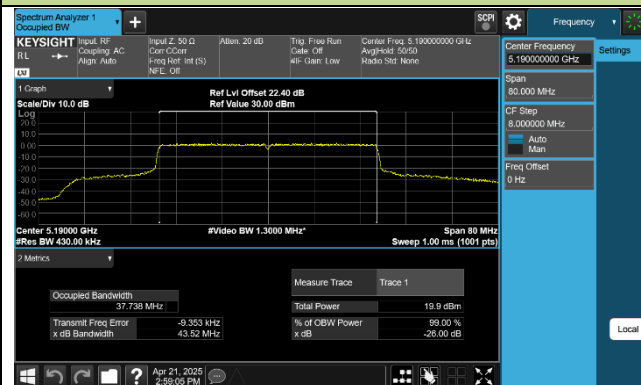
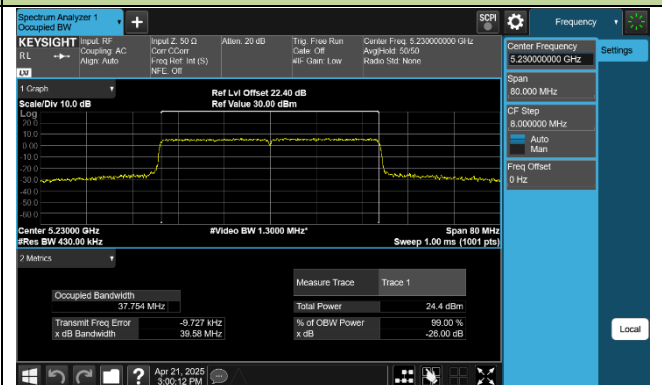


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

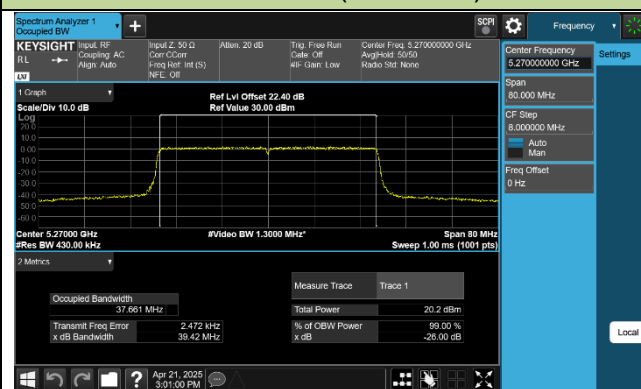
Channel 38 (5190MHz)



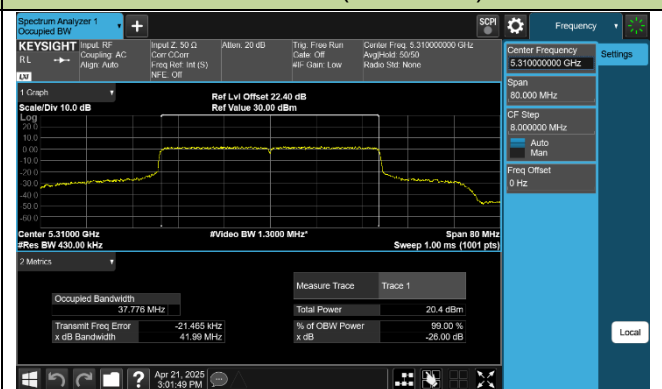
Channel 46 (5230MHz)



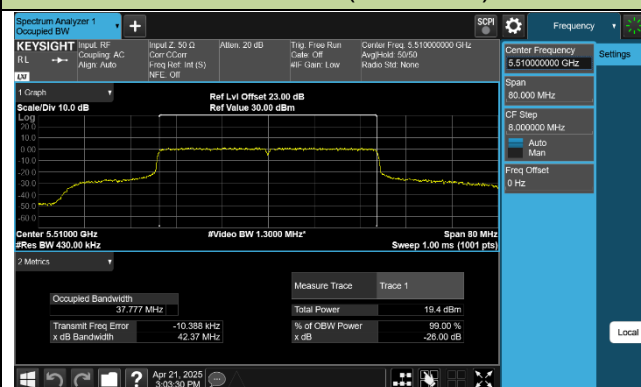
Channel 54 (5270MHz)



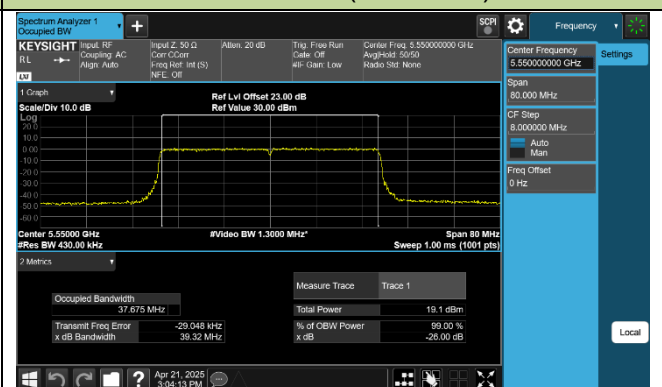
Channel 62 (5310MHz)



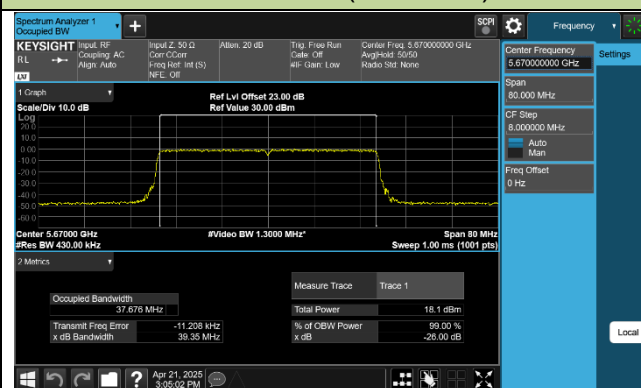
Channel 102 (5510MHz)



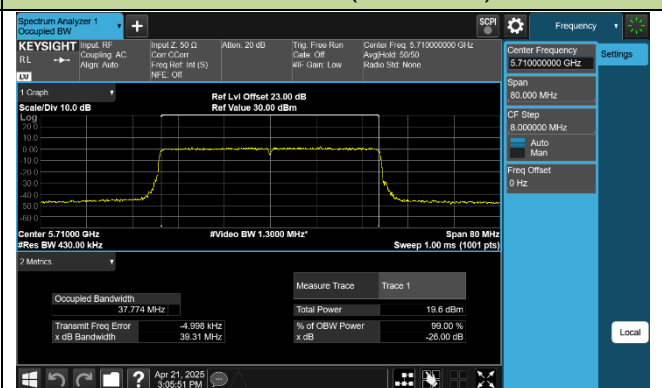
Channel 110 (5550MHz)

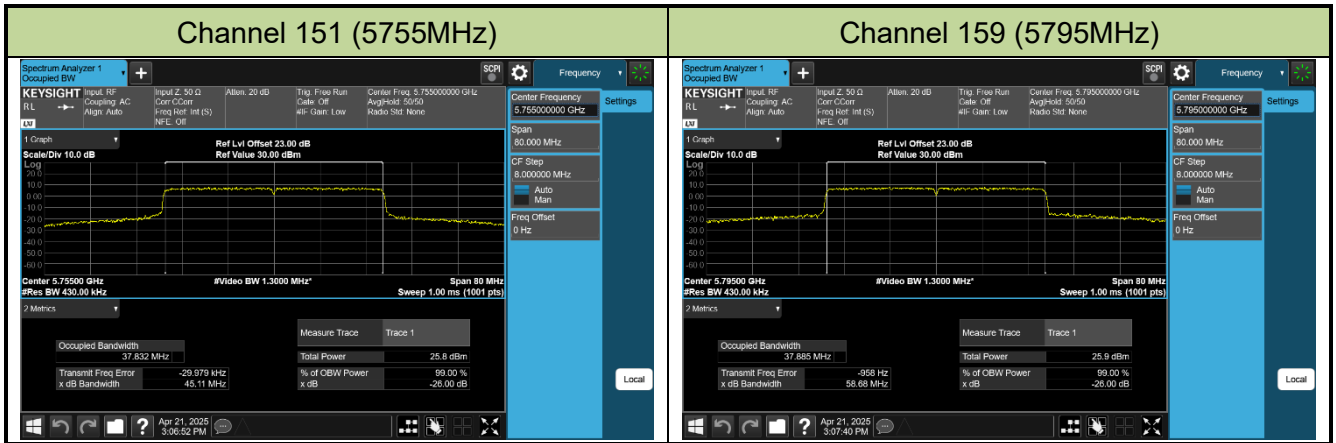


Channel 134 (5670MHz)



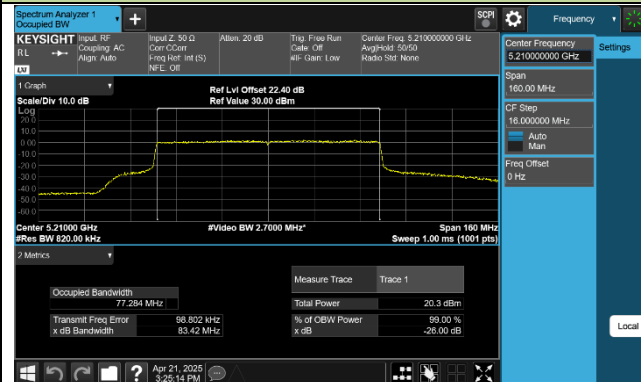
Channel 142 (5710MHz)



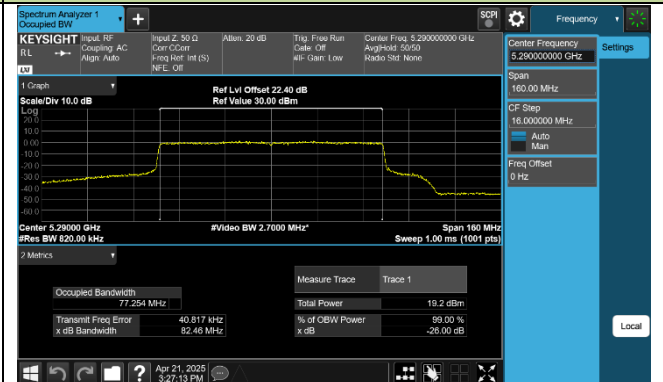


8802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

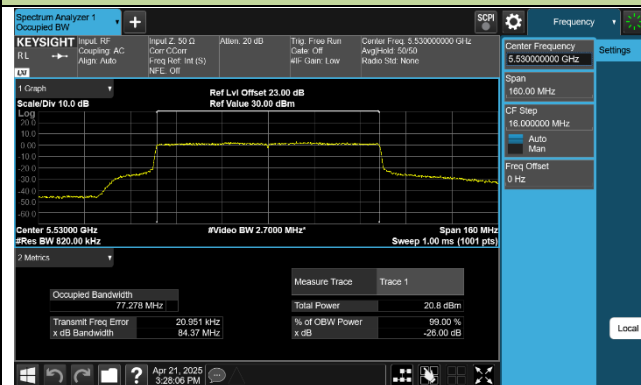
Channel 42 (5210MHz)



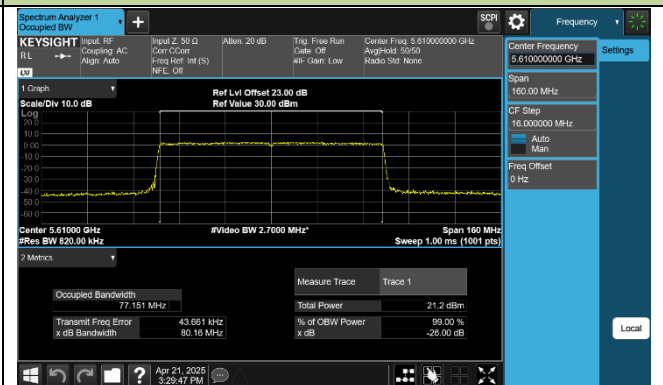
Channel 58 (5290MHz)



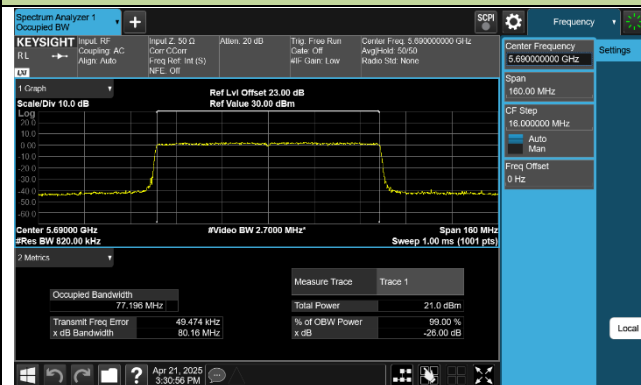
Channel 106 (5530MHz)



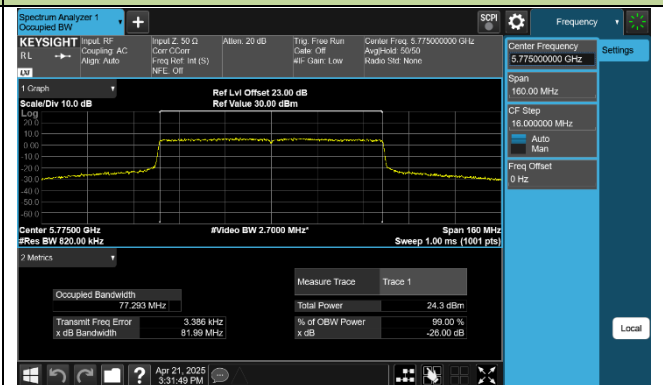
Channel 122 (5610MHz)



Channel 138 (5690MHz)

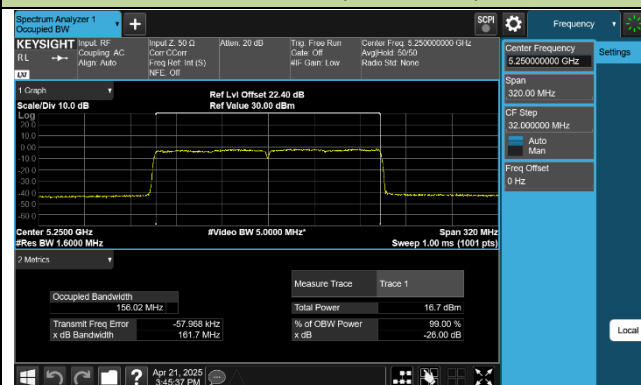


Channel 155 (5775MHz)

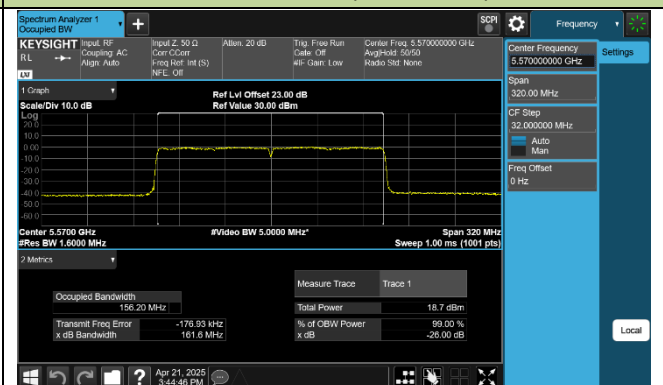


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

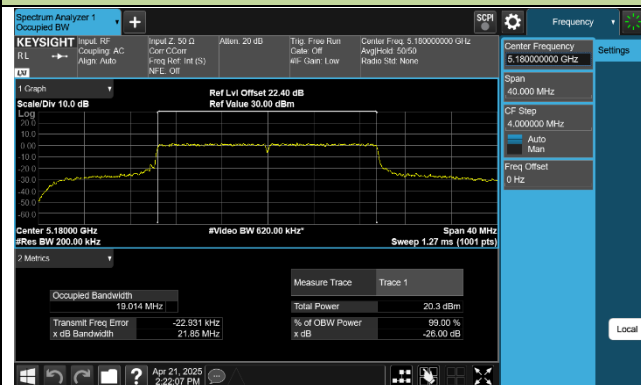


Channel 114 (5570MHz)

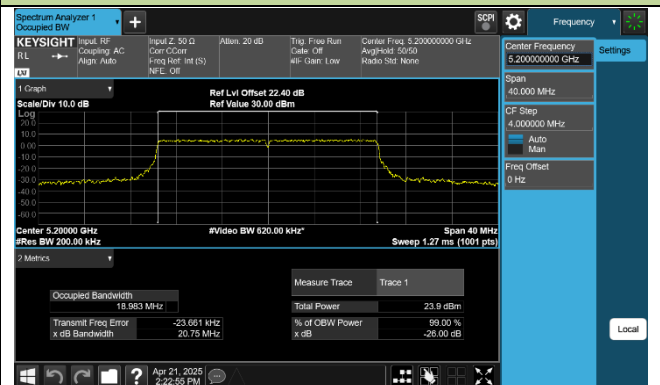


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

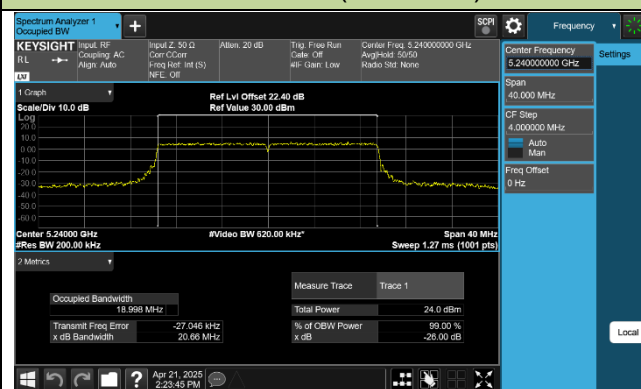
Channel 36 (5180MHz)



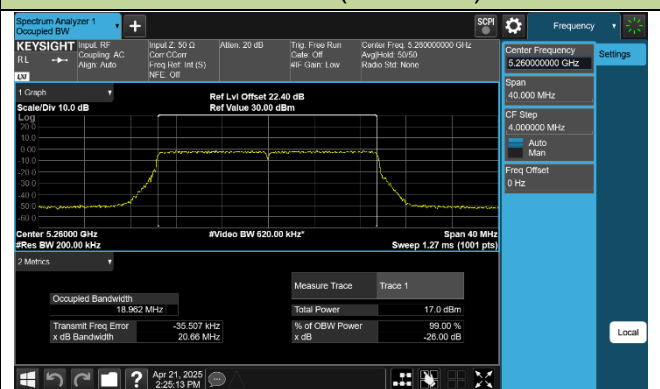
Channel 40 (5200MHz)



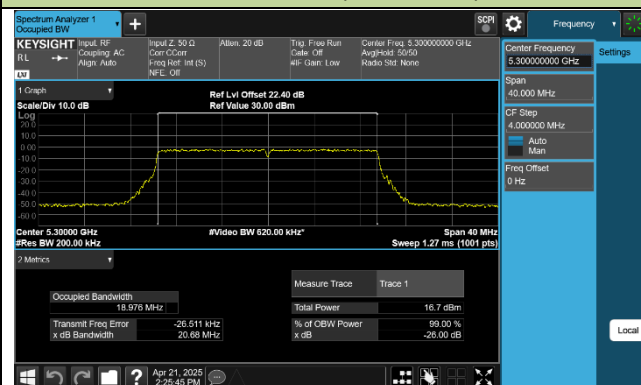
Channel 48 (5240MHz)



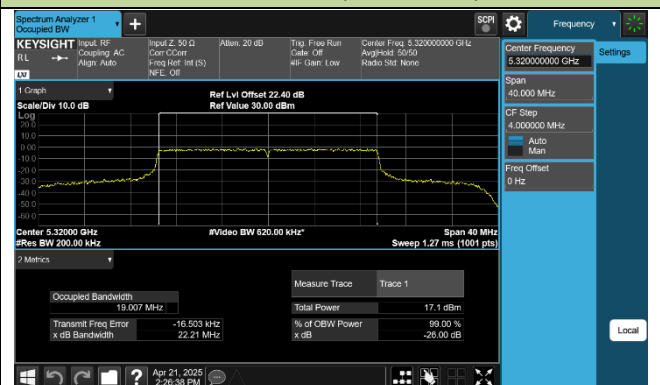
Channel 52 (5260MHz)



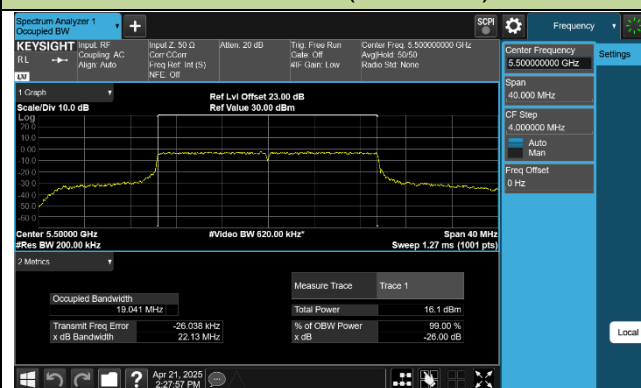
Channel 60 (5300MHz)



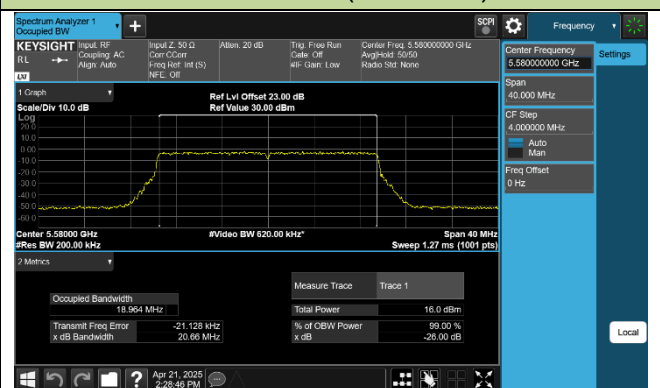
Channel 64 (5320MHz)

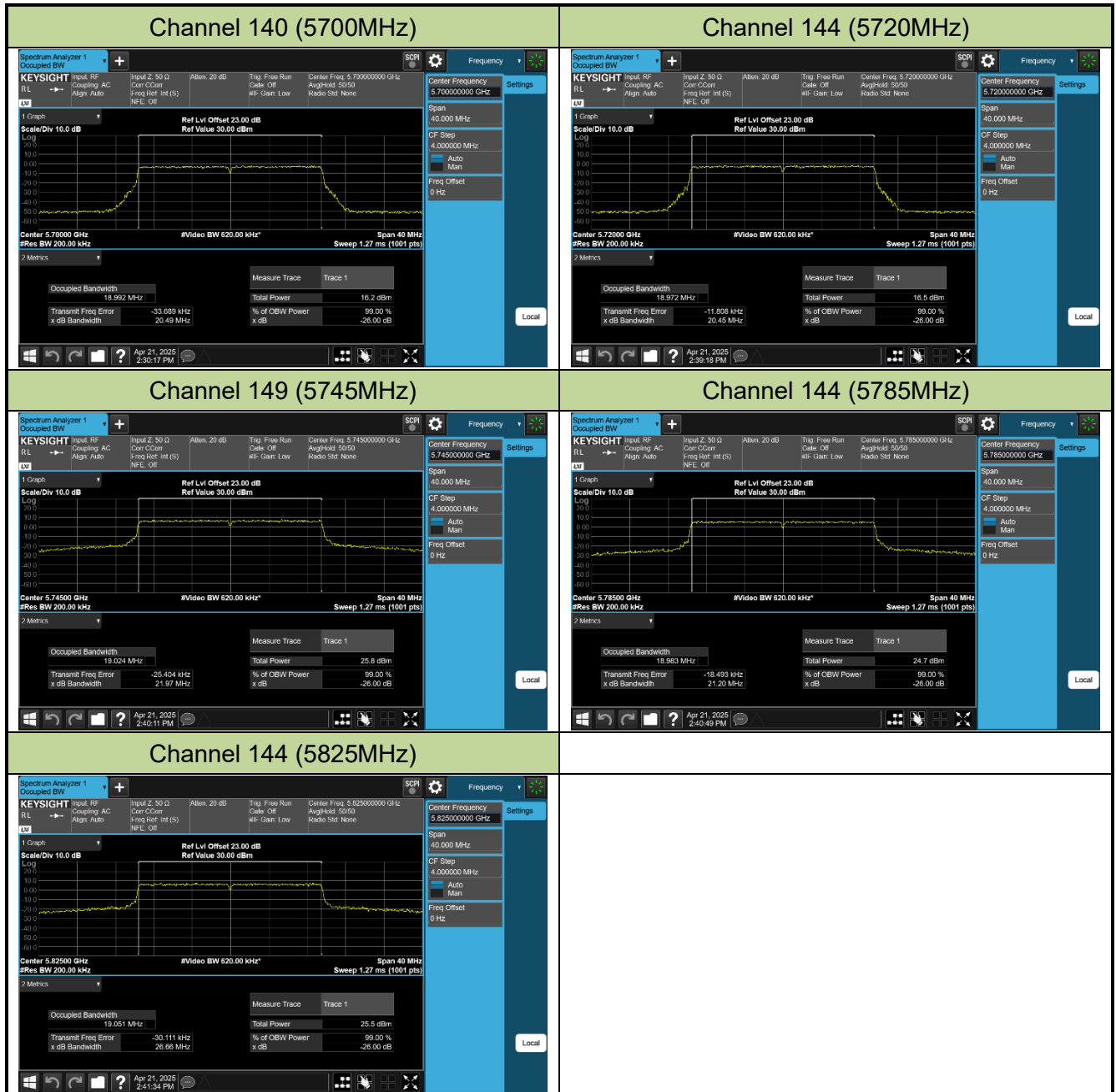


Channel 100 (5500MHz)



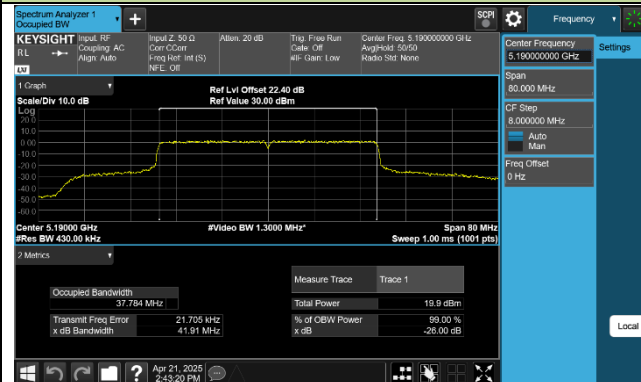
Channel 116 (5580MHz)



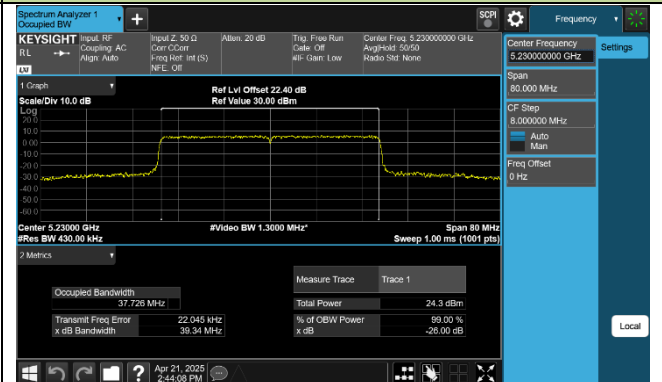


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

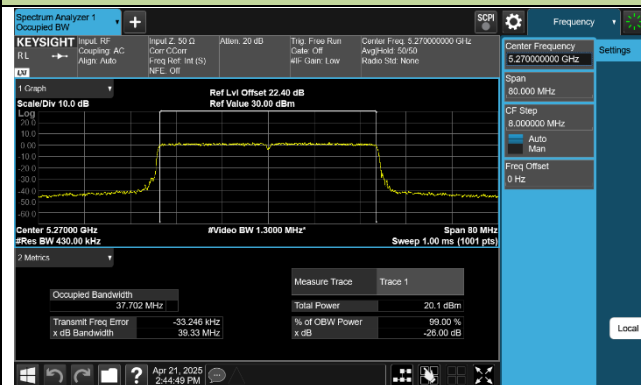
Channel 38 (5190MHz)



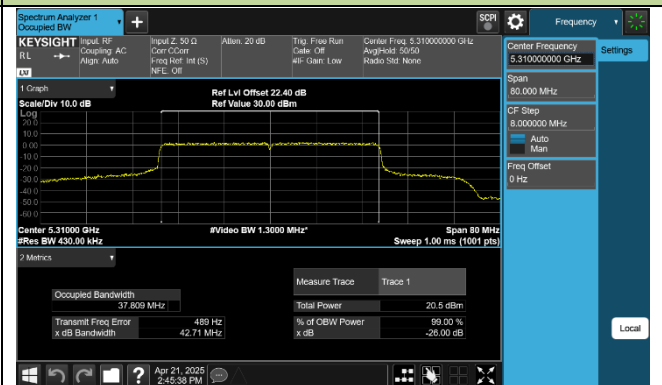
Channel 46 (5230MHz)



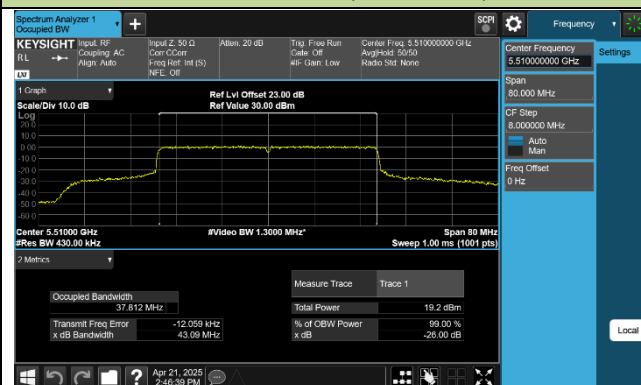
Channel 54 (5270MHz)



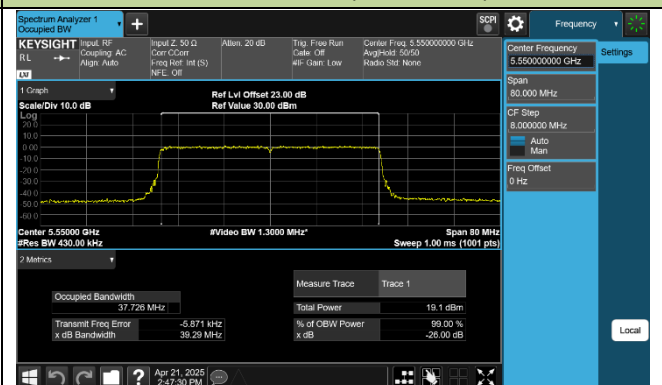
Channel 62 (5310MHz)



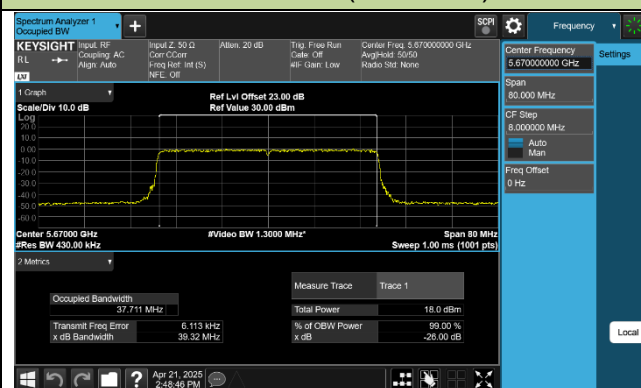
Channel 102 (5510MHz)



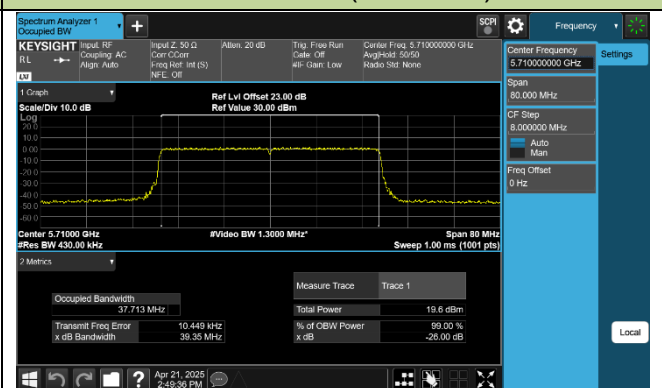
Channel 110 (5550MHz)

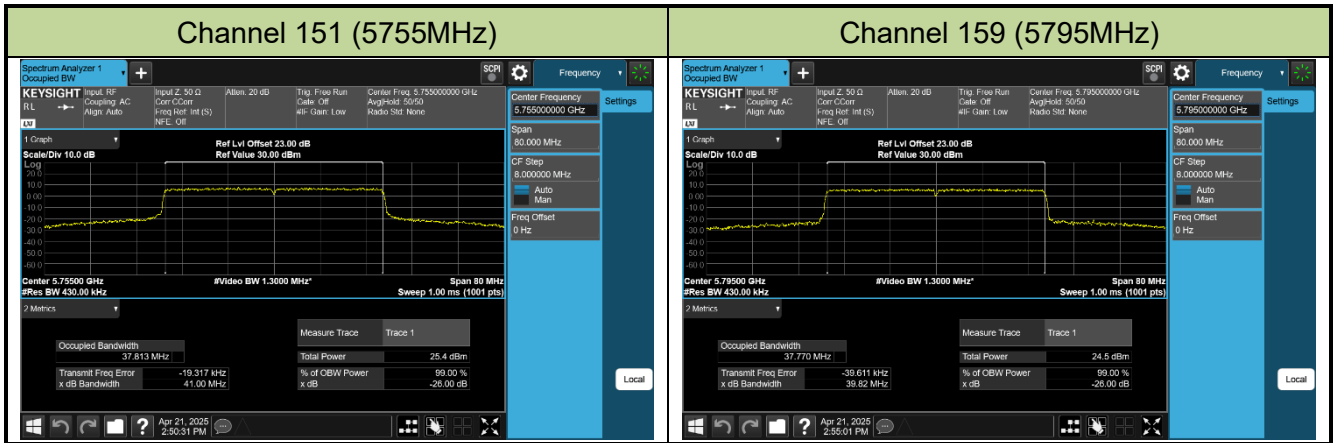


Channel 134 (5670MHz)



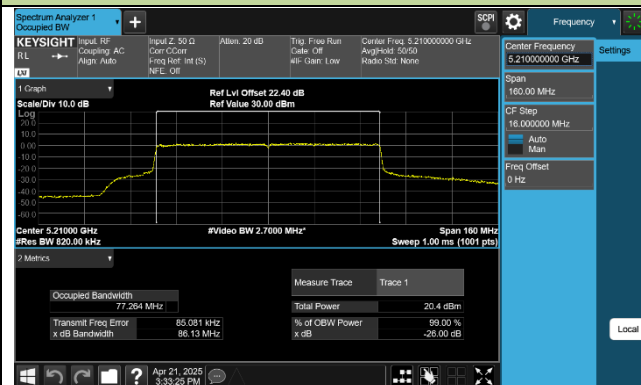
Channel 142 (5710MHz)



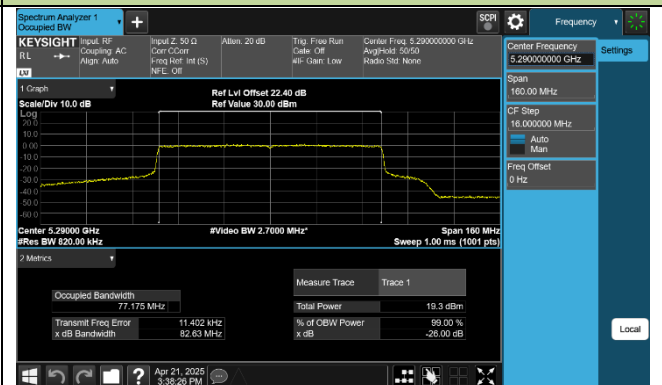


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

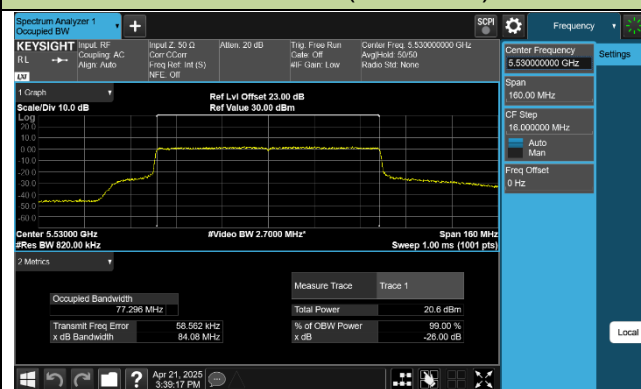
Channel 42 (5210MHz)



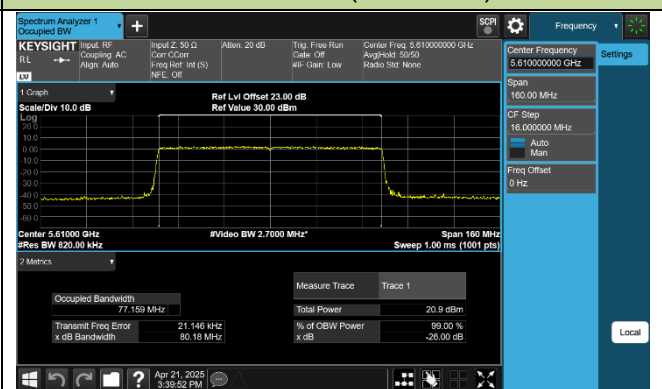
Channel 58 (5290MHz)



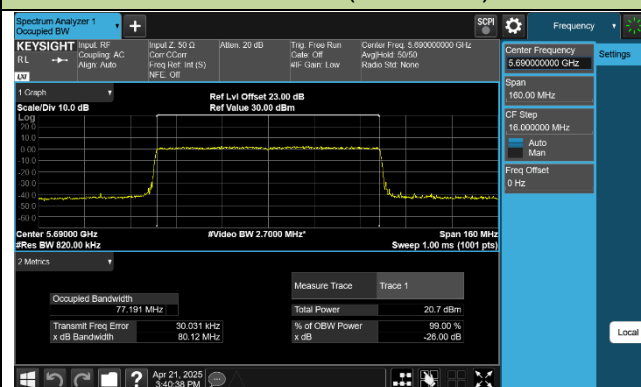
Channel 106 (5530MHz)



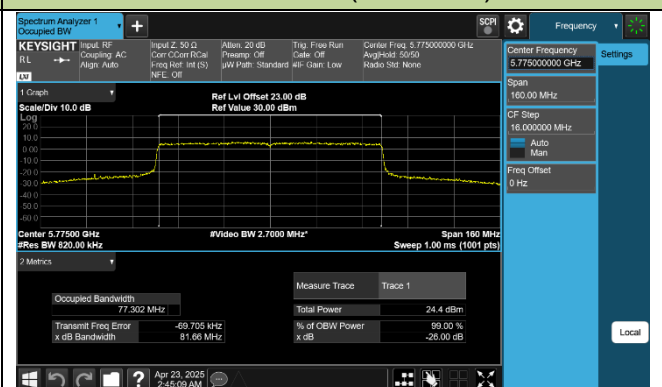
Channel 122 (5610MHz)



Channel 138 (5690MHz)

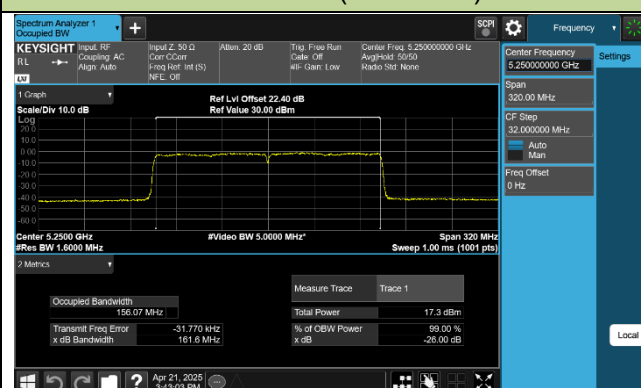


Channel 155 (5775MHz)



802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)



Channel 114 (5570MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

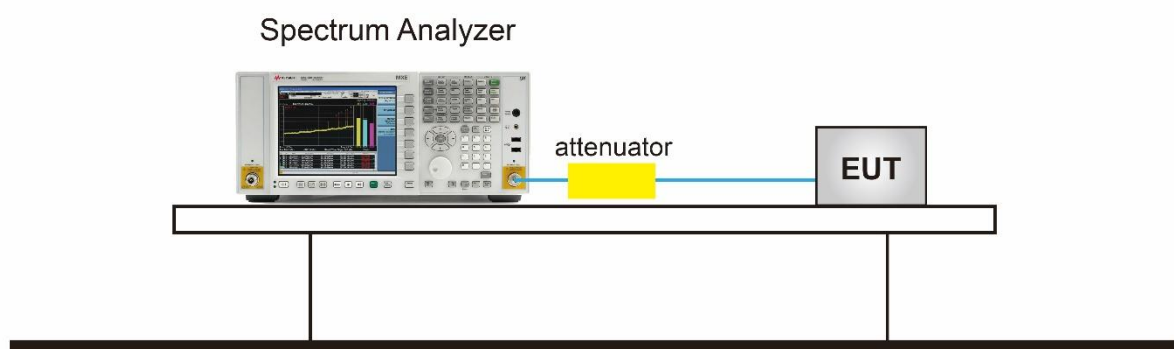
7.3.2. Test Procedure used

KDB 789033 D02v02r01- Section C.2

7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW $3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3.4. Test Setup



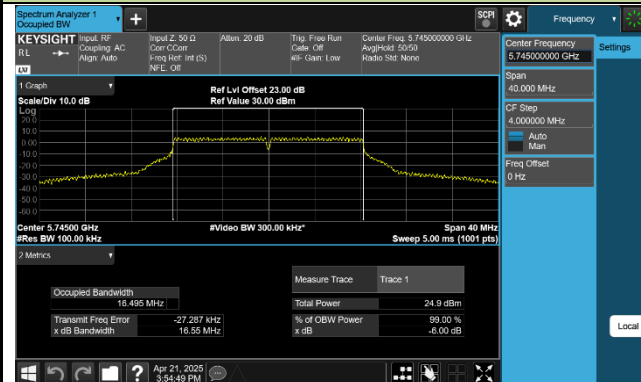
7.3.5.TestResult

Product	BE3600 Dual-Band Wi-Fi 7 Router	Test Engineer	Wen
Test Site	SR6	Test Date	2025/4/21

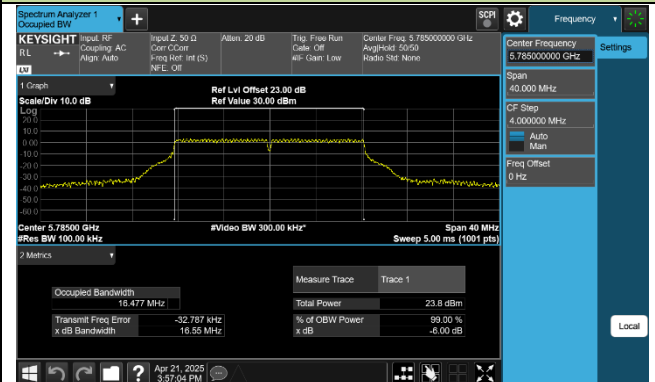
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0						
802.11a	6Mbps	149	5745	16.55	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.55	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.55	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.81	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.81	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.80	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.56	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.56	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.55	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	19.18	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	19.19	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	19.19	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	38.20	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.19	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	78.18	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	19.19	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	19.19	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	19.19	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	38.19	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	38.21	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	78.18	≥ 0.5	Pass

802.11a 6dB Bandwidth

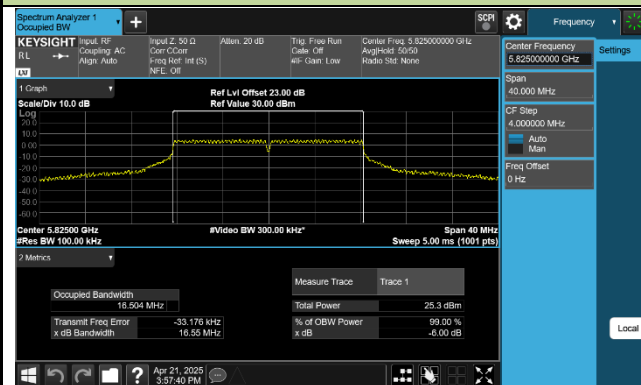
Channel 149 (5745MHz)



Channel 157 (5785MHz)

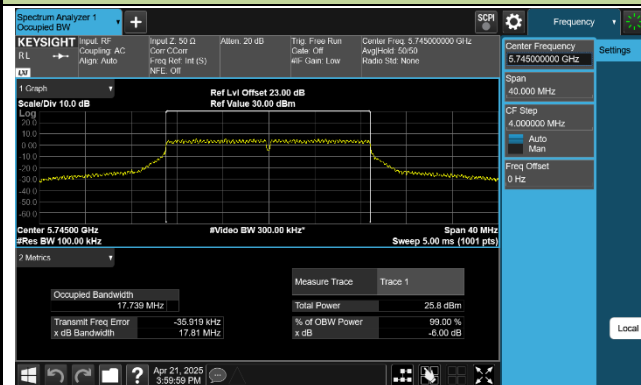


Channel 165 (5825MHz)

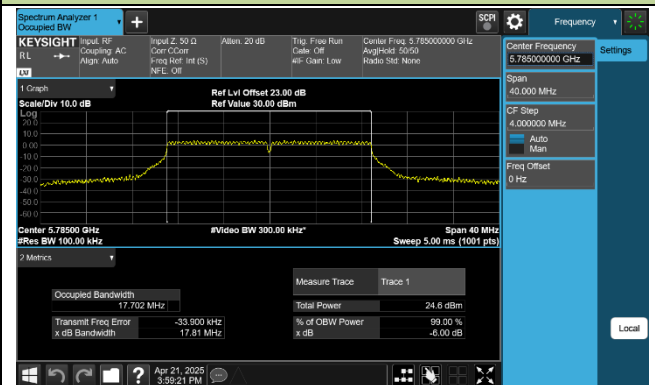


802.11ac-VHT20 6dB Bandwidth

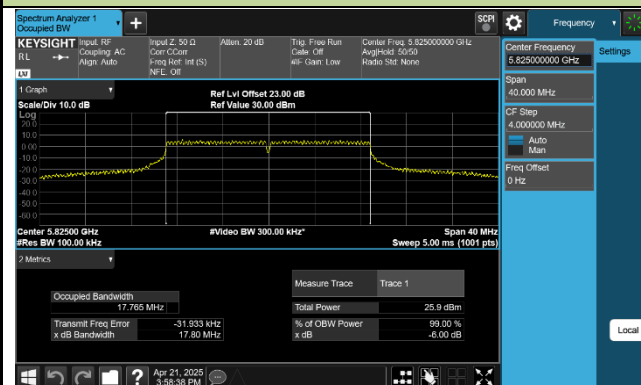
Channel 149 (5745MHz)



Channel 157 (5785MHz)

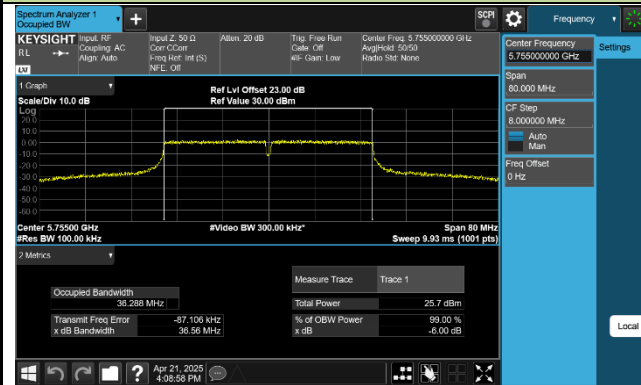


Channel 165 (5825MHz)

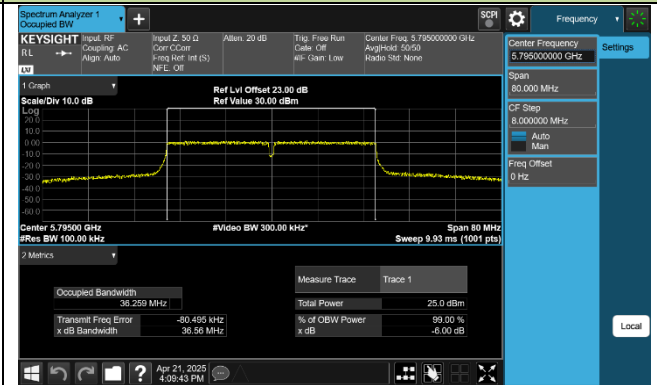


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

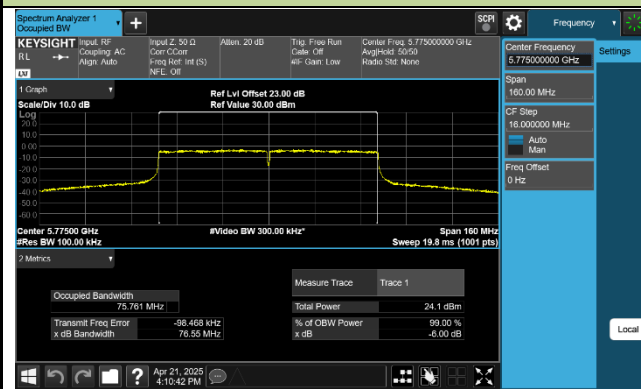


Channel 159 (5795MHz)



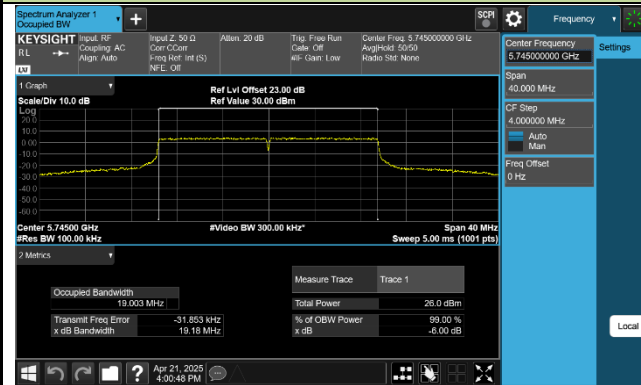
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

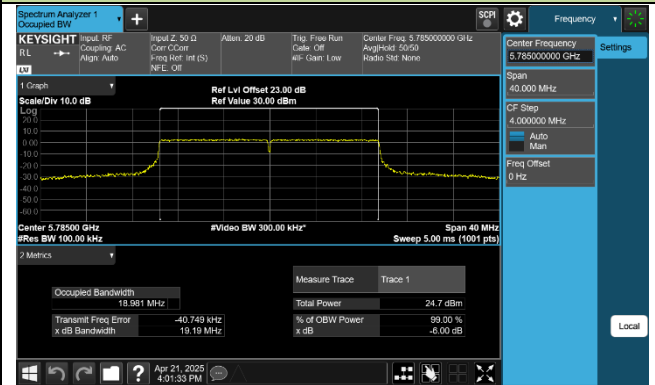


802.11ax-HE20 6dB Bandwidth

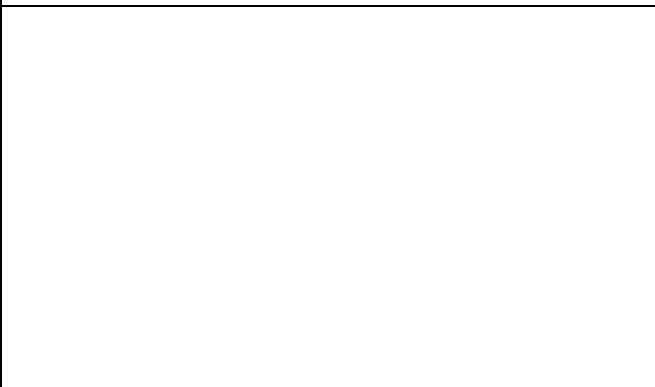
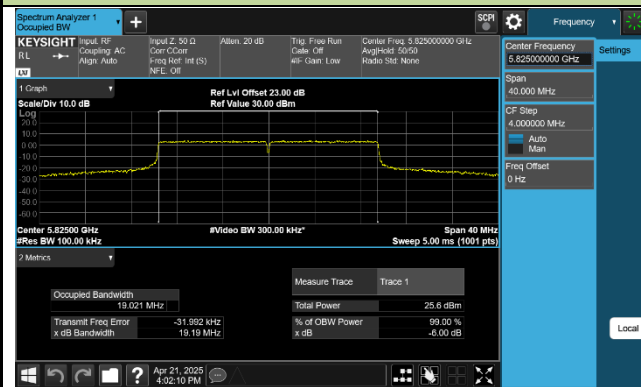
Channel 149 (5745MHz)



Channel 157 (5785MHz)

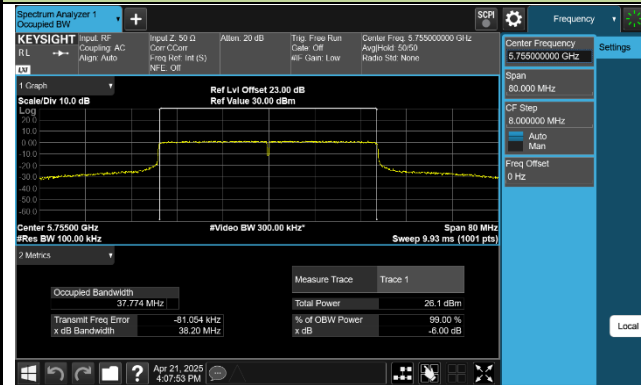


Channel 165 (5825MHz)

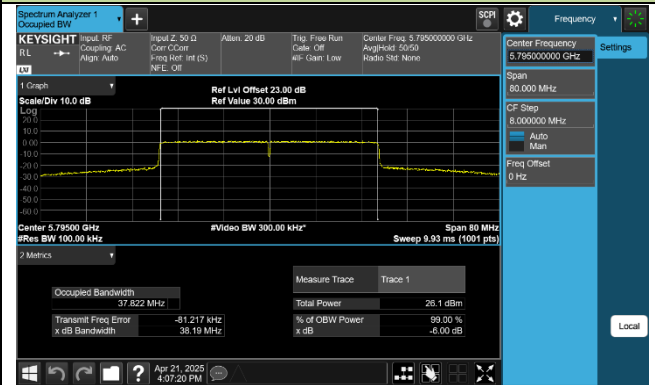


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

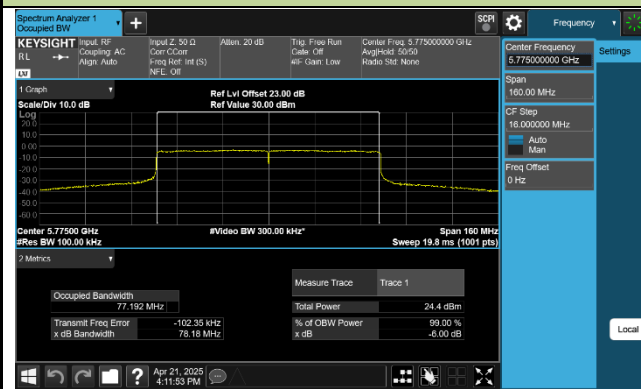


Channel 159 (5795MHz)



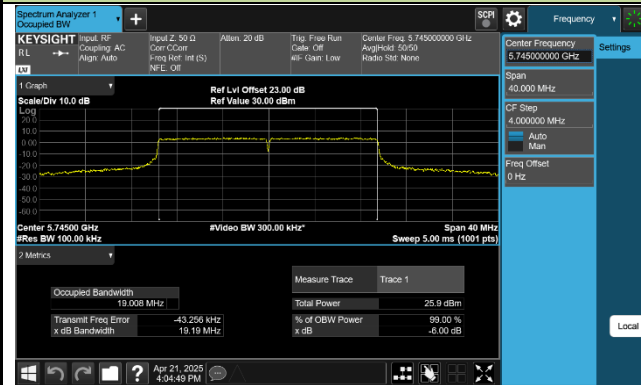
802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)

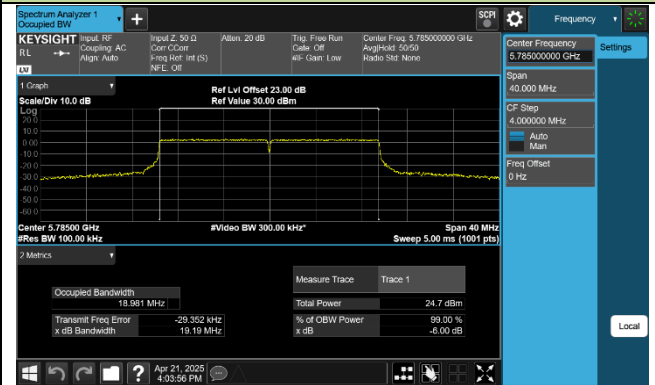


802.11be-EHT20 6dB Bandwidth

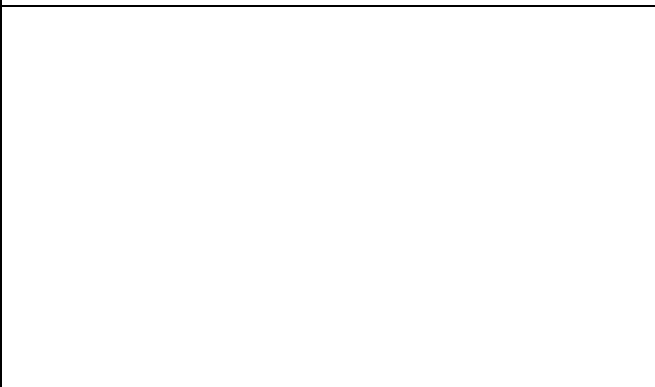
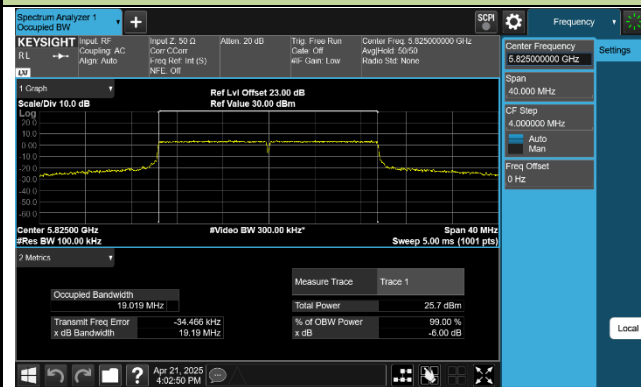
Channel 149 (5745MHz)



Channel 157 (5785MHz)

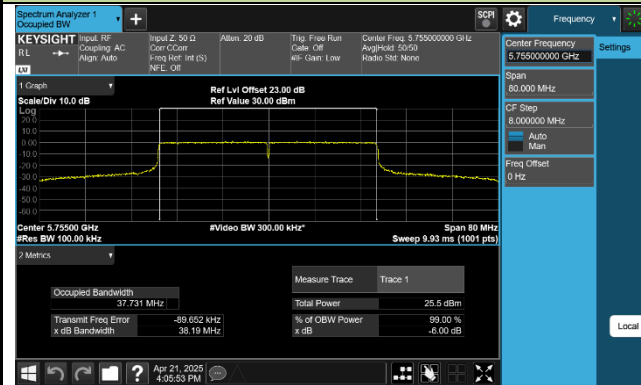


Channel 165 (5825MHz)

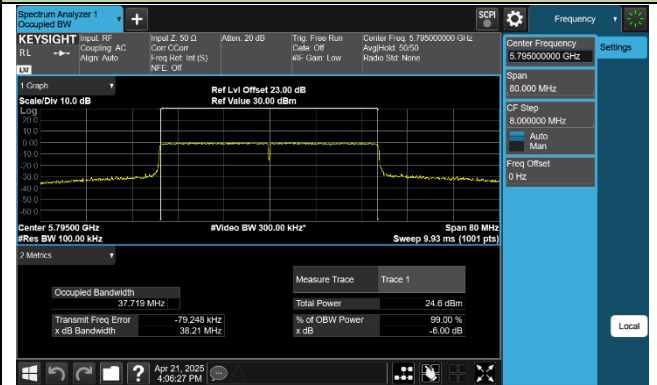


802.11be-EHT 40 6dB Bandwidth

Channel 151 (5755MHz)

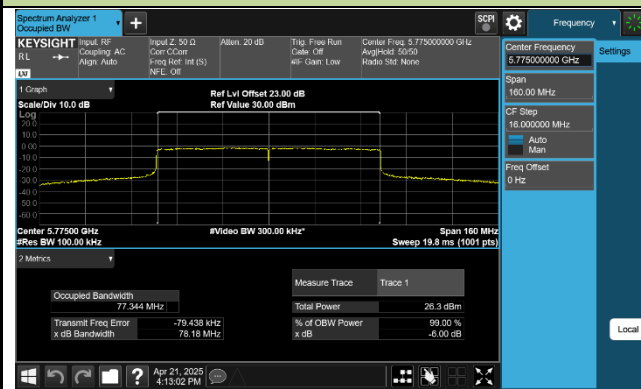


Channel 159 (5795MHz)



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.

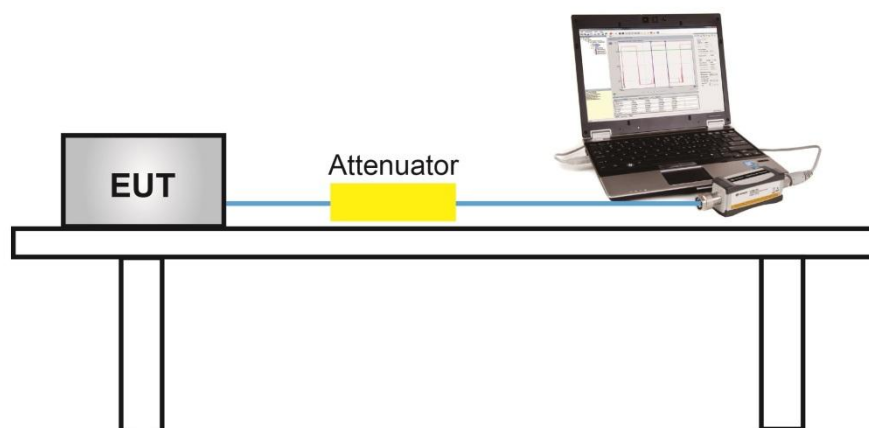
7.4.2. Test Procedure Used

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	2025/4/13~2025/4/21
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	20.68	20.96	23.83	≤ 30.00	Pass
11a	6Mbps	40	5200	23.36	23.78	26.59	≤ 30.00	Pass
11a	6Mbps	48	5240	23.87	24.13	27.01	≤ 30.00	Pass
11a	6Mbps	52	5260	16.84	17.25	20.06	≤ 23.98	Pass
11a	6Mbps	60	5300	16.37	17.00	19.71	≤ 23.98	Pass
11a	6Mbps	64	5320	16.75	17.32	20.05	≤ 23.98	Pass
11a	6Mbps	100	5500	15.96	16.58	19.29	≤ 23.98	Pass
11a	6Mbps	116	5580	16.21	16.69	19.47	≤ 23.98	Pass
11a	6Mbps	140	5700	16.43	16.25	19.35	≤ 23.98	Pass
11a	6Mbps	144	5720	16.22	16.29	19.27	≤ 22.86	Pass
11a	6Mbps	149	5745	24.61	24.90	27.77	≤ 29.38	Pass
11a	6Mbps	157	5785	23.69	23.84	26.78	≤ 29.38	Pass
11a	6Mbps	165	5825	25.03	25.40	28.23	≤ 29.38	Pass
11ac-VHT20	MCS0	36	5180	20.55	20.85	23.71	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5200	23.78	24.22	27.02	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.02	24.32	27.18	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	17.28	17.63	20.47	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	16.43	17.15	19.82	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	17.40	17.92	20.68	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	16.09	16.77	19.45	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	16.35	17.09	19.75	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	16.71	16.37	19.55	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	16.49	16.35	19.43	≤ 22.91	Pass
11ac-VHT20	MCS0	149	5745	25.85	26.30	29.09	≤ 29.38	Pass
11ac-VHT20	MCS0	157	5785	24.35	24.45	27.41	≤ 29.38	Pass
11ac-VHT20	MCS0	165	5825	26.10	26.29	29.21	≤ 29.38	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	19.89	20.08	23.00	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.02	24.29	27.17	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	19.69	19.77	22.74	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	19.79	19.95	22.88	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	19.73	20.11	22.93	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	18.75	18.92	21.85	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	17.44	17.34	20.40	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	19.72	19.46	22.60	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	25.32	25.70	28.52	≤ 29.38	Pass
11ac-VHT40	MCS0	159	5795	24.56	24.83	27.71	≤ 29.38	Pass
11ac-VHT80	MCS0	42	5210	19.54	19.96	22.77	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	19.22	19.39	22.32	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	20.59	20.94	23.78	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.89	20.85	23.88	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.85	20.51	23.69	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	23.77	23.96	26.88	≤ 23.98	Pass
11ac-VHT160	MCS0	50	5250	16.24	16.68	19.48	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	15.92	16.13	19.04	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	19.93	20.30	23.13	≤ 30.00	Pass
11ax-HE20	MCS0	40	5200	24.13	24.36	27.26	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	23.99	24.37	27.19	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	17.41	17.83	20.64	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	16.92	17.40	20.18	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	17.18	17.71	20.46	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	16.28	16.85	19.58	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	16.31	16.98	19.67	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	16.91	16.65	19.79	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	16.81	16.65	19.74	≤ 22.86	Pass
11ax-HE20	MCS0	149	5745	25.98	26.35	29.18	≤ 29.38	Pass
11ax-HE20	MCS0	157	5785	24.64	24.64	27.65	≤ 29.38	Pass
11ax-HE20	MCS0	165	5825	25.32	25.43	28.39	≤ 29.38	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	19.87	19.91	22.90	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.09	24.30	27.21	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.08	20.21	23.16	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	19.67	19.86	22.78	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	19.46	19.93	22.71	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	19.22	19.82	22.54	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	17.31	17.77	20.56	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	19.73	19.57	22.66	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	26.11	26.08	29.11	≤ 29.38	Pass
11ax-HE40	MCS0	159	5795	26.15	26.47	29.32	≤ 29.38	Pass
11ax-HE80	MCS0	42	5210	19.60	19.72	22.67	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	19.08	19.14	22.12	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	20.60	20.97	23.80	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.91	20.80	23.87	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.85	20.50	23.69	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	23.96	24.12	27.05	≤ 29.38	Pass
11ax-HE160	MCS0	50	5250	16.10	16.43	19.28	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	18.27	18.64	21.47	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	20.30	20.53	23.43	≤ 30.00	Pass
11be-EHT20	MCS0	40	5200	24.00	24.41	27.22	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	24.21	24.54	27.39	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	17.21	17.53	20.38	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	16.95	17.41	20.20	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	17.17	17.78	20.50	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	16.61	17.14	19.89	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	16.05	16.68	19.39	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	15.58	15.74	18.67	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	16.90	16.77	19.85	≤ 22.83	Pass
11be-EHT20	MCS0	149	5745	25.96	26.41	29.20	≤ 29.38	Pass
11be-EHT20	MCS0	157	5785	24.53	24.68	27.62	≤ 29.38	Pass
11be-EHT20	MCS0	165	5825	25.34	25.60	28.48	≤ 29.38	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	19.83	19.92	22.89	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	24.31	24.60	27.47	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.20	20.07	23.15	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	20.58	20.51	23.56	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	19.49	19.97	22.75	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	19.05	19.54	22.31	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	17.43	17.77	20.61	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	19.72	19.46	22.60	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	25.14	25.34	28.25	≤ 29.38	Pass
11be-EHT40	MCS0	159	5795	24.21	24.46	27.35	≤ 29.38	Pass
11be-EHT80	MCS0	42	5210	19.51	19.76	22.65	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	19.10	19.25	22.19	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	20.61	20.95	23.79	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.95	20.89	23.93	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.81	20.59	23.71	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	23.93	24.09	27.02	≤ 29.38	Pass
11be-EHT160	MCS0	50	5250	16.77	16.96	19.88	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	18.32	18.55	21.45	≤ 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.

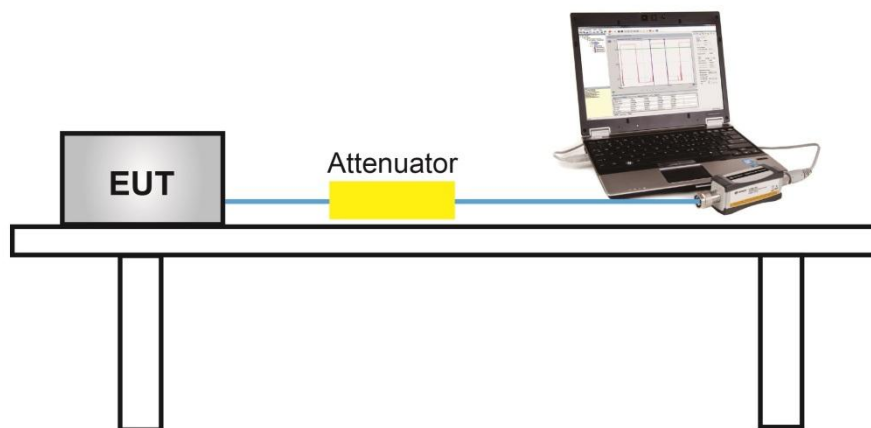
7.5.2. Test Procedure Used

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.

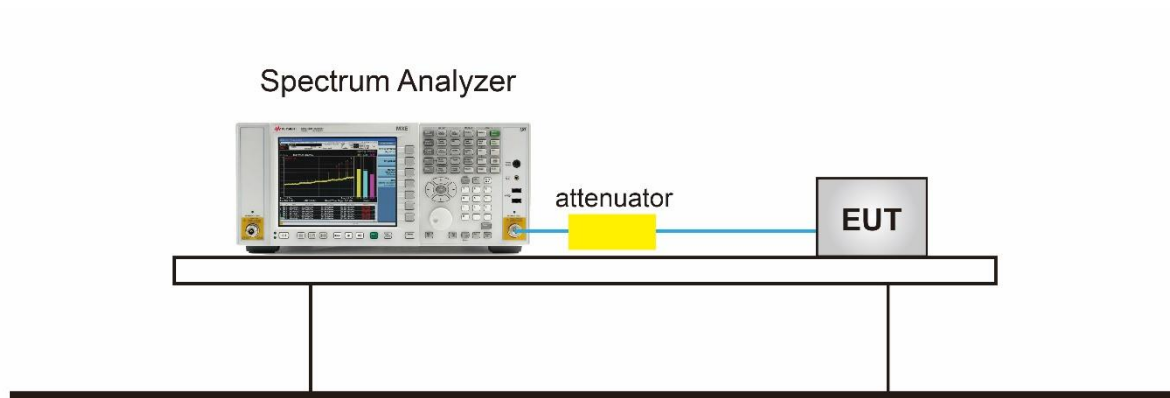
7.6.2. Test Procedure Used

KDB 789033 D02v02r01-SectionF

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	2025/4/13~2025/4/21
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	9.620	10.054	97.83%	12.948	≤ 15.64	Pass
11a	6Mbps	40	5200	11.991	12.149	97.83%	15.176	≤ 15.64	Pass
11a	6Mbps	48	5240	12.292	12.593	97.83%	15.551	≤ 15.64	Pass
11a	6Mbps	52	5260	5.293	5.719	97.83%	8.617	≤ 8.81	Pass
11a	6Mbps	60	5300	5.087	5.805	97.83%	8.566	≤ 8.81	Pass
11a	6Mbps	64	5320	5.163	5.518	97.83%	8.450	≤ 8.81	Pass
11a	6Mbps	100	5500	4.308	5.101	97.83%	7.828	≤ 8.23	Pass
11a	6Mbps	116	5580	4.825	5.378	97.83%	8.216	≤ 8.23	Pass
11a	6Mbps	140	5700	4.867	4.907	97.83%	7.993	≤ 8.23	Pass
11a	6Mbps	144	5720	5.124	4.750	97.83%	8.047	≤ 8.23	Pass
11ac-VHT20	MCS0	36	5180	9.384	9.456	98.64%	12.490	≤ 15.64	Pass
11ac-VHT20	MCS0	40	5200	12.083	12.264	98.64%	15.244	≤ 15.64	Pass
11ac-VHT20	MCS0	48	5240	12.223	12.271	98.64%	15.317	≤ 15.64	Pass
11ac-VHT20	MCS0	52	5260	5.409	5.847	98.64%	8.703	≤ 8.81	Pass
11ac-VHT20	MCS0	60	5300	5.176	5.517	98.64%	8.420	≤ 8.81	Pass
11ac-VHT20	MCS0	64	5320	5.614	5.767	98.64%	8.761	≤ 8.81	Pass
11ac-VHT20	MCS0	100	5500	4.577	5.200	98.64%	7.969	≤ 8.23	Pass
11ac-VHT20	MCS0	116	5580	4.891	5.344	98.64%	8.193	≤ 8.23	Pass
11ac-VHT20	MCS0	140	5700	4.950	4.732	98.64%	7.912	≤ 8.23	Pass
11ac-VHT20	MCS0	144	5720	5.054	4.716	98.64%	7.958	≤ 8.23	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	5.907	5.701	97.44%	8.928	≤ 15.64	Pass
11ac-VHT40	MCS0	46	5230	9.848	7.956	97.44%	12.127	≤ 15.64	Pass
11ac-VHT40	MCS0	54	5270	5.646	5.111	97.44%	8.510	≤ 8.81	Pass
11ac-VHT40	MCS0	62	5310	5.346	5.225	97.44%	8.409	≤ 8.81	Pass
11ac-VHT40	MCS0	102	5510	4.541	5.023	97.44%	7.912	≤ 8.81	Pass
11ac-VHT40	MCS0	110	5550	4.416	4.892	97.44%	7.783	≤ 8.23	Pass
11ac-VHT40	MCS0	134	5670	3.497	2.999	97.44%	6.378	≤ 8.23	Pass
11ac-VHT40	MCS0	142	5710	5.063	4.823	97.44%	8.068	≤ 8.23	Pass
11ac-VHT80	MCS0	42	5210	3.276	2.966	97.31%	6.252	≤ 15.64	Pass
11ac-VHT80	MCS0	58	5290	1.916	2.505	97.31%	5.349	≤ 8.81	Pass
11ac-VHT80	MCS0	106	5530	3.062	3.350	97.31%	6.337	≤ 8.23	Pass
11ac-VHT80	MCS0	122	5610	3.173	3.309	97.31%	6.370	≤ 8.23	Pass
11ac-VHT80	MCS0	138	5690	3.190	3.109	97.31%	6.278	≤ 8.23	Pass
11ac-VHT160	MCS0	50	5250	-3.539	-3.389	97.85%	-0.359	≤ 8.81	Pass
11ac-VHT160	MCS0	114	5570	-4.435	-4.171	97.85%	-1.196	≤ 8.23	Pass
11ax-HE20	MCS0	36	5180	8.689	8.871	97.95%	11.881	≤ 15.64	Pass
11ax-HE20	MCS0	40	5200	12.156	12.329	97.95%	15.344	≤ 15.64	Pass
11ax-HE20	MCS0	48	5240	12.061	12.488	97.95%	15.380	≤ 15.64	Pass
11ax-HE20	MCS0	52	5260	5.377	5.668	97.95%	8.625	≤ 8.81	Pass
11ax-HE20	MCS0	60	5300	5.106	5.596	97.95%	8.458	≤ 8.81	Pass
11ax-HE20	MCS0	64	5320	5.334	5.597	97.95%	8.568	≤ 8.81	Pass
11ax-HE20	MCS0	100	5500	4.503	4.957	97.95%	7.836	≤ 8.23	Pass
11ax-HE20	MCS0	116	5580	4.930	5.198	97.95%	8.166	≤ 8.23	Pass
11ax-HE20	MCS0	140	5700	4.972	4.701	97.95%	7.939	≤ 8.23	Pass
11ax-HE20	MCS0	144	5720	5.129	4.984	97.95%	8.157	≤ 8.23	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	5.746	5.537	97.27%	8.773	≤ 15.64	Pass
11ax-HE40	MCS0	46	5230	9.836	8.583	97.27%	12.385	≤ 15.64	Pass
11ax-HE40	MCS0	54	5270	5.769	5.204	97.27%	8.626	≤ 8.81	Pass
11ax-HE40	MCS0	62	5310	5.289	5.339	97.27%	8.445	≤ 8.81	Pass
11ax-HE40	MCS0	102	5510	4.817	5.219	97.27%	8.153	≤ 8.81	Pass
11ax-HE40	MCS0	110	5550	4.741	4.989	97.27%	7.997	≤ 8.23	Pass
11ax-HE40	MCS0	134	5670	3.623	3.245	97.27%	6.569	≤ 8.23	Pass
11ax-HE40	MCS0	142	5710	4.776	4.742	97.27%	7.890	≤ 8.23	Pass
11ax-HE80	MCS0	42	5210	3.139	2.706	97.88%	6.031	≤ 15.64	Pass
11ax-HE80	MCS0	58	5290	1.835	2.043	97.88%	5.044	≤ 8.81	Pass
11ax-HE80	MCS0	106	5530	3.142	3.563	97.88%	6.461	≤ 8.23	Pass
11ax-HE80	MCS0	122	5610	3.622	3.678	97.88%	6.753	≤ 8.23	Pass
11ax-HE80	MCS0	122	5690	3.485	3.183	97.88%	6.440	≤ 8.23	Pass
11ax-HE160	MCS0	50	5250	-3.690	-3.251	98.20%	-0.376	≤ 8.81	Pass
11ax-HE160	MCS0	114	5570	-1.797	-1.342	98.20%	1.526	≤ 8.23	Pass
11be-EHT20	MCS0	36	5180	8.425	8.910	98.19%	11.764	≤ 15.64	Pass
11be-EHT20	MCS0	40	5200	12.407	12.372	98.19%	15.479	≤ 15.64	Pass
11be-EHT20	MCS0	48	5240	12.286	12.527	98.19%	15.498	≤ 15.64	Pass
11be-EHT20	MCS0	52	5260	5.120	5.550	98.19%	8.430	≤ 8.81	Pass
11be-EHT20	MCS0	60	5300	5.412	5.651	98.19%	8.623	≤ 8.81	Pass
11be-EHT20	MCS0	64	5320	5.238	5.713	98.19%	8.572	≤ 8.81	Pass
11be-EHT20	MCS0	100	5500	4.751	5.145	98.19%	8.042	≤ 8.23	Pass
11be-EHT20	MCS0	116	5580	4.460	5.134	98.19%	7.900	≤ 8.23	Pass
11be-EHT20	MCS0	140	5700	4.283	4.569	98.19%	7.518	≤ 8.23	Pass
11be-EHT20	MCS0	144	5720	5.064	4.836	98.19%	8.041	≤ 8.23	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	5.474	5.472	97.23%	8.605	≤ 15.64	Pass
11be-EHT40	MCS0	46	5230	9.833	9.859	97.23%	12.978	≤ 15.64	Pass
11be-EHT40	MCS0	54	5270	5.612	5.181	97.23%	8.534	≤ 8.81	Pass
11be-EHT40	MCS0	62	5310	5.401	5.433	97.23%	8.549	≤ 8.81	Pass
11be-EHT40	MCS0	102	5510	4.575	4.918	97.23%	7.882	≤ 8.81	Pass
11be-EHT40	MCS0	110	5550	4.548	5.160	97.23%	7.997	≤ 8.23	Pass
11be-EHT40	MCS0	134	5670	3.485	3.293	97.23%	6.522	≤ 8.23	Pass
11be-EHT40	MCS0	142	5710	5.200	4.819	97.23%	8.146	≤ 8.23	Pass
11be-EHT80	MCS0	42	5210	8.018	8.137	97.23%	11.210	≤ 15.64	Pass
11be-EHT80	MCS0	58	5290	7.220	7.523	97.23%	10.506	≤ 8.81	Pass
11be-EHT80	MCS0	106	5530	3.183	2.570	97.64%	6.001	≤ 8.23	Pass
11be-EHT80	MCS0	122	5610	1.972	2.075	97.64%	5.138	≤ 8.23	Pass
11be-EHT80	MCS0	138	5690	2.813	3.384	97.64%	6.222	≤ 8.23	Pass
11be-EHT160	MCS0	50	5250	3.456	3.399	97.64%	6.542	≤ 8.81	Pass
11be-EHT160	MCS0	114	5570	3.486	3.142	97.64%	6.431	≤ 8.23	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 - (7.36 - 6) = 15.64dBm/MHz.

For 5250 - 5350MHz and 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (8.19 - 6) = 8.81dBm/MHz.

For 5250 - 5350MHz and 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (8.77 - 6) = 8.23dBm/MHz.

Product	BE3600 Dual-Band Wi-Fi 7 Router	Test Engineer	Wen
Test Site	SR6	Test Date	2025/4/13~2025/4/21
Test Item	Power Spectral Density (U-NII-3) CDD Mode		

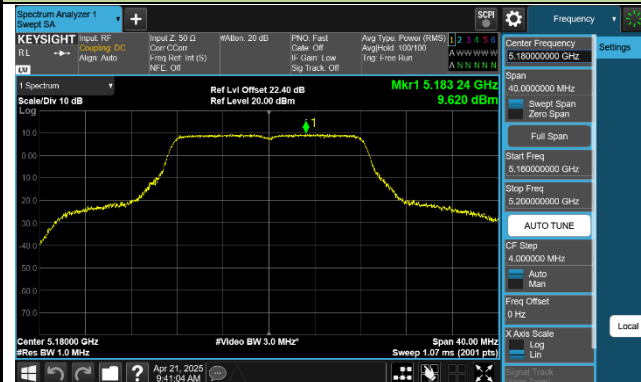
Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/ 510KHz)	Ant 1 PSD (dBm/ 510KHz)	Duty Cycle (%)	Total PSD (dBm/ 510kHz)	Limit (dBm/ 500kHz)	Result
11a	6Mbps	149	5745	10.582	10.813	97.83%	13.805	≤ 26.52	Pass
11a	6Mbps	157	5785	9.631	9.912	97.83%	12.879	≤ 26.52	Pass
11a	6Mbps	165	5825	11.008	11.324	97.83%	14.274	≤ 26.52	Pass
11ac-VHT20	MCS0	149	5745	11.371	11.611	98.64%	14.562	≤ 26.52	Pass
11ac-VHT20	MCS0	157	5785	9.870	10.069	98.64%	13.040	≤ 26.52	Pass
11ac-VHT20	MCS0	165	5825	11.195	11.504	98.64%	14.422	≤ 26.52	Pass
11ac-VHT40	MCS0	151	5755	8.439	8.846	97.44%	11.770	≤ 26.52	Pass
11ac-VHT40	MCS0	159	5795	7.467	7.710	97.44%	10.713	≤ 26.52	Pass
11ac-VHT80	MCS0	155	5775	4.106	4.227	97.31%	7.296	≤ 26.52	Pass
11ax-HE20	MCS0	149	5745	11.318	11.483	97.95%	14.502	≤ 26.52	Pass
11ax-HE20	MCS0	157	5785	10.007	10.149	97.95%	13.179	≤ 26.52	Pass
11ax-HE20	MCS0	165	5825	11.143	11.298	97.95%	14.321	≤ 26.52	Pass
11ax-HE40	MCS0	151	5755	8.590	8.832	97.27%	11.843	≤ 26.52	Pass
11ax-HE40	MCS0	159	5795	8.875	8.861	97.27%	11.999	≤ 26.52	Pass
11ax-HE80	MCS0	155	5775	4.005	4.728	97.88%	7.485	≤ 26.52	Pass
11be-EHT20	MCS0	149	5745	11.367	11.563	98.19%	14.556	≤ 26.52	Pass
11be-EHT20	MCS0	157	5785	10.159	10.425	98.19%	13.384	≤ 26.52	Pass
11be-EHT20	MCS0	165	5825	10.882	11.455	98.19%	14.268	≤ 26.52	Pass
11be-EHT40	MCS0	151	5755	8.018	8.137	97.23%	11.210	≤ 26.52	Pass
11be-EHT40	MCS0	159	5795	7.220	7.523	97.23%	10.506	≤ 26.52	Pass
11be-EHT80	MCS0	155	5775	4.185	4.716	97.64%	7.573	≤ 26.52	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) + $10 \cdot \log (1/\text{Duty Cycle})$.

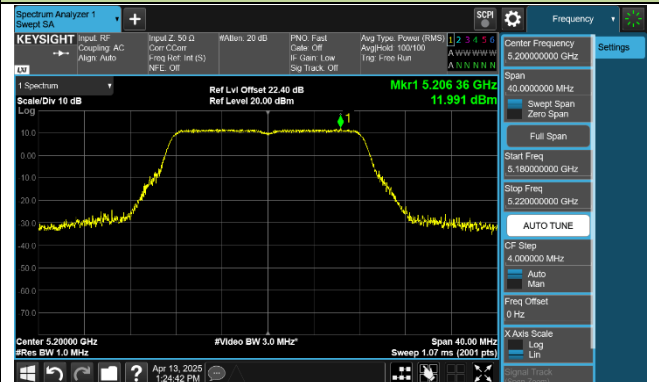
Note 2: PSD Limit (dBm/500kHz) = 30 - (9.48 - 6) = 26.52 (dBm/500kHz).

802.11a Power Spectral Density - Ant 0

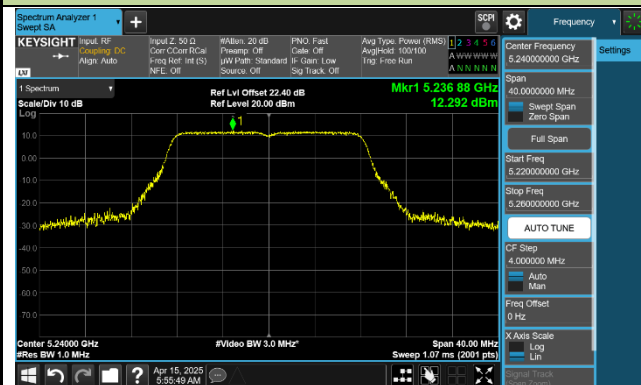
Channel 36 (5180MHz)



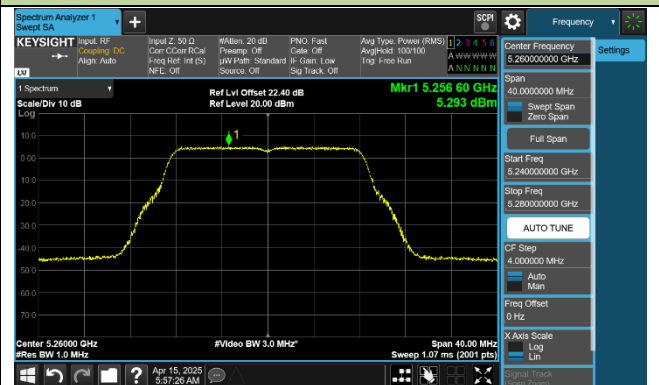
Channel 40 (5200MHz)



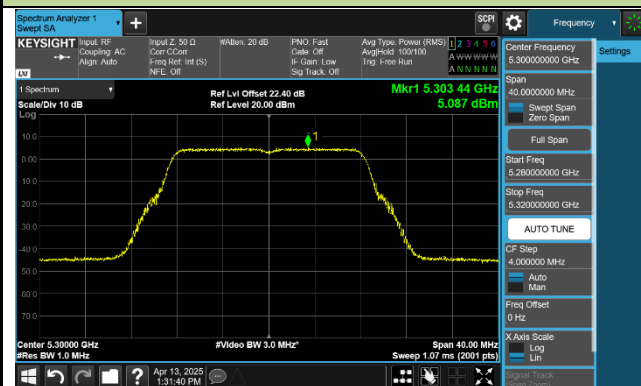
Channel 48 (5240MHz)



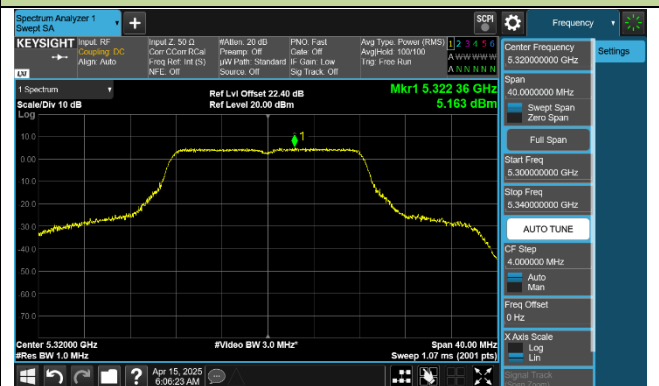
Channel 52 (5260MHz)



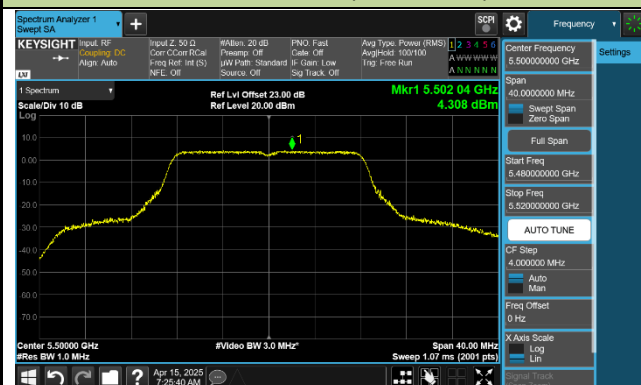
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

