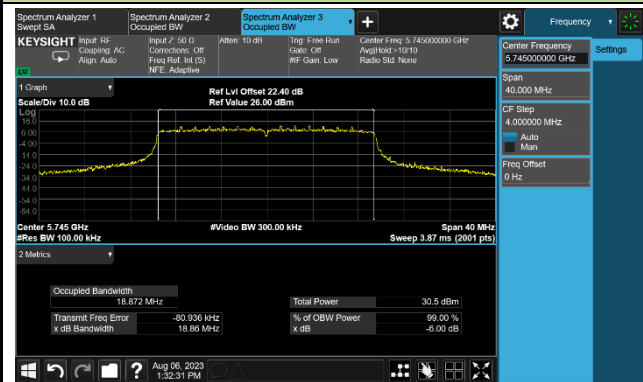
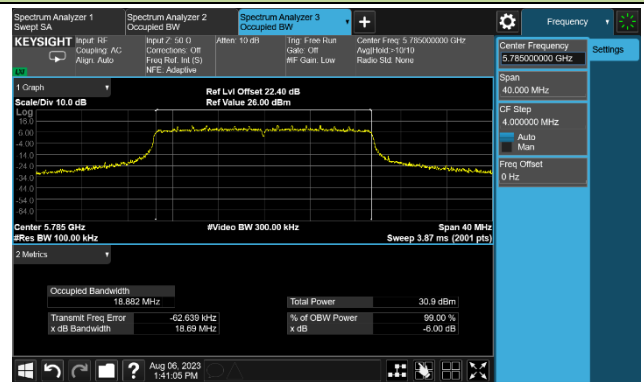


802.11ax-HE20 6dB Bandwidth

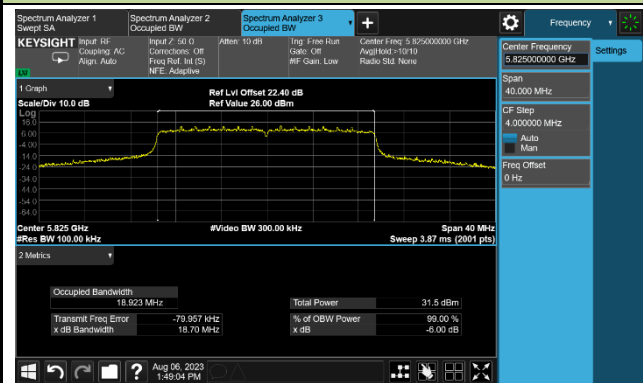
Channel 149 (5745MHz)



Channel 157 (5785MHz)

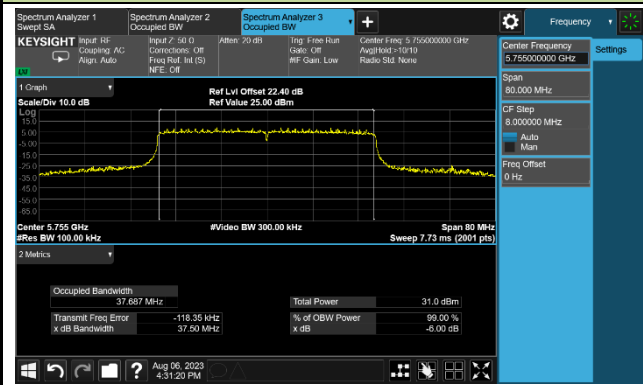


Channel 165 (5825MHz)

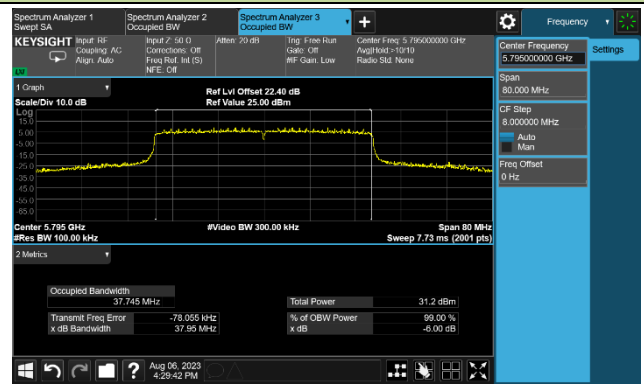


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

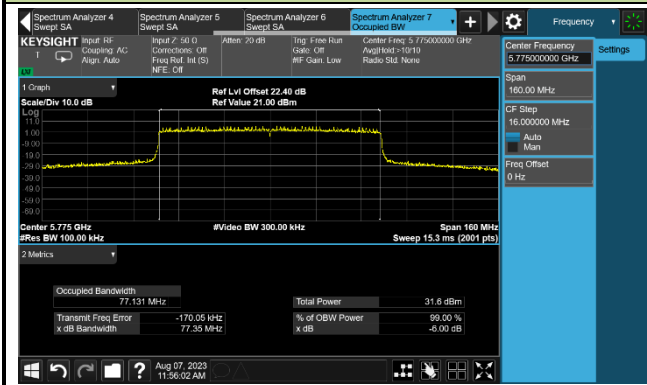


Channel 159 (5795MHz)



802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)



4. Output Power Measurement Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-10-08	Frequency Band	UNII-1
Antenna Status	Switch on		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Power (dBm)	Limit (dBm)	30 Degree EIRP (dBm)	Limit (dBm)	Result
11a	6Mbps	36	5180	10.08	9.69	12.90	≤ 28.30	20.60	≤ 21.00	Pass
11a	6Mbps	44	5220	9.99	9.93	12.97	≤ 28.30	20.67	≤ 21.00	Pass
11a	6Mbps	48	5240	9.96	9.90	12.94	≤ 28.30	20.64	≤ 21.00	Pass
11ac-VHT20	MCS0	36	5180	9.86	9.77	12.83	≤ 28.30	20.53	≤ 21.00	Pass
11ac-VHT20	MCS0	44	5220	9.53	9.62	12.59	≤ 28.30	20.29	≤ 21.00	Pass
11ac-VHT20	MCS0	48	5240	10.01	9.96	13.00	≤ 28.30	20.70	≤ 21.00	Pass
11ac-VHT40	MCS0	38	5190	9.90	10.02	12.97	≤ 28.30	20.67	≤ 21.00	Pass
11ac-VHT40	MCS0	46	5230	9.75	9.89	12.83	≤ 28.30	20.53	≤ 21.00	Pass
11ac-VHT80	MCS0	42	5210	10.04	9.92	12.99	≤ 28.30	20.69	≤ 21.00	Pass
11ax-HE20	MCS0	36	5180	9.90	9.69	12.81	≤ 28.30	20.51	≤ 21.00	Pass
11ax-HE20	MCS0	44	5220	9.68	9.55	12.63	≤ 28.30	20.33	≤ 21.00	Pass
11ax-HE20	MCS0	48	5240	9.42	9.57	12.51	≤ 28.30	20.21	≤ 21.00	Pass
11ax-HE40	MCS0	38	5190	9.95	9.87	12.92	≤ 28.30	20.62	≤ 21.00	Pass
11ax-HE40	MCS0	46	5230	9.68	9.81	12.76	≤ 28.30	20.46	≤ 21.00	Pass
11ax-HE80	MCS0	42	5210	9.96	9.86	12.92	≤ 28.30	20.62	≤ 21.00	Pass

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

Note 2: Max EIRP Above 30 Degree Angle (dBm) = Total Average Power (dBm) + 30 Degree Antenna Gain (dBi).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-10-08	Frequency Band	UNII-2A & UNII-2C & UNII-3
Antenna Status	Switch on		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11a	6Mbps	52	5260	17.75	17.96	20.87	≤ 22.06	Pass
11a	6Mbps	60	5300	17.66	17.80	20.74	≤ 22.06	Pass
11a	6Mbps	64	5320	17.15	17.29	20.23	≤ 22.06	Pass
11a	6Mbps	100	5500	17.53	17.65	20.60	≤ 22.06	Pass
11a	6Mbps	116	5580	17.69	17.98	20.85	≤ 22.06	Pass
11a	6Mbps	140	5700	17.45	17.94	20.71	≤ 22.06	Pass
11a	6Mbps	144	5720	17.22	17.65	20.45	≤ 20.90	Pass
11a	6Mbps	149	5745	22.22	22.61	25.43	≤ 28.30	Pass
11a	6Mbps	157	5785	22.59	22.19	25.40	≤ 28.30	Pass
11a	6Mbps	165	5825	22.75	22.49	25.63	≤ 28.30	Pass
11ac-VHT20	MCS0	52	5260	17.63	17.72	20.69	≤ 22.28	Pass
11ac-VHT20	MCS0	60	5300	17.34	17.66	20.51	≤ 22.28	Pass
11ac-VHT20	MCS0	64	5320	17.76	17.99	20.89	≤ 22.28	Pass
11ac-VHT20	MCS0	100	5500	17.80	17.92	20.87	≤ 22.28	Pass
11ac-VHT20	MCS0	116	5580	17.52	17.82	20.68	≤ 22.28	Pass
11ac-VHT20	MCS0	140	5700	17.29	17.99	20.66	≤ 22.28	Pass
11ac-VHT20	MCS0	144	5720	16.90	17.49	20.22	≤ 21.08	Pass
11ac-VHT20	MCS0	149	5745	22.75	22.61	25.69	≤ 28.30	Pass
11ac-VHT20	MCS0	157	5785	22.54	22.69	25.63	≤ 28.30	Pass
11ac-VHT20	MCS0	165	5825	22.83	22.52	25.69	≤ 28.30	Pass
11ac-VHT40	MCS0	54	5270	18.70	18.80	21.76	≤ 22.28	Pass
11ac-VHT40	MCS0	62	5310	18.77	19.07	21.93	≤ 22.28	Pass
11ac-VHT40	MCS0	102	5510	18.94	18.97	21.97	≤ 22.28	Pass
11ac-VHT40	MCS0	110	5550	18.83	18.87	21.86	≤ 22.28	Pass
11ac-VHT40	MCS0	134	5670	18.88	18.77	21.84	≤ 22.28	Pass
11ac-VHT40	MCS0	142	5710	18.38	18.83	21.62	≤ 22.28	Pass
11ac-VHT40	MCS0	151	5755	22.70	22.56	25.64	≤ 28.30	Pass
11ac-VHT40	MCS0	159	5795	22.94	22.50	25.74	≤ 28.30	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11ac-VHT80	MCS0	58	5290	18.60	18.69	21.66	≤ 22.28	Pass
11ac-VHT80	MCS0	106	5530	18.78	18.72	21.76	≤ 22.28	Pass
11ac-VHT80	MCS0	122	5610	18.67	18.53	21.61	≤ 22.28	Pass
11ac-VHT80	MCS0	138	5690	18.95	18.94	21.96	≤ 22.28	Pass
11ac-VHT80	MCS0	155	5775	20.68	20.65	23.68	≤ 28.30	Pass
11ax-HE20	MCS0	52	5260	17.85	18.25	21.06	≤ 22.28	Pass
11ax-HE20	MCS0	60	5300	18.08	18.16	21.13	≤ 22.28	Pass
11ax-HE20	MCS0	64	5320	17.86	18.03	20.96	≤ 22.28	Pass
11ax-HE20	MCS0	100	5500	18.07	18.15	21.12	≤ 22.28	Pass
11ax-HE20	MCS0	116	5580	17.96	18.30	21.14	≤ 22.28	Pass
11ax-HE20	MCS0	140	5700	17.47	18.18	20.85	≤ 22.28	Pass
11ax-HE20	MCS0	144	5720	17.53	18.22	20.90	≤ 21.19	Pass
11ax-HE20	MCS0	149	5745	22.68	22.82	25.76	≤ 28.30	Pass
11ax-HE20	MCS0	157	5785	22.78	22.53	25.67	≤ 28.30	Pass
11ax-HE20	MCS0	165	5825	22.86	22.51	25.70	≤ 28.30	Pass
11ax-HE40	MCS0	54	5270	18.68	18.72	21.71	≤ 22.28	Pass
11ax-HE40	MCS0	62	5310	18.82	19.11	21.98	≤ 22.28	Pass
11ax-HE40	MCS0	102	5510	18.98	18.94	21.97	≤ 22.28	Pass
11ax-HE40	MCS0	110	5550	18.89	18.88	21.90	≤ 22.28	Pass
11ax-HE40	MCS0	134	5670	18.86	18.78	21.83	≤ 22.28	Pass
11ax-HE40	MCS0	142	5710	18.43	18.87	21.67	≤ 22.28	Pass
11ax-HE40	MCS0	151	5755	22.62	22.21	25.43	≤ 28.30	Pass
11ax-HE40	MCS0	159	5795	22.58	22.36	25.48	≤ 28.30	Pass
11ax-HE80	MCS0	58	5290	18.53	18.67	21.61	≤ 22.28	Pass
11ax-HE80	MCS0	106	5530	18.65	18.66	21.67	≤ 22.28	Pass
11ax-HE80	MCS0	122	5610	18.71	18.81	21.77	≤ 22.28	Pass
11ax-HE80	MCS0	138	5690	18.92	19.00	21.97	≤ 22.28	Pass
11ax-HE80	MCS0	155	5775	21.15	21.09	24.13	≤ 28.30	Pass

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

Note 2: For 5250-5350MHz & 5470-5725MHz, the conducted power limit is as below.

802.11a: $11 + 10 \log_{10} (18.87) - (7.7 - 6) = 22.06 < 23.98\text{dBm}$

802.11ac-VHT20/ac-VHT40/ac-VHT80/ax-HE20/ax-HE40/ax-HE80: $11 + 10 \log_{10} (B) - (7.7 - 6) > 23.98 - (7.7 - 6) \text{ dBm}$.

For straddle channel 20MHz Bandwidth 5720MHz, the conducted power limit is as below:

802.11a CH144: $11 + 10 \log_{10} (B) - (7.7 - 6) = 20.90\text{dBm}$, $B = 18.91/2 + 5 = 14.455\text{MHz}$.

802.11ac-HT20 CH144: $11 + 10 \log_{10} (B) - (7.7 - 6) = 21.08\text{dBm}$, $B = 20.10/2 + 5 = 15.05\text{MHz}$.

802.11ax-HE20 CH144: $11 + 10 \log_{10} (B) - (7.7 - 6) = 21.19\text{dBm}$, $B = 20.91/2 + 5 = 15.455\text{MHz}$.

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-10-08	Frequency Band	UNII-1
Antenna Status	Switch off		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	30 Degree EIRP (dBm)	EIRP Limit (dBm)	Result
11a	6Mbps	36	5180	6.80	7.18	10.00	≤ 25.50	20.50	≤ 21.00	Pass
11a	6Mbps	44	5220	6.85	7.20	10.04	≤ 25.50	20.54	≤ 21.00	Pass
11a	6Mbps	48	5240	6.63	7.02	9.84	≤ 25.50	20.34	≤ 21.00	Pass
11ac-VHT20	MCS0	36	5180	6.66	7.02	9.85	≤ 25.50	20.35	≤ 21.00	Pass
11ac-VHT20	MCS0	44	5220	6.72	7.08	9.91	≤ 25.50	20.41	≤ 21.00	Pass
11ac-VHT20	MCS0	48	5240	6.60	6.99	9.81	≤ 25.50	20.31	≤ 21.00	Pass
11ac-VHT40	MCS0	38	5190	6.96	6.79	9.89	≤ 25.50	20.39	≤ 21.00	Pass
11ac-VHT40	MCS0	46	5230	7.23	7.12	10.19	≤ 25.50	20.69	≤ 21.00	Pass
11ac-VHT80	MCS0	42	5210	6.91	6.80	9.87	≤ 25.50	20.37	≤ 21.00	Pass
11ax-HE20	MCS0	36	5180	6.73	7.16	9.96	≤ 25.50	20.46	≤ 21.00	Pass
11ax-HE20	MCS0	44	5220	6.88	7.10	10.00	≤ 25.50	20.50	≤ 21.00	Pass
11ax-HE20	MCS0	48	5240	6.61	7.00	9.82	≤ 25.50	20.32	≤ 21.00	Pass
11ax-HE40	MCS0	38	5190	6.85	6.68	9.78	≤ 25.50	20.28	≤ 21.00	Pass
11ax-HE40	MCS0	46	5230	7.15	7.09	10.13	≤ 25.50	20.63	≤ 21.00	Pass
11ax-HE80	MCS0	42	5210	6.84	6.80	9.83	≤ 25.50	20.33	≤ 21.00	Pass

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

Note 2: Max EIRP Above 30 Degree Angle (dBm) = Total Average Power (dBm) + 30 Degree Antenna Gain (dBi).

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-10-08	Frequency Band	UNII-2A & UNII-2C & UNII-3
Antenna Status	Switch off		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11a	6Mbps	52	5260	13.77	13.38	16.59	≤ 19.26	Pass
11a	6Mbps	60	5300	14.36	13.62	17.02	≤ 19.26	Pass
11a	6Mbps	64	5320	14.56	13.83	17.22	≤ 19.26	Pass
11a	6Mbps	100	5500	14.50	14.15	17.34	≤ 19.26	Pass
11a	6Mbps	116	5580	14.81	14.55	17.69	≤ 19.26	Pass
11a	6Mbps	140	5700	13.95	14.37	17.18	≤ 19.26	Pass
11a	6Mbps	144	5720	13.79	13.89	16.85	≤ 18.10	Pass
11a	6Mbps	149	5745	21.47	21.91	24.71	≤ 25.50	Pass
11a	6Mbps	157	5785	21.62	21.97	24.81	≤ 25.50	Pass
11a	6Mbps	165	5825	22.03	22.26	25.16	≤ 25.50	Pass
11ac-VHT20	MCS0	52	5260	14.65	14.33	17.50	≤ 19.48	Pass
11ac-VHT20	MCS0	60	5300	14.76	14.07	17.44	≤ 19.48	Pass
11ac-VHT20	MCS0	64	5320	14.28	14.25	17.28	≤ 19.48	Pass
11ac-VHT20	MCS0	100	5500	14.45	13.78	17.14	≤ 19.48	Pass
11ac-VHT20	MCS0	116	5580	14.55	14.30	17.44	≤ 19.48	Pass
11ac-VHT20	MCS0	140	5700	14.37	14.05	17.22	≤ 19.48	Pass
11ac-VHT20	MCS0	144	5720	13.45	14.41	16.97	≤ 18.28	Pass
11ac-VHT20	MCS0	149	5745	21.88	22.45	25.18	≤ 25.50	Pass
11ac-VHT20	MCS0	157	5785	21.79	21.96	24.89	≤ 25.50	Pass
11ac-VHT20	MCS0	165	5825	22.05	22.23	25.15	≤ 25.50	Pass
11ac-VHT40	MCS0	54	5270	16.21	16.03	19.13	≤ 19.48	Pass
11ac-VHT40	MCS0	62	5310	16.00	16.19	19.11	≤ 19.48	Pass
11ac-VHT40	MCS0	102	5510	16.09	16.11	19.11	≤ 19.48	Pass
11ac-VHT40	MCS0	110	5550	15.91	15.98	18.96	≤ 19.48	Pass
11ac-VHT40	MCS0	134	5670	16.03	15.77	18.91	≤ 19.48	Pass
11ac-VHT40	MCS0	142	5710	15.83	16.32	19.09	≤ 19.48	Pass
11ac-VHT40	MCS0	151	5755	21.76	21.80	24.79	≤ 25.50	Pass
11ac-VHT40	MCS0	159	5795	21.95	21.97	24.97	≤ 25.50	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11ac-VHT80	MCS0	58	5290	15.88	15.97	18.94	≤ 19.48	Pass
11ac-VHT80	MCS0	106	5530	15.84	15.99	18.93	≤ 19.48	Pass
11ac-VHT80	MCS0	122	5610	15.89	16.08	19.00	≤ 19.48	Pass
11ac-VHT80	MCS0	138	5690	15.85	15.91	18.89	≤ 19.48	Pass
11ac-VHT80	MCS0	155	5775	20.68	20.65	23.68	≤ 25.50	Pass
11ax-HE20	MCS0	52	5260	15.35	15.29	18.33	≤ 19.48	Pass
11ax-HE20	MCS0	60	5300	15.26	15.35	18.32	≤ 19.48	Pass
11ax-HE20	MCS0	64	5320	15.08	15.14	18.12	≤ 19.48	Pass
11ax-HE20	MCS0	100	5500	15.01	15.12	18.08	≤ 19.48	Pass
11ax-HE20	MCS0	116	5580	15.18	15.43	18.32	≤ 19.48	Pass
11ax-HE20	MCS0	140	5700	15.03	15.32	18.19	≤ 19.48	Pass
11ax-HE20	MCS0	144	5720	14.84	15.06	17.96	≤ 18.39	Pass
11ax-HE20	MCS0	149	5745	21.69	22.13	24.93	≤ 25.50	Pass
11ax-HE20	MCS0	157	5785	22.19	21.89	25.05	≤ 25.50	Pass
11ax-HE20	MCS0	165	5825	21.93	21.87	24.91	≤ 25.50	Pass
11ax-HE40	MCS0	54	5270	15.86	15.97	18.93	≤ 19.48	Pass
11ax-HE40	MCS0	62	5310	16.09	16.23	19.17	≤ 19.48	Pass
11ax-HE40	MCS0	102	5510	15.68	15.87	18.79	≤ 19.48	Pass
11ax-HE40	MCS0	110	5550	16.05	16.26	19.17	≤ 19.48	Pass
11ax-HE40	MCS0	134	5670	16.04	15.96	19.01	≤ 19.48	Pass
11ax-HE40	MCS0	142	5710	15.50	16.10	18.82	≤ 19.48	Pass
11ax-HE40	MCS0	151	5755	21.77	21.90	24.85	≤ 25.50	Pass
11ax-HE40	MCS0	159	5795	21.80	21.93	24.88	≤ 25.50	Pass
11ax-HE80	MCS0	58	5290	15.90	15.88	18.90	≤ 19.48	Pass
11ax-HE80	MCS0	106	5530	16.05	15.95	19.01	≤ 19.48	Pass
11ax-HE80	MCS0	122	5610	15.74	16.15	18.96	≤ 19.48	Pass
11ax-HE80	MCS0	138	5690	15.80	16.01	18.92	≤ 19.48	Pass
11ax-HE80	MCS0	155	5775	21.15	21.09	24.13	≤ 25.50	Pass

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

Note 2: For 5250-5350MHz & 5470-5725MHz, the conducted power limit is as below.

802.11a: $11 + 10 \log_{10} (18.87) - (7.7 - 6) = 22.06 < 23.98\text{dBm}$

802.11ac-VHT20/ac-VHT40/ac-VHT80/ax-HE20/ax-HE40/ax-HE80: $11 + 10 \log_{10} (B) - (7.7 - 6) > 23.98 - (7.7 - 6) \text{ dBm}$.

For straddle channel 20MHz Bandwidth 5720MHz, the conducted power limit is as below:

802.11a CH144: $11 + 10 \log_{10} (B) - (7.7 - 6) = 20.90\text{dBm}$, $B = 18.91/2 + 5 = 14.455\text{MHz}$.

802.11ac-HT20 CH144: $11 + 10 \log_{10} (B) - (7.7 - 6) = 21.08\text{dBm}$, $B = 20.10/2 + 5 = 15.05\text{MHz}$.

802.11ax-HE20 CH144: $11 + 10 \log_{10} (B) - (7.7 - 6) = 21.19\text{dBm}$, $B = 20.91/2 + 5 = 15.455\text{MHz}$.

5. Power Spectral Density Measurement Test Result

Test Site	SR5	Test Engineer	Lynn Yang
Test Date	2023-10-07~2023-12-06	Frequency Band	UNII-1 & 2A & 2C
Antenna Status	Switch On		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/ MHz)	Result
				Ant 0	Ant 1				
11a	6Mbps	36	5180	-2.184	-2.598	92.01	0.986	≤ 15.30	Pass
11a	6Mbps	44	5220	-2.055	-2.276	92.01	1.208	≤ 15.30	Pass
11a	6Mbps	48	5240	-2.139	-2.366	92.01	1.121	≤ 15.30	Pass
11a	6Mbps	52	5260	5.497	5.695	92.01	8.969	≤ 9.30	Pass
11a	6Mbps	60	5300	5.578	5.648	92.01	8.985	≤ 9.30	Pass
11a	6Mbps	64	5320	5.173	5.103	92.01	8.510	≤ 9.30	Pass
11a	6Mbps	100	5500	5.281	5.492	92.01	8.760	≤ 9.30	Pass
11a	6Mbps	116	5580	5.572	5.593	92.01	8.954	≤ 9.30	Pass
11a	6Mbps	140	5700	5.380	5.705	92.01	8.917	≤ 9.30	Pass
11a	6Mbps	144	5720	4.988	5.635	92.01	8.695	≤ 9.30	Pass
11ac-VHT20	MCS0	36	5180	-2.707	-2.808	94.10	0.517	≤ 15.30	Pass
11ac-VHT20	MCS0	44	5220	-3.030	-2.947	94.10	0.286	≤ 15.30	Pass
11ac-VHT20	MCS0	48	5240	-2.388	-2.414	94.10	0.873	≤ 15.30	Pass
11ac-VHT20	MCS0	52	5260	5.295	5.336	94.10	8.590	≤ 9.30	Pass
11ac-VHT20	MCS0	60	5300	5.365	5.338	94.10	8.626	≤ 9.30	Pass
11ac-VHT20	MCS0	64	5320	5.566	5.633	94.10	8.874	≤ 9.30	Pass
11ac-VHT20	MCS0	100	5500	5.399	5.685	94.10	8.819	≤ 9.30	Pass
11ac-VHT20	MCS0	116	5580	5.060	5.438	94.10	8.528	≤ 9.30	Pass
11ac-VHT20	MCS0	140	5700	5.367	5.847	94.10	8.888	≤ 9.30	Pass
11ac-VHT20	MCS0	144	5720	4.855	5.547	94.10	8.489	≤ 9.30	Pass
11ac-VHT40	MCS0	38	5190	-5.769	-5.696	92.51	-2.384	≤ 15.30	Pass
11ac-VHT40	MCS0	46	5230	-5.887	-5.849	92.51	-2.520	≤ 15.30	Pass
11ac-VHT40	MCS0	54	5270	3.359	3.586	92.51	6.822	≤ 9.30	Pass
11ac-VHT40	MCS0	62	5310	3.794	3.958	92.51	7.225	≤ 9.30	Pass
11ac-VHT40	MCS0	102	5510	3.673	3.858	92.51	7.115	≤ 9.30	Pass
11ac-VHT40	MCS0	110	5550	3.630	3.719	92.51	7.023	≤ 9.30	Pass
11ac-VHT40	MCS0	134	5670	3.681	3.632	92.51	7.005	≤ 9.30	Pass
11ac-VHT40	MCS0	142	5710	3.377	3.790	92.51	6.937	≤ 9.30	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/ MHz)	Result
				Ant 0	Ant 1				
11ac-VHT80	MCS0	42	5210	-9.364	-9.395	91.65	-5.990	≤ 15.30	Pass
11ac-VHT80	MCS0	58	5290	-0.218	-0.053	91.65	3.254	≤ 9.30	Pass
11ac-VHT80	MCS0	106	5530	-0.098	-0.123	91.65	3.278	≤ 9.30	Pass
11ac-VHT80	MCS0	122	5610	0.353	0.293	91.65	3.712	≤ 9.30	Pass
11ac-VHT80	MCS0	138	5690	0.448	0.565	91.65	3.896	≤ 9.30	Pass
11ax-HE20	MCS0	36	5180	-2.889	-3.044	93.95	0.316	≤ 15.30	Pass
11ax-HE20	MCS0	44	5220	-3.097	-3.312	93.95	0.078	≤ 15.30	Pass
11ax-HE20	MCS0	48	5240	-3.411	-3.251	93.95	-0.049	≤ 15.30	Pass
11ax-HE20	MCS0	52	5260	5.326	5.563	93.95	8.727	≤ 9.30	Pass
11ax-HE20	MCS0	60	5300	5.433	5.445	93.95	8.720	≤ 9.30	Pass
11ax-HE20	MCS0	64	5320	5.246	5.466	93.95	8.639	≤ 9.30	Pass
11ax-HE20	MCS0	100	5500	5.128	5.493	93.95	8.596	≤ 9.30	Pass
11ax-HE20	MCS0	116	5580	5.322	5.480	93.95	8.683	≤ 9.30	Pass
11ax-HE20	MCS0	140	5700	5.350	5.557	93.95	8.736	≤ 9.30	Pass
11ax-HE20	MCS0	144	5720	5.052	5.696	93.95	8.667	≤ 9.30	Pass
11ax-HE40	MCS0	38	5190	-5.547	-5.776	94.76	-2.416	≤ 15.30	Pass
11ax-HE40	MCS0	46	5230	-6.039	-5.907	94.76	-2.728	≤ 15.30	Pass
11ax-HE40	MCS0	54	5270	3.141	3.340	94.76	6.486	≤ 9.30	Pass
11ax-HE40	MCS0	62	5310	3.378	3.750	94.76	6.812	≤ 9.30	Pass
11ax-HE40	MCS0	102	5510	3.507	3.602	94.76	6.799	≤ 9.30	Pass
11ax-HE40	MCS0	110	5550	3.321	3.398	94.76	6.604	≤ 9.30	Pass
11ax-HE40	MCS0	134	5670	3.124	3.249	94.76	6.431	≤ 9.30	Pass
11ax-HE40	MCS0	142	5710	2.835	3.638	94.76	6.499	≤ 9.30	Pass
11ax-HE80	MCS0	42	5210	-8.867	-8.730	94.78	-5.555	≤ 15.30	Pass
11ax-HE80	MCS0	58	5290	0.111	0.425	94.78	3.514	≤ 9.30	Pass
11ax-HE80	MCS0	106	5530	0.270	0.390	94.78	3.574	≤ 9.30	Pass
11ax-HE80	MCS0	122	5610	0.305	0.470	94.78	3.631	≤ 9.30	Pass
11ax-HE80	MCS0	138	5690	0.565	1.076	94.78	4.071	≤ 9.30	Pass

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

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

Test Site	SR5	Test Engineer	Lynn Yang
Test Date	2023-10-07~2023-12-06	Frequency Band	UNII-3
Antenna Status	Switch On		

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	PSD (dBm/510kHz)		Duty Cycle (%)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Result
				Ant 0	Ant 1				
11a	6Mbps	149	5745	7.806	7.409	92.01	10.984	≤ 28.30	Pass
11a	6Mbps	157	5785	7.974	7.431	92.01	11.083	≤ 28.30	Pass
11a	6Mbps	165	5825	8.297	7.811	92.01	11.433	≤ 28.30	Pass
11ac-VHT20	MCS0	149	5745	7.749	7.517	94.10	10.909	≤ 28.30	Pass
11ac-VHT20	MCS0	157	5785	7.702	7.384	94.10	10.820	≤ 28.30	Pass
11ac-VHT20	MCS0	165	5825	8.055	7.690	94.10	11.151	≤ 28.30	Pass
11ac-VHT40	MCS0	151	5755	4.913	4.621	92.51	8.118	≤ 28.30	Pass
11ac-VHT40	MCS0	159	5795	5.067	4.468	92.51	8.126	≤ 28.30	Pass
11ac-VHT80	MCS0	155	5775	-0.624	-1.094	91.65	2.536	≤ 28.30	Pass
11ax-HE20	MCS0	149	5745	7.486	7.272	93.95	10.662	≤ 28.30	Pass
11ax-HE20	MCS0	157	5785	7.523	7.059	93.95	10.579	≤ 28.30	Pass
11ax-HE20	MCS0	165	5825	7.822	7.342	93.95	10.870	≤ 28.30	Pass
11ax-HE40	MCS0	151	5755	4.601	4.406	94.76	7.749	≤ 28.30	Pass
11ax-HE40	MCS0	159	5795	4.820	4.333	94.76	7.827	≤ 28.30	Pass
11ax-HE80	MCS0	155	5775	0.046	-0.014	94.78	3.259	≤ 28.30	Pass

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/500kHz)

When EUT duty cycle < 98%, Total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 2: PSD Limit (dBm/500KHz) = $30 - (7.7 - 6) = 28.30\text{dBm/MHz}$.

802.11a Power Spectral Density - Ant 0

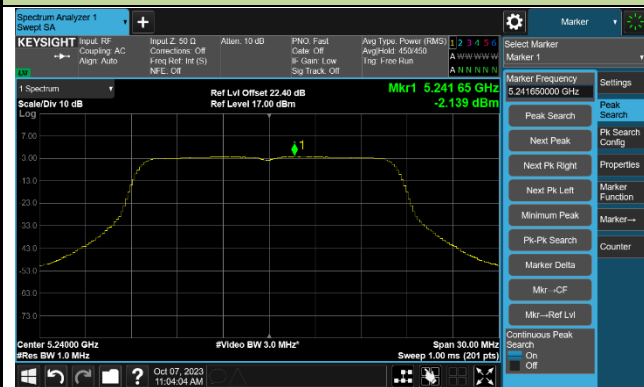
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)

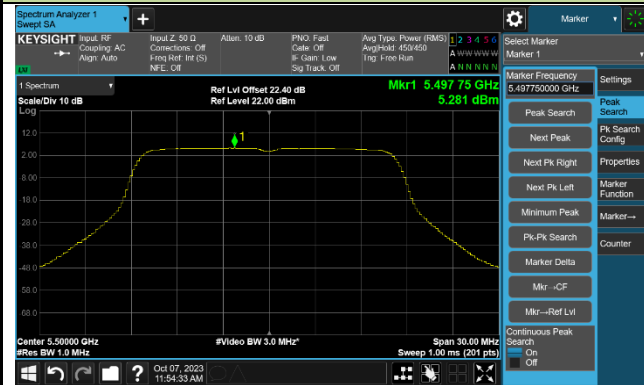


Channel 64 (5320MHz)



802.11a Power Spectral Density - Ant 0

Channel 100 (5500MHz)



Channel 116 (5580MHz)



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)



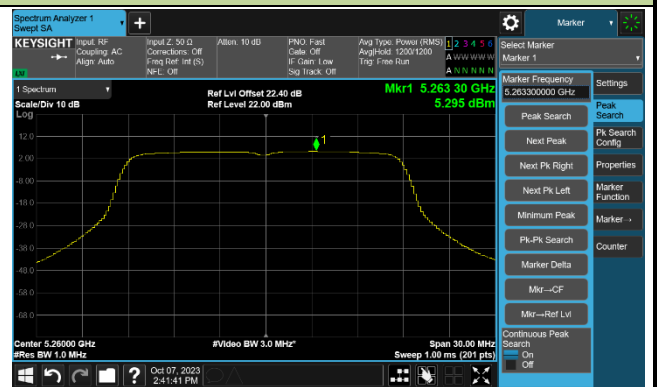
Channel 44 (5220MHz)



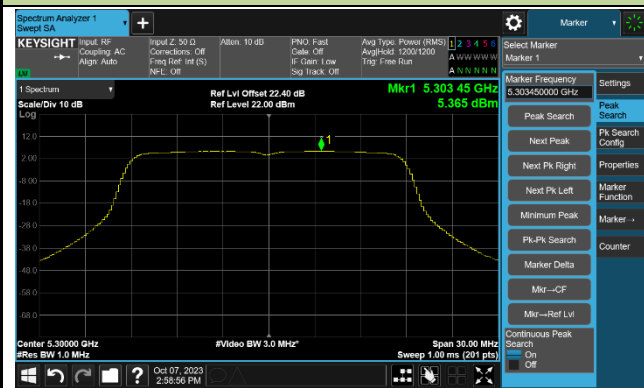
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11ac-VHT20 Power Spectral Density - Ant 0

Channel 100 (5500MHz)



Channel 116 (5580MHz)



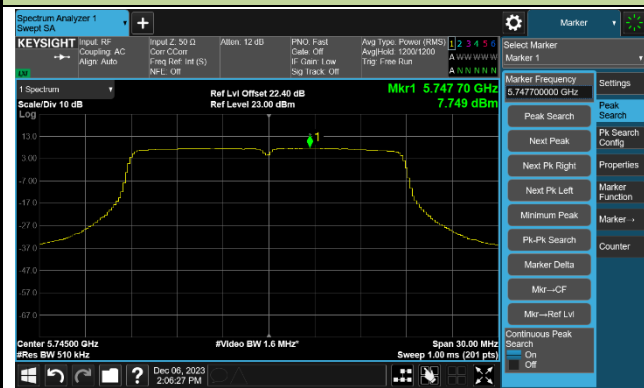
Channel 140 (5700MHz)



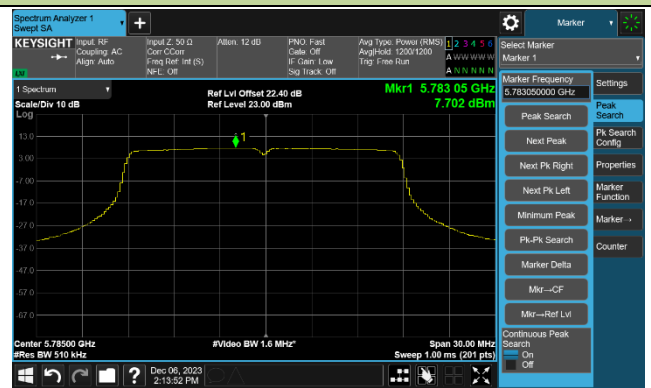
Channel 144 (5720MHz)



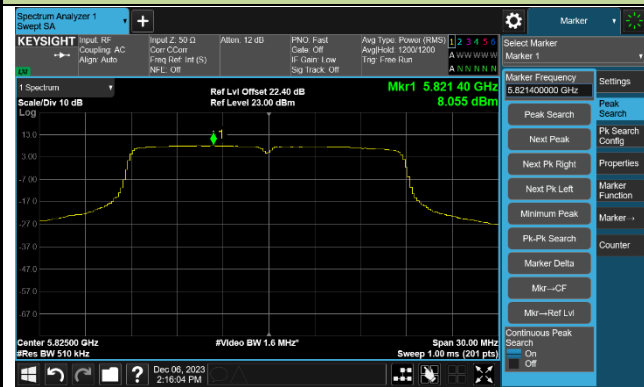
Channel 149 (5745MHz)



Channel 157 (5785MHz)

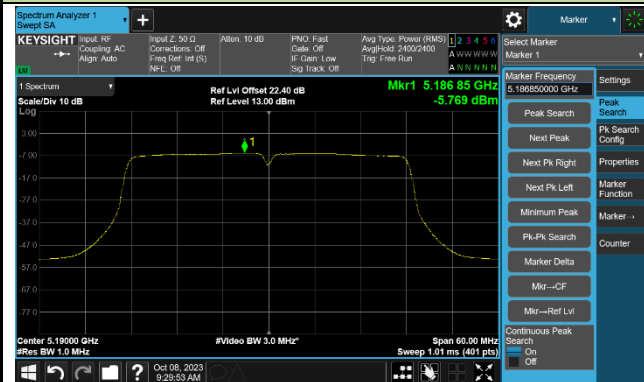


Channel 165 (5825MHz)



802.11ac-VHT40 Power Spectral Density - Ant 0

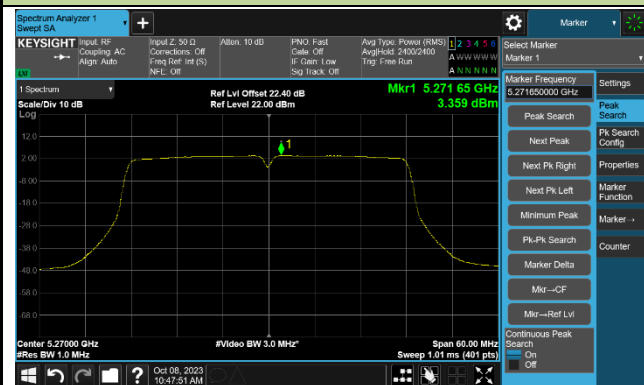
Channel 38 (5190MHz)



Channel 46 (5230MHz)



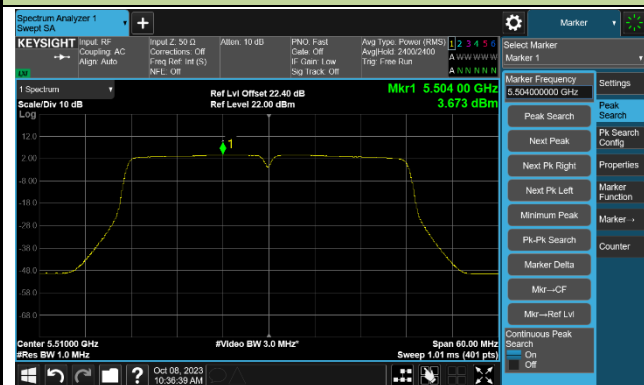
Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)

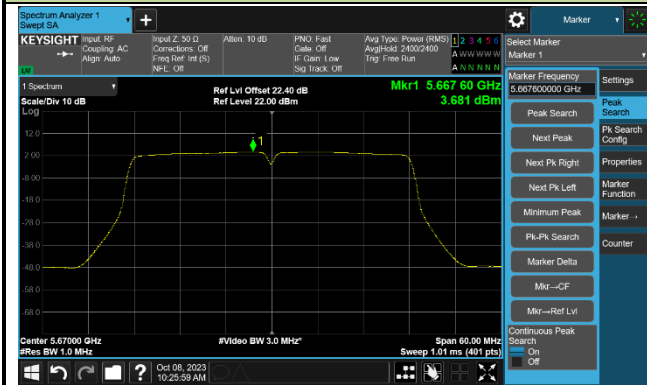


Channel 110 (5550MHz)

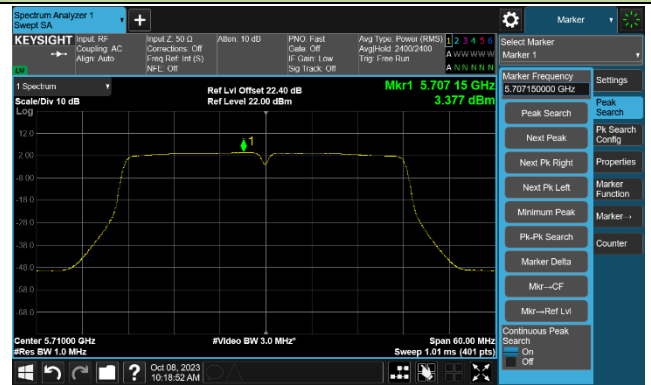


802.11ac-VHT40 Power Spectral Density - Ant 0

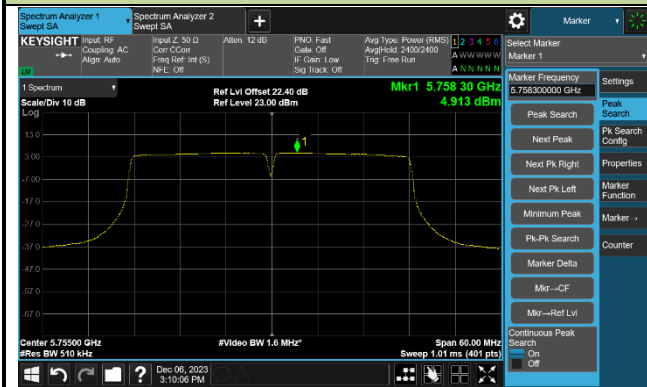
Channel 134 (5670MHz)



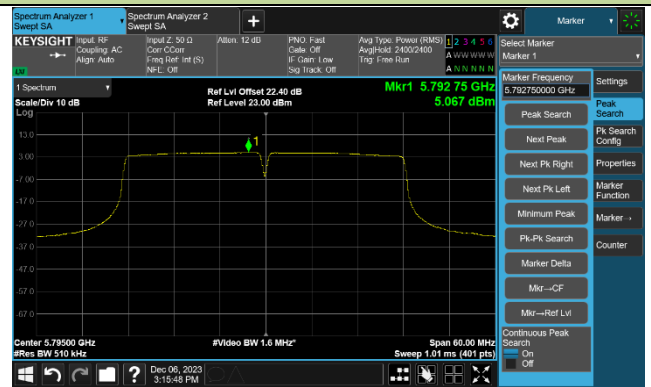
Channel 142 (5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)

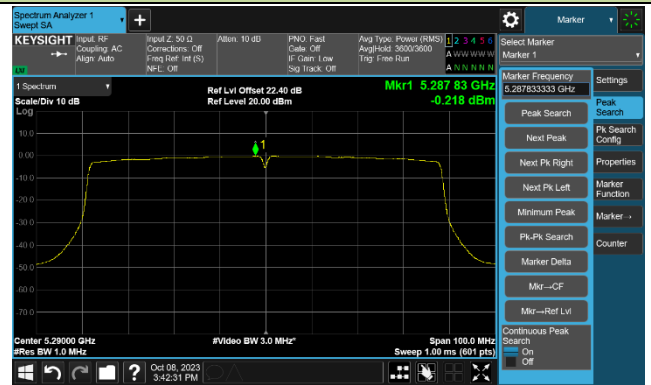


802.11ac-VHT80 Power Spectral Density - Ant 0

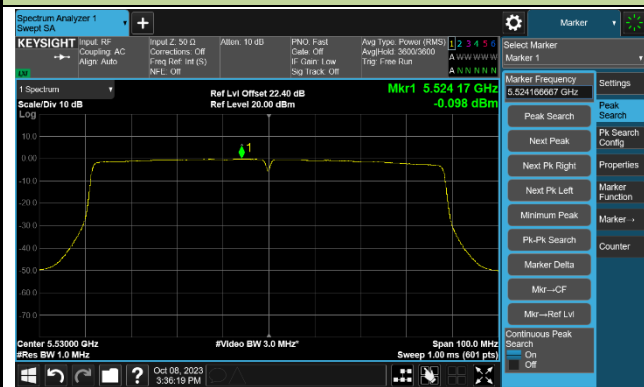
Channel 42 (5210MHz)



Channel 58 (5290MHz)



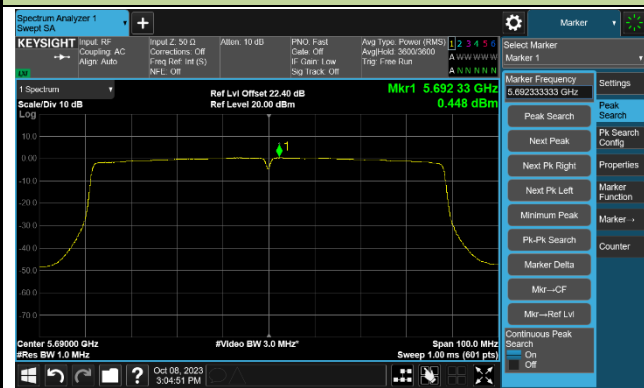
Channel 106 (5530MHz)



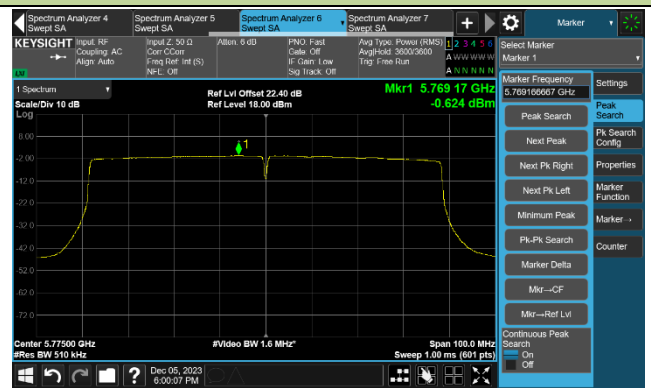
Channel 122 (5610MHz)



Channel 138 (5690MHz)

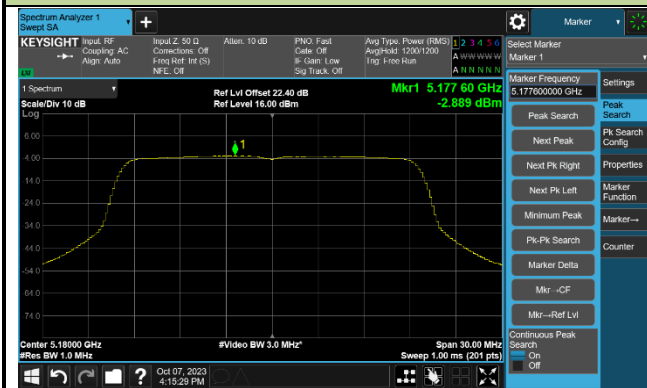


Channel 155 (5775MHz)



802.11ax-HE20 Power Spectral Density - Ant 0

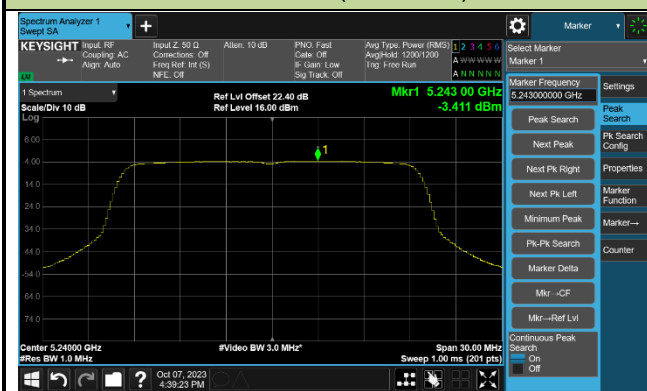
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11ax-HE20 Power Spectral Density - Ant 0

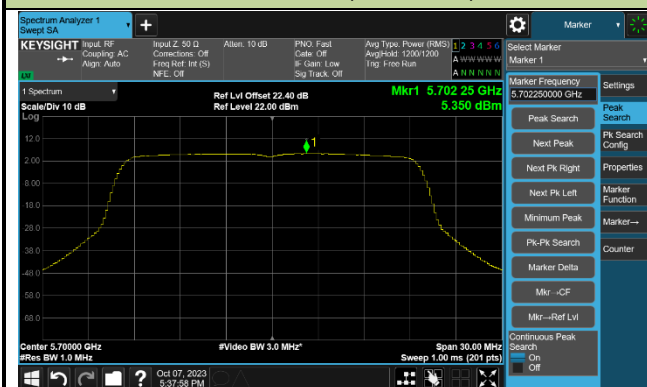
Channel 100 (5500MHz)



Channel 116 (5580MHz)



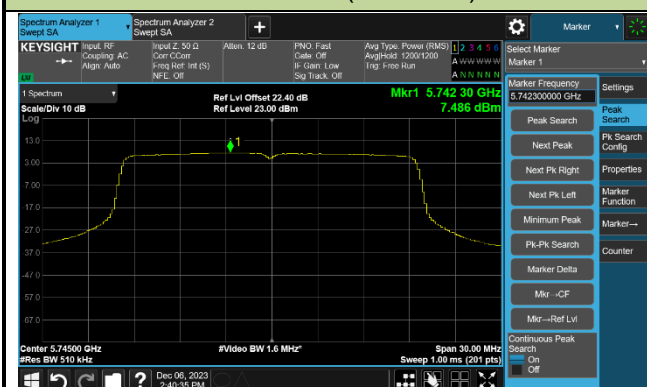
Channel 140 (5700MHz)



Channel 144 (5720MHz)



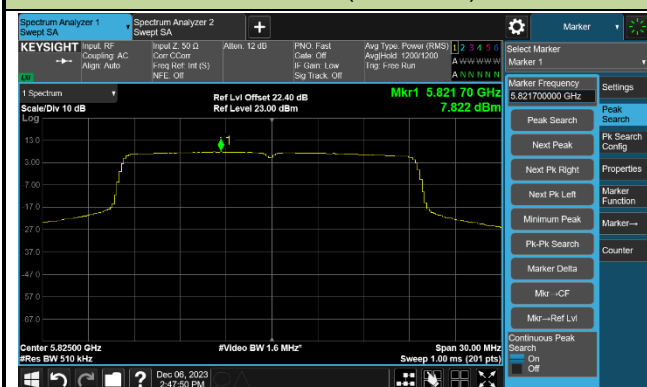
Channel 149 (5745MHz)



Channel 157 (5785MHz)

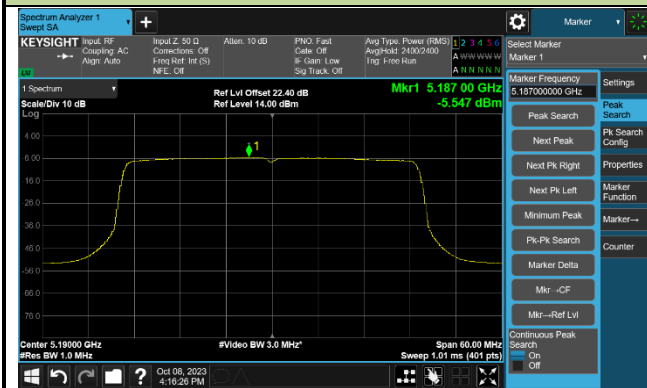


Channel 165 (5825MHz)



802.11ax-HE40 Power Spectral Density - Ant 0

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)

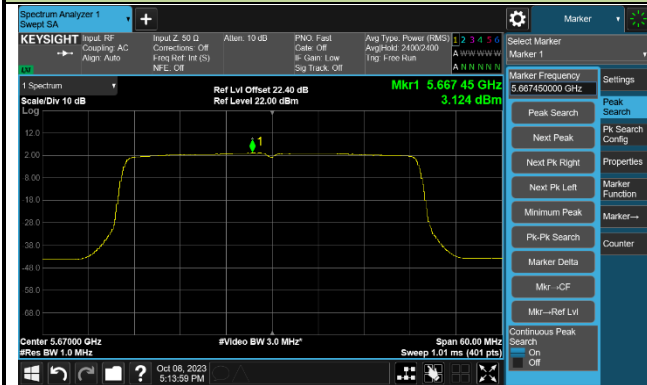


Channel 110 (5550MHz)



802.11ax-HE40 Power Spectral Density - Ant 0

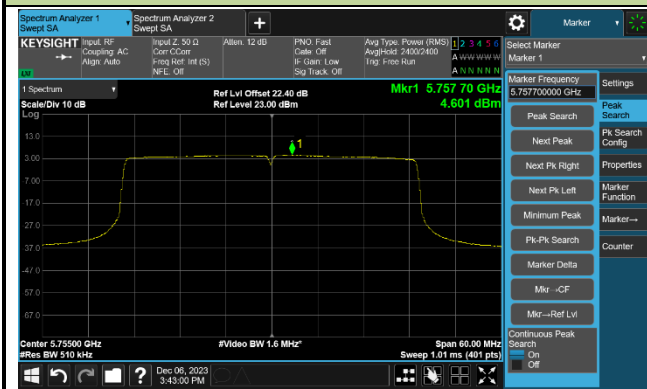
Channel 134 (5670MHz)



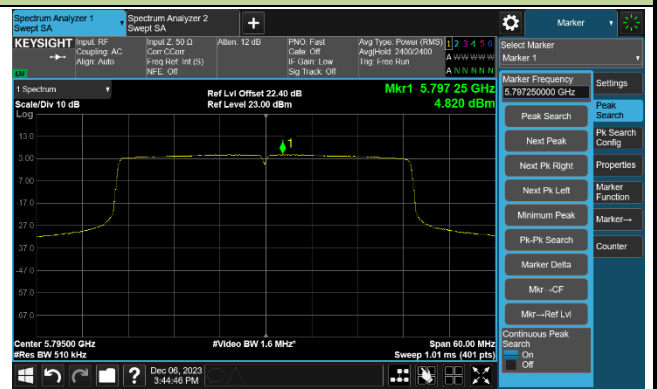
Channel 142 (5710MHz)



Channel 151 (5755MHz)

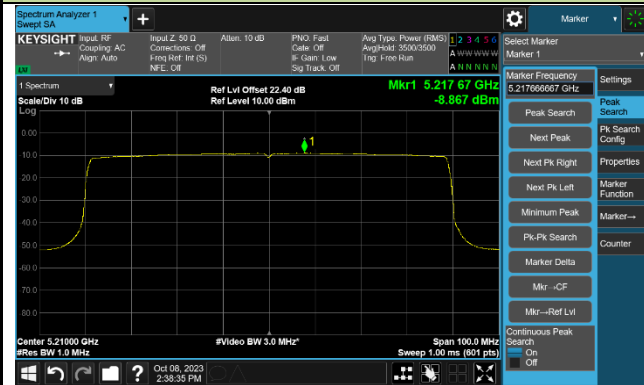


Channel 159 (5795MHz)



802.11ax-HE80 Power Spectral Density - Ant 0

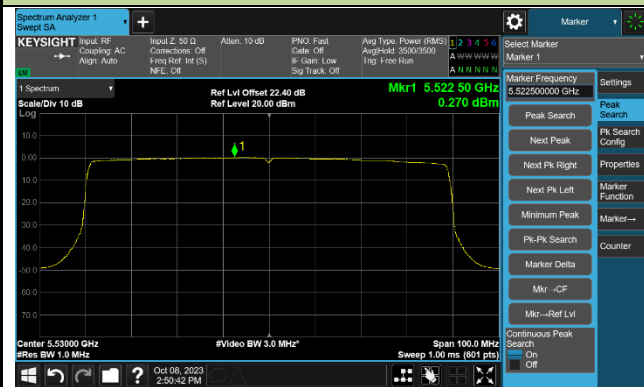
Channel 42 (5210MHz)



Channel 58 (5290MHz)



Channel 106 (5530MHz)



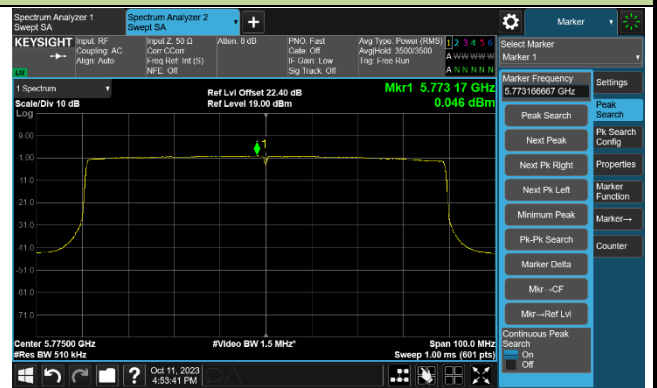
Channel 122 (5610MHz)



Channel 138 (5690MHz)

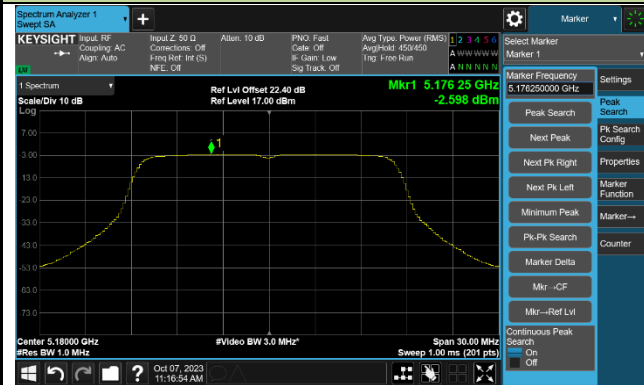


Channel 155 (5775MHz)



802.11a Power Spectral Density - Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

