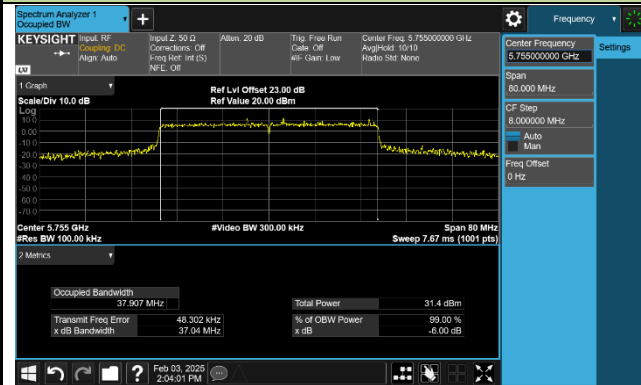
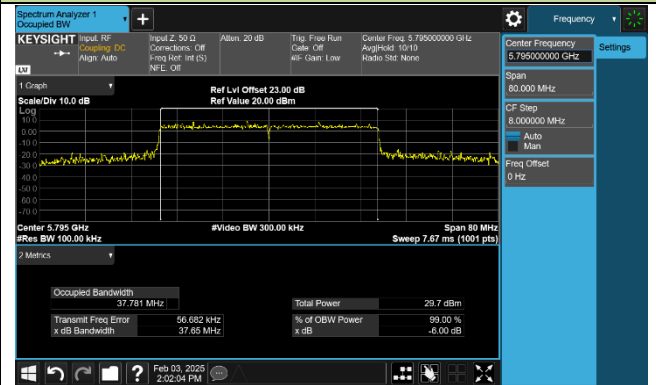


802.11be-EHT 40 6dB Bandwidth

Channel 151 (5755MHz)

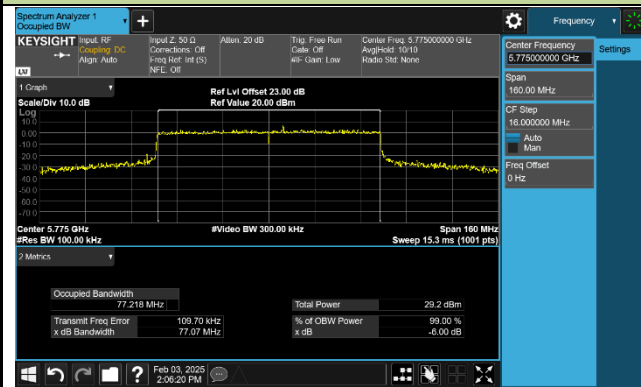


Channel 159 (5795MHz)



802.11be-EHT 80 6dB Bandwidth

Channel 155 (5775MHz)



7.4. Output Power Measurement

7.4.1. Test Limit

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

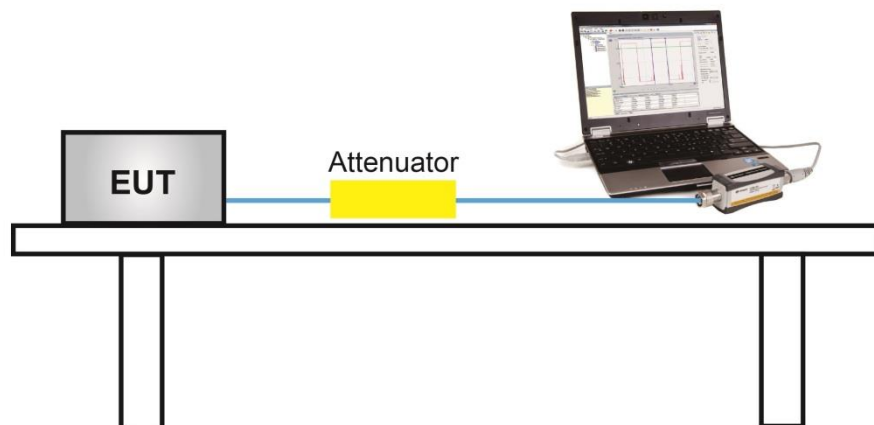
7.4.2. Test Procedure Used

KDB 789033D02v02r01- Section E)3)b) Method PM-G

7.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

7.4.4. Test Setup



7.4.5.Test Result

Product	BE3600 Dual-Band Wi-Fi 7 Router	Test Engineer	Wen
Test Site	SR6	Test Date	2025/1/21~2025/1/24
Test Mode	CDD Mode		

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)	Result
11a	6Mbps	36	5180	21.93	21.85	24.90	≤ 30.00	Pass
11a	6Mbps	40	5200	24.68	24.90	27.80	≤ 30.00	Pass
11a	6Mbps	48	5240	24.72	24.93	27.84	≤ 30.00	Pass
11a	6Mbps	52	5260	18.40	18.57	21.50	≤ 23.98	Pass
11a	6Mbps	60	5300	18.25	18.51	21.39	≤ 23.98	Pass
11a	6Mbps	64	5320	17.88	18.12	21.01	≤ 23.98	Pass
11a	6Mbps	100	5500	17.84	17.47	20.67	≤ 23.98	Pass
11a	6Mbps	116	5580	17.73	17.23	20.50	≤ 23.98	Pass
11a	6Mbps	140	5700	16.85	16.69	19.78	≤ 23.98	Pass
11a	6Mbps	144	5720	17.46	17.47	20.48	≤22.92	Pass
11a	6Mbps	149	5745	24.80	25.03	27.93	≤ 30.00	Pass
11a	6Mbps	157	5785	26.53	26.86	29.71	≤ 30.00	Pass
11a	6Mbps	165	5825	24.01	24.40	27.22	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	21.15	21.34	24.26	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5200	25.00	25.10	28.06	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.88	25.16	28.03	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	18.76	19.07	21.93	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	18.78	18.97	21.89	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	18.70	18.93	21.83	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	18.69	18.22	21.47	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	18.38	18.28	21.34	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	17.58	17.25	20.43	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	18.49	18.48	21.50	≤22.96	Pass
11ac-VHT20	MCS0	149	5745	25.61	25.89	28.76	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	26.34	26.86	29.62	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	25.01	25.47	28.26	≤ 30.00	Pass

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)	Result
11ac-VHT40	MCS0	38	5190	19.75	19.70	22.74	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	23.97	24.11	27.05	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.80	20.91	23.87	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.75	20.95	23.86	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	20.75	20.24	23.51	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.98	20.54	23.78	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	17.67	17.59	20.64	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.25	20.15	23.21	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	26.69	26.73	29.72	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.86	24.85	27.87	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	20.22	20.41	23.33	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.53	20.67	23.61	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	20.94	20.56	23.76	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.74	20.48	23.62	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.62	20.50	23.57	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	24.03	24.56	27.31	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	16.81	17.04	19.94	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	16.23	16.51	19.38	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	20.66	20.62	23.65	≤ 30.00	Pass
11ax-HE20	MCS0	40	5200	25.03	25.04	28.05	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	25.17	25.25	28.22	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	19.18	19.40	22.30	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	18.80	18.96	21.89	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	18.69	18.82	21.77	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	18.59	18.15	21.39	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	18.49	18.18	21.35	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	16.92	16.69	19.82	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	18.25	18.23	21.25	≤ 22.90	Pass
11ax-HE20	MCS0	149	5745	26.41	26.57	29.50	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	26.33	26.74	29.55	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	26.53	26.83	29.69	≤ 30.00	Pass

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)	Result
11ax-HE40	MCS0	38	5190	19.30	19.35	22.34	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.48	24.40	27.45	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.68	20.93	23.82	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	20.58	20.89	23.75	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	20.94	20.57	23.77	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.97	20.70	23.85	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	18.55	18.42	21.50	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.95	20.93	23.95	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	26.27	26.32	29.31	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	25.55	25.76	28.67	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	19.63	19.78	22.72	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.71	20.78	23.76	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	20.53	20.47	23.51	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.80	20.59	23.71	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.94	20.68	23.82	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	24.04	24.40	27.23	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	18.30	18.58	21.45	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	18.85	19.22	22.05	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	21.89	21.83	24.87	≤ 30.00	Pass
11be-EHT20	MCS0	40	5200	24.91	25.23	28.08	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	25.16	25.45	28.32	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	18.93	19.13	22.04	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	18.78	19.14	21.97	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	18.77	19.08	21.94	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	18.60	18.25	21.44	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	18.47	18.22	21.36	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	17.17	17.07	20.13	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	18.25	18.22	21.25	≤ 22.89	Pass
11be-EHT20	MCS0	149	5745	25.99	26.26	29.14	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	24.14	24.34	27.25	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	26.15	26.32	29.25	≤ 30.00	Pass

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)	Result
11be-EHT40	MCS0	38	5190	19.71	19.76	22.75	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	26.86	26.92	29.90	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.69	21.04	23.88	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	20.37	20.64	23.52	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	21.06	20.85	23.97	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.98	20.93	23.97	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	18.87	18.61	21.75	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.99	20.84	23.93	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	26.56	26.71	29.65	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	24.53	24.74	27.65	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	19.32	19.58	22.46	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	20.64	20.58	23.62	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	20.92	20.64	23.79	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	21.06	20.71	23.90	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	21.01	20.76	23.90	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	23.52	23.99	26.77	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	18.90	19.37	22.15	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	18.84	19.14	22.00	≤ 23.98	Pass

Note 1:

The 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 and 5470 - 5725MHz Band: Average Power Limit (dBm) = 23.98 dBm.

For 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 dBm.

For Channel 144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2)$

7.5. Transmit Power Control

7.5.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

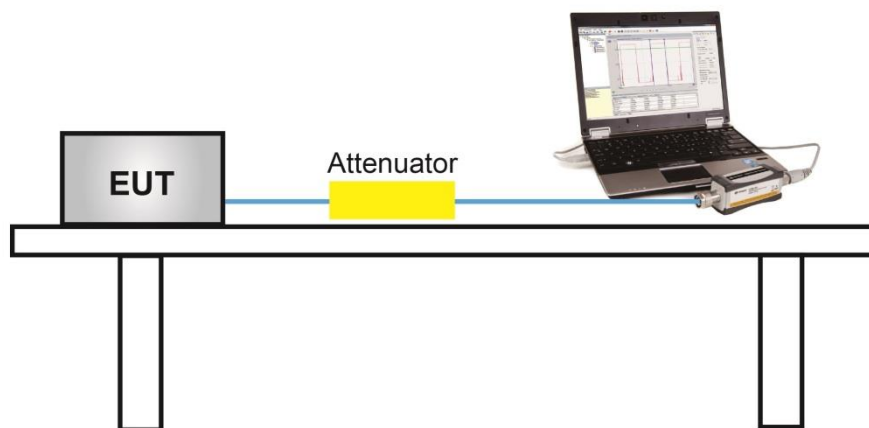
7.5.2. Test Procedure Used

KDB 789033 D02v02r01- Section E)3)b) Method PM-G

7.5.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.5.4. Test Setup



7.5.5. Test Result

Device supports TPC mechanism, details refer to the operational description.

7.6. Power Spectral Density Measurement

7.6.1. Test Limit

For the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

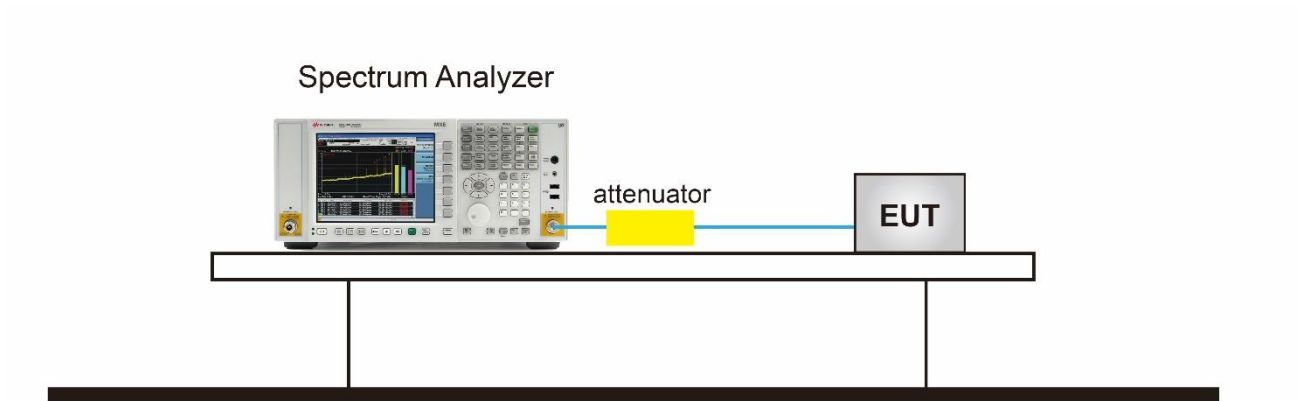
7.6.2. Test Procedure Used

KDB 789033 D02v02r01-Section F

7.6.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz,
RBW = 510 kHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add $10 \cdot \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \cdot \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

7.6.4. Test Setup



7.6.5. Test Result

Product	BE3600 Dual-Band Wi-Fi 7 Router	Test Engineer	Wen
Test Site	SR6	Test Date	2025/1/21~2025/1/24
Mode	Power Spectral Density (U-NII- 1/-2a / -2c) CDD Mode		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	9.576	9.946	96.45%	12.932	≤ 15.96	Pass
11a	6Mbps	40	5200	12.381	12.993	96.45%	15.865	≤ 15.96	Pass
11a	6Mbps	48	5240	12.613	12.872	96.45%	15.912	≤ 15.96	Pass
11a	6Mbps	52	5260	6.463	6.690	96.45%	9.745	≤ 9.85	Pass
11a	6Mbps	60	5300	6.772	6.548	96.45%	9.829	≤ 9.85	Pass
11a	6Mbps	64	5320	6.234	6.456	96.45%	9.514	≤ 9.85	Pass
11a	6Mbps	100	5500	5.871	5.293	96.45%	8.759	≤ 8.98	Pass
11a	6Mbps	116	5580	5.450	5.150	96.45%	8.470	≤ 8.98	Pass
11a	6Mbps	140	5700	4.540	4.730	96.45%	7.803	≤ 8.98	Pass
11a	6Mbps	144	5720	5.641	5.356	96.45%	8.668	≤ 8.48	Pass
11ac-VHT20	MCS0	36	5180	8.567	8.791	98.48%	11.757	≤ 15.96	Pass
11ac-VHT20	MCS0	40	5200	12.522	12.577	98.48%	15.626	≤ 15.96	Pass
11ac-VHT20	MCS0	48	5240	12.565	12.796	98.48%	15.759	≤ 15.96	Pass
11ac-VHT20	MCS0	52	5260	6.547	6.764	98.48%	9.734	≤ 9.85	Pass
11ac-VHT20	MCS0	60	5300	6.395	6.972	98.48%	9.770	≤ 9.85	Pass
11ac-VHT20	MCS0	64	5320	6.693	6.665	98.48%	9.756	≤ 9.85	Pass
11ac-VHT20	MCS0	100	5500	5.658	5.707	98.48%	8.759	≤ 8.98	Pass
11ac-VHT20	MCS0	116	5580	5.884	5.889	98.48%	8.963	≤ 8.98	Pass
11ac-VHT20	MCS0	140	5700	4.851	5.029	98.48%	8.018	≤ 8.98	Pass
11ac-VHT20	MCS0	144	5720	5.628	5.832	98.48%	8.808	≤ 8.98	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT40	MCS0	38	5190	4.188	4.183	97.03%	7.327	≤ 15.96	Pass
11ac-VHT40	MCS0	46	5230	8.683	9.157	97.03%	12.068	≤ 15.96	Pass
11ac-VHT40	MCS0	54	5270	5.200	5.878	97.03%	8.693	≤ 9.85	Pass
11ac-VHT40	MCS0	62	5310	5.519	6.096	97.03%	8.958	≤ 9.85	Pass
11ac-VHT40	MCS0	102	5510	5.503	5.409	97.03%	8.597	≤ 8.98	Pass
11ac-VHT40	MCS0	110	5550	5.844	5.794	97.03%	8.960	≤ 8.98	Pass
11ac-VHT40	MCS0	134	5670	3.020	3.244	97.03%	6.275	≤ 8.98	Pass
11ac-VHT40	MCS0	142	5710	5.643	5.929	97.03%	8.930	≤ 8.98	Pass
11ac-VHT80	MCS0	42	5210	1.927	2.332	96.36%	5.306	≤ 15.96	Pass
11ac-VHT80	MCS0	58	5290	2.992	3.019	96.36%	6.177	≤ 9.85	Pass
11ac-VHT80	MCS0	106	5530	2.737	2.389	96.36%	5.738	≤ 8.98	Pass
11ac-VHT80	MCS0	122	5610	2.567	2.387	96.36%	5.649	≤ 8.98	Pass
11ac-VHT80	MCS0	138	5690	2.513	2.412	96.36%	5.634	≤ 8.98	Pass
11ac-VHT160	MCS0	50	5250	-4.146	-3.622	97.48%	-0.755	≤ 9.85	Pass
11ac-VHT160	MCS0	114	5570	-5.187	-4.936	97.48%	-1.939	≤ 8.98	Pass
11ax-HE20	MCS0	36	5180	7.583	8.207	98.17%	10.997	≤ 15.96	Pass
11ax-HE20	MCS0	40	5200	12.404	12.951	98.17%	15.777	≤ 15.96	Pass
11ax-HE20	MCS0	48	5240	12.535	13.011	98.17%	15.870	≤ 15.96	Pass
11ax-HE20	MCS0	52	5260	6.641	6.633	98.17%	9.728	≤ 9.85	Pass
11ax-HE20	MCS0	60	5300	6.415	7.039	98.17%	9.829	≤ 9.85	Pass
11ax-HE20	MCS0	64	5320	6.217	7.034	98.17%	9.735	≤ 9.85	Pass
11ax-HE20	MCS0	100	5500	5.627	5.865	98.17%	8.838	≤ 8.98	Pass
11ax-HE20	MCS0	116	5580	5.671	5.846	98.17%	8.850	≤ 8.98	Pass
11ax-HE20	MCS0	140	5700	4.331	4.616	98.17%	7.566	≤ 8.98	Pass
11ax-HE20	MCS0	144	5720	5.461	6.087	98.17%	8.876	≤ 8.98	Pass

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11ax-HE40	MCS0	38	5190	4.011	4.245	98.01%	7.227	≤ 15.96	Pass
11ax-HE40	MCS0	46	5230	8.759	9.096	98.01%	12.028	≤ 15.96	Pass
11ax-HE40	MCS0	54	5270	5.572	6.054	98.01%	8.917	≤ 9.85	Pass
11ax-HE40	MCS0	62	5310	5.277	5.910	98.01%	8.703	≤ 9.85	Pass
11ax-HE40	MCS0	102	5510	5.620	5.224	98.01%	8.524	≤ 8.98	Pass
11ax-HE40	MCS0	110	5550	5.478	5.136	98.01%	8.408	≤ 8.98	Pass
11ax-HE40	MCS0	134	5670	3.293	3.321	98.01%	6.405	≤ 8.98	Pass
11ax-HE40	MCS0	142	5710	5.569	6.018	98.01%	8.897	≤ 8.98	Pass
11ax-HE80	MCS0	42	5210	1.509	1.544	98.10%	4.620	≤ 15.96	Pass
11ax-HE80	MCS0	58	5290	2.746	2.863	98.10%	5.899	≤ 9.85	Pass
11ax-HE80	MCS0	106	5530	2.637	1.892	98.10%	5.374	≤ 8.98	Pass
11ax-HE80	MCS0	122	5610	2.653	2.300	98.10%	5.574	≤ 8.98	Pass
11ax-HE80	MCS0	122	5690	2.751	2.727	98.10%	5.833	≤ 8.98	Pass
11ax-HE160	MCS0	50	5250	-2.215	-1.537	98.72%	1.203	≤ 9.85	Pass
11ax-HE160	MCS0	114	5570	-2.158	-1.715	98.72%	1.135	≤ 8.98	Pass
11be-EHT20	MCS0	36	5180	9.311	9.349	98.35%	12.413	≤ 15.96	Pass
11be-EHT20	MCS0	40	5200	12.355	12.600	98.35%	15.562	≤ 15.96	Pass
11be-EHT20	MCS0	48	5240	12.603	13.118	98.35%	15.951	≤ 15.96	Pass
11be-EHT20	MCS0	52	5260	6.404	6.843	98.35%	9.712	≤ 9.85	Pass
11be-EHT20	MCS0	60	5300	6.597	6.917	98.35%	9.843	≤ 9.85	Pass
11be-EHT20	MCS0	64	5320	6.462	6.973	98.35%	9.808	≤ 9.85	Pass
11be-EHT20	MCS0	100	5500	5.826	5.907	98.35%	8.949	≤ 8.98	Pass
11be-EHT20	MCS0	116	5580	5.741	5.749	98.35%	8.828	≤ 8.98	Pass
11be-EHT20	MCS0	140	5700	4.672	4.663	98.35%	7.750	≤ 8.98	Pass
11be-EHT20	MCS0	144	5720	5.608	5.572	98.35%	8.673	≤ 8.98	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11be-EHT40	MCS0	38	5190	4.284	4.084	96.88%	7.333	≤ 15.96	Pass
11be-EHT40	MCS0	46	5230	11.342	11.820	96.88%	14.736	≤ 15.96	Pass
11be-EHT40	MCS0	54	5270	5.624	5.689	96.88%	8.805	≤ 9.85	Pass
11be-EHT40	MCS0	62	5310	5.352	5.943	96.88%	8.806	≤ 9.85	Pass
11be-EHT40	MCS0	102	5510	5.768	5.652	96.88%	8.858	≤ 8.98	Pass
11be-EHT40	MCS0	110	5550	5.628	5.280	96.88%	8.605	≤ 8.98	Pass
11be-EHT40	MCS0	134	5670	3.396	3.509	96.88%	6.601	≤ 8.98	Pass
11be-EHT40	MCS0	142	5710	5.760	5.664	96.88%	8.860	≤ 8.98	Pass
11be-EHT80	MCS0	42	5210	1.225	1.214	97.80%	4.326	≤ 15.96	Pass
11be-EHT80	MCS0	58	5290	2.825	3.006	97.80%	6.023	≤ 9.85	Pass
11be-EHT80	MCS0	106	5530	2.951	2.562	97.80%	5.868	≤ 8.98	Pass
11be-EHT80	MCS0	122	5610	3.033	2.640	97.80%	5.948	≤ 8.98	Pass
11be-EHT80	MCS0	138	5690	2.863	2.692	97.80%	5.885	≤ 8.98	Pass
11be-EHT160	MCS0	50	5250	-1.725	-0.850	98.54%	1.809	≤ 9.85	Pass
11be-EHT160	MCS0	114	5570	-1.888	-2.094	98.54%	1.084	≤ 8.98	Pass

Note 1: Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + 10 \cdot \log (1/\text{Duty Cycle})(\text{dBm/MHz})$.

Note 2:

For 5150 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (7.04 - 6) = 15.96dBm/MHz.

For 5250 - 5350MHz Band: PSD Limit (dBm/MHz) = 11 - (7.15 - 6) = 9.85dBm/MHz.

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (8.02 - 6) = 8.98dBm/MHz.

Product	BE3600 Dual-Band Wi-Fi 7 Router	Test Engineer	Wen
Test Site	SR6	Test Date	2025/1/21~2025/1/24
Test Item	Power Spectral Density (U-NII-3) CDD Mode		

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/510KHz)	Ant 1 PSD (dBm/510KHz)	Duty Cycle (%)	Total PSD(dBm/ 510kHz)	Limit (dBm/ 500kHz)	Result
11a	6Mbps	149	5745	9.917	10.502	96.45%	13.387	≤ 27.96	Pass
11a	6Mbps	157	5785	11.675	12.334	96.45%	15.184	≤ 27.96	Pass
11a	6Mbps	165	5825	9.349	9.816	96.45%	12.756	≤ 27.96	Pass
11ac-VHT20	MCS0	149	5745	10.324	11.036	98.48%	13.771	≤ 27.96	Pass
11ac-VHT20	MCS0	157	5785	11.400	11.889	98.48%	14.728	≤ 27.96	Pass
11ac-VHT20	MCS0	165	5825	10.217	10.737	98.48%	13.562	≤ 27.96	Pass
11ac-VHT40	MCS0	151	5755	9.155	9.929	97.03%	12.700	≤ 27.96	Pass
11ac-VHT40	MCS0	159	5795	7.488	7.719	97.03%	10.746	≤ 27.96	Pass
11ac-VHT80	MCS0	155	5775	3.121	4.125	96.36%	6.823	≤ 27.96	Pass
11ax-HE20	MCS0	149	5745	10.957	11.570	98.17%	14.365	≤ 27.96	Pass
11ax-HE20	MCS0	157	5785	11.255	11.768	98.17%	14.610	≤ 27.96	Pass
11ax-HE20	MCS0	165	5825	11.456	12.016	98.17%	14.836	≤ 27.96	Pass
11ax-HE40	MCS0	151	5755	8.342	8.706	98.01%	11.625	≤ 27.96	Pass
11ax-HE40	MCS0	159	5795	7.564	8.027	98.01%	10.899	≤ 27.96	Pass
11ax-HE80	MCS0	155	5775	3.592	4.015	98.10%	6.902	≤ 27.96	Pass
11be-EHT20	MCS0	149	5745	10.904	11.176	98.35%	14.125	≤ 27.96	Pass
11be-EHT20	MCS0	157	5785	8.771	9.431	98.35%	12.196	≤ 27.96	Pass
11be-EHT20	MCS0	165	5825	10.960	11.579	98.35%	14.363	≤ 27.96	Pass
11be-EHT40	MCS0	151	5755	8.465	9.031	96.88%	11.905	≤ 27.96	Pass
11be-EHT40	MCS0	159	5795	7.023	6.923	96.88%	10.121	≤ 27.96	Pass
11be-EHT80	MCS0	155	5775	2.800	3.385	97.80%	6.209	≤ 27.96	Pass

Note 1: The total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

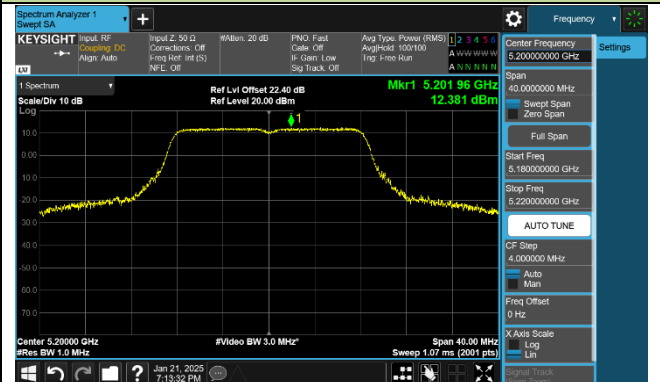
Note 2: PSD Limit (dBm/500kHz) = 30 - (8.04 - 6) = 27.96 (dBm/500kHz).

802.11a Power Spectral Density - Ant 0

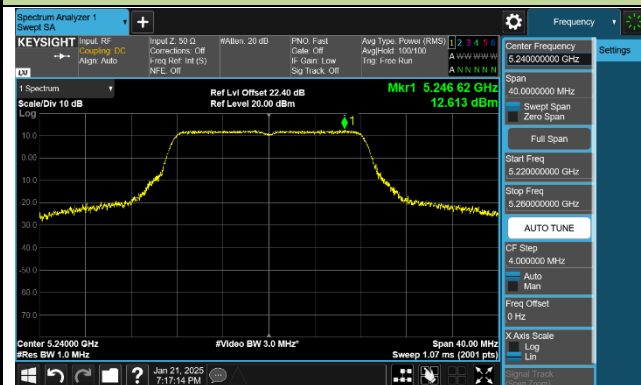
Channel 36 (5180MHz)



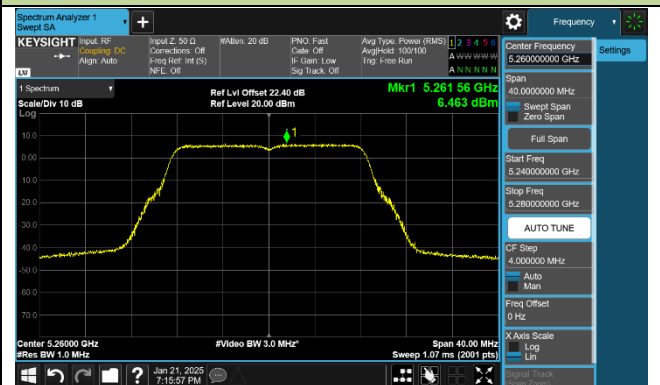
Channel 40 (5200MHz)



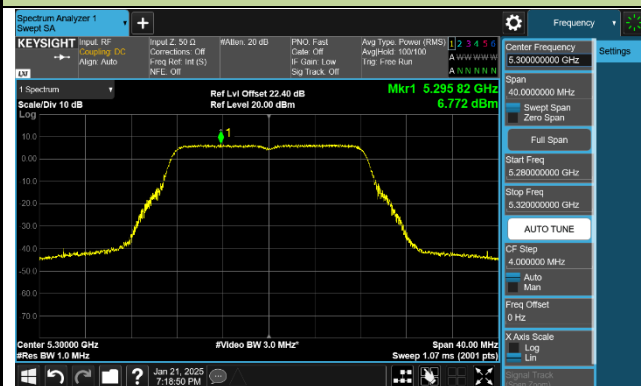
Channel 48 (5240MHz)



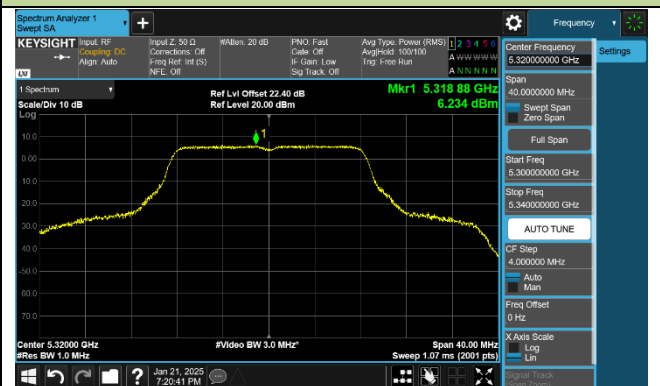
Channel 52 (5260MHz)



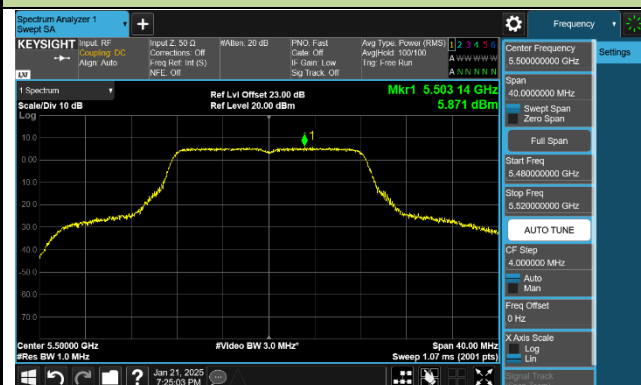
Channel 60 (5300MHz)



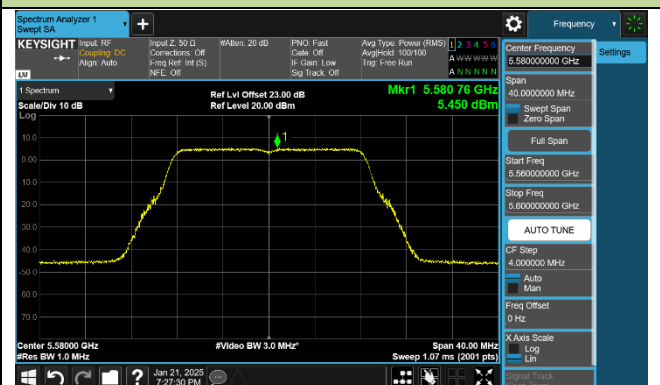
Channel 64 (5320MHz)

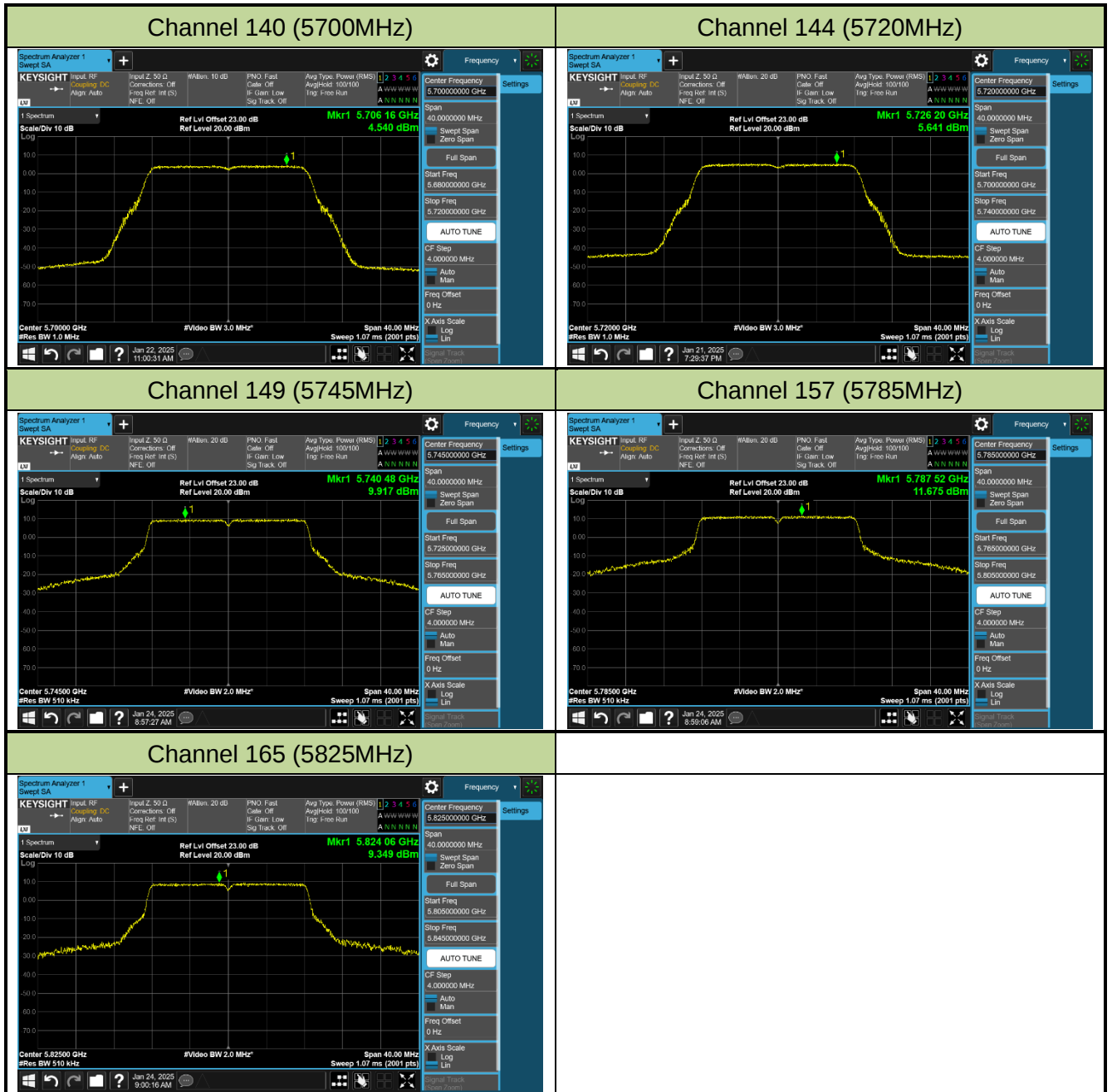


Channel 100 (5500MHz)



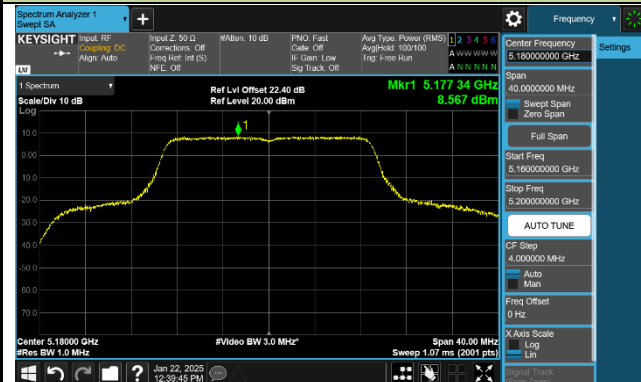
Channel 116 (5580MHz)



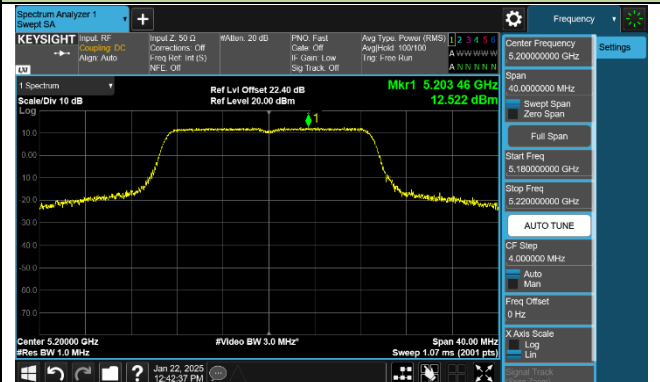


802.11ac-VHT20 Power Spectral Density - Ant 0

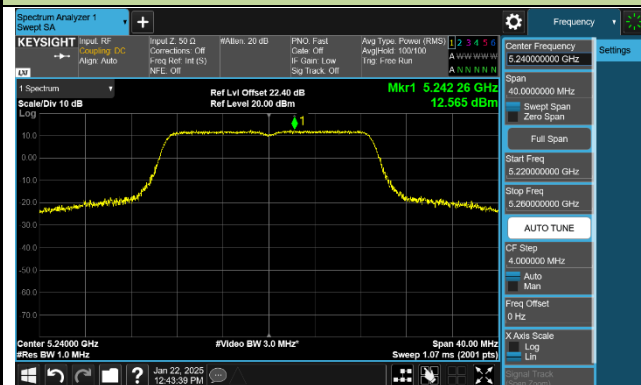
Channel 36 (5180MHz)



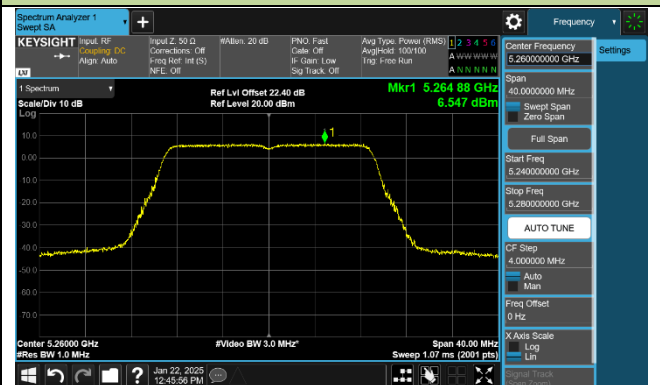
Channel 40 (5200MHz)



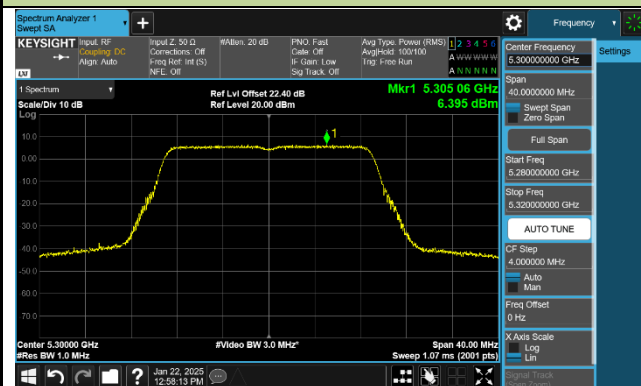
Channel 48 (5240MHz)



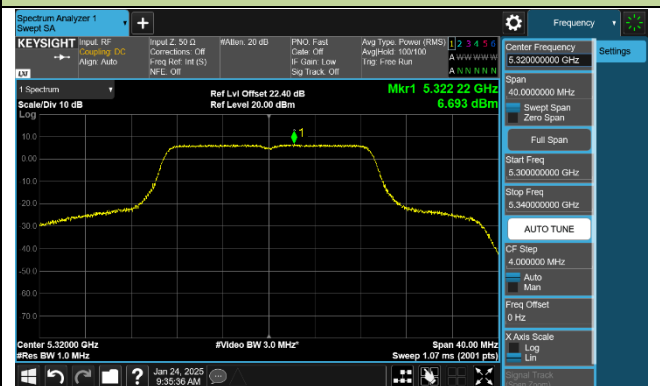
Channel 52 (5260MHz)



Channel 60 (5300MHz)



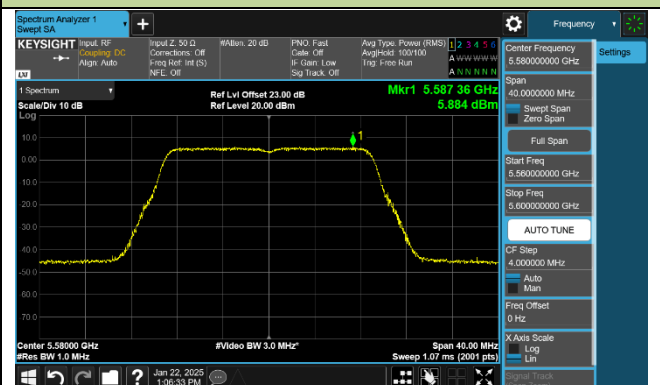
Channel 64 (5320MHz)

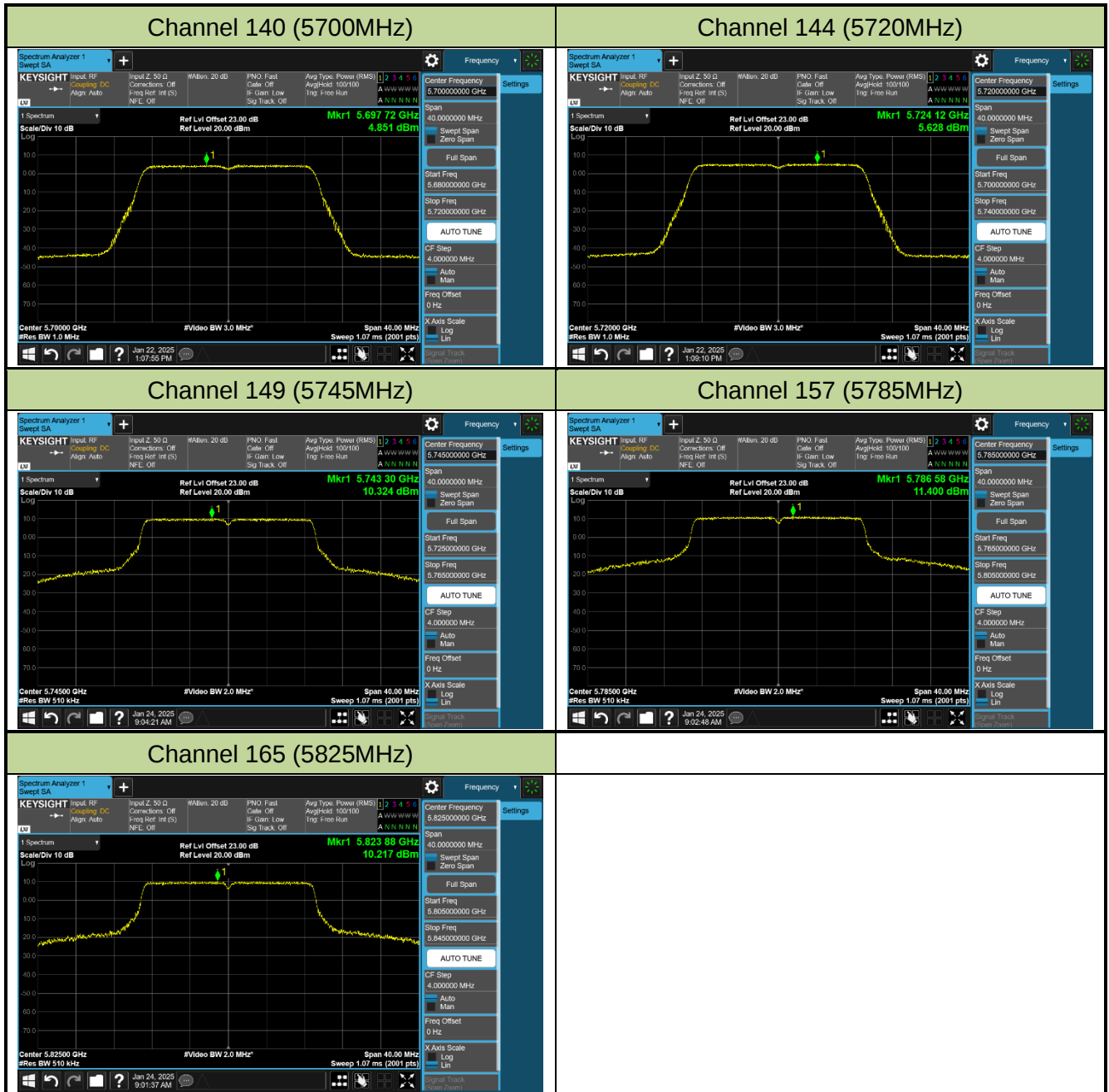


Channel 100 (5500MHz)



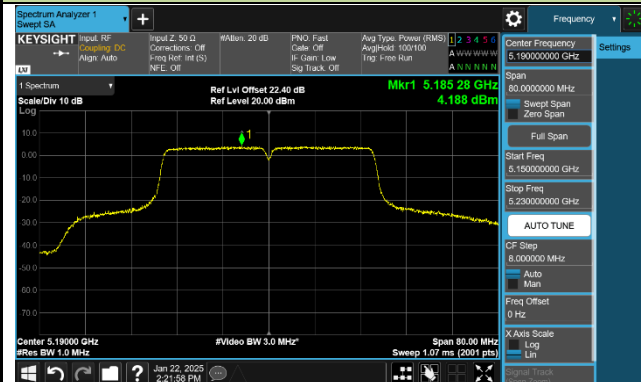
Channel 116 (5580MHz)



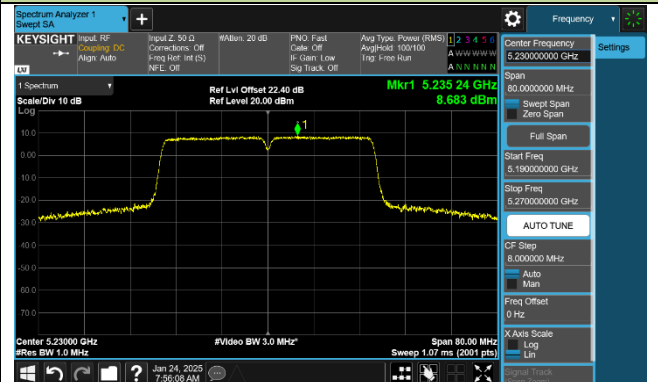


802.11ac-VHT40 Power Spectral Density - Ant 0

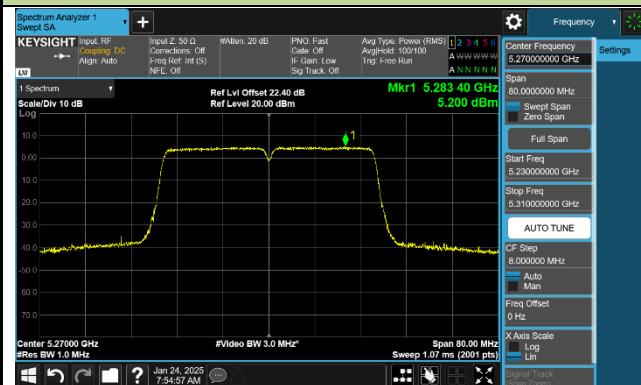
Channel 38 (5190MHz)



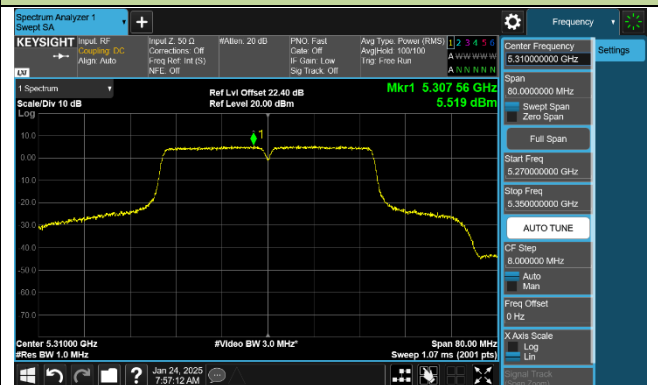
Channel 46 (5230MHz)



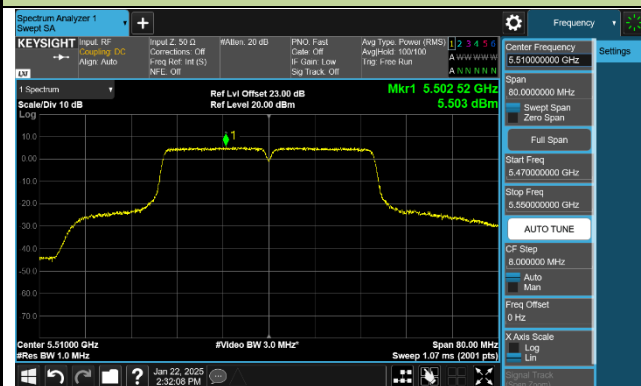
Channel 54 (5270MHz)



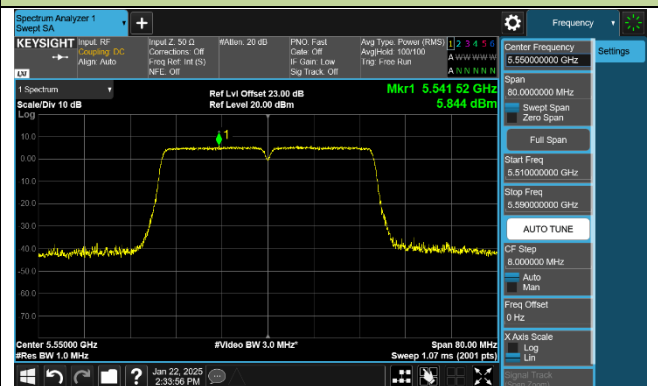
Channel 62 (5310MHz)



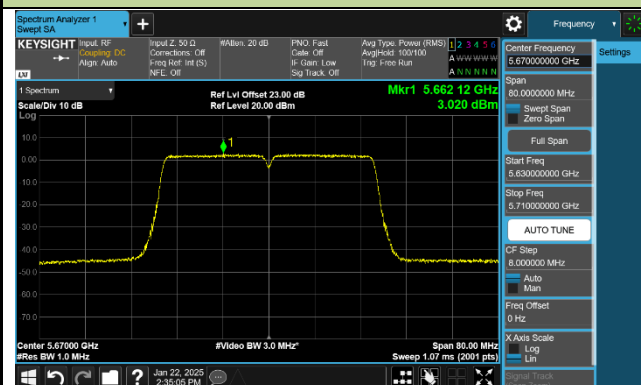
Channel 102 (5510MHz)



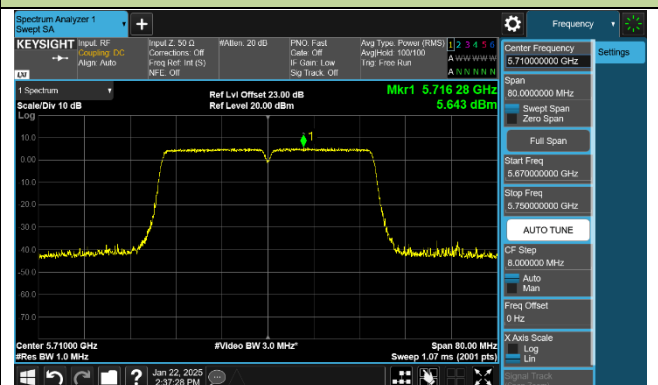
Channel 110 (5550MHz)

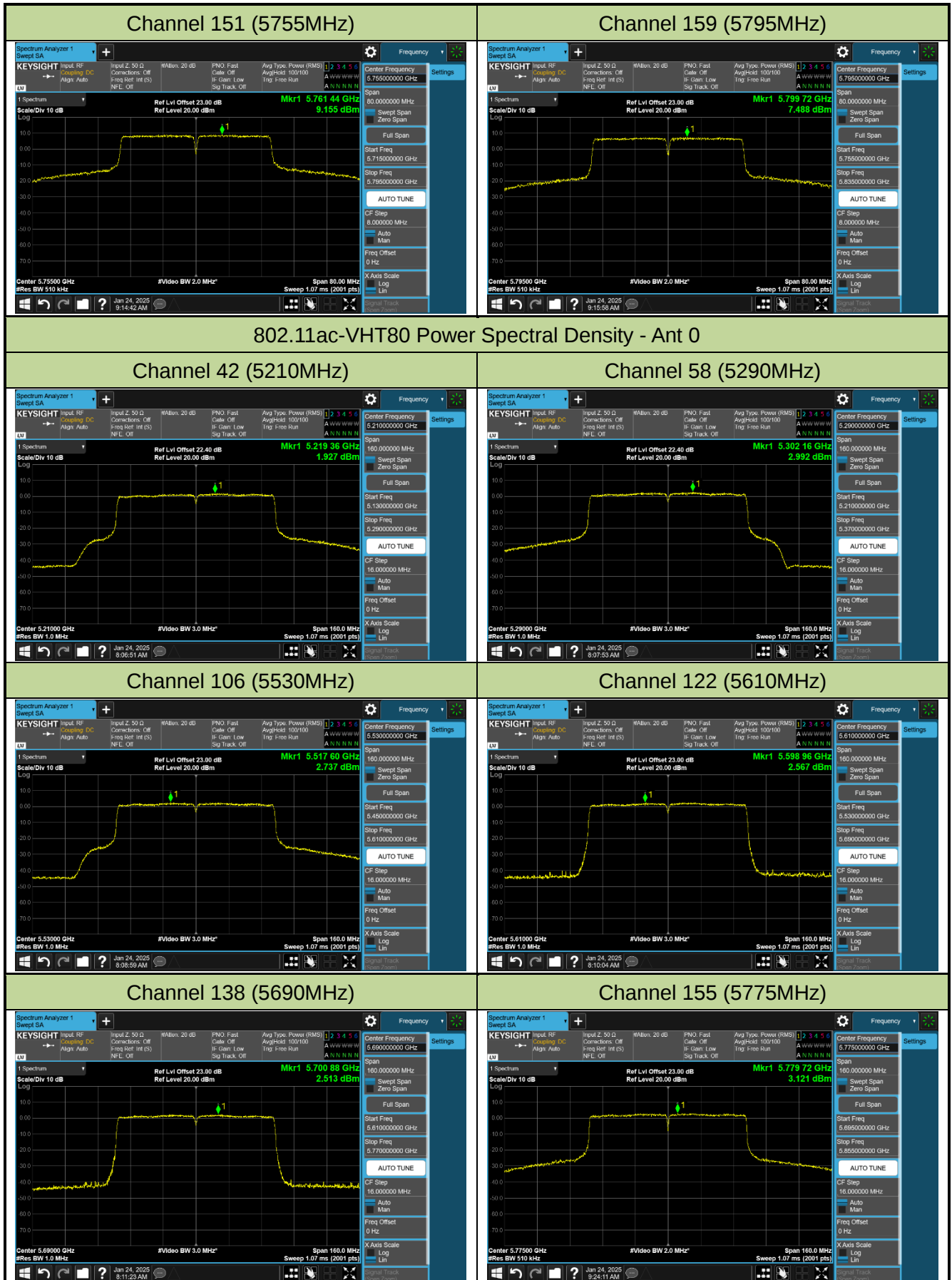


Channel 134 (5670MHz)



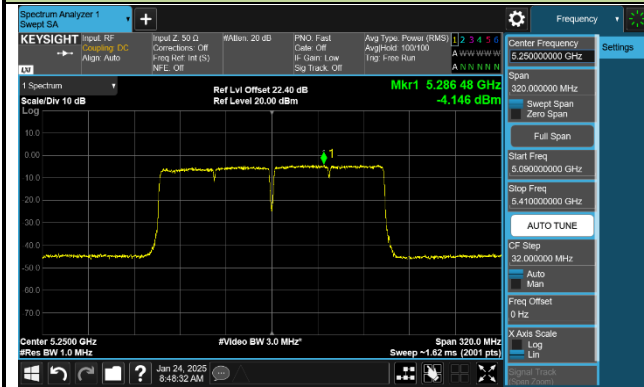
Channel 142 (5710MHz)



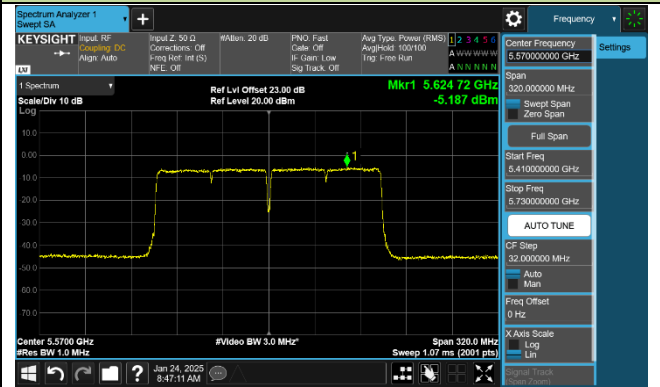


802.11ac-VHT160 Power Spectral Density - Ant 0

Channel 50 (5250MHz)

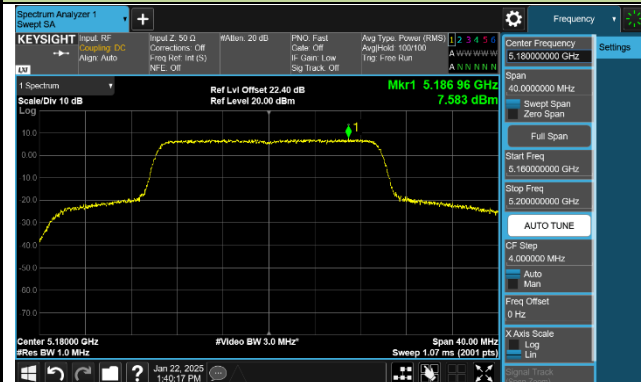


Channel 114 (5570MHz)

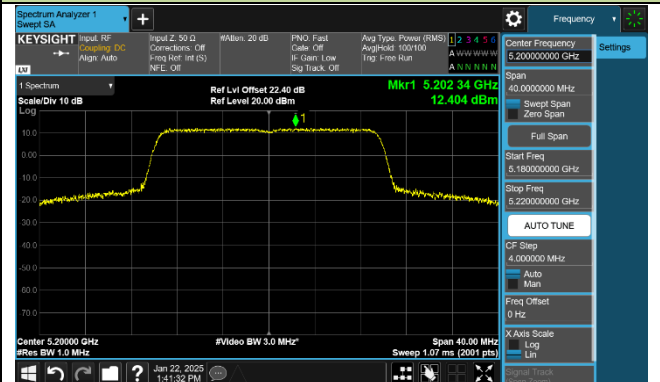


802.11ax-HE20 Power Spectral Density - Ant 0

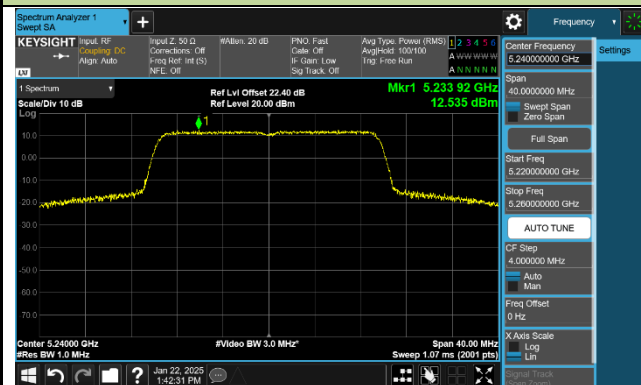
Channel 36 (5180MHz)



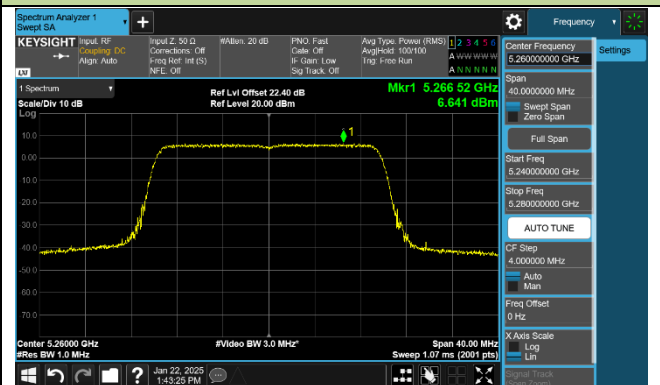
Channel 40 (5200MHz)



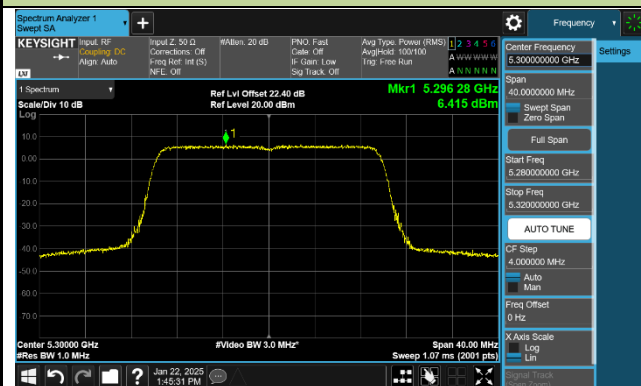
Channel 48 (5240MHz)



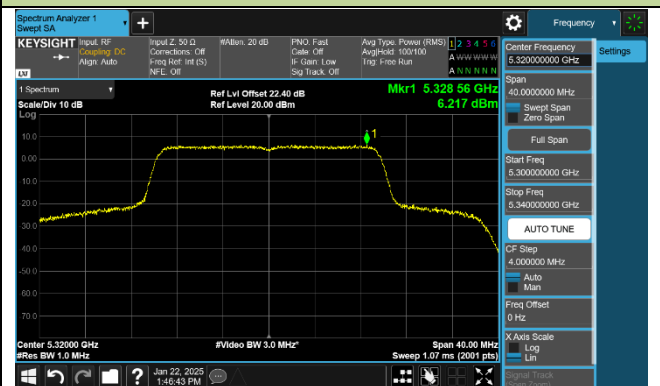
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

