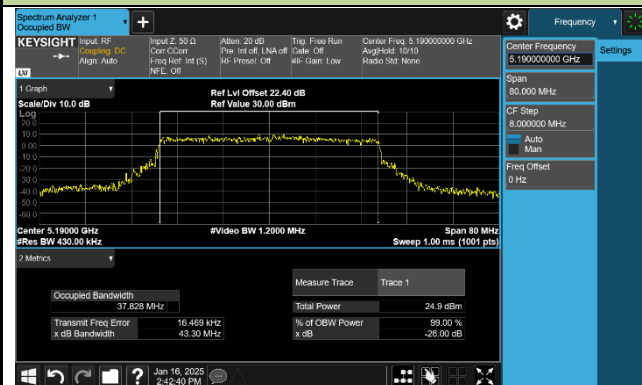
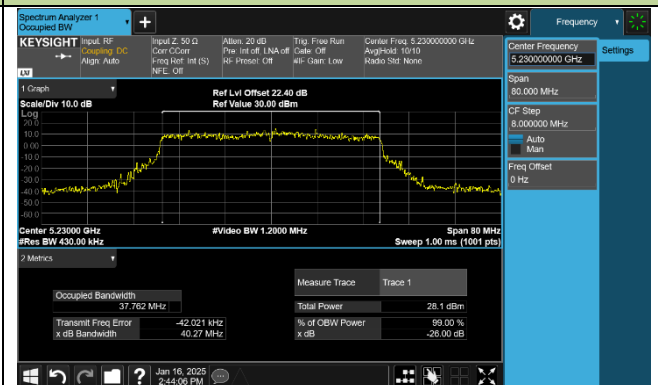


802.11ax-HE40 26dB Bandwidth & 99% Bandwidth

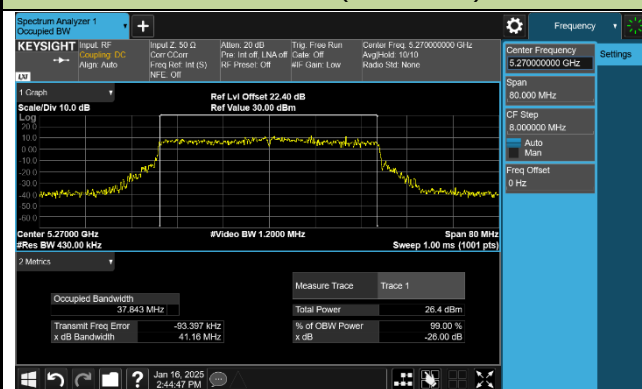
Channel 38 (5190MHz)



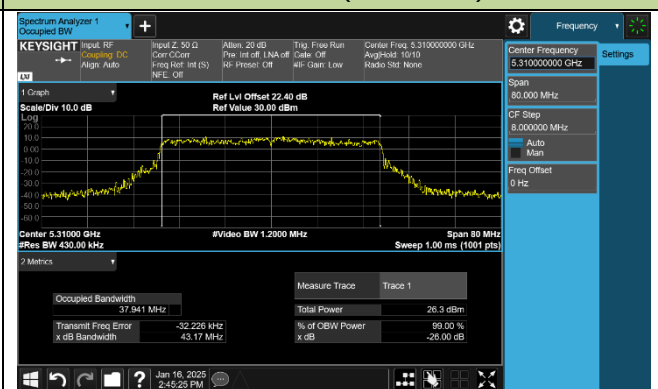
Channel 46 (5230MHz)



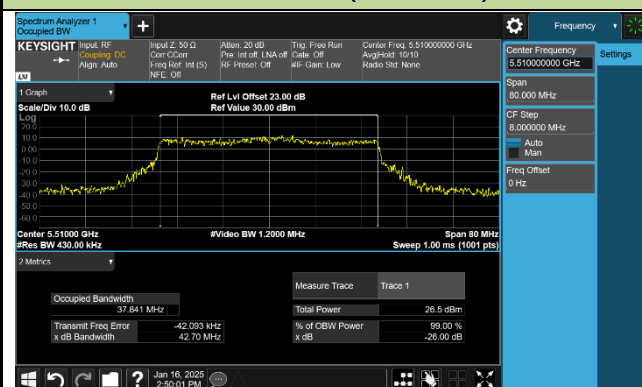
Channel 54 (5270MHz)



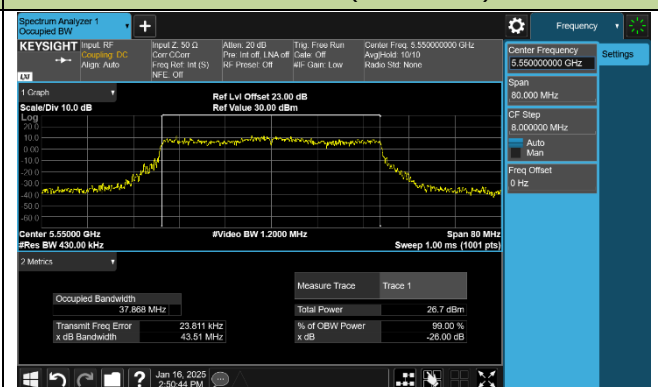
Channel 62 (5310MHz)



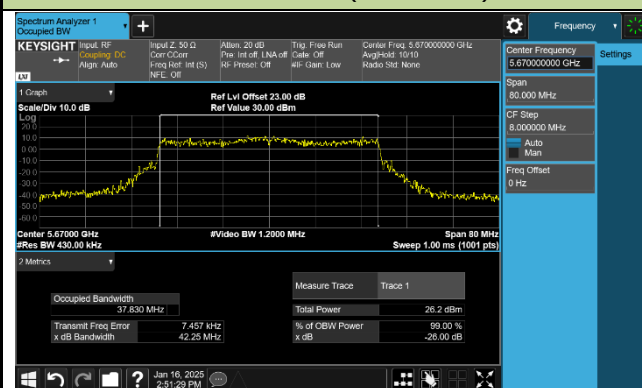
Channel 102 (5510MHz)



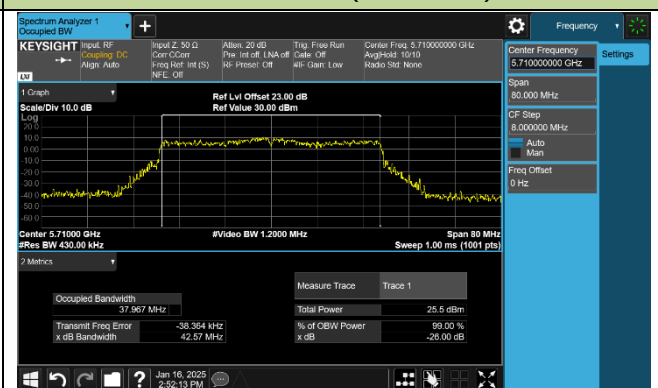
Channel 110 (5550MHz)



Channel 134 (5670MHz)



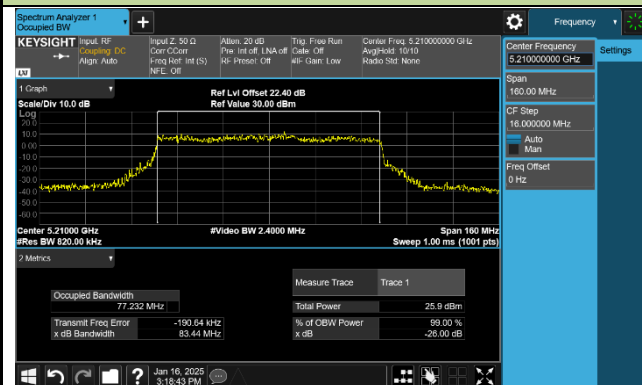
Channel 142 (5710MHz)



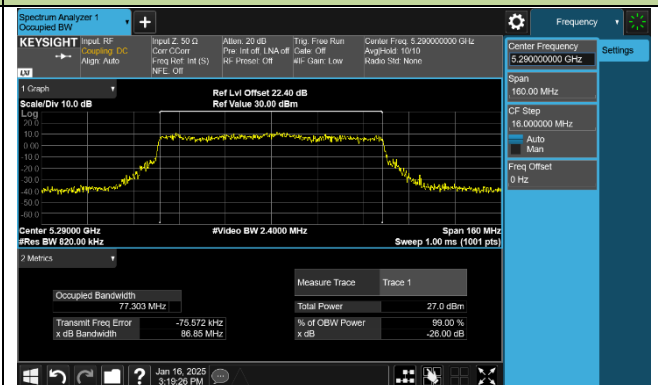


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

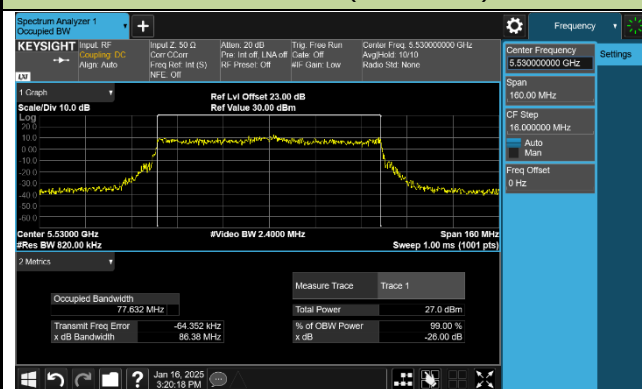
Channel 42 (5210MHz)



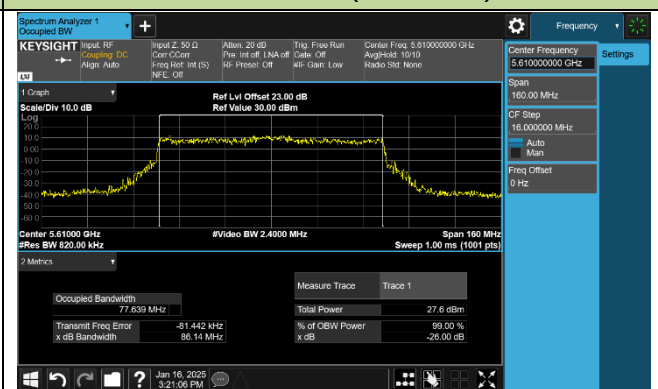
Channel 58 (5290MHz)



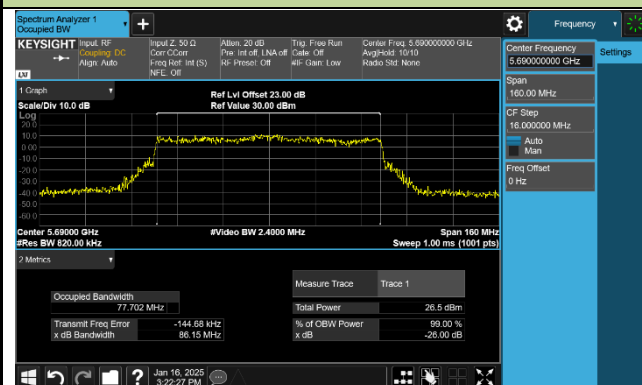
Channel 106 (5530MHz)



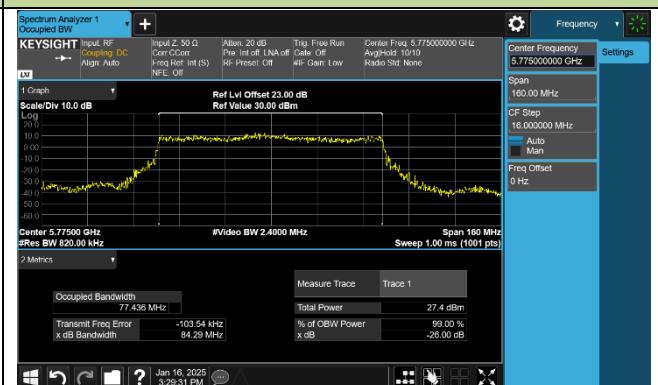
Channel 122 (5610MHz)



Channel 138 (5690MHz)

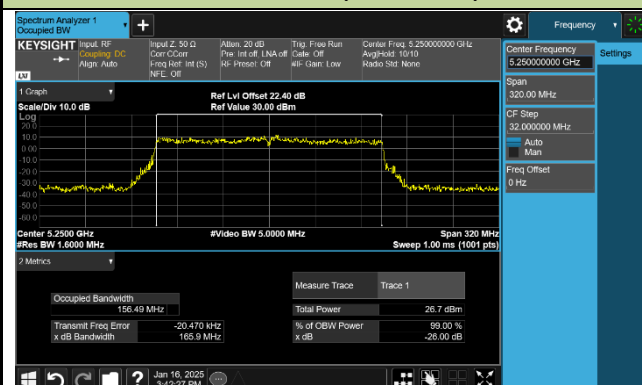


Channel 155 (5775MHz)

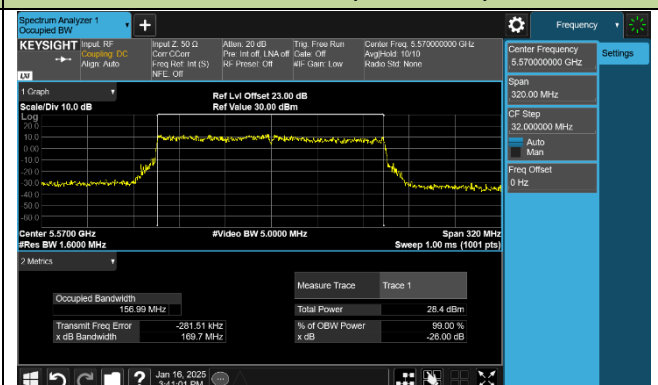


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

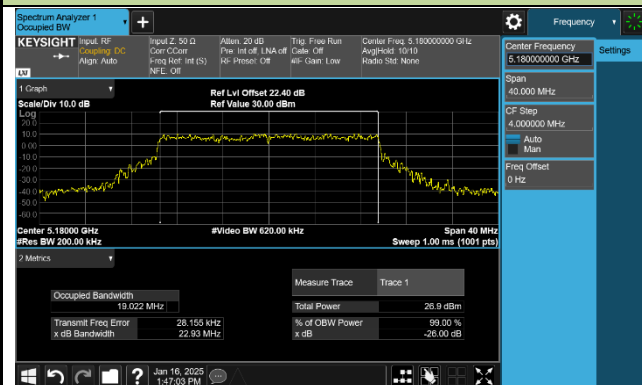


Channel 114 (5570MHz)

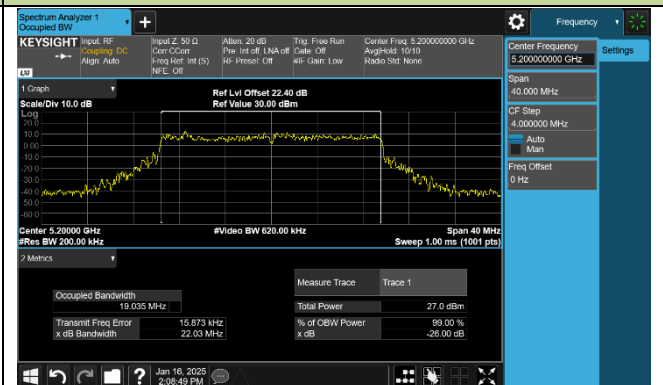


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

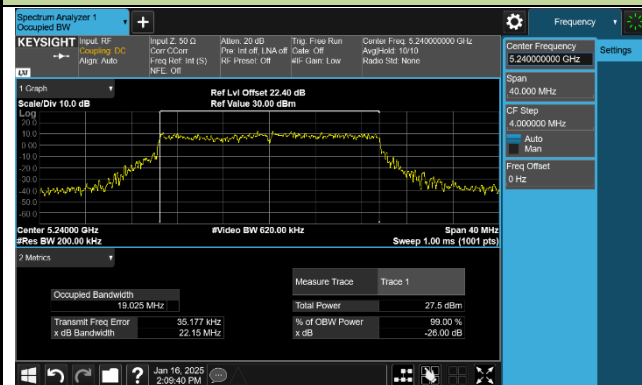
Channel 36 (5180MHz)



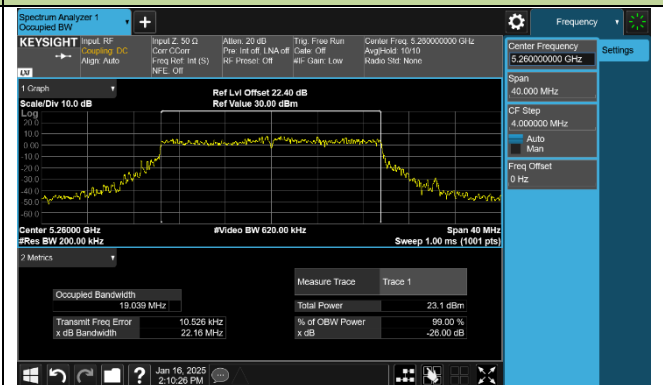
Channel 40 (5200MHz)



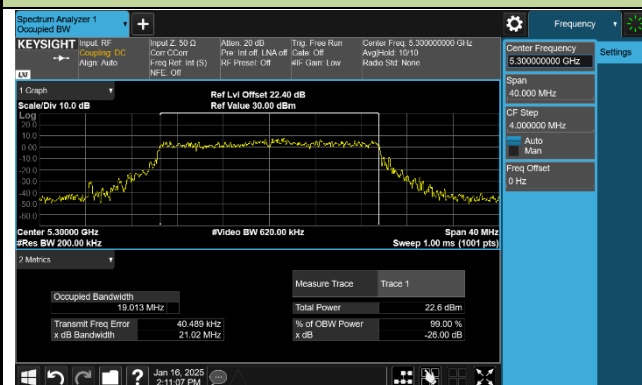
Channel 48 (5240MHz)



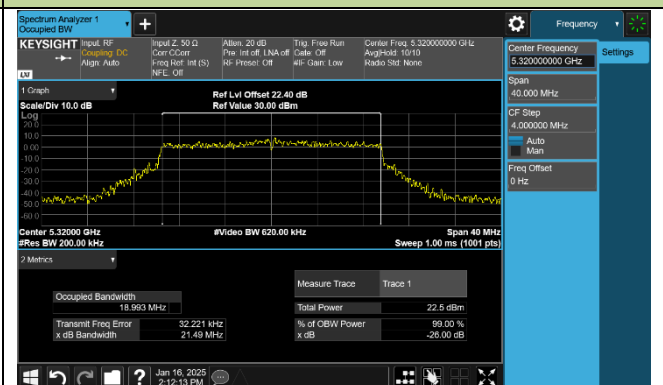
Channel 52 (5260MHz)



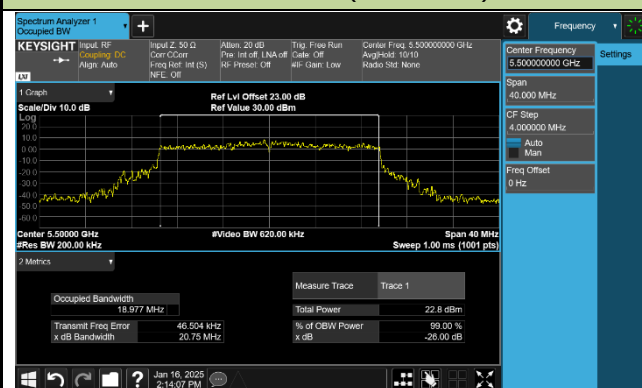
Channel 60 (5300MHz)



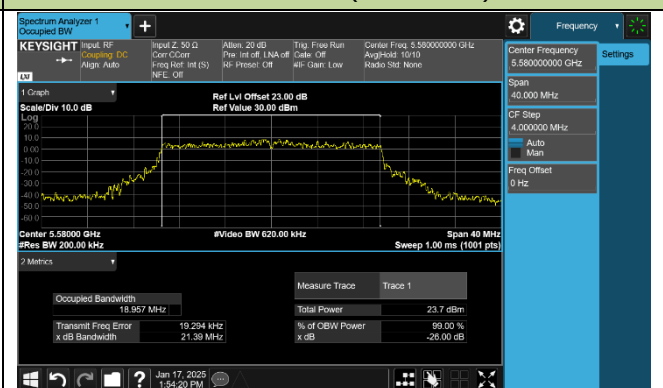
Channel 64 (5320MHz)

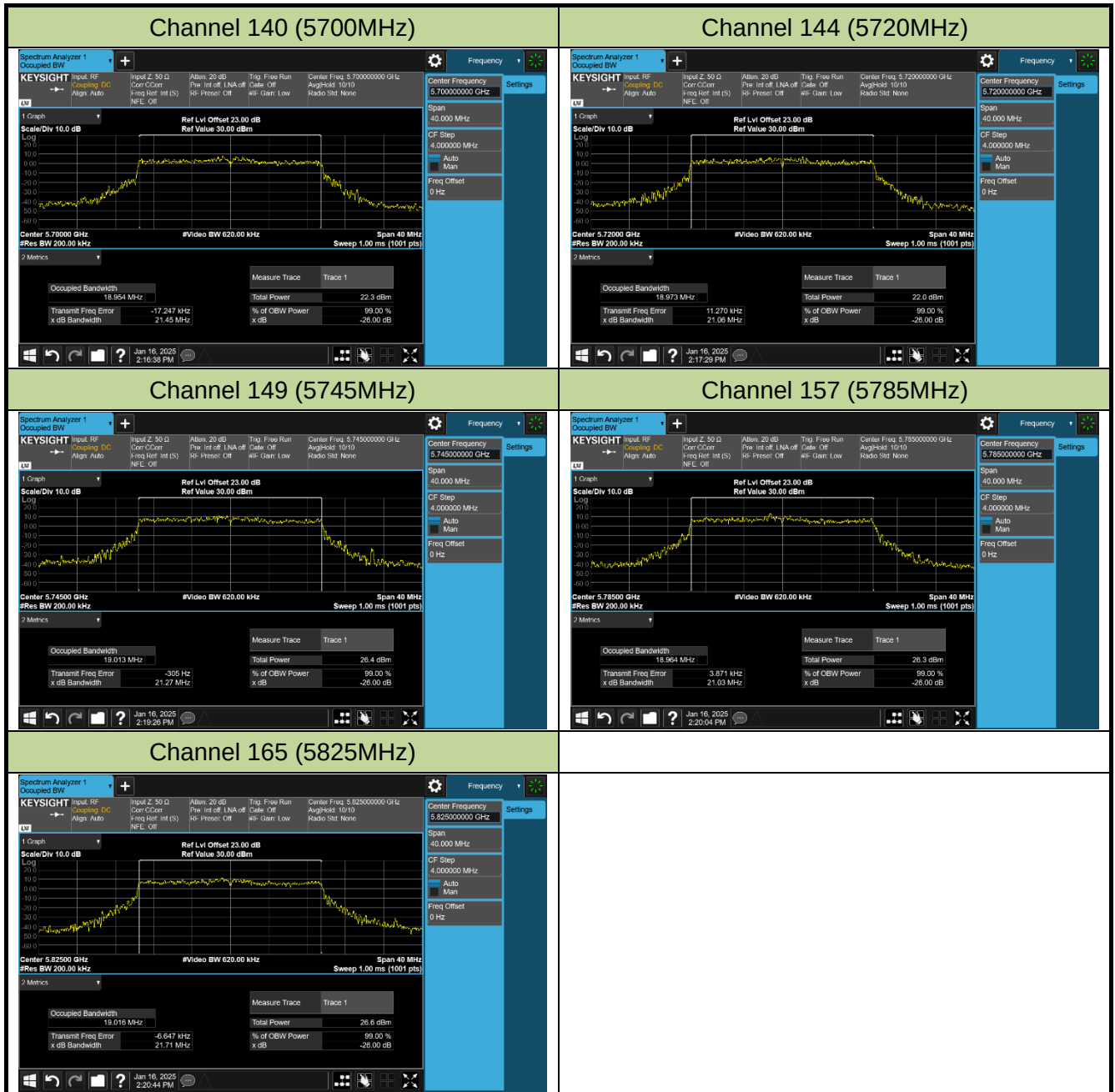


Channel 100 (5500MHz)



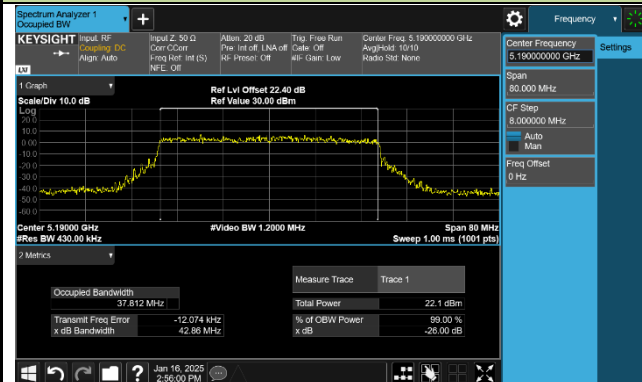
Channel 116 (5580MHz)



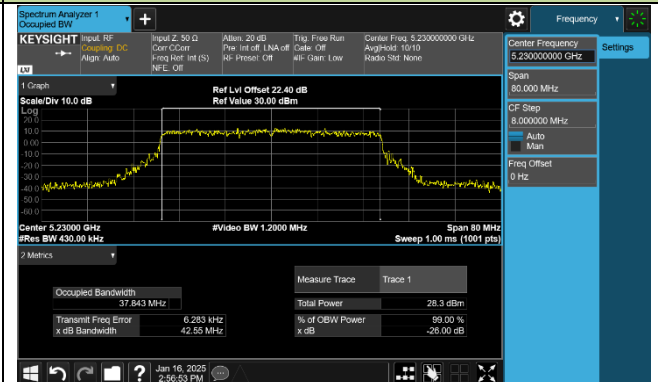


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

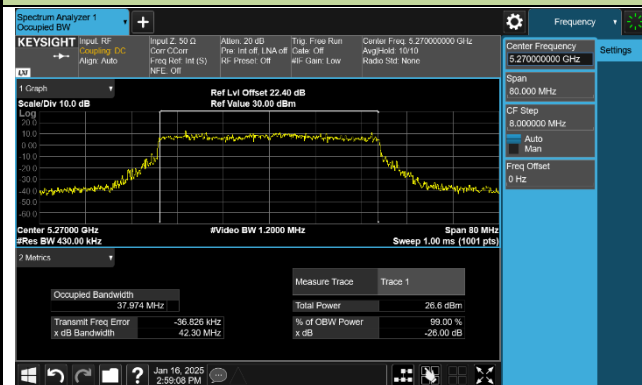
Channel 38 (5190MHz)



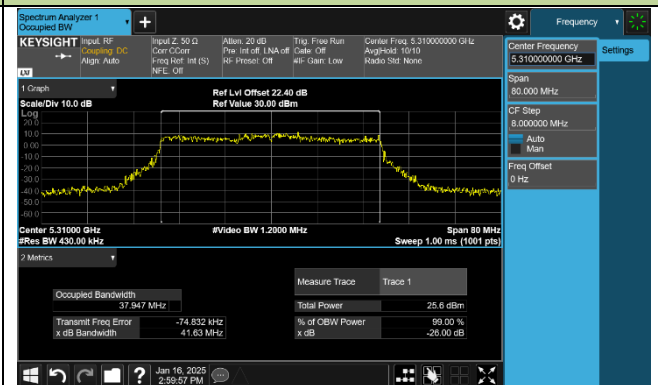
Channel 46 (5230MHz)



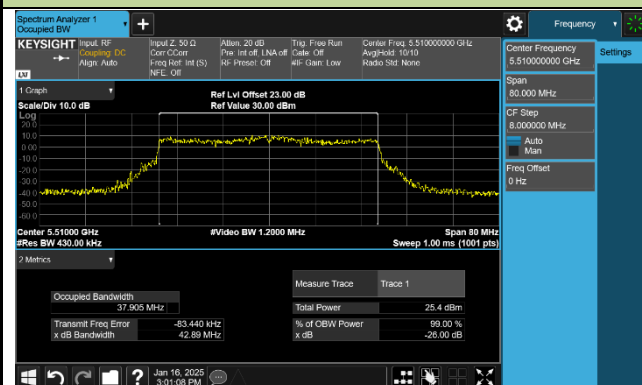
Channel 54 (5270MHz)



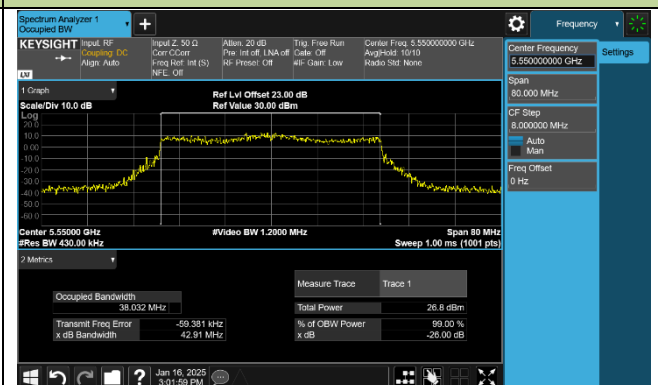
Channel 62 (5310MHz)



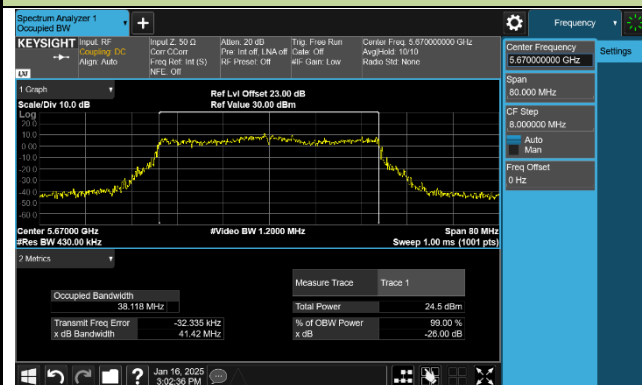
Channel 102 (5510MHz)



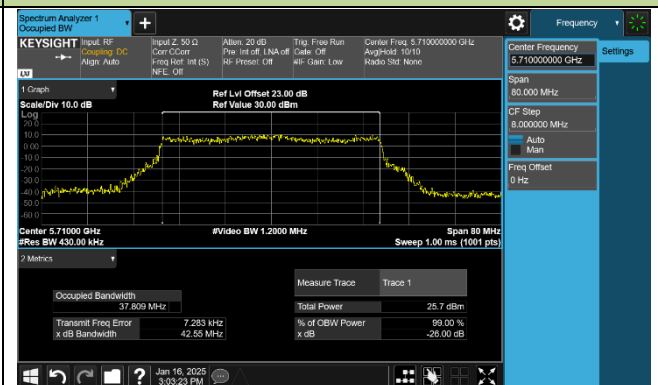
Channel 110 (5550MHz)

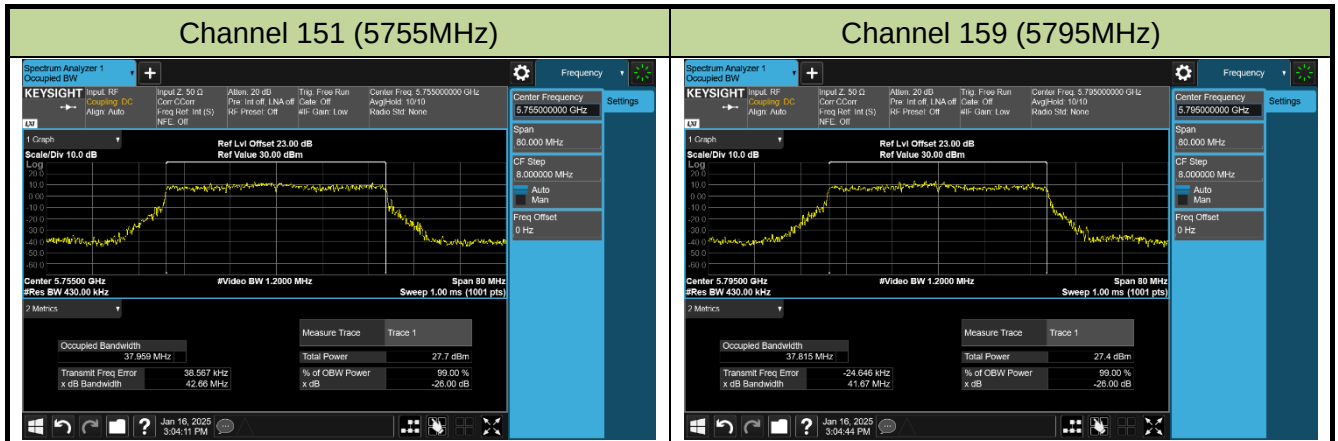


Channel 134 (5670MHz)



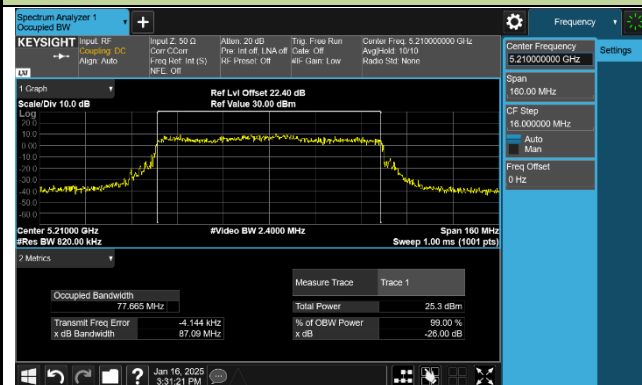
Channel 142 (5710MHz)



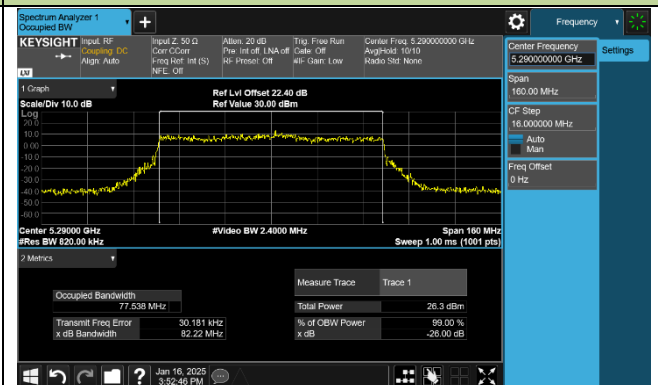


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

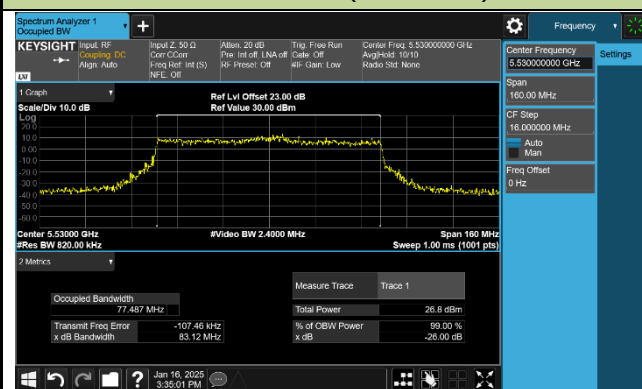
Channel 42 (5210MHz)



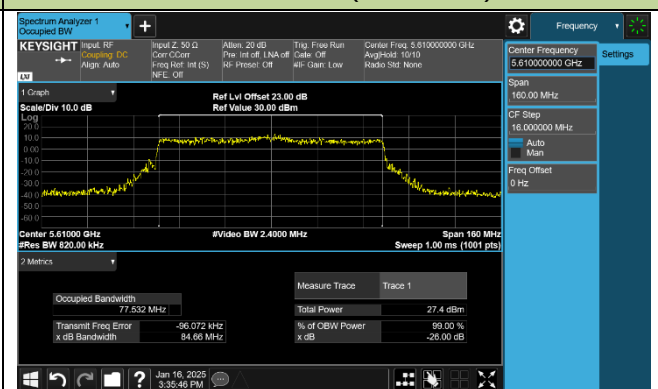
Channel 58 (5290MHz)



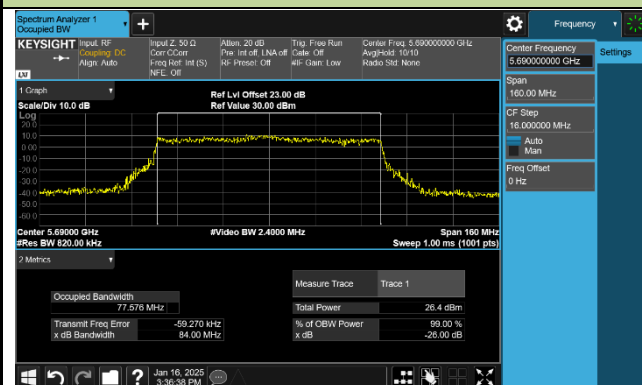
Channel 106 (5530MHz)



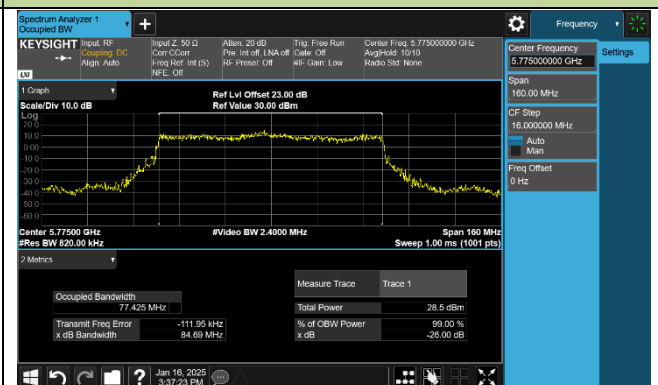
Channel 122 (5610MHz)



Channel 138 (5690MHz)

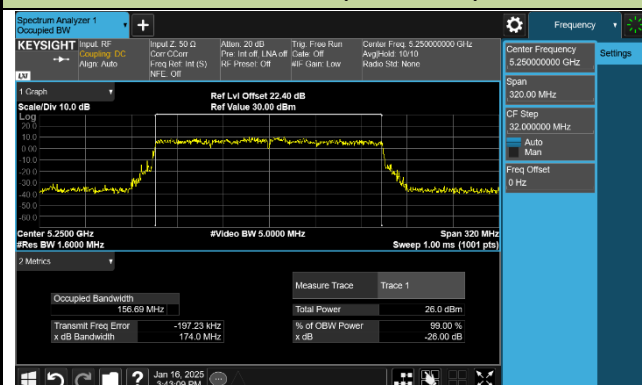


Channel 155 (5775MHz)

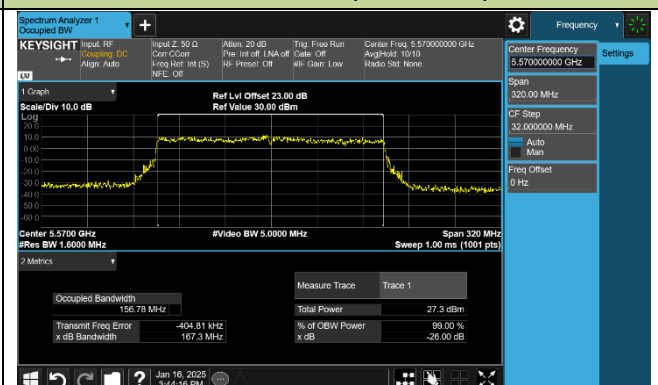


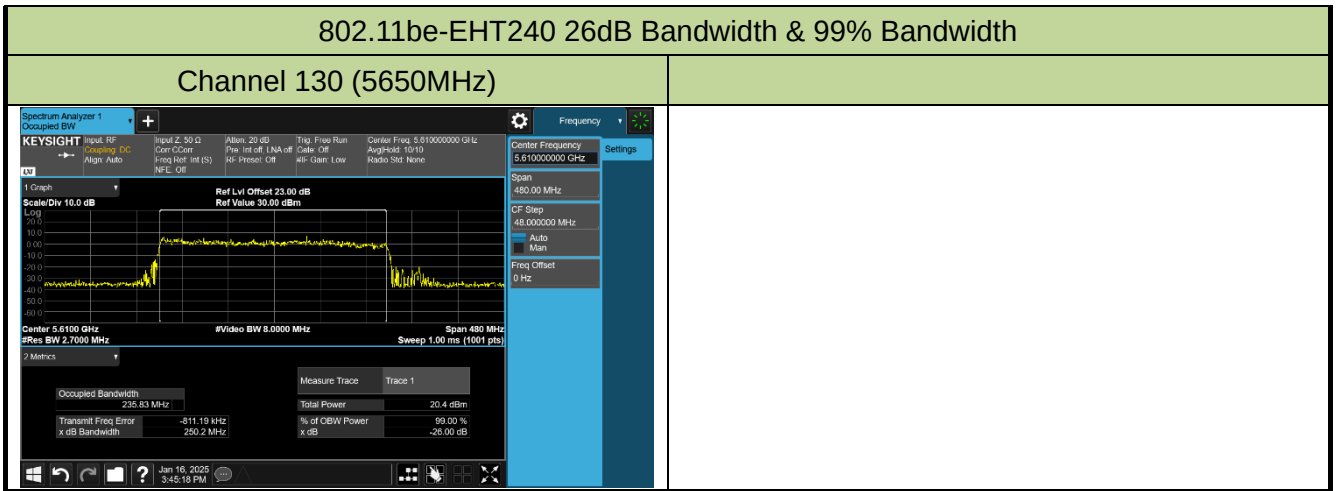
802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

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.

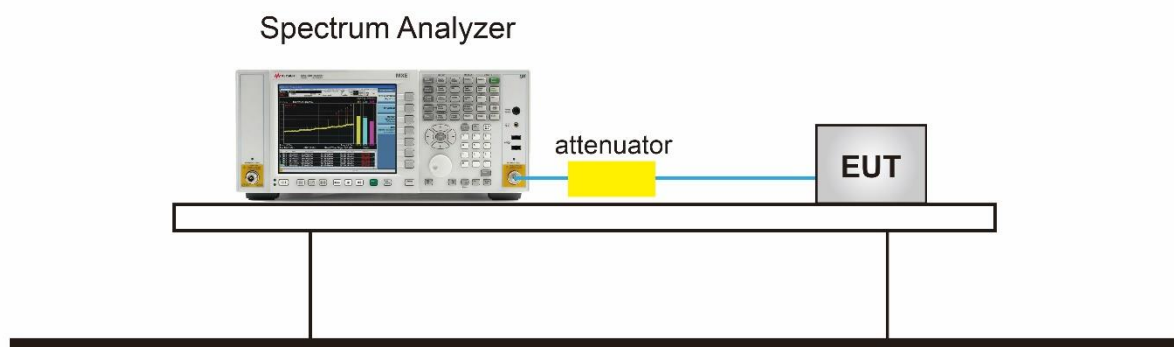
7.3.2. Test Procedure used

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



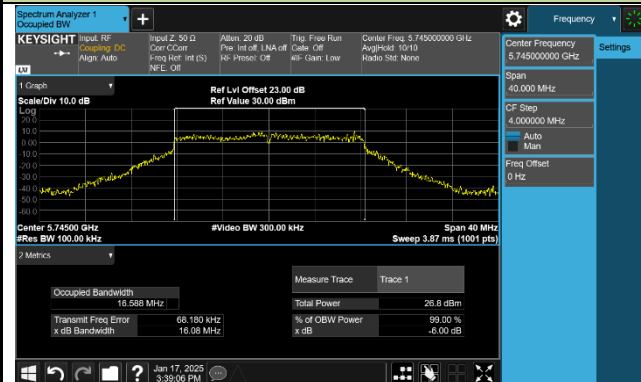
7.3.5.TestResult

Product	BE5000 Ceiling Mount Wi-Fi 7 Access Point	Test Engineer	Peter
Test Site	SR6	Test Date	2025/1/17

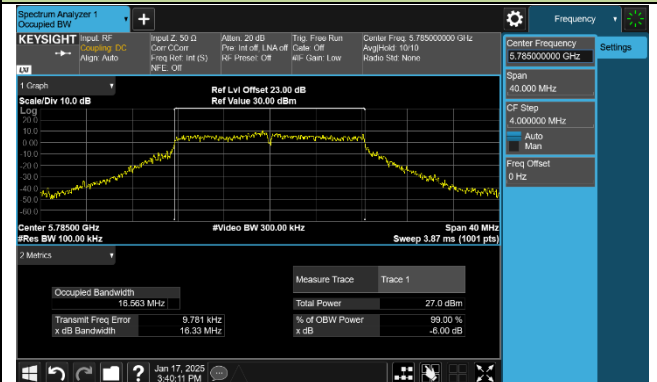
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1						
802.11a	6Mbps	149	5745	16.080	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.330	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.390	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.620	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.760	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.480	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.480	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.420	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	73.570	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	19.010	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	19.080	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	19.110	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	36.970	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.160	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	26.350	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	18.940	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	19.010	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	18.950	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	37.890	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	38.120	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	78.200	≥ 0.5	Pass

802.11a 6dB Bandwidth

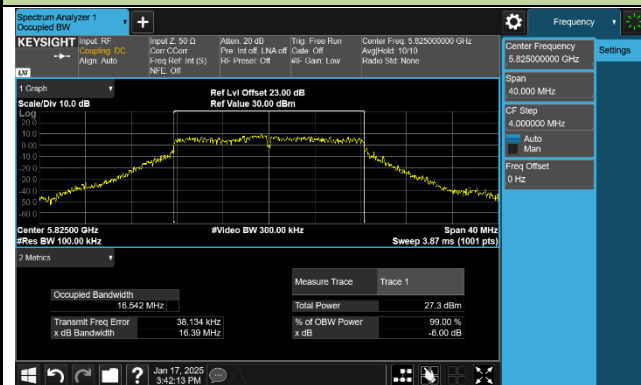
Channel 149 (5745MHz)



Channel 157 (5785MHz)

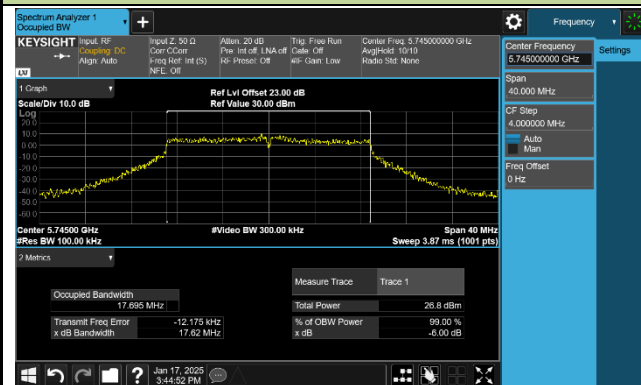


Channel 165 (5825MHz)

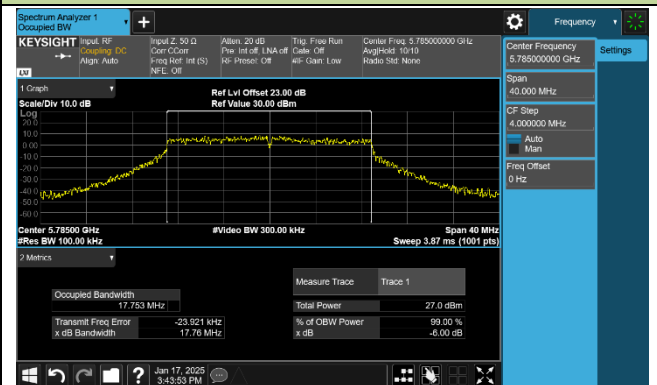


802.11ac-VHT20 6dB Bandwidth

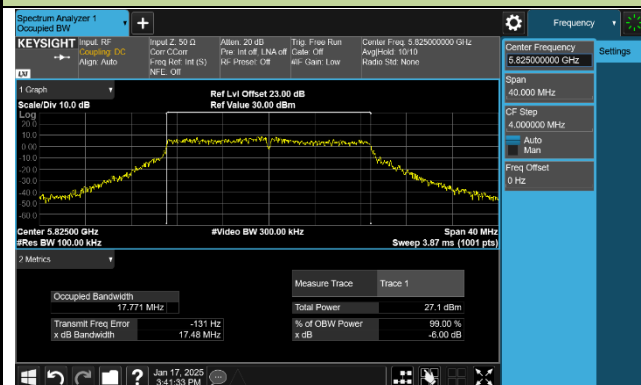
Channel 149 (5745MHz)



Channel 157 (5785MHz)

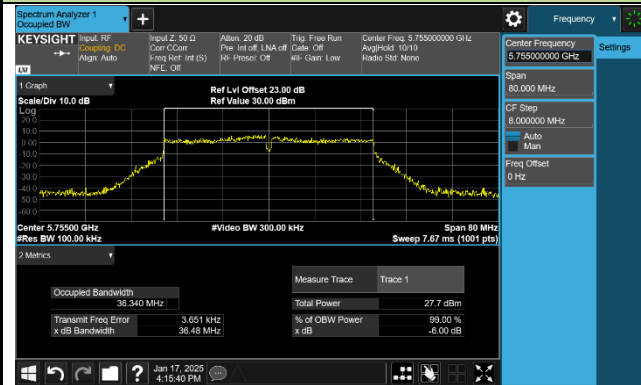


Channel 165 (5825MHz)

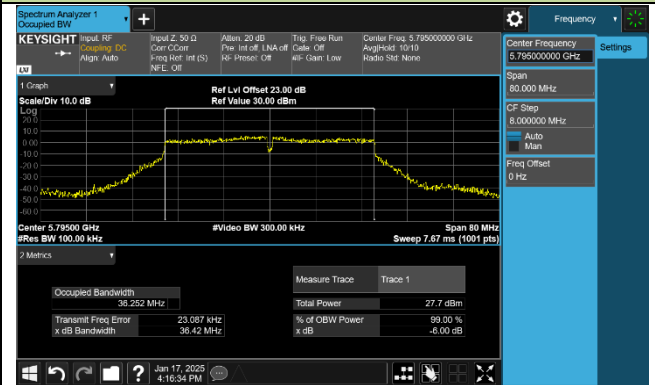


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

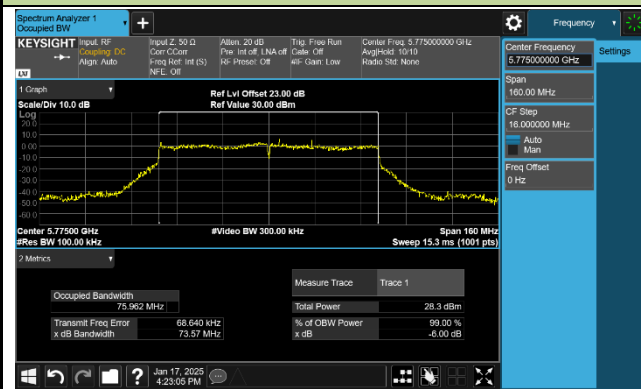


Channel 159 (5795MHz)



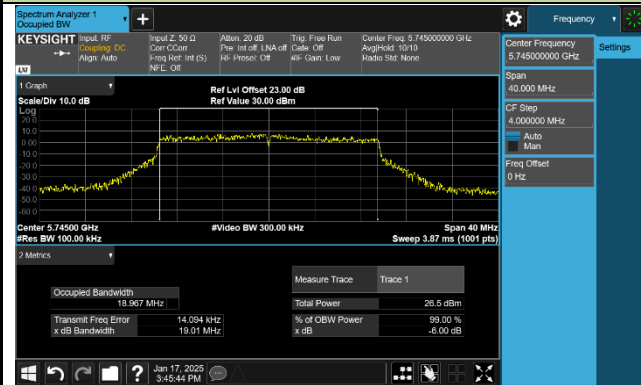
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

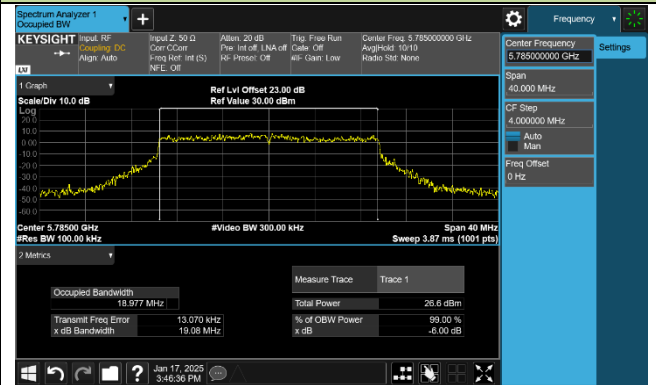


802.11ax-HE20 6dB Bandwidth

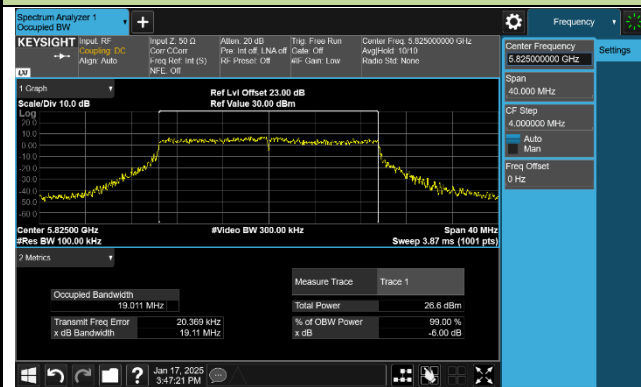
Channel 149 (5745MHz)



Channel 157 (5785MHz)

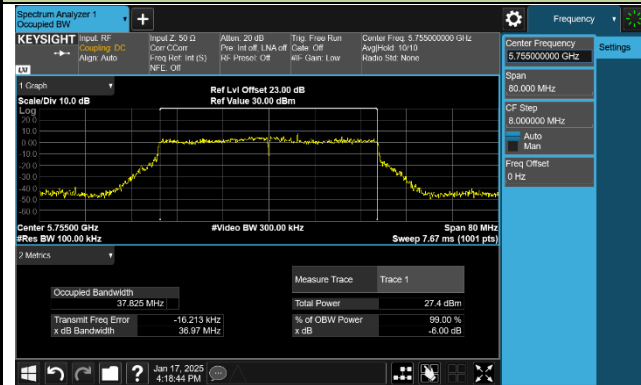


Channel 165 (5825MHz)

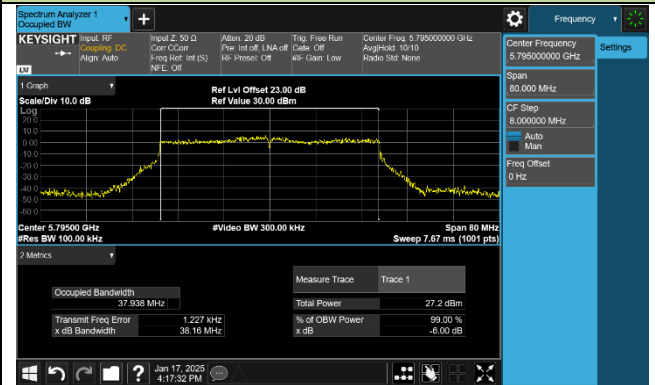


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

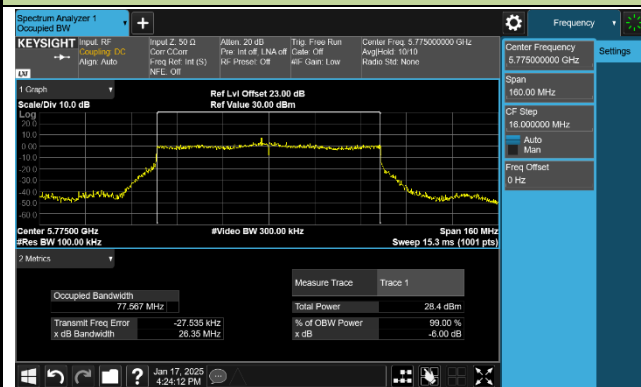


Channel 159 (5795MHz)



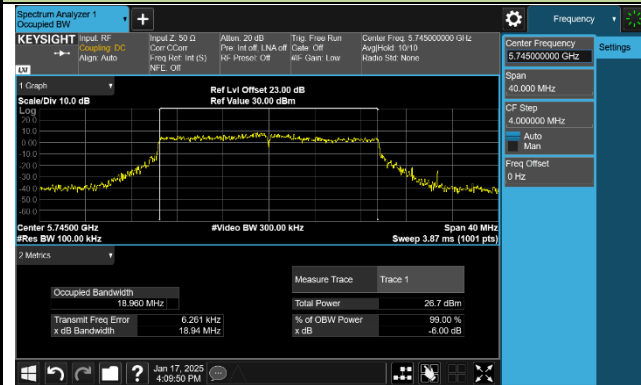
802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)

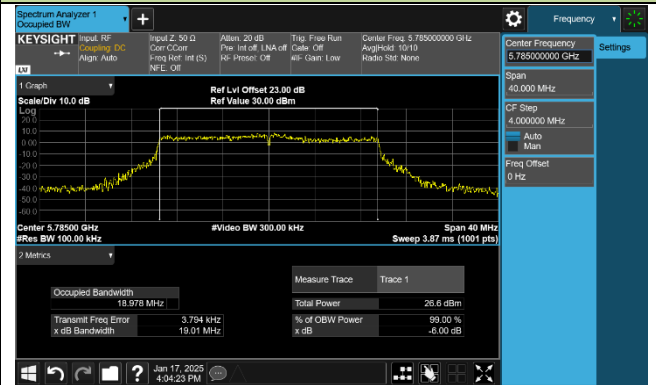


802.11be-EHT20 6dB Bandwidth

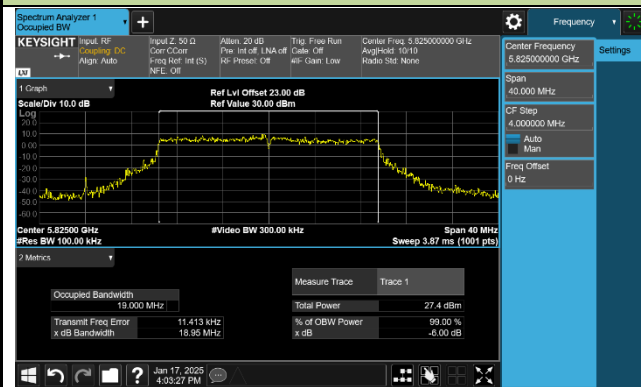
Channel 149 (5745MHz)



Channel 157 (5785MHz)

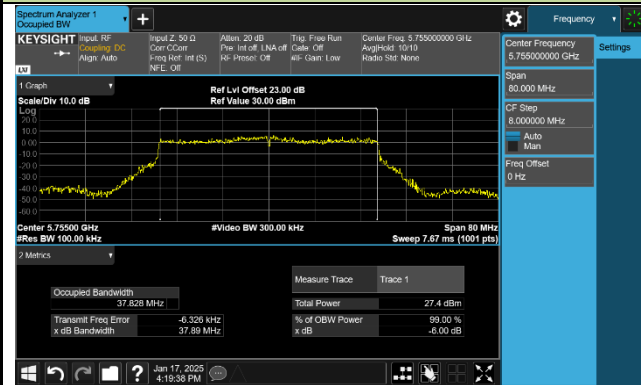


Channel 165 (5825MHz)

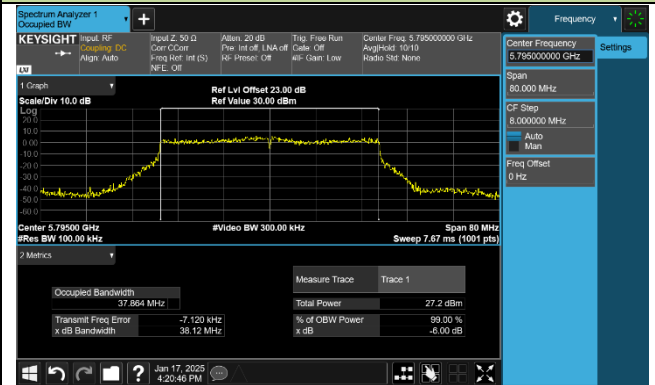


802.11be-EHT40 6dB Bandwidth

Channel 151 (5755MHz)

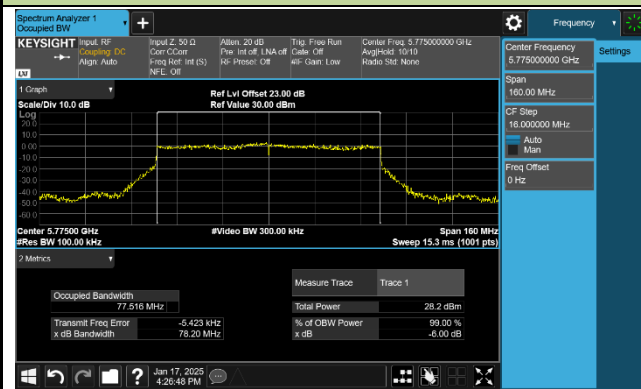


Channel 159 (5795MHz)



802.11be-EHT80 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.

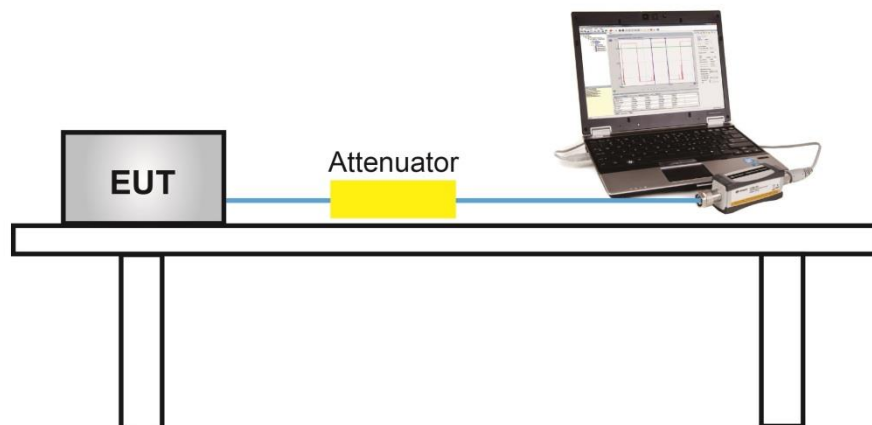
7.4.2. Test Procedure Used

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	BE5000 Ceiling Mount Wi-Fi 7 Access Point	Test Engineer	Peter
Test Site	SR6	Test Date	2025/1/15
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	21.98	22.28	25.14	≤ 30.00	Pass
11a	6Mbps	40	5200	21.96	22.35	25.17	≤ 30.00	Pass
11a	6Mbps	48	5240	21.46	22.81	25.20	≤ 30.00	Pass
11a	6Mbps	52	5260	15.98	17.52	19.83	≤ 23.98	Pass
11a	6Mbps	60	5300	15.59	17.26	19.52	≤ 23.98	Pass
11a	6Mbps	64	5320	15.40	16.81	19.17	≤ 23.98	Pass
11a	6Mbps	100	5500	17.57	17.55	20.57	≤ 23.98	Pass
11a	6Mbps	116	5580	17.11	17.87	20.52	≤ 23.98	Pass
11a	6Mbps	140	5700	17.90	16.35	20.20	≤ 23.98	Pass
11a	6Mbps	144	5720	17.55	16.91	20.25	≤ 23.04	Pass
11a	6Mbps	149	5745	22.22	21.92	25.08	≤ 30.00	Pass
11a	6Mbps	157	5785	22.54	22.21	25.39	≤ 30.00	Pass
11a	6Mbps	165	5825	22.43	22.02	25.24	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	22.23	22.16	25.21	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5200	22.04	22.32	25.19	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	21.51	22.75	25.18	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	16.44	18.04	20.32	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	16.08	17.70	19.98	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	15.84	17.34	19.66	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	17.44	17.86	20.67	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	16.92	17.43	20.19	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	17.97	16.63	20.36	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	17.80	17.19	20.52	≤ 22.95	Pass
11ac-VHT20	MCS0	149	5745	22.45	22.21	25.34	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	22.69	22.24	25.48	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	22.57	22.02	25.31	≤ 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	20.14	19.06	22.64	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	21.79	22.97	25.43	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	18.88	20.51	22.78	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	18.58	20.32	22.55	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	20.37	20.74	23.57	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.22	20.80	23.53	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.20	18.44	22.42	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.83	19.35	23.16	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	22.50	22.46	25.49	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	22.23	22.03	25.14	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	20.20	19.56	22.90	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.47	20.40	23.45	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	20.32	20.85	23.60	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.78	20.79	23.80	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	21.47	20.32	23.94	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	22.06	22.25	25.17	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	19.87	20.36	23.13	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	19.93	20.72	23.35	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	22.19	22.60	25.41	≤ 30.00	Pass
11ax-HE20	MCS0	40	5200	22.15	22.42	25.30	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	21.92	22.97	25.49	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	17.14	18.77	21.04	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	17.36	18.82	21.16	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	17.21	18.61	20.98	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	18.79	18.96	21.89	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	18.85	19.86	22.39	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	19.21	17.85	21.59	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	18.81	18.20	21.53	≤ 23.02	Pass
11ax-HE20	MCS0	149	5745	22.08	21.95	25.03	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	22.31	21.99	25.16	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	22.25	21.89	25.08	≤ 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	20.06	19.30	22.71	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	21.53	22.63	25.13	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	19.55	21.06	23.38	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	19.19	20.80	23.08	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	20.62	20.67	23.66	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.58	20.96	23.78	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	20.75	19.15	23.03	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.83	19.49	23.22	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	22.12	21.93	25.04	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	22.33	22.00	25.18	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	20.14	19.77	22.97	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.38	20.59	23.50	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	20.45	21.03	23.76	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.81	20.80	23.82	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	21.08	19.87	23.53	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	22.12	22.26	25.20	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	19.48	19.85	22.68	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	20.15	21.14	23.68	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	22.87	21.93	25.44	≤ 30.00	Pass
11be-EHT20	MCS0	40	5200	22.22	22.56	25.40	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	21.82	23.00	25.46	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	16.72	18.23	20.55	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	16.33	17.94	20.22	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	16.06	17.61	19.91	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	18.32	18.42	21.38	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	17.81	18.78	21.33	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	18.66	17.26	21.03	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	17.95	17.37	20.68	≤ 22.91	Pass
11be-EHT20	MCS0	149	5745	22.15	21.86	25.02	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	22.37	21.97	25.18	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	22.61	22.20	25.42	≤ 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	17.22	16.15	19.73	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	21.79	22.99	25.44	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	19.42	20.95	23.26	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	19.45	19.72	22.60	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	19.72	19.42	22.58	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.33	20.86	23.61	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	19.95	18.31	22.22	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.31	19.01	22.72	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	22.09	22.01	25.06	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	22.22	22.00	25.12	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	19.41	18.79	22.12	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	19.80	19.94	22.88	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	20.10	20.42	23.27	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.79	20.51	23.66	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	21.06	19.86	23.51	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	22.16	22.35	25.27	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	18.60	19.00	21.81	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	19.31	20.24	22.81	≤ 23.98	Pass
11be-EHT240	MCS0	130	5650	13.88	13.15	16.54	≤ 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.

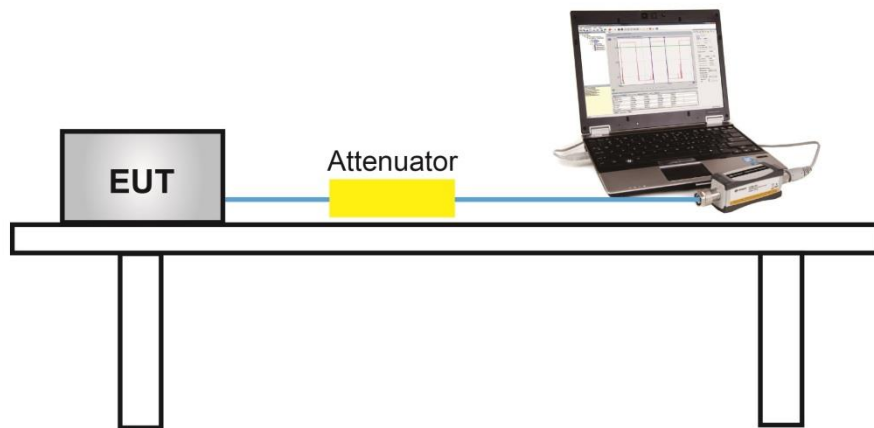
7.5.2. Test Procedure Used

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.

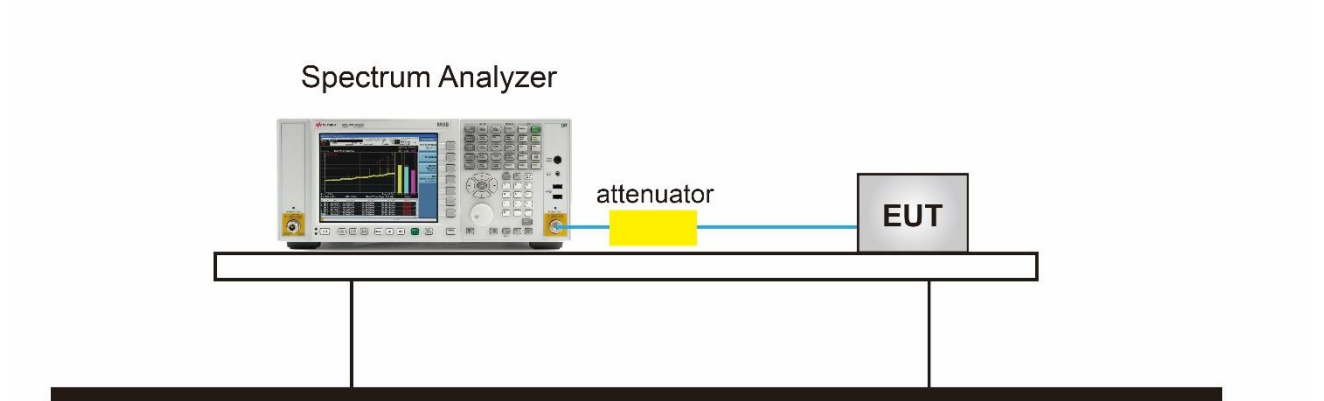
7.6.2. Test Procedure Used

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	BE5000 Ceiling Mount Wi-Fi 7 Access Point	Test Engineer	Peter
Test Site	SR6	Test Date	2025/1/3~2025/1/17
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	13.798	12.653	99.35%	16.302	≤ 16.99	Pass
11a	6Mbps	40	5200	13.610	12.962	99.35%	16.337	≤ 16.99	Pass
11a	6Mbps	48	5240	13.330	13.523	99.35%	16.466	≤ 16.99	Pass
11a	6Mbps	52	5260	7.633	8.077	99.35%	10.899	≤ 10.99	Pass
11a	6Mbps	60	5300	7.829	7.921	99.35%	10.914	≤ 10.99	Pass
11a	6Mbps	64	5320	7.921	7.561	99.35%	10.783	≤ 10.99	Pass
11a	6Mbps	100	5500	7.446	7.876	99.35%	10.705	≤ 10.99	Pass
11a	6Mbps	116	5580	7.676	7.968	99.35%	10.863	≤ 10.99	Pass
11a	6Mbps	140	5700	8.457	6.890	99.35%	10.782	≤ 10.99	Pass
11a	6Mbps	144	5720	8.243	7.558	99.35%	10.953	≤ 10.99	Pass
11ac-VHT20	MCS0	36	5180	13.938	11.840	99.45%	16.049	≤ 16.99	Pass
11ac-VHT20	MCS0	40	5200	13.673	11.837	99.45%	15.886	≤ 16.99	Pass
11ac-VHT20	MCS0	48	5240	12.782	12.266	99.45%	15.566	≤ 16.99	Pass
11ac-VHT20	MCS0	52	5260	7.931	7.873	99.45%	10.936	≤ 10.99	Pass
11ac-VHT20	MCS0	60	5300	7.864	7.688	99.45%	10.811	≤ 10.99	Pass
11ac-VHT20	MCS0	64	5320	7.858	7.347	99.45%	10.644	≤ 10.99	Pass
11ac-VHT20	MCS0	100	5500	6.938	8.094	99.45%	10.589	≤ 10.99	Pass
11ac-VHT20	MCS0	116	5580	6.530	8.154	99.45%	10.452	≤ 10.99	Pass
11ac-VHT20	MCS0	140	5700	8.202	6.841	99.45%	10.609	≤ 10.99	Pass
11ac-VHT20	MCS0	144	5720	7.948	7.462	99.45%	10.746	≤ 10.99	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	8.115	6.343	99.45%	10.353	≤ 16.99	Pass
11ac-VHT40	MCS0	46	5230	10.699	10.285	99.45%	13.531	≤ 16.99	Pass
11ac-VHT40	MCS0	54	5270	7.960	7.595	99.45%	10.816	≤ 10.99	Pass
11ac-VHT40	MCS0	62	5310	7.502	7.749	99.45%	10.662	≤ 10.99	Pass
11ac-VHT40	MCS0	102	5510	7.710	7.250	99.45%	10.520	≤ 10.99	Pass
11ac-VHT40	MCS0	110	5550	8.253	7.014	99.45%	10.712	≤ 10.99	Pass
11ac-VHT40	MCS0	134	5670	7.867	7.780	99.45%	10.858	≤ 10.99	Pass
11ac-VHT40	MCS0	142	5710	7.846	7.874	99.45%	10.894	≤ 10.99	Pass
11ac-VHT80	MCS0	42	5210	5.091	3.893	99.50%	7.565	≤ 16.99	Pass
11ac-VHT80	MCS0	58	5290	4.896	5.018	99.50%	7.989	≤ 10.99	Pass
11ac-VHT80	MCS0	106	5530	4.718	5.537	99.50%	8.179	≤ 10.99	Pass
11ac-VHT80	MCS0	122	5610	5.884	5.677	99.50%	8.814	≤ 10.99	Pass
11ac-VHT80	MCS0	138	5690	6.931	5.755	99.50%	9.415	≤ 10.99	Pass
11ac-VHT160	MCS0	50	5250	1.314	2.150	99.15%	4.799	≤ 10.99	Pass
11ac-VHT160	MCS0	114	5570	1.640	2.188	99.15%	4.970	≤ 10.99	Pass
11ax-HE20	MCS0	36	5180	13.608	11.680	99.82%	15.768	≤ 16.99	Pass
11ax-HE20	MCS0	40	5200	12.326	10.978	99.82%	14.722	≤ 16.99	Pass
11ax-HE20	MCS0	48	5240	12.022	11.671	99.82%	14.868	≤ 16.99	Pass
11ax-HE20	MCS0	52	5260	7.663	7.384	99.82%	10.544	≤ 10.99	Pass
11ax-HE20	MCS0	60	5300	7.359	7.916	99.82%	10.665	≤ 10.99	Pass
11ax-HE20	MCS0	64	5320	7.790	7.593	99.82%	10.711	≤ 10.99	Pass
11ax-HE20	MCS0	100	5500	6.785	8.590	99.82%	10.799	≤ 10.99	Pass
11ax-HE20	MCS0	116	5580	6.565	8.848	99.82%	10.873	≤ 10.99	Pass
11ax-HE20	MCS0	140	5700	7.828	7.587	99.82%	10.727	≤ 10.99	Pass
11ax-HE20	MCS0	144	5720	7.875	7.119	99.82%	10.532	≤ 10.99	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	7.915	6.394	99.63%	10.247	≤ 16.99	Pass
11ax-HE40	MCS0	46	5230	10.164	9.674	99.63%	12.952	≤ 16.99	Pass
11ax-HE40	MCS0	54	5270	7.785	7.841	99.63%	10.839	≤ 10.99	Pass
11ax-HE40	MCS0	62	5310	7.732	6.929	99.63%	10.375	≤ 10.99	Pass
11ax-HE40	MCS0	102	5510	6.708	8.023	99.63%	10.441	≤ 10.99	Pass
11ax-HE40	MCS0	110	5550	6.859	7.995	99.63%	10.490	≤ 10.99	Pass
11ax-HE40	MCS0	134	5670	8.548	6.819	99.63%	10.795	≤ 10.99	Pass
11ax-HE40	MCS0	142	5710	8.162	6.942	99.63%	10.621	≤ 10.99	Pass
11ax-HE80	MCS0	42	5210	5.175	3.661	99.62%	7.510	≤ 16.99	Pass
11ax-HE80	MCS0	58	5290	4.959	5.174	99.62%	8.095	≤ 10.99	Pass
11ax-HE80	MCS0	106	5530	4.743	5.410	99.62%	8.116	≤ 10.99	Pass
11ax-HE80	MCS0	122	5610	5.917	5.953	99.62%	8.962	≤ 10.99	Pass
11ax-HE80	MCS0	122	5690	6.708	5.480	99.62%	9.164	≤ 10.99	Pass
11ax-HE160	MCS0	50	5250	0.547	0.894	99.57%	3.753	≤ 10.99	Pass
11ax-HE160	MCS0	114	5570	2.497	2.658	99.57%	5.607	≤ 10.99	Pass
11be-EHT20	MCS0	36	5180	13.121	11.018	99.82%	15.214	≤ 16.99	Pass
11be-EHT20	MCS0	40	5200	13.845	11.769	99.82%	15.948	≤ 16.99	Pass
11be-EHT20	MCS0	48	5240	13.070	12.606	99.82%	15.862	≤ 16.99	Pass
11be-EHT20	MCS0	52	5260	7.676	7.877	99.82%	10.796	≤ 10.99	Pass
11be-EHT20	MCS0	60	5300	7.584	7.975	99.82%	10.802	≤ 10.99	Pass
11be-EHT20	MCS0	64	5320	7.547	7.539	99.82%	10.561	≤ 10.99	Pass
11be-EHT20	MCS0	100	5500	7.316	8.440	99.82%	10.932	≤ 10.99	Pass
11be-EHT20	MCS0	116	5580	6.947	8.733	99.82%	10.949	≤ 10.99	Pass
11be-EHT20	MCS0	140	5700	8.483	7.159	99.82%	10.889	≤ 10.99	Pass
11be-EHT20	MCS0	144	5720	7.743	7.251	99.82%	10.522	≤ 10.99	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	4.834	3.823	99.27%	7.400	≤ 16.99	Pass
11be-EHT40	MCS0	46	5230	10.576	9.712	99.27%	13.208	≤ 16.99	Pass
11be-EHT40	MCS0	54	5270	8.077	7.505	99.27%	10.843	≤ 10.99	Pass
11be-EHT40	MCS0	62	5310	7.785	7.310	99.27%	10.596	≤ 10.99	Pass
11be-EHT40	MCS0	102	5510	6.373	7.143	99.27%	9.817	≤ 10.99	Pass
11be-EHT40	MCS0	110	5550	7.185	8.578	99.27%	10.979	≤ 10.99	Pass
11be-EHT40	MCS0	134	5670	8.008	6.595	99.27%	10.401	≤ 10.99	Pass
11be-EHT40	MCS0	142	5710	7.974	7.737	99.27%	10.899	≤ 10.99	Pass
11be-EHT80	MCS0	42	5210	3.923	2.707	99.62%	6.384	≤ 16.99	Pass
11be-EHT80	MCS0	58	5290	4.772	4.502	99.62%	7.666	≤ 10.99	Pass
11be-EHT80	MCS0	106	5530	4.249	5.029	99.62%	7.683	≤ 10.99	Pass
11be-EHT80	MCS0	122	5610	6.268	5.905	99.62%	9.117	≤ 10.99	Pass
11be-EHT80	MCS0	138	5690	6.760	5.506	99.62%	9.205	≤ 10.99	Pass
11be-EHT160	MCS0	50	5250	-0.115	0.177	99.57%	3.062	≤ 10.99	Pass
11be-EHT160	MCS0	114	5570	0.929	1.507	99.57%	4.257	≤ 10.99	Pass
11be-EHT240	MCS0	130	5650	-6.917	-7.345	99.28%	-4.084	≤ 10.99	Pass

Note 1: The 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 - (6.01 - 6) = 16.99dBm/MHz.

For 5250 - 5350MHz and 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (6.01 - 6) = 10.99dBm/MHz.

Product	BE5000 Ceiling Mount Wi-Fi 7 Access Point	Test Engineer	Peter
Test Site	SR6	Test Date	2025/1/3~2025/1/17
Test Item	Power Spectral Density (U-NII-3) CDD Mode		

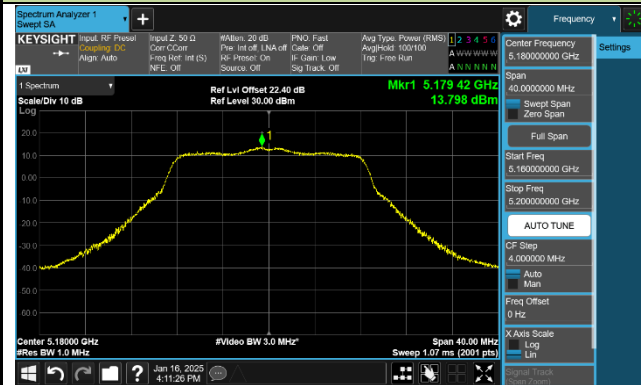
Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/ 510KHz)	Ant 1 PSD (dBm/ 510KHz)	Duty Cycle (%)	Total PSD (dBm/ 510kHz)	Limit (dBm/ 500kHz)	Result
11a	6Mbps	149	5745	10.733	10.707	99.35%	13.759	≤ 29.99	Pass
11a	6Mbps	157	5785	10.683	10.171	99.35%	13.473	≤ 29.99	Pass
11a	6Mbps	165	5825	10.894	10.002	99.35%	13.509	≤ 29.99	Pass
11ac-VHT20	MCS0	149	5745	10.212	9.843	99.45%	13.066	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	10.601	9.579	99.45%	13.154	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	10.450	9.308	99.45%	12.951	≤ 29.99	Pass
11ac-VHT40	MCS0	151	5755	8.127	7.274	99.45%	10.756	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	8.031	7.109	99.45%	10.629	≤ 29.99	Pass
11ac-VHT80	MCS0	155	5775	4.524	4.055	99.50%	7.328	≤ 29.99	Pass
11ax-HE20	MCS0	149	5745	9.508	8.656	99.82%	12.121	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	9.847	8.424	99.82%	12.212	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	9.481	8.826	99.82%	12.184	≤ 29.99	Pass
11ax-HE40	MCS0	151	5755	7.724	6.940	99.63%	10.376	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	7.501	6.435	99.63%	10.027	≤ 29.99	Pass
11ax-HE80	MCS0	155	5775	4.232	3.946	99.62%	7.118	≤ 29.99	Pass
11be-EHT20	MCS0	149	5745	9.771	9.101	99.82%	12.467	≤ 29.99	Pass
11be-EHT20	MCS0	157	5785	9.961	8.740	99.82%	12.411	≤ 29.99	Pass
11be-EHT20	MCS0	165	5825	10.384	9.065	99.82%	12.793	≤ 29.99	Pass
11be-EHT40	MCS0	151	5755	8.248	6.578	99.27%	10.535	≤ 29.99	Pass
11be-EHT40	MCS0	159	5795	7.337	6.739	99.27%	10.090	≤ 29.99	Pass
11be-EHT80	MCS0	155	5775	4.672	3.799	99.62%	7.284	≤ 29.99	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) + $10 \cdot \log (1/\text{Duty Cycle})$.

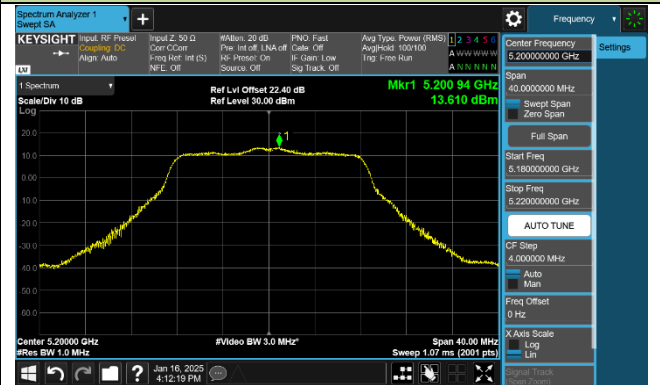
Note 2: PSD Limit (dBm/500kHz) = 30 - (6.01 - 6) = 29.99 (dBm/500kHz).

802.11a Power Spectral Density - Ant 0

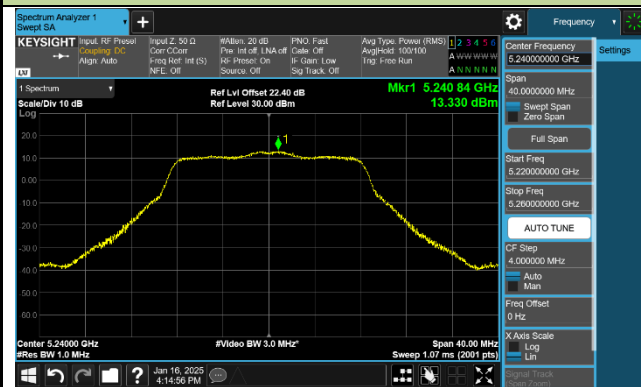
Channel 36 (5180MHz)



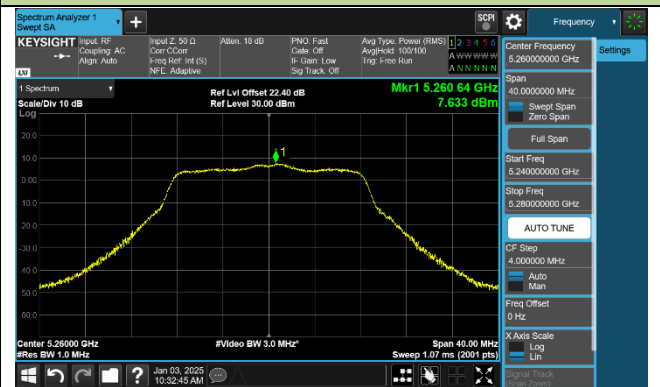
Channel 40 (5200MHz)



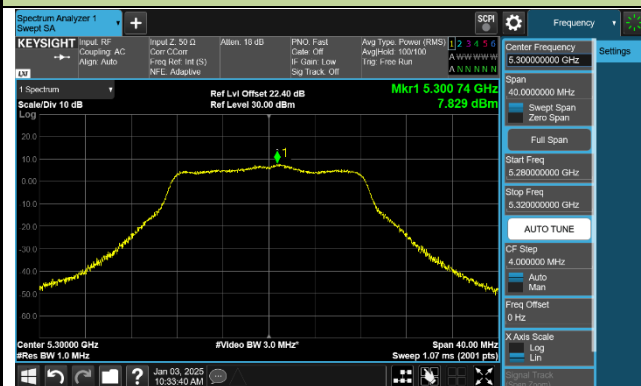
Channel 48 (5240MHz)



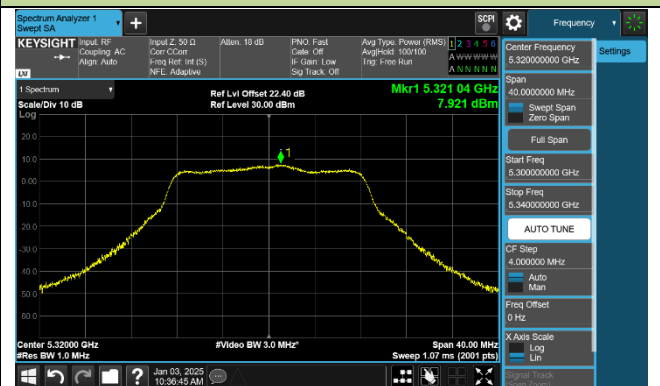
Channel 52 (5260MHz)



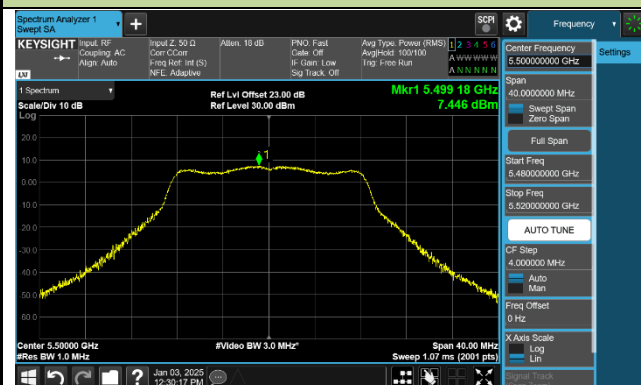
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

