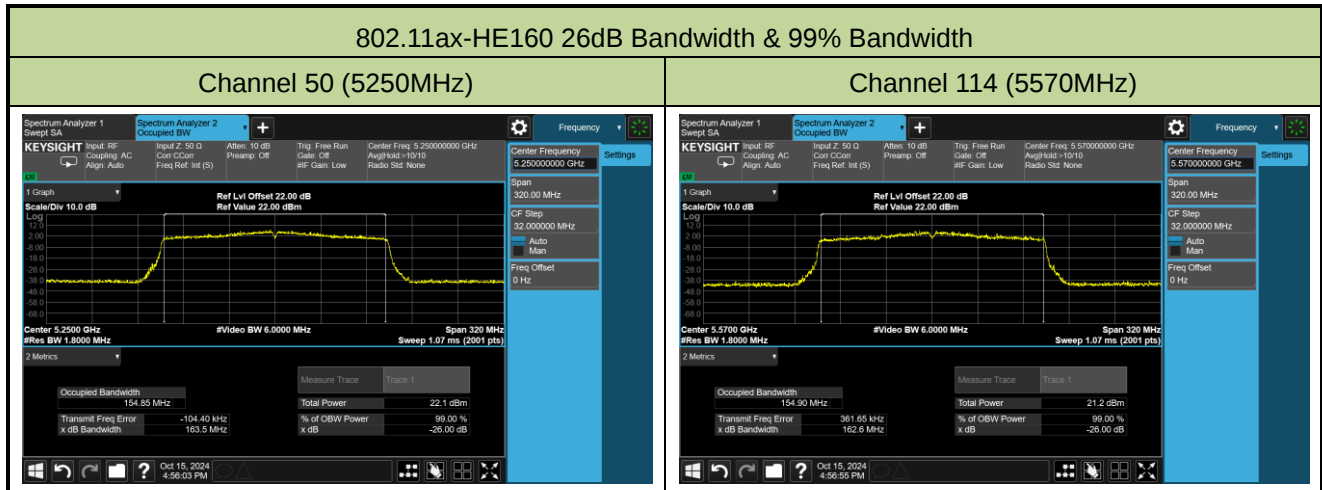




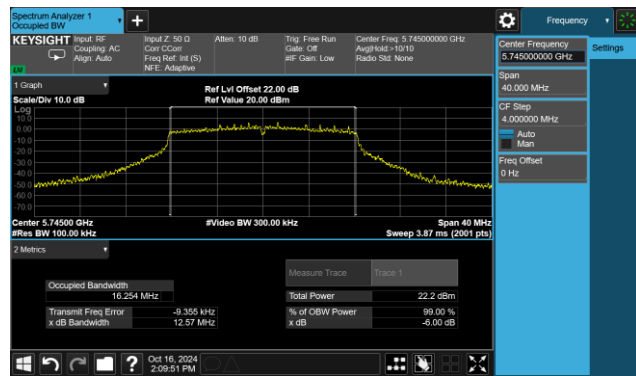
A.3 6dB Bandwidth Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2024-10-16		

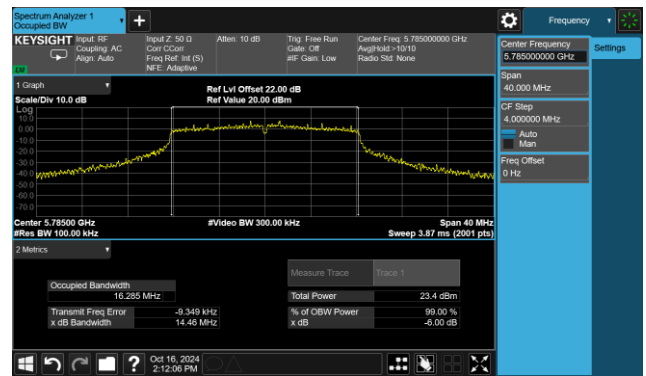
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	12.57	≥0.5
11a	6Mbps	157	5785	14.46	≥0.5
11a	6Mbps	165	5825	14.44	≥0.5
11ac-VHT20	MCS0	149	5745	15.72	≥0.5
11ac-VHT20	MCS0	157	5785	16.95	≥0.5
11ac-VHT20	MCS0	165	5825	16.94	≥0.5
11ac-VHT40	MCS0	151	5755	30.07	≥0.5
11ac-VHT40	MCS0	159	5795	35.06	≥0.5
11ac-VHT80	MCS0	155	5775	64.01	≥0.5
11ax-HE20	MCS0	149	5745	17.01	≥0.5
11ax-HE20	MCS0	157	5785	15.84	≥0.5
11ax-HE20	MCS0	165	5825	13.85	≥0.5
11ax-HE40	MCS0	151	5755	35.12	≥0.5
11ax-HE40	MCS0	159	5795	32.50	≥0.5
11ax-HE80	MCS0	155	5775	61.33	≥0.5

802.11a 6dB Bandwidth

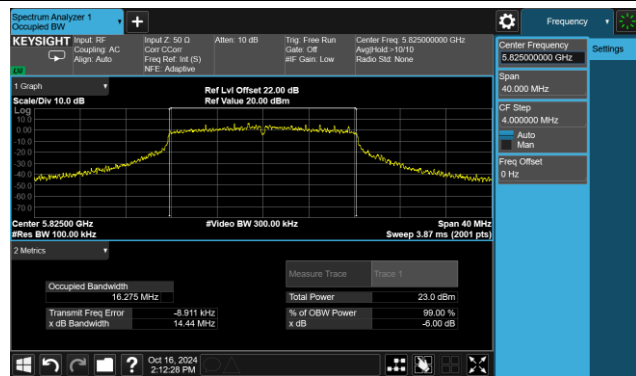
Channel 149 (5745MHz)



Channel 157 (5785MHz)

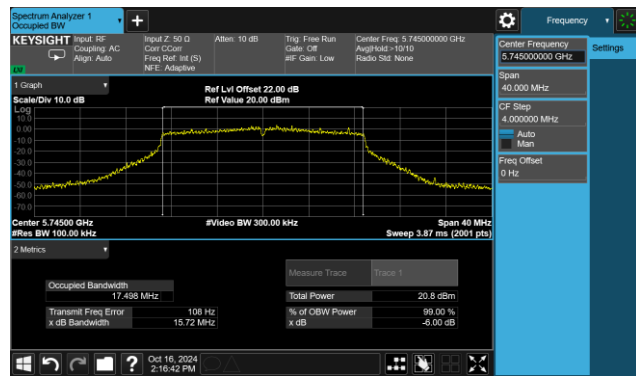


Channel 165 (5825MHz)

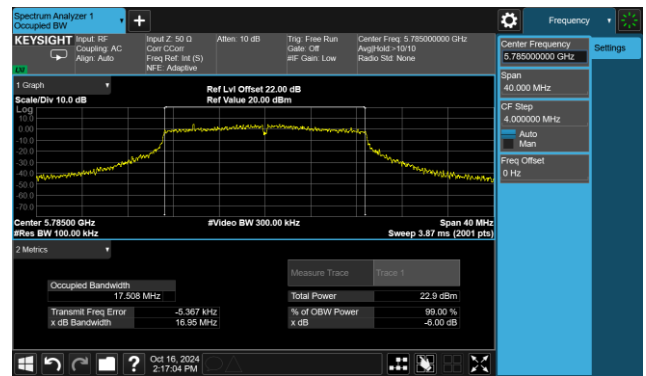


802.11ac-VHT20 6dB Bandwidth

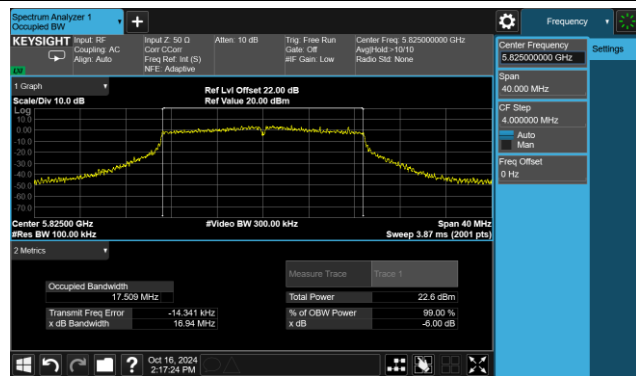
Channel 149 (5745MHz)



Channel 157 (5785MHz)

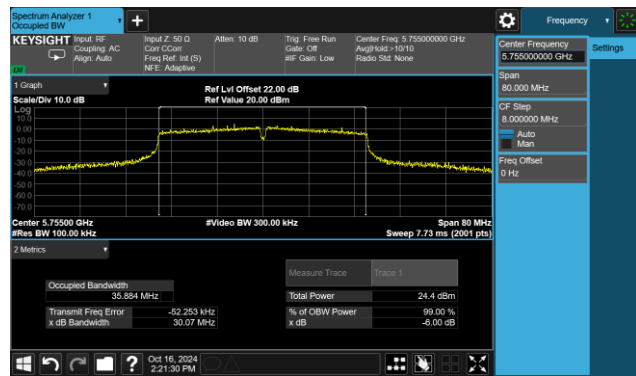


Channel 165 (5825MHz)

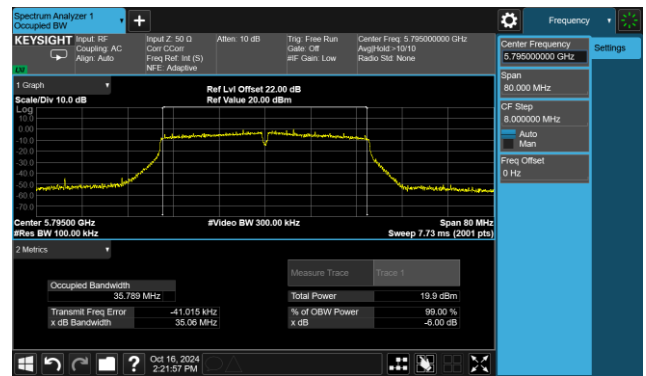


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

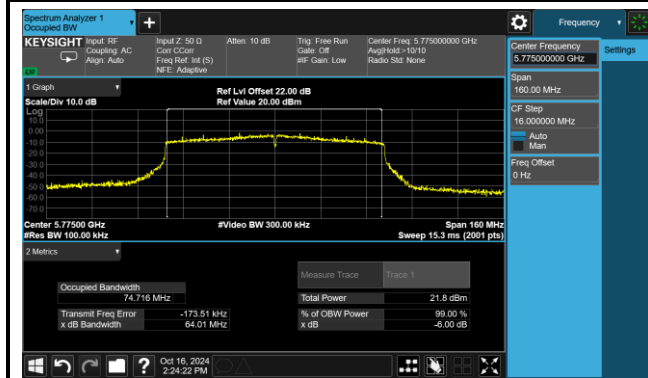


Channel 159 (5795MHz)



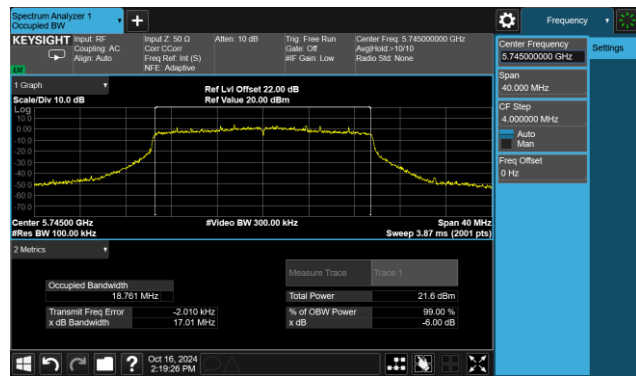
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

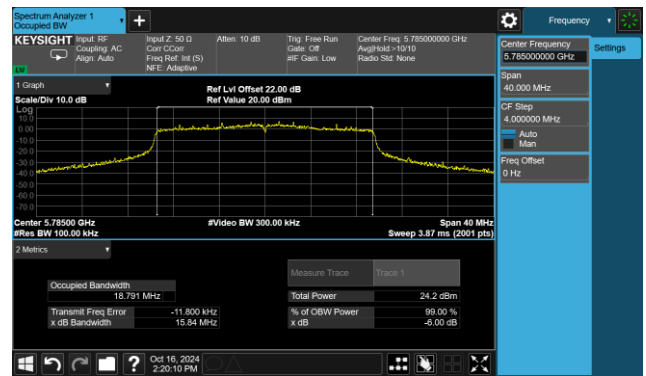


802.11ax-HE20 6dB Bandwidth

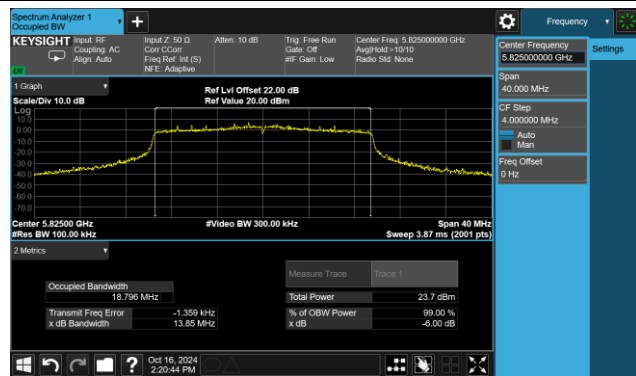
Channel 149 (5745MHz)



Channel 157 (5785MHz)

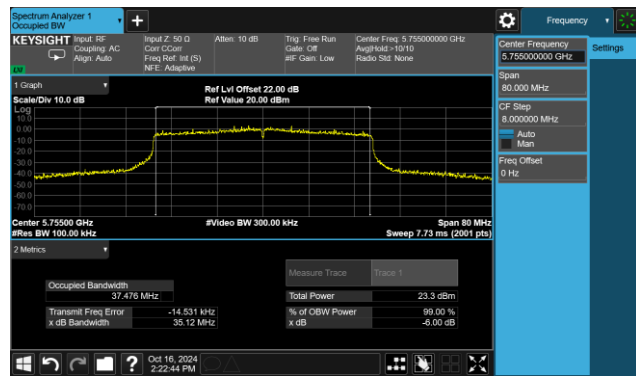


Channel 165 (5825MHz)

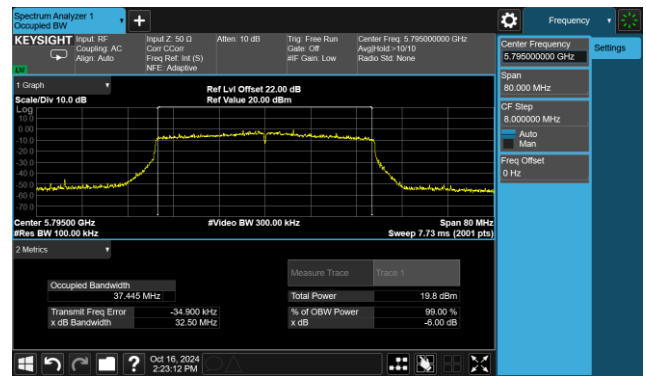


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

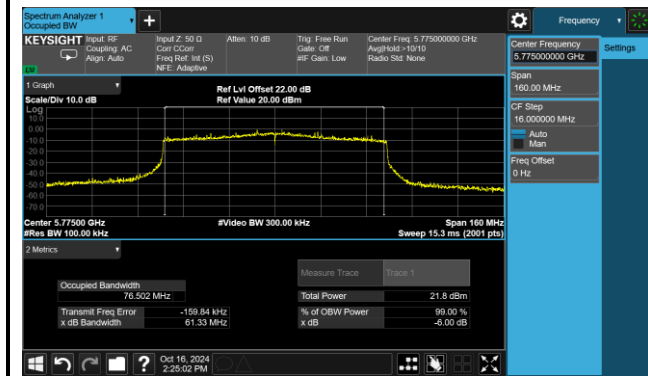


Channel 159 (5795MHz)



802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)



A.4 Output Power Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2024-08-30~2024-11-27		
EUT Model No.	SXTsq-5axD-US		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Elevation angle above 30° EIRP (dBm)	Elevation angle above 30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11a	6Mbps	36	5180	1.37	1.12	4.26	≤ 20.00	20.26	≤ 21.00
11a	6Mbps	44	5220	1.62	1.34	4.49	≤ 20.00	20.49	≤ 21.00
11a	6Mbps	48	5240	1.51	1.26	4.40	≤ 20.00	20.40	≤ 21.00
11a	6Mbps	52	5260	4.20	4.33	7.28	≤ 13.67	--	--
11a	6Mbps	60	5300	3.92	4.39	7.17	≤ 13.68	--	--
11a	6Mbps	64	5320	3.55	3.65	6.61	≤ 13.65	--	--
11a	6Mbps	100	5500	3.52	4.04	6.80	≤ 13.67	--	--
11a	6Mbps	116	5580	3.45	3.78	6.63	≤ 13.68	--	--
11a	6Mbps	140	5700	4.07	4.68	7.40	≤ 13.68	--	--
11a	6Mbps	144	5720	3.85	4.10	6.99	≤ 12.68	--	--
11a	6Mbps	149	5745	15.57	15.87	18.73	≤ 20.00	--	--
11a	6Mbps	157	5785	16.33	16.39	19.37	≤ 20.00	--	--
11a	6Mbps	165	5825	16.87	16.32	19.61	≤ 20.00	--	--
11ac-VHT20	MCS0	36	5180	1.22	1.05	4.15	≤ 20.00	20.15	≤ 21.00
11ac-VHT20	MCS0	44	5220	1.73	1.24	4.50	≤ 20.00	20.50	≤ 21.00
11ac-VHT20	MCS0	48	5240	1.40	1.32	4.37	≤ 20.00	20.37	≤ 21.00
11ac-VHT20	MCS0	52	5260	5.40	5.02	8.22	≤ 13.98	--	--
11ac-VHT20	MCS0	60	5300	5.03	5.45	8.26	≤ 13.98	--	--
11ac-VHT20	MCS0	64	5320	4.78	4.75	7.78	≤ 13.98	--	--
11ac-VHT20	MCS0	100	5500	4.42	5.16	7.82	≤ 13.98	--	--
11ac-VHT20	MCS0	116	5580	4.28	4.88	7.60	≤ 13.98	--	--
11ac-VHT20	MCS0	140	5700	4.94	5.43	8.20	≤ 13.98	--	--
11ac-VHT20	MCS0	144	5720	4.70	5.06	7.89	≤ 12.84	--	--
11ac-VHT20	MCS0	149	5745	14.29	14.44	17.38	≤ 20.00	--	--
11ac-VHT20	MCS0	157	5785	16.93	16.36	19.66	≤ 20.00	--	--
11ac-VHT20	MCS0	165	5825	16.96	16.20	19.61	≤ 20.00	--	--

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Elevation angle above 30° EIRP (dBm)	Elevation angle above 30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11ac-VHT40	MCS0	38	5190	1.08	1.00	4.05	≤ 20.00	20.05	≤ 21.00
11ac-VHT40	MCS0	46	5230	1.49	1.05	4.29	≤ 20.00	20.29	≤ 21.00
11ac-VHT40	MCS0	54	5270	6.80	6.93	9.88	≤ 13.98	--	--
11ac-VHT40	MCS0	62	5310	6.48	7.38	9.96	≤ 13.98	--	--
11ac-VHT40	MCS0	102	5510	7.33	7.63	10.49	≤ 13.98	--	--
11ac-VHT40	MCS0	110	5550	7.27	8.37	10.87	≤ 13.98	--	--
11ac-VHT40	MCS0	134	5670	7.83	7.68	10.77	≤ 13.98	--	--
11ac-VHT40	MCS0	142	5710	7.22	7.52	10.38	≤ 13.98	--	--
11ac-VHT40	MCS0	151	5755	16.75	17.03	19.90	≤ 20.00	--	--
11ac-VHT40	MCS0	159	5795	13.93	13.28	16.63	≤ 20.00	--	--
11ac-VHT80	MCS0	42	5210	1.22	1.30	4.27	≤ 20.00	20.27	≤ 21.00
11ac-VHT80	MCS0	58	5290	10.45	10.23	13.35	≤ 13.98	--	--
11ac-VHT80	MCS0	106	5530	9.99	10.37	13.19	≤ 13.98	--	--
11ac-VHT80	MCS0	122	5610	9.30	10.13	12.75	≤ 13.98	--	--
11ac-VHT80	MCS0	138	5690	10.35	10.60	13.49	≤ 13.98	--	--
11ac-VHT80	MCS0	155	5775	15.57	15.25	18.42	≤ 20.00	--	--
11ac-VHT160	MCS0	50	5250	10.60	10.56	13.59	≤ 13.98	--	--
11ac-VHT160	MCS0	114	5570	9.48	9.15	12.33	≤ 13.98	--	--
11ax-HE20	MCS0	36	5180	1.22	1.05	4.15	≤ 20.00	20.15	≤ 21.00
11ax-HE20	MCS0	44	5220	1.56	1.29	4.44	≤ 20.00	20.44	≤ 21.00
11ax-HE20	MCS0	48	5240	1.59	1.16	4.39	≤ 20.00	20.39	≤ 21.00
11ax-HE20	MCS0	52	5260	4.92	4.61	7.78	≤ 13.98	--	--
11ax-HE20	MCS0	60	5300	4.78	4.84	7.82	≤ 13.98	--	--
11ax-HE20	MCS0	64	5320	5.15	5.22	8.20	≤ 13.98	--	--
11ax-HE20	MCS0	100	5500	4.06	4.85	7.48	≤ 13.98	--	--
11ax-HE20	MCS0	116	5580	3.84	4.38	7.13	≤ 13.98	--	--
11ax-HE20	MCS0	140	5700	4.37	4.99	7.70	≤ 13.98	--	--
11ax-HE20	MCS0	144	5720	4.34	4.92	7.65	≤ 12.85	--	--
11ax-HE20	MCS0	149	5745	14.72	14.76	17.75	≤ 20.00	--	--
11ax-HE20	MCS0	157	5785	16.55	16.32	19.45	≤ 20.00	--	--
11ax-HE20	MCS0	165	5825	16.71	15.80	19.29	≤ 20.00	--	--

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Elevation angle above 30° EIRP (dBm)	Elevation angle above 30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11ax-HE40	MCS0	38	5190	1.02	0.94	3.99	≤ 20.00	19.99	≤ 21.00
11ax-HE40	MCS0	46	5230	1.42	1.14	4.29	≤ 20.00	20.29	≤ 21.00
11ax-HE40	MCS0	54	5270	7.61	7.79	10.71	≤ 13.98	--	--
11ax-HE40	MCS0	62	5310	7.32	8.09	10.73	≤ 13.98	--	--
11ax-HE40	MCS0	102	5510	7.57	8.02	10.81	≤ 13.98	--	--
11ax-HE40	MCS0	110	5550	6.82	7.97	10.44	≤ 13.98	--	--
11ax-HE40	MCS0	134	5670	7.57	7.62	10.61	≤ 13.98	--	--
11ax-HE40	MCS0	142	5710	7.53	7.33	10.44	≤ 13.98	--	--
11ax-HE40	MCS0	151	5755	15.96	15.86	18.92	≤ 20.00	--	--
11ax-HE40	MCS0	159	5795	13.60	13.10	16.37	≤ 20.00	--	--
11ax-HE80	MCS0	42	5210	1.56	1.37	4.48	≤ 20.00	20.48	≤ 21.00
11ax-HE80	MCS0	58	5290	9.95	10.19	13.08	≤ 13.98	--	--
11ax-HE80	MCS0	106	5530	9.92	10.20	13.07	≤ 13.98	--	--
11ax-HE80	MCS0	122	5610	9.39	10.08	12.76	≤ 13.98	--	--
11ax-HE80	MCS0	138	5690	10.60	10.56	13.59	≤ 13.98	--	--
11ax-HE80	MCS0	155	5775	14.44	14.08	17.27	≤ 20.00	--	--
11ax-HE160	MCS0	50	5250	10.80	10.69	13.76	≤ 13.98	--	--
11ax-HE160	MCS0	114	5570	9.50	9.18	12.35	≤ 13.98	--	--

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 Band-Crossing channel, Average Power Limit = (23.98dBm – (Max. Ant Gain – 6dBi)) or (11+10*log₁₀EBW_{2C} – (Max. Ant Gain – 6dBi)) which is less.

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2024-12-26		
EUT Model No.	LHG-5axD-XL-US		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Elevation angle above 30° EIRP (dBm)	Elevation angle above 30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11a	6Mbps	36	5180	-10.84	-8.24	-6.34	≤ 9.00	20.66	≤ 21.00
11a	6Mbps	44	5220	-9.98	-9.83	-6.89	≤ 9.00	20.11	≤ 21.00
11a	6Mbps	48	5240	-9.38	-8.93	-6.14	≤ 9.00	20.86	≤ 21.00
11a	6Mbps	52	5260	-5.83	-5.52	-2.66	≤ 2.67	--	--
11a	6Mbps	60	5300	-5.82	-5.65	-2.72	≤ 2.68	--	--
11a	6Mbps	64	5320	-5.92	-5.74	-2.82	≤ 2.65	--	--
11a	6Mbps	100	5500	-6.19	-5.75	-2.95	≤ 2.67	--	--
11a	6Mbps	116	5580	-5.67	-5.49	-2.57	≤ 2.68	--	--
11a	6Mbps	140	5700	-5.12	-6.14	-2.59	≤ 2.68	--	--
11a	6Mbps	144	5720	-5.95	-7.25	-3.54	≤ 1.68	--	--
11a	6Mbps	149	5745	5.94	5.54	8.75	≤ 9.00	--	--
11a	6Mbps	157	5785	5.37	5.62	8.51	≤ 9.00	--	--
11a	6Mbps	165	5825	5.34	5.72	8.54	≤ 9.00	--	--
11ac-VHT20	MCS0	36	5180	-10.67	-7.87	-6.04	≤ 9.00	20.96	≤ 21.00
11ac-VHT20	MCS0	44	5220	-9.78	-9.82	-6.79	≤ 9.00	20.21	≤ 21.00
11ac-VHT20	MCS0	48	5240	-9.10	-9.02	-6.05	≤ 9.00	20.95	≤ 21.00
11ac-VHT20	MCS0	52	5260	-5.82	-5.45	-2.62	≤ 2.98	--	--
11ac-VHT20	MCS0	60	5300	-5.89	-5.78	-2.82	≤ 2.98	--	--
11ac-VHT20	MCS0	64	5320	-5.94	-6.11	-3.01	≤ 2.98	--	--
11ac-VHT20	MCS0	100	5500	-6.72	-6.14	-3.41	≤ 2.98	--	--
11ac-VHT20	MCS0	116	5580	-6.02	-5.43	-2.70	≤ 2.98	--	--
11ac-VHT20	MCS0	140	5700	-5.21	-6.25	-2.69	≤ 2.98	--	--
11ac-VHT20	MCS0	144	5720	-4.93	-6.02	-2.43	≤ 1.84	--	--
11ac-VHT20	MCS0	149	5745	5.97	5.72	8.86	≤ 9.00	--	--
11ac-VHT20	MCS0	157	5785	5.52	5.43	8.49	≤ 9.00	--	--
11ac-VHT20	MCS0	165	5825	5.23	5.62	8.44	≤ 9.00	--	--

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Elevation angle above 30° EIRP (dBm)	Elevation angle above 30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11ac-VHT40	MCS0	38	5190	-10.87	-8.68	-6.63	≤ 9.00	20.37	≤ 21.00
11ac-VHT40	MCS0	46	5230	-9.19	-9.13	-6.15	≤ 9.00	20.85	≤ 21.00
11ac-VHT40	MCS0	54	5270	-3.15	-3.07	-0.10	≤ 2.98	--	--
11ac-VHT40	MCS0	62	5310	-4.05	-4.13	-1.08	≤ 2.98	--	--
11ac-VHT40	MCS0	102	5510	-3.42	-3.79	-0.59	≤ 2.98	--	--
11ac-VHT40	MCS0	110	5550	-3.46	-3.88	-0.65	≤ 2.98	--	--
11ac-VHT40	MCS0	134	5670	-2.78	-3.78	-0.24	≤ 2.98	--	--
11ac-VHT40	MCS0	142	5710	-2.43	-3.81	-0.06	≤ 2.98	--	--
11ac-VHT40	MCS0	151	5755	5.83	5.67	8.76	≤ 9.00	--	--
11ac-VHT40	MCS0	159	5795	5.46	5.64	8.56	≤ 9.00	--	--
11ac-VHT80	MCS0	42	5210	-9.94	-9.86	-6.89	≤ 9.00	20.11	≤ 21.00
11ac-VHT80	MCS0	58	5290	-0.69	-1.20	2.07	≤ 2.98	--	--
11ac-VHT80	MCS0	106	5530	-0.54	-1.02	2.24	≤ 2.98	--	--
11ac-VHT80	MCS0	122	5610	-0.76	-1.61	1.85	≤ 2.98	--	--
11ac-VHT80	MCS0	138	5690	-0.26	-1.25	2.28	≤ 2.98	--	--
11ac-VHT80	MCS0	155	5775	5.21	5.25	8.24	≤ 9.00	--	--
11ac-VHT160	MCS0	50	5250	-0.76	-1.08	2.09	≤ 2.98	--	--
11ac-VHT160	MCS0	114	5570	-0.12	-0.45	2.73	≤ 2.98	--	--
11ax-HE20	MCS0	36	5180	-10.53	-8.43	-6.34	≤ 9.00	20.66	≤ 21.00
11ax-HE20	MCS0	44	5220	-9.80	-9.76	-6.77	≤ 9.00	20.23	≤ 21.00
11ax-HE20	MCS0	48	5240	-10.12	-9.72	-6.91	≤ 9.00	20.09	≤ 21.00
11ax-HE20	MCS0	52	5260	-6.05	-5.97	-3.00	≤ 2.98	--	--
11ax-HE20	MCS0	60	5300	-6.37	-6.28	-3.31	≤ 2.98	--	--
11ax-HE20	MCS0	64	5320	-6.32	-6.97	-3.62	≤ 2.98	--	--
11ax-HE20	MCS0	100	5500	-6.38	-6.02	-3.19	≤ 2.98	--	--
11ax-HE20	MCS0	116	5580	-6.63	-5.62	-3.09	≤ 2.98	--	--
11ax-HE20	MCS0	140	5700	-5.45	-6.54	-2.95	≤ 2.98	--	--
11ax-HE20	MCS0	144	5720	-5.02	-6.32	-2.61	≤ 1.85	--	--
11ax-HE20	MCS0	149	5745	5.18	4.87	8.04	≤ 9.00	--	--
11ax-HE20	MCS0	157	5785	5.69	5.74	8.73	≤ 9.00	--	--
11ax-HE20	MCS0	165	5825	5.58	5.87	8.74	≤ 9.00	--	--

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Elevation angle above 30° EIRP (dBm)	Elevation angle above 30° EIRP Limit (dBm)
				Ant 0	Ant 1				
11ax-HE40	MCS0	38	5190	-11.07	-7.98	-6.25	≤ 9.00	20.75	≤ 21.00
11ax-HE40	MCS0	46	5230	-10.10	-9.80	-6.94	≤ 9.00	20.06	≤ 21.00
11ax-HE40	MCS0	54	5270	-3.04	-2.98	0.00	≤ 2.98	--	--
11ax-HE40	MCS0	62	5310	-3.04	-3.27	-0.14	≤ 2.98	--	--
11ax-HE40	MCS0	102	5510	-2.45	-2.62	0.48	≤ 2.98	--	--
11ax-HE40	MCS0	110	5550	-2.65	-2.60	0.39	≤ 2.98	--	--
11ax-HE40	MCS0	134	5670	-2.71	-3.82	-0.22	≤ 2.98	--	--
11ax-HE40	MCS0	142	5710	-2.45	-3.75	-0.04	≤ 2.98	--	--
11ax-HE40	MCS0	151	5755	5.56	5.63	8.61	≤ 9.00	--	--
11ax-HE40	MCS0	159	5795	5.27	5.54	8.42	≤ 9.00	--	--
11ax-HE80	MCS0	42	5210	-9.91	-9.76	-6.82	≤ 9.00	20.18	≤ 21.00
11ax-HE80	MCS0	58	5290	-0.49	-0.50	2.52	≤ 2.98	--	--
11ax-HE80	MCS0	106	5530	-0.12	-0.51	2.70	≤ 2.98	--	--
11ax-HE80	MCS0	122	5610	-0.54	-1.33	2.09	≤ 2.98	--	--
11ax-HE80	MCS0	138	5690	0.02	-1.28	2.43	≤ 2.98	--	--
11ax-HE80	MCS0	155	5775	5.43	5.38	8.42	≤ 9.00	--	--
11ax-HE160	MCS0	50	5250	-0.77	-0.52	2.37	≤ 2.98	--	--
11ax-HE160	MCS0	114	5570	-0.75	-1.17	2.06	≤ 2.98	--	--

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 Band-Crossing channel, Average Power Limit = (23.98dBm – (Max. Ant Gain – 6dBi)) or $(11 + 10 \cdot \log_{10} \text{EBW}_{2C} - (\text{Max. Ant Gain} - 6\text{dBi}))$ which is less.

A.5 Power Spectral Density Test Result

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2024-08-30~2024-11-27		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		
EUT Model No.	SXTsq-5axD-US		

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	-8.204	-8.738	98.49	-5.45	≤ 3.99
11a	6Mbps	44	5220	-8.181	-8.605	98.49	-5.38	≤ 3.99
11a	6Mbps	48	5240	-8.111	-8.757	98.49	-5.41	≤ 3.99
11a	6Mbps	52	5260	-5.054	-5.258	98.49	-2.14	≤ -2.01
11a	6Mbps	60	5300	-5.228	-5.475	98.49	-2.34	≤ -2.01
11a	6Mbps	64	5320	-5.819	-5.985	98.49	-2.89	≤ -2.01
11a	6Mbps	100	5500	-5.841	-5.751	98.49	-2.79	≤ -2.01
11a	6Mbps	116	5580	-5.531	-5.902	98.49	-2.70	≤ -2.01
11a	6Mbps	140	5700	-5.683	-5.462	98.49	-2.56	≤ -2.01
11a	6Mbps	144	5720	-5.968	-5.674	98.49	-2.81	≤ -2.01
11ac-VHT20	MCS0	36	5180	-9.110	-9.044	99.41	-6.07	≤ 3.99
11ac-VHT20	MCS0	44	5220	-8.496	-8.801	99.41	-5.64	≤ 3.99
11ac-VHT20	MCS0	48	5240	-8.618	-8.830	99.41	-5.71	≤ 3.99
11ac-VHT20	MCS0	52	5260	-5.198	-5.249	99.41	-2.21	≤ -2.01
11ac-VHT20	MCS0	60	5300	-5.087	-5.175	99.41	-2.12	≤ -2.01
11ac-VHT20	MCS0	64	5320	-5.690	-5.841	99.41	-2.75	≤ -2.01
11ac-VHT20	MCS0	100	5500	-5.796	-5.665	99.41	-2.72	≤ -2.01
11ac-VHT20	MCS0	116	5580	-5.341	-5.452	99.41	-2.39	≤ -2.01
11ac-VHT20	MCS0	140	5700	-5.216	-5.182	99.41	-2.19	≤ -2.01
11ac-VHT20	MCS0	144	5720	-5.549	-5.388	99.41	-2.46	≤ -2.01
11ac-VHT40	MCS0	38	5190	-11.958	-12.259	99.04	-9.10	≤ 3.99
11ac-VHT40	MCS0	46	5230	-12.001	-11.898	99.04	-8.94	≤ 3.99
11ac-VHT40	MCS0	54	5270	-5.997	-5.940	99.04	-2.96	≤ -2.01
11ac-VHT40	MCS0	62	5310	-6.072	-5.798	99.04	-2.92	≤ -2.01
11ac-VHT40	MCS0	102	5510	-6.282	-5.177	99.04	-2.68	≤ -2.01
11ac-VHT40	MCS0	110	5550	-5.899	-4.837	99.04	-2.33	≤ -2.01
11ac-VHT40	MCS0	134	5670	-5.116	-5.702	99.04	-2.39	≤ -2.01
11ac-VHT40	MCS0	142	5710	-5.509	-5.391	99.04	-2.44	≤ -2.01

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	-14.162	-14.537	98.79	-11.34	≤ 3.99
11ac-VHT80	MCS0	58	5290	-5.853	-5.464	98.79	-2.64	≤ -2.01
11ac-VHT80	MCS0	106	5530	-6.007	-5.488	98.79	-2.73	≤ -2.01
11ac-VHT80	MCS0	122	5610	-5.750	-5.509	98.79	-2.62	≤ -2.01
11ac-VHT80	MCS0	138	5690	-5.955	-5.291	98.79	-2.60	≤ -2.01
11ac-VHT160	MCS0	50	5250	-7.582	-7.438	99.39	-4.50	≤ -2.01
11ac-VHT160	MCS0	114	5570	-9.169	-9.539	99.39	-6.34	≤ -2.01
11ax-HE20	MCS0	36	5180	-9.253	-9.562	99.58	-6.39	≤ 3.99
11ax-HE20	MCS0	44	5220	-8.848	-9.478	99.58	-6.14	≤ 3.99
11ax-HE20	MCS0	48	5240	-9.364	-9.439	99.58	-6.39	≤ 3.99
11ax-HE20	MCS0	52	5260	-5.099	-5.237	99.58	-2.16	≤ -2.01
11ax-HE20	MCS0	60	5300	-5.243	-5.214	99.58	-2.22	≤ -2.01
11ax-HE20	MCS0	64	5320	-5.493	-5.031	99.58	-2.25	≤ -2.01
11ax-HE20	MCS0	100	5500	-6.168	-5.233	99.58	-2.67	≤ -2.01
11ax-HE20	MCS0	116	5580	-5.653	-5.539	99.58	-2.59	≤ -2.01
11ax-HE20	MCS0	140	5700	-5.091	-5.282	99.58	-2.18	≤ -2.01
11ax-HE20	MCS0	144	5720	-5.761	-5.083	99.58	-2.40	≤ -2.01
11ax-HE40	MCS0	38	5190	-11.947	-12.597	99.30	-9.25	≤ 3.99
11ax-HE40	MCS0	46	5230	-11.782	-12.277	99.30	-9.01	≤ 3.99
11ax-HE40	MCS0	54	5270	-5.463	-5.301	99.30	-2.37	≤ -2.01
11ax-HE40	MCS0	62	5310	-5.796	-5.009	99.30	-2.37	≤ -2.01
11ax-HE40	MCS0	102	5510	-5.885	-4.879	99.30	-2.34	≤ -2.01
11ax-HE40	MCS0	110	5550	-6.695	-5.441	99.30	-3.01	≤ -2.01
11ax-HE40	MCS0	134	5670	-6.008	-6.086	99.30	-3.04	≤ -2.01
11ax-HE40	MCS0	142	5710	-5.830	-5.707	99.30	-2.76	≤ -2.01
11ax-HE80	MCS0	42	5210	-14.105	-14.386	99.32	-11.23	≤ 3.99
11ax-HE80	MCS0	58	5290	-5.695	-5.346	99.32	-2.51	≤ -2.01
11ax-HE80	MCS0	106	5530	-5.640	-5.874	99.32	-2.75	≤ -2.01
11ax-HE80	MCS0	122	5610	-5.908	-5.680	99.32	-2.78	≤ -2.01
11ax-HE80	MCS0	138	5690	-5.255	-5.462	99.32	-2.35	≤ -2.01
11ax-HE160	MCS0	50	5250	-7.491	-7.327	99.45	-4.40	≤ -2.01
11ax-HE160	MCS0	114	5570	-9.594	-9.571	99.45	-6.57	≤ -2.01

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

Note 2:

For 5125 - 5250MHz Band: PSD Limit (dBm/MHz) = $17 - (19.01 - 6) = 3.99\text{dBm/MHz}$

For 5250 - 5725MHz Band: PSD Limit (dBm/MHz) = $11 - (19.01 - 6) = -2.01\text{dBm/MHz}$.

Test Site	SIP-TR1	Test Engineer	Ryan Wang
Test Date	2024-10-12 ~ 2024-10-15		
Test Item	Power Spectral Density (UNII-Band 3)		
EUT Model No.	SXTsq-5axD-US		

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	2.712	3.120	98.49	5.93	≤ 16.99
11a	6Mbps	157	5785	4.826	4.235	98.49	7.55	≤ 16.99
11a	6Mbps	165	5825	5.074	4.086	98.49	7.62	≤ 16.99
11ac-VHT20	MCS0	149	5745	1.075	0.971	99.41	4.03	≤ 16.99
11ac-VHT20	MCS0	157	5785	4.232	3.816	99.41	7.04	≤ 16.99
11ac-VHT20	MCS0	165	5825	4.452	3.585	99.41	7.05	≤ 16.99
11ac-VHT40	MCS0	151	5755	1.877	1.866	99.04	4.88	≤ 16.99
11ac-VHT40	MCS0	159	5795	-2.405	-2.984	99.04	0.33	≤ 16.99
11ac-VHT80	MCS0	155	5775	-3.027	-3.316	98.79	-0.16	≤ 16.99
11ax-HE20	MCS0	149	5745	1.043	0.990	99.58	4.03	≤ 16.99
11ax-HE20	MCS0	157	5785	4.126	3.690	99.58	6.92	≤ 16.99
11ax-HE20	MCS0	165	5825	4.226	3.242	99.58	6.77	≤ 16.99
11ax-HE40	MCS0	151	5755	0.792	0.378	99.30	3.60	≤ 16.99
11ax-HE40	MCS0	159	5795	-2.707	-3.220	99.30	0.05	≤ 16.99
11ax-HE80	MCS0	155	5775	-4.251	-4.367	99.32	-1.30	≤ 16.99

Note 1:

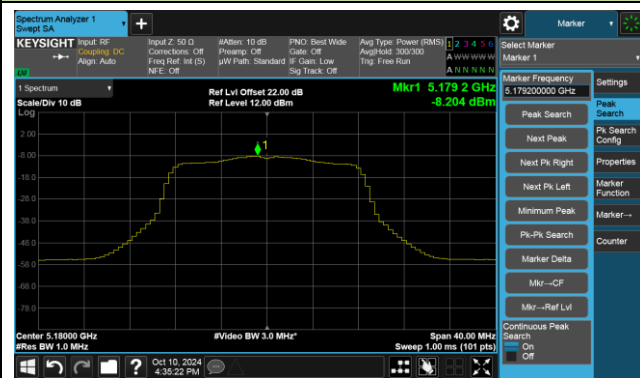
When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

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

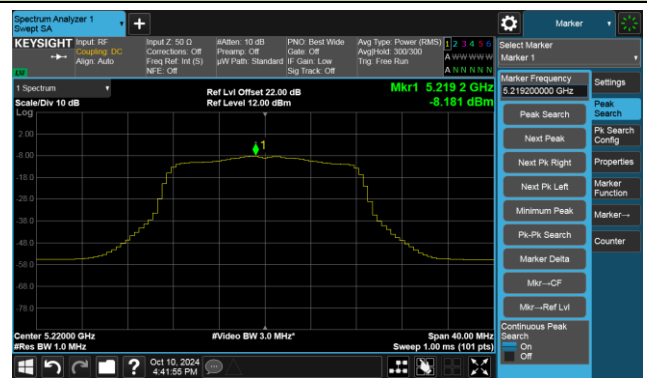
Note 2: PSD Limit (dBm/500kHz) = 30 - (19.01 - 6) = 16.99dBm/500kHz.

802.11a Power Spectral Density- Ant 0

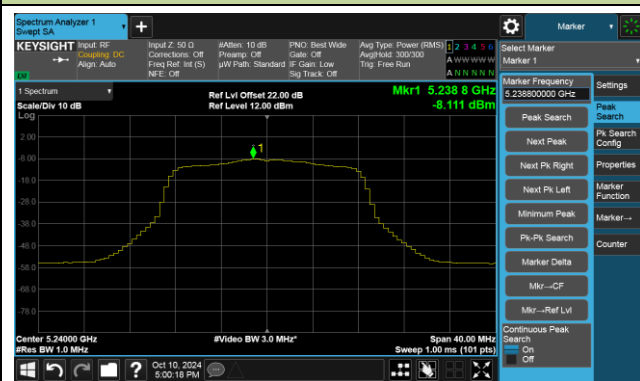
Channel 36 (5180MHz)



Channel 44 (5220MHz)



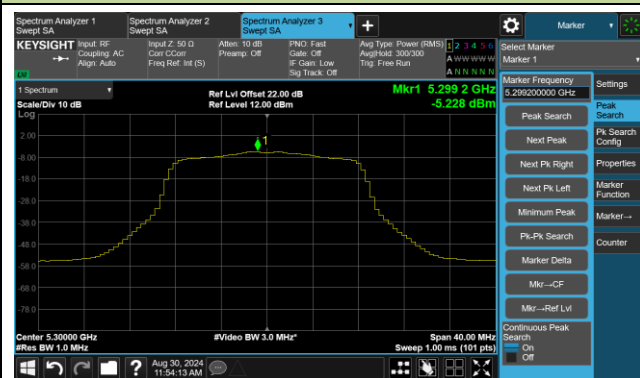
Channel 48 (5240MHz)



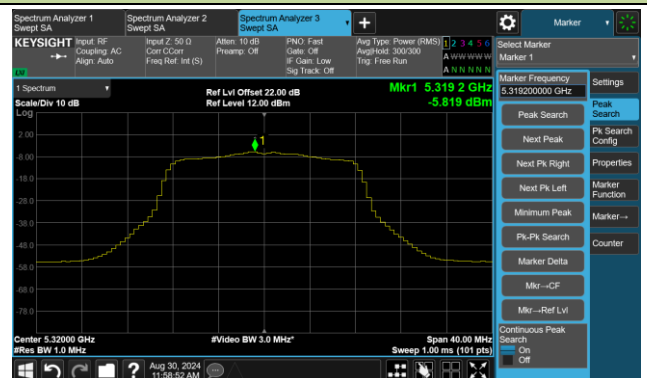
Channel 52 (5260MHz)



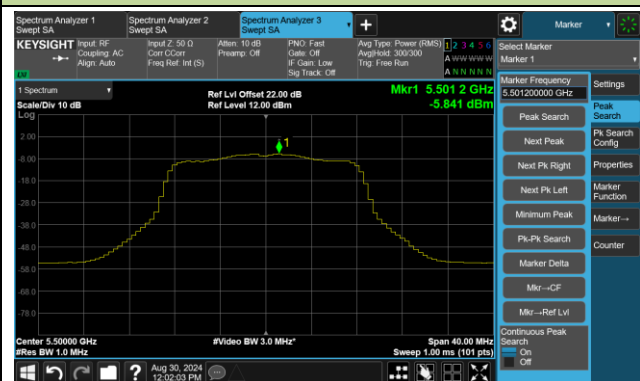
Channel 60 (5300MHz)



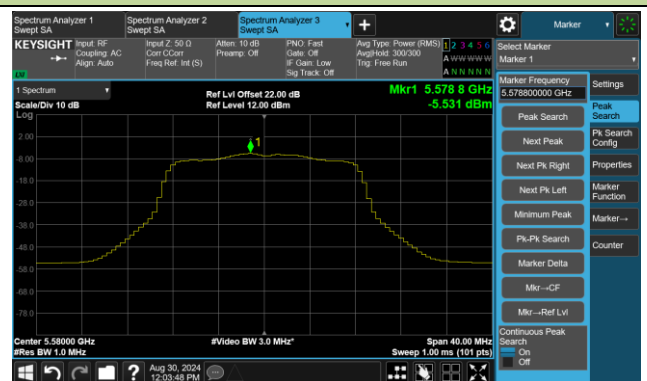
Channel 64 (5320MHz)



Channel 100 (5500MHz)

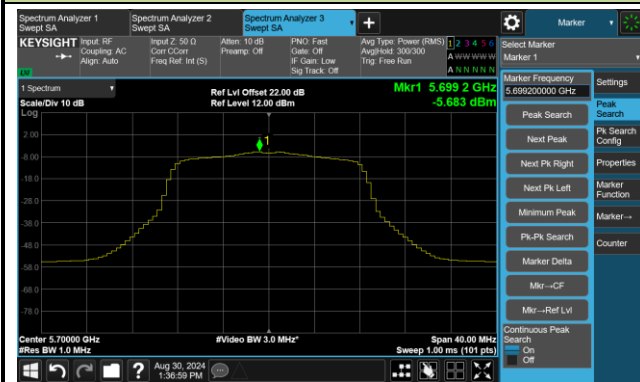


Channel 116 (5580MHz)

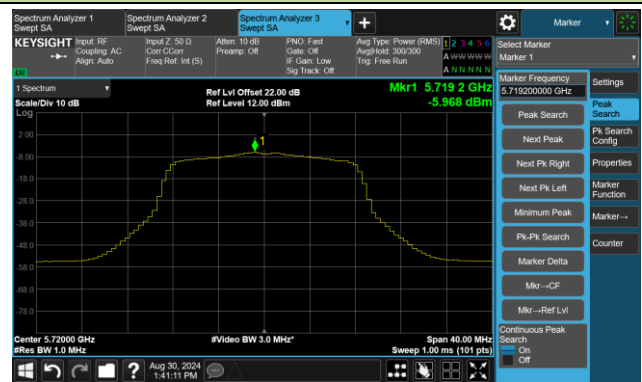


802.11a Power Spectral Density- Ant 0

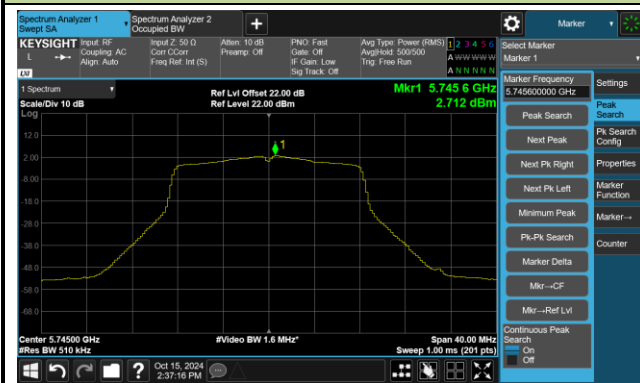
Channel 140 (5700MHz)



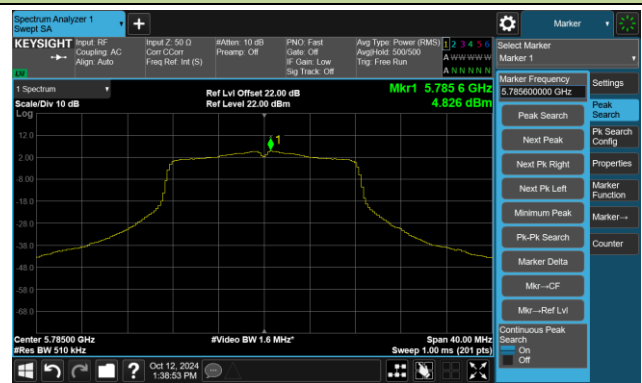
Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)

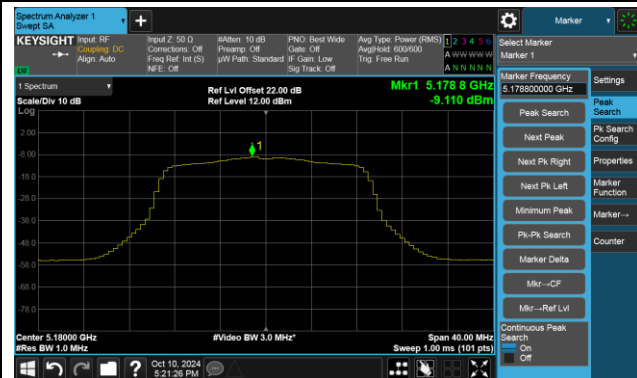


Channel 165 (5825MHz)

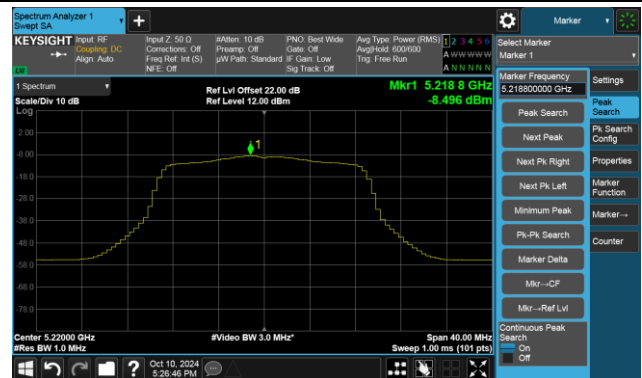


802.11ac-VHT20 Power Spectral Density- Ant 0

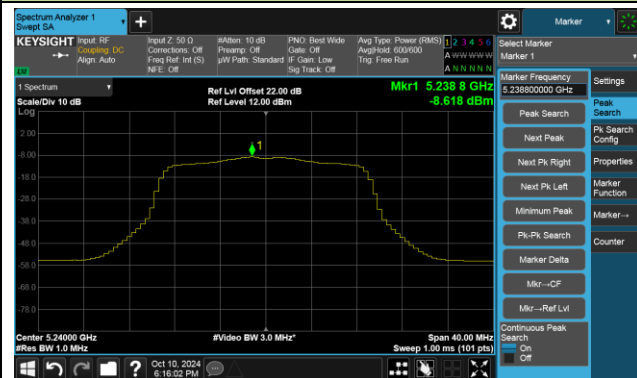
Channel 36 (5180MHz)



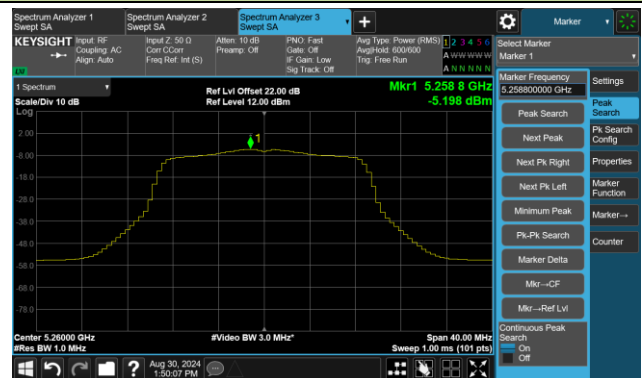
Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



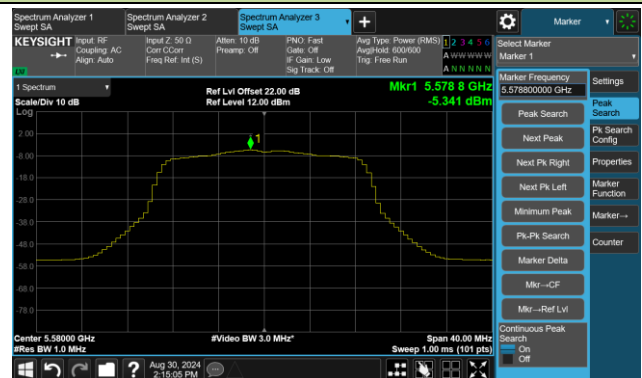
Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

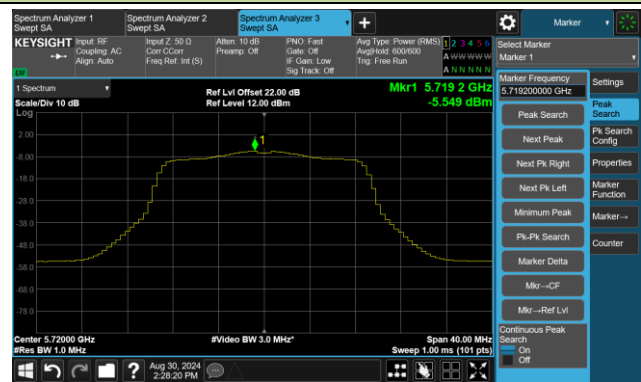


802.11ac-VHT20 Power Spectral Density- Ant 0

Channel 140 (5700MHz)



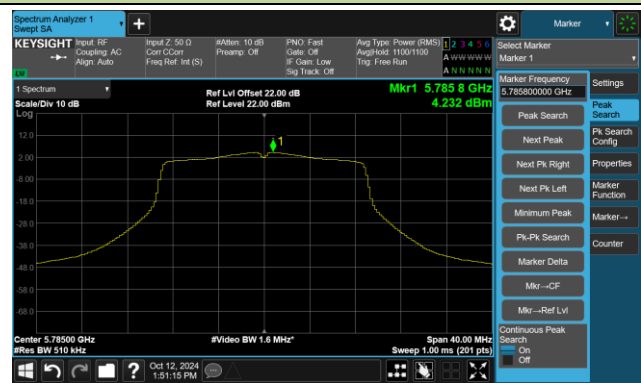
Channel 144(5720MHz)



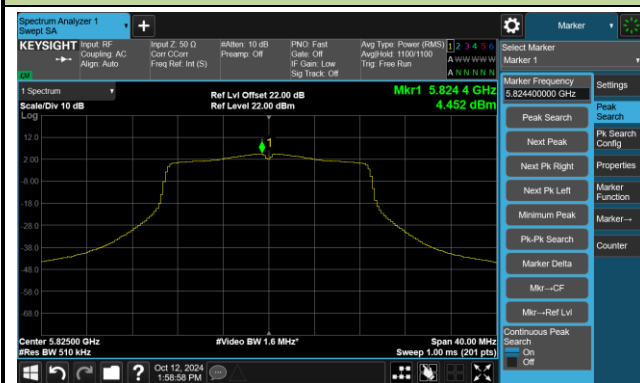
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

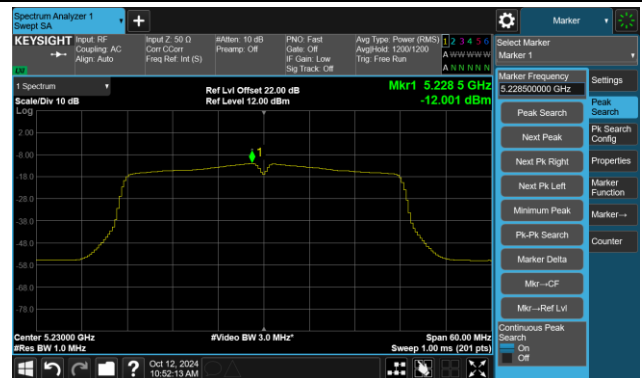


802.11ac-VHT40 Power Spectral Density- Ant 0

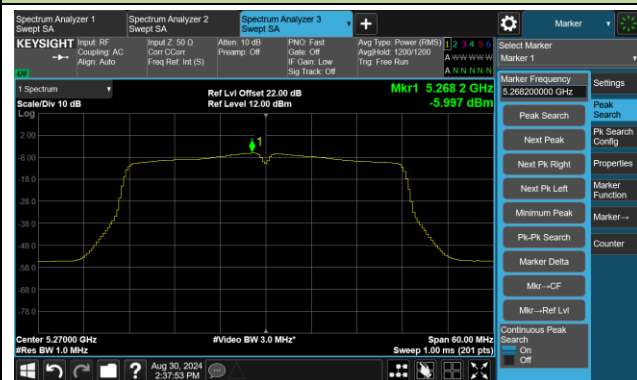
Channel 38 (5190MHz)



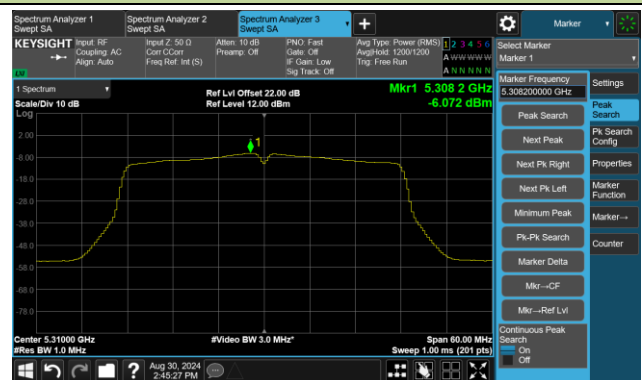
Channel 46 (5230MHz)



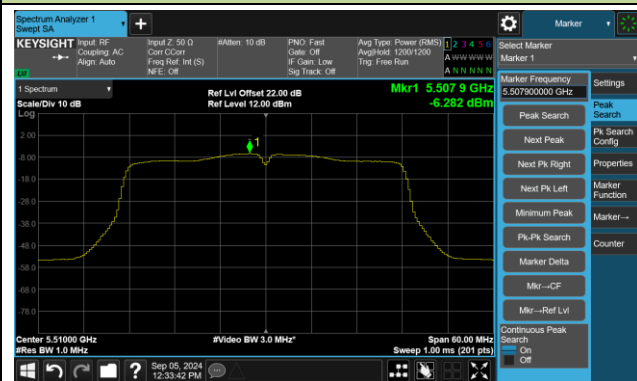
Channel 54 (5270MHz)



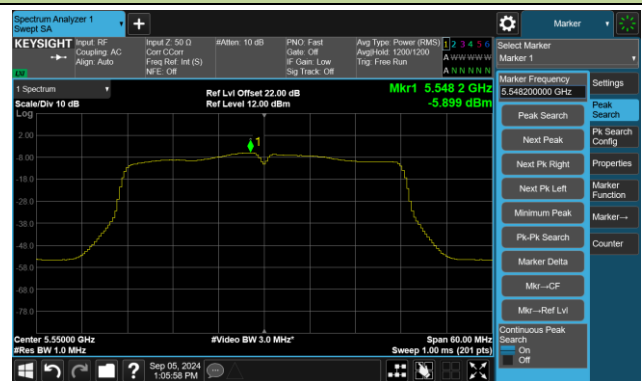
Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142(5710MHz)

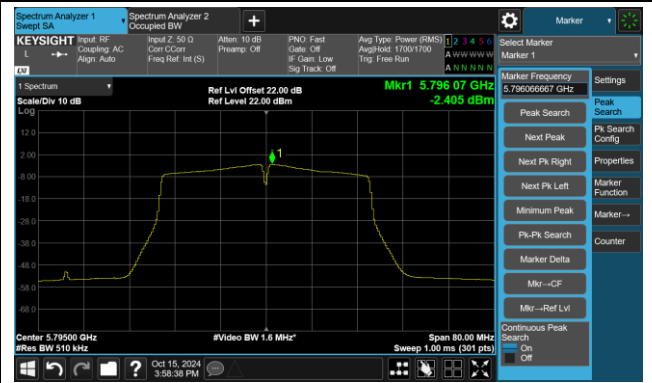


802.11ac-VHT40 Power Spectral Density- Ant 0

Channel 151 (5755MHz)

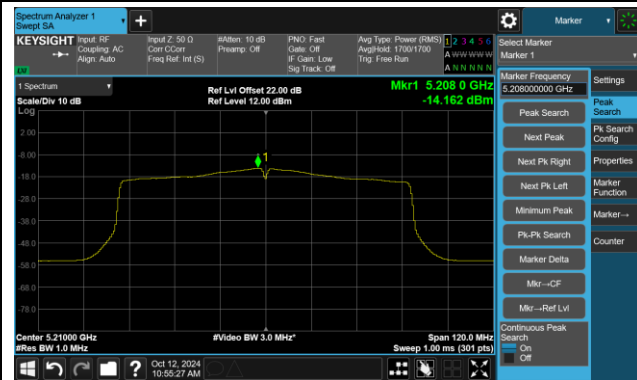


Channel 159 (5795MHz)



802.11ac-VHT80 Power Spectral Density- Ant 0

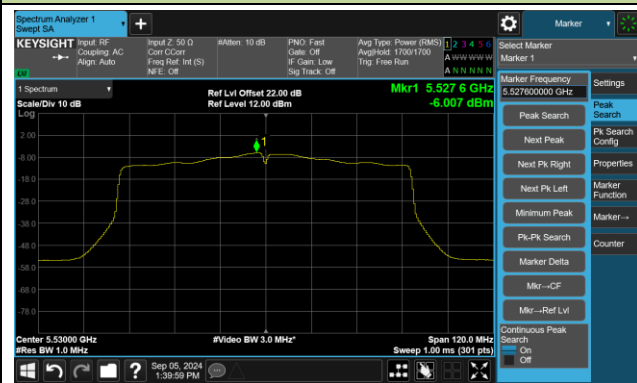
Channel 42 (5210MHz)



Channel 58 (5290MHz)



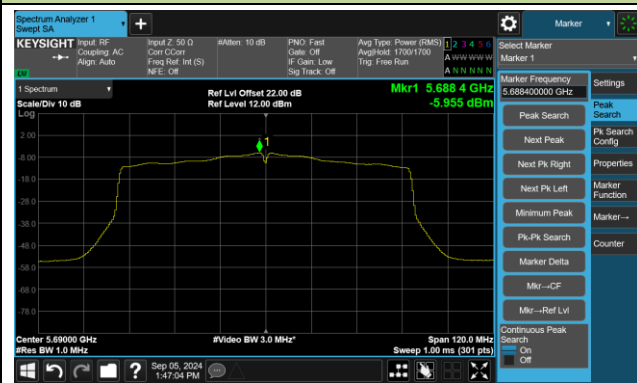
Channel 106 (5530MHz)



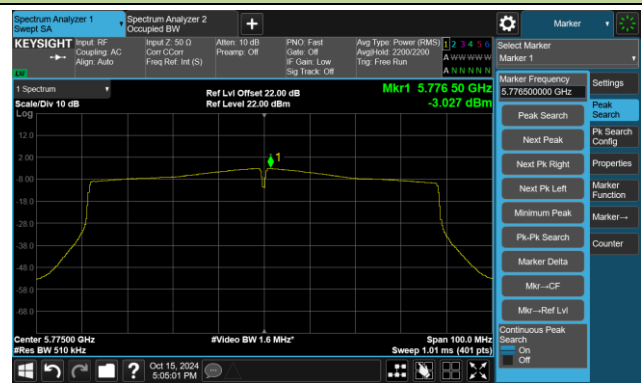
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)

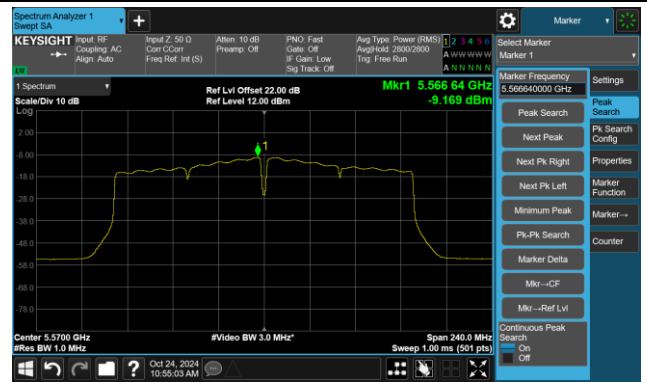


802.11ac-VHT160 Power Spectral Density- Ant 0

Channel 50 (5250MHz)



Channel 114 (5570MHz)



802.11ax-HE20 Power Spectral Density- Ant 0

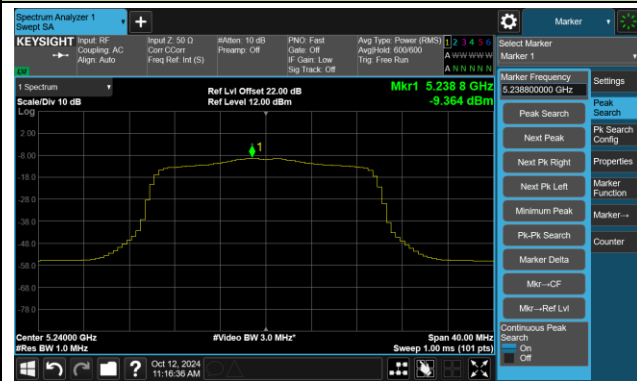
Channel 36 (5180MHz)



Channel 44 (5220MHz)



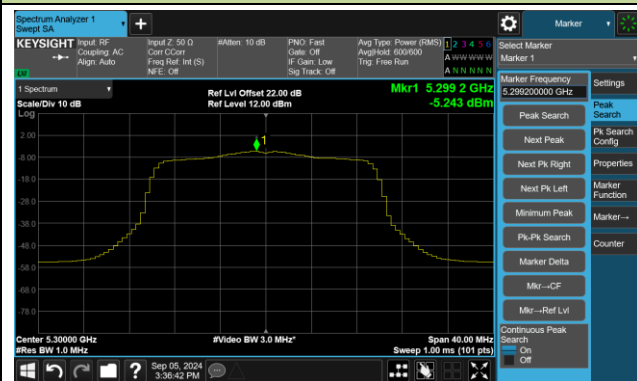
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)



802.11ax-HE20 Power Spectral Density- Ant 0

Channel 140 (5700MHz)



Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

