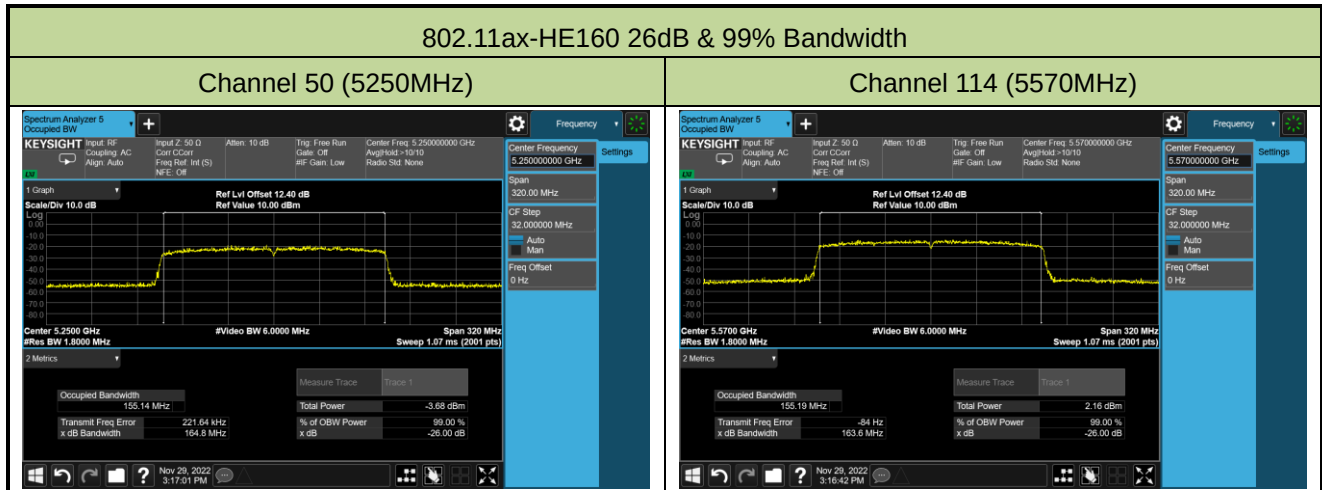




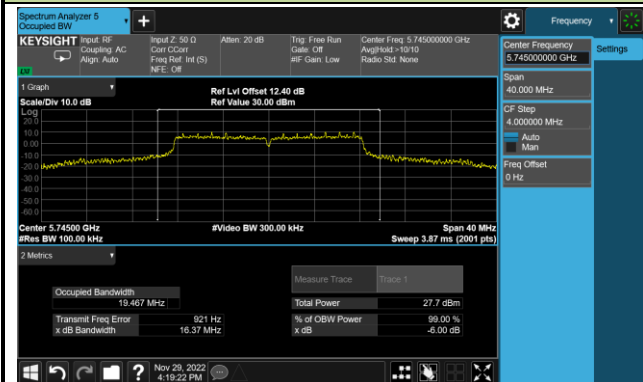
A.3 6dB Bandwidth Test Result

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-29		

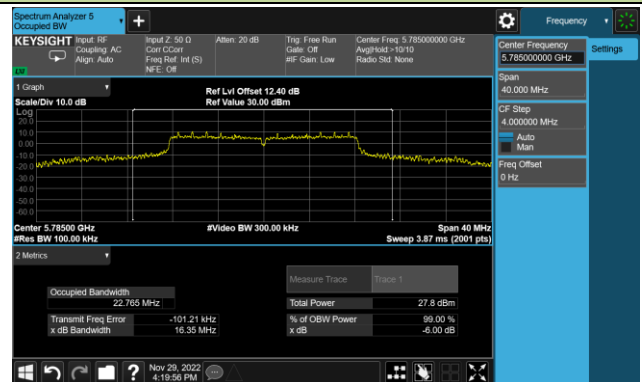
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	16.37	≥0.5
11a	6Mbps	157	5785	16.35	≥0.5
11a	6Mbps	165	5825	16.35	≥0.5
11ac-VHT20	MCS0	149	5745	17.63	≥0.5
11ac-VHT20	MCS0	157	5785	17.62	≥0.5
11ac-VHT20	MCS0	165	5825	17.64	≥0.5
11ac-VHT40	MCS0	151	5755	34.51	≥0.5
11ac-VHT40	MCS0	159	5795	36.33	≥0.5
11ac-VHT80	MCS0	155	5775	74.35	≥0.5
11ax-HE20	MCS0	149	5745	18.99	≥0.5
11ax-HE20	MCS0	157	5785	19.03	≥0.5
11ax-HE20	MCS0	165	5825	18.97	≥0.5
11ax-HE40	MCS0	151	5755	36.86	≥0.5
11ax-HE40	MCS0	159	5795	37.36	≥0.5
11ax-HE80	MCS0	155	5775	76.59	≥0.5

802.11a 6dB Bandwidth

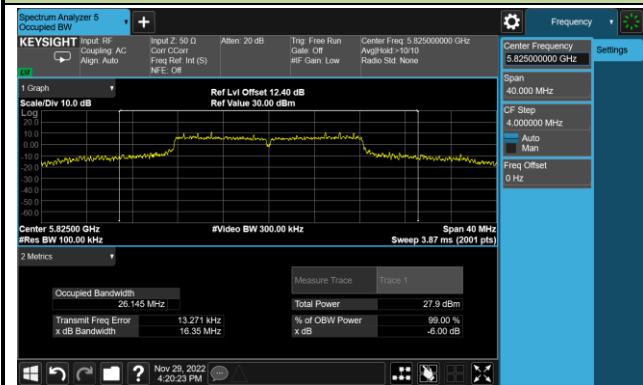
Channel 149 (5745MHz)



Channel 157 (5785MHz)

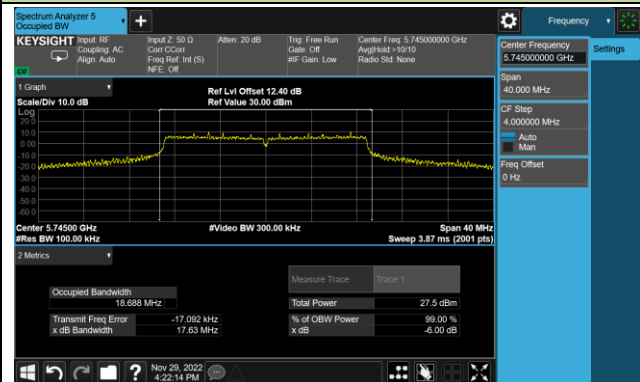


Channel 165 (5825MHz)

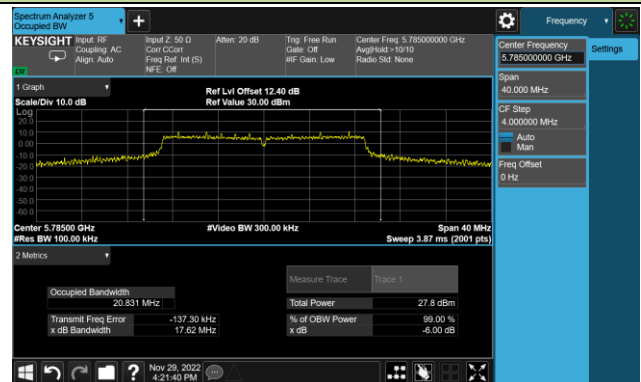


802.11ac-VHT20 6dB Bandwidth

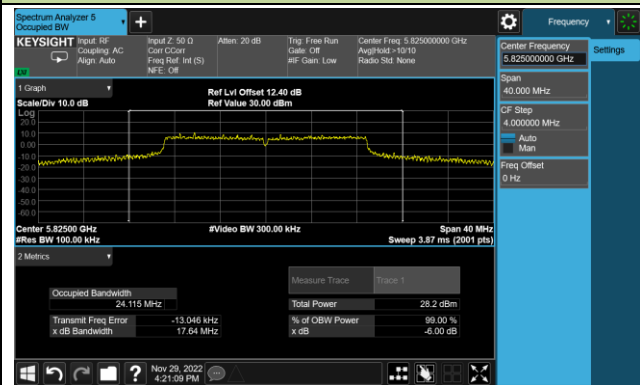
Channel 149 (5745MHz)



Channel 157 (5785MHz)

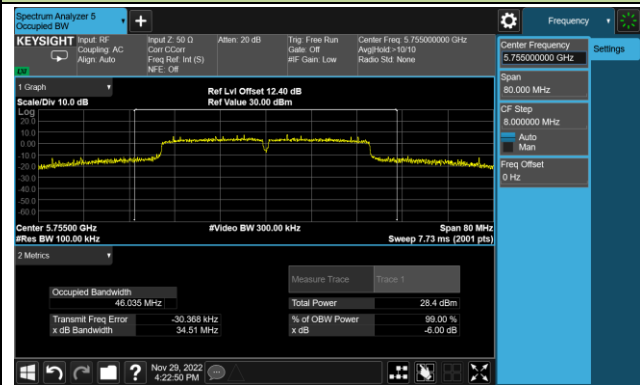


Channel 165 (5825MHz)

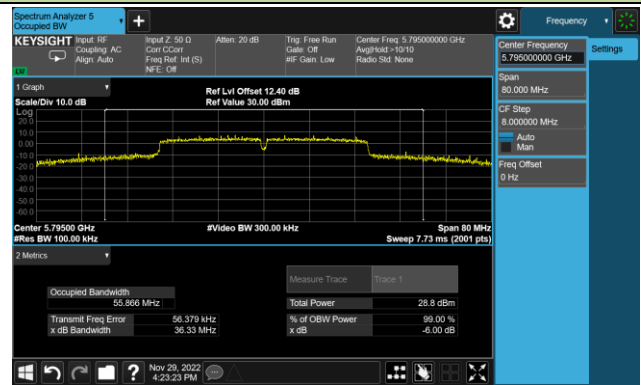


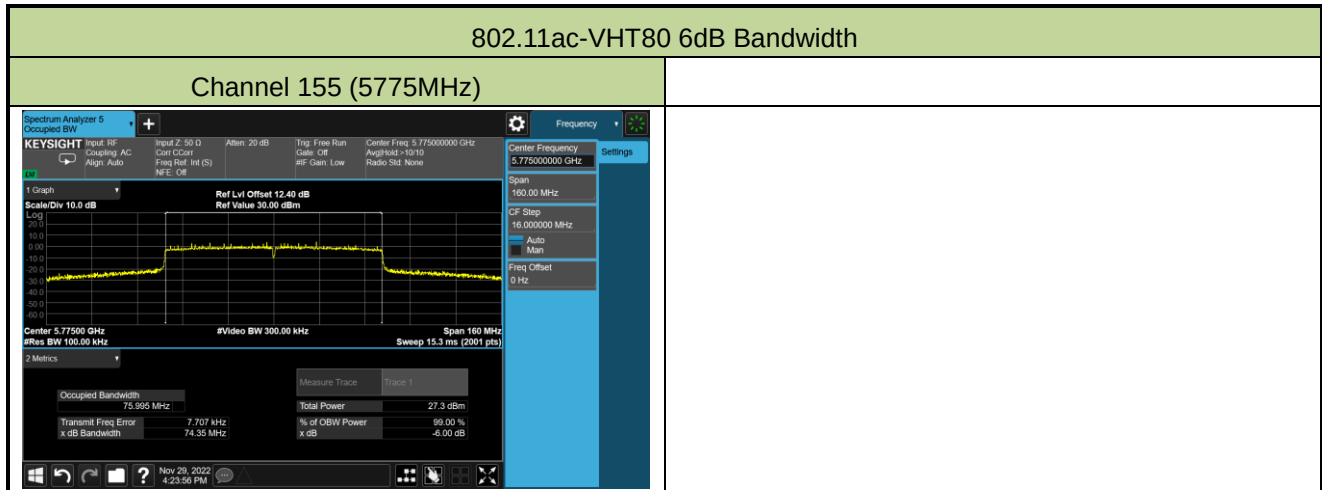
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



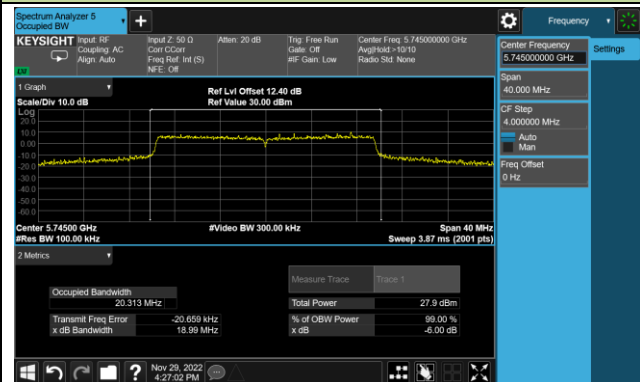
Channel 159 (5795MHz)



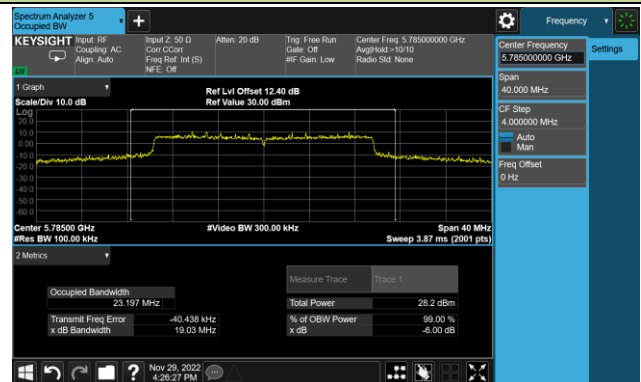


802.11ax-HE20 6dB Bandwidth

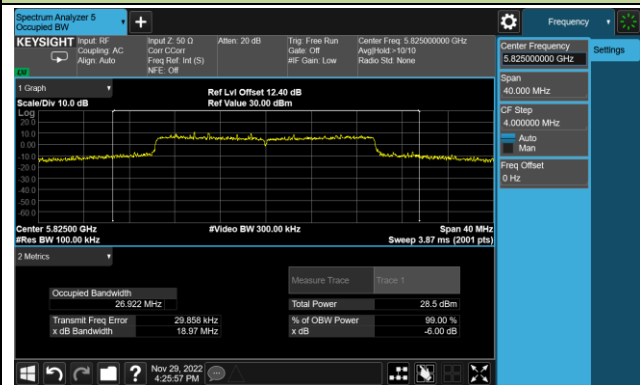
Channel 149 (5745MHz)



Channel 157 (5785MHz)

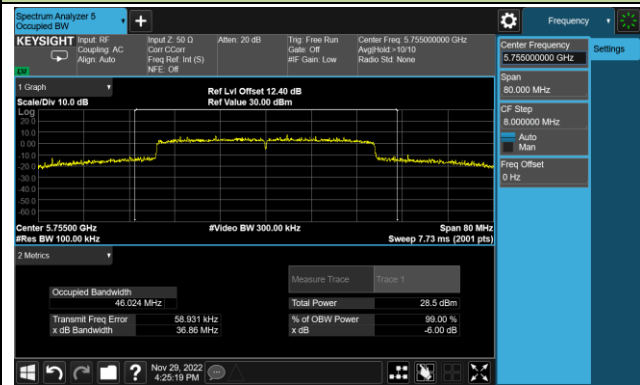


Channel 165 (5825MHz)

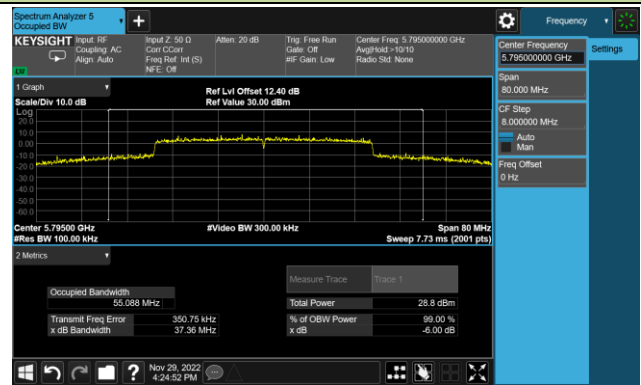


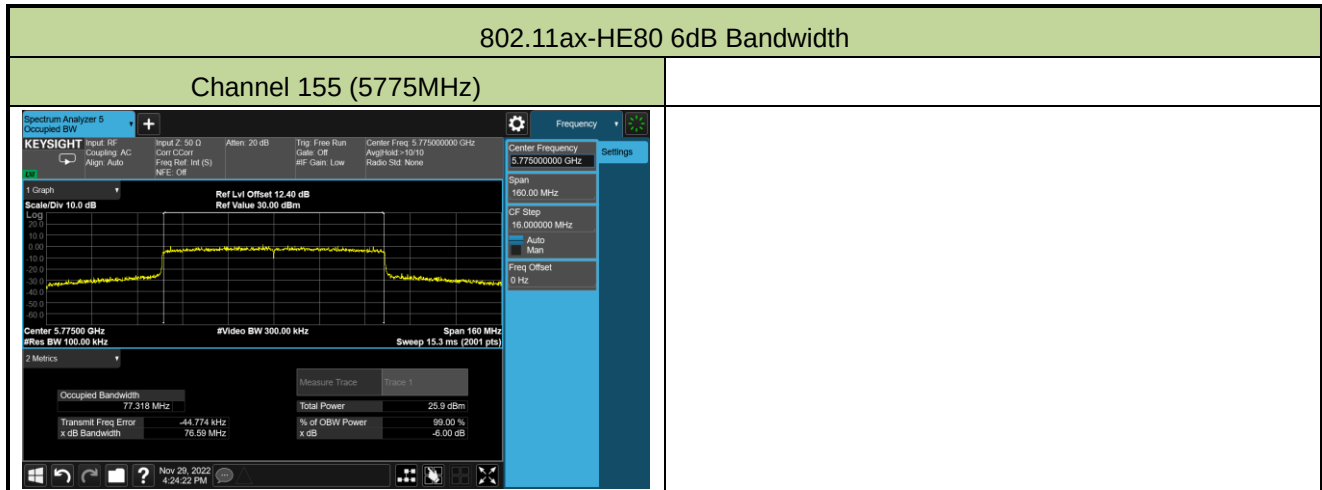
802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)





A.4 Output Power Test Result

Spot Check Data:

Test Site	WZ-TR3	Test Engineer	Luis Yang
Test Date	2023-01-16		
Test Mode	Client Mode		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)			Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1	Ant 2		
11ac-VHT40	MCS0	151	5755	19.85	20.71	20.76	25.23	≤ 29.00
11ac-VHT80	MCS0	106	5530	13.71	14.07	14.11	18.74	≤ 22.98
11ax-HE40	MCS0	159	5795	20.23	20.70	20.62	25.29	≤ 29.00

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

Note 2: Max Conducted Output Power Limit Calculation as below:

For 5250-5350MHz, 5470-5725MHz

802.11ac-VHT40/ax-HE40/ac-VHT80/ax-HE80/ac-VHT160/ax-HE160:11 + $10 \log_{10} B$ - (7dbi-6dbi) > **23.98 – (7dbi-6dbi) dBm**

Original Data:

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-23 ~ 2022-12-23		
Test Mode	Access Point Mode		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)			Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1	Ant 2		
11a	6Mbps	36	5180	15.11	16.19	15.03	20.25	≤ 29.00
11a	6Mbps	44	5220	15.85	16.19	14.62	20.38	≤ 29.00
11a	6Mbps	48	5240	15.87	16.17	14.63	20.38	≤ 29.00
11ac-VHT20	MCS0	36	5180	15.59	15.79	15.57	20.42	≤ 29.00
11ac-VHT20	MCS0	44	5220	15.38	15.84	15.11	20.23	≤ 29.00
11ac-VHT20	MCS0	48	5240	15.32	15.89	15.16	20.24	≤ 29.00
11ac-VHT40	MCS0	38	5190	11.15	11.29	11.56	16.11	≤ 29.00
11ac-VHT40	MCS0	46	5230	17.87	18.51	17.54	22.76	≤ 29.00
11ac-VHT80	MCS0	42	5210	10.46	10.33	10.62	15.24	≤ 29.00
11ax-HE20	MCS0	36	5180	14.74	15.95	15.02	20.04	≤ 29.00
11ax-HE20	MCS0	44	5220	15.67	15.97	14.78	20.27	≤ 29.00
11ax-HE20	MCS0	48	5240	15.62	15.99	14.95	20.31	≤ 29.00
11ax-HE40	MCS0	38	5190	10.82	11.03	11.29	15.82	≤ 29.00
11ax-HE40	MCS0	46	5230	18.57	19.15	18.32	23.47	≤ 29.00
11ax-HE80	MCS0	42	5210	11.28	11.59	11.70	16.30	≤ 29.00

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

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-23 ~ 2022-12-23		
Test Mode	Client Mode		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)			Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1	Ant 2		
11a	6Mbps	36	5180	9.91	10.29	10.55	15.03	≤ 22.98
11a	6Mbps	44	5220	10.43	10.67	10.48	15.30	≤ 22.98
11a	6Mbps	48	5240	9.82	10.08	8.94	14.41	≤ 22.98
11a	6Mbps	52	5260	9.76	10.13	10.03	14.75	≤ 22.95
11a	6Mbps	60	5300	9.75	10.13	9.86	14.69	≤ 22.95
11a	6Mbps	64	5320	9.70	10.07	9.77	14.62	≤ 22.95
11a	6Mbps	100	5500	9.55	9.92	10.24	14.68	≤ 22.95
11a	6Mbps	116	5580	9.89	9.84	10.14	14.73	≤ 22.95
11a	6Mbps	140	5700	9.87	10.14	10.75	15.04	≤ 22.95
11a	6Mbps	144	5720	9.01	9.26	10.19	14.29	≤ 22.78
11a	6Mbps	149	5745	20.64	20.96	21.41	25.79	≤ 29.00
11a	6Mbps	157	5785	20.40	20.70	21.24	25.57	≤ 29.00
11a	6Mbps	165	5825	20.97	20.94	20.74	25.66	≤ 29.00
11ac-VHT20	MCS0	36	5180	9.73	10.17	10.26	14.83	≤ 22.98
11ac-VHT20	MCS0	44	5220	9.74	9.85	9.82	14.57	≤ 22.98
11ac-VHT20	MCS0	48	5240	9.48	9.46	9.88	14.38	≤ 22.98
11ac-VHT20	MCS0	52	5260	9.59	10.00	9.88	14.60	≤ 22.98
11ac-VHT20	MCS0	60	5300	9.60	9.94	9.73	14.53	≤ 22.98
11ac-VHT20	MCS0	64	5320	9.59	9.98	9.61	14.50	≤ 22.98
11ac-VHT20	MCS0	100	5500	9.43	9.74	10.08	14.53	≤ 22.98
11ac-VHT20	MCS0	116	5580	9.71	9.75	9.95	14.58	≤ 22.98
11ac-VHT20	MCS0	140	5700	9.73	10.11	10.66	14.95	≤ 22.98
11ac-VHT20	MCS0	144	5720	9.29	9.70	10.54	14.65	≤ 22.90
11ac-VHT20	MCS0	149	5745	20.58	21.07	21.52	25.84	≤ 29.00
11ac-VHT20	MCS0	157	5785	20.59	20.74	21.32	25.67	≤ 29.00
11ac-VHT20	MCS0	165	5825	20.91	21.05	20.93	25.73	≤ 29.00
11ac-VHT40	MCS0	38	5190	11.15	11.29	11.56	16.11	≤ 22.98
11ac-VHT40	MCS0	46	5230	12.70	12.73	12.95	17.57	≤ 22.98
11ac-VHT40	MCS0	54	5270	12.60	12.71	12.86	17.50	≤ 22.98
11ac-VHT40	MCS0	62	5310	12.56	12.83	12.75	17.49	≤ 22.98
11ac-VHT40	MCS0	102	5510	12.46	12.63	12.58	17.33	≤ 22.98

11ac-VHT40	MCS0	110	5550	12.57	12.59	12.49	17.32	≤ 22.98
11ac-VHT40	MCS0	134	5670	12.51	12.62	12.66	17.37	≤ 22.98
11ac-VHT40	MCS0	142	5710	12.51	12.97	13.32	17.72	≤ 22.98
11ac-VHT40	MCS0	151	5755	21.25	21.38	21.90	26.29	≤ 29.00
11ac-VHT40	MCS0	159	5795	20.87	21.25	21.81	26.10	≤ 29.00
11ac-VHT80	MCS0	42	5210	10.46	10.33	10.62	15.24	≤ 22.98
11ac-VHT80	MCS0	58	5290	9.66	9.63	9.73	14.44	≤ 22.98
11ac-VHT80	MCS0	106	5530	13.44	13.33	13.47	18.18	≤ 22.98
11ac-VHT80	MCS0	122	5610	15.52	15.95	15.47	20.42	≤ 22.98
11ac-VHT80	MCS0	138	5690	15.47	15.72	16.29	20.61	≤ 22.98
11ac-VHT80	MCS0	155	5775	18.57	18.99	19.67	23.87	≤ 29.00
11ac-VHT160	MCS0	50	5250	9.81	9.59	9.78	14.50	≤ 22.98
11ac-VHT160	MCS0	114	5570	12.54	13.21	13.15	17.75	≤ 22.98
11ax-HE20	MCS0	36	5180	10.21	10.40	10.67	15.20	≤ 22.98
11ax-HE20	MCS0	44	5220	10.75	10.99	10.64	15.57	≤ 22.98
11ax-HE20	MCS0	48	5240	10.14	10.48	10.44	15.13	≤ 22.98
11ax-HE20	MCS0	52	5260	10.09	10.13	10.19	14.91	≤ 22.98
11ax-HE20	MCS0	60	5300	10.10	10.10	10.28	14.93	≤ 22.98
11ax-HE20	MCS0	64	5320	9.99	10.40	10.30	15.00	≤ 22.98
11ax-HE20	MCS0	100	5500	9.80	10.19	10.68	15.01	≤ 22.98
11ax-HE20	MCS0	116	5580	10.12	10.21	10.55	15.07	≤ 22.98
11ax-HE20	MCS0	140	5700	10.16	10.46	11.04	15.34	≤ 22.98
11ax-HE20	MCS0	144	5720	9.56	10.14	10.99	15.04	≤ 22.98
11ax-HE20	MCS0	149	5745	20.93	21.29	21.88	26.16	≤ 29.00
11ax-HE20	MCS0	157	5785	20.69	20.88	21.55	25.83	≤ 29.00
11ax-HE20	MCS0	165	5825	21.23	21.30	20.99	25.95	≤ 29.00
11ax-HE40	MCS0	38	5190	10.82	11.03	11.29	15.82	≤ 22.98
11ax-HE40	MCS0	46	5230	13.27	13.30	13.30	18.06	≤ 22.98
11ax-HE40	MCS0	54	5270	13.14	13.18	13.33	17.99	≤ 22.98
11ax-HE40	MCS0	62	5310	11.08	11.23	11.33	15.99	≤ 22.98
11ax-HE40	MCS0	102	5510	13.02	12.95	13.26	17.85	≤ 22.98
11ax-HE40	MCS0	110	5550	12.85	13.01	13.28	17.82	≤ 22.98
11ax-HE40	MCS0	134	5670	12.53	12.61	13.08	17.52	≤ 22.98
11ax-HE40	MCS0	142	5710	12.92	13.45	13.71	18.14	≤ 22.98
11ax-HE40	MCS0	151	5755	20.70	20.86	21.72	25.89	≤ 29.00
11ax-HE40	MCS0	159	5795	20.89	21.19	21.83	26.09	≤ 29.00
11ax-HE80	MCS0	42	5210	11.28	11.59	11.70	16.30	≤ 22.98
11ax-HE80	MCS0	58	5290	10.45	11.16	10.97	15.64	≤ 22.98

11ax-HE80	MCS0	106	5530	13.41	13.60	13.48	18.27	≤ 22.98
11ax-HE80	MCS0	122	5610	15.74	15.87	15.85	20.59	≤ 22.98
11ax-HE80	MCS0	138	5690	15.56	15.88	16.44	20.75	≤ 22.98
11ax-HE80	MCS0	155	5775	17.31	17.46	17.94	22.35	≤ 29.00
11ax-HE160	MCS0	50	5250	9.50	9.35	9.69	14.29	≤ 22.98
11ax-HE160	MCS0	114	5570	14.04	14.81	14.76	19.32	≤ 22.98

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

Note 2: Max Conducted Output Power Limit Calculation as below:

For 5250-5350MHz, 5470-5725MHz

802.11a: $11 + 10 \log_{10} (19.74\text{MHz}) - 1 = \mathbf{22.95dBm} < 23.98 -1\text{dBm}$

802.11ac-VHT20: $11 + 10 \log_{10} (20.89\text{MHz}) - 1 = \mathbf{23.20dBm} > 23.98 -1\text{dBm}$

802.11ax-HE20: $11 + 10 \log_{10} (21.14\text{MHz}) - 1 = \mathbf{23.25dBm} > 23.98 -1\text{dBm}$

802.11ac-VHT40/ax-HE40/ac-VHT80/ax-HE80/ac-VHT160/ax-HE160: $11 + 10 \log_{10} B - 1 > \mathbf{23.98}$

-1dBm

Note 3: For 5720MHz, Average Power Limit = $11 + 10 \cdot \log(5 + 26\text{dBc}/2)$.

A.5 Power Spectral Density Test Result

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-22~2022-12-12		
Test Item	Power Spectral Density (UNII-Band 1)		
Test Mode	Access Point Mode		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)			Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1	Ant 2			
11a	6Mbps	36	5180	3.244	4.311	3.356	96.81	8.58	≤ 11.23
11a	6Mbps	44	5220	4.048	4.014	2.827	96.81	8.58	≤ 11.23
11a	6Mbps	48	5240	4.025	4.293	2.727	96.81	8.65	≤ 11.23
11ac-VHT20	MCS0	36	5180	3.049	3.370	2.942	89.38	8.38	≤ 11.23
11ac-VHT20	MCS0	44	5220	2.658	3.220	2.516	89.38	8.07	≤ 11.23
11ac-VHT20	MCS0	48	5240	2.755	3.316	2.776	89.38	8.22	≤ 11.23
11ac-VHT40	MCS0	38	5190	-4.586	-4.154	-3.960	81.86	1.41	≤ 11.23
11ac-VHT40	MCS0	46	5230	2.543	3.324	2.110	81.86	8.33	≤ 11.23
11ac-VHT80	MCS0	42	5210	-7.662	-7.451	-7.475	90.48	-2.32	≤ 11.23
11ax-HE20	MCS0	36	5180	2.388	3.583	2.747	92.82	8.03	≤ 11.23
11ax-HE20	MCS0	44	5220	3.221	3.545	2.428	92.82	8.18	≤ 11.23
11ax-HE20	MCS0	48	5240	3.229	3.626	2.459	92.82	8.23	≤ 11.23
11ax-HE40	MCS0	38	5190	-4.025	-3.395	-3.453	94.03	1.42	≤ 11.23
11ax-HE40	MCS0	46	5230	3.092	3.731	3.134	94.03	8.37	≤ 11.23
11ax-HE80	MCS0	42	5210	-7.260	-6.670	-6.946	91.88	-1.81	≤ 11.23

Note: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)}\}$.

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-22~2022-11-29		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		
Test Mode	Client Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)			Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1	Ant 2			
11a	6Mbps	36	5180	-2.863	-2.299	-2.231	96.81	2.46	≤ 5.23
11a	6Mbps	44	5220	-2.357	-2.428	-2.537	96.81	2.47	≤ 5.23
11a	6Mbps	48	5240	-2.911	-2.646	-2.751	96.81	2.14	≤ 5.23
11a	6Mbps	52	5260	-2.672	-2.048	-2.436	96.81	2.53	≤ 5.23
11a	6Mbps	60	5300	-2.692	-2.359	-2.741	96.81	2.32	≤ 5.23
11a	6Mbps	64	5320	-2.639	-2.502	-2.647	96.81	2.32	≤ 5.23
11a	6Mbps	100	5500	-3.029	-2.708	-2.125	96.81	2.31	≤ 5.23
11a	6Mbps	116	5580	-2.556	-2.848	-2.070	96.81	2.43	≤ 5.23
11a	6Mbps	140	5700	-2.714	-2.221	-1.751	96.81	2.70	≤ 5.23
11a	6Mbps	144	5720	-3.006	-3.256	-2.203	96.81	2.11	≤ 5.23
11ac-VHT20	MCS0	36	5180	-3.543	-3.105	-2.887	89.38	2.09	≤ 5.23
11ac-VHT20	MCS0	44	5220	-3.464	-3.256	-3.207	89.38	1.95	≤ 5.23
11ac-VHT20	MCS0	48	5240	-3.246	-3.149	-3.224	89.38	2.05	≤ 5.23
11ac-VHT20	MCS0	52	5260	-3.375	-2.761	-3.117	89.38	2.18	≤ 5.23
11ac-VHT20	MCS0	60	5300	-3.377	-3.227	-3.388	89.38	1.93	≤ 5.23
11ac-VHT20	MCS0	64	5320	-3.397	-2.917	-3.341	89.38	2.05	≤ 5.23
11ac-VHT20	MCS0	100	5500	-3.768	-3.298	-2.967	89.38	1.93	≤ 5.23
11ac-VHT20	MCS0	116	5580	-3.442	-3.350	-2.937	89.38	2.02	≤ 5.23
11ac-VHT20	MCS0	140	5700	-3.181	-3.006	-2.351	89.38	2.43	≤ 5.23
11ac-VHT20	MCS0	144	5720	-3.478	-3.121	-2.451	89.38	2.26	≤ 5.23
11ac-VHT40	MCS0	38	5190	-4.586	-4.154	-3.960	81.86	1.41	≤ 5.23
11ac-VHT40	MCS0	46	5230	-3.347	-3.660	-2.528	81.86	2.49	≤ 5.23
11ac-VHT40	MCS0	54	5270	-3.425	-3.408	-3.331	81.86	2.25	≤ 5.23
11ac-VHT40	MCS0	62	5310	-3.331	-3.224	-3.362	81.86	2.34	≤ 5.23
11ac-VHT40	MCS0	102	5510	-3.537	-3.402	-3.500	81.86	2.16	≤ 5.23
11ac-VHT40	MCS0	110	5550	-3.237	-3.566	-3.375	81.86	2.25	≤ 5.23
11ac-VHT40	MCS0	134	5670	-3.772	-3.580	-3.608	81.86	1.99	≤ 5.23
11ac-VHT40	MCS0	142	5710	-3.509	-2.982	-2.808	81.86	2.55	≤ 5.23

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)			Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/M Hz)
				Ant 0	Ant 1	Ant 2			
11ac-VHT80	MCS0	42	5210	-7.662	-7.451	-7.475	90.48	-2.32	≤ 5.23
11ac-VHT80	MCS0	58	5290	-8.006	-7.346	-7.525	90.48	-2.41	≤ 5.23
11ac-VHT80	MCS0	106	5530	-4.259	-3.976	-4.841	90.48	0.86	≤ 5.23
11ac-VHT80	MCS0	122	5610	-3.284	-2.997	-3.042	90.48	2.10	≤ 5.23
11ac-VHT80	MCS0	138	5690	-2.989	-2.642	-2.011	90.48	2.68	≤ 5.23
11ac-VHT160	MCS0	50	5250	-11.565	-11.183	-11.322	88.26	-6.04	≤ 5.23
11ac-VHT160	MCS0	114	5570	-5.005	-4.614	-4.675	88.26	0.55	≤ 5.23
11ax-HE20	MCS0	36	5180	-3.633	-3.166	-2.548	92.82	2.00	≤ 5.23
11ax-HE20	MCS0	44	5220	-2.952	-2.773	-2.487	92.82	2.36	≤ 5.23
11ax-HE20	MCS0	48	5240	-3.173	-2.850	-2.719	92.82	2.18	≤ 5.23
11ax-HE20	MCS0	52	5260	-3.043	-2.687	-2.547	92.82	2.34	≤ 5.23
11ax-HE20	MCS0	60	5300	-2.862	-2.583	-2.732	92.82	2.37	≤ 5.23
11ax-HE20	MCS0	64	5320	-2.898	-2.855	-2.832	92.82	2.23	≤ 5.23
11ax-HE20	MCS0	100	5500	-3.445	-3.080	-2.511	92.82	2.10	≤ 5.23
11ax-HE20	MCS0	116	5580	-3.009	-3.048	-2.672	92.82	2.19	≤ 5.23
11ax-HE20	MCS0	140	5700	-2.952	-2.766	-2.013	92.82	2.54	≤ 5.23
11ax-HE20	MCS0	144	5720	-3.083	-2.899	-1.811	92.82	2.53	≤ 5.23
11ax-HE40	MCS0	38	5190	-4.025	-3.395	-3.453	94.03	1.42	≤ 5.23
11ax-HE40	MCS0	46	5230	-3.111	-3.013	-2.877	94.03	2.04	≤ 5.23
11ax-HE40	MCS0	54	5270	-2.782	-2.669	-2.490	94.03	2.39	≤ 5.23
11ax-HE40	MCS0	62	5310	-3.507	-2.985	-3.143	94.03	1.83	≤ 5.23
11ax-HE40	MCS0	102	5510	-3.177	-3.077	-2.736	94.03	2.05	≤ 5.23
11ax-HE40	MCS0	110	5550	-3.000	-3.121	-2.842	94.03	2.05	≤ 5.23
11ax-HE40	MCS0	134	5670	-3.221	-3.138	-2.880	94.03	1.96	≤ 5.23
11ax-HE40	MCS0	142	5710	-2.925	-2.486	-2.002	94.03	2.58	≤ 5.23
11ax-HE80	MCS0	42	5210	-7.260	-6.670	-6.946	91.88	-1.81	≤ 5.23
11ax-HE80	MCS0	58	5290	-7.590	-6.951	-7.090	91.88	-2.06	≤ 5.23
11ax-HE80	MCS0	106	5530	-5.012	-4.603	-4.862	91.88	0.32	≤ 5.23
11ax-HE80	MCS0	122	5610	-3.241	-2.850	-3.021	91.88	2.10	≤ 5.23
11ax-HE80	MCS0	138	5690	-3.339	-3.141	-2.374	91.88	2.21	≤ 5.23
11ax-HE160	MCS0	50	5250	-11.510	-11.660	-11.296	92.60	-6.38	≤ 5.23
11ax-HE160	MCS0	114	5570	-5.817	-5.403	-5.373	92.60	-0.42	≤ 5.23

Note: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

When EUT duty cycle $\geq 98\%$, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)}\}$.

Test Site	WZ-TR3	Test Engineer	Lynn Yang
Test Date	2022-11-24~2022-11-25		
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	Ant 2			
11a	6Mbps	149	5745	5.964	6.472	7.019	96.81	11.42	≤ 24.23
11a	6Mbps	157	5785	5.865	6.512	6.917	96.81	11.36	≤ 24.23
11a	6Mbps	165	5825	6.223	6.580	6.417	96.81	11.32	≤ 24.23
11ac-VHT20	MCS0	149	5745	5.083	5.890	6.251	89.38	11.03	≤ 24.23
11ac-VHT20	MCS0	157	5785	5.338	5.666	5.802	89.38	10.87	≤ 24.23
11ac-VHT20	MCS0	165	5825	5.508	5.918	5.563	89.38	10.93	≤ 24.23
11ac-VHT40	MCS0	151	5755	2.223	2.918	3.286	81.86	8.47	≤ 24.23
11ac-VHT40	MCS0	159	5795	2.150	2.904	3.193	81.86	8.41	≤ 24.23
11ac-VHT80	MCS0	155	5775	-1.257	-1.060	-0.681	90.48	4.21	≤ 24.23
11ax-HE20	MCS0	149	5745	4.889	5.527	6.027	92.82	10.60	≤ 24.23
11ax-HE20	MCS0	157	5785	5.016	5.514	5.735	92.82	10.53	≤ 24.23
11ax-HE20	MCS0	165	5825	5.270	5.864	5.352	92.82	10.60	≤ 24.23
11ax-HE40	MCS0	151	5755	2.291	3.046	3.009	94.03	7.83	≤ 24.23
11ax-HE40	MCS0	159	5795	2.367	3.105	3.302	94.03	7.98	≤ 24.23
11ax-HE80	MCS0	155	5775	-2.895	-2.220	-1.923	91.88	-0.42	≤ 24.23

Note 1:

When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

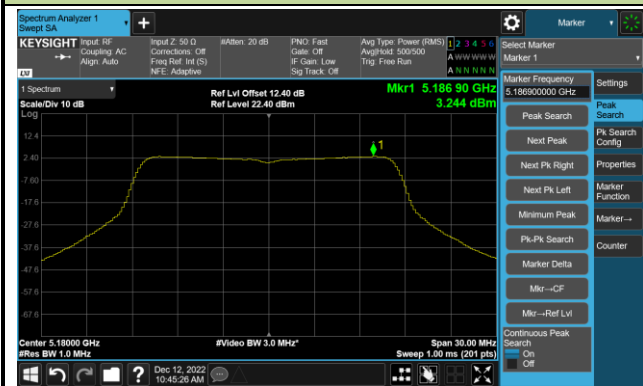
When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)}\}$.

Note 2: PSD Limit (dBm/500KHz) = 30 - (11.77 - 6) = 24.23 (dBm/500kHz)

Access Point Mode

802.11a Power Spectral Density- Ant 0

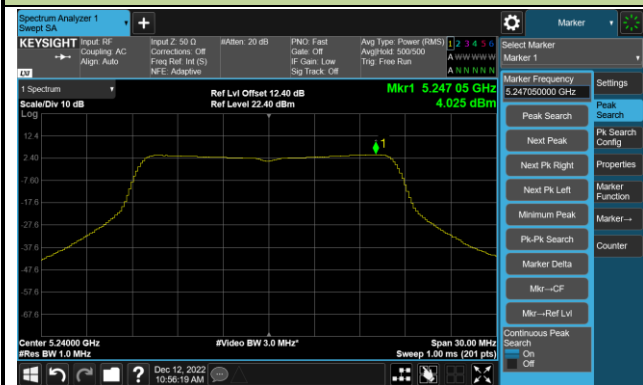
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



802.11ac-VHT20 Power Spectral Density- Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)

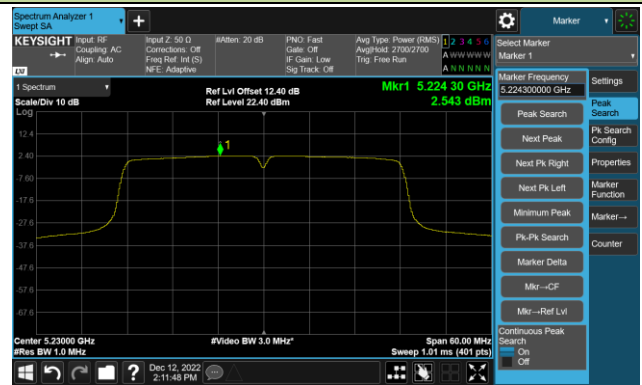


802.11ac-VHT40 Power Spectral Density- Ant 0

Channel 38 (5190MHz)

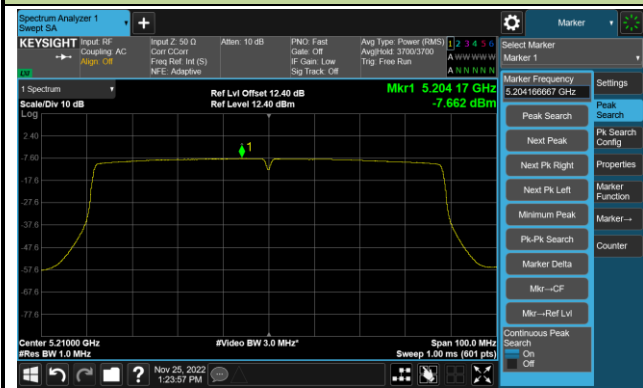


Channel 46 (5230MHz)



802.11ac-VHT80 Power Spectral Density- Ant 0

Channel 42 (5210MHz)



802.11ax-HE20 Power Spectral Density- Ant 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)

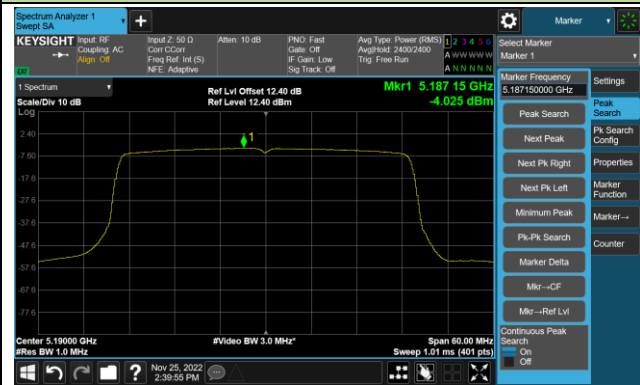


Channel 48 (5240MHz)



802.11ax-HE40 Power Spectral Density- Ant 0

Channel 38 (5190MHz)



Channel 46 (5230MHz)



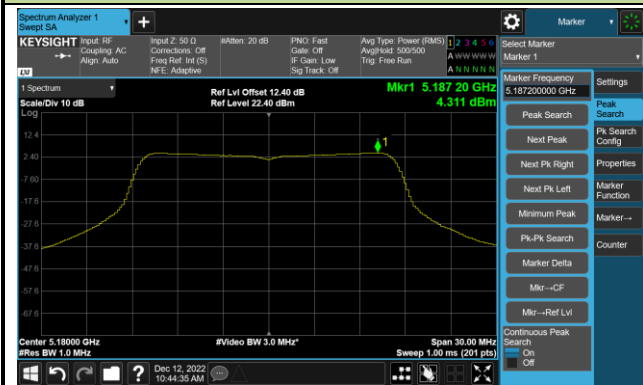
802.11ax-HE80 Power Spectral Density- Ant 0

Channel 42 (5210MHz)

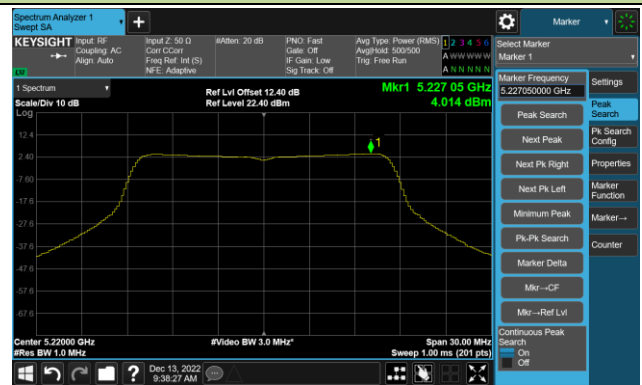


802.11a Power Spectral Density- Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



802.11ac-VHT20 Power Spectral Density- Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)

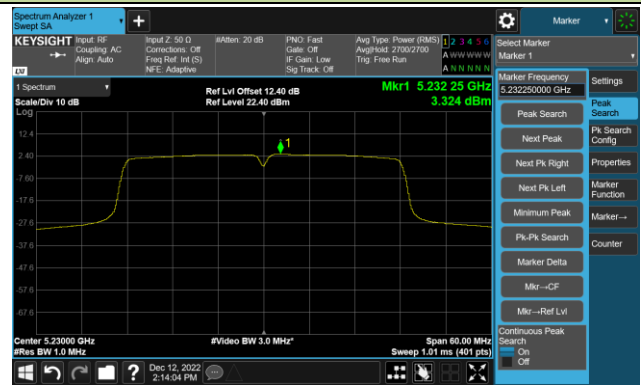


802.11ac-VHT40 Power Spectral Density- Ant 1

Channel 38 (5190MHz)

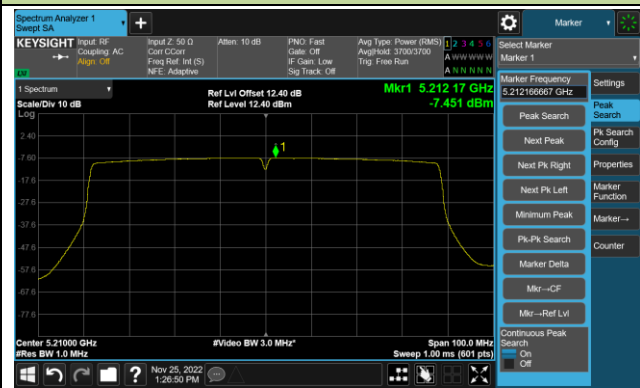


Channel 46 (5230MHz)



802.11ac-VHT80 Power Spectral Density- Ant 1

Channel 42 (5210MHz)



802.11ax-HE20 Power Spectral Density- Ant 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)

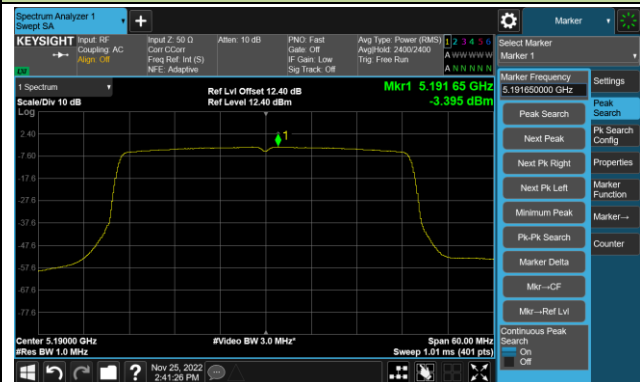


Channel 48 (5240MHz)



802.11ax-HE40 Power Spectral Density- Ant 1

Channel 38 (5190MHz)

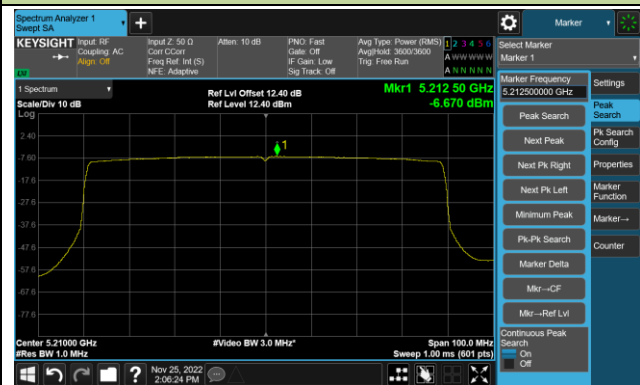


Channel 46 (5230MHz)



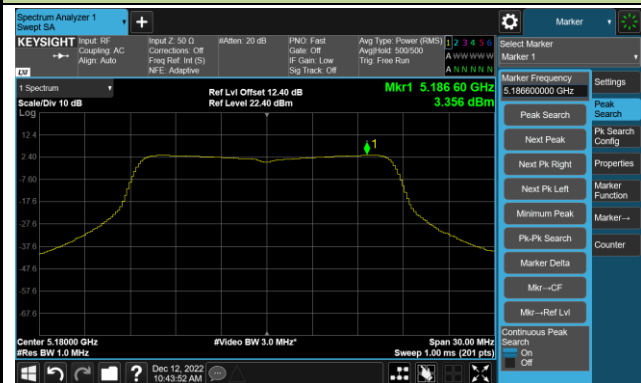
802.11ax-HE80 Power Spectral Density- Ant 1

Channel 42 (5210MHz)



802.11a Power Spectral Density- Ant 2

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)

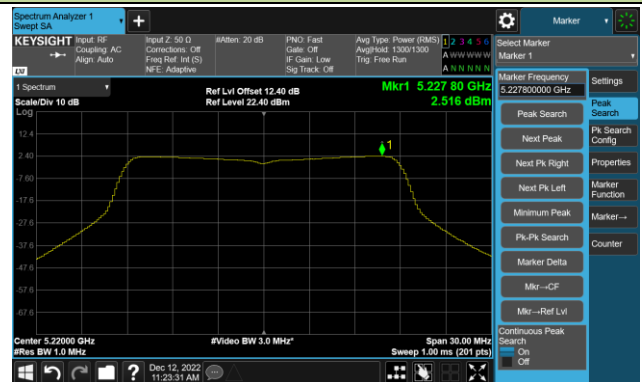


802.11ac-VHT20 Power Spectral Density- Ant 2

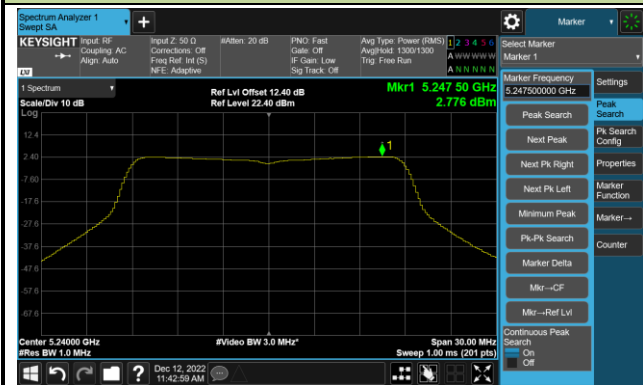
Channel 36 (5180MHz)



Channel 44 (5220MHz)

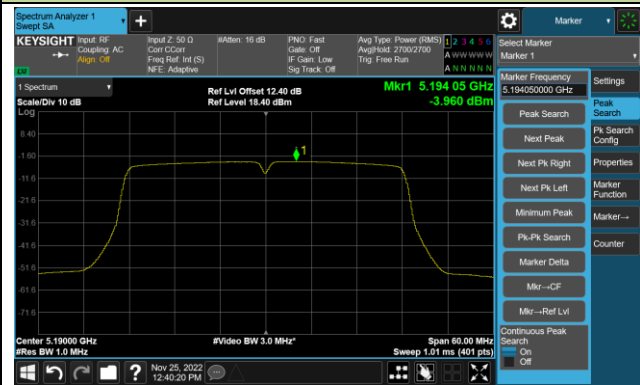


Channel 48 (5240MHz)

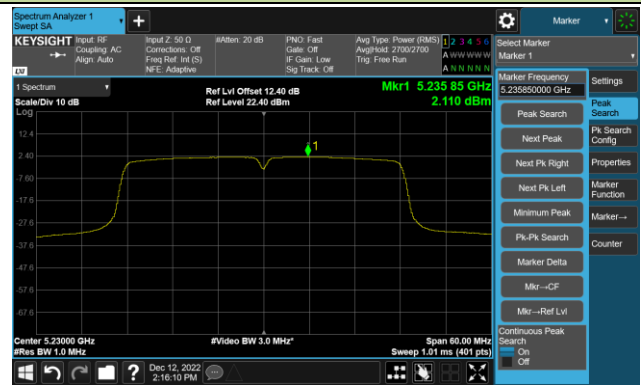


802.11ac-VHT40 Power Spectral Density- Ant 2

Channel 38 (5190MHz)

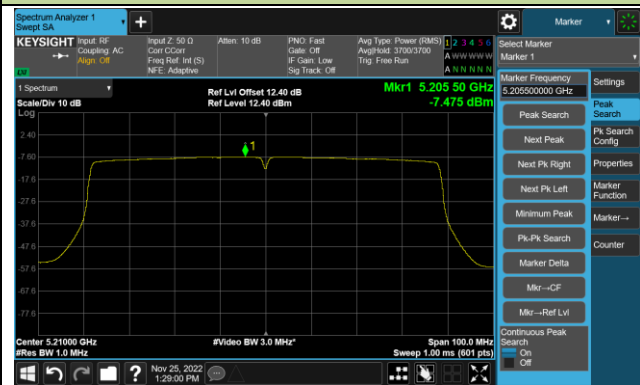


Channel 46 (5230MHz)



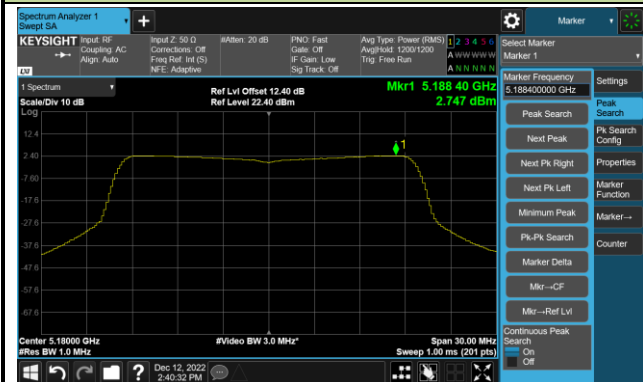
802.11ac-VHT80 Power Spectral Density- Ant 2

Channel 42 (5210MHz)

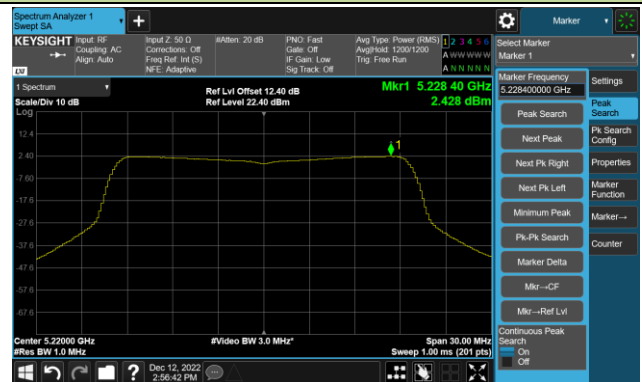


802.11ax-HE20 Power Spectral Density- Ant 2

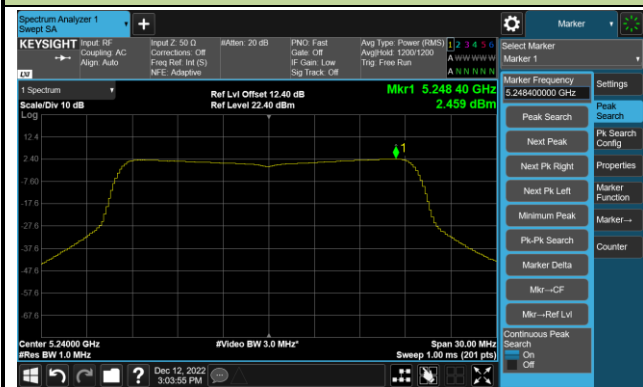
Channel 36 (5180MHz)



Channel 44 (5220MHz)

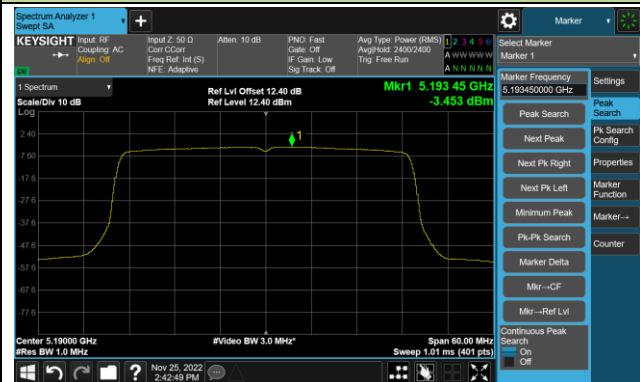


Channel 48 (5240MHz)



802.11ax-HE40 Power Spectral Density- Ant 2

Channel 38 (5190MHz)

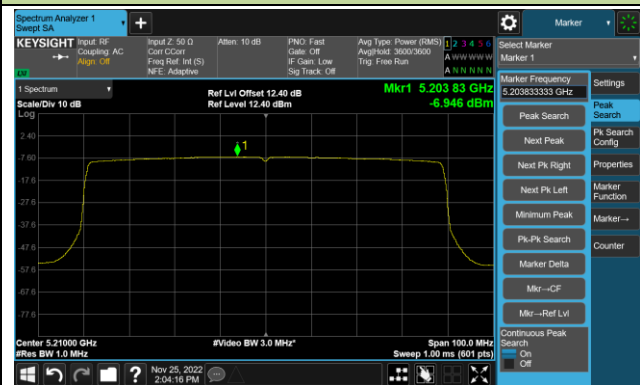


Channel 46 (5230MHz)



802.11ax-HE80 Power Spectral Density- Ant 2

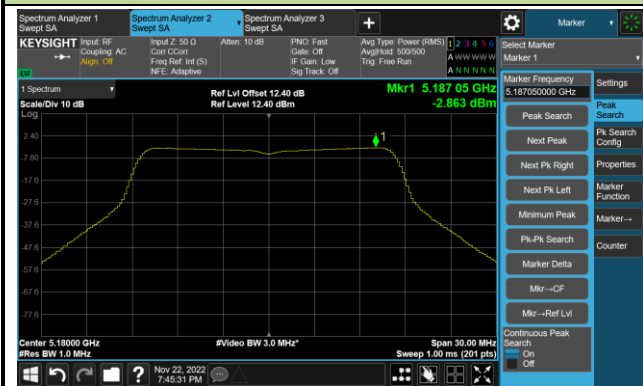
Channel 42 (5210MHz)



Client Mode

802.11a Power Spectral Density- Ant 0

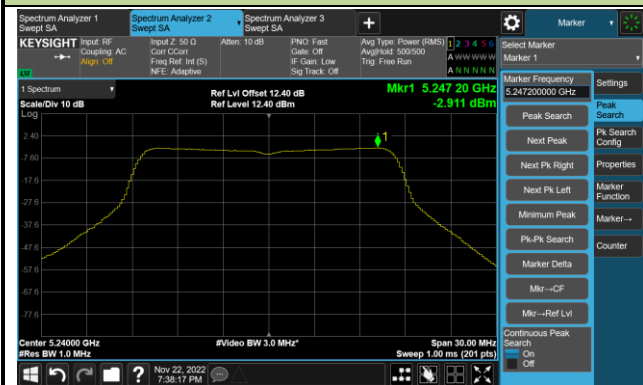
Channel 36 (5180MHz)



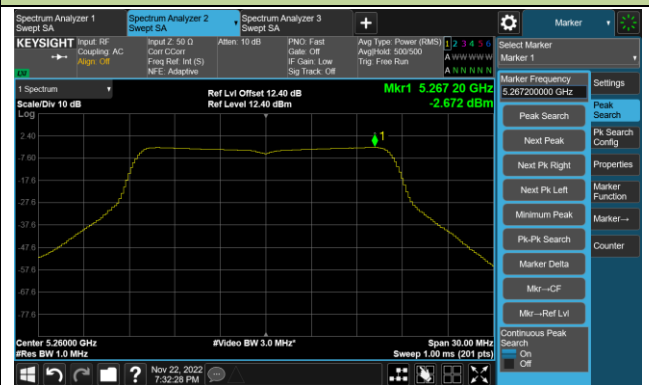
Channel 44 (5220MHz)



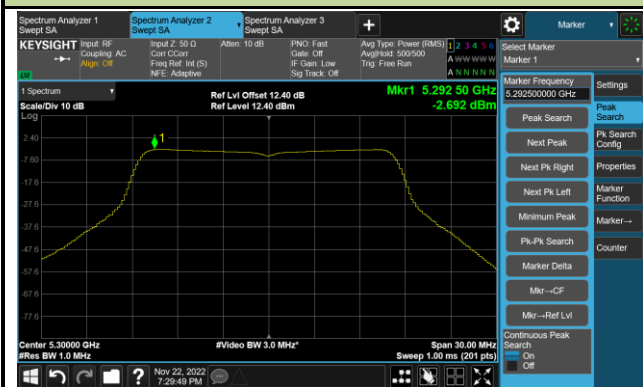
Channel 48 (5240MHz)



Channel 52 (5260MHz)



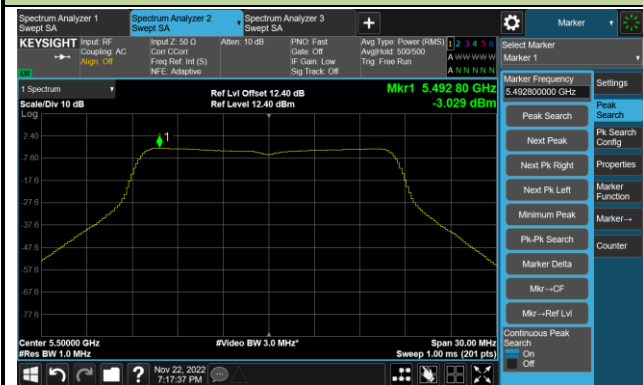
Channel 60 (5300MHz)



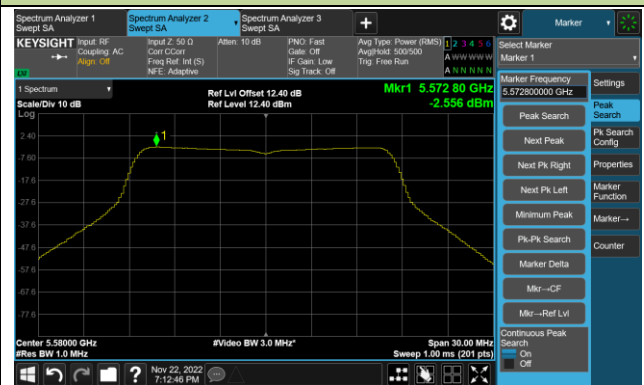
Channel 64 (5320MHz)



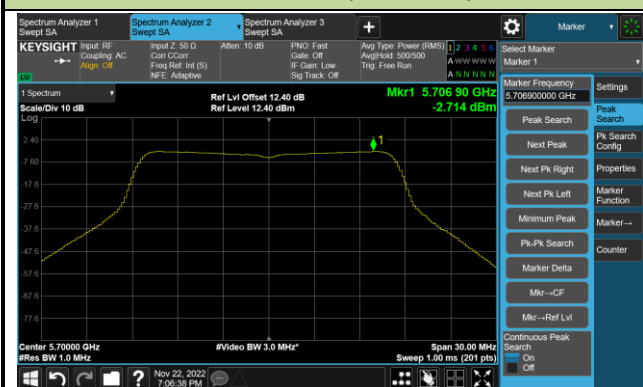
Channel 100 (5500MHz)



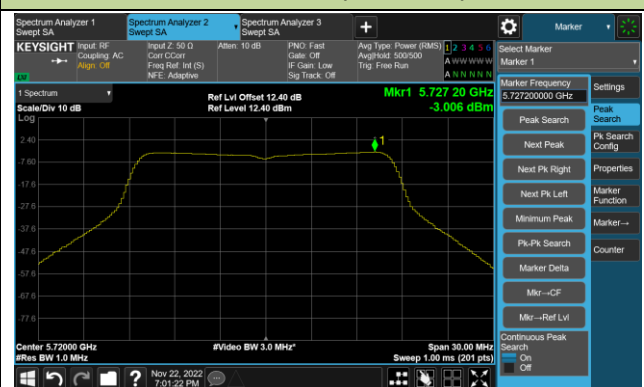
Channel 116 (5580MHz)



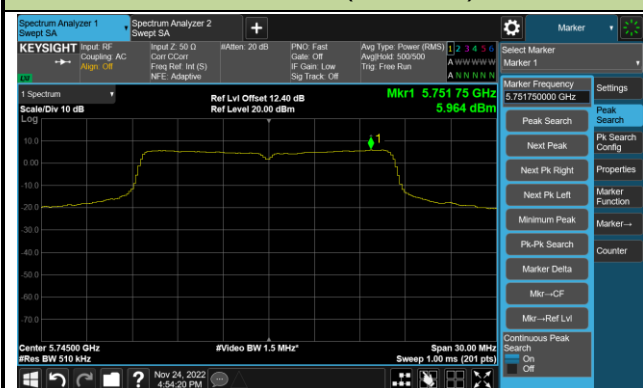
Channel 140 (5700MHz)



Channel 144(5720MHz)



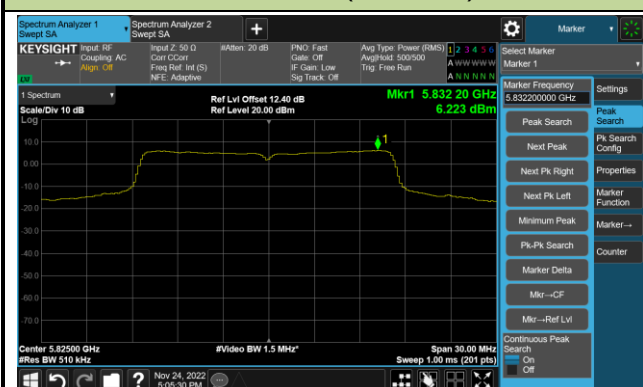
Channel 149 (5745MHz)



Channel 157 (5785MHz)

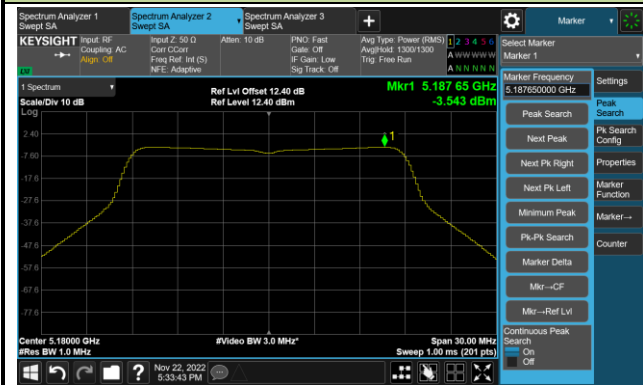


Channel 165 (5825MHz)



802.11ac-VHT20 Power Spectral Density- Ant 0

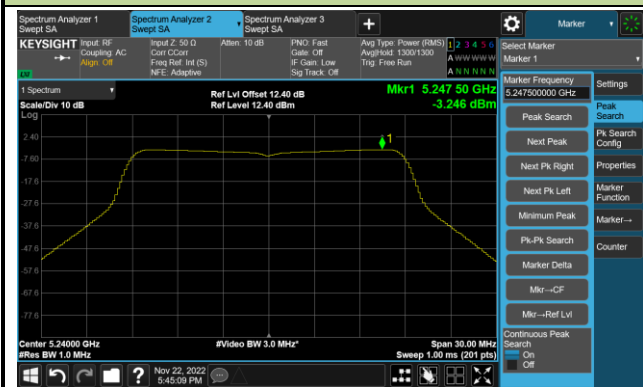
Channel 36 (5180MHz)



Channel 44 (5220MHz)



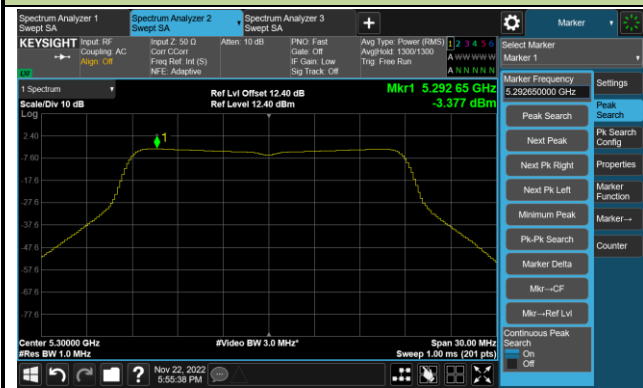
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)

