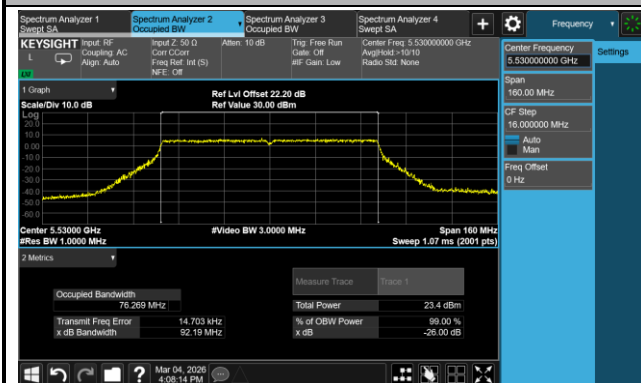
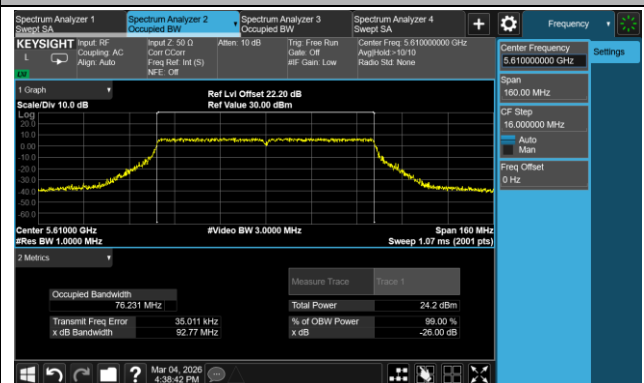


802.11ac-VHT80 26 dB Bandwidth & 99% Bandwidth

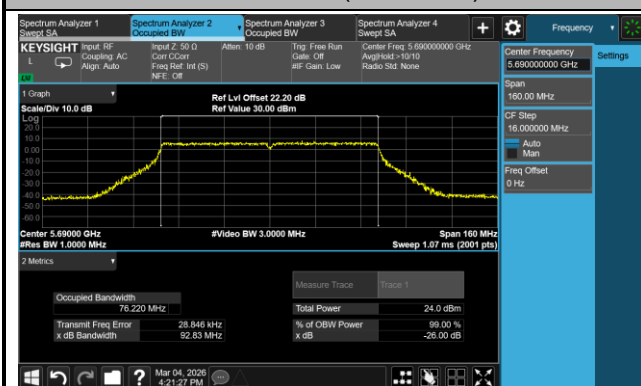
Channel 106 (5530 MHz)



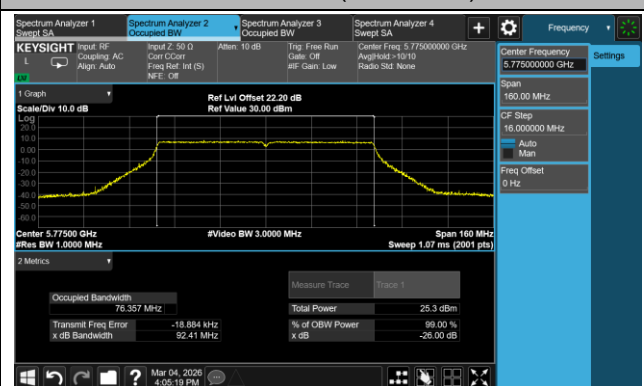
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

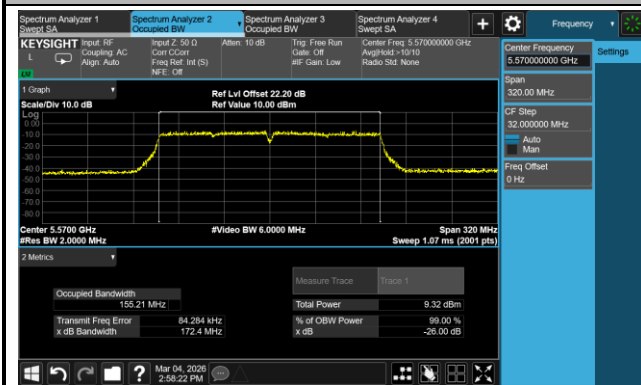


Channel 155 (5775 MHz)



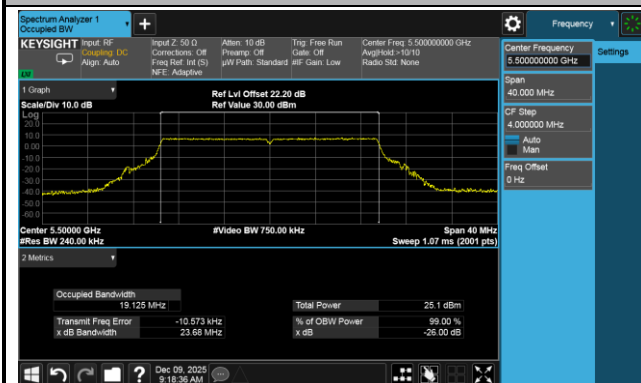
802.11ac-VHT160 26 dB Bandwidth & 99% Bandwidth

Channel 114 (5570 MHz)

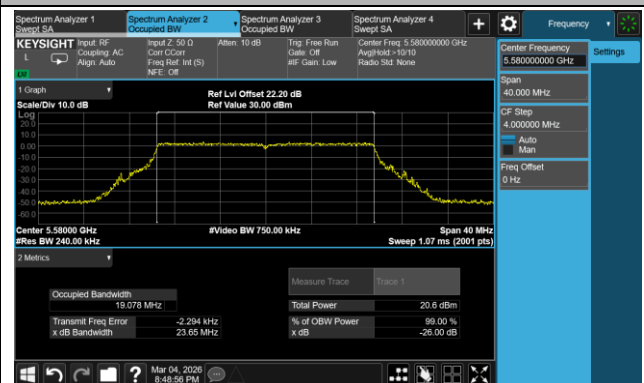


802.11be-EHT20 26 dB Bandwidth & 99% Bandwidth

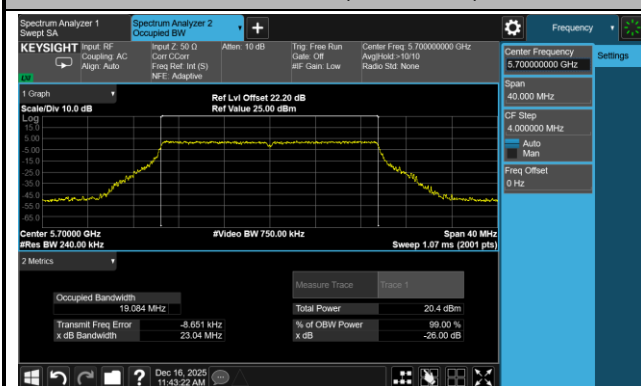
Channel 100 (5500 MHz)



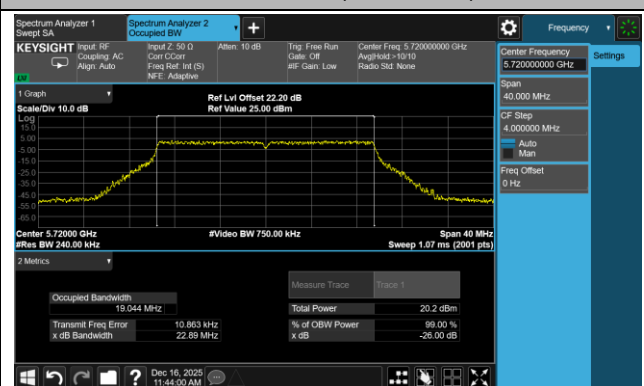
Channel 116 (5580 MHz)



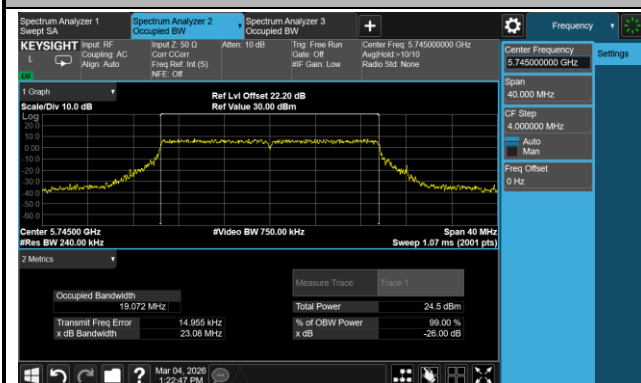
Channel 140 (5700 MHz)



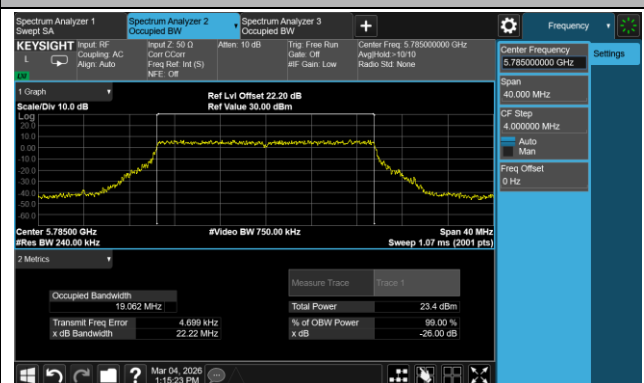
Channel 144 (5720 MHz)



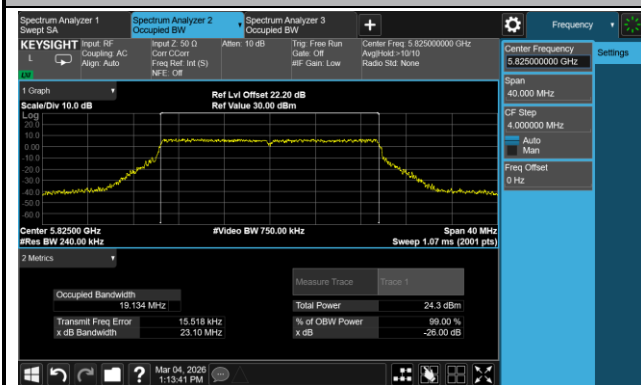
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

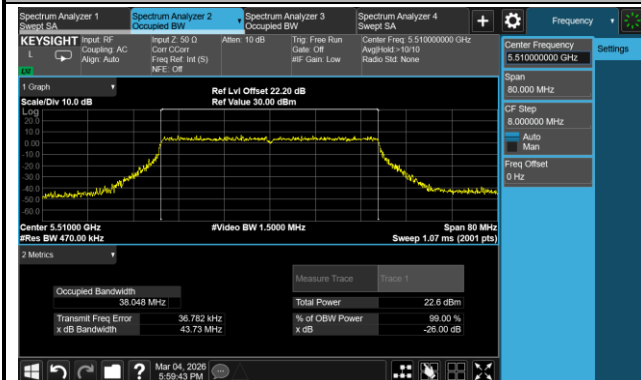


Channel 165 (5825 MHz)

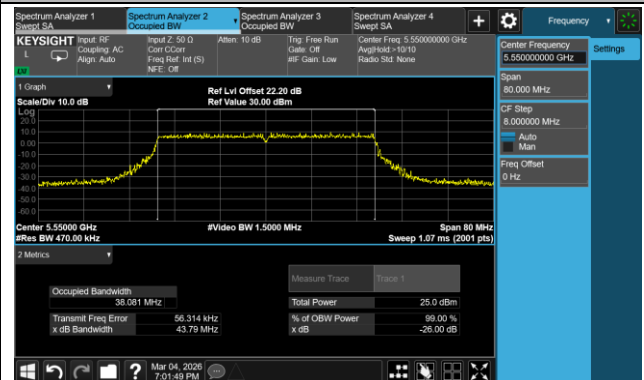


802.11be-EHT40 26 dB Bandwidth & 99% Bandwidth

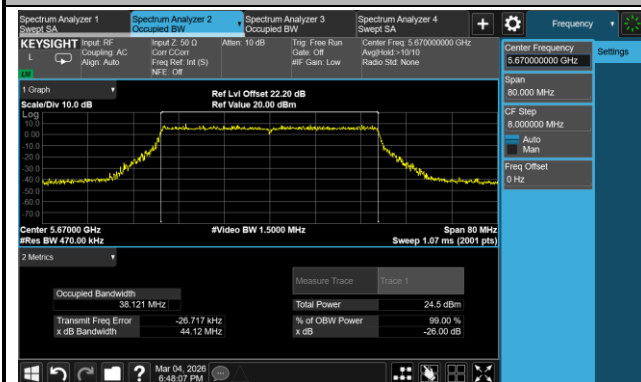
Channel 102 (5510 MHz)



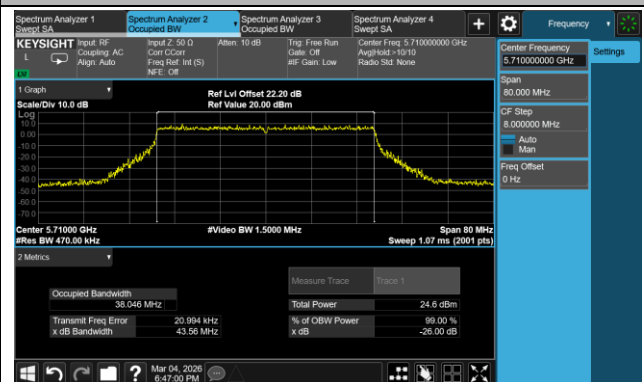
Channel 110 (5550 MHz)



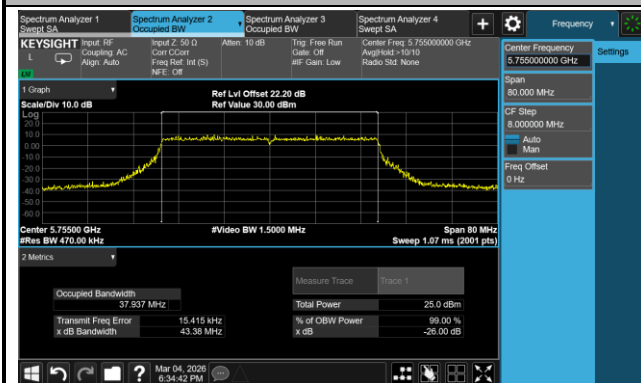
Channel 134 (5670 MHz)



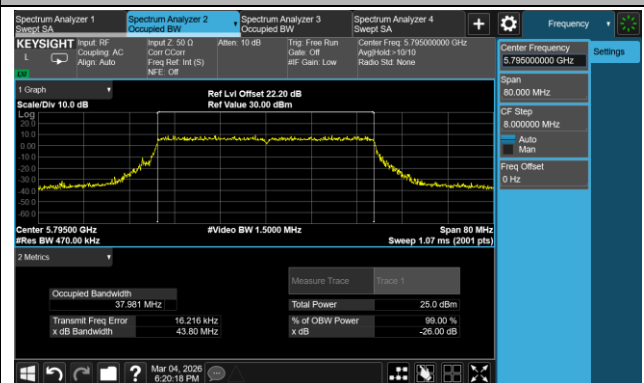
Channel 142 (5710 MHz)



Channel 151 (5755 MHz)

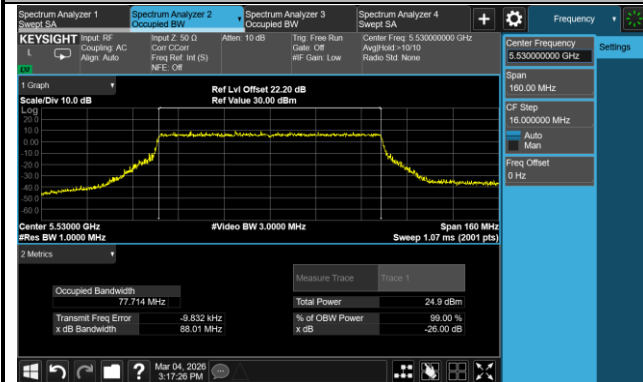


Channel 159 (5795 MHz)

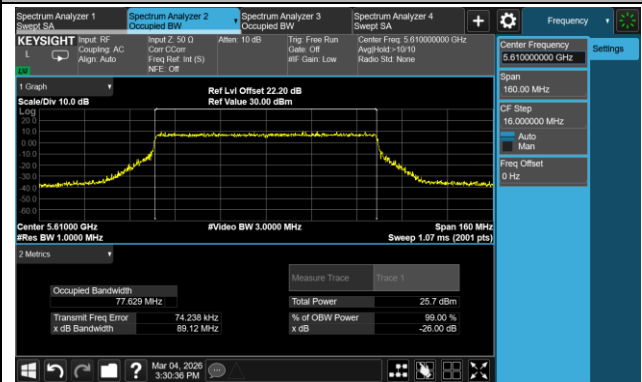


802.11be-EHT80 26 dB Bandwidth & 99% Bandwidth

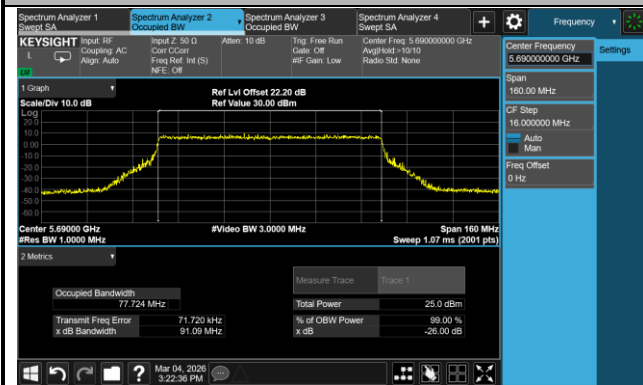
Channel 106 (5530 MHz)



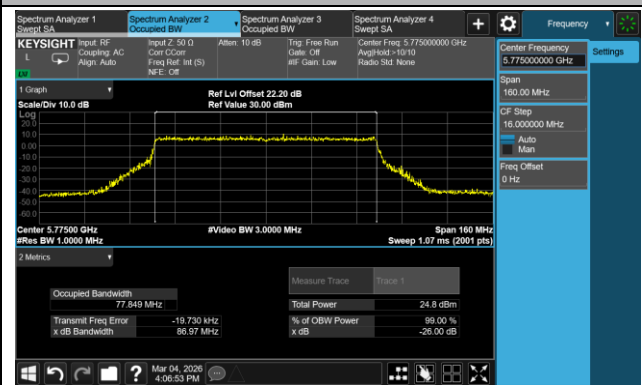
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

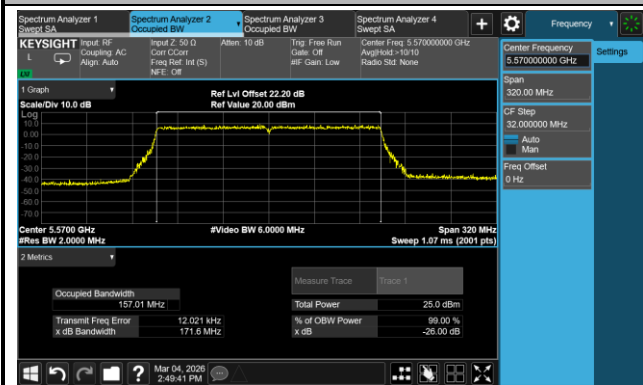


Channel 155 (5775 MHz)



802.11be-EHT160 26 dB Bandwidth & 99% Bandwidth

Channel 114 (5570 MHz)

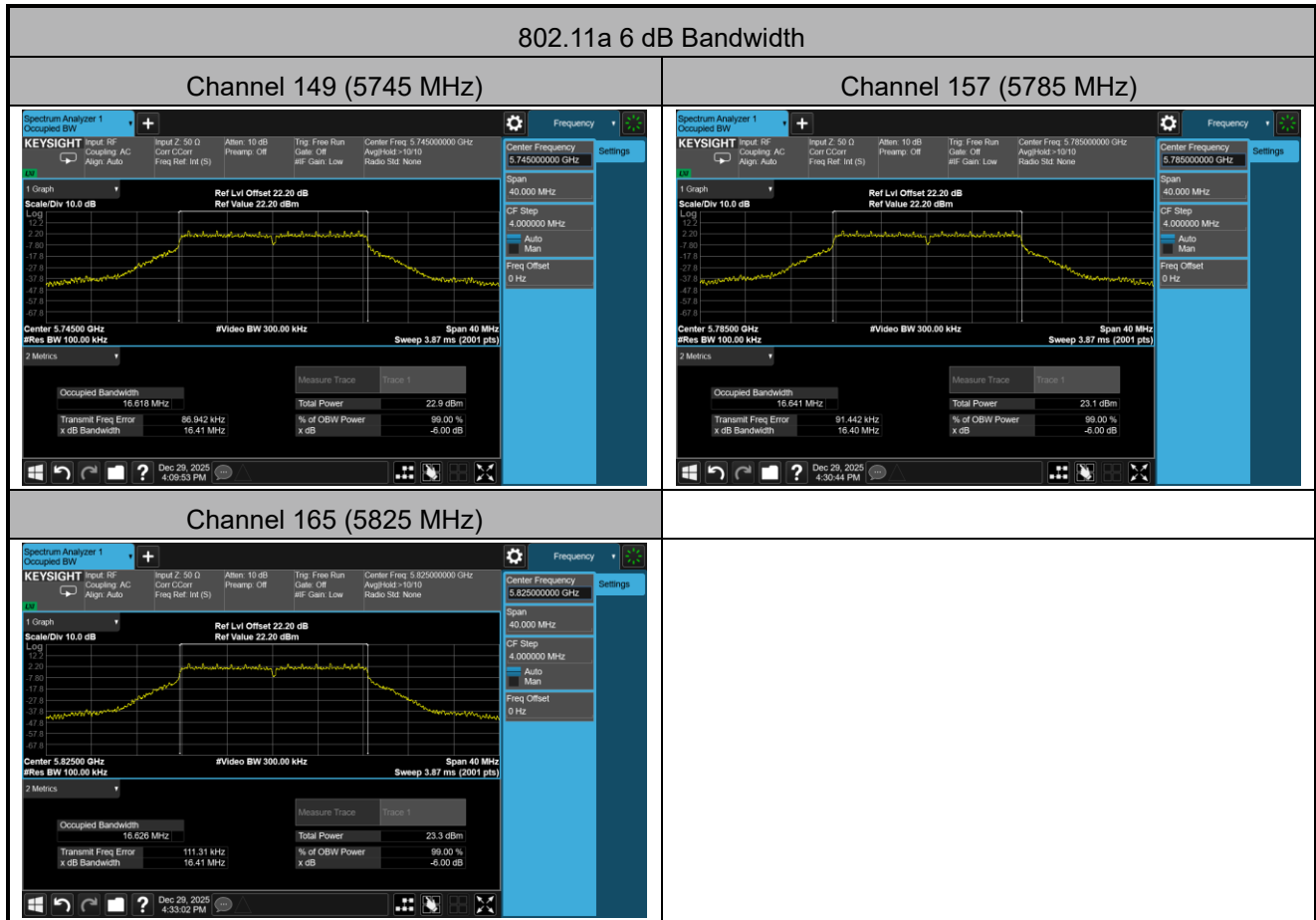


A.3 6 dB Bandwidth Test Result

AP541e - WLAN Config 1

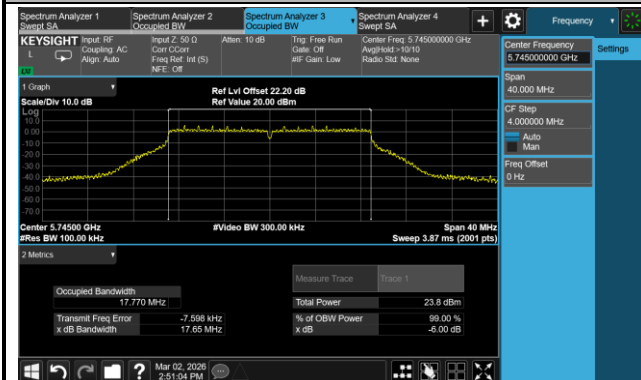
Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-12-29 ~ 2026-03-03		

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
11a	6 Mbps	149	5745	16.41	≥0.5
11a	6 Mbps	157	5785	16.40	≥0.5
11a	6 Mbps	165	5825	16.41	≥0.5
11ac-VHT20	MCS0	149	5745	17.65	≥0.5
11ac-VHT20	MCS0	157	5785	17.63	≥0.5
11ac-VHT20	MCS0	165	5825	17.67	≥0.5
11ac-VHT40	MCS0	151	5755	36.41	≥0.5
11ac-VHT40	MCS0	159	5795	36.37	≥0.5
11ac-VHT80	MCS0	155	5775	76.47	≥0.5
11be-EHT20	MCS0	149	5745	19.09	≥0.5
11be-EHT20	MCS0	157	5785	18.95	≥0.5
11be-EHT20	MCS0	165	5825	18.98	≥0.5
11be-EHT40	MCS0	151	5755	38.21	≥0.5
11be-EHT40	MCS0	159	5795	38.10	≥0.5
11be-EHT80	MCS0	155	5775	78.08	≥0.5

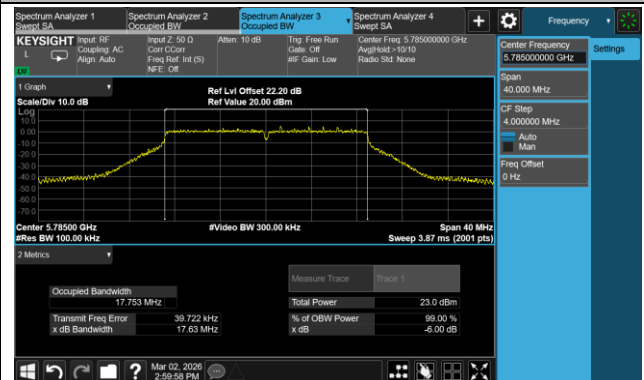


802.11ac-VHT20 6 dB Bandwidth

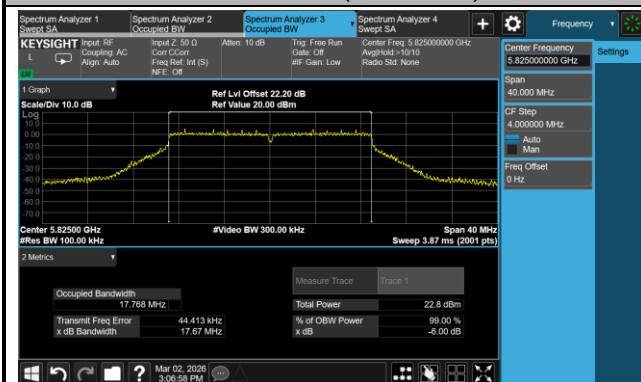
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

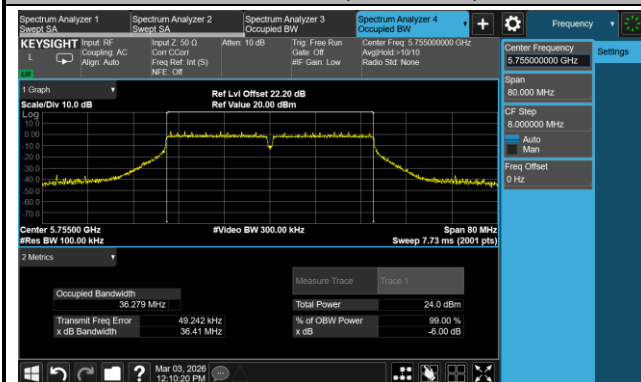


Channel 165 (5825 MHz)

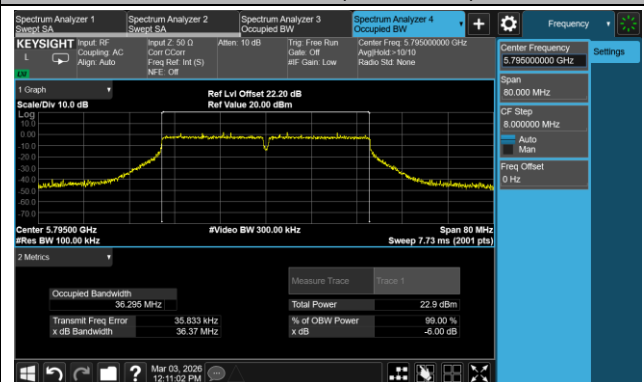


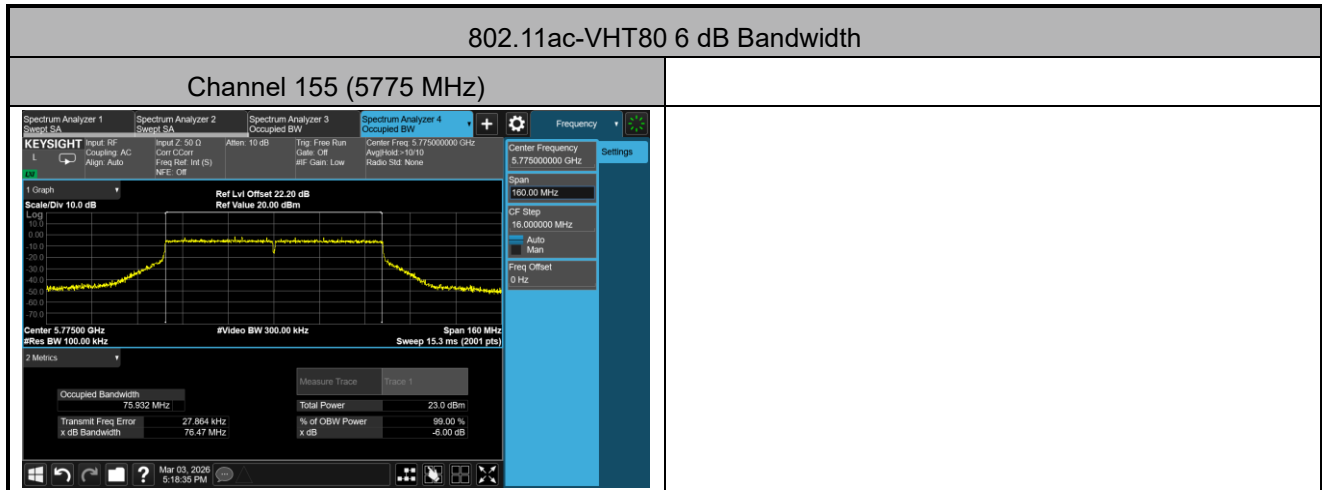
802.11ac-VHT40 6 dB Bandwidth

Channel 151 (5755 MHz)



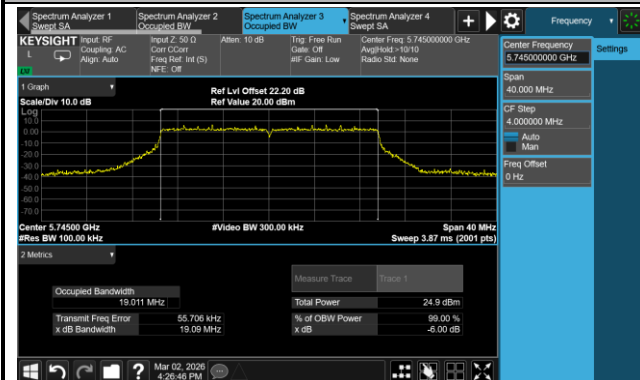
Channel 159 (5795 MHz)



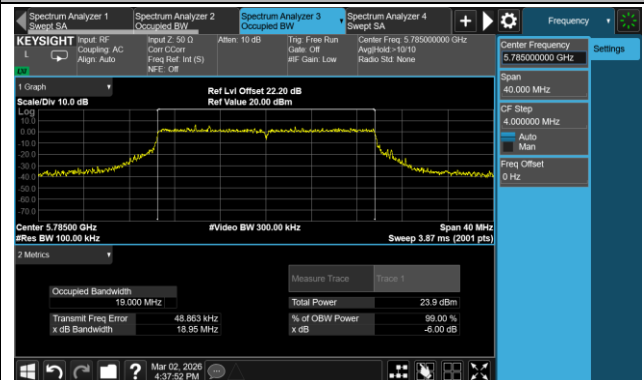


802.11be-EHT20 6 dB Bandwidth

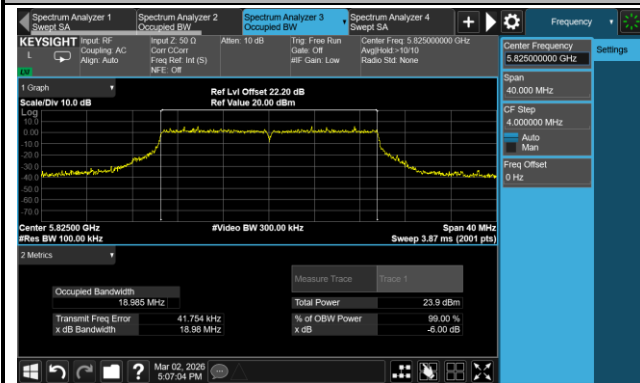
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

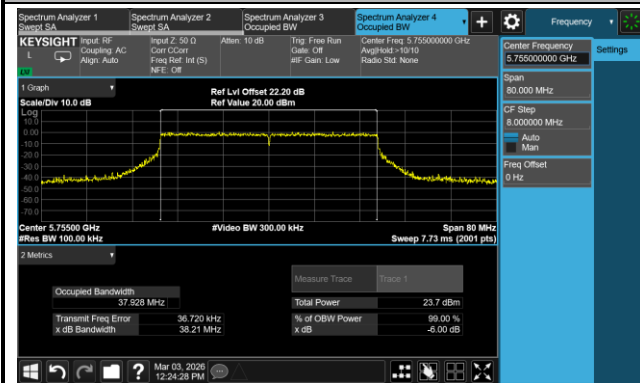


Channel 165 (5825 MHz)

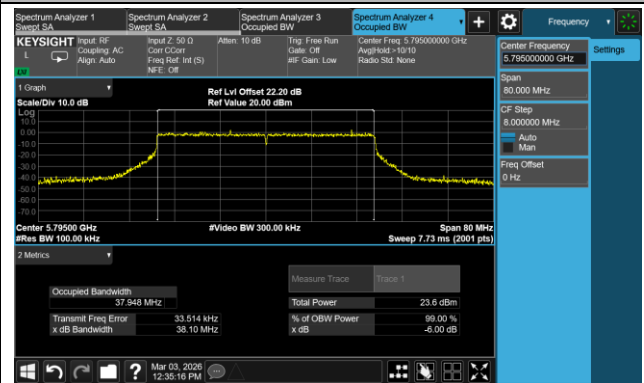


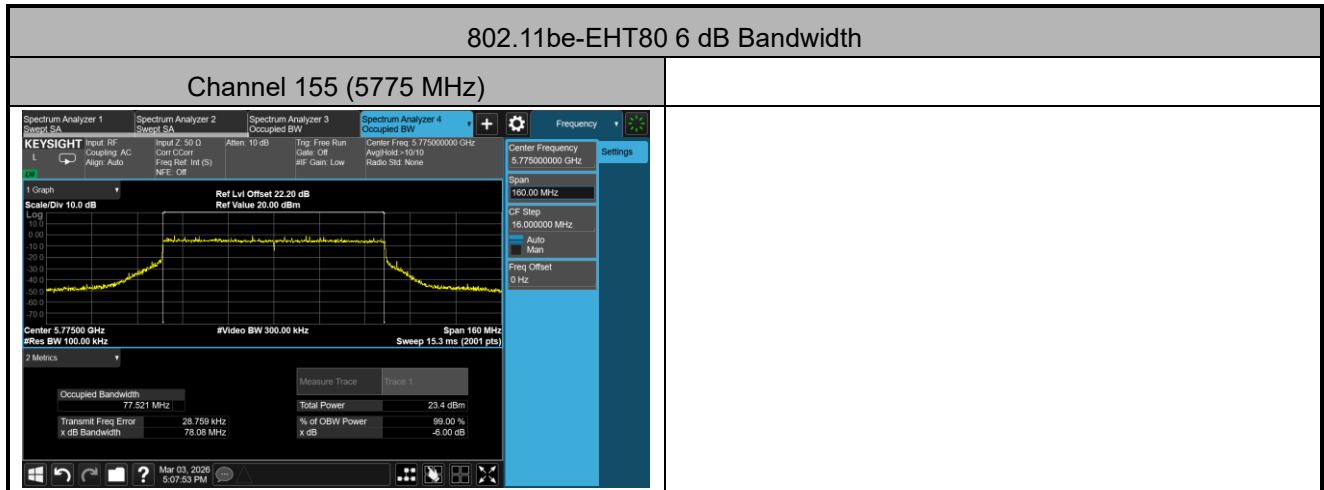
802.11be-EHT40 6 dB Bandwidth

Channel 151 (5755 MHz)



Channel 159 (5795 MHz)

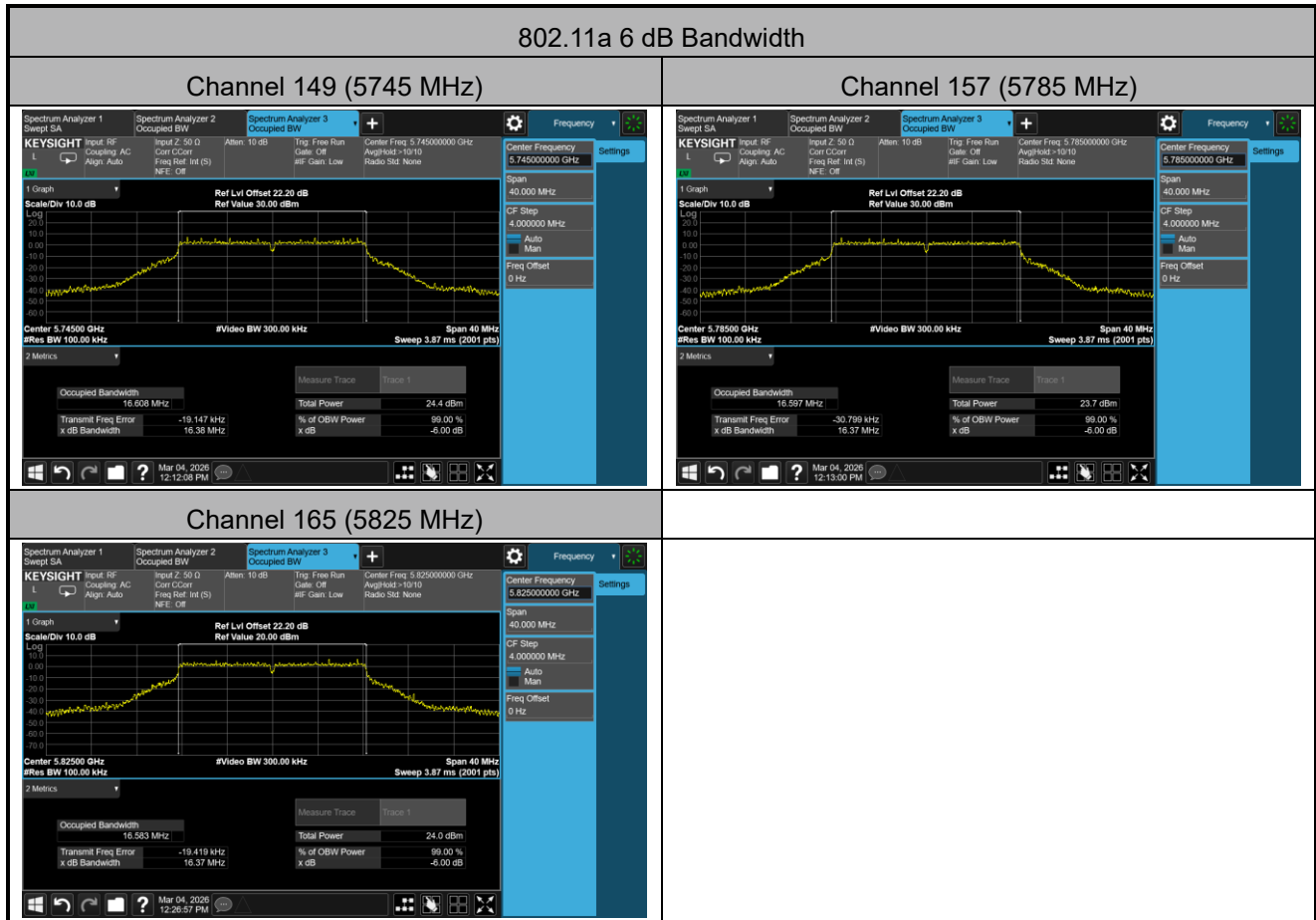




AP541e - WLAN Config 2

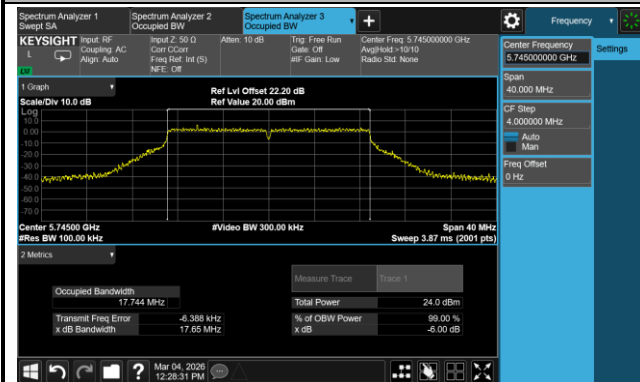
Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2026-03-04		

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
11a	6 Mbps	149	5745	16.38	≥0.5
11a	6 Mbps	157	5785	16.37	≥0.5
11a	6 Mbps	165	5825	16.37	≥0.5
11ac-VHT20	MCS0	149	5745	17.65	≥0.5
11ac-VHT20	MCS0	157	5785	17.64	≥0.5
11ac-VHT20	MCS0	165	5825	17.65	≥0.5
11ac-VHT40	MCS0	151	5755	36.37	≥0.5
11ac-VHT40	MCS0	159	5795	36.38	≥0.5
11ac-VHT80	MCS0	155	5775	76.45	≥0.5
11be-EHT20	MCS0	149	5745	19.10	≥0.5
11be-EHT20	MCS0	157	5785	19.07	≥0.5
11be-EHT20	MCS0	165	5825	19.11	≥0.5
11be-EHT40	MCS0	151	5755	38.15	≥0.5
11be-EHT40	MCS0	159	5795	38.12	≥0.5
11be-EHT80	MCS0	155	5775	78.11	≥0.5

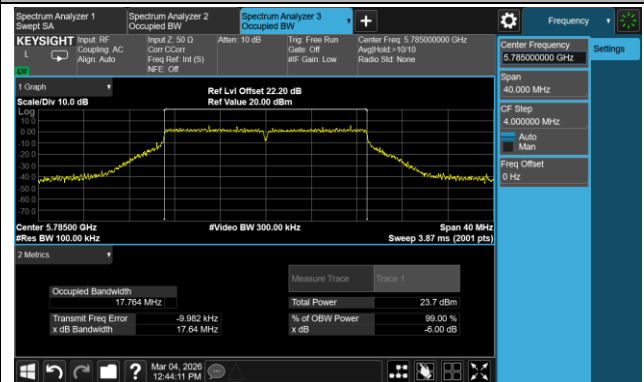


802.11ac-VHT20 6 dB Bandwidth

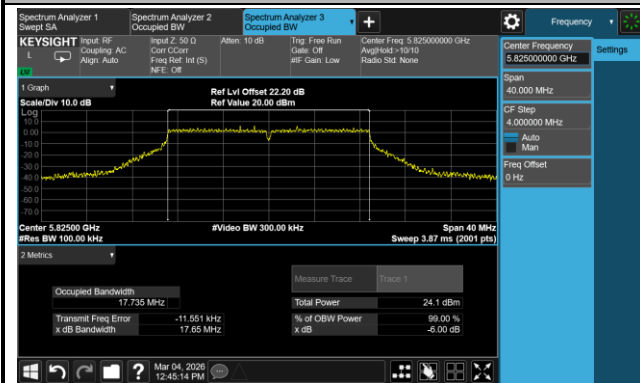
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

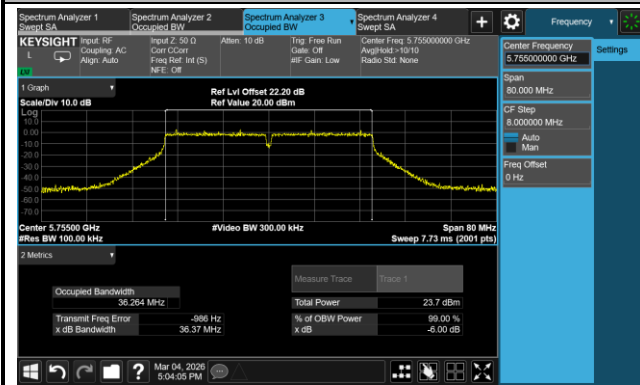


Channel 165 (5825 MHz)

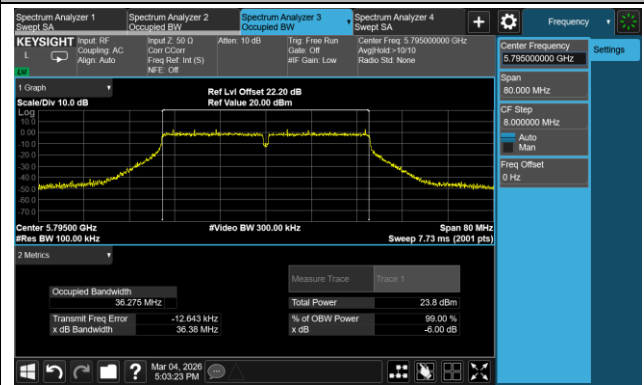


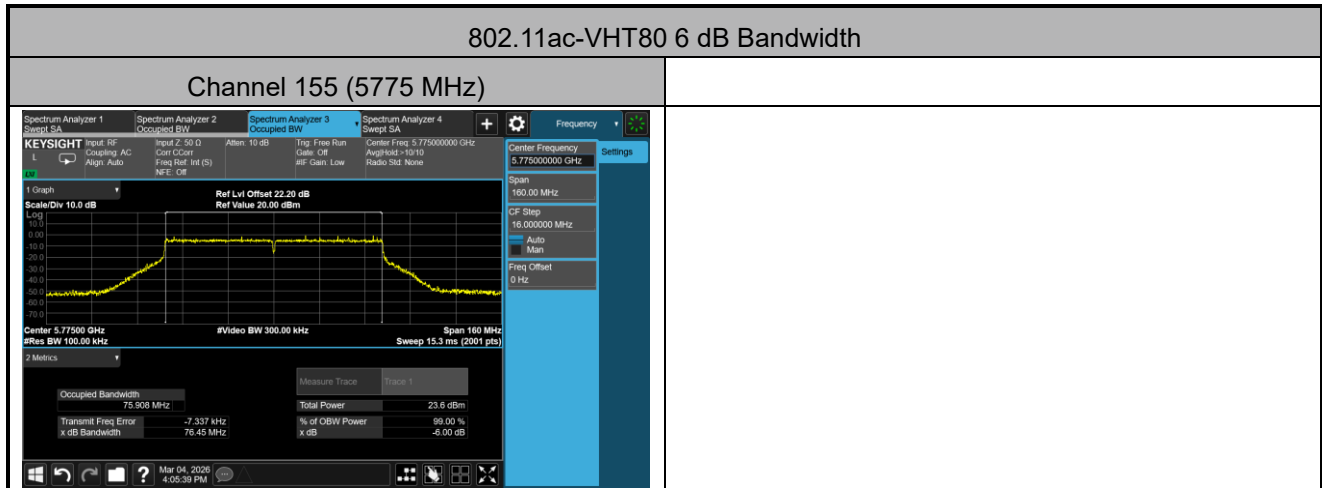
802.11ac-VHT40 6 dB Bandwidth

Channel 151 (5755 MHz)



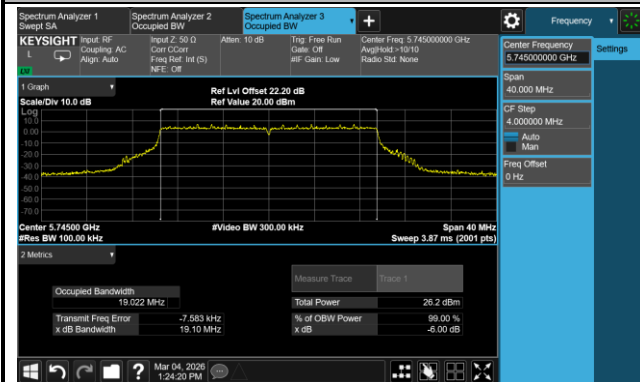
Channel 159 (5795 MHz)



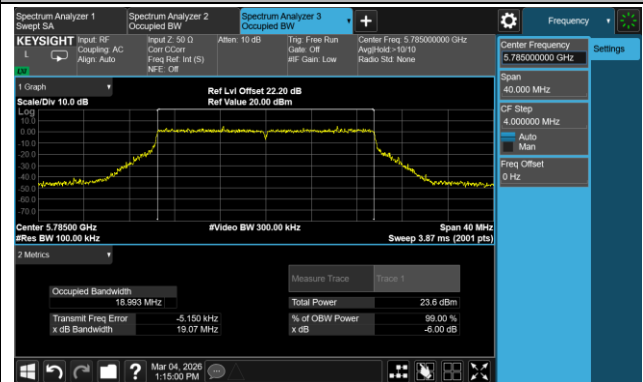


802.11be-EHT20 6 dB Bandwidth

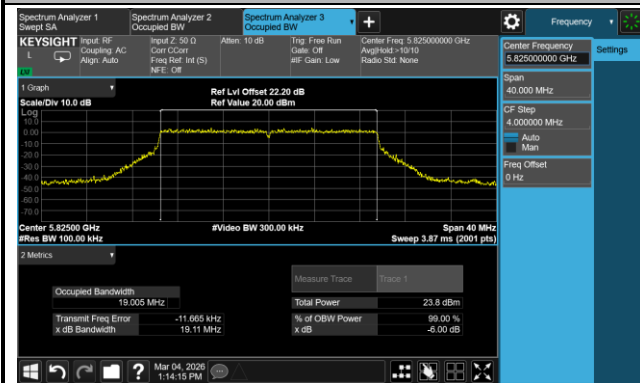
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

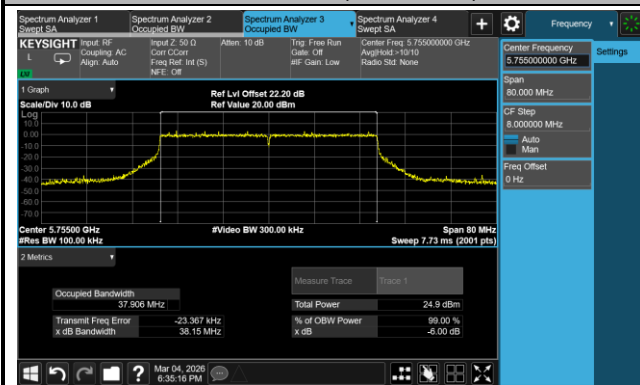


Channel 165 (5825 MHz)

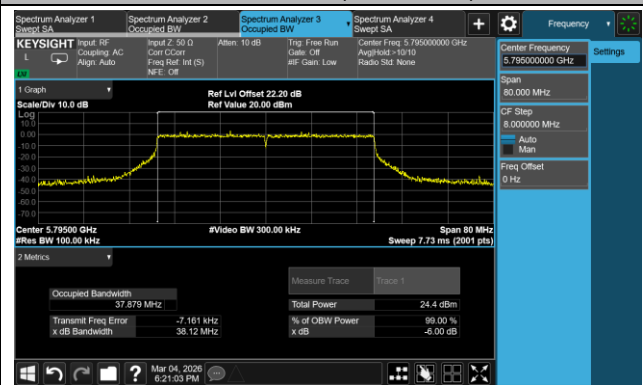


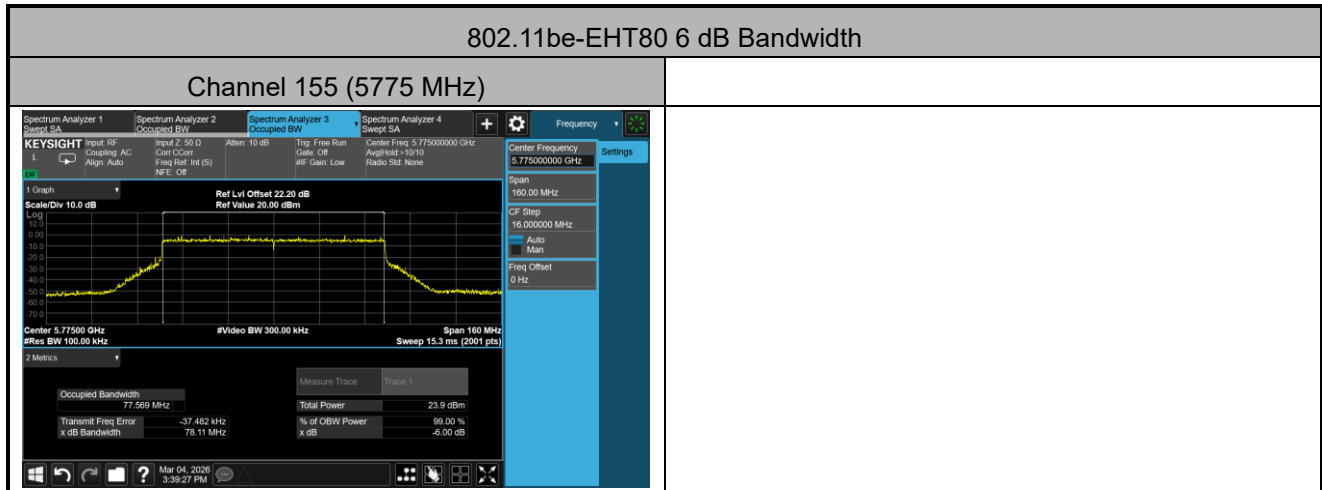
802.11be-EHT40 6 dB Bandwidth

Channel 151 (5755 MHz)



Channel 159 (5795 MHz)





A.4 Output Power Test Result

AP541e - WLAN Config 1

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-12-13 ~ 2026-04-23	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	6 Mbps	36	5180	17.71	17.62	17.58	17.56	23.64	≤ 30.00
11a	6 Mbps	44	5220	17.32	17.36	17.65	17.37	23.45	≤ 30.00
11a	6 Mbps	48	5240	17.21	17.31	17.45	17.56	23.41	≤ 30.00
11a	6 Mbps	52	5260	13.24	13.28	13.51	13.36	19.37	≤ 23.98
11a	6 Mbps	60	5300	13.45	13.02	13.31	13.26	19.28	≤ 23.98
11a	6 Mbps	64	5320	13.28	12.98	13.21	12.97	19.13	≤ 23.98
11a	6 Mbps	100	5500	13.35	12.89	13.26	13.23	19.21	≤ 23.98
11a	6 Mbps	116	5580	13.15	12.90	13.09	12.78	19.00	≤ 23.98
11a	6 Mbps	140	5700	13.29	13.25	13.26	13.31	19.30	≤ 23.98
11a	6 Mbps	144	5720	13.42	13.20	13.51	13.24	19.36	≤ 23.12
11a	6 Mbps	149	5745	17.81	17.67	17.53	17.33	23.61	≤ 30.00
11a	6 Mbps	157	5785	17.54	17.31	17.96	17.63	23.64	≤ 30.00
11a	6 Mbps	165	5825	16.42	16.82	17.72	16.78	22.98	≤ 30.00
11ac-VHT20	MCS0	36	5180	17.11	16.83	17.04	16.79	22.97	≤ 30.00
11ac-VHT20	MCS0	44	5220	17.37	17.36	17.36	17.48	23.41	≤ 30.00
11ac-VHT20	MCS0	48	5240	17.49	17.23	17.41	17.54	23.44	≤ 30.00
11ac-VHT20	MCS0	52	5260	13.46	12.89	13.67	13.32	19.36	≤ 23.98
11ac-VHT20	MCS0	60	5300	13.46	13.22	13.53	13.42	19.43	≤ 23.98
11ac-VHT20	MCS0	64	5320	13.45	13.14	13.38	13.10	19.29	≤ 23.98
11ac-VHT20	MCS0	100	5500	13.34	13.27	13.59	13.52	19.45	≤ 23.98
11ac-VHT20	MCS0	116	5580	14.05	13.65	13.57	13.74	19.78	≤ 23.98
11ac-VHT20	MCS0	140	5700	13.66	13.39	13.62	13.66	19.60	≤ 23.98
11ac-VHT20	MCS0	144	5720	13.74	13.46	13.72	13.57	19.64	≤ 23.16
11ac-VHT20	MCS0	149	5745	16.71	16.58	17.23	17.21	22.96	≤ 30.00
11ac-VHT20	MCS0	157	5785	16.64	16.42	17.03	16.77	22.74	≤ 30.00
11ac-VHT20	MCS0	165	5825	16.92	16.62	17.51	17.13	23.08	≤ 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	17.23	16.94	17.16	16.67	23.03	≤ 30.00
11ac-VHT40	MCS0	46	5230	17.41	17.27	17.42	17.21	23.35	≤ 30.00
11ac-VHT40	MCS0	54	5270	16.21	16.52	16.66	16.81	22.58	≤ 23.98
11ac-VHT40	MCS0	62	5310	16.43	16.55	16.42	16.32	22.45	≤ 23.98
11ac-VHT40	MCS0	102	5510	16.15	16.02	16.14	16.19	22.15	≤ 23.98
11ac-VHT40	MCS0	110	5550	16.61	16.75	16.96	16.89	22.83	≤ 23.98
11ac-VHT40	MCS0	134	5670	16.74	16.72	16.78	16.81	22.78	≤ 23.98
11ac-VHT40	MCS0	142	5710	16.32	16.41	16.15	16.26	22.31	≤ 23.98
11ac-VHT40	MCS0	151	5755	17.16	17.12	17.06	17.53	23.24	≤ 30.00
11ac-VHT40	MCS0	159	5795	17.40	17.56	17.67	17.51	23.56	≤ 30.00
11ac-VHT80	MCS0	42	5210	16.41	17.02	17.21	17.23	23.00	≤ 30.00
11ac-VHT80	MCS0	58	5290	17.01	16.89	16.74	17.12	22.96	≤ 23.98
11ac-VHT80	MCS0	106	5530	15.62	15.58	15.47	15.78	21.63	≤ 23.98
11ac-VHT80	MCS0	122	5610	17.26	17.30	17.33	17.21	23.30	≤ 23.98
11ac-VHT80	MCS0	138	5690	17.12	17.24	17.28	17.08	23.20	≤ 23.98
11ac-VHT80	MCS0	155	5775	16.84	16.98	17.06	17.12	23.02	≤ 30.00
11ac-VHT160	MCS0	50	5250	14.14	13.61	14.05	13.82	19.93	≤ 23.98
11ac-VHT160	MCS0	114	5570	12.89	12.25	12.76	12.73	18.68	≤ 23.98
11ax-HE20	MCS0	36	5180	16.98	16.62	16.82	16.76	22.82	≤ 30.00
11ax-HE20	MCS0	44	5220	17.24	17.19	17.44	17.41	23.34	≤ 30.00
11ax-HE20	MCS0	48	5240	17.27	17.15	17.21	17.38	23.27	≤ 30.00
11ax-HE20	MCS0	52	5260	13.59	13.32	13.51	13.32	19.46	≤ 23.98
11ax-HE20	MCS0	60	5300	13.52	13.21	13.34	13.29	19.36	≤ 23.98
11ax-HE20	MCS0	64	5320	13.87	13.54	13.83	13.52	19.71	≤ 23.98
11ax-HE20	MCS0	100	5500	13.94	13.72	13.77	13.71	19.81	≤ 23.98
11ax-HE20	MCS0	116	5580	13.92	13.64	13.71	13.48	19.71	≤ 23.98
11ax-HE20	MCS0	140	5700	13.90	13.82	14.08	13.83	19.93	≤ 23.98
11ax-HE20	MCS0	144	5720	13.88	13.87	14.25	14.12	20.05	≤ 23.16
11ax-HE20	MCS0	149	5745	16.83	16.72	17.21	17.28	23.04	≤ 30.00
11ax-HE20	MCS0	157	5785	16.77	16.42	17.14	16.65	22.77	≤ 30.00
11ax-HE20	MCS0	165	5825	16.93	16.54	17.59	16.82	23.01	≤ 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	15.07	14.94	15.27	14.95	21.08	≤ 30.00
11ax-HE40	MCS0	46	5230	17.53	17.32	17.44	17.38	23.44	≤ 30.00
11ax-HE40	MCS0	54	5270	16.15	16.28	16.41	16.52	22.36	≤ 23.98
11ax-HE40	MCS0	62	5310	16.19	16.01	15.65	16.24	22.05	≤ 23.98
11ax-HE40	MCS0	102	5510	15.08	15.22	15.76	15.34	21.38	≤ 23.98
11ax-HE40	MCS0	110	5550	16.66	16.89	16.81	16.74	22.80	≤ 23.98
11ax-HE40	MCS0	134	5670	16.11	16.62	16.35	16.68	22.47	≤ 23.98
11ax-HE40	MCS0	142	5710	16.34	16.44	16.11	16.42	22.35	≤ 23.98
11ax-HE40	MCS0	151	5755	17.22	17.07	17.54	17.45	23.34	≤ 30.00
11ax-HE40	MCS0	159	5795	17.21	16.82	17.61	17.06	23.21	≤ 30.00
11ax-HE80	MCS0	42	5210	17.24	17.17	17.43	17.36	23.32	≤ 30.00
11ax-HE80	MCS0	58	5290	16.21	16.12	16.38	16.41	22.30	≤ 23.98
11ax-HE80	MCS0	106	5530	15.87	15.71	15.78	16.07	21.88	≤ 23.98
11ax-HE80	MCS0	122	5610	17.41	17.29	17.16	17.33	23.32	≤ 23.98
11ax-HE80	MCS0	138	5690	17.21	17.28	17.24	17.14	23.24	≤ 23.98
11ax-HE80	MCS0	155	5775	16.98	17.14	17.02	17.30	23.13	≤ 30.00
11ax-HE160	MCS0	50	5250	14.45	14.79	14.72	14.75	20.70	≤ 23.98
11ax-HE160	MCS0	114	5570	15.22	15.11	15.66	15.64	21.44	≤ 23.98
11be-EHT20	MCS0	36	5180	17.02	16.84	17.12	16.79	22.97	≤ 30.00
11be-EHT20	MCS0	44	5220	17.31	17.62	17.73	17.81	23.64	≤ 30.00
11be-EHT20	MCS0	48	5240	17.44	17.42	17.51	17.68	23.53	≤ 30.00
11be-EHT20	MCS0	52	5260	13.66	13.36	13.57	13.37	19.51	≤ 23.98
11be-EHT20	MCS0	60	5300	13.58	13.27	13.40	13.35	19.42	≤ 23.98
11be-EHT20	MCS0	64	5320	13.93	13.60	13.89	13.57	19.77	≤ 23.98
11be-EHT20	MCS0	100	5500	14.04	13.76	13.84	13.74	19.87	≤ 23.98
11be-EHT20	MCS0	116	5580	14.03	13.70	13.78	13.54	19.79	≤ 23.98
11be-EHT20	MCS0	140	5700	13.98	13.86	14.12	13.88	19.98	≤ 23.98
11be-EHT20	MCS0	144	5720	13.95	13.92	14.32	14.18	20.12	≤ 23.16
11be-EHT20	MCS0	149	5745	17.35	17.54	17.82	17.98	23.70	≤ 30.00
11be-EHT20	MCS0	157	5785	17.33	17.21	17.92	17.67	23.56	≤ 30.00
11be-EHT20	MCS0	165	5825	17.15	16.78	17.71	17.51	23.32	≤ 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	15.14	14.99	15.51	15.07	21.20	≤ 30.00
11be-EHT40	MCS0	46	5230	17.71	17.23	17.85	17.64	23.63	≤ 30.00
11be-EHT40	MCS0	54	5270	16.34	16.48	16.52	16.71	22.54	≤ 23.98
11be-EHT40	MCS0	62	5310	16.49	16.04	15.78	16.31	22.18	≤ 23.98
11be-EHT40	MCS0	102	5510	16.25	16.21	16.07	16.37	22.25	≤ 23.98
11be-EHT40	MCS0	110	5550	16.78	16.82	17.02	16.94	22.91	≤ 23.98
11be-EHT40	MCS0	134	5670	16.23	16.71	16.33	16.74	22.53	≤ 23.98
11be-EHT40	MCS0	142	5710	16.45	16.45	16.31	16.50	22.45	≤ 23.98
11be-EHT40	MCS0	151	5755	17.23	17.12	17.62	17.49	23.39	≤ 30.00
11be-EHT40	MCS0	159	5795	17.25	17.03	17.69	17.25	23.33	≤ 30.00
11be-EHT80	MCS0	42	5210	17.31	17.32	17.52	17.49	23.43	≤ 30.00
11be-EHT80	MCS0	58	5290	16.42	16.23	16.51	16.66	22.48	≤ 23.98
11be-EHT80	MCS0	106	5530	16.02	15.71	15.98	16.15	21.99	≤ 23.98
11be-EHT80	MCS0	122	5610	17.52	17.41	17.37	17.41	23.45	≤ 23.98
11be-EHT80	MCS0	138	5690	17.26	17.31	17.35	17.38	23.35	≤ 23.98
11be-EHT80	MCS0	155	5775	17.03	17.21	17.16	17.25	23.18	≤ 30.00
11be-EHT160	MCS0	50	5250	14.67	14.89	14.76	14.86	20.82	≤ 23.98
11be-EHT160	MCS0	114	5570	15.43	15.23	15.66	15.92	21.59	≤ 23.98

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

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

AP541e - WLAN Config 2

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-12-15 ~ 2026-04-23	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	6 Mbps	100	5500	13.45	13.33	13.18	13.31	19.34	≤ 23.98
11a	6 Mbps	116	5580	13.56	13.16	13.19	13.39	19.35	≤ 23.98
11a	6 Mbps	140	5700	12.79	12.70	14.37	12.72	19.23	≤ 23.98
11a	6 Mbps	144	5720	13.45	13.37	13.23	13.26	19.35	≤ 23.12
11a	6 Mbps	149	5745	17.51	17.71	17.54	17.82	23.67	≤ 30.00
11a	6 Mbps	157	5785	17.41	17.33	17.17	17.63	23.41	≤ 30.00
11a	6 Mbps	165	5825	16.98	17.56	17.61	17.84	23.53	≤ 30.00
11ac-VHT20	MCS0	100	5500	13.02	12.96	13.39	13.28	19.19	≤ 23.98
11ac-VHT20	MCS0	116	5580	13.29	13.10	13.02	13.30	19.20	≤ 23.98
11ac-VHT20	MCS0	140	5700	13.21	13.06	14.92	13.19	19.69	≤ 23.98
11ac-VHT20	MCS0	144	5720	13.35	13.39	12.98	13.31	19.28	≤ 23.16
11ac-VHT20	MCS0	149	5745	17.37	17.73	17.41	17.85	23.62	≤ 30.00
11ac-VHT20	MCS0	157	5785	17.44	17.41	17.38	17.72	23.51	≤ 30.00
11ac-VHT20	MCS0	165	5825	17.41	17.69	17.54	17.72	23.61	≤ 30.00
11ac-VHT40	MCS0	102	5510	15.89	16.65	16.35	16.67	22.42	≤ 23.98
11ac-VHT40	MCS0	110	5550	15.98	16.53	16.17	16.41	22.30	≤ 23.98
11ac-VHT40	MCS0	134	5670	16.62	16.71	16.41	16.62	22.61	≤ 23.98
11ac-VHT40	MCS0	142	5710	16.35	16.33	16.19	16.06	22.25	≤ 23.98
11ac-VHT40	MCS0	151	5755	17.04	17.24	17.13	17.62	23.28	≤ 30.00
11ac-VHT40	MCS0	159	5795	17.21	17.04	17.04	17.23	23.15	≤ 30.00
11ac-VHT80	MCS0	106	5530	16.67	17.32	16.89	17.28	23.07	≤ 23.98
11ac-VHT80	MCS0	122	5610	17.67	17.83	17.15	17.68	23.61	≤ 23.98
11ac-VHT80	MCS0	138	5690	17.33	17.75	17.42	17.81	23.60	≤ 23.98
11ac-VHT80	MCS0	155	5775	16.88	17.21	16.96	17.34	23.12	≤ 30.00
11ac-VHT160	MCS0	114	5570	15.12	15.43	15.54	15.89	21.52	≤ 23.98

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-HE20	MCS0	100	5500	13.01	13.51	13.72	13.58	19.48	≤ 23.98
11ax-HE20	MCS0	116	5580	13.69	14.05	13.83	13.92	19.90	≤ 23.98
11ax-HE20	MCS0	140	5700	13.24	13.51	15.04	13.27	19.85	≤ 23.98
11ax-HE20	MCS0	144	5720	13.84	14.21	13.90	13.82	19.97	≤ 23.16
11ax-HE20	MCS0	149	5745	17.63	17.16	17.28	17.42	23.40	≤ 30.00
11ax-HE20	MCS0	157	5785	17.29	17.58	17.35	17.81	23.53	≤ 30.00
11ax-HE20	MCS0	165	5825	17.25	17.62	17.31	17.74	23.51	≤ 30.00
11ax-HE40	MCS0	102	5510	16.78	16.91	16.65	17.03	22.87	≤ 23.98
11ax-HE40	MCS0	110	5550	17.29	17.45	17.08	17.61	23.38	≤ 23.98
11ax-HE40	MCS0	134	5670	17.55	17.54	17.30	17.72	23.55	≤ 23.98
11ax-HE40	MCS0	142	5710	17.41	17.78	17.32	17.87	23.62	≤ 23.98
11ax-HE40	MCS0	151	5755	16.95	17.42	17.51	17.66	23.41	≤ 30.00
11ax-HE40	MCS0	159	5795	16.91	17.15	16.89	17.31	23.09	≤ 30.00
11ax-HE80	MCS0	106	5530	16.71	17.25	16.54	17.32	22.99	≤ 23.98
11ax-HE80	MCS0	122	5610	17.41	17.41	16.95	17.71	23.40	≤ 23.98
11ax-HE80	MCS0	138	5690	17.52	17.72	17.31	17.97	23.66	≤ 23.98
11ax-HE80	MCS0	155	5775	17.08	17.33	17.21	17.52	23.31	≤ 30.00
11ax-HE160	MCS0	114	5570	16.02	16.06	15.61	16.24	22.01	≤ 23.98
11be-EHT20	MCS0	100	5500	13.06	13.55	13.81	13.61	19.54	≤ 23.98
11be-EHT20	MCS0	116	5580	13.74	14.08	13.85	13.97	19.93	≤ 23.98
11be-EHT20	MCS0	140	5700	13.26	13.60	15.06	13.31	19.89	≤ 23.98
11be-EHT20	MCS0	144	5720	13.89	14.23	13.95	13.87	20.01	≤ 23.16
11be-EHT20	MCS0	149	5745	17.82	17.21	17.21	17.53	23.47	≤ 30.00
11be-EHT20	MCS0	157	5785	17.45	17.61	17.42	17.89	23.62	≤ 30.00
11be-EHT20	MCS0	165	5825	17.41	17.78	17.37	17.95	23.66	≤ 30.00
11be-EHT40	MCS0	102	5510	16.89	16.97	16.72	17.12	22.95	≤ 23.98
11be-EHT40	MCS0	110	5550	16.21	16.42	16.18	16.28	22.29	≤ 23.98
11be-EHT40	MCS0	134	5670	16.79	16.62	16.78	16.34	22.66	≤ 23.98
11be-EHT40	MCS0	142	5710	16.65	16.89	16.91	16.73	22.82	≤ 23.98
11be-EHT40	MCS0	151	5755	17.08	17.56	17.54	17.78	23.52	≤ 30.00
11be-EHT40	MCS0	159	5795	17.05	17.26	17.07	17.34	23.20	≤ 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-EHT80	MCS0	106	5530	16.82	17.33	16.63	17.32	23.06	≤ 23.98
11be-EHT80	MCS0	122	5610	17.52	17.47	17.09	17.71	23.47	≤ 23.98
11be-EHT80	MCS0	138	5690	17.55	17.64	17.42	17.83	23.63	≤ 23.98
11be-EHT80	MCS0	155	5775	17.25	17.44	17.28	17.52	23.39	≤ 30.00
11be-EHT160	MCS0	114	5570	15.83	16.13	15.78	16.32	22.04	≤ 23.98

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

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

A.5 Power Spectral Density Test Result

AP541e - WLAN Config 1

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-12-13 ~ 2026-04-24		
Test Item	Power Spectral Density (UNII-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	6 Mbps	36	5180	5.626	5.156	5.486	5.237	98.95	11.401	≤ 13.68
11a	6 Mbps	44	5220	5.495	5.258	5.142	5.355	98.95	11.335	≤ 13.68
11a	6 Mbps	48	5240	5.974	5.835	5.838	5.938	98.95	11.917	≤ 13.68
11a	6 Mbps	52	5260	1.233	1.464	1.777	1.549	98.95	7.531	≤ 7.68
11a	6 Mbps	60	5300	1.521	1.229	1.634	1.497	98.95	7.493	≤ 7.68
11a	6 Mbps	64	5320	1.329	1.740	1.651	1.212	98.95	7.509	≤ 7.68
11a	6 Mbps	100	5500	1.339	1.213	1.363	1.484	98.95	7.371	≤ 7.68
11a	6 Mbps	116	5580	1.352	0.912	1.259	1.092	98.95	7.178	≤ 7.68
11a	6 Mbps	140	5700	1.489	1.342	1.544	1.421	98.95	7.470	≤ 7.68
11a	6 Mbps	144	5720	1.453	1.345	1.395	1.406	98.95	7.421	≤ 7.68
11ac-VHT20	MCS0	36	5180	4.385	4.017	4.185	3.896	97.13	10.272	≤ 13.68
11ac-VHT20	MCS0	44	5220	4.464	4.615	4.533	4.610	97.13	10.703	≤ 13.68
11ac-VHT20	MCS0	48	5240	4.838	4.823	4.711	4.904	97.13	10.967	≤ 13.68
11ac-VHT20	MCS0	52	5260	1.222	1.131	1.391	1.190	97.13	7.382	≤ 7.68
11ac-VHT20	MCS0	60	5300	1.484	1.093	1.465	1.315	97.13	7.489	≤ 7.68
11ac-VHT20	MCS0	64	5320	1.267	0.911	1.100	0.966	97.13	7.210	≤ 7.68
11ac-VHT20	MCS0	100	5500	1.159	0.907	1.167	1.133	97.13	7.240	≤ 7.68
11ac-VHT20	MCS0	116	5580	1.612	1.172	1.254	1.190	97.13	7.458	≤ 7.68
11ac-VHT20	MCS0	140	5700	1.115	0.937	1.209	1.181	97.13	7.259	≤ 7.68
11ac-VHT20	MCS0	144	5720	1.299	1.107	1.135	1.064	97.13	7.299	≤ 7.68

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-VHT40	MCS0	38	5190	1.570	1.415	1.599	1.125	98.35	7.452	≤ 13.68
11ac-VHT40	MCS0	46	5230	2.139	1.744	2.210	1.909	98.35	8.025	≤ 13.68
11ac-VHT40	MCS0	54	5270	1.601	1.383	1.544	1.754	98.35	7.593	≤ 7.68
11ac-VHT40	MCS0	62	5310	1.558	1.555	1.528	1.366	98.35	7.523	≤ 7.68
11ac-VHT40	MCS0	102	5510	1.199	0.879	0.946	1.091	98.35	7.051	≤ 7.68
11ac-VHT40	MCS0	110	5550	1.728	1.386	1.570	1.580	98.35	7.588	≤ 7.68
11ac-VHT40	MCS0	134	5670	1.588	1.369	1.461	1.358	98.35	7.466	≤ 7.68
11ac-VHT40	MCS0	142	5710	1.260	1.291	1.155	1.178	98.35	7.242	≤ 7.68
11ac-VHT80	MCS0	42	5210	-1.305	-1.155	-1.101	-1.283	96.95	4.945	≤ 13.68
11ac-VHT80	MCS0	58	5290	-4.179	-5.206	-4.584	-4.652	96.95	1.515	≤ 7.68
11ac-VHT80	MCS0	106	5530	-6.103	-6.485	-5.850	-6.128	96.95	0.019	≤ 7.68
11ac-VHT80	MCS0	122	5610	-5.520	-6.128	-5.650	-5.905	96.95	0.361	≤ 7.68
11ac-VHT80	MCS0	138	5690	-5.699	-6.174	-5.620	-6.060	96.95	0.273	≤ 7.68
11ac-VHT160	MCS0	50	5250	-6.772	-7.061	-6.679	-6.808	96.95	-0.673	≤ 7.68
11ac-VHT160	MCS0	114	5570	-8.231	-9.067	-8.546	-8.457	96.95	-2.410	≤ 7.68
11be-EHT20	MCS0	36	5180	4.160	3.738	3.841	3.749	97.84	9.991	≤ 13.68
11be-EHT20	MCS0	44	5220	4.863	5.068	5.024	5.206	97.84	11.157	≤ 13.68
11be-EHT20	MCS0	48	5240	4.399	4.551	4.588	4.930	97.84	10.737	≤ 13.68
11be-EHT20	MCS0	52	5260	0.963	0.849	1.267	0.971	97.84	7.131	≤ 7.68
11be-EHT20	MCS0	60	5300	1.312	0.958	1.153	1.235	97.84	7.282	≤ 7.68
11be-EHT20	MCS0	64	5320	1.666	1.283	1.464	1.299	97.84	7.546	≤ 7.68
11be-EHT20	MCS0	100	5500	1.401	1.233	1.587	1.420	97.84	7.527	≤ 7.68
11be-EHT20	MCS0	116	5580	1.363	1.201	1.144	1.187	97.84	7.340	≤ 7.68
11be-EHT20	MCS0	140	5700	1.298	1.201	1.335	1.298	97.84	7.399	≤ 7.68
11be-EHT20	MCS0	144	5720	1.393	1.317	1.622	1.376	97.84	7.544	≤ 7.68
11be-EHT40	MCS0	38	5190	-0.368	-0.401	-0.068	-0.695	96.96	5.777	≤ 13.68
11be-EHT40	MCS0	46	5230	2.195	1.672	2.270	2.075	96.96	8.214	≤ 13.68
11be-EHT40	MCS0	54	5270	1.327	1.170	1.440	1.599	96.96	7.542	≤ 7.68
11be-EHT40	MCS0	62	5310	1.206	0.711	0.916	0.879	96.96	7.086	≤ 7.68
11be-EHT40	MCS0	102	5510	0.597	0.570	0.550	0.681	96.96	6.754	≤ 7.68
11be-EHT40	MCS0	110	5550	1.315	1.052	1.246	1.221	96.96	7.364	≤ 7.68
11be-EHT40	MCS0	134	5670	1.157	1.105	1.251	1.260	96.96	7.348	≤ 7.68
11be-EHT40	MCS0	142	5710	1.389	1.004	1.399	1.777	96.96	7.556	≤ 7.68

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-EHT80	MCS0	42	5210	-1.502	-1.342	-1.249	-1.367	96.27	4.822	≤ 13.68
11be-EHT80	MCS0	58	5290	-1.706	-1.829	-1.640	-1.531	96.27	4.511	≤ 7.68
11be-EHT80	MCS0	106	5530	-2.539	-3.043	-2.626	-2.460	96.27	3.524	≤ 7.68
11be-EHT80	MCS0	122	5610	-0.978	-0.887	-0.857	-0.702	96.27	5.331	≤ 7.68
11be-EHT80	MCS0	138	5690	-1.191	-0.978	-0.968	-0.674	96.27	5.237	≤ 7.68
11be-EHT160	MCS0	50	5250	-5.671	-5.584	-5.612	-5.567	96.62	0.562	≤ 7.68
11be-EHT160	MCS0	114	5570	-5.164	-5.760	-5.311	-5.210	96.62	0.815	≤ 7.68

Note 1:

Duty Cycle < 98%, Total PSD (dBm/MHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)} + 10^{(\text{Ant 2 AVPSD}/10)} + 10^{(\text{Ant 3 AVPSD}/10)}\} + 10 \times \log (1/\text{Duty cycle})$;

Duty Cycle ≥ 98%, Total PSD (dBm/MHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)} + 10^{(\text{Ant 2 AVPSD}/10)} + 10^{(\text{Ant 3 AVPSD}/10)}\}$.

Note 2:

For 5125 - 5250 MHz Band: PSD Limit (dBm/MHz) = 17 - (9.32 - 6) = 13.68 dBm/MHz

For 5250 - 5725 MHz Band: PSD Limit (dBm/MHz) = 11 - (9.32 - 6) = 7.68 dBm/MHz.

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2026-03-02 ~ 2026-04-24		
Test Item	Power Spectral Density (UNII-Band 3)		

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/510 kHz)				Duty Cycle (%)	Total PSD (dBm/510 kHz)	PSD Limit (dBm/500 kHz)
				Ant 0	Ant 1	Ant 2	Ant 3			
11a	6 Mbps	149	5745	2.763	2.418	2.917	2.847	98.95	8.761	≤ 26.68
11a	6 Mbps	157	5785	2.436	2.264	2.993	2.580	98.95	8.597	≤ 26.68
11a	6 Mbps	165	5825	2.113	1.749	2.706	2.005	98.95	8.178	≤ 26.68
11ac-VHT20	MCS0	149	5745	1.315	1.311	1.629	1.752	97.13	7.653	≤ 26.68
11ac-VHT20	MCS0	157	5785	1.024	0.843	1.364	1.220	97.13	7.264	≤ 26.68
11ac-VHT20	MCS0	165	5825	1.429	1.175	2.034	1.530	97.13	7.700	≤ 26.68
11ac-VHT40	MCS0	151	5755	-0.487	-0.489	-0.539	-0.204	98.35	5.593	≤ 26.68
11ac-VHT40	MCS0	159	5795	-0.469	-0.237	0.046	0.294	98.35	5.939	≤ 26.68
11ac-VHT80	MCS0	155	5775	-3.841	-3.977	-3.823	-3.377	96.95	2.407	≤ 26.68
11be-EHT20	MCS0	149	5745	2.226	2.084	2.452	2.567	97.84	8.452	≤ 26.68
11be-EHT20	MCS0	157	5785	1.974	1.815	2.367	2.183	97.84	8.205	≤ 26.68
11be-EHT20	MCS0	165	5825	2.309	2.036	2.607	2.477	97.84	8.478	≤ 26.68
11be-EHT40	MCS0	151	5755	-0.977	-1.308	-0.574	-0.727	96.96	5.267	≤ 26.68
11be-EHT40	MCS0	159	5795	-1.110	-1.416	-0.439	-1.051	96.96	5.165	≤ 26.68
11be-EHT80	MCS0	155	5775	-4.109	-4.001	-3.896	-3.595	96.27	2.290	≤ 26.68

Note 1:

Duty Cycle < 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)} + 10^{(\text{Ant 2 AVPSD}/10)} + 10^{(\text{Ant 3 AVPSD}/10)}\} + 10 \times \log (1/\text{Duty cycle});$

Duty Cycle ≥ 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)} + 10^{(\text{Ant 2 AVPSD}/10)} + 10^{(\text{Ant 3 AVPSD}/10)}\}.$

Note 2:

PSD Limit (dBm/500 kHz) = 30 - (9.32 - 6) = 26.68 dBm/500 kHz.