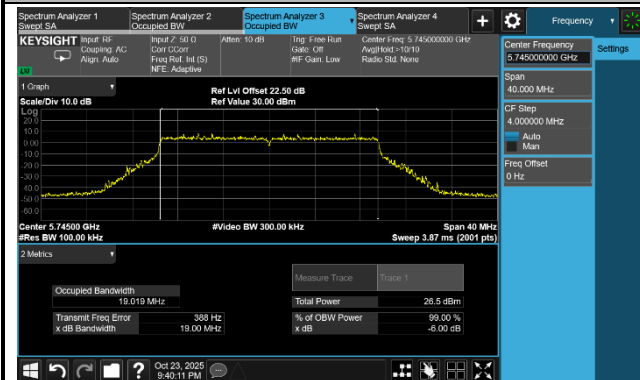
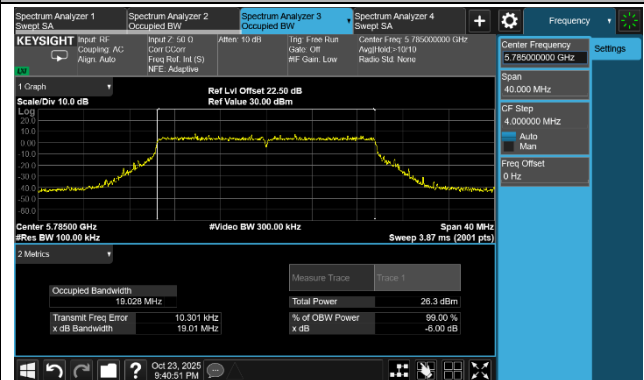


802.11be-EHT20 6 dB Bandwidth

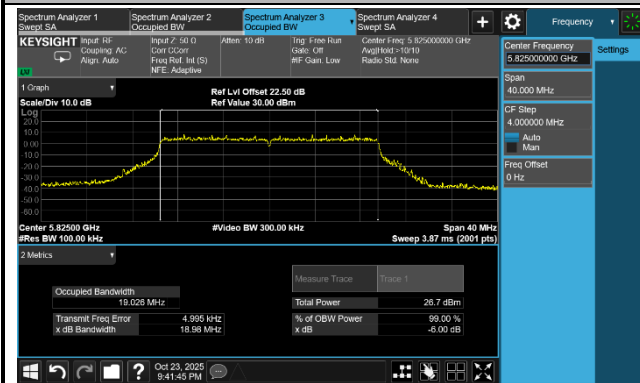
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

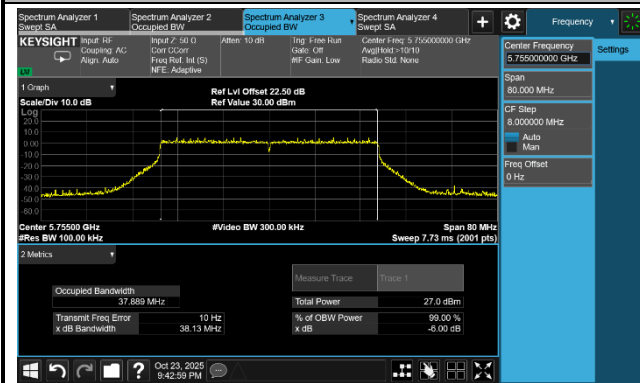


Channel 165 (5825 MHz)

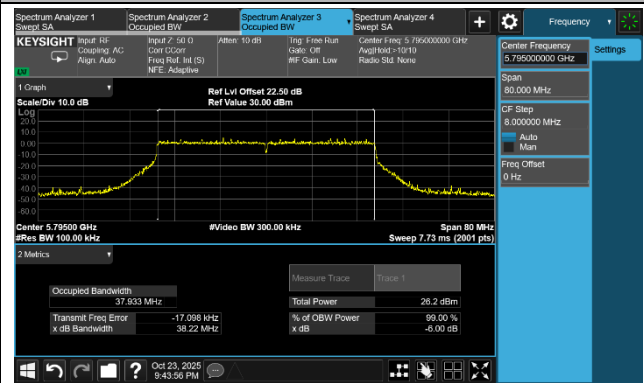


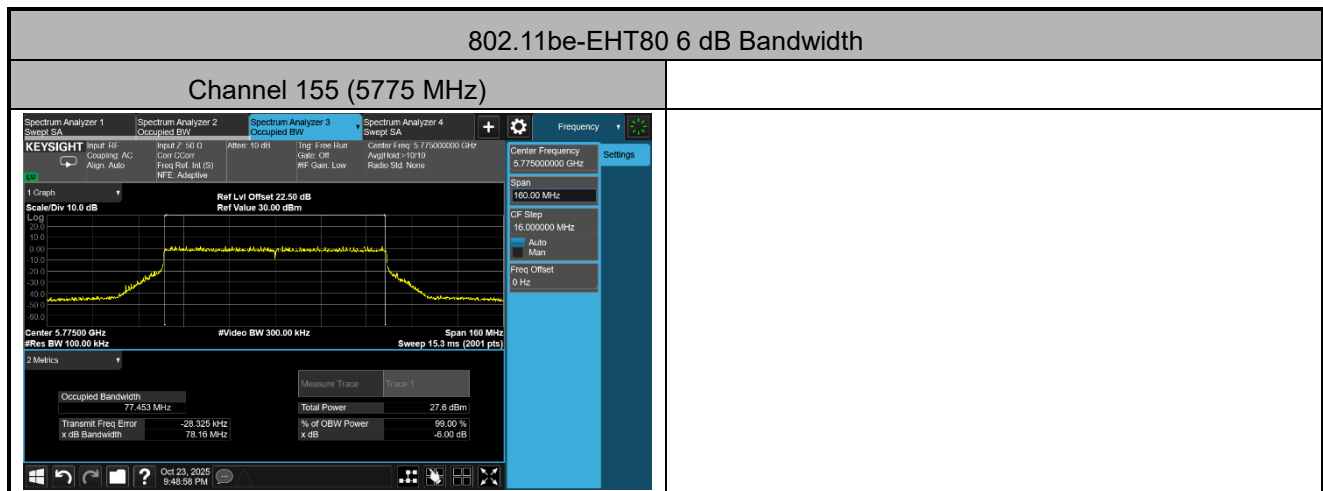
802.11be-EHT40 6 dB Bandwidth

Channel 151 (5755 MHz)



Channel 159 (5795 MHz)

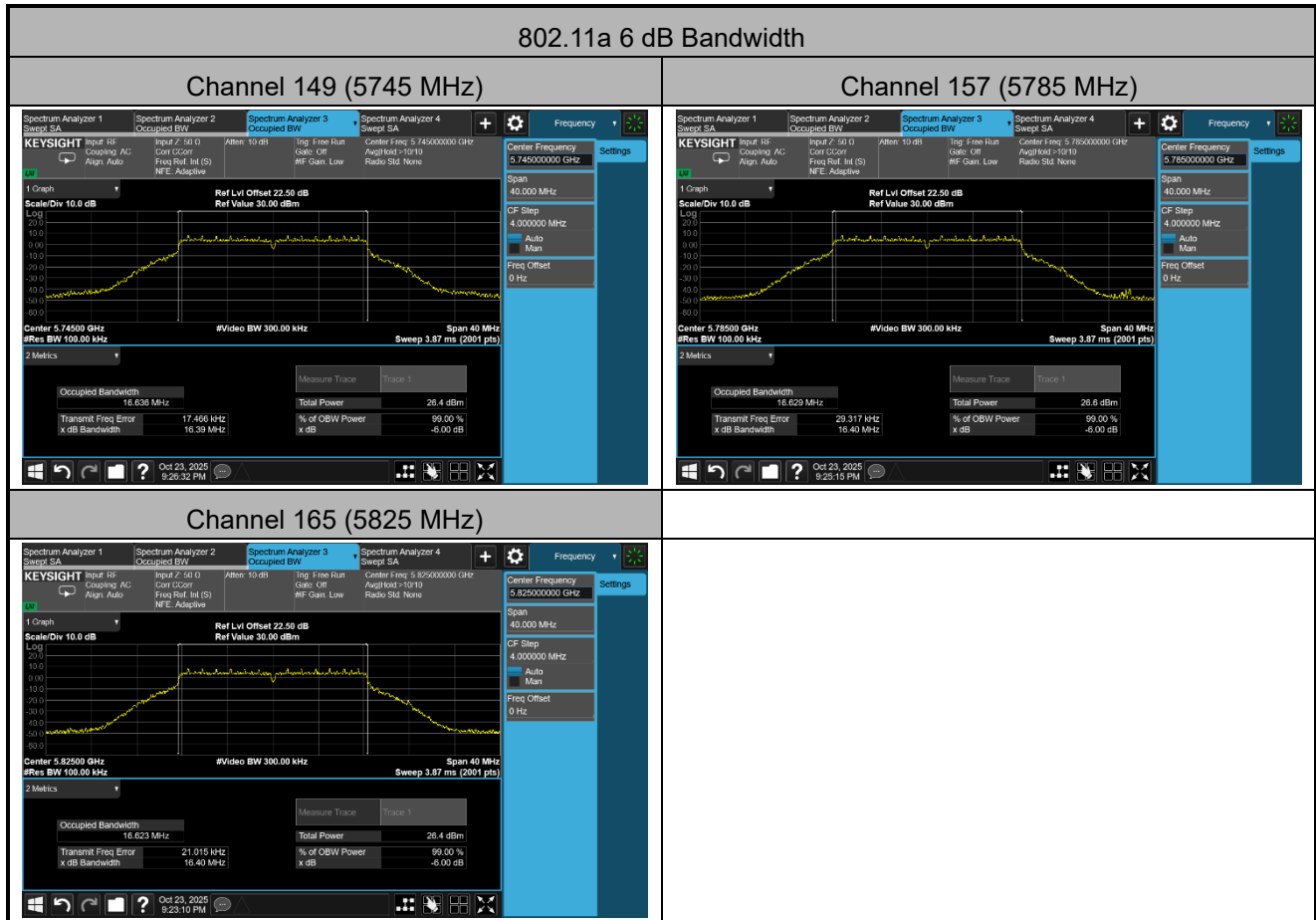




WLAN Config 2:

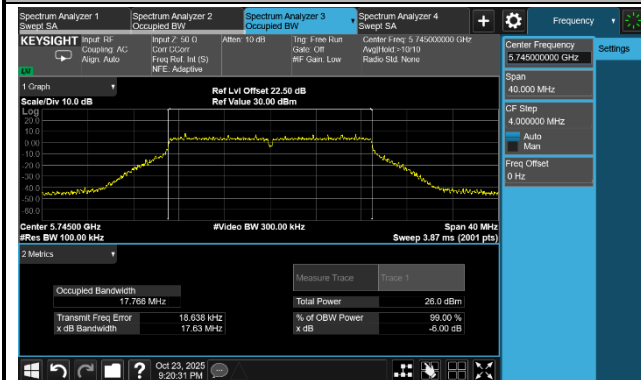
Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-10-23	Model No.	OAW-AP1561

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
11a	6 Mbps	149	5745	16.39	≥0.5
11a	6 Mbps	157	5785	16.40	≥0.5
11a	6 Mbps	165	5825	16.40	≥0.5
11ac-VHT20	MCS0	149	5745	17.63	≥0.5
11ac-VHT20	MCS0	157	5785	17.63	≥0.5
11ac-VHT20	MCS0	165	5825	17.63	≥0.5
11ac-VHT40	MCS0	151	5755	36.41	≥0.5
11ac-VHT40	MCS0	159	5795	36.40	≥0.5
11ac-VHT80	MCS0	155	5775	76.40	≥0.5
11be-EHT20	MCS0	149	5745	19.06	≥0.5
11be-EHT20	MCS0	157	5785	19.09	≥0.5
11be-EHT20	MCS0	165	5825	19.07	≥0.5
11be-EHT40	MCS0	151	5755	38.09	≥0.5
11be-EHT40	MCS0	159	5795	38.31	≥0.5
11be-EHT80	MCS0	155	5775	78.20	≥0.5

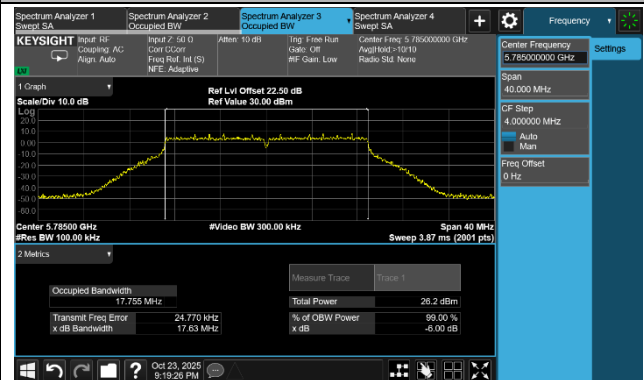


802.11ac-VHT20 6 dB Bandwidth

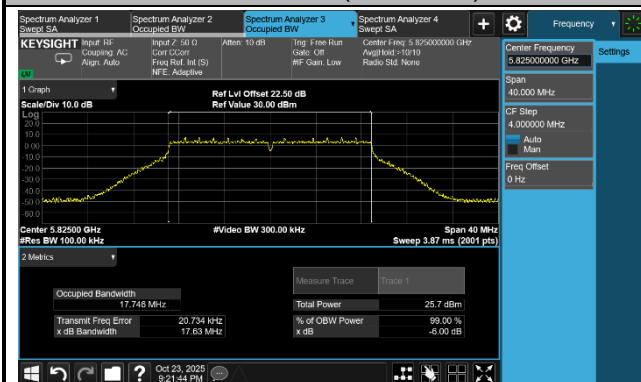
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

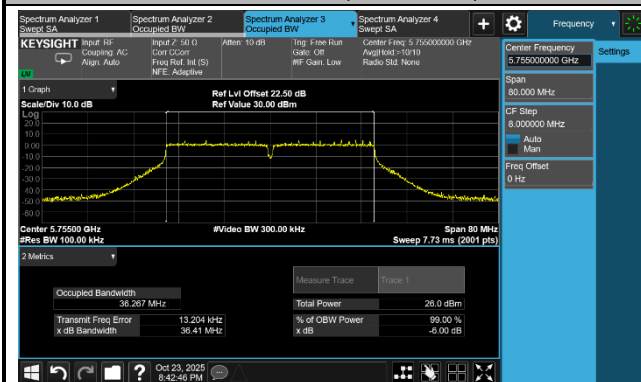


Channel 165 (5825 MHz)

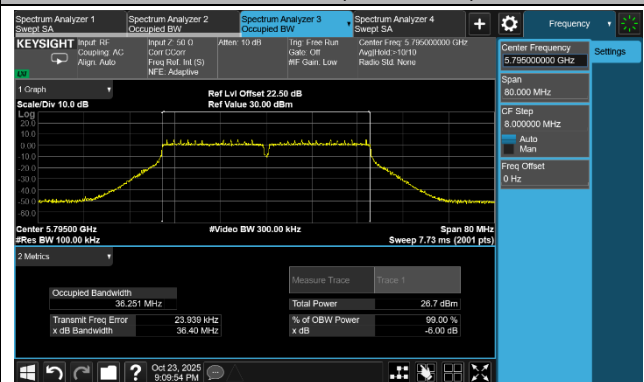


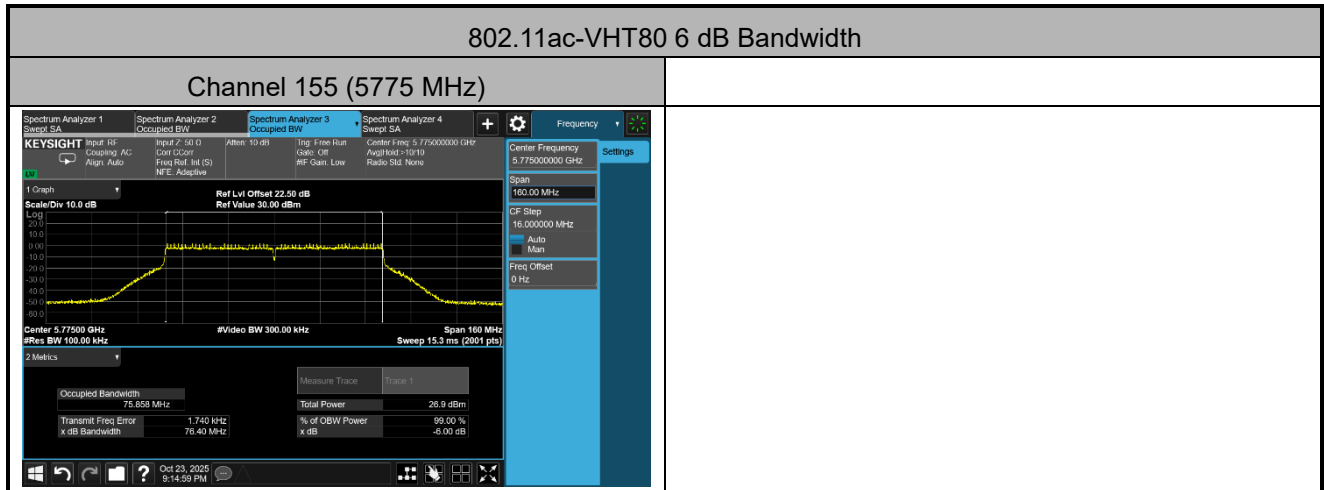
802.11ac-VHT40 6 dB Bandwidth

Channel 151 (5755 MHz)



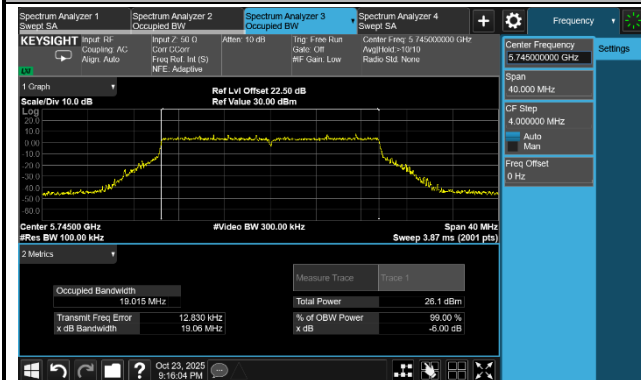
Channel 159 (5795 MHz)



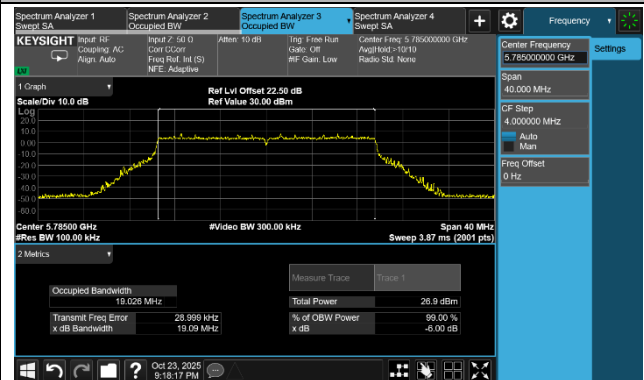


802.11be-EHT20 6 dB Bandwidth

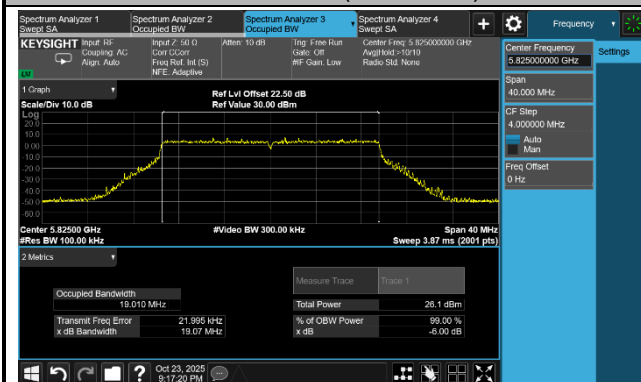
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

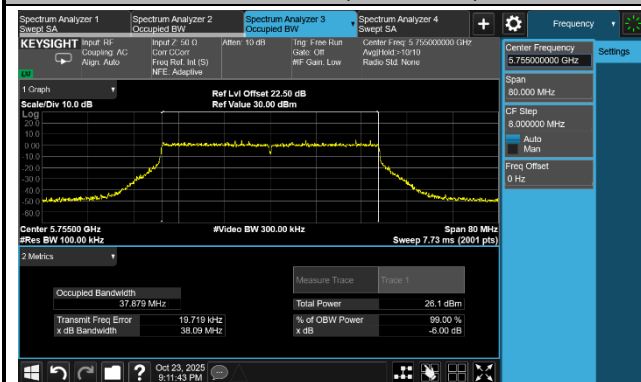


Channel 165 (5825 MHz)

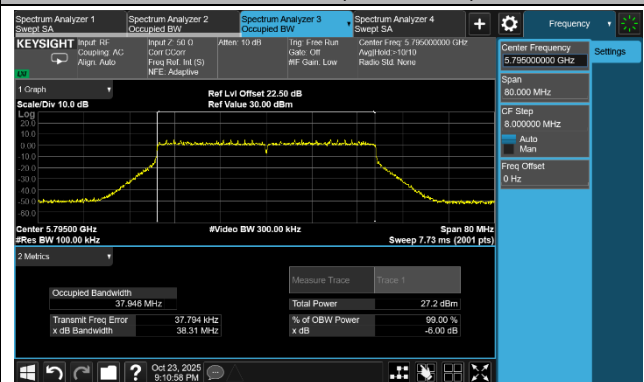


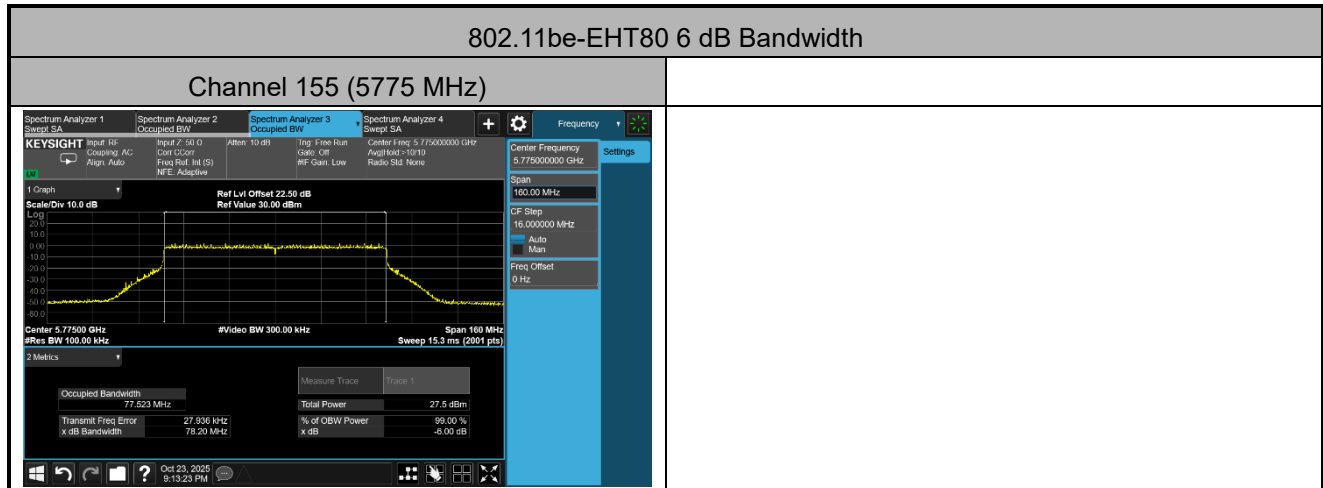
802.11be-EHT40 6 dB Bandwidth

Channel 151 (5755 MHz)



Channel 159 (5795 MHz)





A.4 Output Power & EIRP Test Result

WLAN Config 1:

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-10-23	Model No.	OAW-AP1561

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	30° EIRP (dBm)	30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11a	6 Mbps	36	5180	16.79	17.17	19.99	≤ 28.56	20.75	≤ 21.00
11a	6 Mbps	44	5220	16.82	17.17	20.01	≤ 28.56	20.77	≤ 21.00
11a	6 Mbps	48	5240	16.99	17.41	20.22	≤ 28.56	20.98	≤ 21.00
11a	6 Mbps	52	5260	17.44	18.44	20.98	≤ 22.54	--	--
11a	6 Mbps	60	5300	17.44	18.73	21.14	≤ 22.54	--	--
11a	6 Mbps	64	5320	17.52	18.70	21.16	≤ 22.54	--	--
11a	6 Mbps	100	5500	17.80	18.54	21.20	≤ 22.54	--	--
11a	6 Mbps	116	5580	17.26	18.65	21.02	≤ 22.54	--	--
11a	6 Mbps	140	5700	18.09	18.98	21.57	≤ 22.54	--	--
11a	6 Mbps	144	5720	17.47	18.58	21.07	≤ 22.54	--	--
11a	6 Mbps	149	5745	17.73	19.51	21.72	≤ 28.56	--	--
11a	6 Mbps	157	5785	17.82	19.62	21.82	≤ 28.56	--	--
11a	6 Mbps	165	5825	18.15	19.76	22.04	≤ 28.56	--	--
11ac-VHT20	MCS0	36	5180	16.94	17.25	20.11	≤ 28.56	20.87	≤ 21.00
11ac-VHT20	MCS0	44	5220	16.43	16.84	19.65	≤ 28.56	20.41	≤ 21.00
11ac-VHT20	MCS0	48	5240	16.60	17.21	19.93	≤ 28.56	20.69	≤ 21.00
11ac-VHT20	MCS0	52	5260	17.87	18.89	21.42	≤ 22.54	--	--
11ac-VHT20	MCS0	60	5300	17.35	18.69	21.08	≤ 22.54	--	--
11ac-VHT20	MCS0	64	5320	17.84	19.01	21.47	≤ 22.54	--	--
11ac-VHT20	MCS0	100	5500	18.31	19.20	21.79	≤ 22.54	--	--
11ac-VHT20	MCS0	116	5580	17.38	18.67	21.08	≤ 22.54	--	--
11ac-VHT20	MCS0	140	5700	18.01	19.07	21.58	≤ 22.54	--	--
11ac-VHT20	MCS0	144	5720	17.94	19.06	21.55	≤ 22.54	--	--
11ac-VHT20	MCS0	149	5745	17.87	19.64	21.85	≤ 28.56	--	--
11ac-VHT20	MCS0	157	5785	17.79	19.61	21.80	≤ 28.56	--	--
11ac-VHT20	MCS0	165	5825	18.21	19.85	22.12	≤ 28.56	--	--

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	30° EIRP (dBm)	30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11ac-VHT40	MCS0	38	5190	16.88	17.18	20.04	≤ 28.56	20.80	≤ 21.00
11ac-VHT40	MCS0	46	5230	16.55	16.91	19.74	≤ 28.56	20.50	≤ 21.00
11ac-VHT40	MCS0	54	5270	18.48	19.45	22.00	≤ 22.54	--	--
11ac-VHT40	MCS0	62	5310	18.73	19.67	22.24	≤ 22.54	--	--
11ac-VHT40	MCS0	102	5510	18.51	19.20	21.88	≤ 22.54	--	--
11ac-VHT40	MCS0	110	5550	18.44	19.37	21.94	≤ 22.54	--	--
11ac-VHT40	MCS0	134	5670	18.10	19.45	21.84	≤ 22.54	--	--
11ac-VHT40	MCS0	142	5710	18.56	19.56	22.10	≤ 22.54	--	--
11ac-VHT40	MCS0	151	5755	17.82	19.50	21.75	≤ 28.56	--	--
11ac-VHT40	MCS0	159	5795	17.84	19.65	21.85	≤ 28.56	--	--
11ac-VHT80	MCS0	42	5210	16.55	16.93	19.75	≤ 28.56	20.51	≤ 21.00
11ac-VHT80	MCS0	58	5290	18.57	19.52	22.08	≤ 22.54	--	--
11ac-VHT80	MCS0	106	5530	18.27	19.37	21.87	≤ 22.54	--	--
11ac-VHT80	MCS0	122	5610	18.51	19.83	22.23	≤ 22.54	--	--
11ac-VHT80	MCS0	138	5690	18.72	19.71	22.25	≤ 22.54	--	--
11ac-VHT80	MCS0	155	5775	18.05	19.76	22.00	≤ 28.56	--	--
11ac-VHT160	MCS0	50	5250	16.49	17.48	20.02	≤ 22.54	20.78	≤ 21.00
11ac-VHT160	MCS0	114	5570	15.69	16.91	19.35	≤ 22.54	--	--
11ax-HE20	MCS0	36	5180	16.40	17.00	19.40	≤ 28.56	20.16	≤ 21.00
11ax-HE20	MCS0	44	5220	16.50	16.78	19.60	≤ 28.56	20.36	≤ 21.00
11ax-HE20	MCS0	48	5240	16.50	17.30	19.93	≤ 28.56	20.69	≤ 21.00
11ax-HE20	MCS0	52	5260	18.00	18.88	21.47	≤ 22.54	--	--
11ax-HE20	MCS0	60	5300	17.65	19.10	21.45	≤ 22.54	--	--
11ax-HE20	MCS0	64	5320	18.10	19.12	21.65	≤ 22.54	--	--
11ax-HE20	MCS0	100	5500	18.11	19.05	21.62	≤ 22.54	--	--
11ax-HE20	MCS0	116	5580	17.86	19.22	21.60	≤ 22.54	--	--
11ax-HE20	MCS0	140	5700	18.08	19.09	21.62	≤ 22.54	--	--
11ax-HE20	MCS0	144	5720	18.08	19.16	21.66	≤ 22.54	--	--
11ax-HE20	MCS0	149	5745	17.80	19.63	21.82	≤ 28.56	--	--
11ax-HE20	MCS0	157	5785	17.88	19.76	21.93	≤ 28.56	--	--
11ax-HE20	MCS0	165	5825	18.17	19.47	21.88	≤ 28.56	--	--

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	30° EIRP (dBm)	30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11ax-HE40	MCS0	38	5190	16.88	17.20	20.05	≤ 28.56	20.81	≤ 21.00
11ax-HE40	MCS0	46	5230	16.41	16.74	19.59	≤ 28.56	20.35	≤ 21.00
11ax-HE40	MCS0	54	5270	18.36	19.32	21.88	≤ 22.54	--	--
11ax-HE40	MCS0	62	5310	18.49	19.39	21.97	≤ 22.54	--	--
11ax-HE40	MCS0	102	5510	18.65	19.54	22.13	≤ 22.54	--	--
11ax-HE40	MCS0	110	5550	18.77	19.68	22.26	≤ 22.54	--	--
11ax-HE40	MCS0	134	5670	18.37	19.70	22.10	≤ 22.54	--	--
11ax-HE40	MCS0	142	5710	18.24	19.70	22.04	≤ 22.54	--	--
11ax-HE40	MCS0	151	5755	18.30	19.70	22.07	≤ 28.56	--	--
11ax-HE40	MCS0	159	5795	17.70	19.36	21.62	≤ 28.56	--	--
11ax-HE80	MCS0	42	5210	16.61	17.18	19.91	≤ 28.56	20.67	≤ 21.00
11ax-HE80	MCS0	58	5290	18.64	19.59	22.15	≤ 22.54	--	--
11ax-HE80	MCS0	106	5530	18.43	19.44	21.97	≤ 22.54	--	--
11ax-HE80	MCS0	122	5610	18.40	19.50	22.00	≤ 22.54	--	--
11ax-HE80	MCS0	138	5690	18.69	19.50	22.12	≤ 22.54	--	--
11ax-HE80	MCS0	155	5775	18.16	19.87	22.11	≤ 28.56	--	--
11ax-HE160	MCS0	50	5250	16.40	17.29	19.88	≤ 22.54	20.64	≤ 21.00
11ax-HE160	MCS0	114	5570	16.10	17.35	19.78	≤ 22.54	--	--
11be-EHT20	MCS0	36	5180	16.46	16.98	19.74	≤ 28.56	20.50	≤ 21.00
11be-EHT20	MCS0	44	5220	16.50	16.93	19.73	≤ 28.56	20.49	≤ 21.00
11be-EHT20	MCS0	48	5240	16.63	17.35	20.02	≤ 28.56	20.78	≤ 21.00
11be-EHT20	MCS0	52	5260	18.01	18.90	21.49	≤ 22.54	--	--
11be-EHT20	MCS0	60	5300	17.90	19.24	21.63	≤ 22.54	--	--
11be-EHT20	MCS0	64	5320	18.15	19.23	21.73	≤ 22.54	--	--
11be-EHT20	MCS0	100	5500	18.35	19.20	21.81	≤ 22.54	--	--
11be-EHT20	MCS0	116	5580	17.89	19.42	21.73	≤ 22.54	--	--
11be-EHT20	MCS0	140	5700	18.12	19.14	21.67	≤ 22.54	--	--
11be-EHT20	MCS0	144	5720	18.15	19.21	21.72	≤ 22.54	--	--
11be-EHT20	MCS0	149	5745	17.88	19.71	21.90	≤ 28.56	--	--
11be-EHT20	MCS0	157	5785	17.91	19.81	21.97	≤ 28.56	--	--
11be-EHT20	MCS0	165	5825	18.34	19.76	22.12	≤ 28.56	--	--

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	30° EIRP (dBm)	30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11be-EHT40	MCS0	38	5190	16.95	17.23	20.10	≤ 28.56	20.86	≤ 21.00
11be-EHT40	MCS0	46	5230	16.43	16.76	19.61	≤ 28.56	20.37	≤ 21.00
11be-EHT40	MCS0	54	5270	18.45	19.47	22.00	≤ 22.54	--	--
11be-EHT40	MCS0	62	5310	18.51	19.44	22.01	≤ 22.54	--	--
11be-EHT40	MCS0	102	5510	18.88	19.64	22.29	≤ 22.54	--	--
11be-EHT40	MCS0	110	5550	18.71	19.77	22.28	≤ 22.54	--	--
11be-EHT40	MCS0	134	5670	18.55	19.71	22.18	≤ 22.54	--	--
11be-EHT40	MCS0	142	5710	18.50	19.53	22.06	≤ 22.54	--	--
11be-EHT40	MCS0	151	5755	18.22	19.87	22.13	≤ 28.56	--	--
11be-EHT40	MCS0	159	5795	17.98	19.42	21.77	≤ 28.56	--	--
11be-EHT80	MCS0	42	5210	16.77	17.13	19.96	≤ 28.56	20.72	≤ 21.00
11be-EHT80	MCS0	58	5290	18.77	19.72	22.28	≤ 22.54	--	--
11be-EHT80	MCS0	106	5530	18.55	19.54	22.08	≤ 22.54	--	--
11be-EHT80	MCS0	122	5610	18.55	19.93	22.30	≤ 22.54	--	--
11be-EHT80	MCS0	138	5690	18.72	19.66	22.23	≤ 22.54	--	--
11be-EHT80	MCS0	155	5775	18.17	19.91	22.14	≤ 28.56	--	--
11be-EHT160	MCS0	50	5250	16.49	17.33	19.94	≤ 22.54	20.70	≤ 21.00
11be-EHT160	MCS0	114	5570	16.23	17.51	19.93	≤ 22.54	--	--

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

Note 2: For the band 5.15-5.25 GHz and 5.725-5.85 GHz, Average Power Limit (dBm) = 30 dBm - (7.44 dBi - 6 dBi) = 28.56 dBm.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, Average Power Limit (dBm) = 23.98 dBm - (7.44 dBi - 6 dBi) = 22.54 dBm.

Note 3: For Band-Crossing channel, Average Power Limit = 23.98 dBm or $11 + 10 \times \log_{10} \text{EBW}_{2C}$, which is less.

Note 4: 30° EIRP (dBm) = Total Average Power (dBm) + Antenna Gain above 30 degrees from the horizon (dBi).

WLAN Config 2:

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-10-23	Model No.	OAW-AP1561

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1		
11a	6 Mbps	100	5500	18.24	18.33	21.30	≤ 22.21
11a	6 Mbps	116	5580	17.38	17.65	20.53	≤ 22.21
11a	6 Mbps	140	5700	17.56	17.98	20.79	≤ 22.21
11a	6 Mbps	144	5720	17.59	17.94	20.78	≤ 22.21
11a	6 Mbps	149	5745	19.49	19.62	22.57	≤ 28.23
11a	6 Mbps	157	5785	19.57	19.54	22.57	≤ 28.23
11a	6 Mbps	165	5825	19.89	19.78	22.85	≤ 28.23
11ac-VHT20	MCS0	100	5500	18.23	18.41	21.33	≤ 22.21
11ac-VHT20	MCS0	116	5580	18.01	18.32	21.18	≤ 22.21
11ac-VHT20	MCS0	140	5700	18.22	18.37	21.31	≤ 22.21
11ac-VHT20	MCS0	144	5720	18.07	18.41	21.25	≤ 22.21
11ac-VHT20	MCS0	149	5745	19.51	19.56	22.55	≤ 28.23
11ac-VHT20	MCS0	157	5785	19.73	19.63	22.69	≤ 28.23
11ac-VHT20	MCS0	165	5825	19.41	19.31	22.37	≤ 28.23
11ac-VHT40	MCS0	102	5510	19.01	19.05	22.04	≤ 22.21
11ac-VHT40	MCS0	110	5550	18.78	18.64	21.72	≤ 22.21
11ac-VHT40	MCS0	134	5670	18.87	19.33	22.12	≤ 22.21
11ac-VHT40	MCS0	142	5710	18.51	19.22	21.89	≤ 22.21
11ac-VHT40	MCS0	151	5755	19.80	19.61	22.72	≤ 28.23
11ac-VHT40	MCS0	159	5795	19.74	19.81	22.79	≤ 28.23
11ac-VHT80	MCS0	106	5530	19.17	19.06	22.13	≤ 22.21
11ac-VHT80	MCS0	122	5610	18.88	18.76	21.83	≤ 22.21
11ac-VHT80	MCS0	138	5690	18.82	19.16	22.00	≤ 22.21
11ac-VHT80	MCS0	155	5775	19.57	19.41	22.50	≤ 28.23
11ac-VHT160	MCS0	114	5570	17.79	18.26	21.04	≤ 22.21

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1		
11ax-HE20	MCS0	100	5500	18.21	18.42	21.33	≤ 22.21
11ax-HE20	MCS0	116	5580	18.17	18.31	21.25	≤ 22.21
11ax-HE20	MCS0	140	5700	18.68	18.86	21.78	≤ 22.21
11ax-HE20	MCS0	144	5720	18.72	18.51	21.63	≤ 22.21
11ax-HE20	MCS0	149	5745	19.61	19.38	22.51	≤ 28.23
11ax-HE20	MCS0	157	5785	19.77	19.68	22.74	≤ 28.23
11ax-HE20	MCS0	165	5825	19.31	19.46	22.40	≤ 28.23
11ax-HE40	MCS0	102	5510	18.81	18.83	21.83	≤ 22.21
11ax-HE40	MCS0	110	5550	19.08	18.77	21.94	≤ 22.21
11ax-HE40	MCS0	134	5670	19.04	19.16	22.11	≤ 22.21
11ax-HE40	MCS0	142	5710	18.72	19.02	21.88	≤ 22.21
11ax-HE40	MCS0	151	5755	19.22	19.17	22.21	≤ 28.23
11ax-HE40	MCS0	159	5795	19.68	19.61	22.66	≤ 28.23
11ax-HE80	MCS0	106	5530	18.74	18.82	21.79	≤ 22.21
11ax-HE80	MCS0	122	5610	18.76	19.02	21.90	≤ 22.21
11ax-HE80	MCS0	138	5690	18.41	18.62	21.53	≤ 22.21
11ax-HE80	MCS0	155	5775	19.52	19.59	22.57	≤ 28.23
11ax-HE160	MCS0	114	5570	17.89	18.13	21.02	≤ 22.21
11be-EHT20	MCS0	100	5500	18.34	18.42	21.39	≤ 22.21
11be-EHT20	MCS0	116	5580	18.23	18.35	21.30	≤ 22.21
11be-EHT20	MCS0	140	5700	18.74	18.92	21.84	≤ 22.21
11be-EHT20	MCS0	144	5720	18.77	18.66	21.73	≤ 22.21
11be-EHT20	MCS0	149	5745	19.62	19.44	22.54	≤ 28.23
11be-EHT20	MCS0	157	5785	19.86	19.68	22.78	≤ 28.23
11be-EHT20	MCS0	165	5825	19.34	19.51	22.44	≤ 28.23
11be-EHT40	MCS0	102	5510	18.84	18.91	21.89	≤ 22.21
11be-EHT40	MCS0	110	5550	19.13	18.83	21.99	≤ 22.21
11be-EHT40	MCS0	134	5670	19.06	19.21	22.15	≤ 22.21
11be-EHT40	MCS0	142	5710	18.79	19.06	21.94	≤ 22.21
11be-EHT40	MCS0	151	5755	19.61	19.44	22.54	≤ 28.23
11be-EHT40	MCS0	159	5795	19.77	19.75	22.77	≤ 28.23

Test Mode	Data Rate / MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)
				Ant 0	Ant 1		
11be-EHT80	MCS0	106	5530	18.83	18.89	21.87	≤ 22.21
11be-EHT80	MCS0	122	5610	18.86	19.07	21.98	≤ 22.21
11be-EHT80	MCS0	138	5690	18.52	18.73	21.64	≤ 22.21
11be-EHT80	MCS0	155	5775	19.60	19.63	22.63	≤ 28.23
11be-EHT160	MCS0	114	5570	18.01	18.21	21.12	≤ 22.21

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

Note 2: For the band 5.725-5.85 GHz, Average Power Limit (dBm) = (dBm) = 30 dBm - (7.77 dBi - 6 dBi) = 28.23 dBm.

Note 3: 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

WLAN Config 1:

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-10-15 ~ 2025-10-23	Model No.	OAW-AP1561
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			
11a	6 Mbps	36	5180	4.624	4.990	99.04	7.821	≤ 15.56
11a	6 Mbps	44	5220	4.769	5.061	99.04	7.928	≤ 15.56
11a	6 Mbps	48	5240	4.868	5.460	99.04	8.184	≤ 15.56
11a	6 Mbps	52	5260	5.531	6.528	99.04	9.068	≤ 9.56
11a	6 Mbps	60	5300	5.591	6.757	99.04	9.223	≤ 9.56
11a	6 Mbps	64	5320	5.672	6.724	99.04	9.240	≤ 9.56
11a	6 Mbps	100	5500	5.833	6.513	99.04	9.197	≤ 9.56
11a	6 Mbps	116	5580	5.537	6.768	99.04	9.206	≤ 9.56
11a	6 Mbps	140	5700	5.890	6.905	99.04	9.437	≤ 9.56
11a	6 Mbps	144	5720	5.494	6.573	99.04	9.077	≤ 9.56
11ac-VHT20	MCS0	36	5180	4.445	4.881	97.31	7.797	≤ 15.56
11ac-VHT20	MCS0	44	5220	3.796	4.375	97.31	7.224	≤ 15.56
11ac-VHT20	MCS0	48	5240	3.906	4.719	97.31	7.460	≤ 15.56
11ac-VHT20	MCS0	52	5260	5.541	6.548	97.31	9.202	≤ 9.56
11ac-VHT20	MCS0	60	5300	5.250	6.420	97.31	9.003	≤ 9.56
11ac-VHT20	MCS0	64	5320	5.626	6.717	97.31	9.334	≤ 9.56
11ac-VHT20	MCS0	100	5500	5.762	6.557	97.31	9.306	≤ 9.56
11ac-VHT20	MCS0	116	5580	5.132	6.408	97.31	8.945	≤ 9.56
11ac-VHT20	MCS0	140	5700	5.559	6.516	97.31	9.193	≤ 9.56
11ac-VHT20	MCS0	144	5720	5.179	6.454	97.31	8.992	≤ 9.56
11ac-VHT40	MCS0	38	5190	1.445	1.778	97.48	4.736	≤ 15.56
11ac-VHT40	MCS0	46	5230	1.070	1.558	97.48	4.442	≤ 15.56
11ac-VHT40	MCS0	54	5270	3.162	4.250	97.48	6.861	≤ 9.56
11ac-VHT40	MCS0	62	5310	3.283	4.482	97.48	7.045	≤ 9.56
11ac-VHT40	MCS0	102	5510	3.019	3.961	97.48	6.637	≤ 9.56
11ac-VHT40	MCS0	110	5550	2.792	3.878	97.48	6.490	≤ 9.56
11ac-VHT40	MCS0	134	5670	2.366	3.729	97.48	6.222	≤ 9.56
11ac-VHT40	MCS0	142	5710	3.006	4.166	97.48	6.746	≤ 9.56

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	-1.853	-1.216	97.03	1.618	≤ 15.56
11ac-VHT80	MCS0	58	5290	0.153	1.157	97.03	3.825	≤ 9.56
11ac-VHT80	MCS0	106	5530	-0.115	1.197	97.03	3.732	≤ 9.56
11ac-VHT80	MCS0	122	5610	0.070	1.665	97.03	4.082	≤ 9.56
11ac-VHT80	MCS0	138	5690	0.289	1.204	97.03	3.912	≤ 9.56
11ac-VHT160	MCS0	50	5250	-4.450	-3.071	98.22	-0.696	≤ 9.56
11ac-VHT160	MCS0	114	5570	-5.426	-4.209	98.22	-1.765	≤ 9.56
11be-EHT20	MCS0	36	5180	3.806	4.088	97.04	7.090	≤ 15.56
11be-EHT20	MCS0	44	5220	3.828	4.205	97.04	7.161	≤ 15.56
11be-EHT20	MCS0	48	5240	3.885	4.690	97.04	7.447	≤ 15.56
11be-EHT20	MCS0	52	5260	5.271	6.334	97.04	8.976	≤ 9.56
11be-EHT20	MCS0	60	5300	5.370	6.568	97.04	9.151	≤ 9.56
11be-EHT20	MCS0	64	5320	5.431	6.586	97.04	9.188	≤ 9.56
11be-EHT20	MCS0	100	5500	5.589	6.304	97.04	9.102	≤ 9.56
11be-EHT20	MCS0	116	5580	5.337	6.489	97.04	9.092	≤ 9.56
11be-EHT20	MCS0	140	5700	5.323	6.338	97.04	9.001	≤ 9.56
11be-EHT20	MCS0	144	5720	5.218	6.482	97.04	9.037	≤ 9.56
11be-EHT40	MCS0	38	5190	0.913	1.411	96.52	4.333	≤ 15.56
11be-EHT40	MCS0	46	5230	0.656	1.245	96.52	4.125	≤ 15.56
11be-EHT40	MCS0	54	5270	2.759	3.870	96.52	6.514	≤ 9.56
11be-EHT40	MCS0	62	5310	2.761	4.045	96.52	6.614	≤ 9.56
11be-EHT40	MCS0	102	5510	3.138	4.144	96.52	6.834	≤ 9.56
11be-EHT40	MCS0	110	5550	3.027	4.108	96.52	6.765	≤ 9.56
11be-EHT40	MCS0	134	5670	2.688	4.083	96.52	6.605	≤ 9.56
11be-EHT40	MCS0	142	5710	2.711	3.791	96.52	6.449	≤ 9.56
11be-EHT80	MCS0	42	5210	-1.997	-1.256	97.70	1.501	≤ 15.56
11be-EHT80	MCS0	58	5290	0.039	1.082	97.70	3.703	≤ 9.56
11be-EHT80	MCS0	106	5530	-0.225	1.215	97.70	3.666	≤ 9.56
11be-EHT80	MCS0	122	5610	-0.119	1.665	97.70	3.975	≤ 9.56
11be-EHT80	MCS0	138	5690	-0.133	0.983	97.70	3.572	≤ 9.56
11be-EHT160	MCS0	50	5250	-4.728	-3.201	97.06	-0.758	≤ 9.56
11be-EHT160	MCS0	114	5570	-5.111	-3.951	97.06	-1.352	≤ 9.56

Notes:

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

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

2. For the band 5.15-5.25 GHz, PSD Limit (dBm/ MHz) = 17 dBm - (7.44 dBi - 6 dBi) = 15.56 dBm/ MHz.
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, PSD Limit (dBm/ MHz) = 11 dBm - (7.44 dBi - 6 dBi) = 9.56 dBm/ MHz.

Test Site	SIP-TR2	Test Engineer	Nolan Chen
Test Date	2025-10-15 ~ 2025-10-23	Model No.	OAW-AP1561
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			
11a	6 Mbps	149	5745	3.083	4.637	99.04	6.939	≤ 28.56
11a	6 Mbps	157	5785	3.079	4.829	99.04	7.052	≤ 28.56
11a	6 Mbps	165	5825	3.164	4.993	99.04	7.184	≤ 28.56
11ac-VHT20	MCS0	149	5745	2.537	4.295	97.31	6.633	≤ 28.56
11ac-VHT20	MCS0	157	5785	2.592	4.435	97.31	6.739	≤ 28.56
11ac-VHT20	MCS0	165	5825	2.828	4.548	97.31	6.901	≤ 28.56
11ac-VHT40	MCS0	151	5755	-0.376	1.329	97.48	3.681	≤ 28.56
11ac-VHT40	MCS0	159	5795	-0.409	1.198	97.48	3.590	≤ 28.56
11ac-VHT80	MCS0	155	5775	-3.031	-1.328	97.03	1.045	≤ 28.56
11be-EHT20	MCS0	149	5745	2.338	4.046	97.04	6.416	≤ 28.56
11be-EHT20	MCS0	157	5785	2.397	4.073	97.04	6.456	≤ 28.56
11be-EHT20	MCS0	165	5825	2.574	4.389	97.04	6.716	≤ 28.56
11be-EHT40	MCS0	151	5755	-0.342	1.570	96.52	3.883	≤ 28.56
11be-EHT40	MCS0	159	5795	-0.938	0.735	96.52	3.143	≤ 28.56
11be-EHT80	MCS0	155	5775	-3.221	-1.246	97.70	0.989	≤ 28.56

Notes:

- Duty Cycle < 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)}\} + 10 \times \log (1/\text{Duty cycle})$;
Duty Cycle ≥ 98%, Total PSD (dBm/510 kHz) = $10 \times \log \{10^{(\text{Ant 0 AVPSD}/10)} + 10^{(\text{Ant 1 AVPSD}/10)}\}$.
- PSD Limit (dBm/500 kHz) = 30 dBm - (7.44 dBi - 6 dBi) = 28.56 dBm/ MHz.

802.11a Power Spectral Density - Ant 0

Channel 36 (5180 MHz)



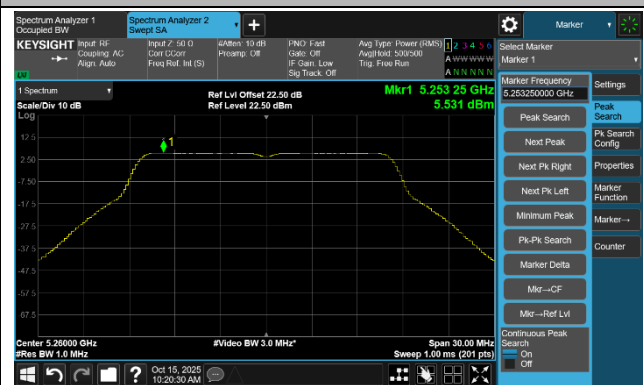
Channel 44 (5220 MHz)



Channel 48 (5240 MHz)



Channel 52 (5260 MHz)



Channel 60 (5300 MHz)

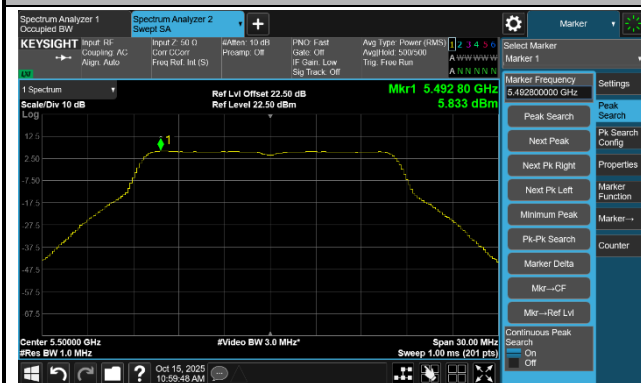


Channel 64 (5320 MHz)



802.11a Power Spectral Density - Ant 0

Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)

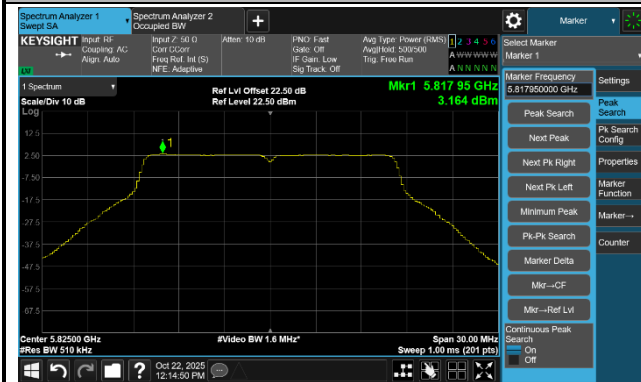


Channel 157 (5785 MHz)



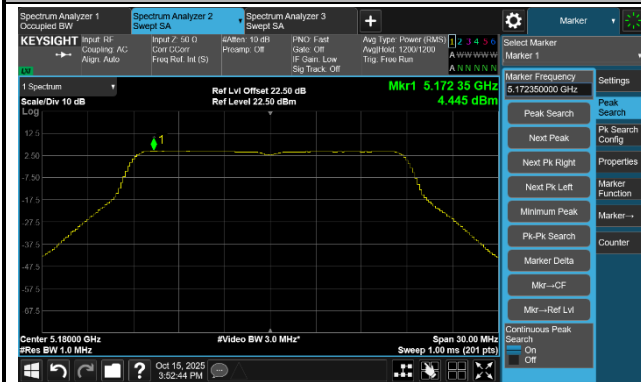
802.11a Power Spectral Density - Ant 0

Channel 165 (5825 MHz)

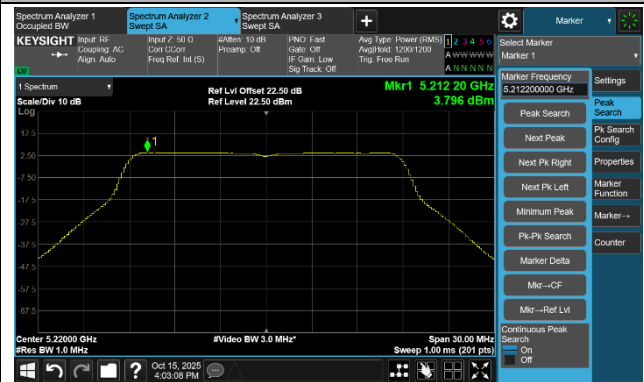


802.11ac-VHT20 Power Spectral Density - Ant 0

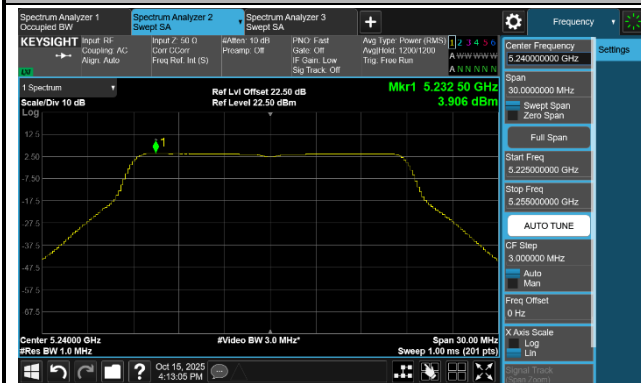
Channel 36 (5180 MHz)



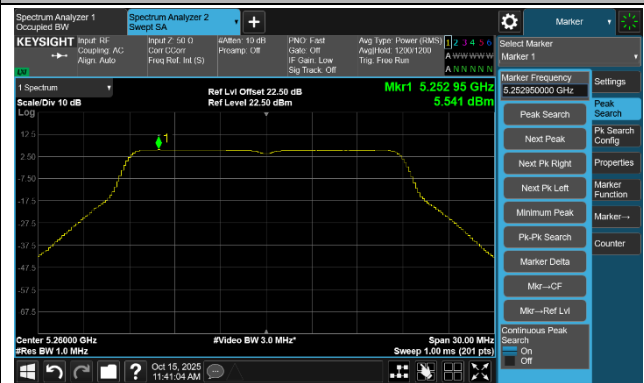
Channel 44 (5220 MHz)



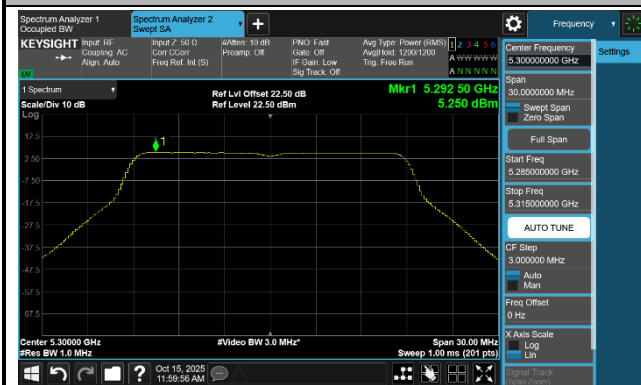
Channel 48 (5240 MHz)



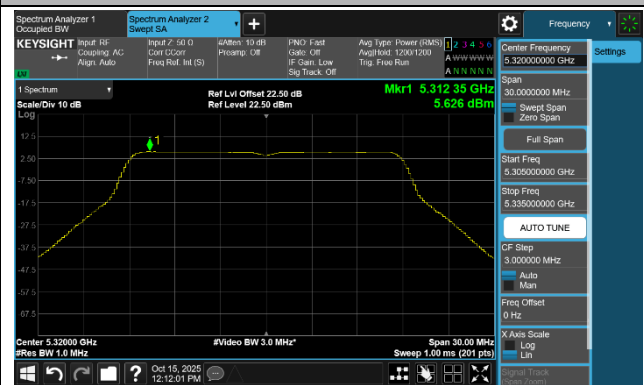
Channel 52 (5260 MHz)



Channel 60 (5300 MHz)

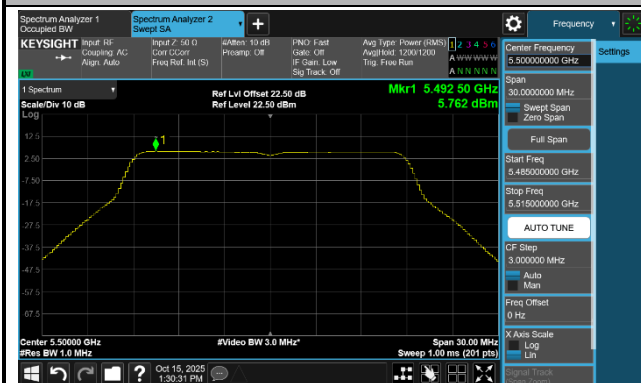


Channel 64 (5320 MHz)

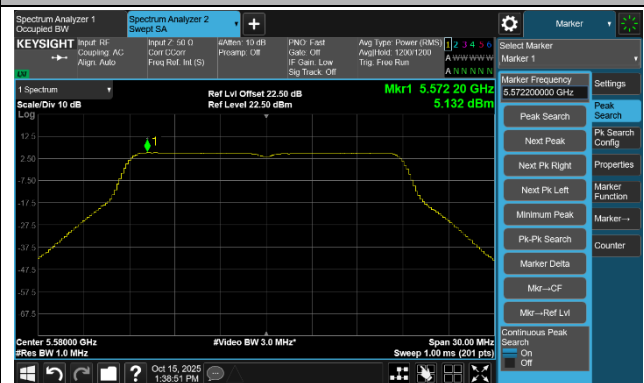


802.11ac-VHT20 Power Spectral Density - Ant 0

Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



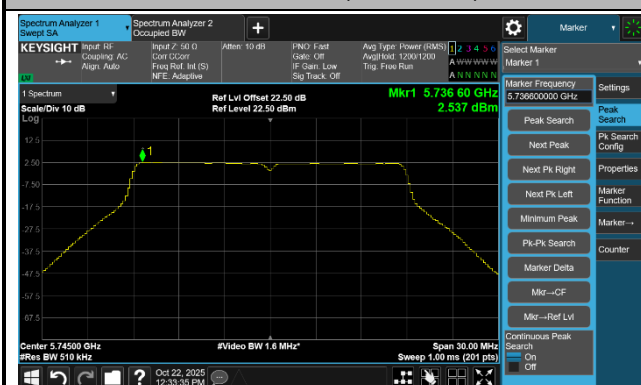
Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)

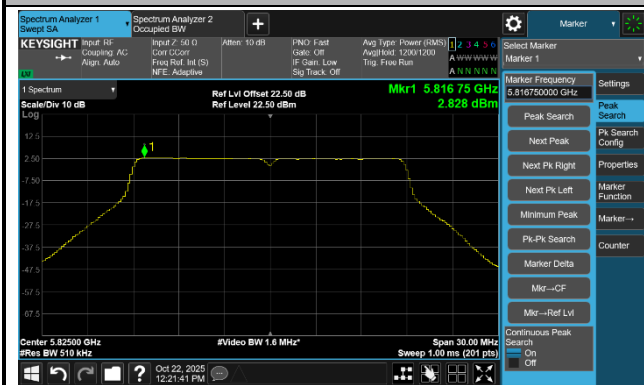


Channel 157 (5785 MHz)



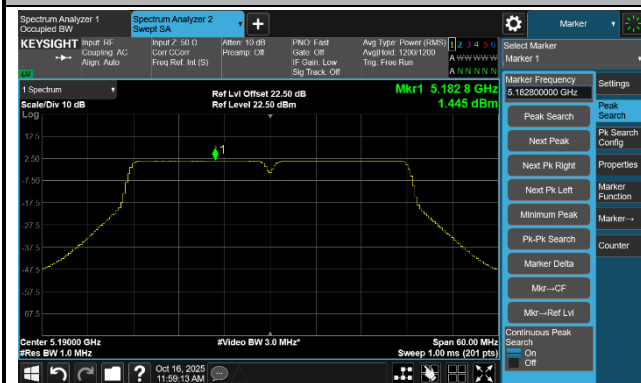
802.11ac-VHT20 Power Spectral Density - Ant 0

Channel 165 (5825 MHz)

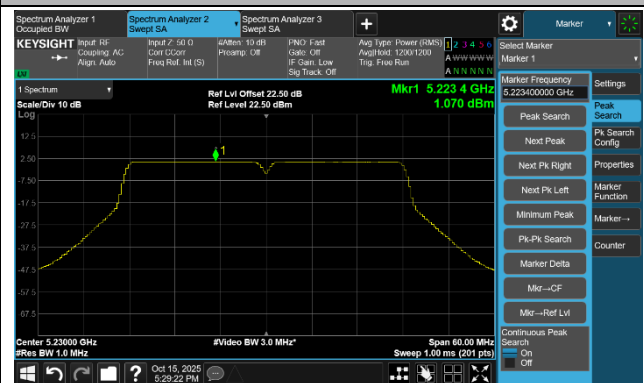


802.11ac-VHT40 Power Spectral Density - Ant 0

Channel 38 (5190 MHz)



Channel 46 (5230 MHz)



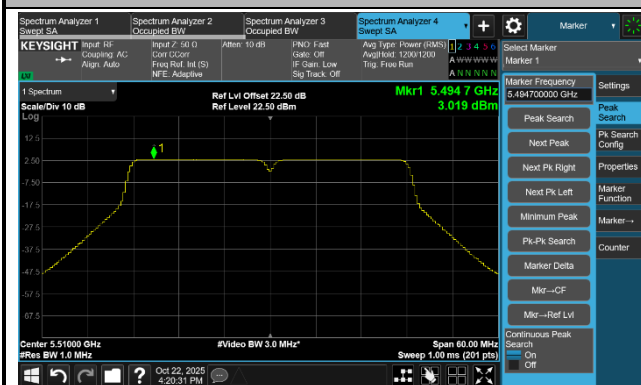
Channel 54 (5270 MHz)



Channel 62 (5310 MHz)



Channel 102 (5510 MHz)

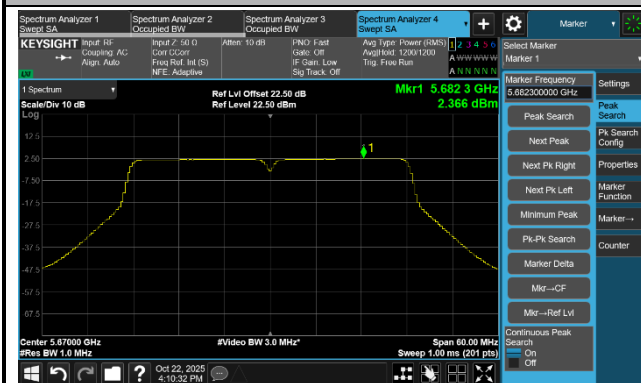


Channel 110 (5550 MHz)

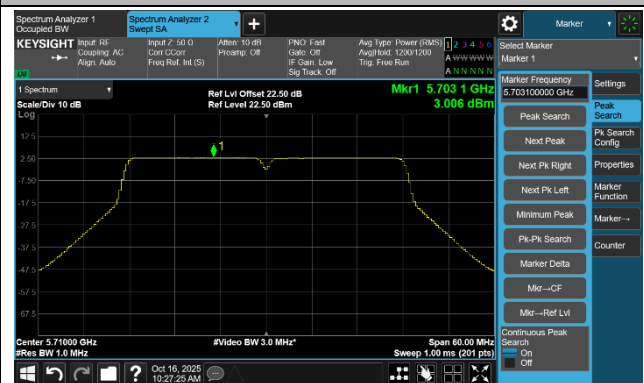


802.11ac-VHT40 Power Spectral Density - Ant 0

Channel 134 (5670 MHz)



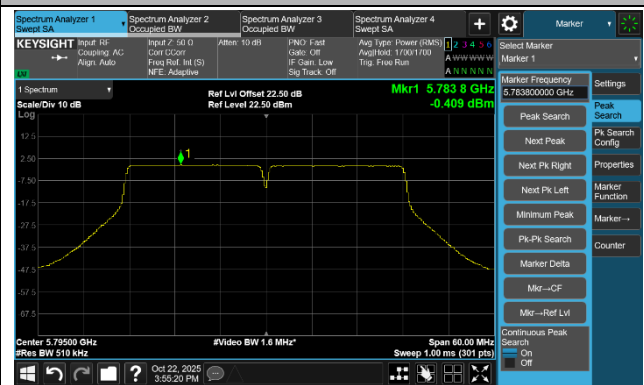
Channel 142(5710 MHz)



Channel 151 (5755 MHz)

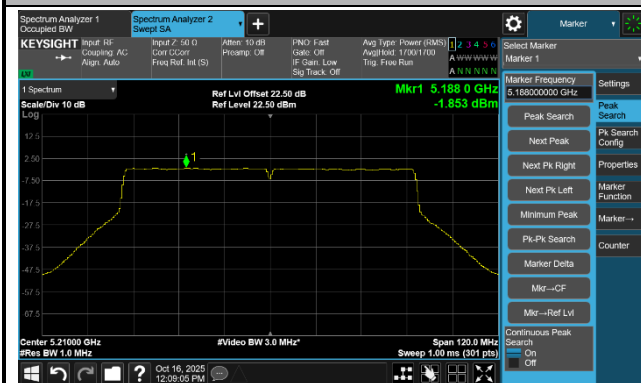


Channel 159 (5795 MHz)

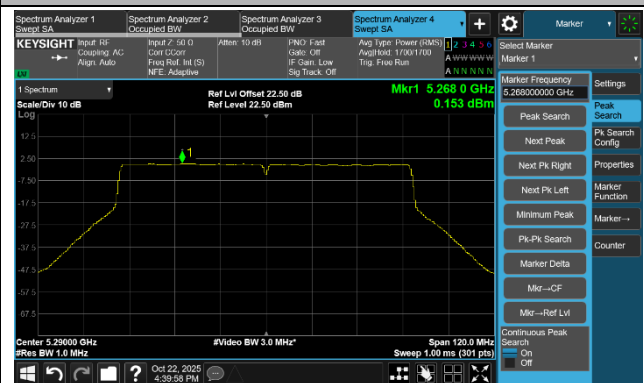


802.11ac-VHT80 Power Spectral Density - Ant 0

Channel 42 (5210 MHz)



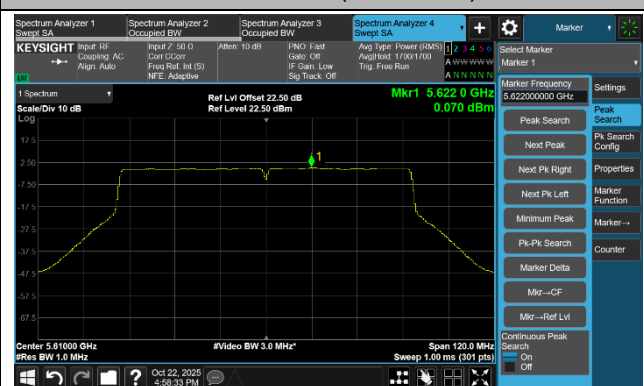
Channel 58 (5290 MHz)



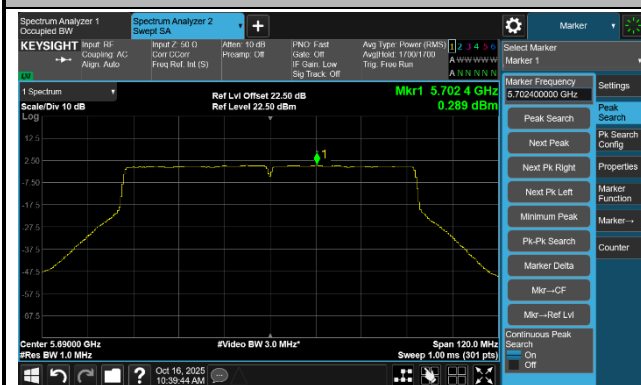
Channel 106 (5530 MHz)



Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

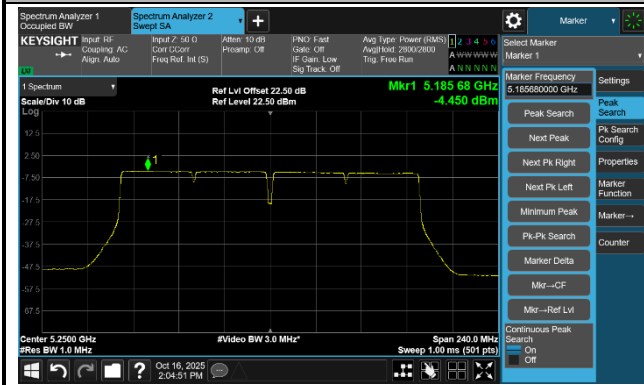


Channel 155 (5775 MHz)



802.11ac-VHT160 Power Spectral Density - Ant 0

Channel 50 (5250 MHz)

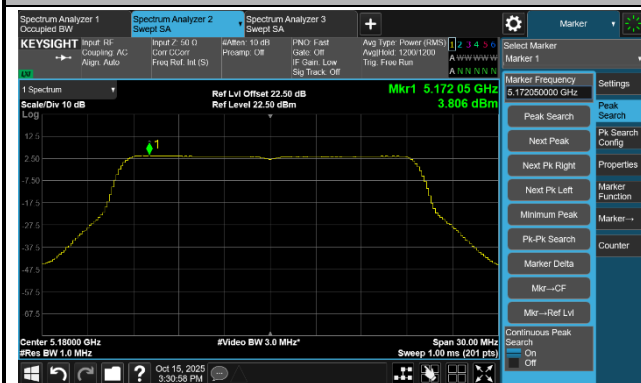


Channel 114 (5570 MHz)

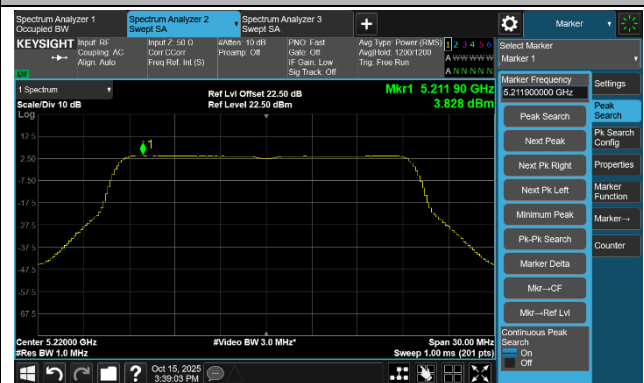


802.11be-EHT20 Power Spectral Density - Ant 0

Channel 36 (5180 MHz)



Channel 44 (5220 MHz)



Channel 48 (5240 MHz)



Channel 52 (5260 MHz)



Channel 60 (5300 MHz)



Channel 64 (5320 MHz)

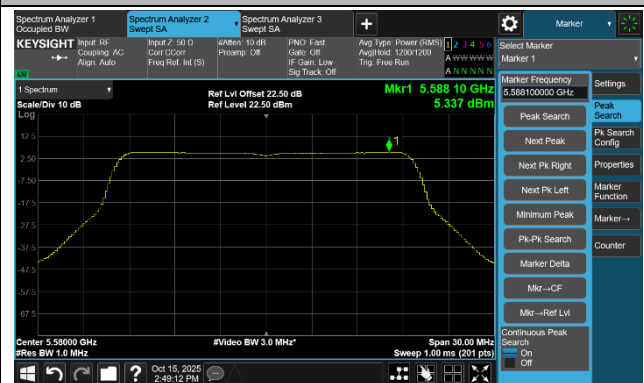


802.11be-EHT20 Power Spectral Density - Ant 0

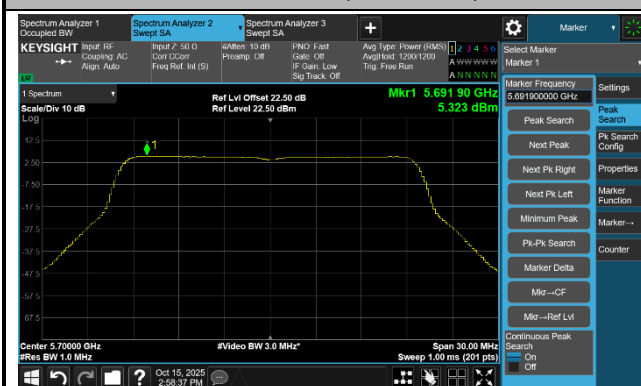
Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

