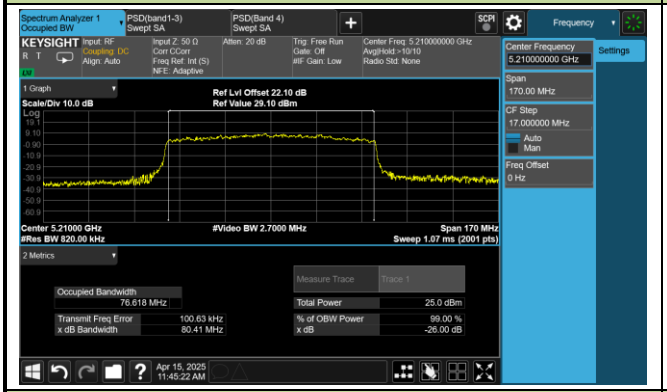
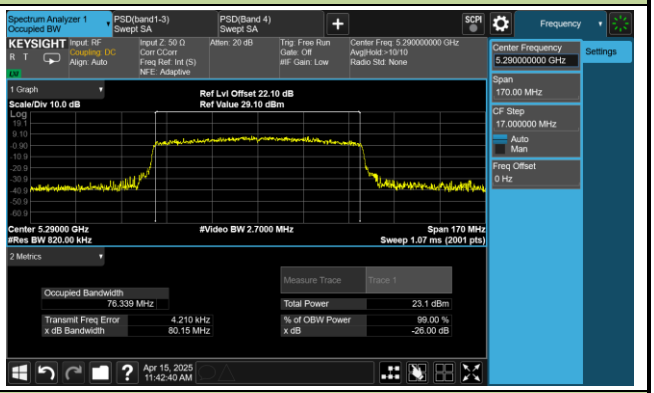
802.11ax-HE40 26dB Bandwidth & 99% Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)

802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

Channel 42 (5210MHz)

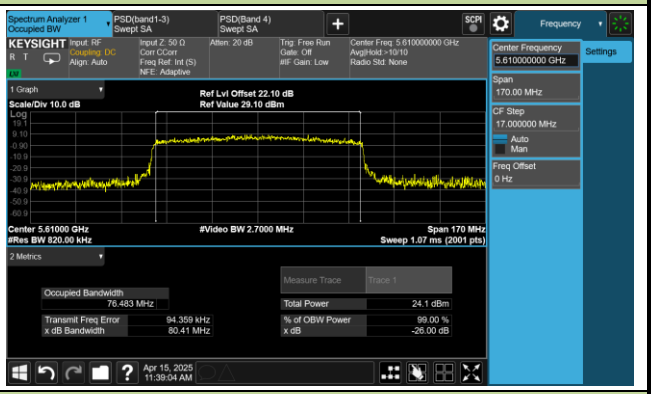


Channel 58 (5290MHz)

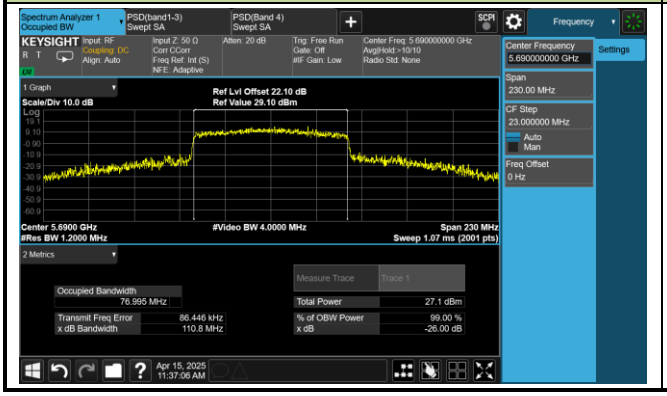


Channel 106 (5530MHz)

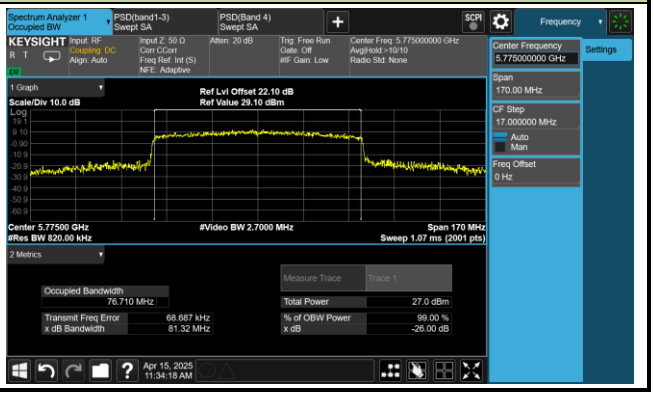
Channel 122 (5610MHz)



Channel 138 (5690MHz)



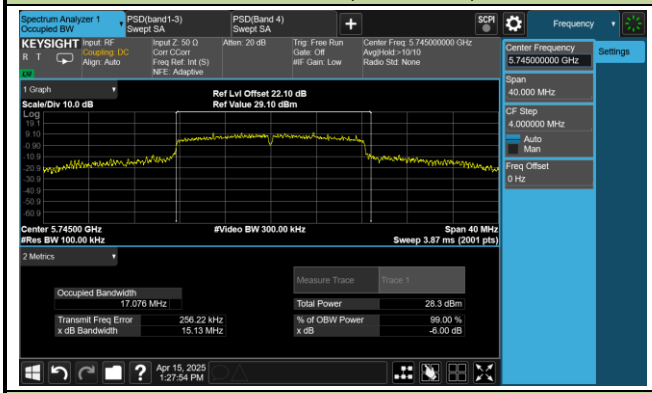
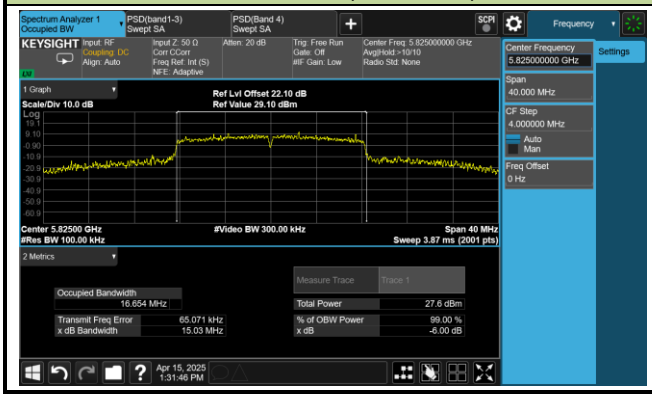
Channel 155 (5775MHz)



A.3 6dB Bandwidth Test Result

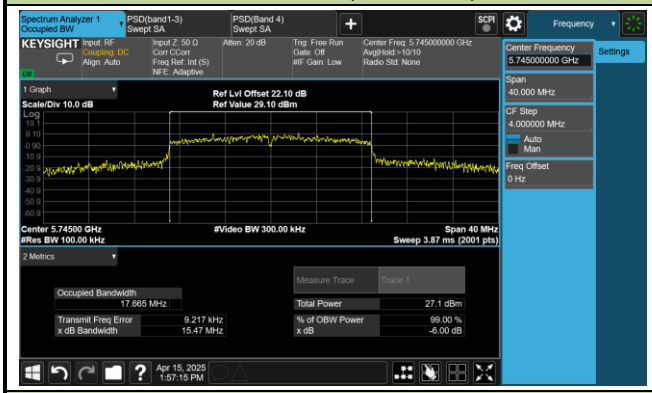
Test Site	WJ-SR3	Test Engineer	Jake Lan
Test Date	2025-04-15		

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	15.13	≥0.5
11a	6Mbps	157	5785	15.34	≥0.5
11a	6Mbps	165	5825	15.03	≥0.5
11ac-VHT20	MCS0	149	5745	15.47	≥0.5
11ac-VHT20	MCS0	157	5785	16.56	≥0.5
11ac-VHT20	MCS0	165	5825	15.13	≥0.5
11ac-VHT40	MCS0	151	5755	34.09	≥0.5
11ac-VHT40	MCS0	159	5795	32.60	≥0.5
11ac-VHT80	MCS0	155	5775	73.81	≥0.5
11ax-HE20	MCS0	149	5745	16.38	≥0.5
11ax-HE20	MCS0	157	5785	16.35	≥0.5
11ax-HE20	MCS0	165	5825	15.59	≥0.5
11ax-HE40	MCS0	151	5755	32.54	≥0.5
11ax-HE40	MCS0	159	5795	33.83	≥0.5
11ax-HE80	MCS0	155	5775	73.87	≥0.5

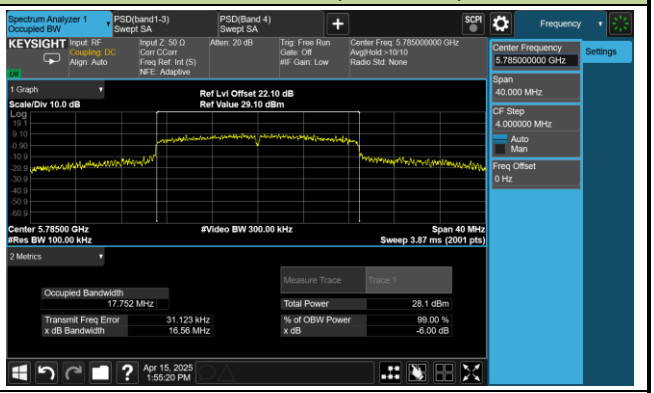
802.11a 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ac-VHT20 6dB Bandwidth

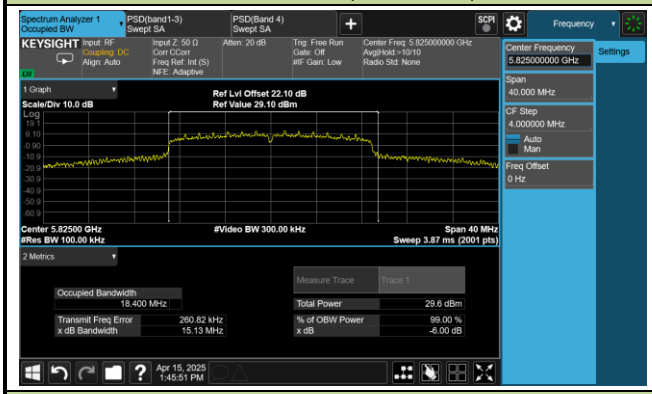
Channel 149 (5745MHz)



Channel 157 (5785MHz)

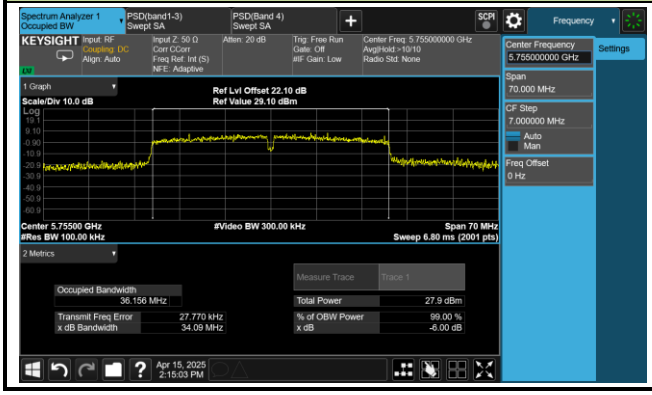


Channel 165 (5825MHz)

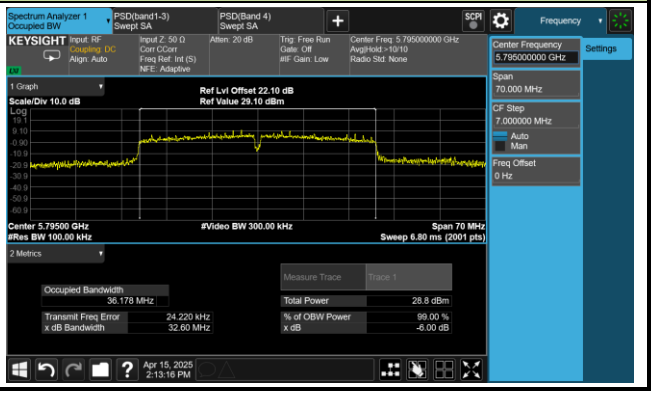


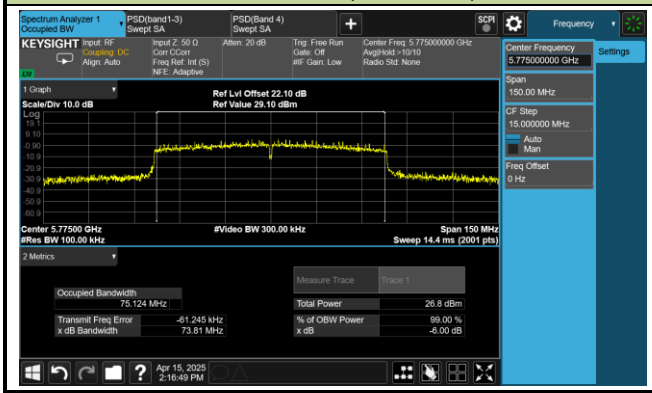
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



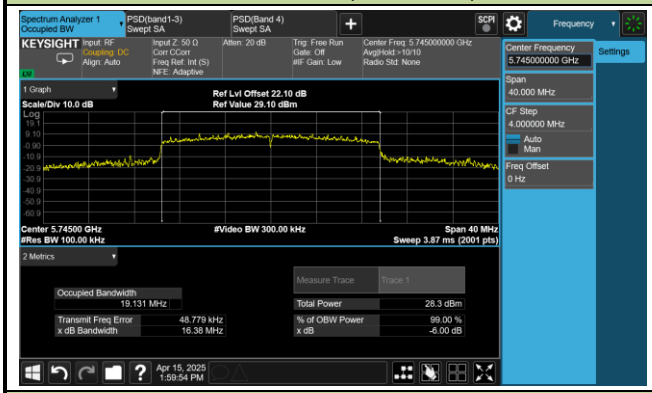
Channel 159 (5795MHz)



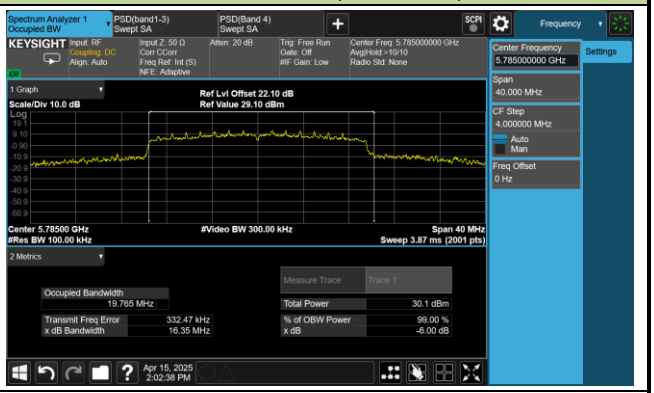
802.11ac-VHT80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

802.11ax-HE20 6dB Bandwidth

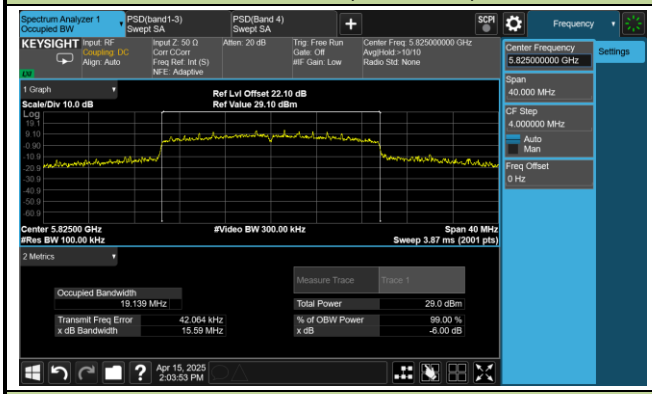
Channel 149 (5745MHz)



Channel 157 (5785MHz)

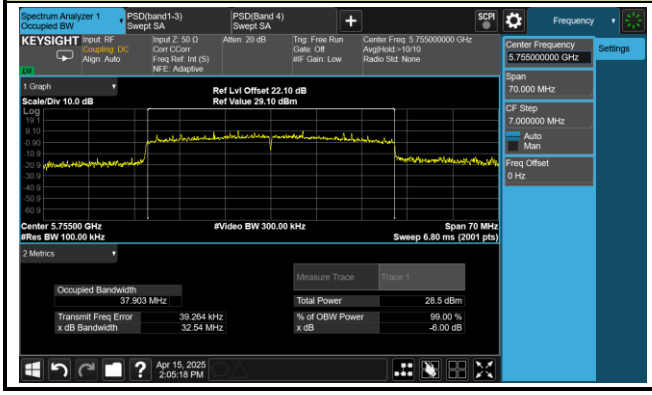


Channel 165 (5825MHz)

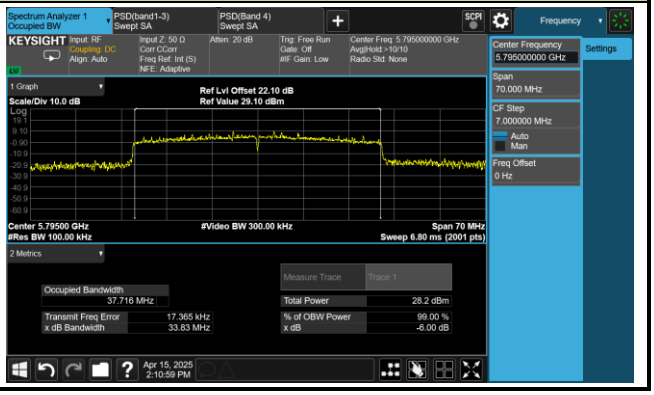


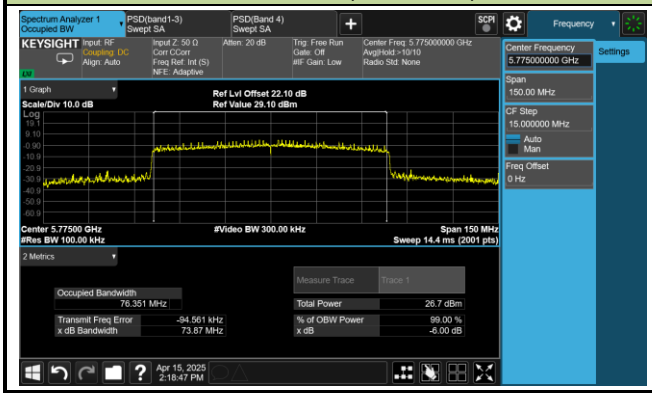
802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ax-HE80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

A.4 Output Power Test Result

Test Site	WJ-SR3	Test Engineer	Jake Lan
Test Date	2025-03-28 ~ 2025-04-10	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		
11a	6Mbps	36	5180	18.74	18.86	21.81	≤ 30.00
11a	6Mbps	44	5220	22.06	22.26	25.17	≤ 30.00
11a	6Mbps	48	5240	22.07	22.31	25.20	≤ 30.00
11a	6Mbps	52	5260	17.93	18.04	21.00	≤ 23.59
11a	6Mbps	60	5300	18.47	18.54	21.52	≤ 23.56
11a	6Mbps	64	5320	17.70	17.59	20.66	≤ 23.57
11a	6Mbps	100	5500	18.09	18.13	21.12	≤ 23.56
11a	6Mbps	116	5580	18.19	18.45	21.33	≤ 23.58
11a	6Mbps	140	5700	17.29	17.40	20.36	≤ 23.57
11a	6Mbps	144	5720	17.98	18.05	21.03	≤ 22.48
11a	6Mbps	149	5745	22.16	22.07	25.13	≤ 30.00
11a	6Mbps	157	5785	21.68	22.12	24.92	≤ 30.00
11a	6Mbps	165	5825	21.62	21.98	24.81	≤ 30.00
11ac-VHT20	MCS0	36	5180	18.12	18.43	21.29	≤ 30.00
11ac-VHT20	MCS0	44	5220	21.82	22.04	24.94	≤ 30.00
11ac-VHT20	MCS0	48	5240	21.82	22.06	24.95	≤ 30.00
11ac-VHT20	MCS0	52	5260	17.98	18.54	21.28	≤ 23.77
11ac-VHT20	MCS0	60	5300	18.36	18.39	21.39	≤ 23.75
11ac-VHT20	MCS0	64	5320	18.24	18.28	21.27	≤ 23.77
11ac-VHT20	MCS0	100	5500	17.98	18.66	21.34	≤ 23.77
11ac-VHT20	MCS0	116	5580	17.99	18.31	21.16	≤ 23.75
11ac-VHT20	MCS0	140	5700	17.30	17.70	20.51	≤ 23.71
11ac-VHT20	MCS0	144	5720	17.64	18.04	20.85	≤ 22.61
11ac-VHT20	MCS0	149	5745	21.79	21.86	24.84	≤ 30.00
11ac-VHT20	MCS0	157	5785	21.57	22.01	24.81	≤ 30.00
11ac-VHT20	MCS0	165	5825	21.64	22.13	24.90	≤ 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	17.66	17.79	20.74	≤ 30.00
11ac-VHT40	MCS0	46	5230	22.11	22.23	25.18	≤ 30.00
11ac-VHT40	MCS0	54	5270	20.95	20.73	23.85	≤ 23.98
11ac-VHT40	MCS0	62	5310	17.83	17.76	20.81	≤ 23.98
11ac-VHT40	MCS0	102	5510	18.02	17.94	20.99	≤ 23.98
11ac-VHT40	MCS0	110	5550	20.76	20.98	23.88	≤ 23.98
11ac-VHT40	MCS0	134	5670	18.72	18.79	21.77	≤ 23.98
11ac-VHT40	MCS0	142	5710	20.37	20.48	23.44	≤ 23.98
11ac-VHT40	MCS0	151	5755	22.31	22.08	25.21	≤ 30.00
11ac-VHT40	MCS0	159	5795	22.08	22.33	25.22	≤ 30.00
11ac-VHT80	MCS0	42	5210	16.08	16.46	19.28	≤ 30.00
11ac-VHT80	MCS0	58	5290	16.14	16.24	19.20	≤ 23.98
11ac-VHT80	MCS0	106	5530	16.18	16.32	19.26	≤ 23.98
11ac-VHT80	MCS0	122	5610	18.65	18.77	21.72	≤ 23.98
11ac-VHT80	MCS0	138	5690	20.87	20.91	23.90	≤ 23.98
11ac-VHT80	MCS0	155	5775	19.73	19.81	22.78	≤ 30.00
11ax-HE20	MCS0	36	5180	18.25	18.26	21.27	≤ 30.00
11ax-HE20	MCS0	44	5220	22.43	22.63	25.54	≤ 30.00
11ax-HE20	MCS0	48	5240	22.58	22.53	25.57	≤ 30.00
11ax-HE20	MCS0	52	5260	18.41	18.32	21.38	≤ 23.98
11ax-HE20	MCS0	60	5300	18.66	18.63	21.66	≤ 23.97
11ax-HE20	MCS0	64	5320	18.09	17.76	20.94	≤ 23.98
11ax-HE20	MCS0	100	5500	17.98	18.59	21.31	≤ 23.94
11ax-HE20	MCS0	116	5580	17.59	17.79	20.70	≤ 23.98
11ax-HE20	MCS0	140	5700	17.44	17.69	20.58	≤ 23.98
11ax-HE20	MCS0	144	5720	17.49	17.78	20.65	≤ 22.76
11ax-HE20	MCS0	149	5745	22.46	22.27	25.38	≤ 30.00
11ax-HE20	MCS0	157	5785	22.33	22.54	25.45	≤ 30.00
11ax-HE20	MCS0	165	5825	22.11	22.34	25.24	≤ 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	17.33	17.54	20.45	≤ 30.00
11ax-HE40	MCS0	46	5230	22.36	22.38	25.38	≤ 30.00
11ax-HE40	MCS0	54	5270	20.98	20.92	23.96	≤ 23.98
11ax-HE40	MCS0	62	5310	18.16	18.29	21.24	≤ 23.98
11ax-HE40	MCS0	102	5510	17.94	18.02	20.99	≤ 23.98
11ax-HE40	MCS0	110	5550	20.58	20.78	23.69	≤ 23.98
11ax-HE40	MCS0	134	5670	18.09	18.25	21.18	≤ 23.98
11ax-HE40	MCS0	142	5710	20.27	20.34	23.32	≤ 23.98
11ax-HE40	MCS0	151	5755	22.73	22.53	25.64	≤ 30.00
11ax-HE40	MCS0	159	5795	21.92	22.19	25.07	≤ 30.00
11ax-HE80	MCS0	42	5210	16.51	16.62	19.58	≤ 30.00
11ax-HE80	MCS0	58	5290	16.01	16.14	19.09	≤ 23.98
11ax-HE80	MCS0	106	5530	15.10	15.32	18.22	≤ 23.98
11ax-HE80	MCS0	122	5610	17.49	17.39	20.45	≤ 23.98
11ax-HE80	MCS0	138	5690	20.52	20.92	23.73	≤ 23.98
11ax-HE80	MCS0	155	5775	20.00	19.86	22.94	≤ 30.00

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

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

A.5 Power Spectral Density Test Result

Test Site	WJ-SR3	Test Engineer	Jake Lan
Test Date	2025-03-29 ~ 2025-04-09		
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	8.091	8.299	92.83	11.530	≤ 16.92
11a	6Mbps	44	5220	11.654	11.890	92.83	15.107	≤ 16.92
11a	6Mbps	48	5240	11.723	11.695	92.83	15.042	≤ 16.92
11a	6Mbps	52	5260	7.536	7.363	92.83	10.784	≤ 10.99
11a	6Mbps	60	5300	7.557	7.598	92.83	10.911	≤ 10.99
11a	6Mbps	64	5320	7.368	7.412	92.83	10.723	≤ 10.99
11a	6Mbps	100	5500	7.647	7.611	92.83	10.962	≤ 11.00
11a	6Mbps	116	5580	7.533	7.505	92.83	10.852	≤ 11.00
11a	6Mbps	140	5700	6.791	6.973	92.83	10.216	≤ 11.00
11a	6Mbps	144	5720	7.440	7.688	92.83	10.899	≤ 11.00
11ac-VHT20	MCS0	36	5180	7.257	7.577	92.45	10.771	≤ 16.92
11ac-VHT20	MCS0	44	5220	10.946	11.477	92.45	14.571	≤ 16.92
11ac-VHT20	MCS0	48	5240	10.925	10.943	92.45	14.285	≤ 16.92
11ac-VHT20	MCS0	52	5260	7.217	7.519	92.45	10.722	≤ 10.99
11ac-VHT20	MCS0	60	5300	7.209	7.670	92.45	10.797	≤ 10.99
11ac-VHT20	MCS0	64	5320	7.743	7.443	92.45	10.947	≤ 10.99
11ac-VHT20	MCS0	100	5500	7.509	7.389	92.45	10.801	≤ 11.00
11ac-VHT20	MCS0	116	5580	7.311	7.472	92.45	10.743	≤ 11.00
11ac-VHT20	MCS0	140	5700	6.506	7.098	92.45	10.163	≤ 11.00
11ac-VHT20	MCS0	144	5720	7.267	7.560	92.45	10.767	≤ 11.00
11ac-VHT40	MCS0	38	5190	4.198	4.127	85.92	7.832	≤ 16.92
11ac-VHT40	MCS0	46	5230	8.376	8.410	85.92	12.062	≤ 16.92
11ac-VHT40	MCS0	54	5270	6.994	6.817	85.92	10.576	≤ 10.99
11ac-VHT40	MCS0	62	5310	3.803	3.478	85.92	7.313	≤ 10.99
11ac-VHT40	MCS0	102	5510	3.624	3.491	85.92	7.227	≤ 11.00
11ac-VHT40	MCS0	110	5550	6.758	7.042	85.92	10.572	≤ 11.00
11ac-VHT40	MCS0	134	5670	5.025	5.340	85.92	8.855	≤ 11.00
11ac-VHT40	MCS0	142	5710	7.118	7.205	85.92	10.831	≤ 11.00

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	-0.330	-0.335	75.19	3.916	≤ 16.92
11ac-VHT80	MCS0	58	5290	-1.125	-1.140	75.19	3.116	≤ 10.99
11ac-VHT80	MCS0	106	5530	-0.856	-0.594	75.19	3.526	≤ 11.00
11ac-VHT80	MCS0	122	5610	1.754	2.056	75.19	6.156	≤ 11.00
11ac-VHT80	MCS0	138	5690	4.717	5.133	75.19	9.179	≤ 11.00
11ax-HE20	MCS0	36	5180	7.455	7.544	90.46	10.945	≤ 16.92
11ax-HE20	MCS0	44	5220	11.139	11.514	90.46	14.776	≤ 16.92
11ax-HE20	MCS0	48	5240	11.444	11.371	90.46	14.853	≤ 16.92
11ax-HE20	MCS0	52	5260	7.430	7.384	90.46	10.853	≤ 10.99
11ax-HE20	MCS0	60	5300	7.456	7.419	90.46	10.883	≤ 10.99
11ax-HE20	MCS0	64	5320	7.270	7.421	90.46	10.792	≤ 10.99
11ax-HE20	MCS0	100	5500	7.354	7.306	90.46	10.776	≤ 11.00
11ax-HE20	MCS0	116	5580	7.287	7.430	90.46	10.805	≤ 11.00
11ax-HE20	MCS0	140	5700	6.392	6.735	90.46	10.013	≤ 11.00
11ax-HE20	MCS0	144	5720	7.266	7.395	90.46	10.777	≤ 11.00
11ax-HE40	MCS0	38	5190	3.779	3.576	83.33	7.481	≤ 16.92
11ax-HE40	MCS0	46	5230	8.304	8.594	83.33	12.254	≤ 16.92
11ax-HE40	MCS0	54	5270	7.064	6.808	83.33	10.740	≤ 10.99
11ax-HE40	MCS0	62	5310	3.905	3.804	83.33	7.657	≤ 10.99
11ax-HE40	MCS0	102	5510	3.248	3.193	83.33	7.023	≤ 11.00
11ax-HE40	MCS0	110	5550	6.563	6.703	83.33	10.436	≤ 11.00
11ax-HE40	MCS0	134	5670	4.175	4.292	83.33	8.036	≤ 11.00
11ax-HE40	MCS0	142	5710	6.943	6.963	83.33	10.755	≤ 11.00
11ax-HE80	MCS0	42	5210	-0.333	-0.216	73.01	4.102	≤ 16.92
11ax-HE80	MCS0	58	5290	-1.457	-1.655	73.01	2.822	≤ 10.99
11ax-HE80	MCS0	106	5530	-2.500	-2.343	73.01	1.956	≤ 11.00
11ax-HE80	MCS0	122	5610	-0.007	0.108	73.01	4.427	≤ 11.00
11ax-HE80	MCS0	138	5690	3.854	4.045	73.01	8.327	≤ 11.00

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

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

Note 2:

For 5125 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (6.08 - 6) = 16.92 dBm/MHz

For 5250 - 5350MHz Band: PSD Limit (dBm/MHz) = 11 - (6.01 - 6) = 10.99 dBm/MHz.

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 dBm/MHz.

Test Site	WJ-SR3	Test Engineer	Jake Lan
Test Date	2025-03-29 ~ 2025-04-09		
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	8.730	8.837	92.83	12.117	≤ 29.07
11a	6Mbps	157	5785	8.488	8.795	92.83	11.978	≤ 29.07
11a	6Mbps	165	5825	8.261	8.491	92.83	11.711	≤ 29.07
11ac-VHT20	MCS0	149	5745	8.168	8.294	92.45	11.583	≤ 29.07
11ac-VHT20	MCS0	157	5785	7.990	8.487	92.45	11.597	≤ 29.07
11ac-VHT20	MCS0	165	5825	7.991	8.342	92.45	11.521	≤ 29.07
11ac-VHT40	MCS0	151	5755	6.206	5.934	85.92	9.741	≤ 29.07
11ac-VHT40	MCS0	159	5795	5.932	6.238	85.92	9.757	≤ 29.07
11ac-VHT80	MCS0	155	5775	1.220	0.869	75.19	5.297	≤ 29.07
11ax-HE20	MCS0	149	5745	8.403	8.567	90.46	11.932	≤ 29.07
11ax-HE20	MCS0	157	5785	8.456	8.714	90.46	12.033	≤ 29.07
11ax-HE20	MCS0	165	5825	8.085	8.428	90.46	11.706	≤ 29.07
11ax-HE40	MCS0	151	5755	6.352	6.508	83.33	10.233	≤ 29.07
11ax-HE40	MCS0	159	5795	5.635	5.739	83.33	9.490	≤ 29.07
11ax-HE80	MCS0	155	5775	0.601	0.621	73.01	4.987	≤ 29.07

Note 1:

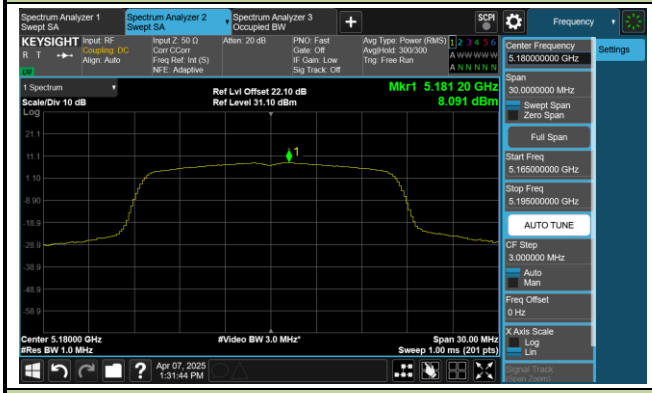
When EUT duty cycle < 98%, the total PSD (dBm/510kHz) =10*log {$10^{(\text{Ant 0 AVGPSD}/10)}$ + $10^{(\text{Ant 1 AVGPSD}/10)}$} +10*log (1/Duty cycle).

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

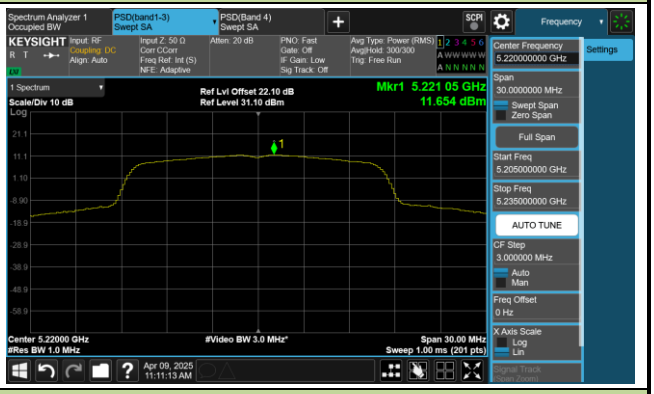
Note 2: PSD Limit (dBm/500kHz) = 30 - (6.93 - 6) = 29.07dBm/500kHz.

802.11a Power Spectral Density- Ant 0

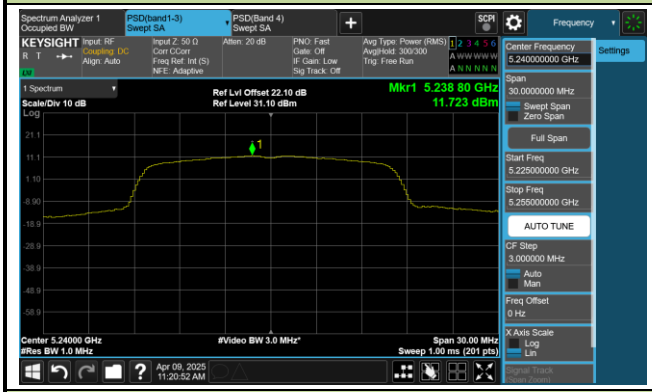
Channel 36 (5180MHz)



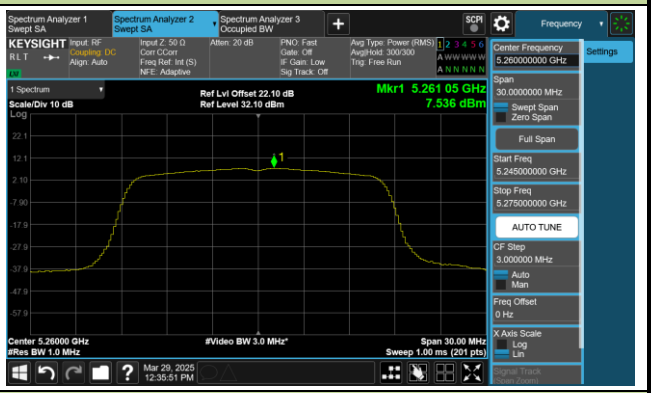
Channel 44 (5220MHz)



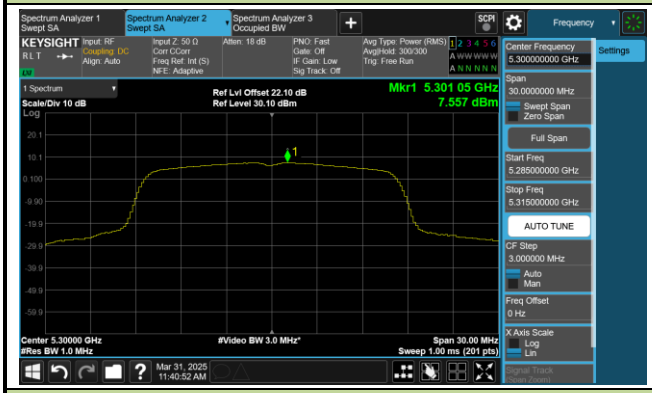
Channel 48 (5240MHz)



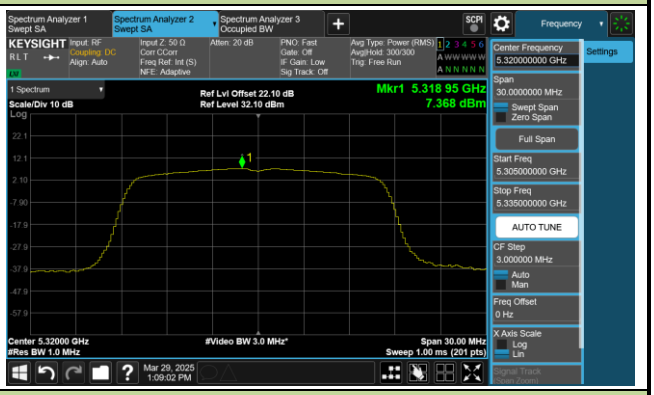
Channel 52 (5260MHz)



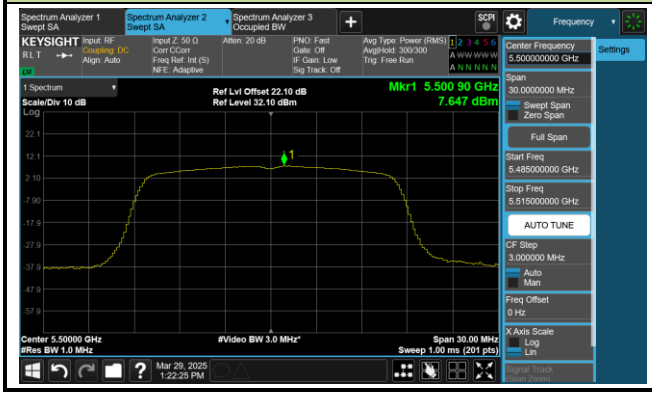
Channel 60 (5300MHz)



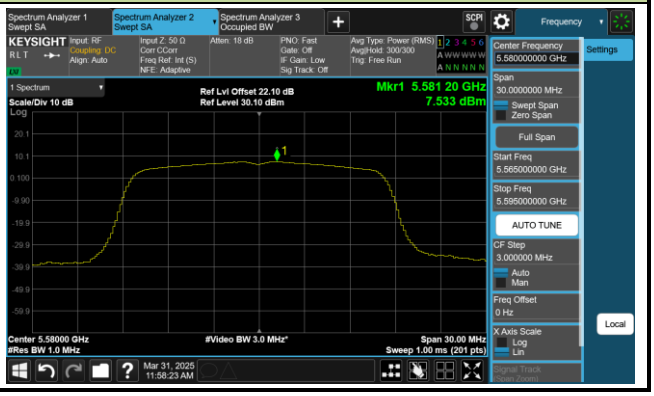
Channel 64 (5320MHz)

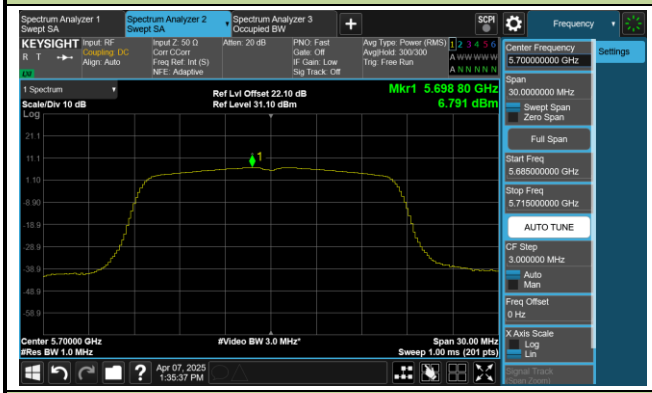
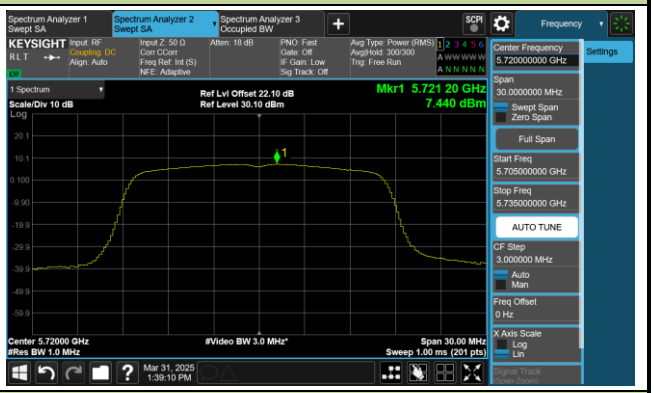
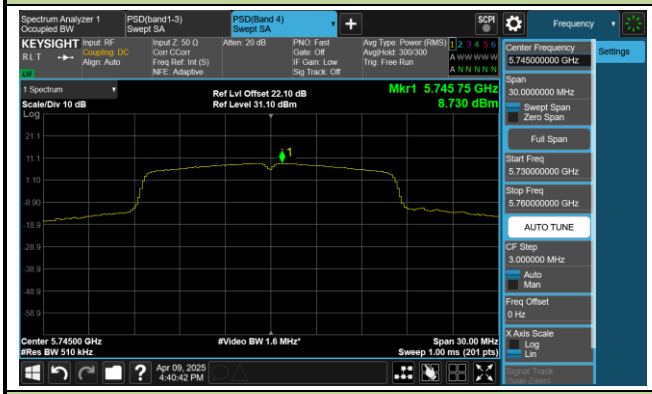
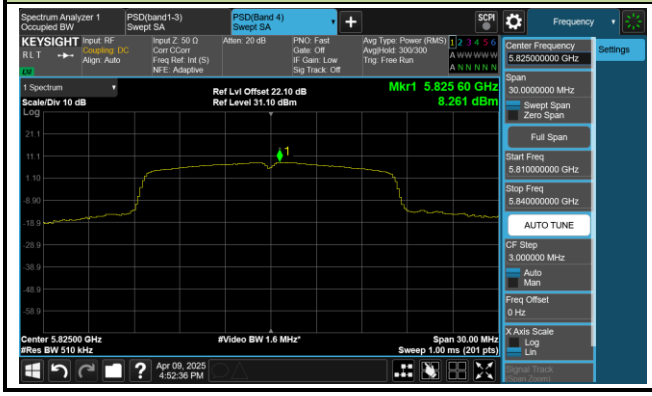


Channel 100 (5500MHz)



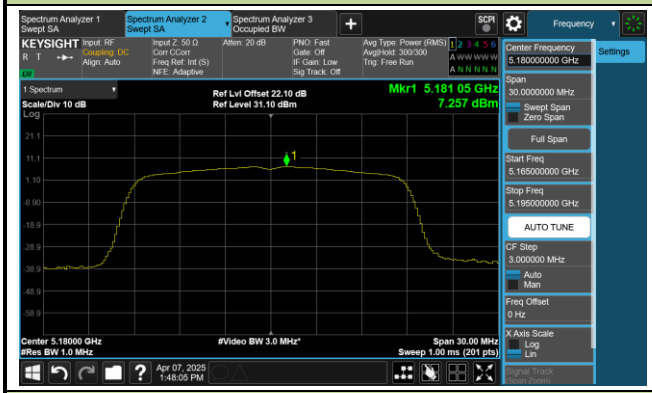
Channel 116 (5580MHz)



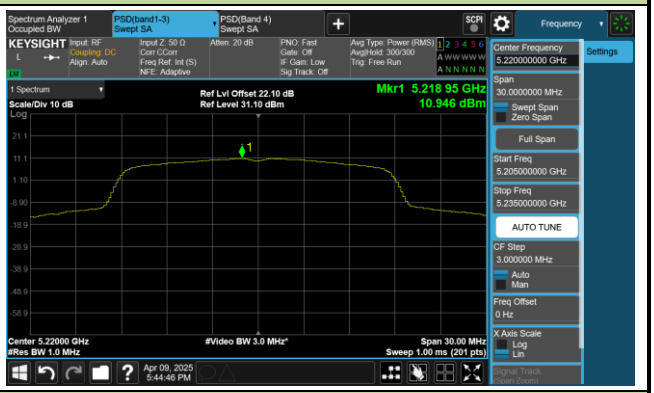
802.11a Power Spectral Density- Ant 0	
Channel 140 (5700MHz)	Channel 144(5720MHz)
	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ac-VHT20 Power Spectral Density- Ant 0

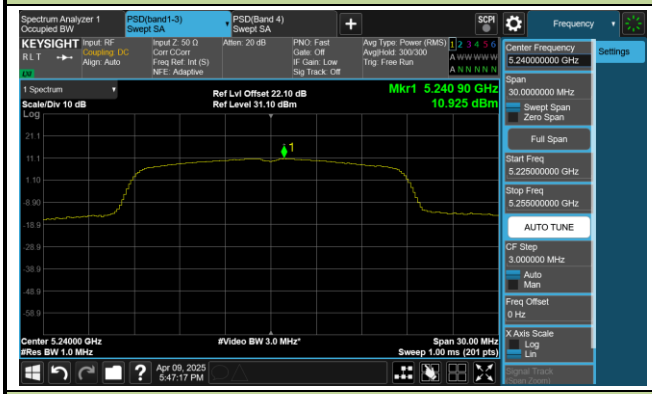
Channel 36 (5180MHz)



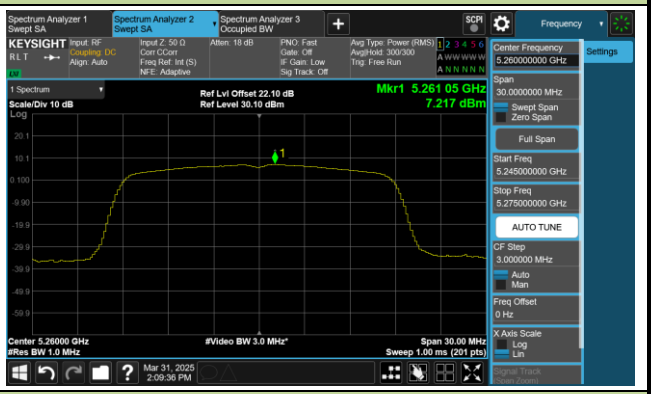
Channel 44 (5220MHz)



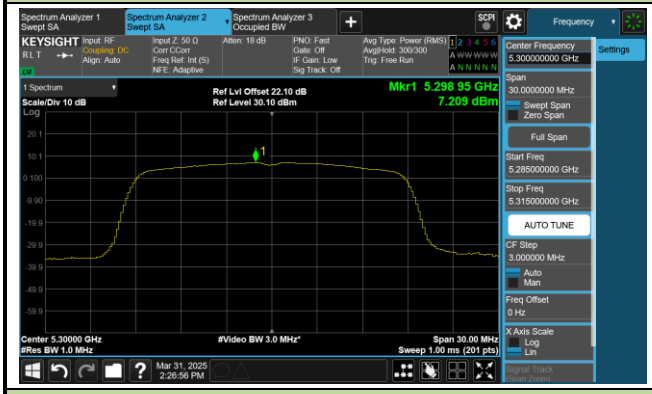
Channel 48 (5240MHz)



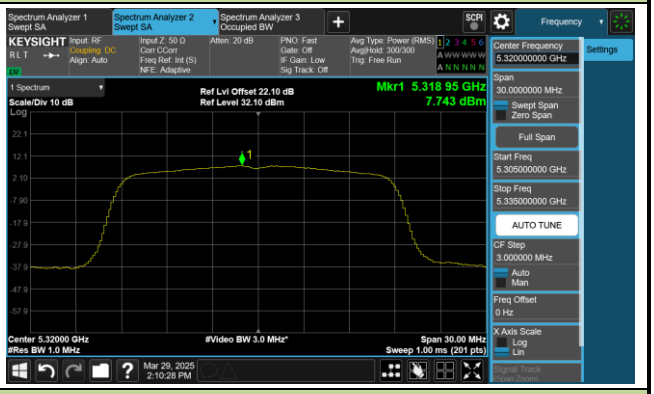
Channel 52 (5260MHz)



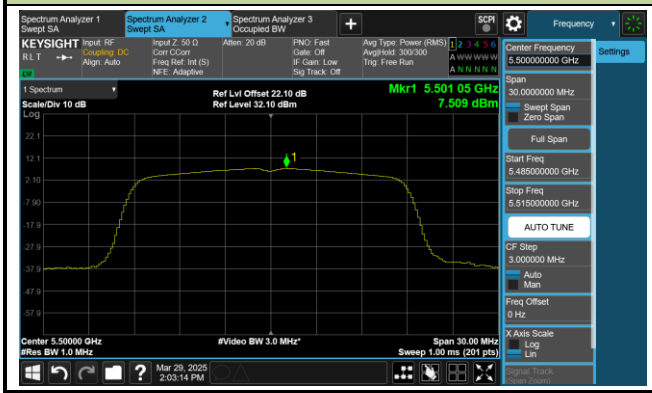
Channel 60 (5300MHz)



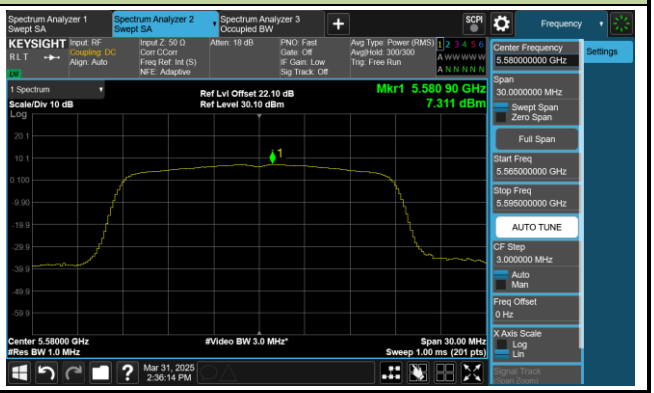
Channel 64 (5320MHz)

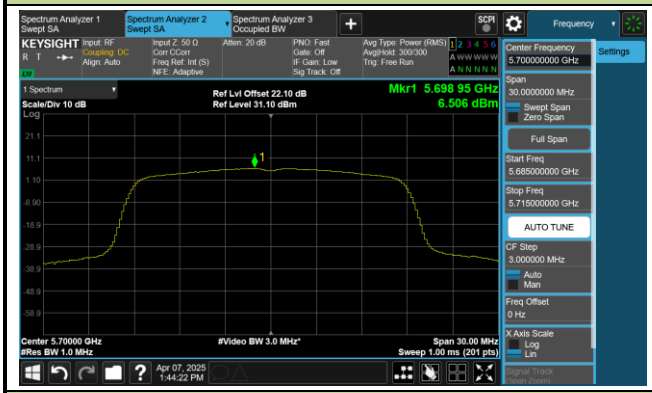
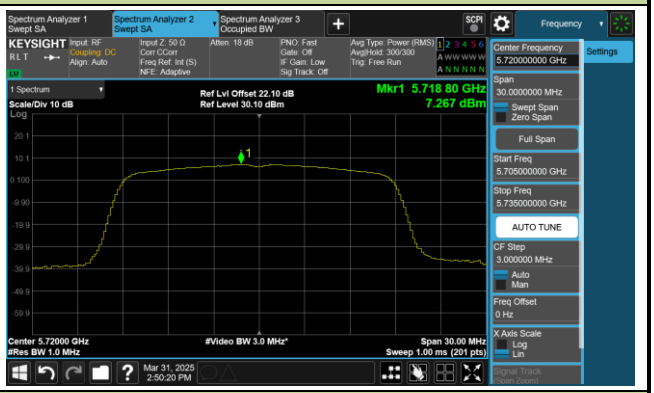
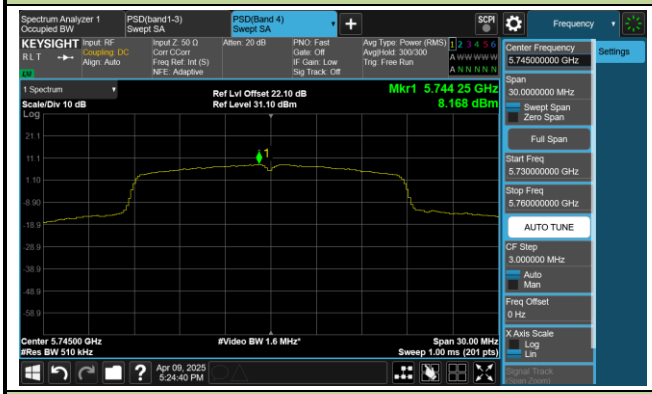
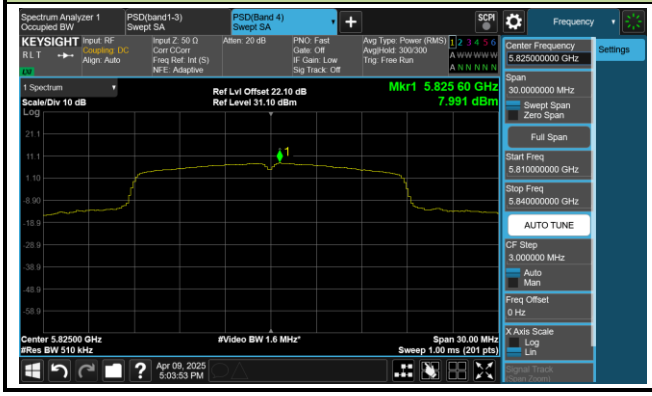


Channel 100 (5500MHz)



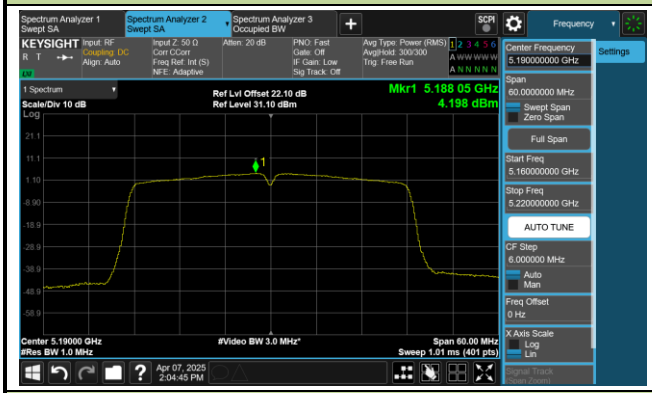
Channel 116 (5580MHz)



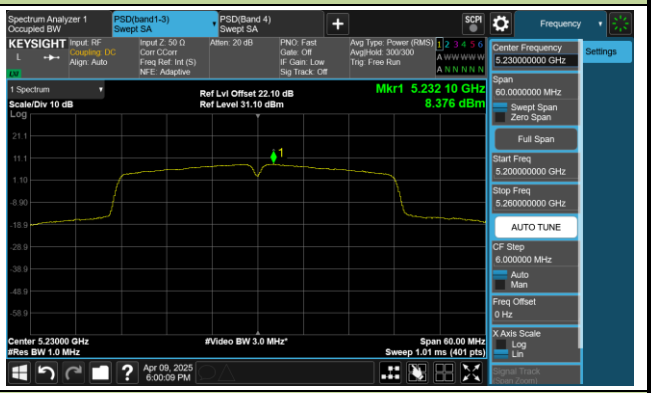
802.11ac-VHT20 Power Spectral Density- Ant 0	
Channel 140 (5700MHz)	Channel 144(5720MHz)
	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ac-VHT40 Power Spectral Density- Ant 0

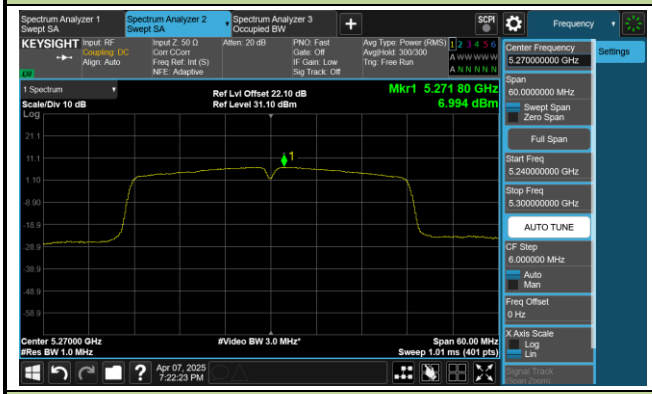
Channel 38 (5190MHz)



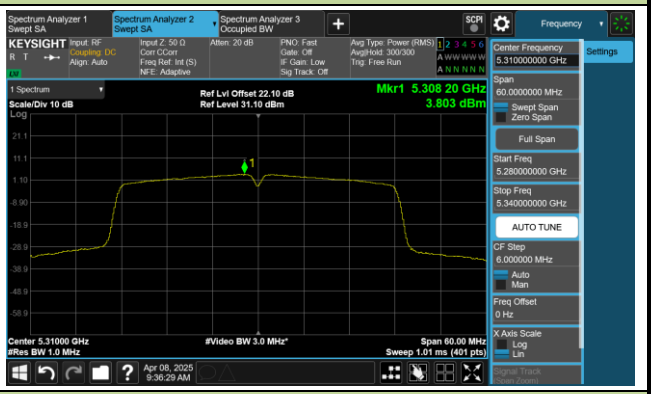
Channel 46 (5230MHz)



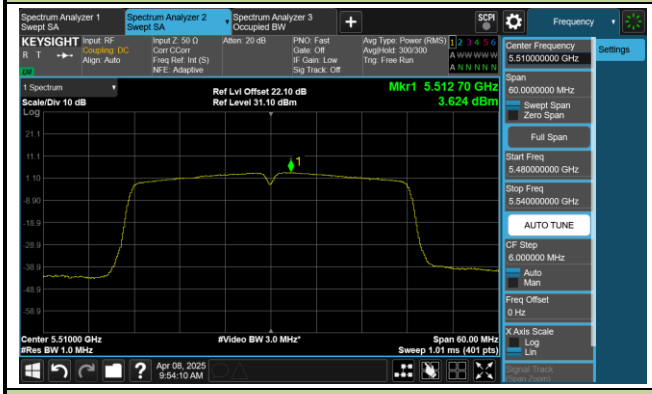
Channel 54 (5270MHz)



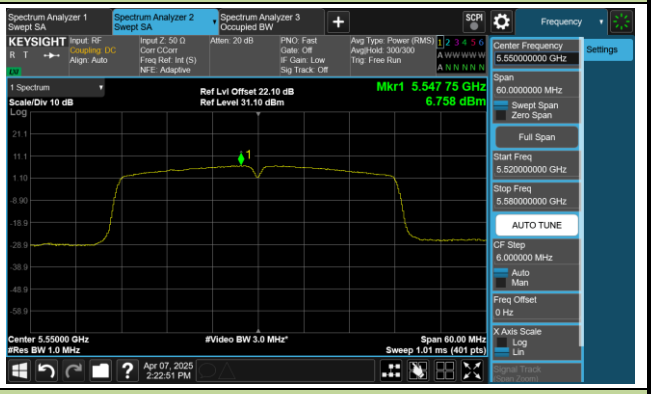
Channel 62 (5310MHz)



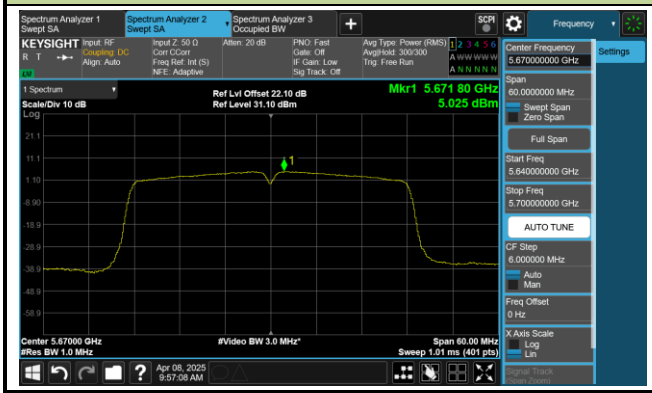
Channel 102 (5510MHz)



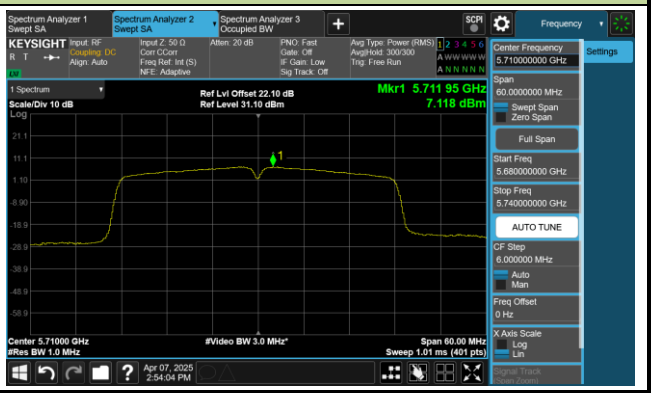
Channel 110 (5550MHz)

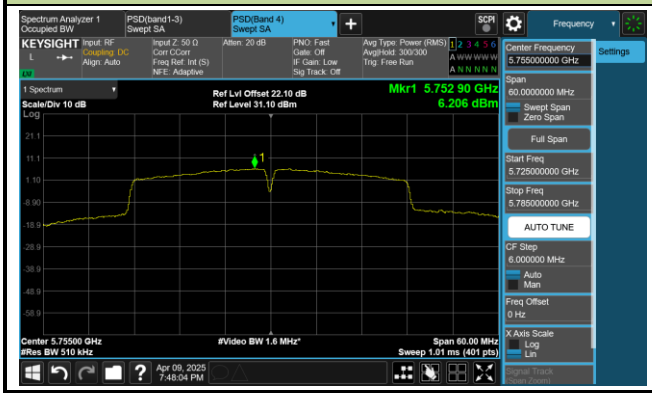
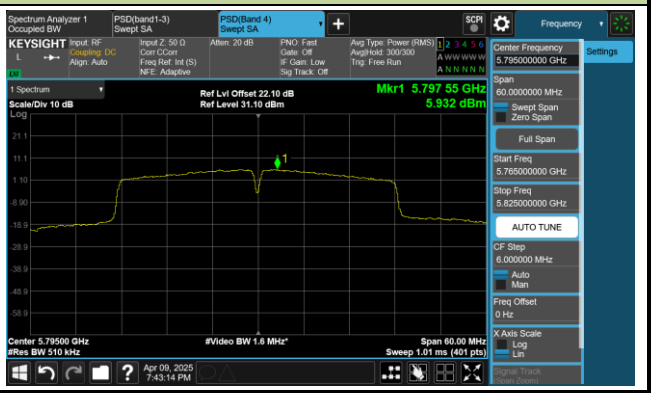


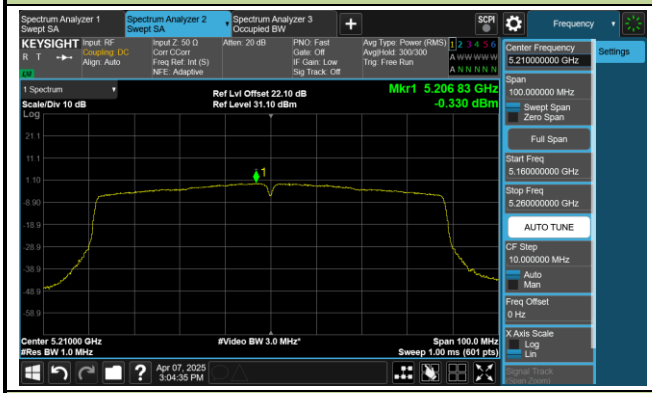
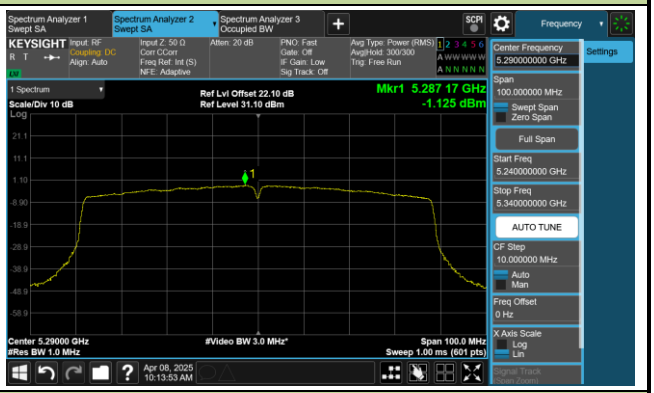
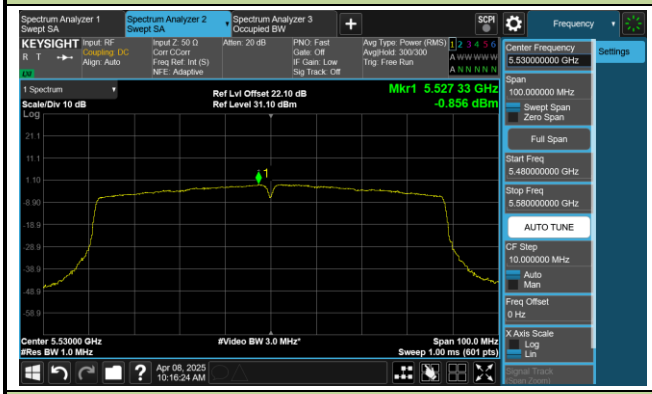
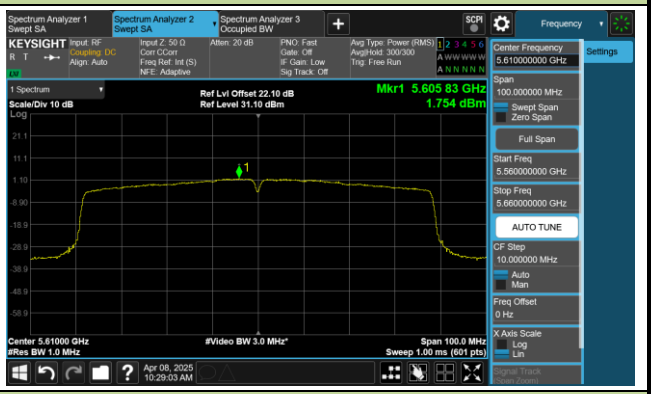
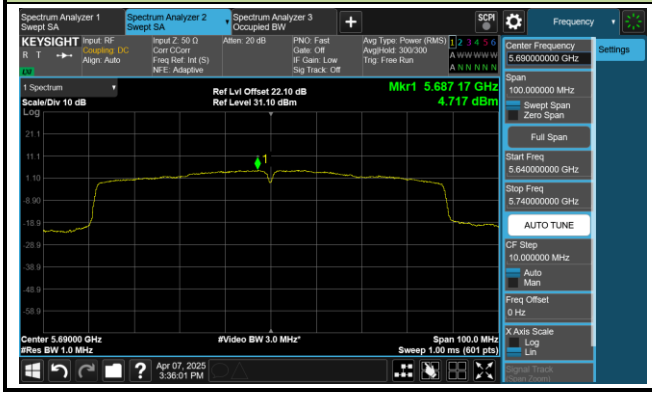
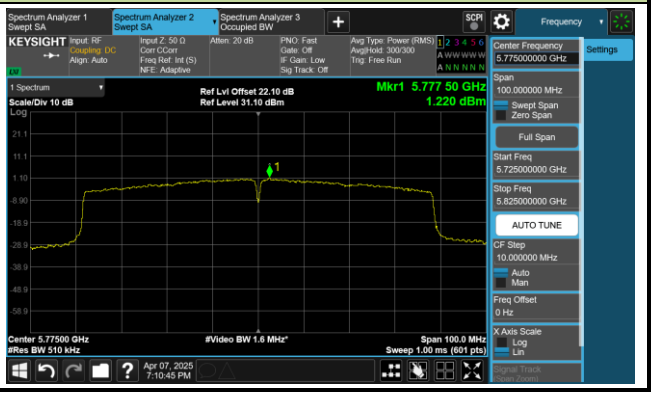
Channel 134 (5670MHz)



Channel 142(5710MHz)



802.11ac-VHT40 Power Spectral Density- Ant 0	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 Power Spectral Density- Ant 0	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)