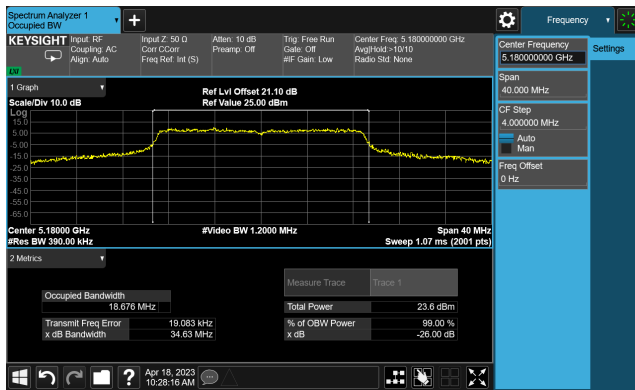
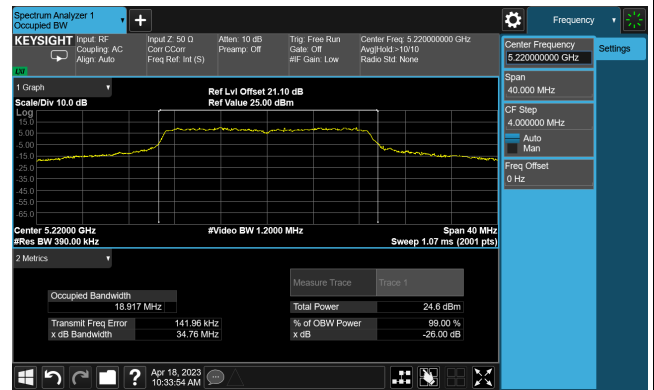


802.11ac-VHT20 26dB & 99% Bandwidth

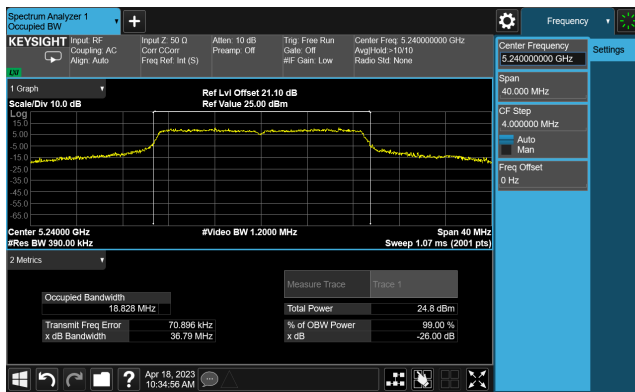
Channel 36 (5180MHz)



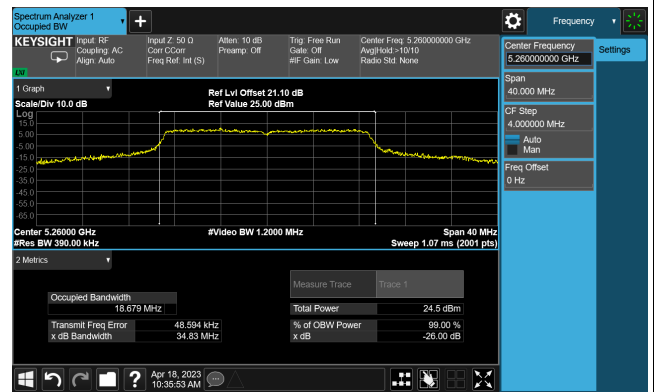
Channel 44 (5220MHz)



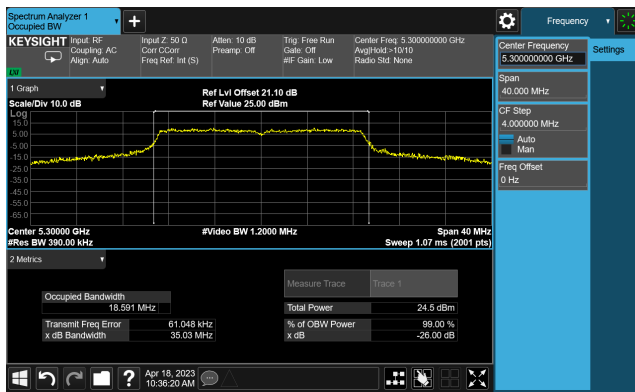
Channel 48 (5240MHz)



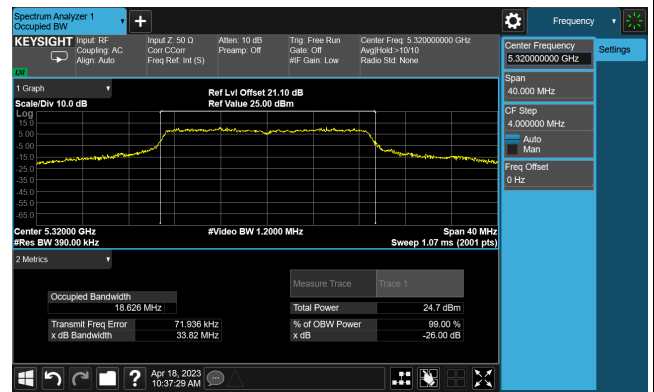
Channel 52 (5260MHz)



Channel 60 (5300MHz)



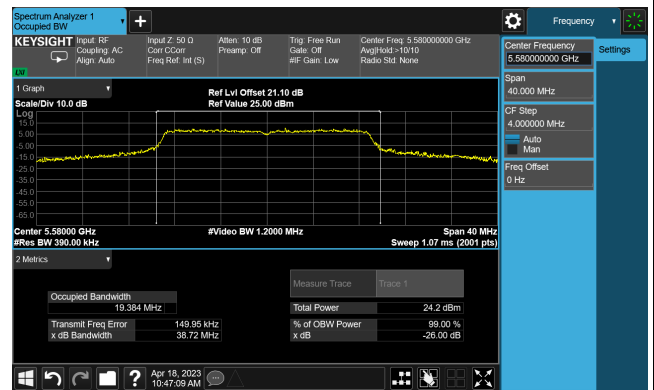
Channel 64 (5320MHz)



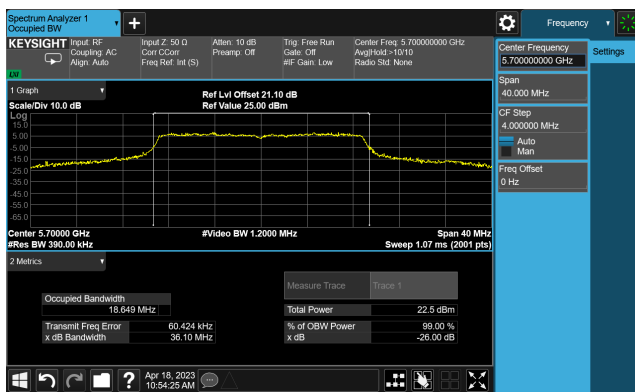
Channel 100 (5500MHz)



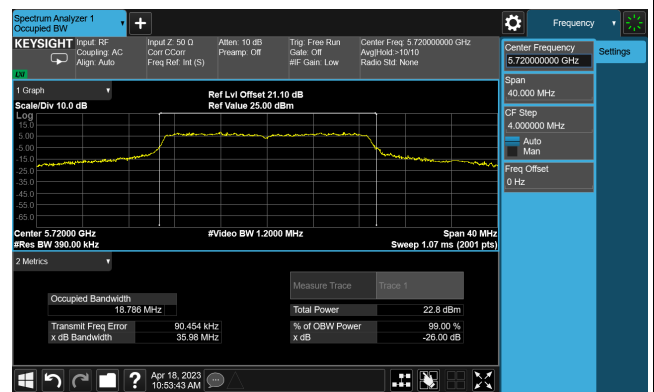
Channel 116 (5580MHz)



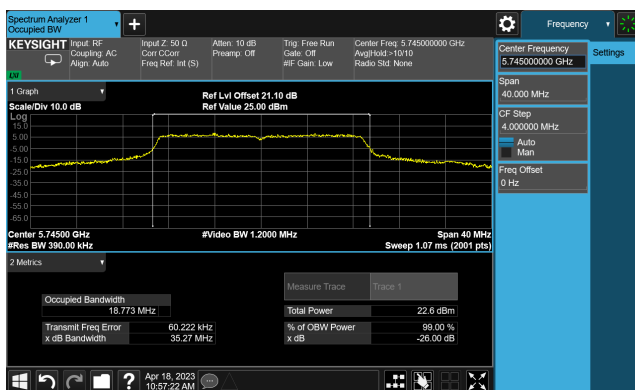
Channel 140 (5700MHz)



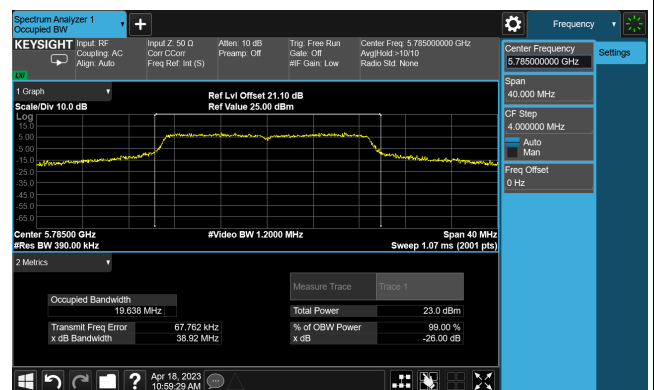
Channel 144 (5720MHz)

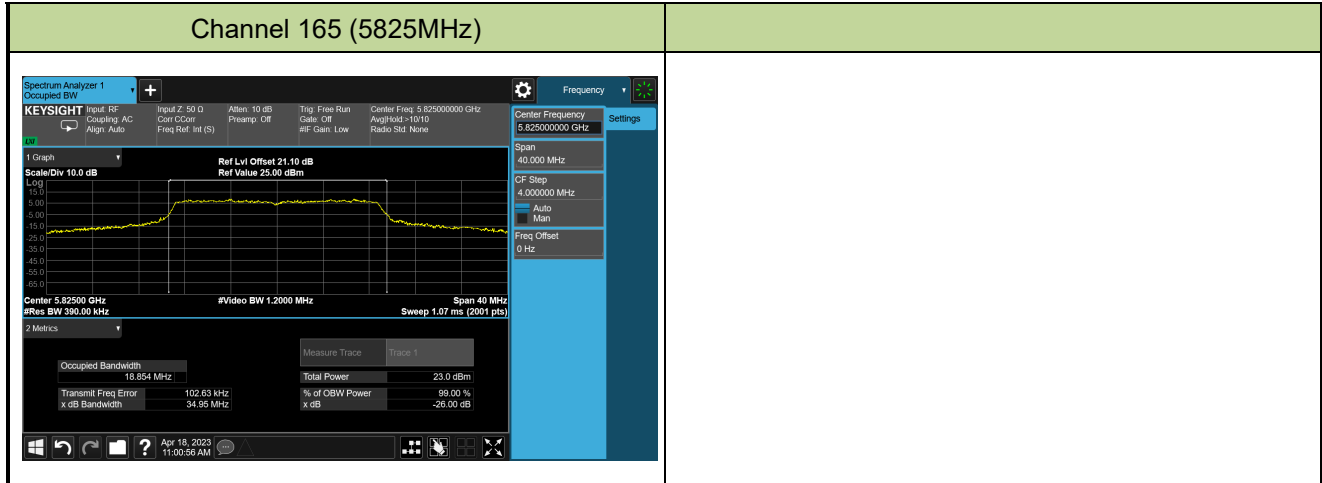


Channel 149 (5745MHz)



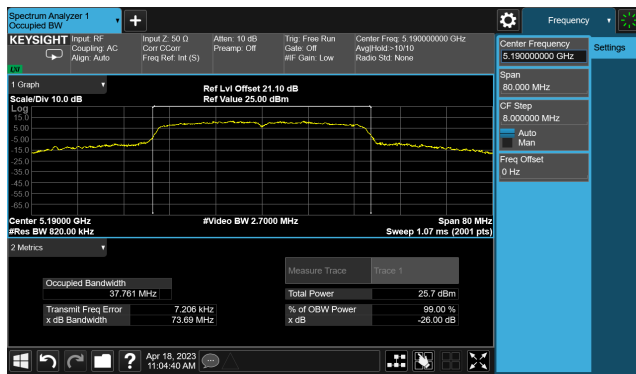
Channel 157 (5785MHz)



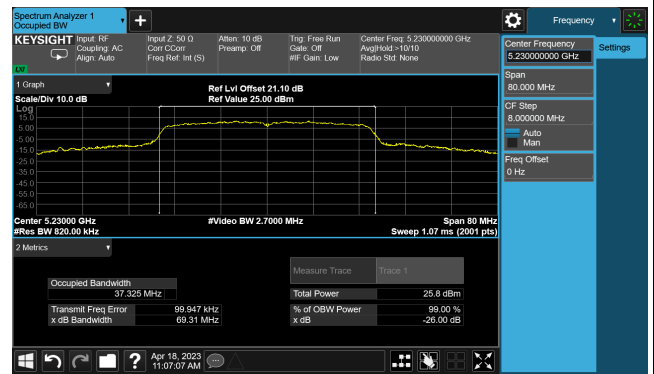


802.11ac-VHT40 26dB & 99% Bandwidth

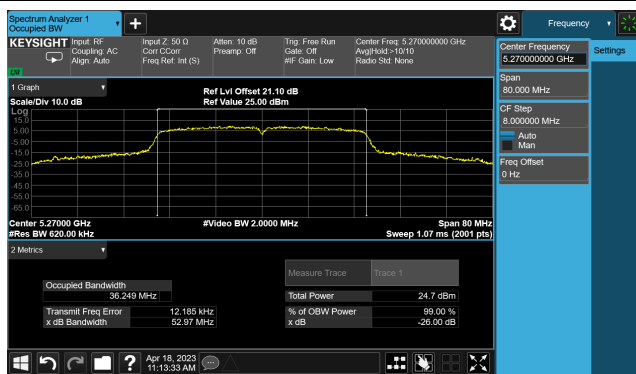
Channel 38 (5190MHz)



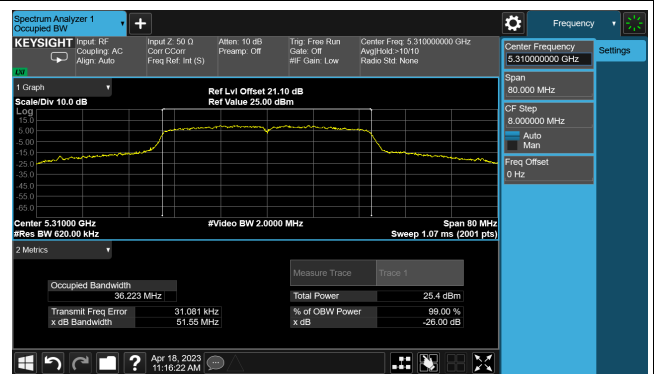
Channel 46 (5230MHz)



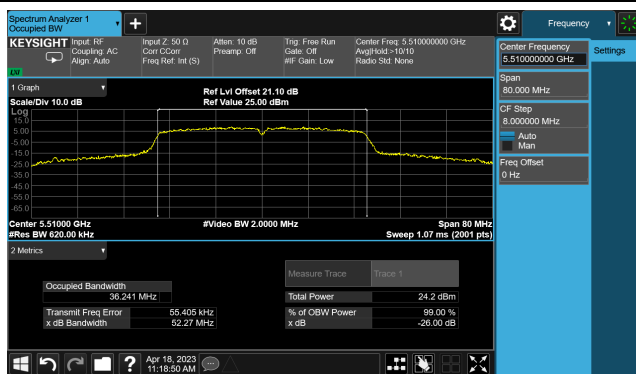
Channel 54 (5270MHz)



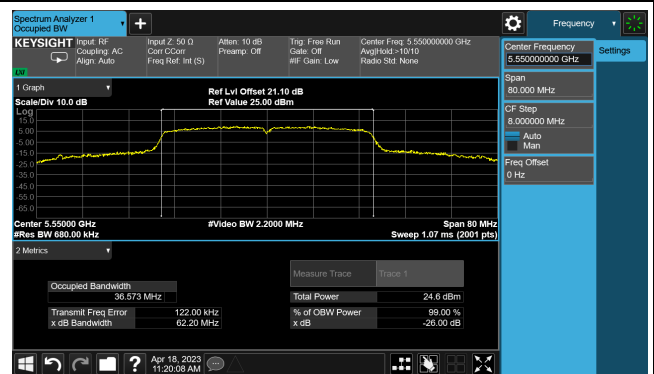
Channel 62 (5310MHz)

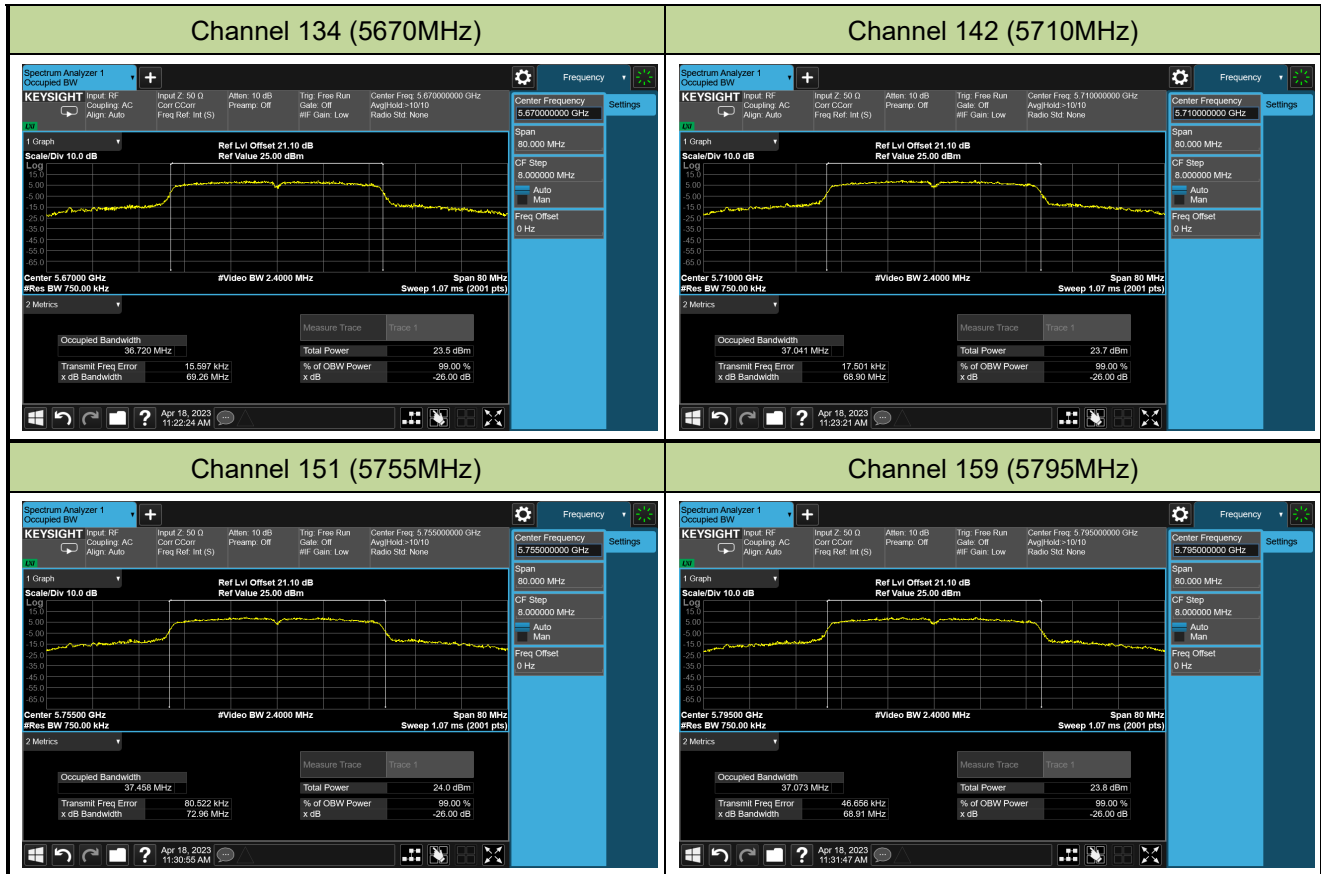


Channel 102 (5510MHz)



Channel 110 (5550MHz)



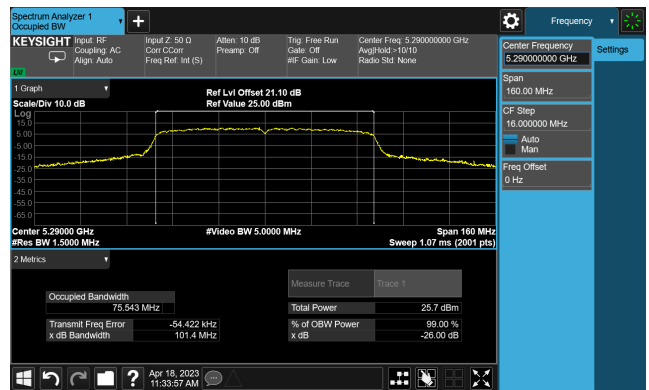


802.11ac-VHT80 26dB & 99% Bandwidth

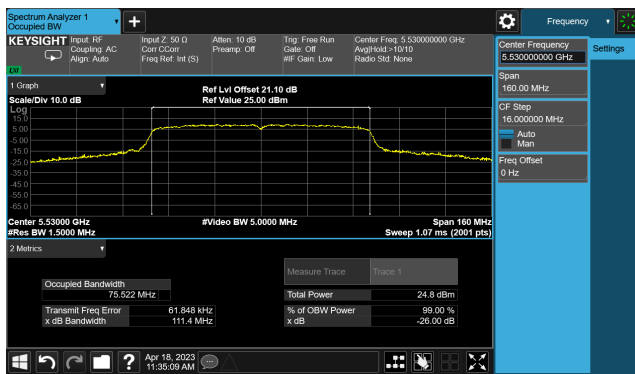
Channel 42 (5210MHz)



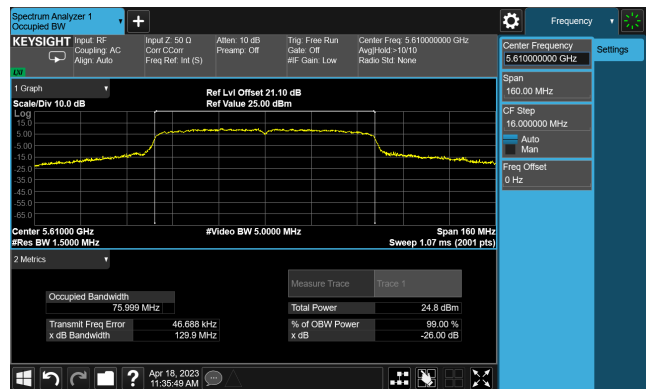
Channel 58 (5290MHz)



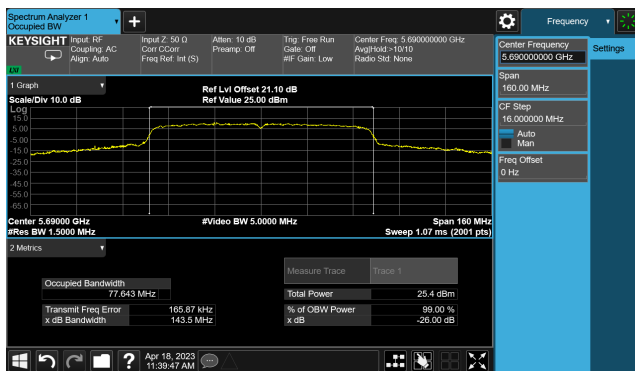
Channel 106 (5530MHz)



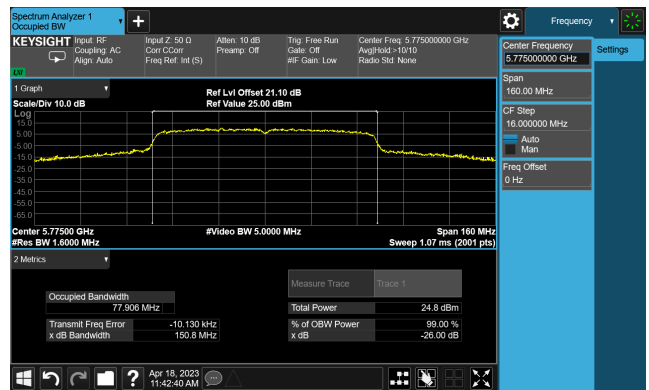
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



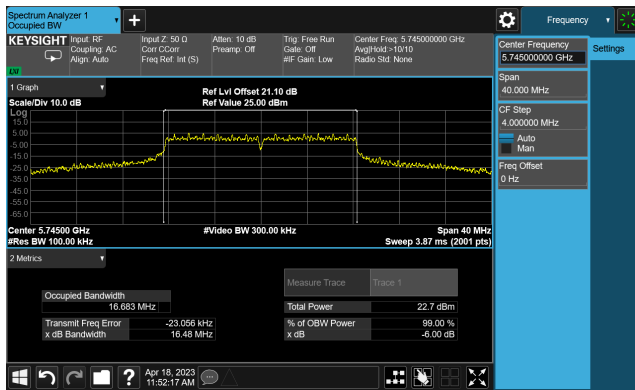
A.3 6dB Bandwidth Test Result

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

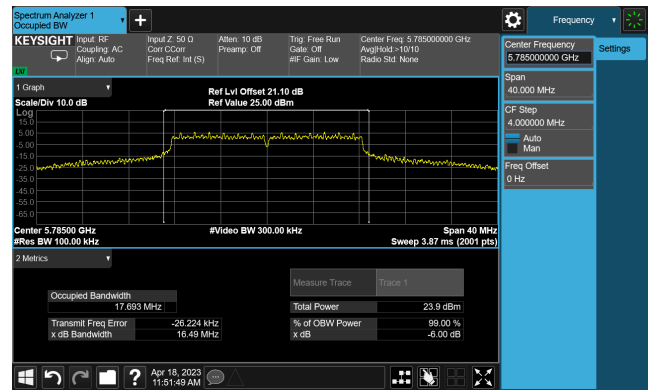
Test Mode	Data Rate	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	54Mbps	149	5745	16.48	≥ 0.5	Pass
802.11a	54Mbps	157	5785	16.49	≥ 0.5	Pass
802.11a	54Mbps	165	5825	16.48	≥ 0.5	Pass
802.11ac-VHT20	MCS6	149	5745	17.66	≥ 0.5	Pass
802.11ac-VHT20	MCS6	157	5785	17.68	≥ 0.5	Pass
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

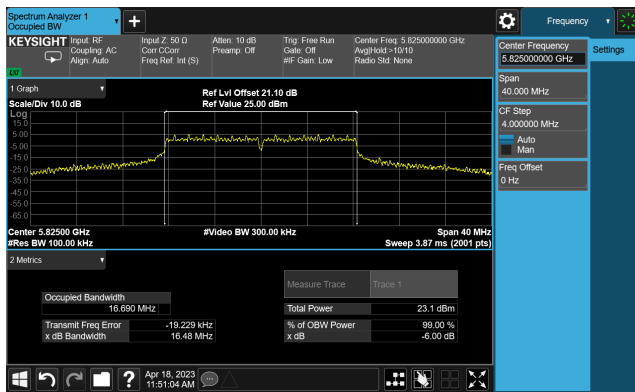
Channel 149 (5745MHz)



Channel 157 (5785MHz)

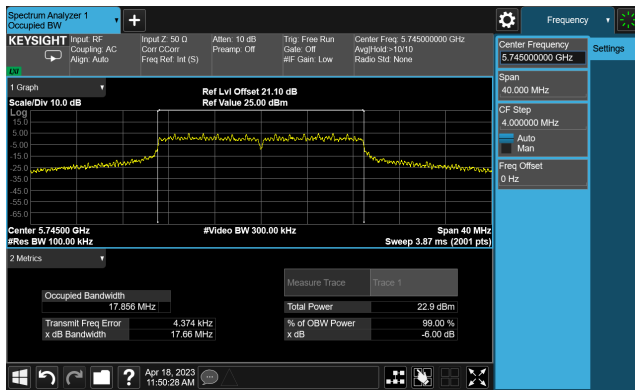


Channel 165 (5825MHz)

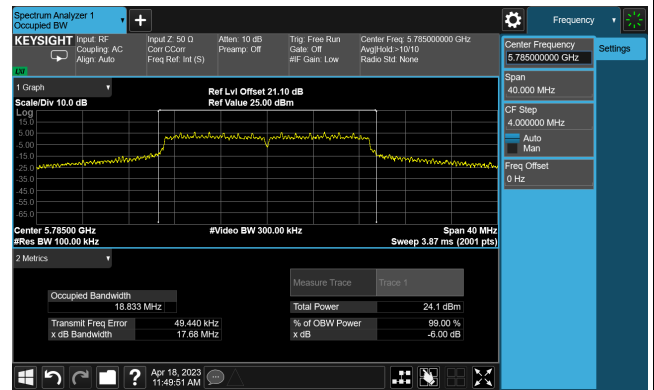


802.11ac-VHT20 6dB Bandwidth

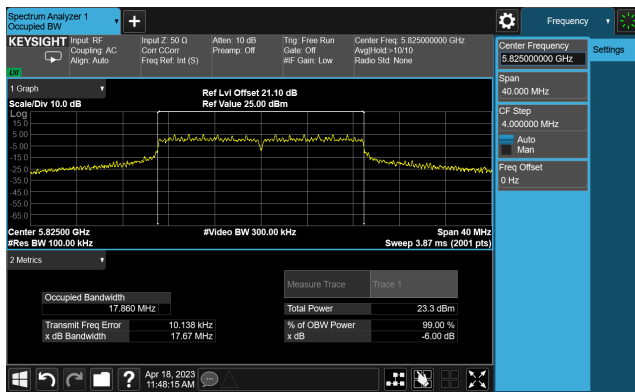
Channel 149 (5745MHz)



Channel 157 (5785MHz)

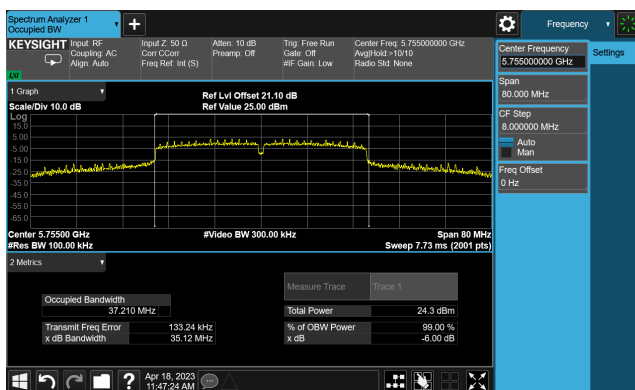


Channel 165 (5825MHz)

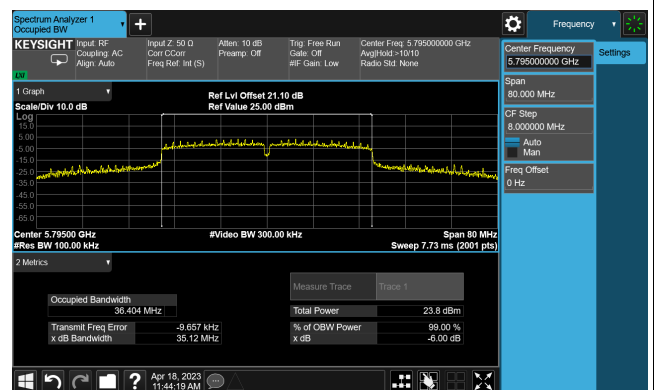


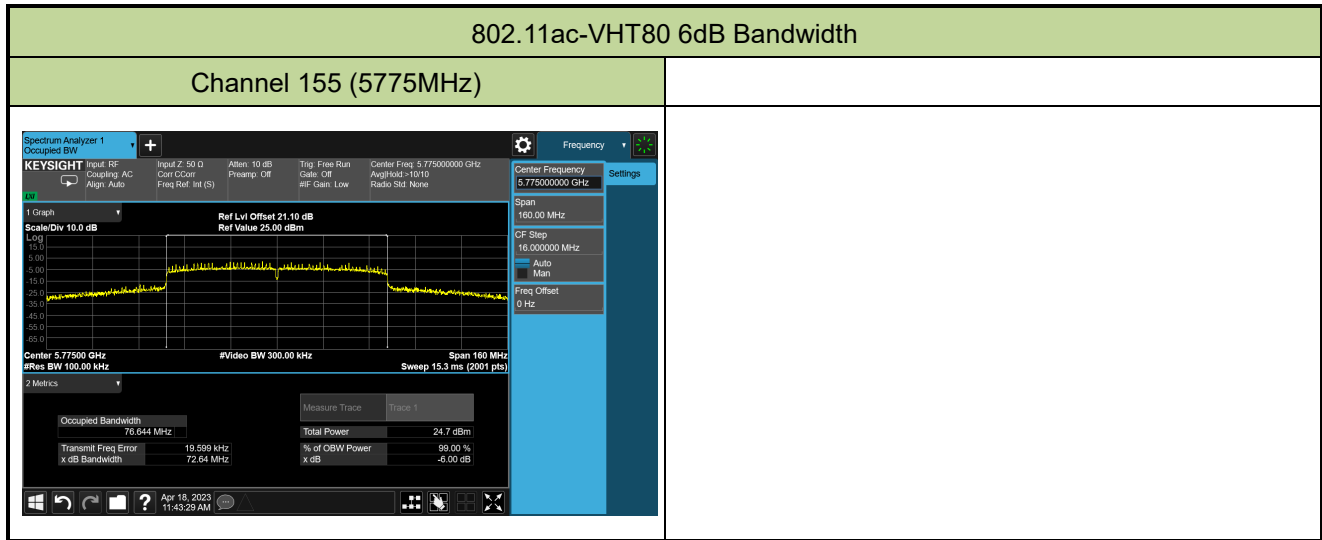
802.11ac-VHT40 6dB Bandwidth

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