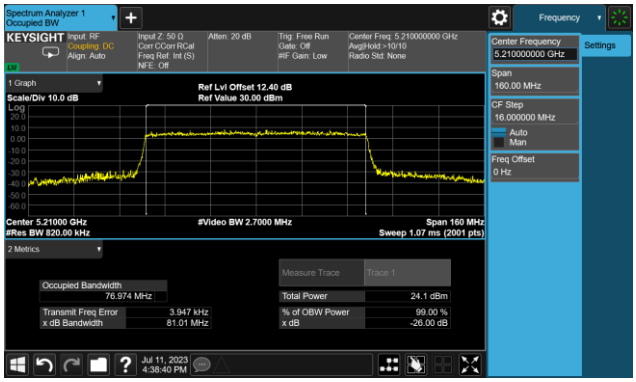
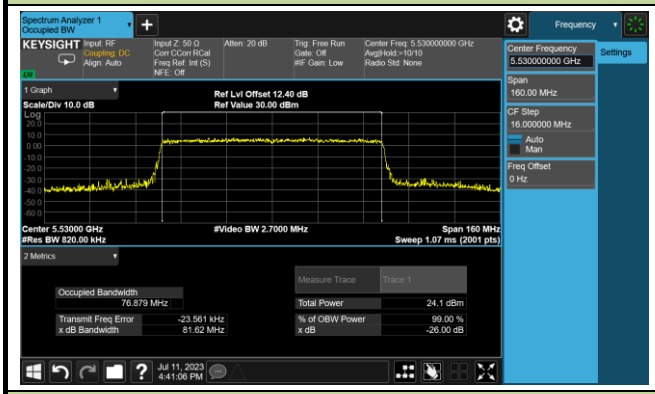
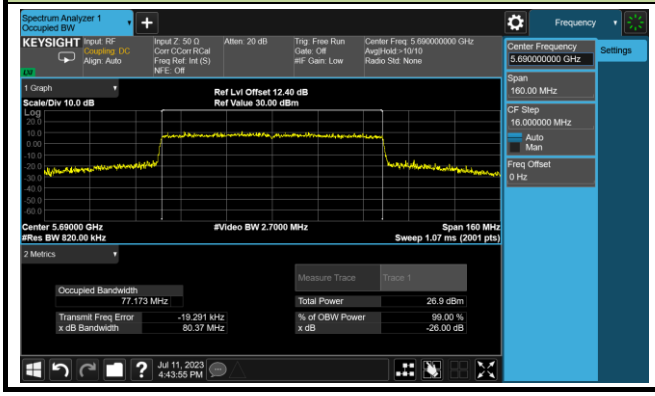
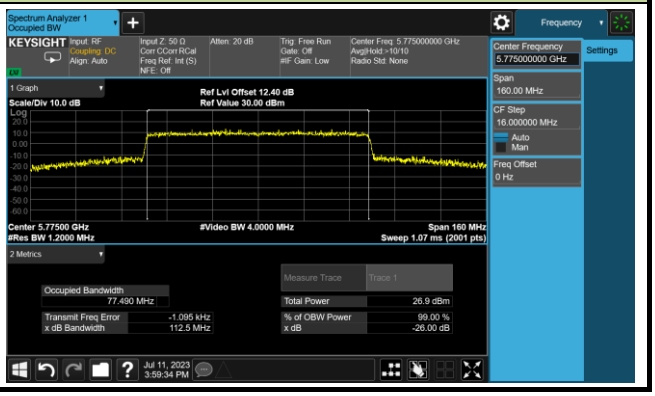
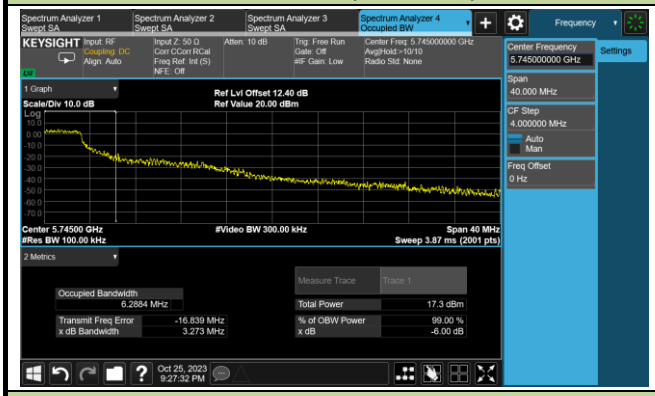
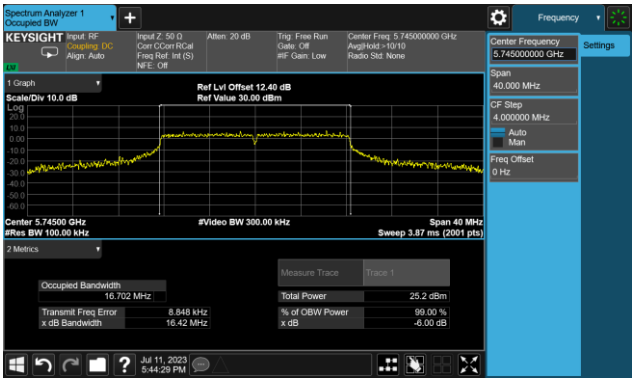
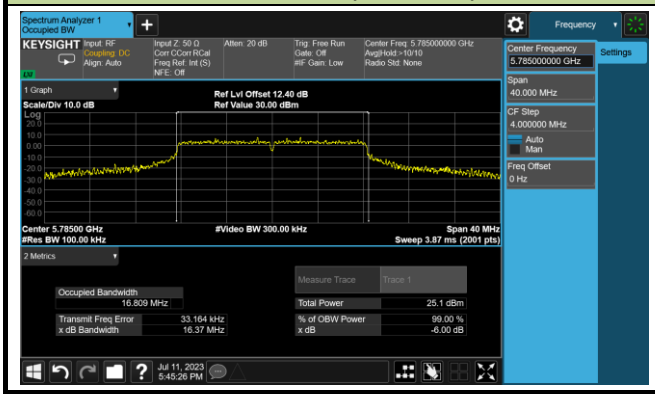
802.11ax-HE80 26dB & 99% Bandwidth	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

A.3 6dB Bandwidth Test Result

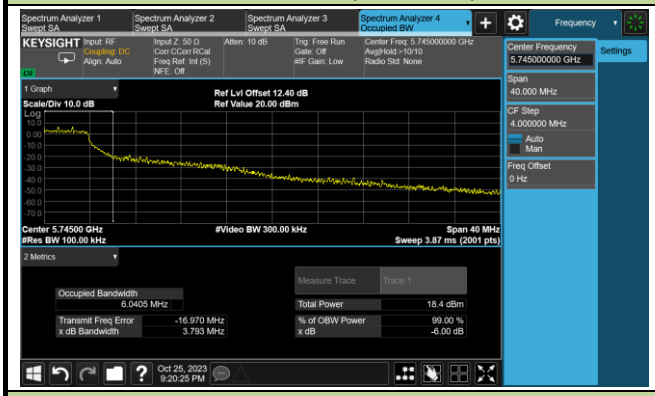
Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2023-07-11, 2023-10-25		

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	144	5720	3.273	≥0.5
11a	6Mbps	149	5745	16.42	≥0.5
11a	6Mbps	157	5785	16.37	≥0.5
11a	6Mbps	165	5825	16.44	≥0.5
11ac-VHT20	MCS0	144	5720	3.793	≥0.5
11ac-VHT20	MCS0	149	5745	17.63	≥0.5
11ac-VHT20	MCS0	157	5785	17.64	≥0.5
11ac-VHT20	MCS0	165	5825	17.64	≥0.5
11ac-VHT40	MCS0	142	5710	3.171	≥0.5
11ac-VHT40	MCS0	151	5755	36.38	≥0.5
11ac-VHT40	MCS0	159	5795	36.36	≥0.5
11ac-VHT80	MCS0	138	5690	3.168	≥0.5
11ac-VHT80	MCS0	155	5775	76.34	≥0.5
11ax-HE20	MCS0	144	5720	4.535	≥0.5
11ax-HE20	MCS0	149	5745	18.94	≥0.5
11ax-HE20	MCS0	157	5785	19.02	≥0.5
11ax-HE20	MCS0	165	5825	19.02	≥0.5
11ax-HE40	MCS0	142	5710	3.978	≥0.5
11ax-HE40	MCS0	151	5755	37.60	≥0.5
11ax-HE40	MCS0	159	5795	37.17	≥0.5
11ax-HE80	MCS0	138	5690	4.042	≥0.5
11ax-HE80	MCS0	155	5775	77.37	≥0.5

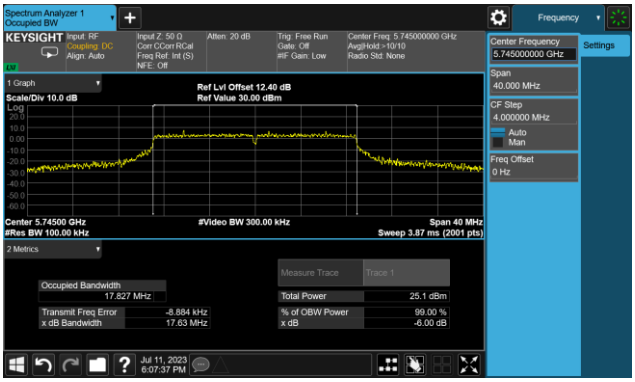
802.11a 6dB Bandwidth	
Channel 144 (5720MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11ac-VHT20 6dB Bandwidth

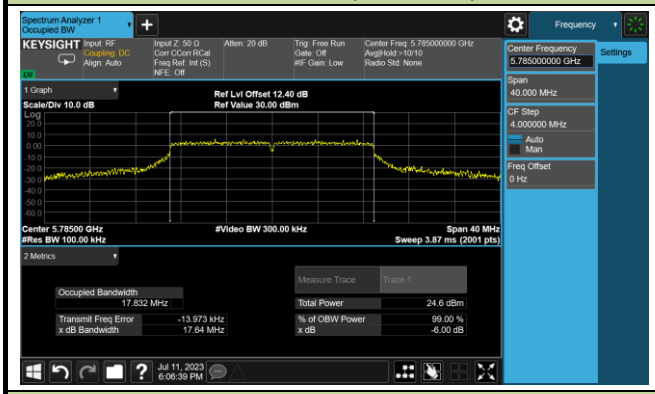
Channel 144 (5720MHz)



Channel 149 (5745MHz)



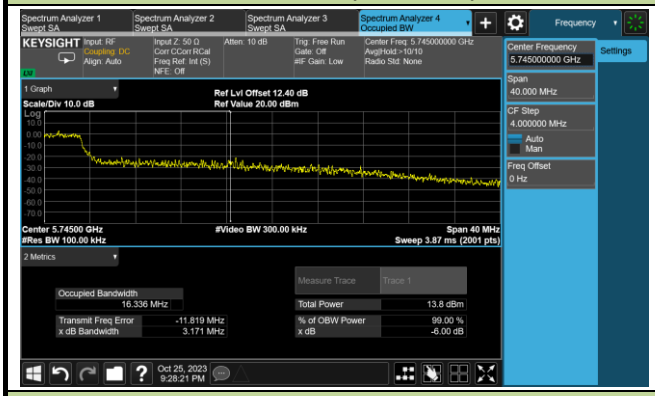
Channel 157 (5785MHz)



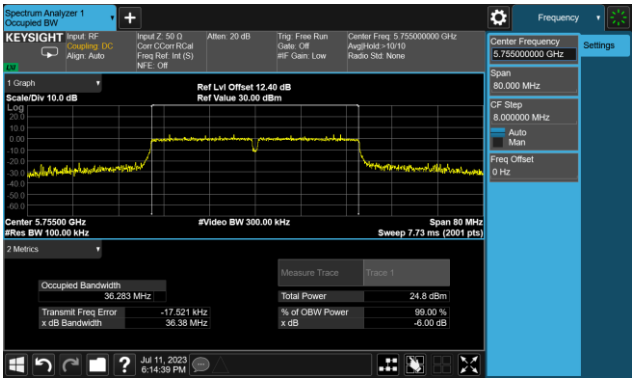
Channel 165 (5825MHz)

802.11ac-VHT40 6dB Bandwidth

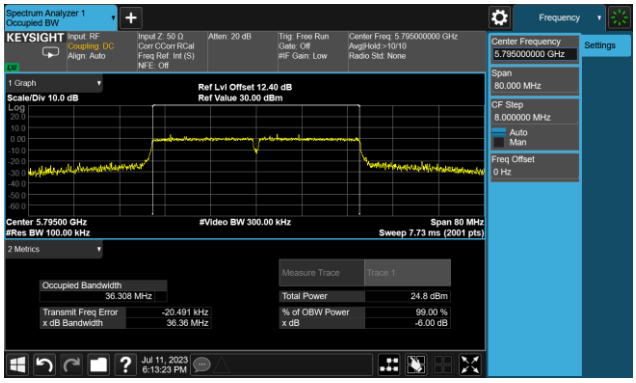
Channel 142 (5710MHz)

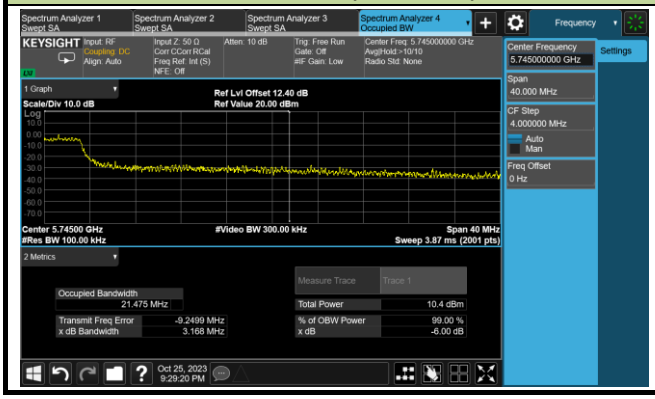


Channel 151 (5755MHz)



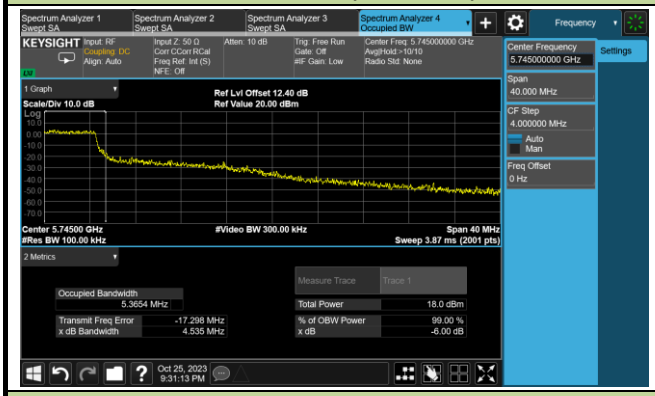
Channel 159 (5795MHz)



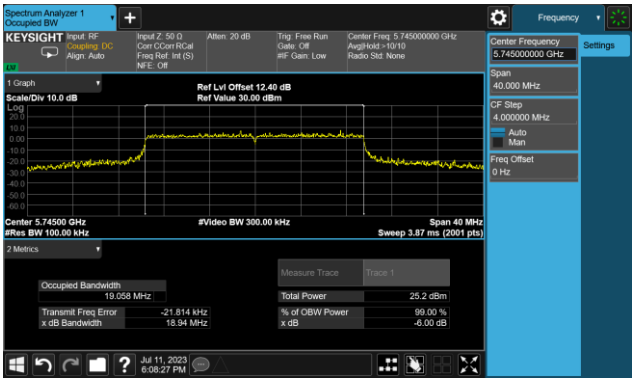
802.11ac-VHT80 6dB Bandwidth	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

802.11ax-HE20 6dB Bandwidth

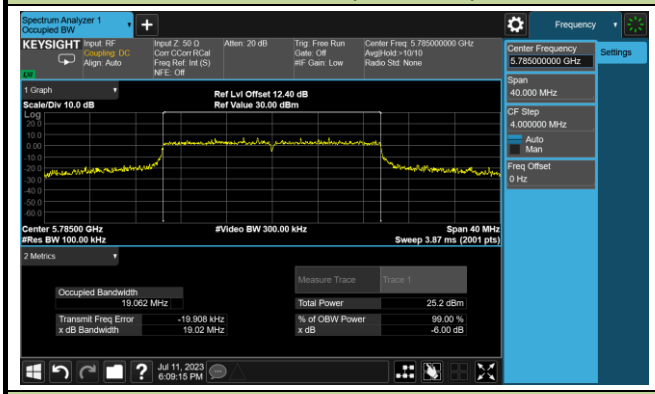
Channel 144 (5720MHz)



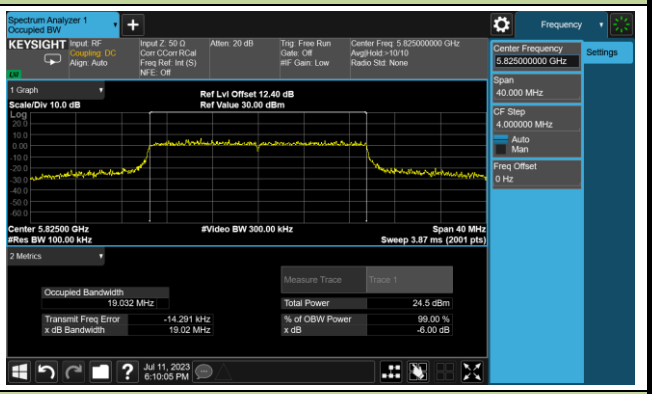
Channel 149 (5745MHz)



Channel 157 (5785MHz)

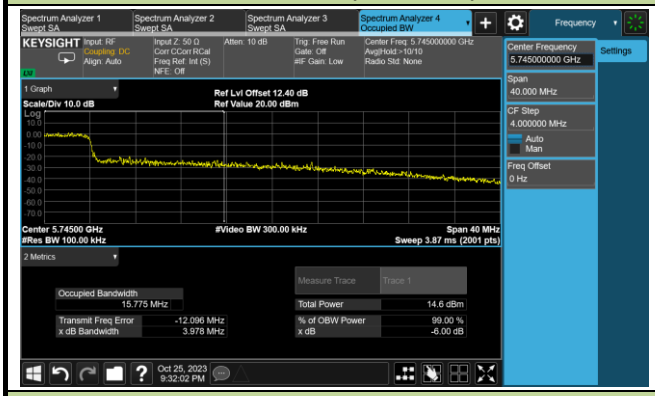


Channel 165 (5825MHz)

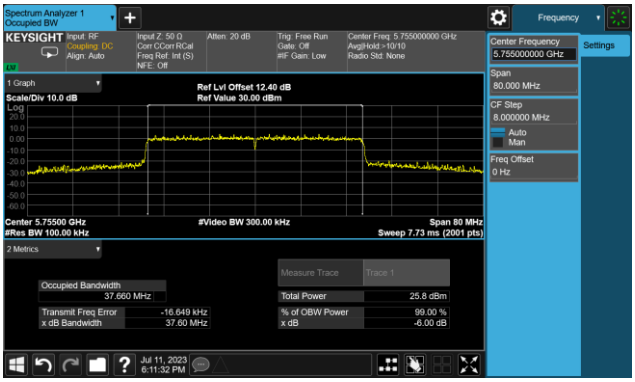


802.11ac-VHT40 6dB Bandwidth

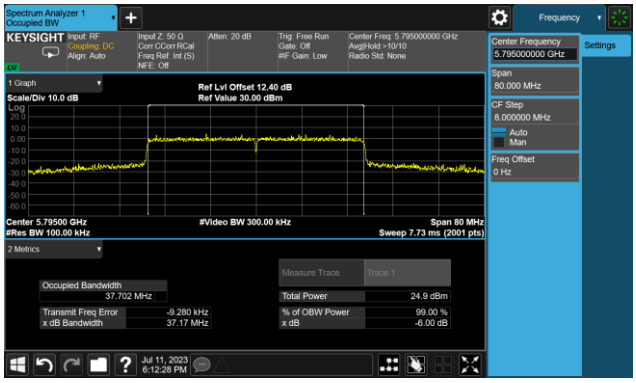
Channel 142 (5710MHz)

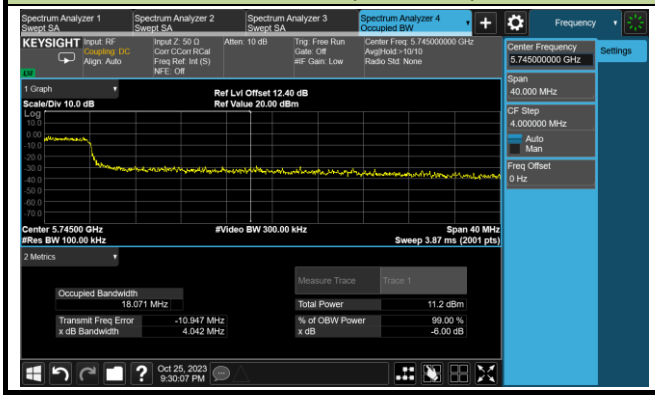


Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ax-HE80 6dB Bandwidth	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

A.4 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2023-07-11		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11a	6Mbps	36	5180	16.93	17.84	20.42	≤ 23.98
11a	6Mbps	44	5220	17.81	18.32	21.08	≤ 23.98
11a	6Mbps	48	5240	18.46	17.32	20.94	≤ 23.98
11a	6Mbps	52	5260	18.43	17.56	21.03	≤ 23.98
11a	6Mbps	60	5300	18.41	17.46	20.97	≤ 23.98
11a	6Mbps	64	5320	18.39	17.32	20.90	≤ 23.98
11a	6Mbps	100	5500	16.04	15.50	18.79	≤ 23.98
11a	6Mbps	116	5580	17.12	16.89	20.02	≤ 23.98
11a	6Mbps	140	5700	14.37	13.88	17.14	≤ 23.98
11a	6Mbps	144	5720	17.02	17.32	20.18	≤ 23.98
11a	6Mbps	149	5745	18.26	17.86	21.07	≤ 30.00
11a	6Mbps	157	5785	18.38	17.98	21.19	≤ 30.00
11a	6Mbps	165	5825	18.41	18.38	21.41	≤ 30.00
11ac-VHT20	MCS0	36	5180	16.45	16.93	19.71	≤ 23.98
11ac-VHT20	MCS0	44	5220	18.27	18.33	21.31	≤ 23.98
11ac-VHT20	MCS0	48	5240	17.65	18.44	21.07	≤ 23.98
11ac-VHT20	MCS0	52	5260	18.46	17.41	20.98	≤ 23.98
11ac-VHT20	MCS0	60	5300	18.35	17.23	20.84	≤ 23.98
11ac-VHT20	MCS0	64	5320	17.44	17.11	20.29	≤ 23.98
11ac-VHT20	MCS0	100	5500	16.88	16.09	19.51	≤ 23.98
11ac-VHT20	MCS0	116	5580	17.72	17.68	20.71	≤ 23.98
11ac-VHT20	MCS0	140	5700	14.61	14.08	17.36	≤ 23.98
11ac-VHT20	MCS0	144	5720	17.23	17.45	20.35	≤ 23.81
11ac-VHT20	MCS0	149	5745	18.32	17.99	21.17	≤ 30.00
11ac-VHT20	MCS0	157	5785	18.29	17.89	21.10	≤ 30.00
11ac-VHT20	MCS0	165	5825	18.27	18.42	21.36	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11ac-VHT40	MCS0	38	5190	15.04	15.21	18.14	≤ 23.98
11ac-VHT40	MCS0	46	5230	17.79	18.29	21.06	≤ 23.98
11ac-VHT40	MCS0	54	5270	16.58	18.43	20.61	≤ 23.98
11ac-VHT40	MCS0	62	5310	13.18	14.12	16.69	≤ 23.98
11ac-VHT40	MCS0	102	5510	14.82	13.54	17.24	≤ 23.98
11ac-VHT40	MCS0	110	5550	18.25	17.98	21.13	≤ 23.98
11ac-VHT40	MCS0	134	5670	16.09	15.84	18.98	≤ 23.98
11ac-VHT40	MCS0	142	5710	17.78	18.40	21.11	≤ 23.98
11ac-VHT40	MCS0	151	5755	17.59	18.30	20.97	≤ 30.00
11ac-VHT40	MCS0	159	5795	17.72	18.33	21.05	≤ 30.00
11ac-VHT80	MCS0	42	5210	15.43	13.95	17.76	≤ 23.98
11ac-VHT80	MCS0	58	5290	15.18	13.34	17.37	≤ 23.98
11ac-VHT80	MCS0	106	5530	16.61	16.13	19.39	≤ 23.98
11ac-VHT80	MCS0	122	5610	17.97	18.04	21.02	≤ 23.98
11ac-VHT80	MCS0	138	5690	17.92	18.40	21.18	≤ 23.98
11ac-VHT80	MCS0	155	5775	17.67	18.30	21.01	≤ 30.00
11ax-HE20	MCS0	36	5180	17.14	17.58	20.38	≤ 23.98
11ax-HE20	MCS0	44	5220	17.72	18.44	21.11	≤ 23.98
11ax-HE20	MCS0	48	5240	17.68	18.35	21.04	≤ 23.98
11ax-HE20	MCS0	52	5260	18.39	17.24	20.86	≤ 23.98
11ax-HE20	MCS0	60	5300	18.38	18.27	21.34	≤ 23.98
11ax-HE20	MCS0	64	5320	17.43	17.04	20.25	≤ 23.98
11ax-HE20	MCS0	100	5500	18.23	17.56	20.92	≤ 23.98
11ax-HE20	MCS0	116	5580	18.46	17.76	21.13	≤ 23.98
11ax-HE20	MCS0	140	5700	15.78	15.60	18.70	≤ 23.98
11ax-HE20	MCS0	144	5720	17.84	18.22	21.04	≤ 23.39
11ax-HE20	MCS0	149	5745	18.27	18.41	21.35	≤ 30.00
11ax-HE20	MCS0	157	5785	18.24	18.27	21.27	≤ 30.00
11ax-HE20	MCS0	165	5825	17.91	18.41	21.18	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11ax-HE40	MCS0	38	5190	15.88	16.00	18.95	≤ 23.98
11ax-HE40	MCS0	46	5230	17.85	18.34	21.11	≤ 23.98
11ax-HE40	MCS0	54	5270	16.47	18.28	20.48	≤ 23.98
11ax-HE40	MCS0	62	5310	13.62	14.99	17.37	≤ 23.98
11ax-HE40	MCS0	102	5510	16.29	15.69	19.01	≤ 23.98
11ax-HE40	MCS0	110	5550	18.13	18.42	21.29	≤ 23.98
11ax-HE40	MCS0	134	5670	16.38	16.18	19.29	≤ 23.98
11ax-HE40	MCS0	142	5710	17.84	18.25	21.06	≤ 23.98
11ax-HE40	MCS0	151	5755	18.05	18.38	21.23	≤ 30.00
11ax-HE40	MCS0	159	5795	18.08	18.43	21.27	≤ 30.00
11ax-HE80	MCS0	42	5210	16.26	16.65	19.47	≤ 23.98
11ax-HE80	MCS0	58	5290	14.62	14.11	17.38	≤ 23.98
11ax-HE80	MCS0	106	5530	16.96	16.71	19.85	≤ 23.98
11ax-HE80	MCS0	122	5610	17.53	17.60	20.58	≤ 23.98
11ax-HE80	MCS0	138	5690	17.86	18.28	21.09	≤ 23.98
11ax-HE80	MCS0	155	5775	18.22	18.09	21.17	≤ 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	WZ-SR5	Test Engineer	Luis Yang
Test Date	2023-07-11~2023-07-27		
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	4.759	5.316	99.01	8.057	≤ 9.9
11a	6Mbps	44	5220	6.369	7.182	99.01	9.805	≤ 9.9
11a	6Mbps	48	5240	7.475	5.996	99.01	9.808	≤ 9.9
11a	6Mbps	52	5260	6.966	6.031	99.01	9.534	≤ 9.9
11a	6Mbps	60	5300	6.307	6.076	99.01	9.203	≤ 9.9
11a	6Mbps	64	5320	5.947	6.040	99.01	9.004	≤ 9.9
11a	6Mbps	100	5500	4.020	3.647	99.01	6.848	≤ 9.2
11a	6Mbps	116	5580	5.831	5.665	99.01	8.759	≤ 9.2
11a	6Mbps	140	5700	2.402	2.314	99.01	5.369	≤ 9.2
11a	6Mbps	144	5720	5.681	6.271	99.01	8.996	≤ 9.2
11ac-VHT20	MCS0	36	5180	3.796	4.710	98.99	7.287	≤ 9.9
11ac-VHT20	MCS0	44	5220	6.126	6.908	98.99	9.545	≤ 9.9
11ac-VHT20	MCS0	48	5240	6.152	7.081	98.99	9.652	≤ 9.9
11ac-VHT20	MCS0	52	5260	6.600	5.534	98.99	9.110	≤ 9.9
11ac-VHT20	MCS0	60	5300	6.425	5.534	98.99	9.013	≤ 9.9
11ac-VHT20	MCS0	64	5320	5.325	4.826	98.99	8.093	≤ 9.9
11ac-VHT20	MCS0	100	5500	5.037	3.915	98.99	7.522	≤ 9.2
11ac-VHT20	MCS0	116	5580	6.431	5.702	98.99	9.092	≤ 9.2
11ac-VHT20	MCS0	140	5700	2.690	2.559	98.99	5.635	≤ 9.2
11ac-VHT20	MCS0	144	5720	5.745	5.735	98.99	8.750	≤ 9.2
11ac-VHT40	MCS0	38	5190	1.145	1.316	98.76	4.242	≤ 9.9
11ac-VHT40	MCS0	46	5230	4.193	4.478	98.76	7.348	≤ 9.9
11ac-VHT40	MCS0	54	5270	2.539	4.215	98.76	6.468	≤ 9.9
11ac-VHT40	MCS0	62	5310	-0.955	-0.534	98.76	2.271	≤ 9.9
11ac-VHT40	MCS0	102	5510	0.039	-0.818	98.76	2.642	≤ 9.2
11ac-VHT40	MCS0	110	5550	4.179	3.903	98.76	7.053	≤ 9.2
11ac-VHT40	MCS0	134	5670	0.785	0.892	98.76	3.849	≤ 9.2
11ac-VHT40	MCS0	142	5710	4.665	5.040	98.76	7.867	≤ 9.2

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	-1.141	-2.914	98.76	1.073	≤ 9.9
11ac-VHT80	MCS0	58	5290	-2.068	-3.551	98.76	0.264	≤ 9.9
11ac-VHT80	MCS0	106	5530	-1.302	-1.392	98.76	1.664	≤ 9.2
11ac-VHT80	MCS0	122	5610	0.499	0.750	98.76	3.637	≤ 9.2
11ac-VHT80	MCS0	138	5690	2.268	2.484	98.76	5.388	≤ 9.2
11ax-HE20	MCS0	36	5180	4.699	4.965	98.77	7.844	≤ 9.9
11ax-HE20	MCS0	44	5220	6.029	6.755	98.77	9.417	≤ 9.9
11ax-HE20	MCS0	48	5240	6.231	6.863	98.77	9.569	≤ 9.9
11ax-HE20	MCS0	52	5260	6.318	5.747	98.77	9.052	≤ 9.9
11ax-HE20	MCS0	60	5300	6.286	6.575	98.77	9.443	≤ 9.9
11ax-HE20	MCS0	64	5320	5.020	4.808	98.77	7.926	≤ 9.9
11ax-HE20	MCS0	100	5500	6.033	5.710	98.77	8.885	≤ 9.2
11ax-HE20	MCS0	116	5580	6.012	5.980	98.77	9.006	≤ 9.2
11ax-HE20	MCS0	140	5700	3.624	3.043	98.77	6.354	≤ 9.2
11ax-HE20	MCS0	144	5720	5.949	5.991	98.77	8.980	≤ 9.2
11ax-HE40	MCS0	38	5190	0.662	0.905	98.77	3.795	≤ 9.9
11ax-HE40	MCS0	46	5230	4.147	4.318	98.77	7.244	≤ 9.9
11ax-HE40	MCS0	54	5270	2.726	4.186	98.77	6.527	≤ 9.9
11ax-HE40	MCS0	62	5310	-1.375	-0.297	98.77	2.208	≤ 9.9
11ax-HE40	MCS0	102	5510	1.101	0.735	98.77	3.932	≤ 9.2
11ax-HE40	MCS0	110	5550	4.341	4.401	98.77	7.381	≤ 9.2
11ax-HE40	MCS0	134	5670	1.656	1.187	98.77	4.438	≤ 9.2
11ax-HE40	MCS0	142	5710	4.909	4.704	98.77	7.818	≤ 9.2
11ax-HE80	MCS0	42	5210	-1.534	-1.124	98.77	1.686	≤ 9.9
11ax-HE80	MCS0	58	5290	-2.187	-2.399	98.77	0.719	≤ 9.9
11ax-HE80	MCS0	106	5530	-0.579	-1.121	98.77	2.169	≤ 9.2
11ax-HE80	MCS0	122	5610	0.004	0.346	98.77	3.189	≤ 9.2
11ax-HE80	MCS0	138	5690	2.331	2.374	98.77	5.363	≤ 9.2

Note: Total PSD (dBm/MHz) $=10*\log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\}$

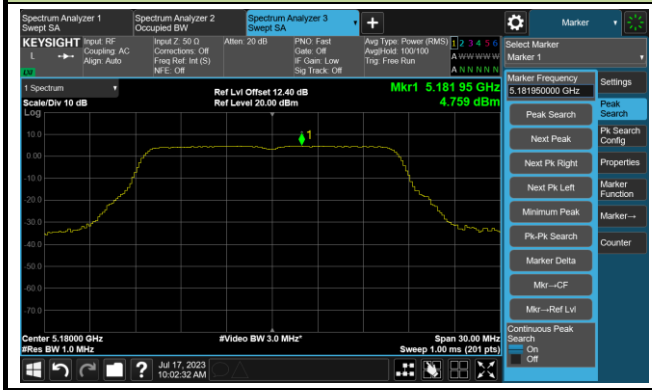
Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2023-07-12		
Test Item	Power Spectral Density (UNII-Band 3)		

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	4.622	4.064	99.01	7.362	≤ 28.70
11a	6Mbps	157	5785	4.557	4.489	99.01	7.533	≤ 28.70
11a	6Mbps	165	5825	4.378	4.708	99.01	7.556	≤ 28.70
11ac-VHT20	MCS0	149	5745	4.391	3.799	98.99	7.115	≤ 28.70
11ac-VHT20	MCS0	157	5785	3.916	3.660	98.99	6.800	≤ 28.70
11ac-VHT20	MCS0	165	5825	3.957	4.220	98.99	7.101	≤ 28.70
11ac-VHT40	MCS0	151	5755	1.730	1.968	98.76	4.861	≤ 28.70
11ac-VHT40	MCS0	159	5795	1.682	2.078	98.76	4.895	≤ 28.70
11ac-VHT80	MCS0	155	5775	-1.218	-0.899	98.76	1.955	≤ 28.70
11ax-HE20	MCS0	149	5745	4.132	3.890	98.77	7.023	≤ 28.70
11ax-HE20	MCS0	157	5785	4.111	4.084	98.77	7.108	≤ 28.70
11ax-HE20	MCS0	165	5825	3.629	3.730	98.77	6.690	≤ 28.70
11ax-HE40	MCS0	151	5755	1.762	2.503	98.77	5.159	≤ 28.70
11ax-HE40	MCS0	159	5795	1.677	2.250	98.77	4.983	≤ 28.70
11ax-HE80	MCS0	155	5775	-2.167	-2.176	98.77	0.839	≤ 28.70

Note: Total PSD (dBm / 510kHz) =10*log {$10^{(\text{Ant 0 AVGPSD}/10)}$ + $10^{(\text{Ant 1 AVGPSD}/10)}$}.

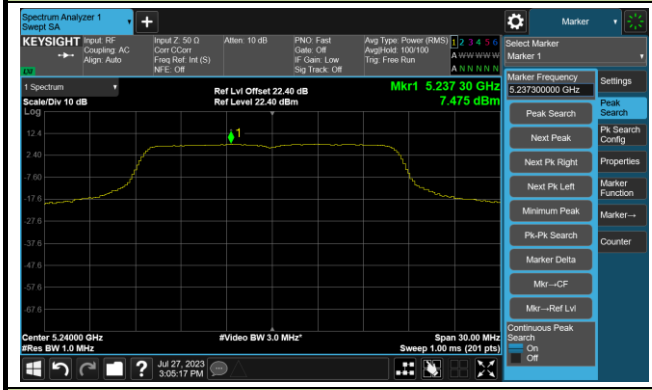
802.11a Power Spectral Density- Ant 0

Channel 36 (5180MHz)

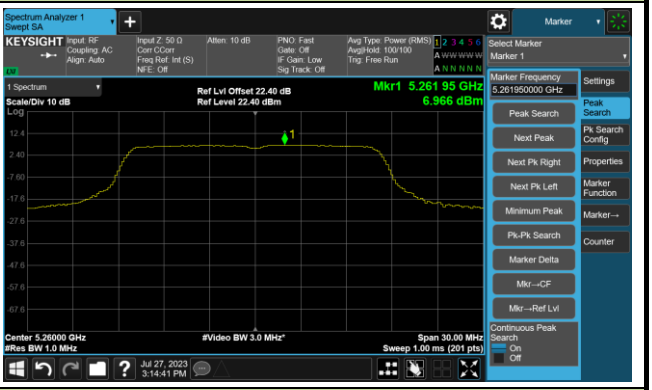


Channel 44 (5220MHz)

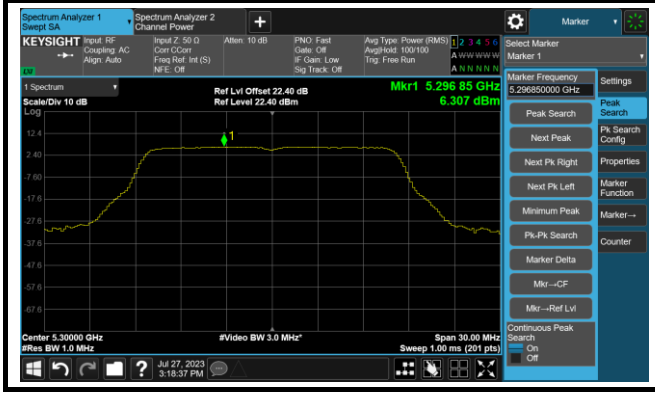
Channel 48 (5240MHz)



Channel 52 (5260MHz)

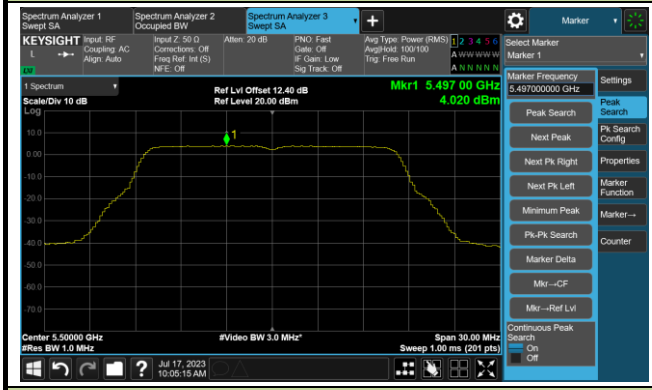


Channel 60 (5300MHz)

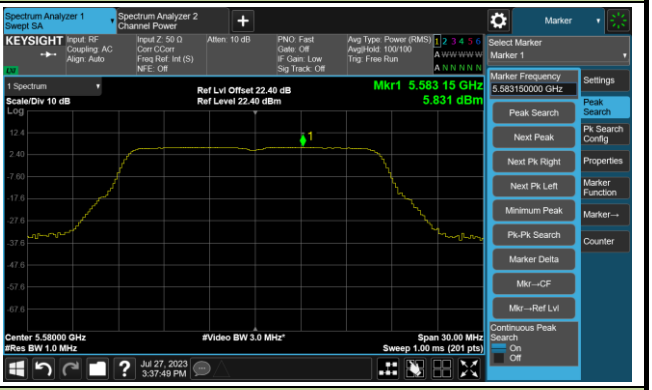


Channel 64 (5320MHz)

Channel 100 (5500MHz)



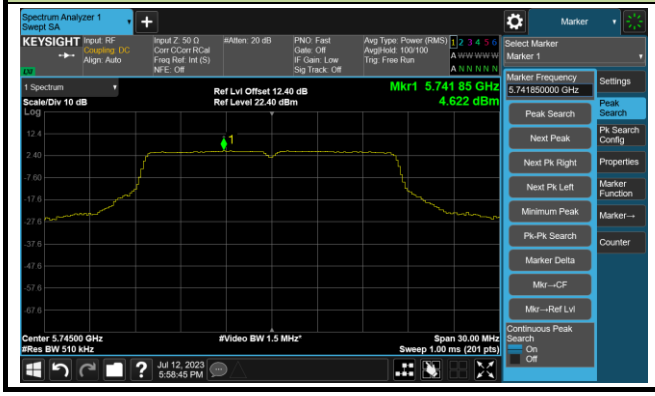
Channel 116 (5580MHz)



Channel 140 (5700MHz)

Channel 144(5720MHz)

Channel 149 (5745MHz)

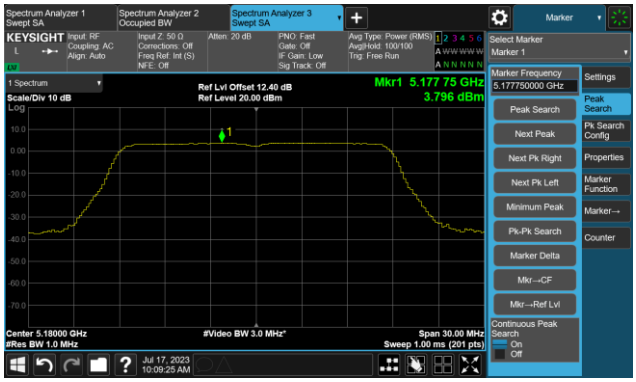


Channel 157 (5785MHz)

802.11a Power Spectral Density- Ant 0	
Channel 165 (5825MHz)	

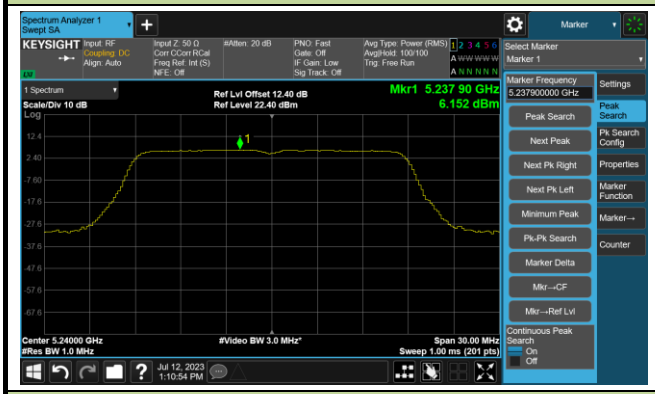
802.11ac-VHT20 Power Spectral Density- Ant 0

Channel 36 (5180MHz)

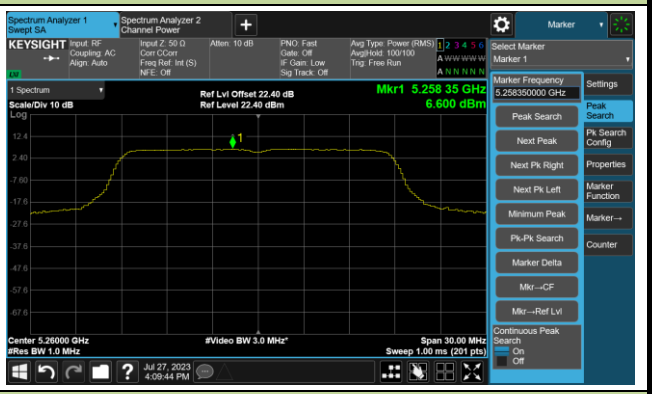


Channel 44 (5220MHz)

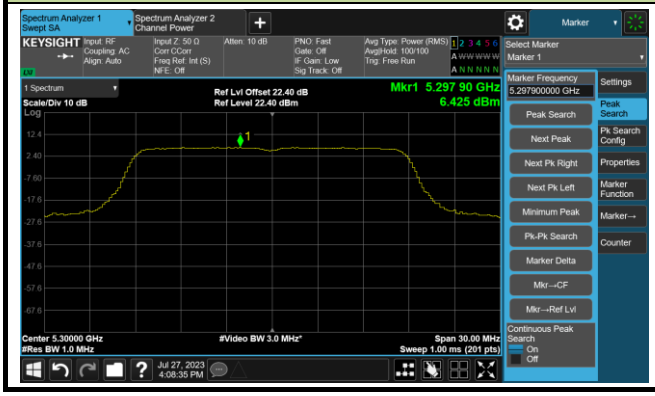
Channel 48 (5240MHz)



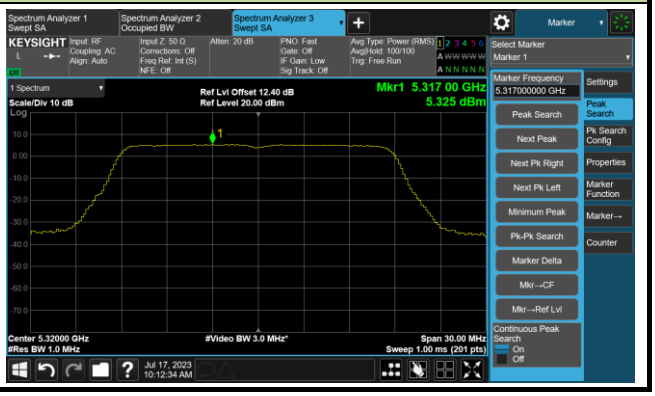
Channel 52 (5260MHz)

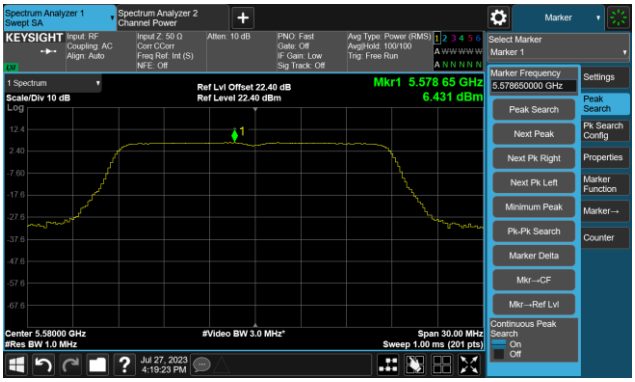
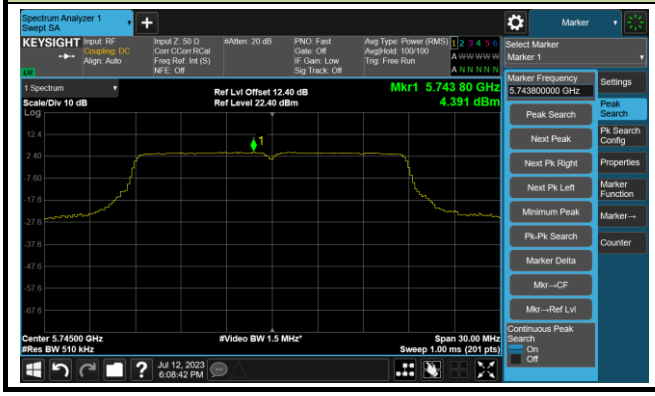


Channel 60 (5300MHz)



Channel 64 (5320MHz)



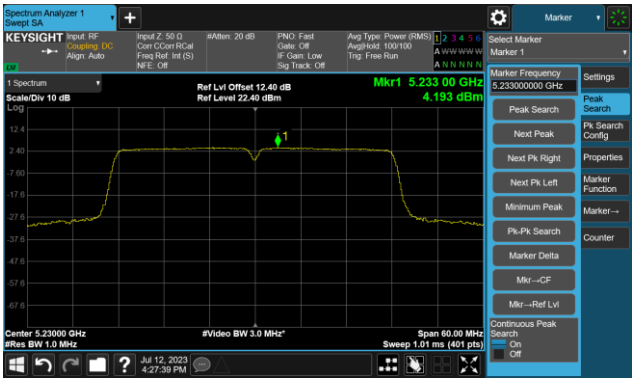
802.11ac-VHT20 Power Spectral Density- Ant 0	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	
Channel 140 (5700MHz)	Channel 144(5720MHz)
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	

802.11ac-VHT20 Power Spectral Density- Ant 0	
Channel 165 (5825MHz)	

802.11ac-VHT40 Power Spectral Density- Ant 0

Channel 38 (5190MHz)

Channel 46 (5230MHz)

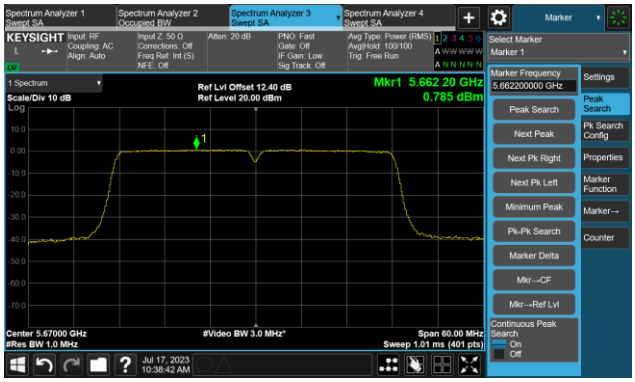
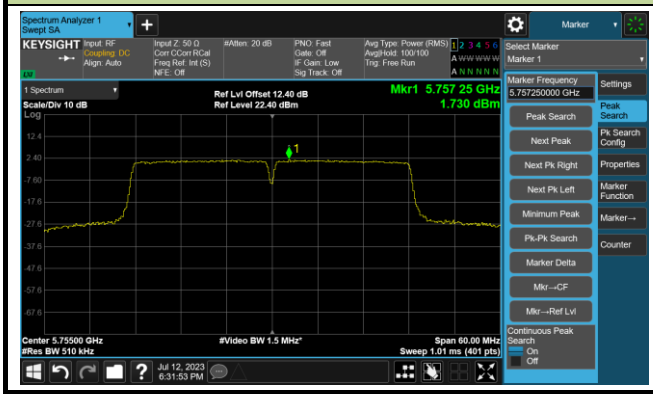
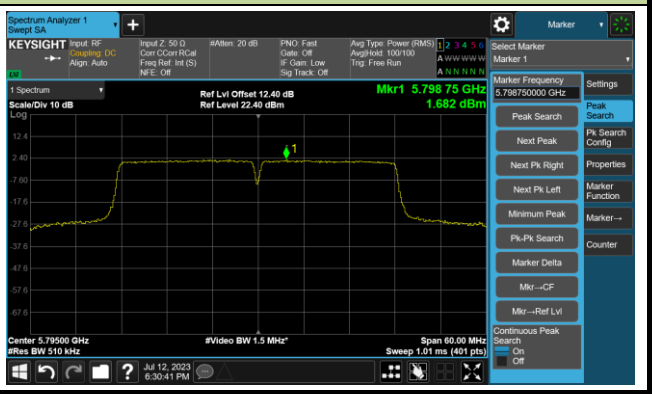


Channel 54 (5270MHz)

Channel 62 (5310MHz)

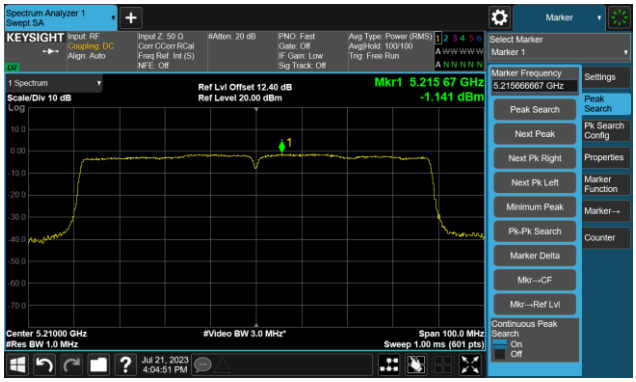
Channel 102 (5510MHz)

Channel 110 (5550MHz)

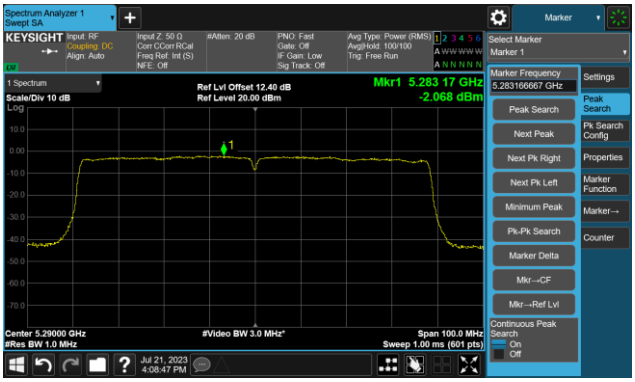
802.11ac-VHT40 Power Spectral Density- Ant 0	
Channel 134 (5670MHz)	Channel 142(5710MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 Power Spectral Density- Ant 0

Channel 42 (5210MHz)

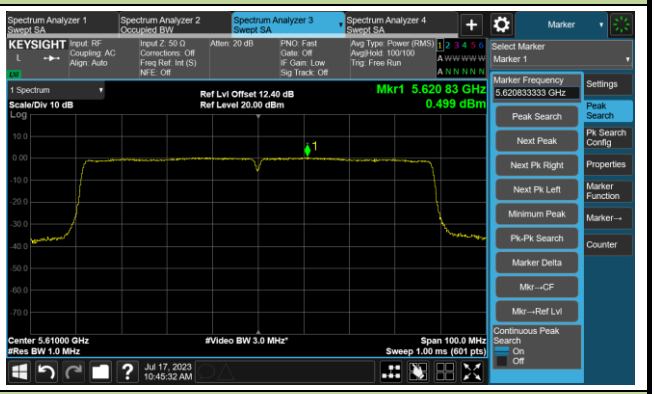


Channel 58 (5290MHz)



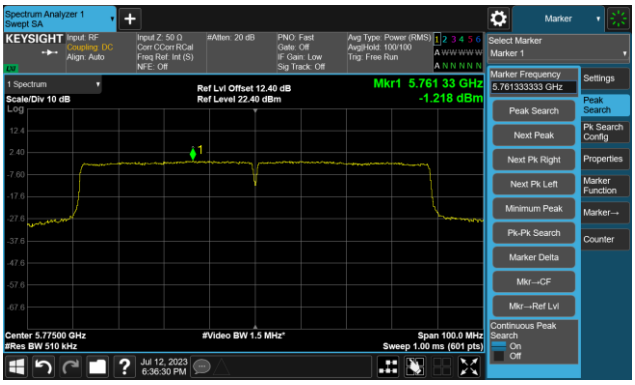
Channel 106 (5530MHz)

Channel 122 (5610MHz)



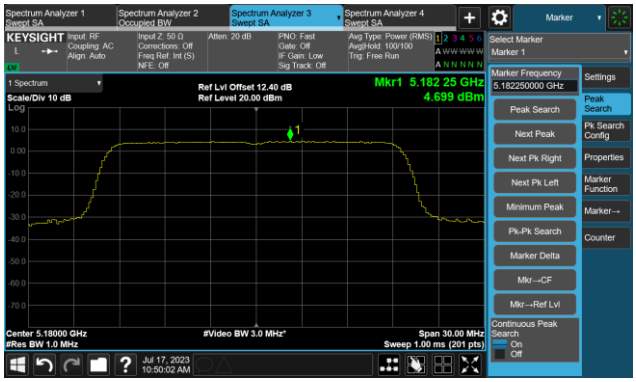
Channel 138 (5690MHz)

Channel 155 (5775MHz)

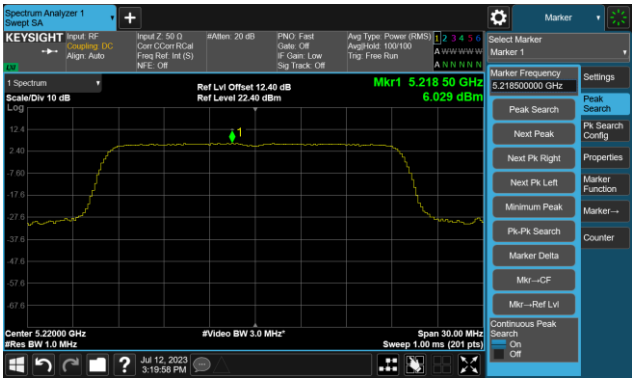


802.11ax-HE20 Power Spectral Density- Ant 0

Channel 36 (5180MHz)



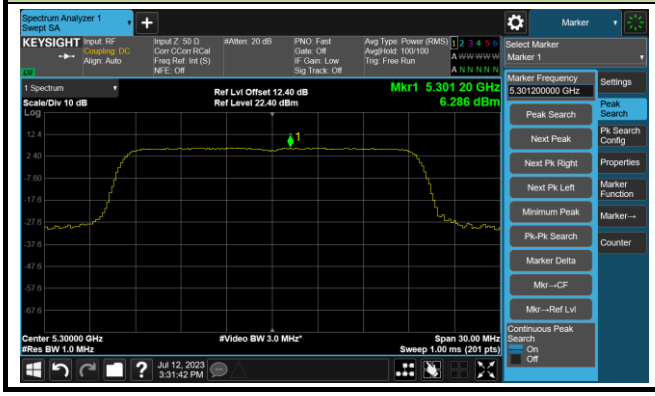
Channel 44 (5220MHz)



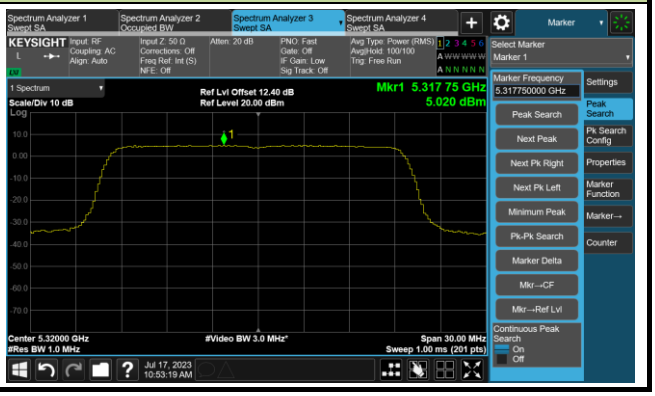
Channel 48 (5240MHz)

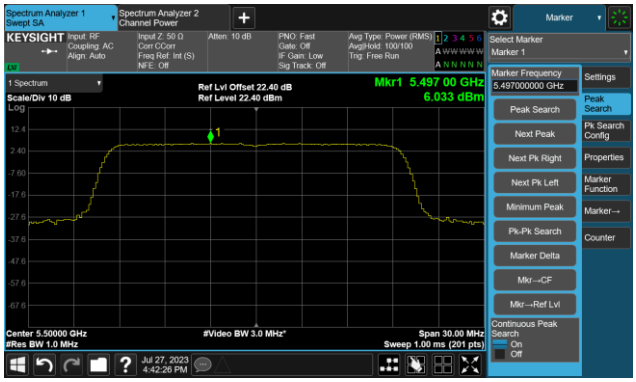
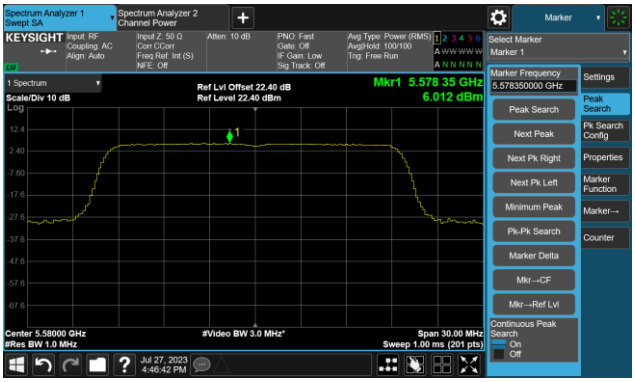
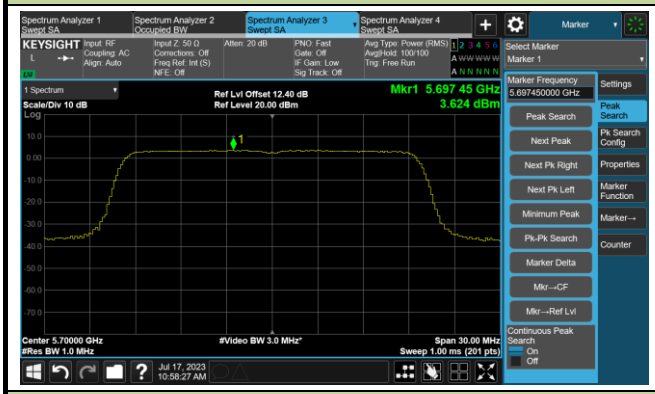
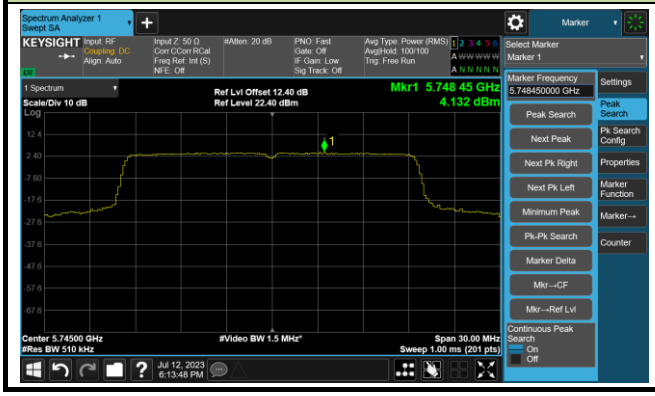
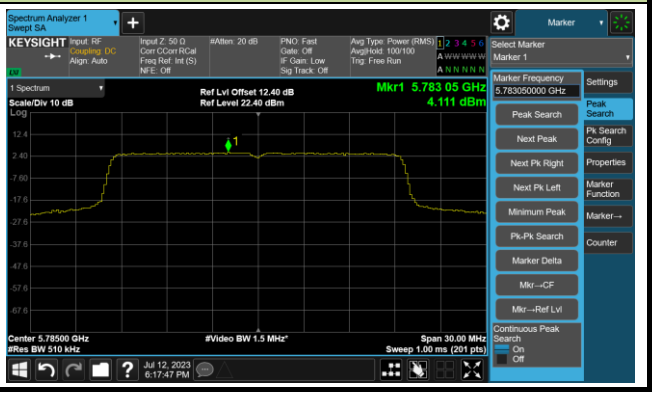
Channel 52 (5260MHz)

Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11ax-HE20 Power Spectral Density- Ant 0	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	
Channel 140 (5700MHz)	Channel 144(5720MHz)
	
Channel 149 (5745MHz)	Channel 157 (5785MHz)