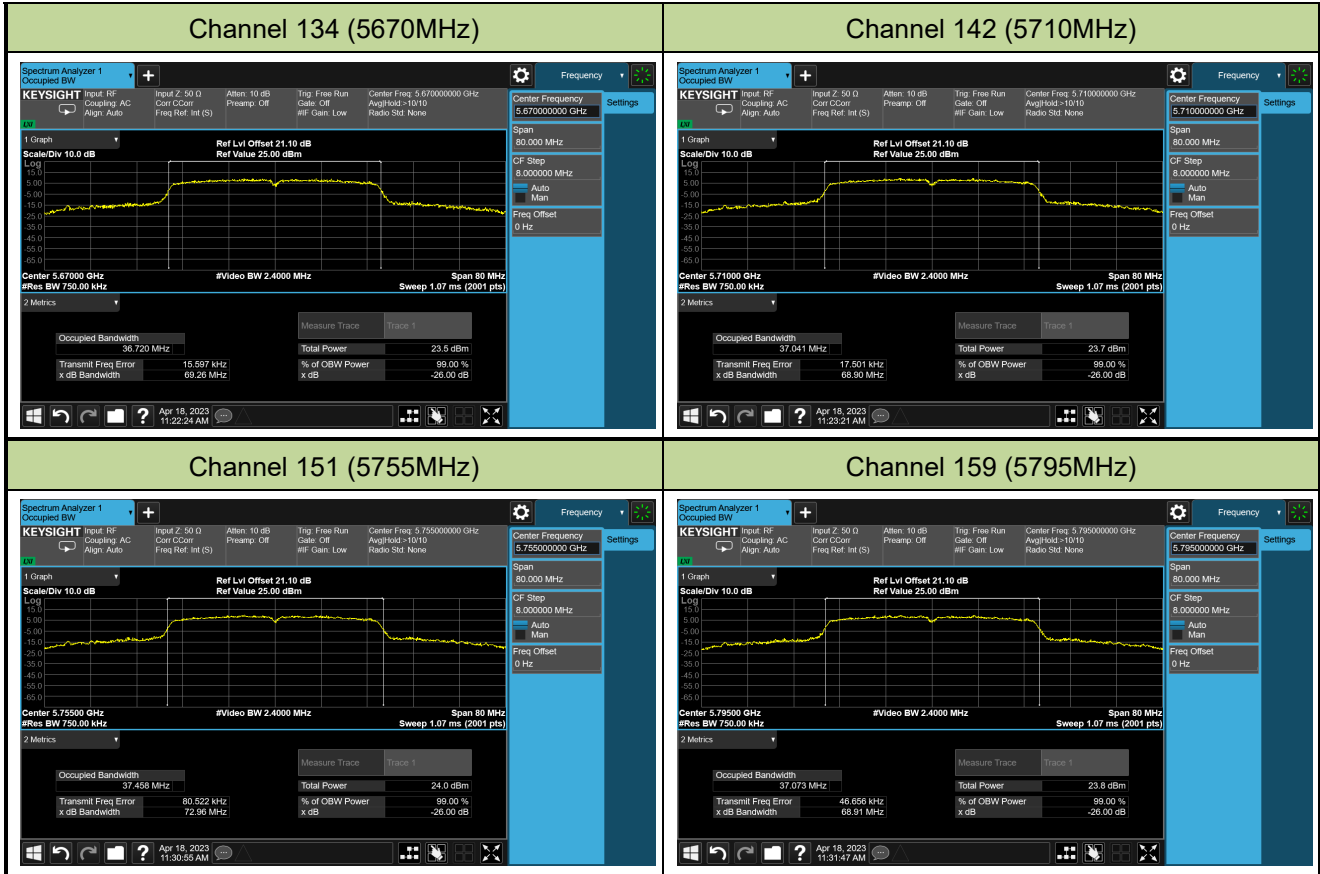


Channel 102 (5510MHz)



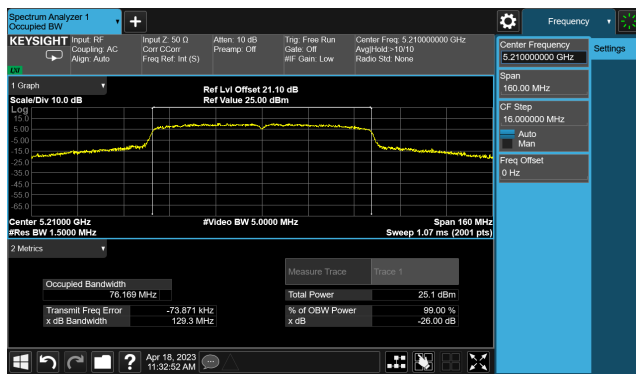
Channel 110 (5550MHz)



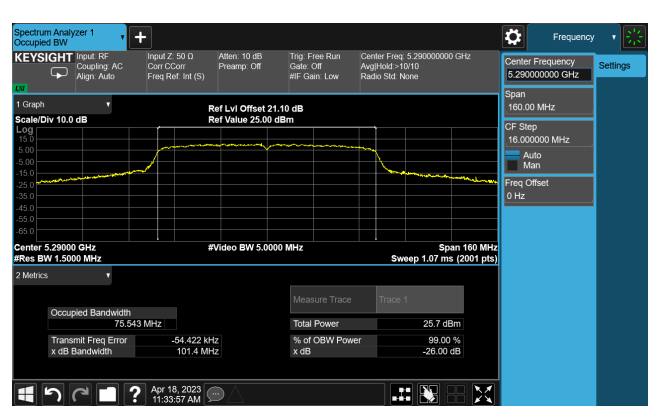


802.11ac-VHT80 26dB & 99% Bandwidth

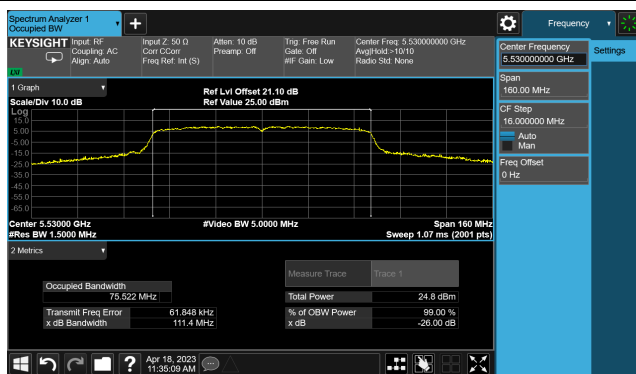
Channel 42 (5210MHz)



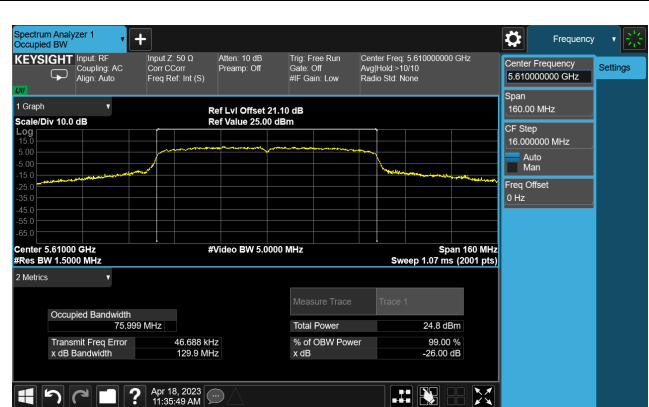
Channel 58 (5290MHz)



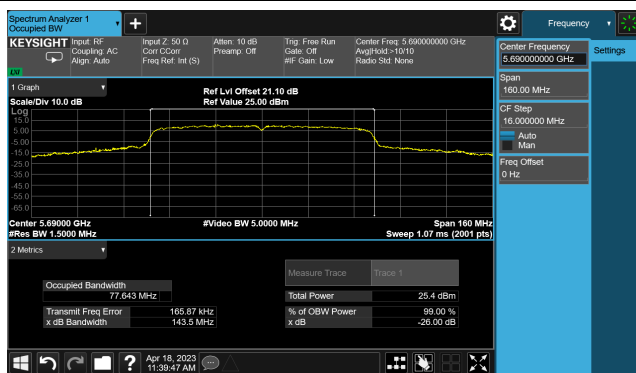
Channel 106 (5530MHz)



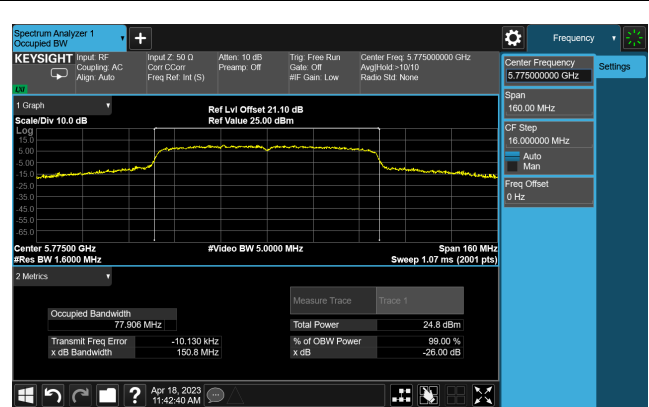
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



A.3 6dB Bandwidth Test Result

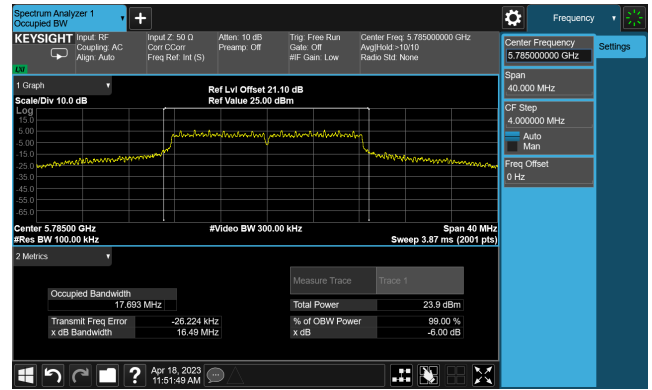
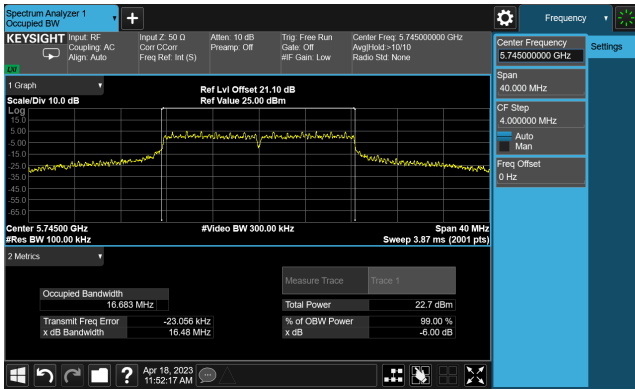
Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2023-04-18		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	54Mbps	149	5745	16.48	≥ 0.5	Pass
802.11a	54Mbps	157	5785	16.49	≥ 0.5	Pass
802.11a	54Mbps	165	5825	16.48	≥ 0.5	Pass
802.11ac-VHT20	MCS6	149	5745	17.66	≥ 0.5	Pass
802.11ac-VHT20	MCS6	157	5785	17.68	≥ 0.5	Pass
802.11ac-VHT20	MCS6	165	5825	17.67	≥ 0.5	Pass
802.11ac-VHT40	MCS1	151	5755	35.12	≥ 0.5	Pass
802.11ac-VHT40	MCS1	159	5795	35.12	≥ 0.5	Pass
802.11ac-VHT80	MCS2	155	5775	72.64	≥ 0.5	Pass

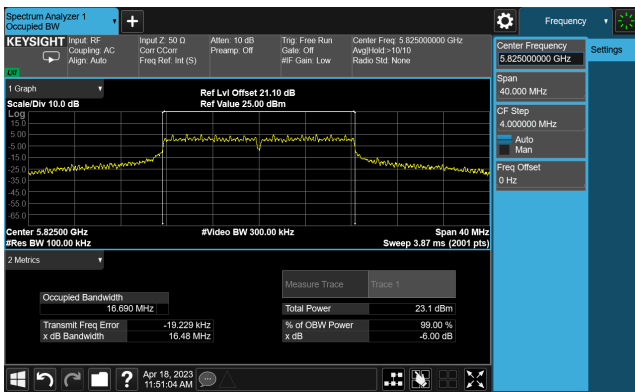
802.11a 6dB Bandwidth

Channel 149 (5745MHz)

Channel 157 (5785MHz)

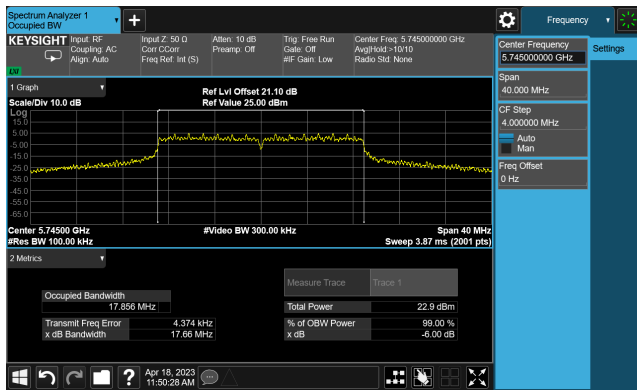


Channel 165 (5825MHz)

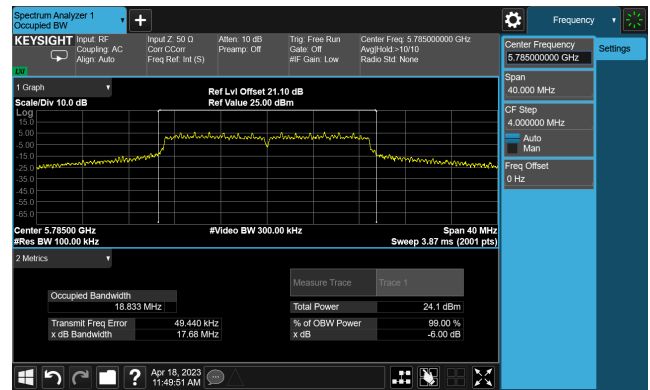


802.11ac-VHT20 6dB Bandwidth

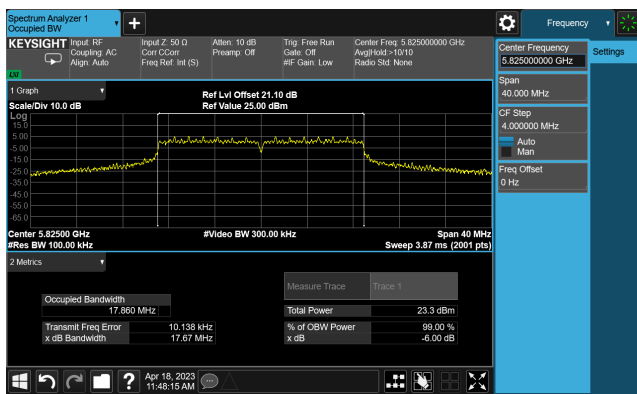
Channel 149 (5745MHz)



Channel 157 (5785MHz)

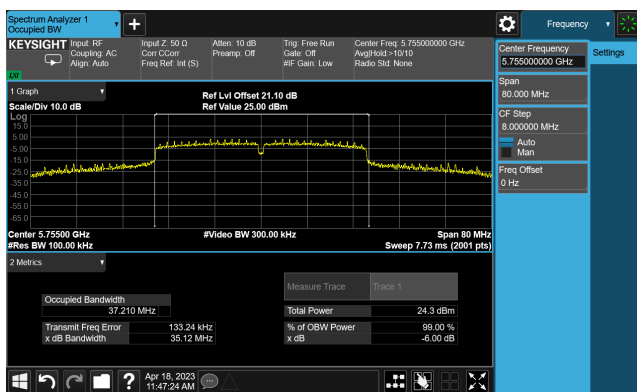


Channel 165 (5825MHz)

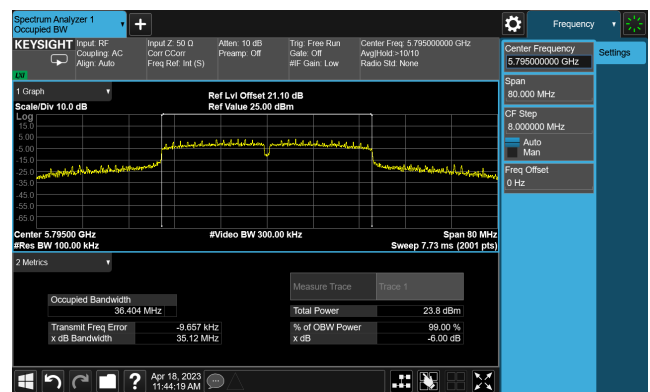


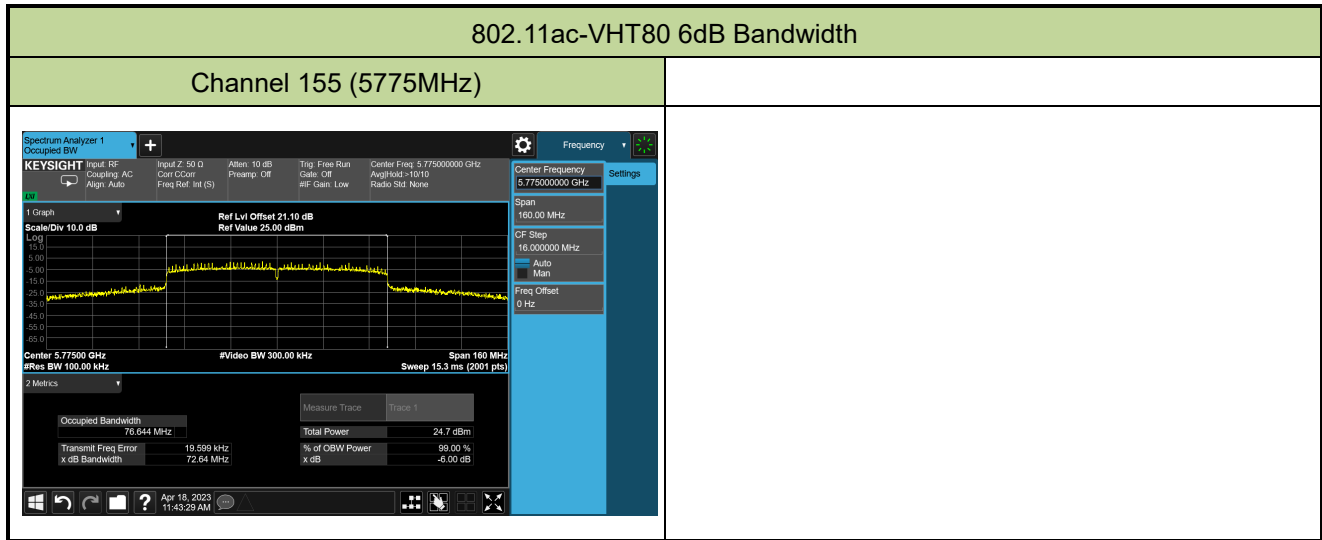
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)





A.4 Output Power Test Result

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2023-04-17		

Test Mode	Data Rate	Ch. No.	Freq. (MHz)	Average Power (dBm)	Power Limit (dBm)
802.11a	54Mbps	36	5180	14.32	≤ 23.98
802.11a	54Mbps	44	5220	17.19	≤ 23.98
802.11a	54Mbps	48	5240	17.86	≤ 23.98
802.11a	54Mbps	52	5260	17.73	≤ 23.98
802.11a	54Mbps	60	5300	17.70	≤ 23.98
802.11a	54Mbps	64	5320	15.18	≤ 23.98
802.11a	54Mbps	100	5500	14.05	≤ 23.98
802.11a	54Mbps	116	5580	17.23	≤ 23.98
802.11a	54Mbps	140	5700	13.24	≤ 23.98
802.11a	54Mbps	144	5720	16.63	≤ 23.98
802.11a	54Mbps	149	5745	15.62	≤ 30.00
802.11a	54Mbps	157	5785	16.37	≤ 30.00
802.11a	54Mbps	165	5825	15.78	≤ 30.00
802.11ac-VHT20	MCS6	36	5180	13.45	≤ 23.98
802.11ac-VHT20	MCS6	44	5220	17.06	≤ 23.98
802.11ac-VHT20	MCS6	48	5240	17.94	≤ 23.98
802.11ac-VHT20	MCS6	52	5260	17.59	≤ 23.98
802.11ac-VHT20	MCS6	60	5300	17.67	≤ 23.98
802.11ac-VHT20	MCS6	64	5320	13.34	≤ 23.98
802.11ac-VHT20	MCS6	100	5500	14.88	≤ 23.98
802.11ac-VHT20	MCS6	116	5580	17.26	≤ 23.98
802.11ac-VHT20	MCS6	140	5700	12.25	≤ 23.98
802.11ac-VHT20	MCS6	144	5720	15.47	≤ 23.98
802.11ac-VHT20	MCS6	149	5745	15.57	≤ 30.00
802.11ac-VHT20	MCS6	157	5785	16.45	≤ 30.00
802.11ac-VHT20	MCS6	165	5825	15.66	≤ 30.00

Test Mode	Data Rate	Ch. No.	Freq. (MHz)	Total Average Power (dBm)	Average Power Limit (dBm)
11ac-VHT40	MCS1	38	5190	10.12	≤ 23.98
11ac-VHT40	MCS1	46	5230	18.17	≤ 23.98
11ac-VHT40	MCS1	54	5270	17.92	≤ 23.98
11ac-VHT40	MCS1	62	5310	12.87	≤ 23.98
11ac-VHT40	MCS1	102	5510	8.78	≤ 23.98
11ac-VHT40	MCS1	110	5550	17.65	≤ 23.98
11ac-VHT40	MCS1	134	5670	13.89	≤ 23.98
11ac-VHT40	MCS1	142	5710	16.74	≤ 23.98
11ac-VHT40	MCS1	151	5755	16.90	≤ 30.00
11ac-VHT40	MCS1	159	5795	16.76	≤ 30.00
11ac-VHT80	MCS2	42	5210	7.84	≤ 23.98
11ac-VHT80	MCS2	58	5290	12.36	≤ 23.98
11ac-VHT80	MCS2	106	5530	16.73	≤ 23.98
11ac-VHT80	MCS2	122	5610	17.04	≤ 23.98
11ac-VHT80	MCS2	138	5690	17.25	≤ 23.98
11ac-VHT80	MCS2	155	5775	17.29	≤ 30.00

Note: For straddle channel, the conducted power limit is as below.

802.11a CH144: $11 + 10 \log_{10}(B) = 24.86\text{dBm} > 23.98\text{dBm}$, $B = 38.59/2 + 5 = 24.295\text{MHz}$.

802.11ac-VHT20 CH144: $11 + 10 \log_{10}(B) = 24.61\text{dBm} > 23.98\text{dBm}$, $B = 35.98/2 + 5 = 22.99\text{MHz}$.

A.5 Power Spectral Density Test Result

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2023-04-17~2023-04-27		

Test Mode	Data Rate	Ch. No.	Freq. (MHz)	PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/ MHz)
For NII-1/-2a/-2c Bands:							
11a	54Mbps	36	5180	0.98	69.75	2.55	≤ 11.00
11a	54Mbps	44	5220	4.02	69.75	5.59	≤ 11.00
11a	54Mbps	48	5240	5.14	69.75	6.70	≤ 11.00
11a	54Mbps	52	5260	5.31	69.75	6.87	≤ 11.00
11a	54Mbps	60	5300	5.60	69.75	7.16	≤ 11.00
11a	54Mbps	64	5320	1.90	69.75	3.47	≤ 11.00
11a	54Mbps	100	5500	0.85	69.75	2.41	≤ 11.00
11a	54Mbps	116	5580	4.51	69.75	6.08	≤ 11.00
11a	54Mbps	140	5700	-0.36	69.75	1.20	≤ 11.00
11a	54Mbps	144	5720	3.51	69.75	5.07	≤ 11.00
11ac-VHT20	MCS6	36	5180	-0.45	72.02	0.97	≤ 11.00
11ac-VHT20	MCS6	44	5220	3.58	72.02	5.01	≤ 11.00
11ac-VHT20	MCS6	48	5240	5.00	72.02	6.43	≤ 11.00
11ac-VHT20	MCS6	52	5260	5.27	72.02	6.70	≤ 11.00
11ac-VHT20	MCS6	60	5300	5.12	72.02	6.54	≤ 11.00
11ac-VHT20	MCS6	64	5320	0.18	72.02	1.60	≤ 11.00
11ac-VHT20	MCS6	100	5500	1.70	72.02	3.12	≤ 11.00
11ac-VHT20	MCS6	116	5580	4.30	72.02	5.72	≤ 11.00
11ac-VHT20	MCS6	140	5700	-0.90	72.02	0.53	≤ 11.00
11ac-VHT20	MCS6	144	5720	2.29	72.02	3.72	≤ 11.00
11ac-VHT40	MCS1	38	5190	-5.51	78.59	-4.46	≤ 11.00
11ac-VHT40	MCS1	46	5230	1.58	78.59	2.62	≤ 11.00
11ac-VHT40	MCS1	54	5270	2.71	78.59	3.76	≤ 11.00
11ac-VHT40	MCS1	62	5310	-2.02	78.59	-0.97	≤ 11.00
11ac-VHT40	MCS1	102	5510	-6.37	78.59	-5.32	≤ 11.00
11ac-VHT40	MCS1	110	5550	2.53	78.59	3.58	≤ 11.00
11ac-VHT40	MCS1	134	5670	-1.48	78.59	-0.43	≤ 11.00
11ac-VHT40	MCS1	142	5710	1.46	78.59	2.50	≤ 11.00