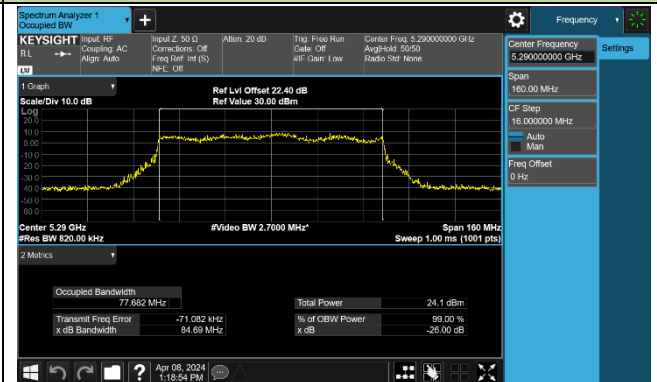


8802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

Channel 42 (5210MHz)



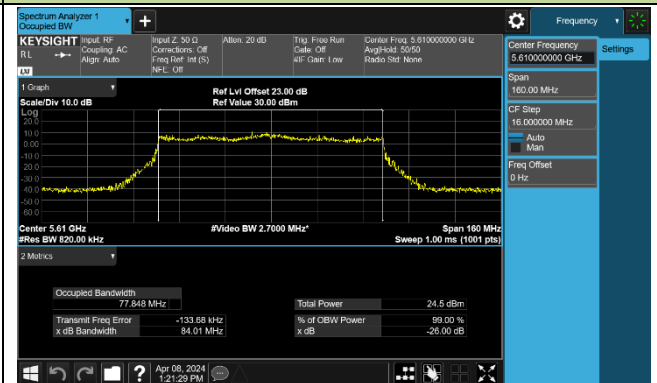
Channel 58 (5290MHz)



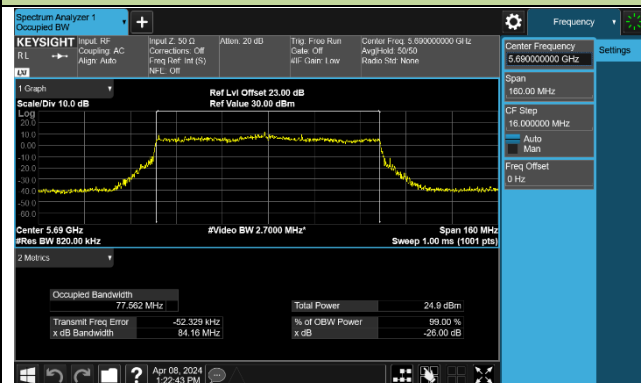
Channel 106 (5530MHz)



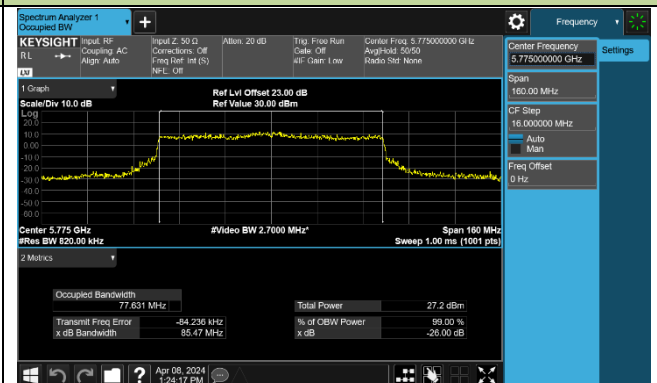
Channel 122 (5610MHz)



Channel 138 (5690MHz)

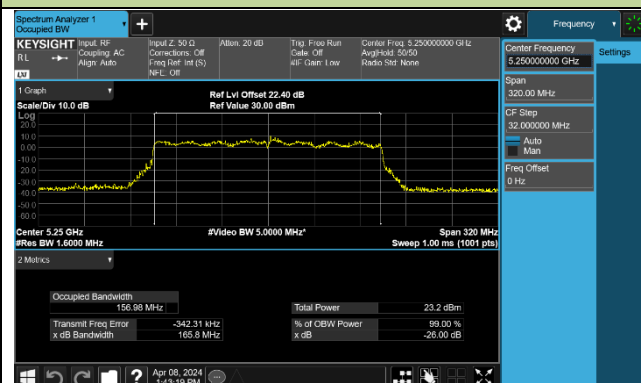


Channel 155 (5775MHz)

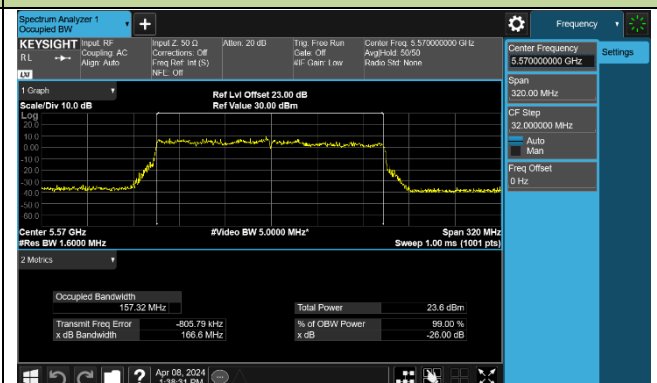


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

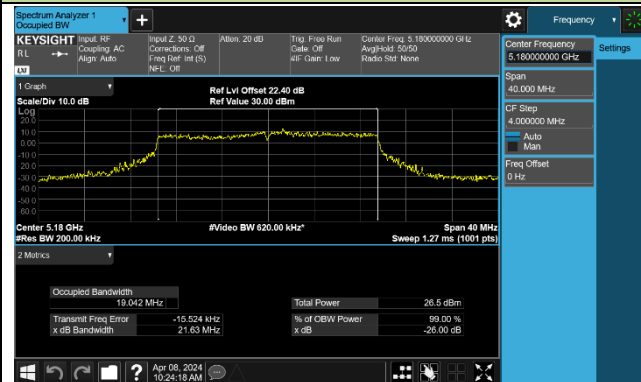


Channel 114 (5570MHz)

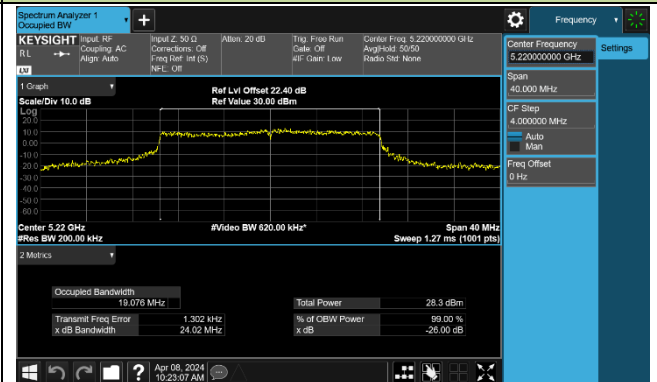


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

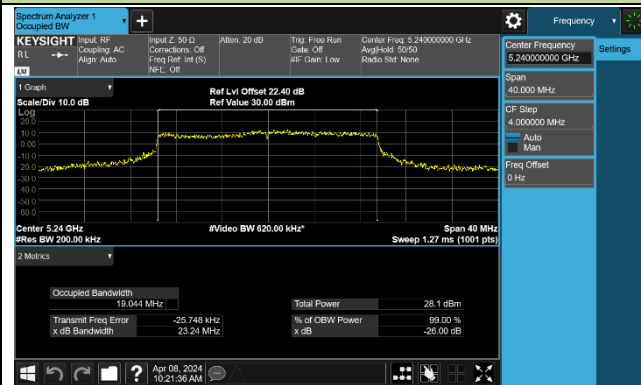
Channel 36 (5180MHz)



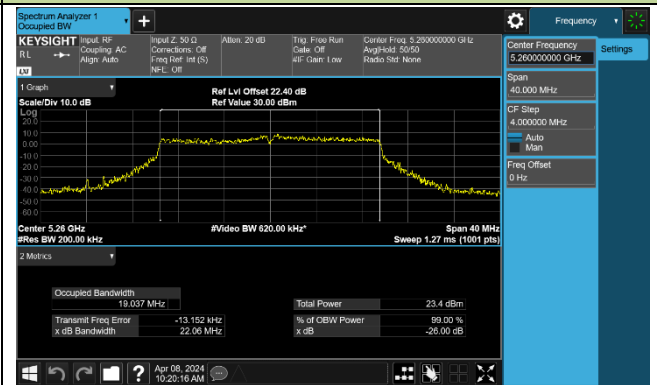
Channel 44 (5220MHz)



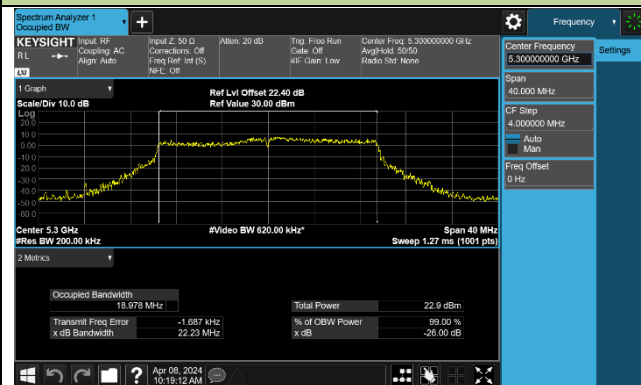
Channel 48 (5240MHz)



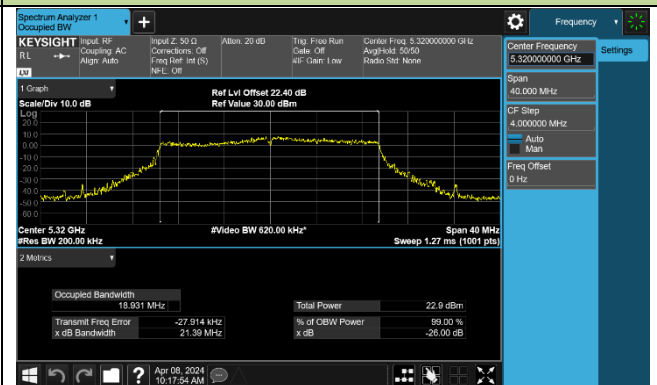
Channel 52 (5260MHz)



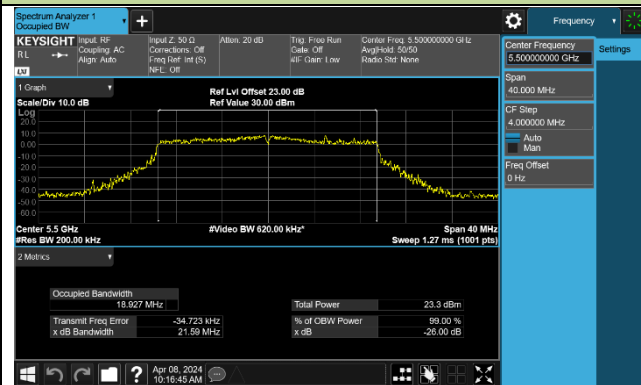
Channel 60 (5300MHz)



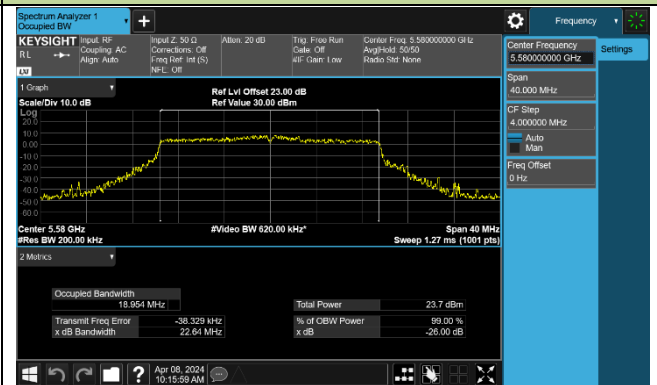
Channel 64 (5320MHz)

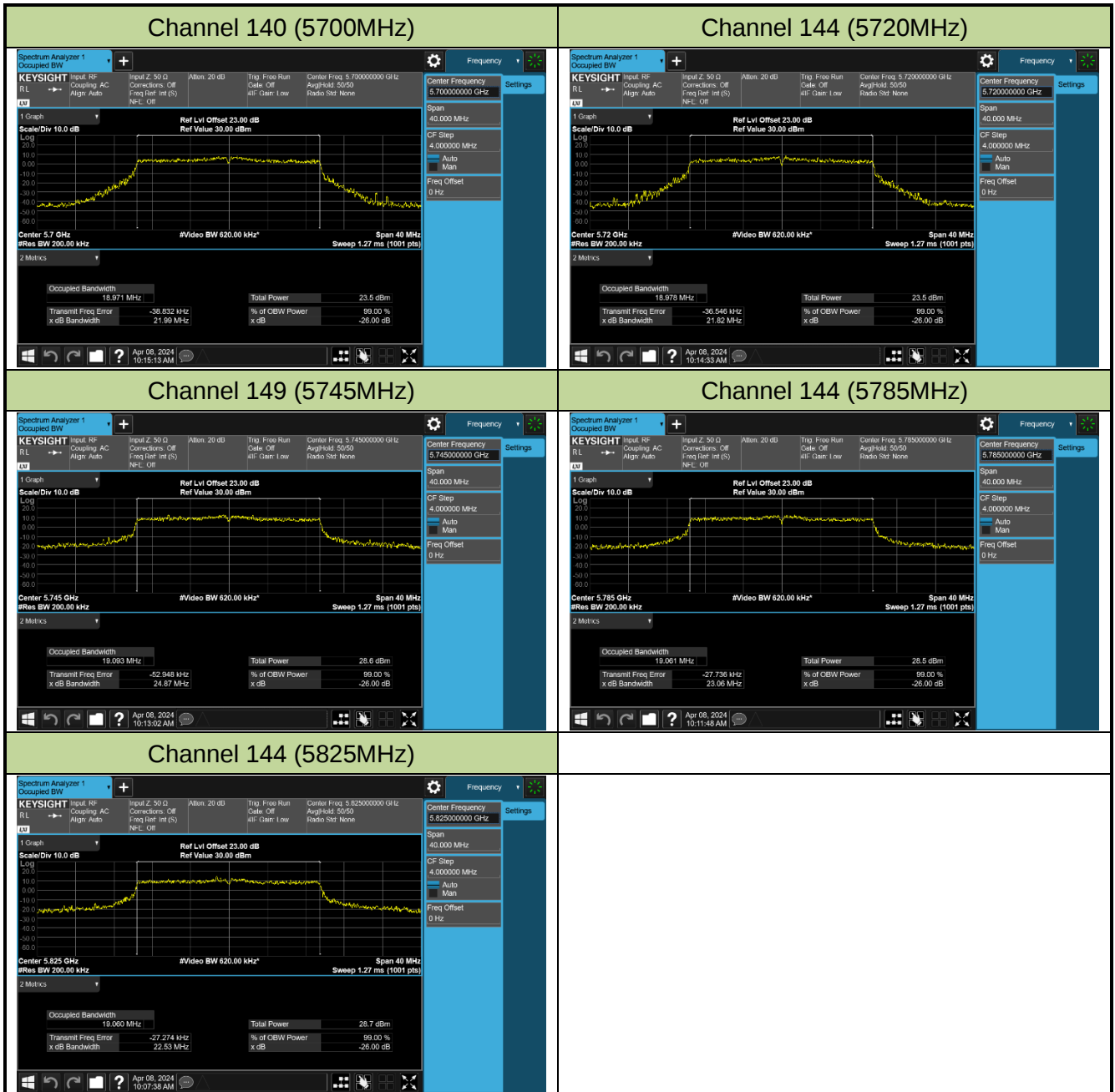


Channel 100 (5500MHz)



Channel 116 (5580MHz)



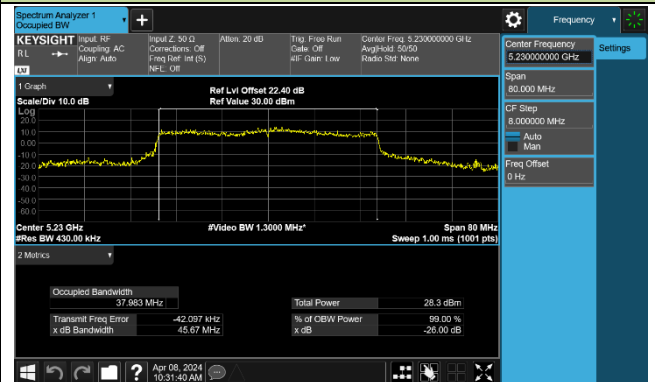


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

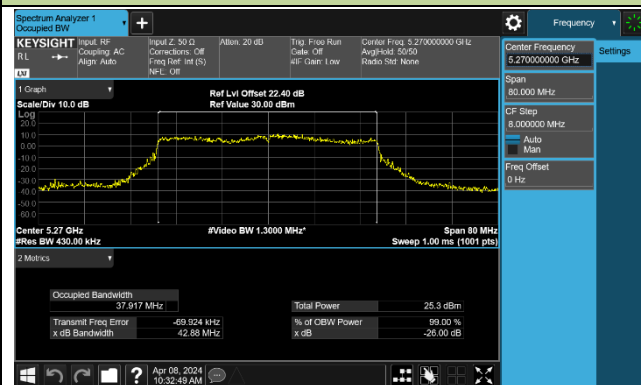
Channel 38 (5190MHz)



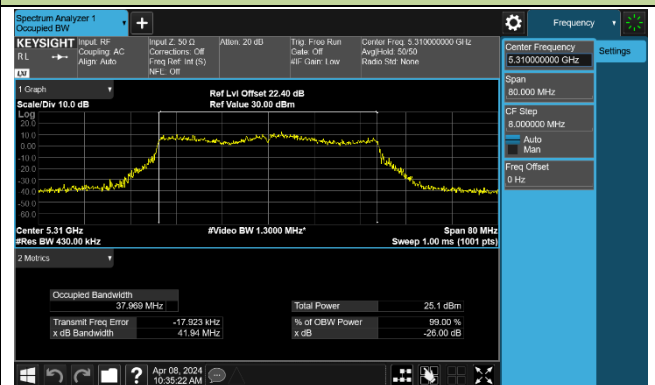
Channel 46 (5230MHz)



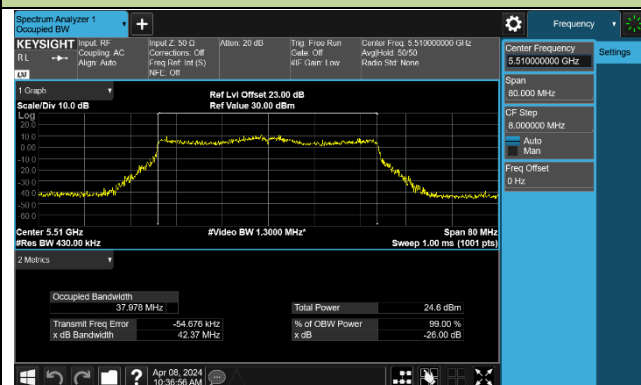
Channel 54 (5270MHz)



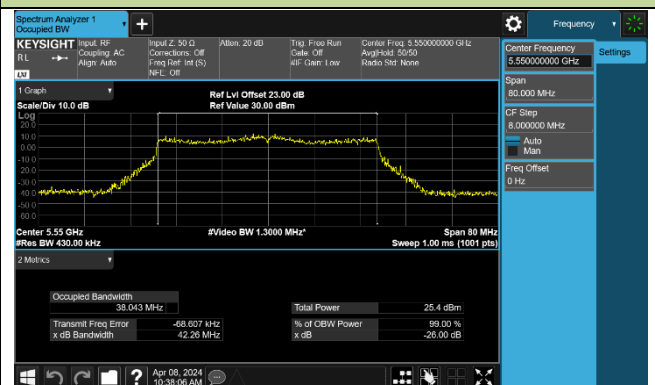
Channel 62 (5310MHz)



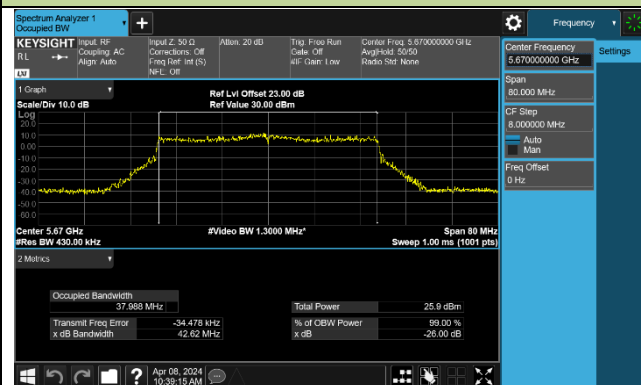
Channel 102 (5510MHz)



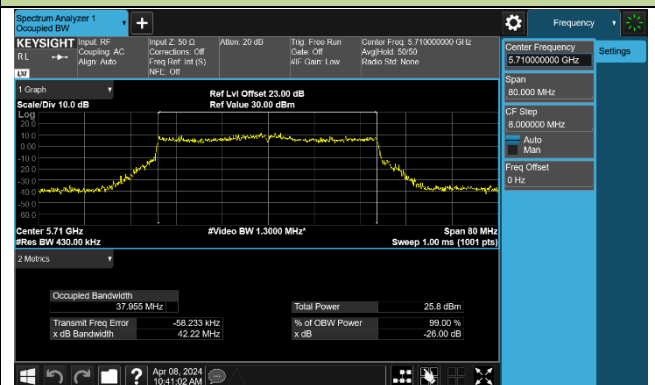
Channel 110 (5550MHz)

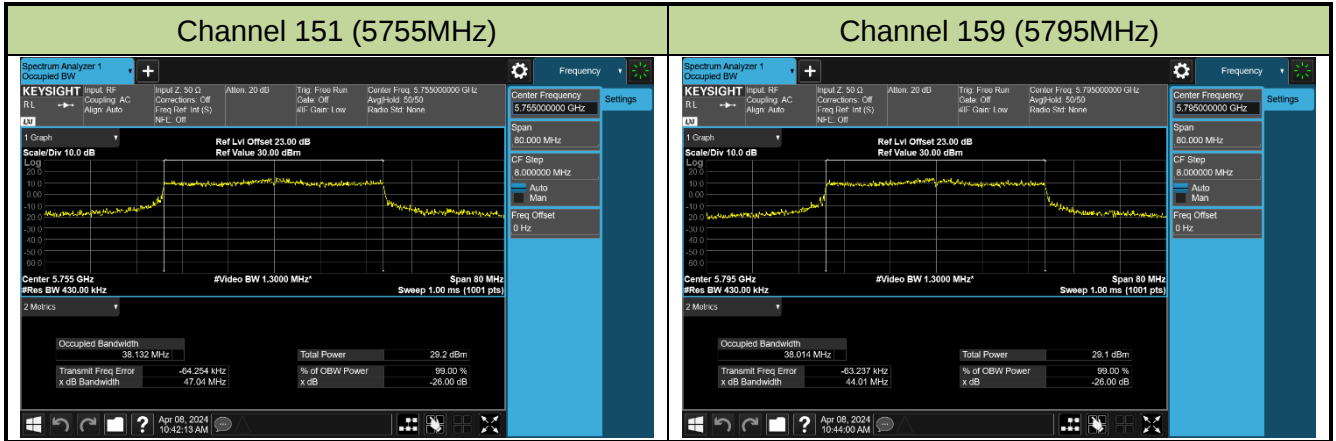


Channel 134 (5670MHz)



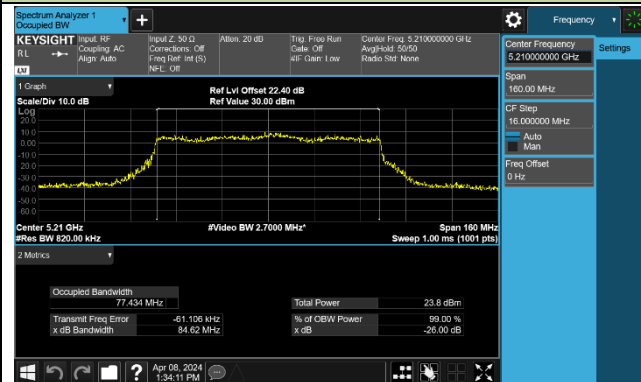
Channel 142 (5710MHz)



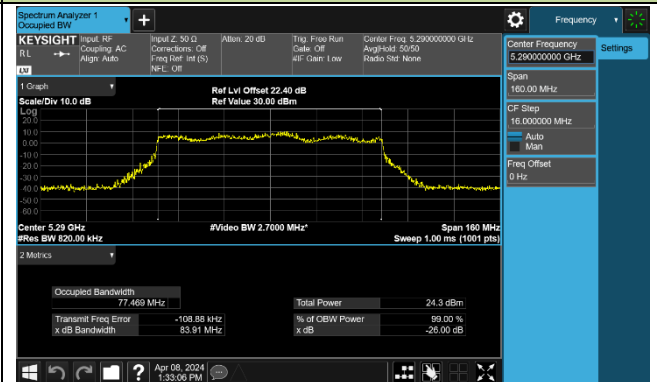


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

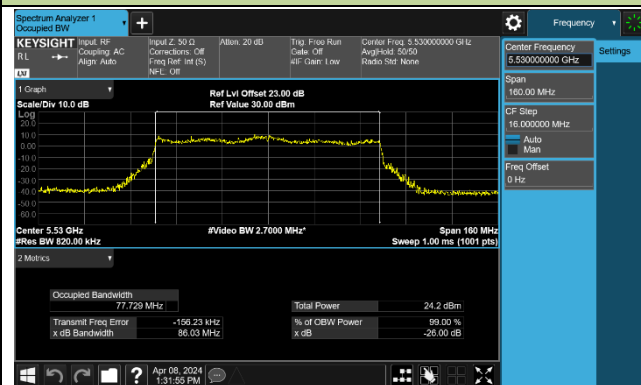
Channel 42 (5210MHz)



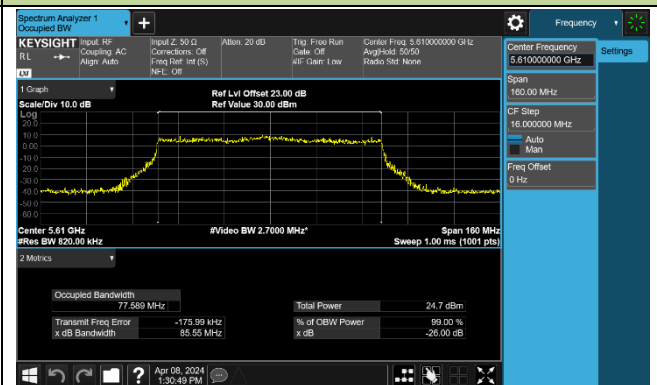
Channel 58 (5290MHz)



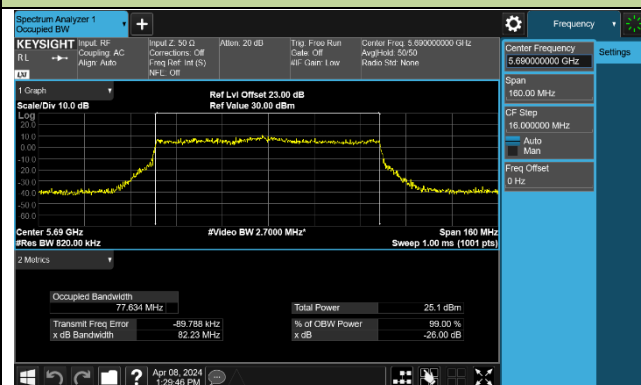
Channel 106 (5530MHz)



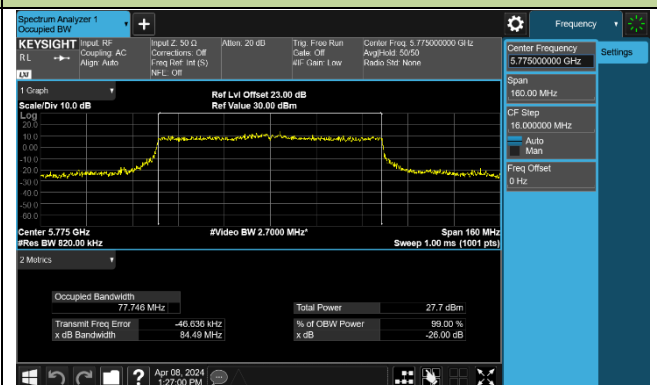
Channel 122 (5610MHz)



Channel 138 (5690MHz)

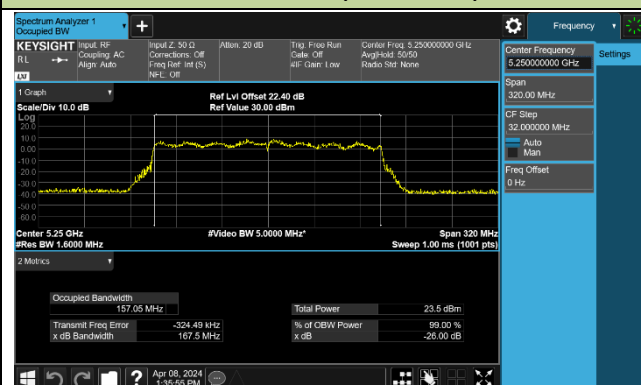


Channel 155 (5775MHz)

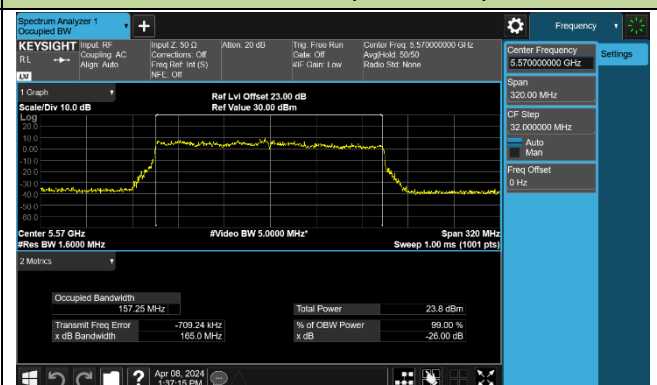


802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

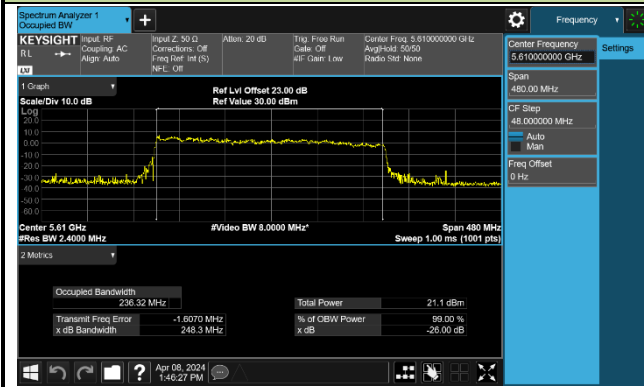


Channel 114 (5570MHz)



802.11be-EHT240 26dB Bandwidth & 99% Bandwidth

Channel 130 (5650MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

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

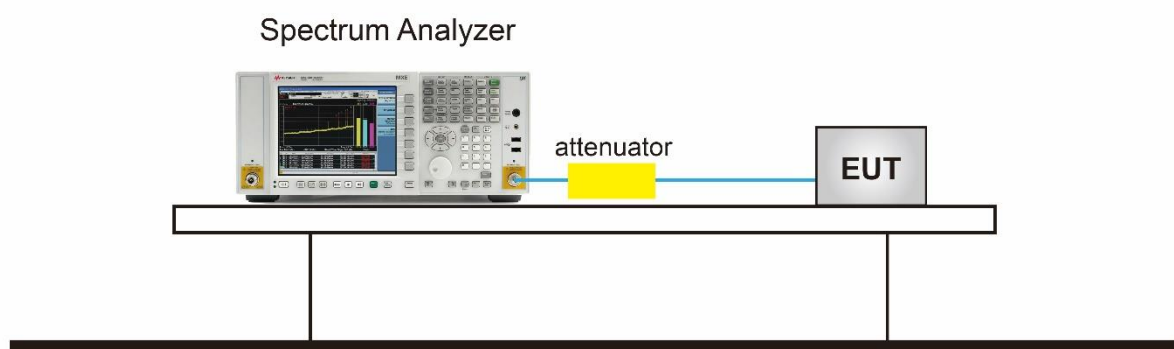
7.3.2. Test Procedure used

KDB 789033 D02v02r01- Section II(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

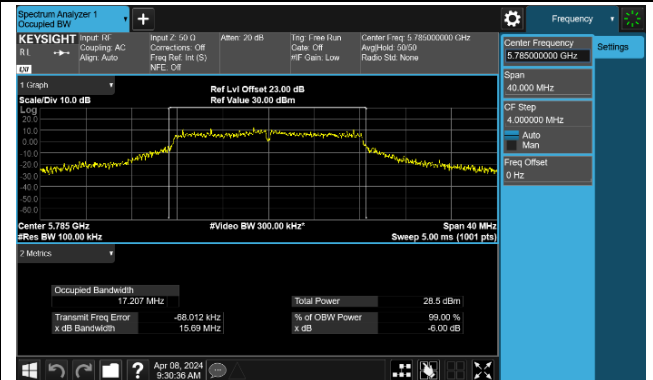


7.3.5.TestResult

Product	BE5000 Whole Home Mesh Wi-Fi 7 System	Test Engineer	Owen
Test Site	SR6	Test Date	2024/4/8

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1						
802.11a	6Mbps	149	5745	16.360	≥ 0.5	Pass
802.11a	6Mbps	157	5785	15.690	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.350	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.620	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.560	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	16.300	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.450	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.380	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.470	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	18.860	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	19.030	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	18.910	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	38.280	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.090	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	75.120	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	18.710	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	18.740	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	18.810	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	37.810	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	37.950	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	63.820	≥ 0.5	Pass

Channel 157 (5785MHz)



Spectrum Analyzer 1
KEYSIGHT Input 1, Occupied BW, R1, Coping AC, Align Auto, Input Z: 50 Ohm, Attenu: 20 dB, Corrections: Off, Pass Ref: 1 (S), NFE: Off, Trig: Free Run, Gate: Off, H-F: Cam Low, Center Freq: 5.825000000 GHz, Avg/Hz: 50/5, Radio Std: None

1 Graph
 Scale/Div 10.0 dB
 Log/20 dB
 10.0
 0.0
 -10.0
 -20.0
 -30.0
 -40.0
 -50.0
 -60.0

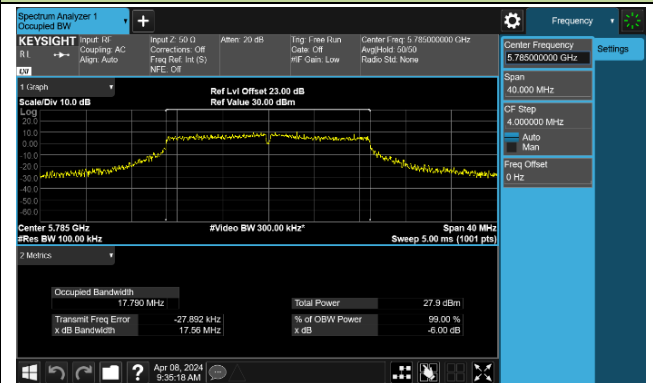
Center 5.825 GHz
 Span 40 MHz
 #Video BW 300.00 KHz
 Sweep 5.00 ms (1001 pts)

Center Frequency 5.825000000 GHz
 Span 40.000 MHz
 CF Step 4.000000 MHz
 Auto Man
 Freq Offset 0 Hz

Occupied Bandwidth 18.392 MHz
 Total Power 28.7 dBm
 Transmitt P1sig Error -6.251 KHz
 % of OBN Power 99.03
 x dB Bandwidth 16.35 MHz
 x dB Bandwidth -6.00 dB

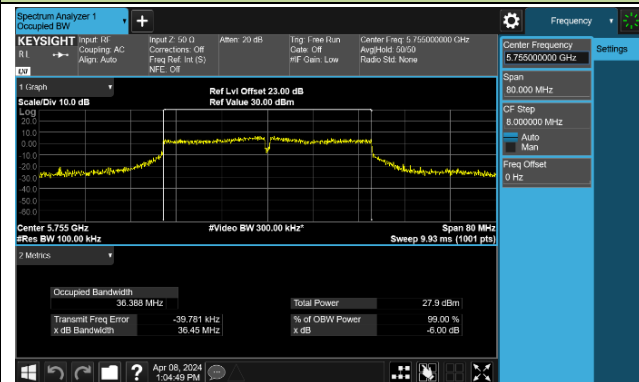
Apr 08, 2024
 9:31:58 AM

Channel 157 (5785MHz)

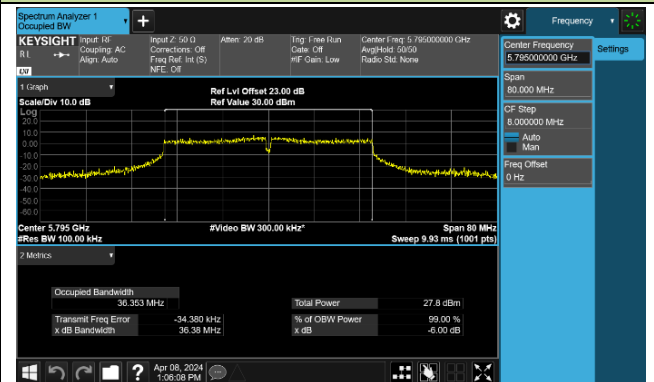


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

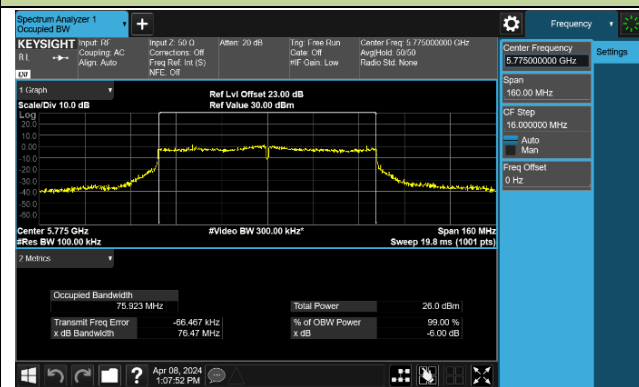


Channel 159 (5795MHz)



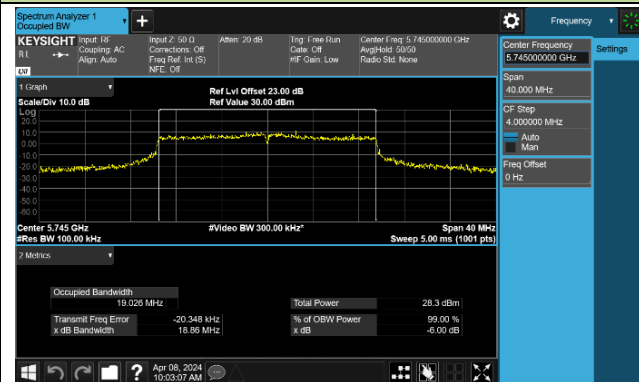
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

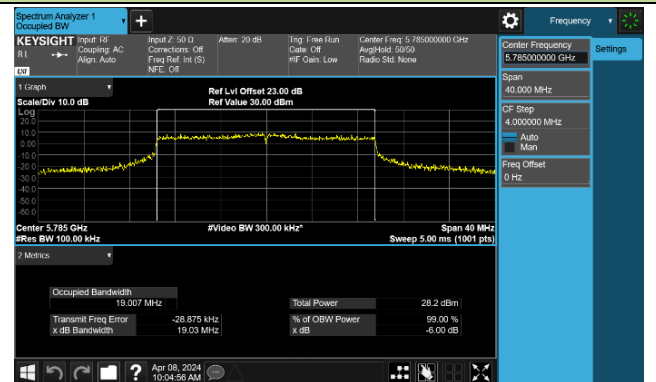


802.11ax-HE20 6dB Bandwidth

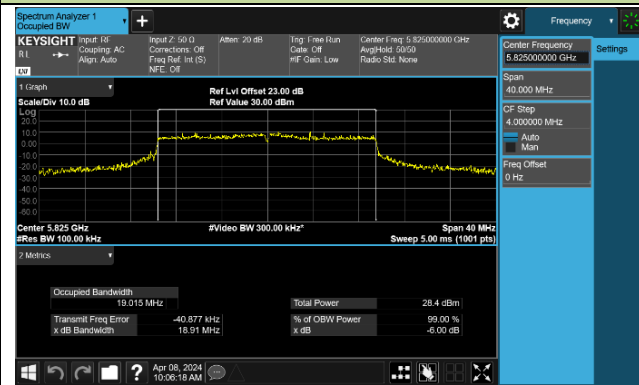
Channel 149 (5745MHz)



Channel 157 (5785MHz)

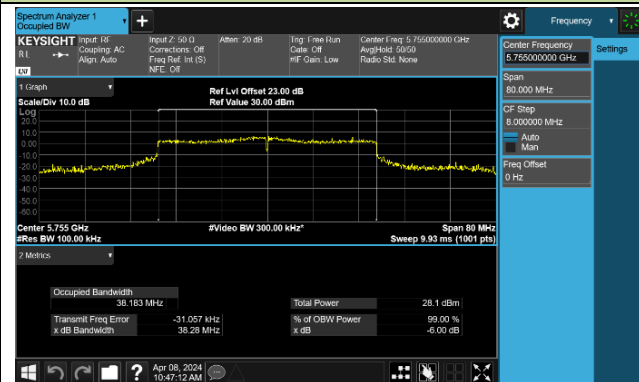


Channel 165 (5825MHz)

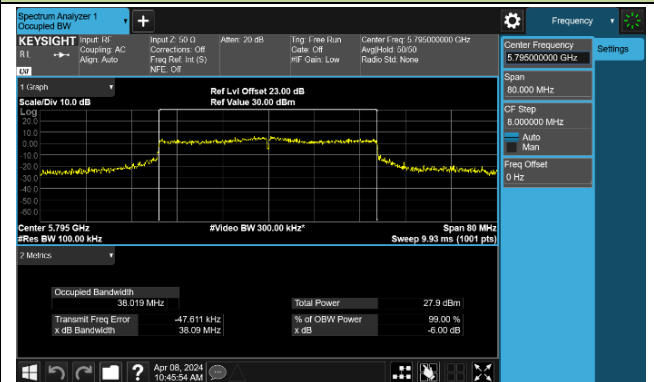


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

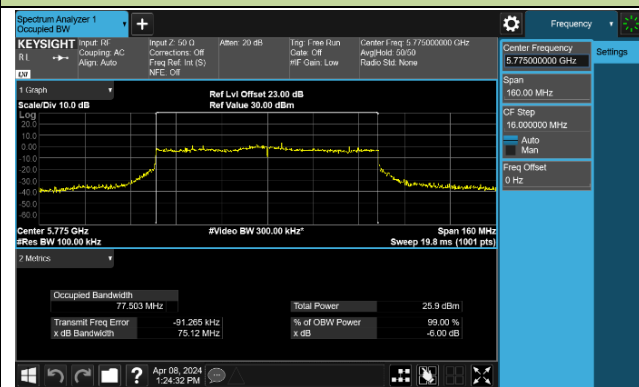


Channel 159 (5795MHz)



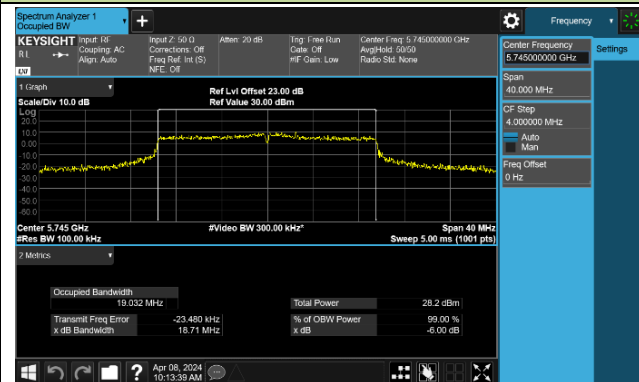
802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)

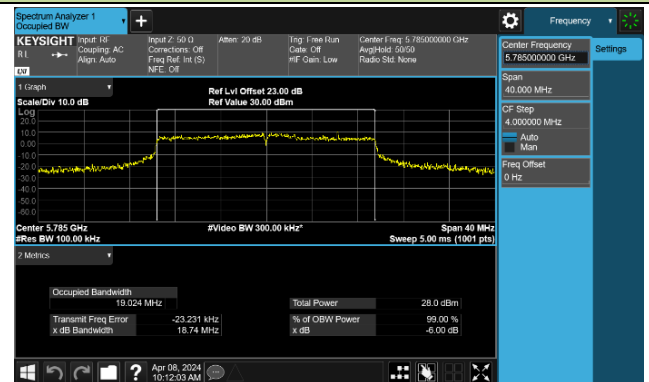


802.11be-EHT20 6dB Bandwidth

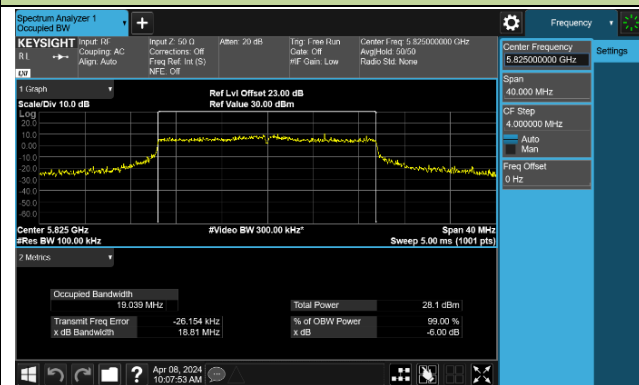
Channel 149 (5745MHz)



Channel 157 (5785MHz)

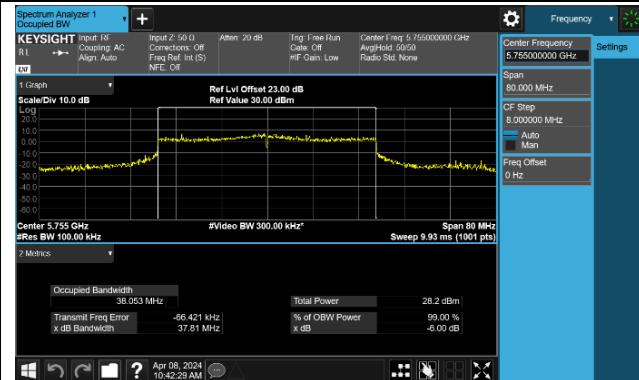


Channel 165 (5825MHz)

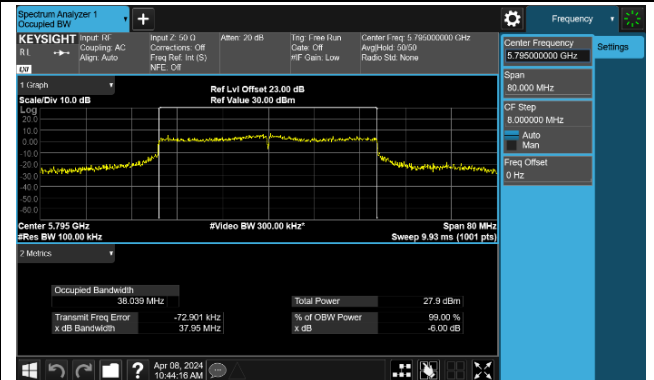


802.11be-EHT 40 6dB Bandwidth

Channel 151 (5755MHz)

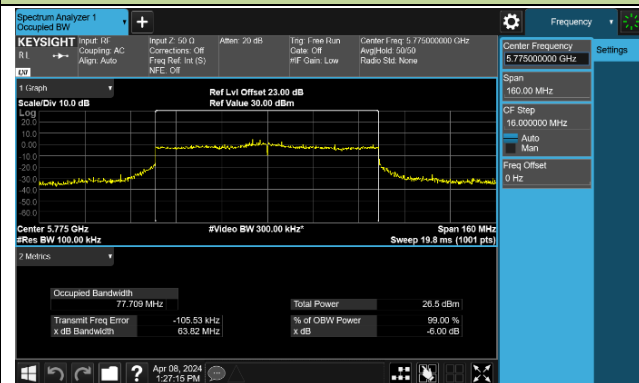


Channel 159 (5795MHz)



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.

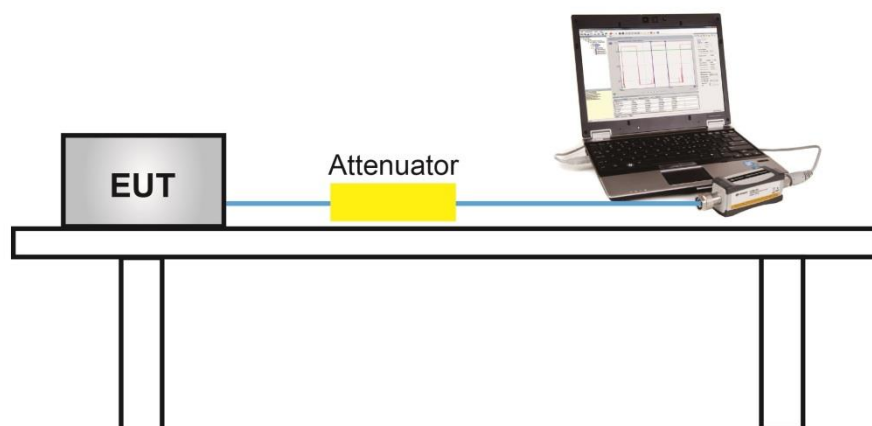
7.4.2. Test Procedure Used

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	BE5000 Whole Home Mesh Wi-Fi 7 System	Test Engineer	Owen
Test Site	SR6	Test Date	2024/3/23~2024/4/9
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)	Power Limit (dBm)	Result
11a	6Mbps	36	5180	20.18	20.06	23.13	≤ 30.00	Pass
11a	6Mbps	44	5220	23.69	23.45	26.58	≤ 30.00	Pass
11a	6Mbps	48	5240	23.81	23.46	26.65	≤ 30.00	Pass
11a	6Mbps	52	5260	18.04	18.18	21.12	≤ 23.98	Pass
11a	6Mbps	60	5300	17.75	18.04	20.91	≤ 23.98	Pass
11a	6Mbps	64	5320	17.38	17.79	20.60	≤ 23.98	Pass
11a	6Mbps	100	5500	17.94	18.86	21.43	≤ 23.98	Pass
11a	6Mbps	116	5580	18.40	18.55	21.49	≤ 23.98	Pass
11a	6Mbps	140	5700	17.91	18.76	21.37	≤ 23.98	Pass
11a	6Mbps	144	5720	18.13	18.81	21.49	≤ 23.05	Pass
11a	6Mbps	149	5745	23.71	24.32	27.04	≤ 30.00	Pass
11a	6Mbps	157	5785	24.53	24.38	27.47	≤ 30.00	Pass
11a	6Mbps	165	5825	24.24	23.98	27.12	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	20.62	20.69	23.67	≤ 30.00	Pass
11ac-VHT20	MCS0	44	5220	24.21	24.11	27.17	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.33	24.16	27.26	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	18.42	18.67	21.56	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	17.87	18.65	21.29	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	18.07	18.43	21.26	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	18.26	19.54	21.96	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	18.60	19.28	21.96	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	18.41	19.24	21.86	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	18.31	19.31	21.85	≤ 23.09	Pass
11ac-VHT20	MCS0	149	5745	24.14	24.63	27.40	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	23.94	24.43	27.20	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	23.68	24.38	27.05	≤ 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)	Power Limit (dBm)	Result
11ac-VHT40	MCS0	38	5190	19.88	19.38	22.65	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.36	24.22	27.30	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.35	20.68	23.53	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	19.69	19.74	22.73	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	19.64	20.04	22.85	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.14	20.83	23.51	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.51	20.60	23.57	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.16	21.30	23.78	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	23.57	24.53	27.09	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.09	24.22	27.17	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	19.30	19.39	22.36	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	19.09	19.34	22.23	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	19.55	20.13	22.86	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.19	20.79	23.51	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.48	20.91	23.71	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	22.51	22.88	25.71	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	19.17	19.26	22.23	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	19.25	19.40	22.34	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	21.19	21.51	24.36	≤ 30.00	Pass
11ax-HE20	MCS0	44	5220	24.38	24.30	27.35	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.49	24.22	27.37	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	18.33	18.90	21.63	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	17.42	18.35	20.92	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	17.95	18.72	21.36	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	18.28	19.66	22.03	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	18.61	19.48	22.08	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	17.91	18.13	21.03	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	18.49	19.53	22.05	≤ 23.02	Pass
11ax-HE20	MCS0	149	5745	24.25	24.62	27.45	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	24.17	24.47	27.33	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.97	24.55	27.28	≤ 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)	Power Limit (dBm)	Result
11ax-HE40	MCS0	38	5190	19.02	18.82	21.93	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.26	23.85	27.07	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.50	20.72	23.62	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	19.26	19.63	22.46	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	19.16	19.87	22.54	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.56	21.10	23.85	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	20.53	21.21	23.89	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.08	20.94	23.54	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	23.68	24.44	27.09	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	24.08	24.30	27.20	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	19.25	19.38	22.33	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	19.51	19.63	22.58	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	19.51	20.03	22.79	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.52	20.61	23.58	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.37	20.82	23.61	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	22.37	22.98	25.70	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	19.50	19.12	22.32	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	19.29	19.82	22.57	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	21.75	21.98	24.88	≤ 30.00	Pass
11be-EHT20	MCS0	44	5220	24.15	24.17	27.17	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	24.06	24.12	27.10	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	18.29	18.94	21.64	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	17.69	18.31	21.02	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	17.50	18.11	20.83	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	17.77	19.03	21.46	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	18.51	19.30	21.93	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	18.63	19.22	21.95	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	18.59	19.39	22.02	≤ 23.02	Pass
11be-EHT20	MCS0	149	5745	24.11	24.21	27.17	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	24.27	24.64	27.47	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	24.07	24.53	27.32	≤ 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)	Power Limit (dBm)	Result
11be-EHT40	MCS0	38	5190	19.37	19.17	22.28	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	23.68	24.35	27.04	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.19	20.90	23.57	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	19.26	19.56	22.42	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	19.13	19.89	22.54	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	19.82	21.20	23.57	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	20.23	21.25	23.78	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.29	21.28	23.82	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	23.82	24.50	27.18	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	24.00	24.29	27.16	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	19.39	19.44	22.43	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	19.40	19.62	22.52	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	19.36	20.09	22.75	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.37	20.88	23.64	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.71	20.89	23.81	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	22.93	23.41	26.19	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	19.70	19.58	22.65	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	19.42	19.83	22.64	≤ 23.98	Pass
11be-EHT240	MCS0	130	5650	17.26	17.76	20.53	≤ 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) = $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2)$

Product	BE5000 Whole Home Mesh Wi-Fi 7 System	Test Engineer	Owen
Test Site	SR6	Test Date	2024/3/23~2024/4/9
Test Mode	Beamforming Mode		

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ac-VHT20	MCS0	36	5180	20.62	20.69	23.67	≤ 29.99	Pass
11ac-VHT20	MCS0	44	5220	24.21	24.11	27.17	≤ 29.99	Pass
11ac-VHT20	MCS0	48	5240	24.33	24.16	27.26	≤ 29.99	Pass
11ac-VHT20	MCS0	52	5260	18.42	18.67	21.56	≤ 23.97	Pass
11ac-VHT20	MCS0	60	5300	17.87	18.65	21.29	≤ 23.97	Pass
11ac-VHT20	MCS0	64	5320	18.07	18.43	21.26	≤ 23.97	Pass
11ac-VHT20	MCS0	100	5500	18.26	19.54	21.96	≤ 23.97	Pass
11ac-VHT20	MCS0	116	5580	18.60	19.28	21.96	≤ 23.97	Pass
11ac-VHT20	MCS0	140	5700	18.41	19.24	21.86	≤ 23.97	Pass
11ac-VHT20	MCS0	144	5720	18.31	19.31	21.85	≤ 23.08	Pass
11ac-VHT20	MCS0	149	5745	24.14	24.63	27.40	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	23.94	24.43	27.20	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	23.68	24.38	27.05	≤ 29.99	Pass
11ac-VHT40	MCS0	38	5190	19.88	19.38	22.65	≤ 29.99	Pass
11ac-VHT40	MCS0	46	5230	24.36	24.22	27.30	≤ 29.99	Pass
11ac-VHT40	MCS0	54	5270	20.35	20.68	23.53	≤ 23.97	Pass
11ac-VHT40	MCS0	62	5310	19.69	19.74	22.73	≤ 23.97	Pass
11ac-VHT40	MCS0	102	5510	19.64	20.04	22.85	≤ 23.97	Pass
11ac-VHT40	MCS0	110	5550	20.14	20.83	23.51	≤ 23.97	Pass
11ac-VHT40	MCS0	134	5670	20.51	20.60	23.57	≤ 23.97	Pass
11ac-VHT40	MCS0	142	5710	20.16	21.30	23.78	≤ 23.97	Pass
11ac-VHT40	MCS0	151	5755	23.57	24.53	27.09	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	24.09	24.22	27.17	≤ 29.99	Pass
11ac-VHT80	MCS0	42	5210	19.30	19.39	22.36	≤ 29.99	Pass
11ac-VHT80	MCS0	58	5290	19.09	19.34	22.23	≤ 23.97	Pass
11ac-VHT80	MCS0	106	5530	19.55	20.13	22.86	≤ 23.97	Pass
11ac-VHT80	MCS0	122	5610	20.19	20.79	23.51	≤ 23.97	Pass
11ac-VHT80	MCS0	138	5690	20.48	20.91	23.71	≤ 23.97	Pass
11ac-VHT80	MCS0	155	5775	22.51	22.88	25.71	≤ 29.99	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ac-VHT160	MCS0	50	5250	19.17	19.26	22.23	≤ 23.97	Pass
11ac-VHT160	MCS0	114	5570	19.25	19.40	22.34	≤ 23.97	Pass
11ax-HE20	MCS0	36	5180	21.19	21.51	24.36	≤ 29.99	Pass
11ax-HE20	MCS0	44	5220	24.38	24.30	27.35	≤ 29.99	Pass
11ax-HE20	MCS0	48	5240	24.49	24.22	27.37	≤ 29.99	Pass
11ax-HE20	MCS0	52	5260	18.33	18.90	21.63	≤ 23.97	Pass
11ax-HE20	MCS0	60	5300	17.42	18.35	20.92	≤ 23.97	Pass
11ax-HE20	MCS0	64	5320	17.95	18.72	21.36	≤ 23.97	Pass
11ax-HE20	MCS0	100	5500	18.28	19.66	22.03	≤ 23.97	Pass
11ax-HE20	MCS0	116	5580	18.61	19.48	22.08	≤ 23.97	Pass
11ax-HE20	MCS0	140	5700	17.91	18.13	21.03	≤ 23.97	Pass
11ax-HE20	MCS0	144	5720	18.49	19.53	22.05	≤ 23.01	Pass
11ax-HE20	MCS0	149	5745	24.25	24.62	27.45	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	24.17	24.47	27.33	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	23.97	24.55	27.28	≤ 29.99	Pass
11ax-HE40	MCS0	38	5190	19.02	18.82	21.93	≤ 29.99	Pass
11ax-HE40	MCS0	46	5230	24.26	23.85	27.07	≤ 29.99	Pass
11ax-HE40	MCS0	54	5270	20.50	20.72	23.62	≤ 29.98	Pass
11ax-HE40	MCS0	62	5310	19.26	19.63	22.46	≤ 29.98	Pass
11ax-HE40	MCS0	102	5510	19.16	19.87	22.54	≤ 29.97	Pass
11ax-HE40	MCS0	110	5550	20.56	21.10	23.85	≤ 29.97	Pass
11ax-HE40	MCS0	134	5670	20.53	21.21	23.89	≤ 29.97	Pass
11ax-HE40	MCS0	142	5710	20.08	20.94	23.54	≤ 29.97	Pass
11ax-HE40	MCS0	151	5755	23.68	24.44	27.09	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	24.08	24.30	27.20	≤ 29.99	Pass
11ax-HE80	MCS0	42	5210	19.25	19.38	22.33	≤ 29.99	Pass
11ax-HE80	MCS0	58	5290	19.51	19.63	22.58	≤ 29.98	Pass
11ax-HE80	MCS0	106	5530	19.51	20.03	22.79	≤ 23.97	Pass
11ax-HE80	MCS0	122	5610	20.52	20.61	23.58	≤ 23.97	Pass
11ax-HE80	MCS0	138	5690	20.37	20.82	23.61	≤ 23.97	Pass
11ax-HE80	MCS0	155	5775	22.37	22.98	25.70	≤ 29.99	Pass
11ax-HE160	MCS0	50	5250	19.50	19.12	22.32	≤ 23.97	Pass
11ax-HE160	MCS0	114	5570	19.29	19.82	22.57	≤ 23.97	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11be-EHT20	MCS0	36	5180	21.75	21.98	24.88	≤ 29.99	Pass
11be-EHT20	MCS0	44	5220	24.15	24.17	27.17	≤ 29.99	Pass
11be-EHT20	MCS0	48	5240	24.06	24.12	27.10	≤ 29.99	Pass
11be-EHT20	MCS0	52	5260	18.29	18.94	21.64	≤ 23.97	Pass
11be-EHT20	MCS0	60	5300	17.69	18.31	21.02	≤ 23.97	Pass
11be-EHT20	MCS0	64	5320	17.50	18.11	20.83	≤ 23.97	Pass
11be-EHT20	MCS0	100	5500	17.77	19.03	21.46	≤ 23.97	Pass
11be-EHT20	MCS0	116	5580	18.51	19.30	21.93	≤ 23.97	Pass
11be-EHT20	MCS0	140	5700	18.63	19.22	21.95	≤ 23.97	Pass
11be-EHT20	MCS0	144	5720	18.59	19.39	22.02	≤ 23.01	Pass
11be-EHT20	MCS0	149	5745	24.11	24.21	27.17	≤ 29.99	Pass
11be-EHT20	MCS0	157	5785	24.27	24.64	27.47	≤ 29.99	Pass
11be-EHT20	MCS0	165	5825	24.07	24.53	27.32	≤ 29.99	Pass
11be-EHT40	MCS0	38	5190	19.37	19.17	22.28	≤ 29.99	Pass
11be-EHT40	MCS0	46	5230	23.68	24.35	27.04	≤ 29.99	Pass
11be-EHT40	MCS0	54	5270	20.19	20.90	23.57	≤ 23.97	Pass
11be-EHT40	MCS0	62	5310	19.26	19.56	22.42	≤ 23.97	Pass
11be-EHT40	MCS0	102	5510	19.13	19.89	22.54	≤ 23.97	Pass
11be-EHT40	MCS0	110	5550	19.82	21.20	23.57	≤ 23.97	Pass
11be-EHT40	MCS0	134	5670	20.23	21.25	23.78	≤ 23.97	Pass
11be-EHT40	MCS0	142	5710	20.29	21.28	23.82	≤ 23.97	Pass
11be-EHT40	MCS0	151	5755	23.82	24.50	27.18	≤ 29.99	Pass
11be-EHT40	MCS0	159	5795	24.00	24.29	27.16	≤ 29.99	Pass
11be-EHT80	MCS0	42	5210	19.39	19.44	22.43	≤ 29.99	Pass
11be-EHT80	MCS0	58	5290	19.40	19.62	22.52	≤ 23.97	Pass
11be-EHT80	MCS0	106	5530	19.36	20.09	22.75	≤ 23.97	Pass
11be-EHT80	MCS0	122	5610	20.37	20.88	23.64	≤ 23.97	Pass
11be-EHT80	MCS0	138	5690	20.71	20.89	23.81	≤ 23.97	Pass
11be-EHT80	MCS0	155	5775	22.93	23.41	26.19	≤ 29.99	Pass
11be-EHT160	MCS0	50	5250	19.70	19.58	22.65	≤ 23.97	Pass
11be-EHT160	MCS0	114	5570	19.42	19.83	22.64	≤ 23.97	Pass
11be-EHT240	MCS0	130	5650	17.26	17.76	20.53	≤ 23.97	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 5125 - 5250MHz Band: Average Power Limit (dBm) = $30 - (6.01 - 6) = 29.99\text{dBm}$

For 5250 - 5350MHz and 5470 - 5725MHz Bands: Average Power Limit (dBm) = $23.98 - (6.01 - 6) = 23.97\text{dBm}$.

For 5725 - 5850MHz Band: Average Power Limit (dBm) = $30 - (6.01 - 6) = 29.99\text{dBm}$

For Channel 144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2) - (8.52 - 6)$

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.

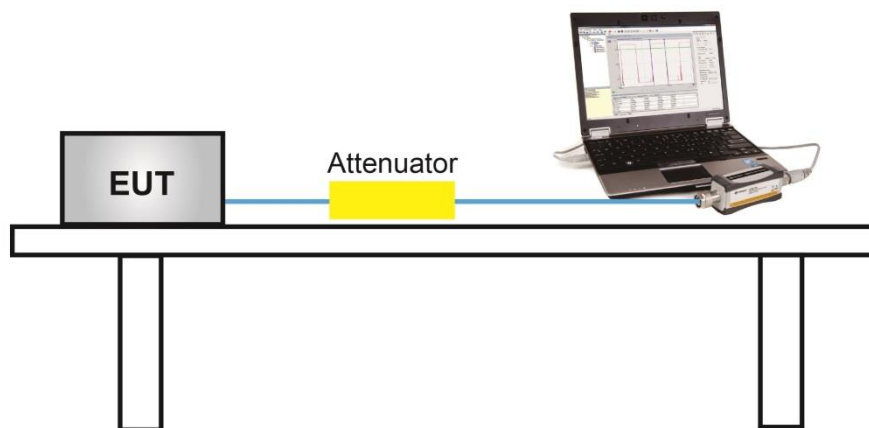
7.5.2. Test Procedure Used

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.

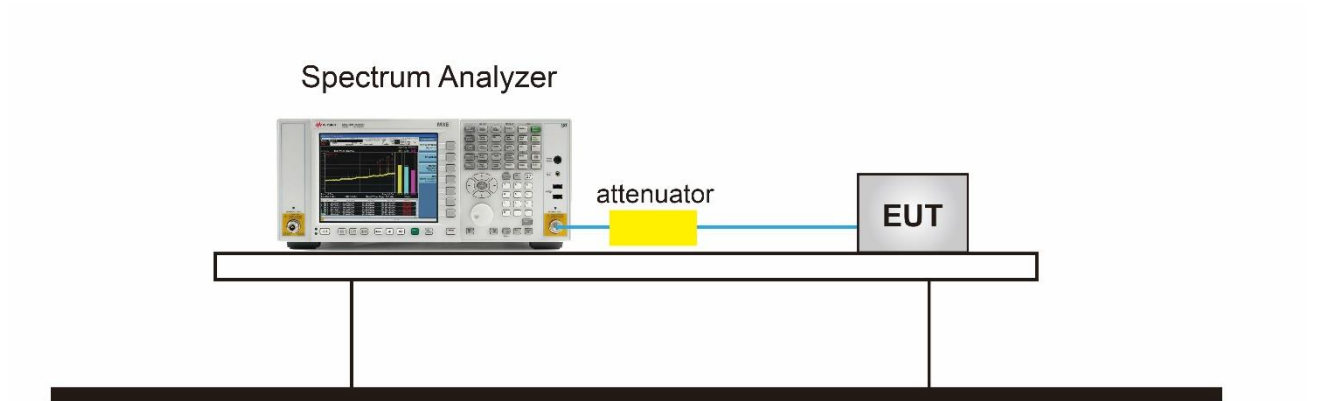
7.6.2. Test Procedure Used

KDB 789033 D02v02r01-Section II)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 Whole Home Mesh Wi-Fi 7 System	Test Engineer	Owen
Test Site	SR6	Test Date	2024/3/23~2024/4/9
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	8.963	10.102	99.20%	12.615	≤ 16.99	Pass
11a	6Mbps	44	5220	12.841	14.076	99.20%	16.547	≤ 16.99	Pass
11a	6Mbps	48	5240	13.015	14.073	99.20%	16.621	≤ 16.99	Pass
11a	6Mbps	52	5260	7.216	7.738	99.20%	10.530	≤ 10.99	Pass
11a	6Mbps	60	5300	7.388	8.035	99.20%	10.769	≤ 10.99	Pass
11a	6Mbps	64	5320	7.272	7.870	99.20%	10.626	≤ 10.99	Pass
11a	6Mbps	100	5500	7.103	8.542	99.20%	10.927	≤ 10.99	Pass
11a	6Mbps	116	5580	7.125	8.219	99.20%	10.752	≤ 10.99	Pass
11a	6Mbps	140	5700	7.351	7.696	99.20%	10.572	≤ 10.99	Pass
11a	6Mbps	144	5720	7.166	7.903	99.20%	10.595	≤ 10.99	Pass
11ac-VHT20	MCS0	36	5180	9.164	9.898	96.97%	12.690	≤ 16.99	Pass
11ac-VHT20	MCS0	40	5220	13.043	13.062	96.97%	16.196	≤ 16.99	Pass
11ac-VHT20	MCS0	48	5240	13.307	13.103	96.97%	16.350	≤ 16.99	Pass
11ac-VHT20	MCS0	52	5260	7.194	8.024	96.97%	10.773	≤ 10.99	Pass
11ac-VHT20	MCS0	60	5300	7.057	8.255	96.97%	10.841	≤ 10.99	Pass
11ac-VHT20	MCS0	64	5320	7.253	8.183	96.97%	10.887	≤ 10.99	Pass
11ac-VHT20	MCS0	100	5500	6.630	8.608	96.97%	10.875	≤ 10.99	Pass
11ac-VHT20	MCS0	116	5580	6.788	8.038	96.97%	10.602	≤ 10.99	Pass
11ac-VHT20	MCS0	140	5700	6.815	8.358	96.97%	10.799	≤ 10.99	Pass
11ac-VHT20	MCS0	144	5720	7.064	8.291	96.97%	10.865	≤ 10.99	Pass
11ac-VHT40	MCS0	38	5190	5.782	6.224	96.26%	9.184	≤ 16.99	Pass
11ac-VHT40	MCS0	46	5230	10.338	10.174	96.26%	13.433	≤ 16.99	Pass
11ac-VHT40	MCS0	54	5270	7.355	7.537	96.26%	10.623	≤ 10.99	Pass
11ac-VHT40	MCS0	62	5310	6.908	7.974	96.26%	10.649	≤ 10.99	Pass
11ac-VHT40	MCS0	102	5510	6.314	7.932	96.26%	10.374	≤ 10.99	Pass
11ac-VHT40	MCS0	110	5550	6.282	7.334	96.26%	10.016	≤ 10.99	Pass
11ac-VHT40	MCS0	134	5670	6.916	7.361	96.26%	10.320	≤ 10.99	Pass
11ac-VHT40	MCS0	142	5710	7.394	8.035	96.26%	10.902	≤ 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-VHT80	MCS0	42	5210	3.244	3.340	96.44%	6.460	≤ 16.99	Pass
11ac-VHT80	MCS0	58	5290	3.363	4.041	96.44%	6.883	≤ 10.99	Pass
11ac-VHT80	MCS0	106	5530	3.332	4.713	96.44%	7.245	≤ 10.99	Pass
11ac-VHT80	MCS0	122	5610	3.930	4.298	96.44%	7.286	≤ 10.99	Pass
11ac-VHT80	MCS0	138	5690	3.931	4.773	96.44%	7.540	≤ 10.99	Pass
11ac-VHT160	MCS0	50	5250	-1.067	0.624	97.66%	2.973	≤ 10.99	Pass
11ac-VHT160	MCS0	114	5570	-0.415	0.664	97.66%	3.271	≤ 10.99	Pass
11ax-HE20	MCS0	36	5180	9.424	10.427	97.49%	13.075	≤ 16.99	Pass
11ax-HE20	MCS0	44	5220	12.743	12.857	97.49%	15.921	≤ 16.99	Pass
11ax-HE20	MCS0	48	5240	13.074	13.029	97.49%	16.172	≤ 16.99	Pass
11ax-HE20	MCS0	52	5260	7.143	7.904	97.49%	10.661	≤ 10.99	Pass
11ax-HE20	MCS0	60	5300	6.676	8.030	97.49%	10.526	≤ 10.99	Pass
11ax-HE20	MCS0	64	5320	6.882	8.230	97.49%	10.729	≤ 10.99	Pass
11ax-HE20	MCS0	100	5500	6.810	8.476	97.49%	10.843	≤ 10.99	Pass
11ax-HE20	MCS0	116	5580	6.929	8.056	97.49%	10.650	≤ 10.99	Pass
11ax-HE20	MCS0	140	5700	6.960	7.817	97.49%	10.530	≤ 10.99	Pass
11ax-HE20	MCS0	144	5720	6.689	8.255	97.49%	10.663	≤ 10.99	Pass
11ax-HE40	MCS0	38	5190	5.450	5.862	97.32%	8.789	≤ 16.99	Pass
11ax-HE40	MCS0	46	5230	10.340	10.197	97.32%	13.397	≤ 16.99	Pass
11ax-HE40	MCS0	54	5270	7.147	8.206	97.32%	10.837	≤ 10.99	Pass
11ax-HE40	MCS0	62	5310	6.724	8.121	97.32%	10.607	≤ 10.99	Pass
11ax-HE40	MCS0	102	5510	5.542	7.380	97.32%	9.686	≤ 10.99	Pass
11ax-HE40	MCS0	110	5550	6.473	7.965	97.32%	10.411	≤ 10.99	Pass
11ax-HE40	MCS0	134	5670	7.021	8.115	97.32%	10.731	≤ 10.99	Pass
11ax-HE40	MCS0	142	5710	6.609	8.003	97.32%	10.490	≤ 10.99	Pass
11ax-HE80	MCS0	42	5210	1.904	3.294	96.78%	5.807	≤ 16.99	Pass
11ax-HE80	MCS0	58	5290	2.651	4.337	96.78%	6.728	≤ 10.99	Pass
11ax-HE80	MCS0	106	5530	2.918	4.385	96.78%	6.866	≤ 10.99	Pass
11ax-HE80	MCS0	122	5610	3.287	4.315	96.78%	6.984	≤ 10.99	Pass
11ax-HE80	MCS0	122	5690	2.891	4.973	96.78%	7.208	≤ 10.99	Pass
11ax-HE160	MCS0	50	5250	-1.364	0.745	97.14%	2.954	≤ 10.99	Pass
11ax-HE160	MCS0	114	5570	-0.453	0.675	97.14%	3.284	≤ 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-EHT20	MCS0	36	5180	10.011	10.715	97.15%	13.513	≤ 16.99	Pass
11be-EHT20	MCS0	44	5220	12.864	12.733	97.15%	15.935	≤ 16.99	Pass
11be-EHT20	MCS0	48	5240	12.893	13.129	97.15%	16.148	≤ 16.99	Pass
11be-EHT20	MCS0	52	5260	7.039	7.873	97.15%	10.612	≤ 10.99	Pass
11be-EHT20	MCS0	60	5300	6.884	7.920	97.15%	10.569	≤ 10.99	Pass
11be-EHT20	MCS0	64	5320	6.687	8.031	97.15%	10.547	≤ 10.99	Pass
11be-EHT20	MCS0	100	5500	6.424	8.404	97.15%	10.662	≤ 10.99	Pass
11be-EHT20	MCS0	116	5580	6.996	8.236	97.15%	10.796	≤ 10.99	Pass
11be-EHT20	MCS0	140	5700	6.920	7.970	97.15%	10.613	≤ 10.99	Pass
11be-EHT20	MCS0	144	5720	6.853	8.077	97.15%	10.644	≤ 10.99	Pass
11be-EHT40	MCS0	38	5190	5.480	6.413	97.66%	9.085	≤ 16.99	Pass
11be-EHT40	MCS0	46	5230	9.765	10.268	97.66%	13.137	≤ 16.99	Pass
11be-EHT40	MCS0	54	5270	7.060	7.732	97.66%	10.522	≤ 10.99	Pass
11be-EHT40	MCS0	62	5310	6.582	7.837	97.66%	10.368	≤ 10.99	Pass
11be-EHT40	MCS0	102	5510	5.466	7.205	97.66%	9.535	≤ 10.99	Pass
11be-EHT40	MCS0	110	5550	6.422	8.273	97.66%	10.559	≤ 10.99	Pass
11be-EHT40	MCS0	134	5670	6.852	8.108	97.66%	10.638	≤ 10.99	Pass
11be-EHT40	MCS0	142	5710	6.644	8.082	97.66%	10.535	≤ 10.99	Pass
11be-EHT80	MCS0	42	5210	1.987	3.595	97.48%	5.986	≤ 16.99	Pass
11be-EHT80	MCS0	58	5290	2.992	4.552	97.48%	6.963	≤ 10.99	Pass
11be-EHT80	MCS0	106	5530	2.985	4.454	97.48%	6.902	≤ 10.99	Pass
11be-EHT80	MCS0	122	5610	3.405	4.685	97.48%	7.213	≤ 10.99	Pass
11be-EHT80	MCS0	138	5690	3.250	4.614	97.48%	7.106	≤ 10.99	Pass
11be-EHT160	MCS0	50	5250	-0.469	1.303	97.32%	3.635	≤ 10.99	Pass
11be-EHT160	MCS0	114	5570	-0.349	0.754	97.32%	3.366	≤ 10.99	Pass
11be-EHT240	MCS0	130	5650	-4.376	-2.050	96.97%	0.085	≤ 10.99	Pass

Note 1: When EUT duty cycle ≥ 98%,

the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/MHz).

When EUT duty cycle < 98%,

the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + 10 \cdot \log (1/\text{Duty Cycle})$ (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 Whole Home Mesh Wi-Fi 7 System	Test Engineer	Owen
Test Site	SR6	Test Date	2024/3/23~2024/4/9
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	10.823	11.470	99.20%	14.204	≤ 29.99	Pass
11a	6Mbps	157	5785	11.283	11.345	99.20%	14.359	≤ 29.99	Pass
11a	6Mbps	165	5825	11.362	11.635	99.20%	14.546	≤ 29.99	Pass
11ac-VHT20	MCS0	149	5745	10.017	10.943	96.97%	13.649	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	9.910	10.805	96.97%	13.524	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	10.294	10.892	96.97%	13.747	≤ 29.99	Pass
11ac-VHT40	MCS0	151	5755	7.561	8.410	96.26%	11.182	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	7.336	8.195	96.26%	10.963	≤ 29.99	Pass
11ac-VHT80	MCS0	155	5775	3.401	4.092	96.44%	6.928	≤ 29.99	Pass
11ax-HE20	MCS0	149	5745	10.331	10.772	97.49%	13.678	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	9.821	11.000	97.49%	13.571	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	10.371	10.113	97.49%	13.365	≤ 29.99	Pass
11ax-HE40	MCS0	151	5755	7.336	8.428	97.32%	11.045	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	7.515	7.769	97.32%	10.772	≤ 29.99	Pass
11ax-HE80	MCS0	155	5775	3.497	4.406	96.78%	7.128	≤ 29.99	Pass
11be-EHT20	MCS0	149	5745	10.003	10.433	97.15%	13.359	≤ 29.99	Pass
11be-EHT20	MCS0	157	5785	10.061	9.977	97.15%	13.155	≤ 29.99	Pass
11be-EHT20	MCS0	165	5825	10.560	10.397	97.15%	13.615	≤ 29.99	Pass
11be-EHT40	MCS0	151	5755	7.384	8.677	97.66%	11.192	≤ 29.99	Pass
11be-EHT40	MCS0	159	5795	7.640	7.751	97.66%	10.809	≤ 29.99	Pass
11be-EHT80	MCS0	155	5775	2.788	4.546	97.48%	6.876	≤ 29.99	Pass

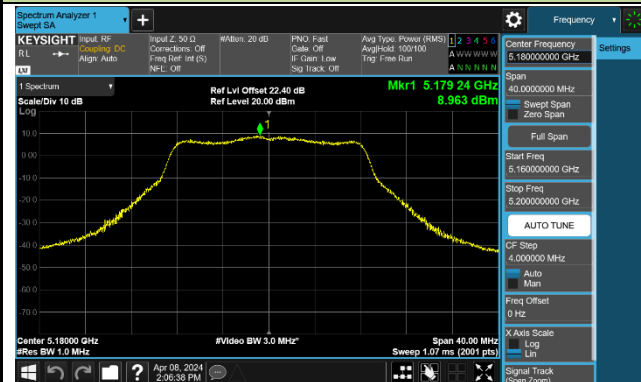
Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$ (dBm/510kHz).

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

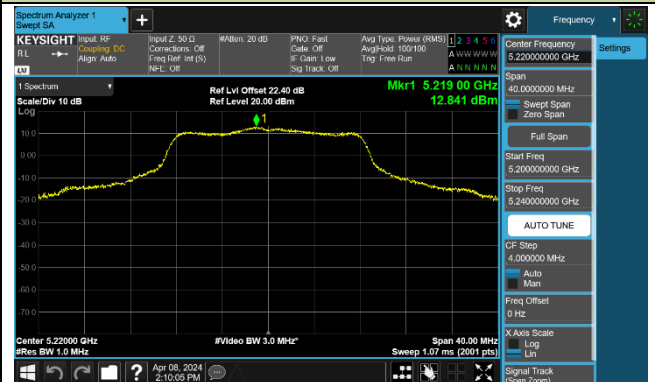
Note 2: PSD Limit (dBm/500kHz) = 30-(6.01-6)=29.99(dBm/500kHz).

802.11a Power Spectral Density - Ant 0

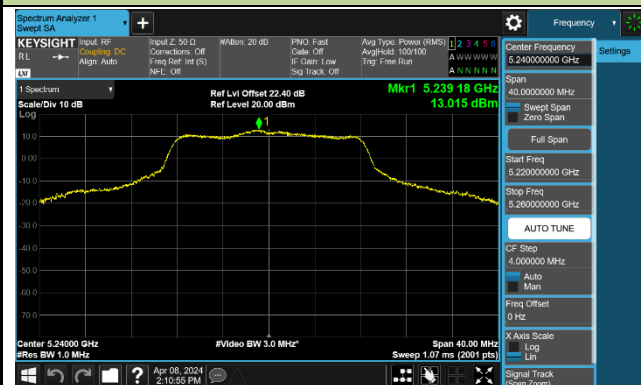
Channel 36 (5180MHz)



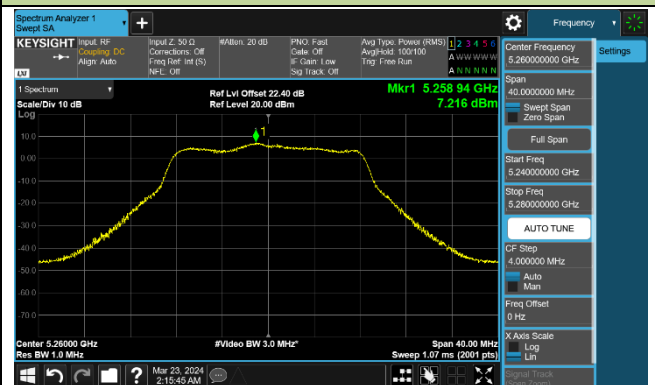
Channel 44 (5220MHz)



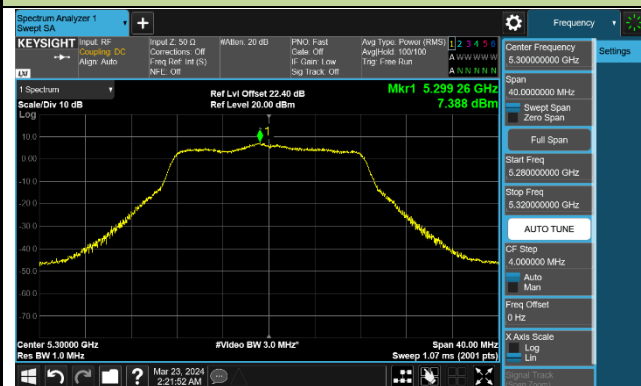
Channel 48 (5240MHz)



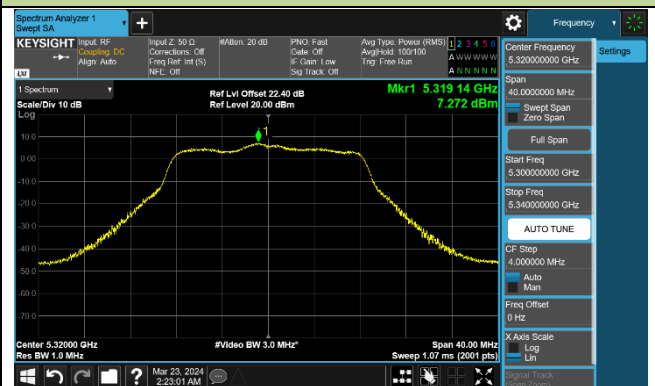
Channel 52 (5260MHz)



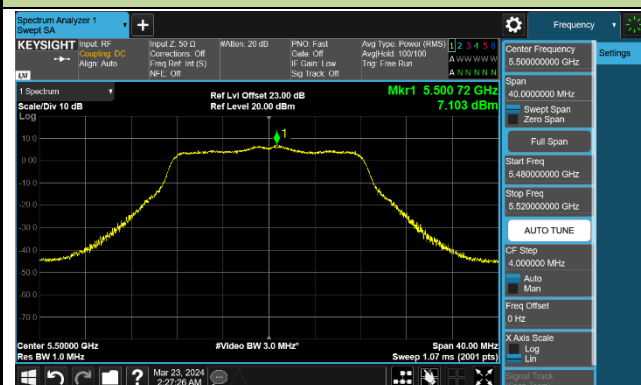
Channel 60 (5300MHz)



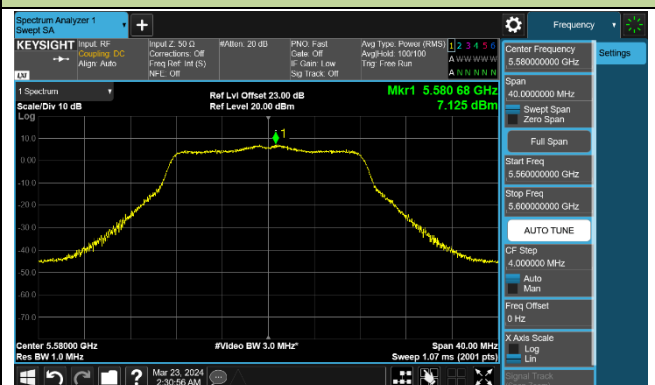
Channel 64 (5320MHz)

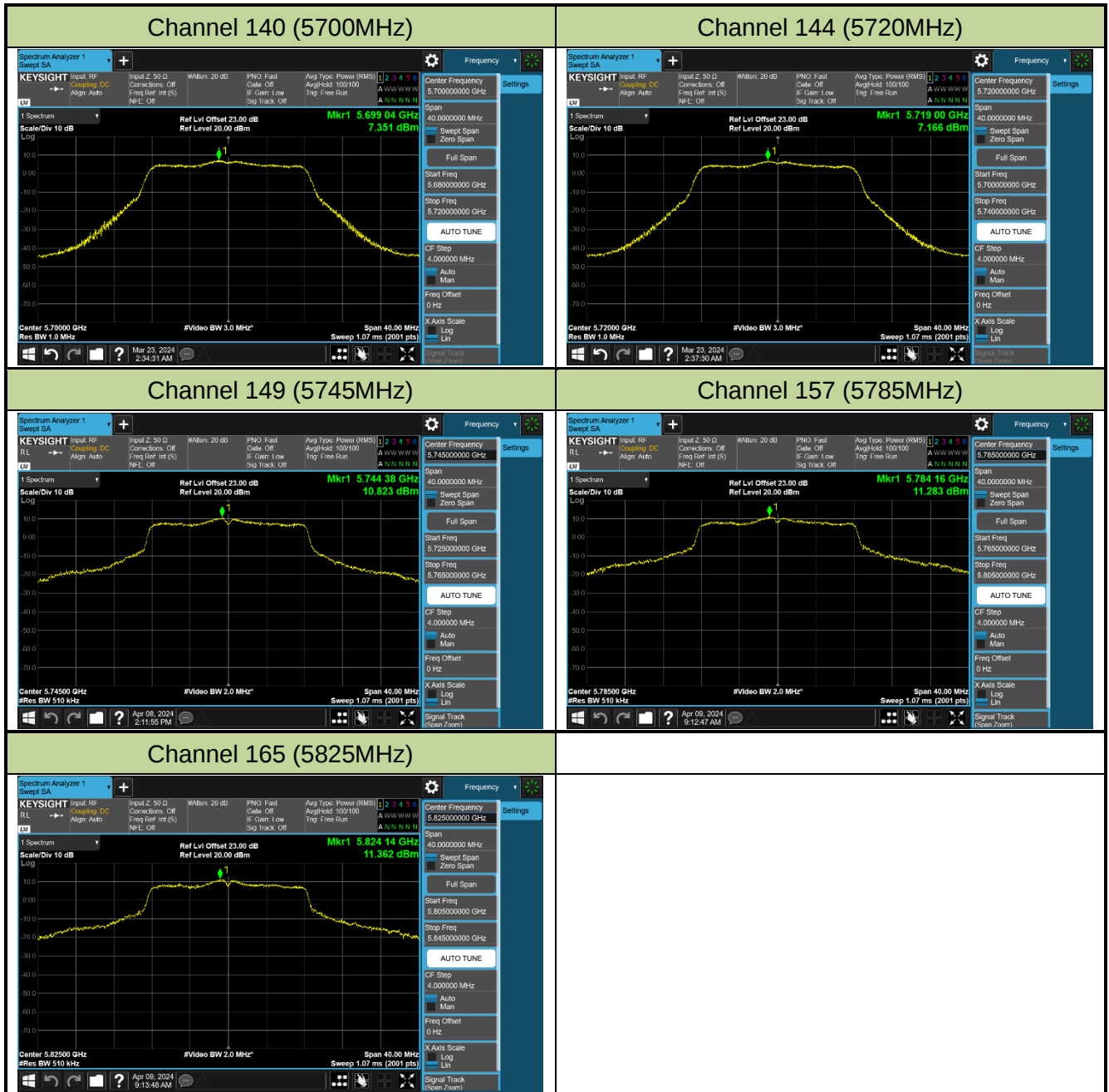


Channel 100 (5500MHz)



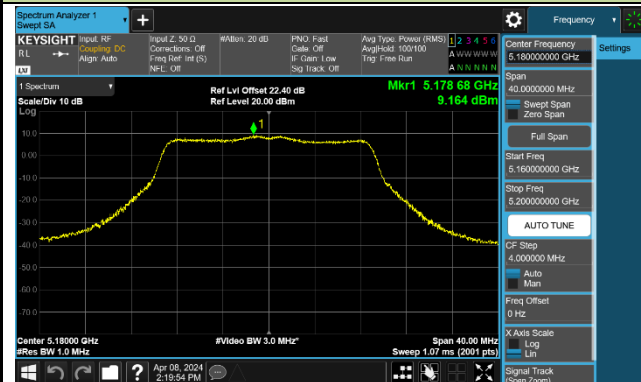
Channel 116 (5580MHz)



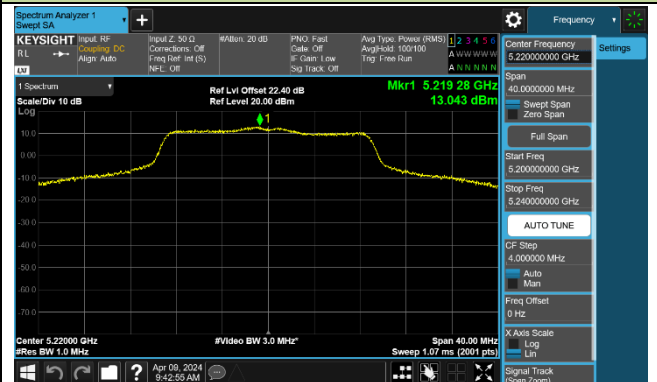


802.11ac-VHT20 Power Spectral Density - Ant 0

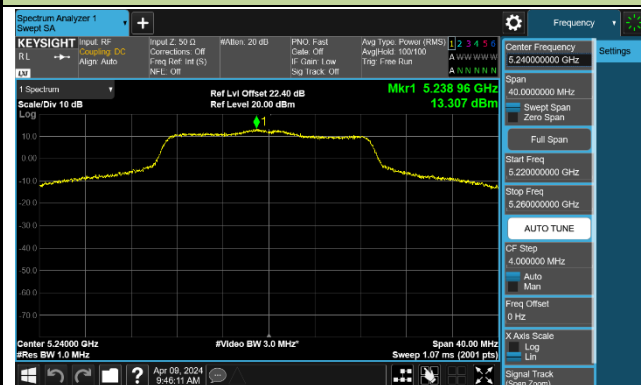
Channel 36 (5180MHz)



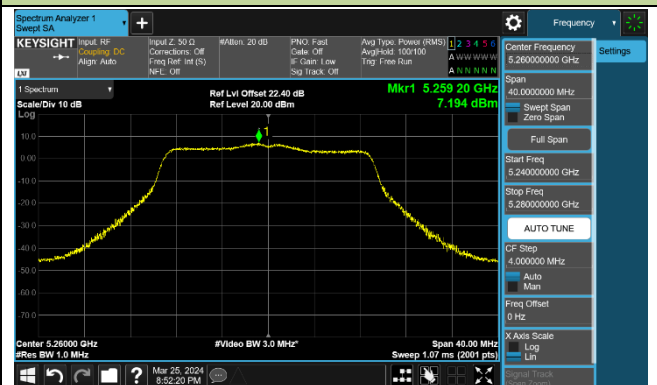
Channel 44 (5220MHz)



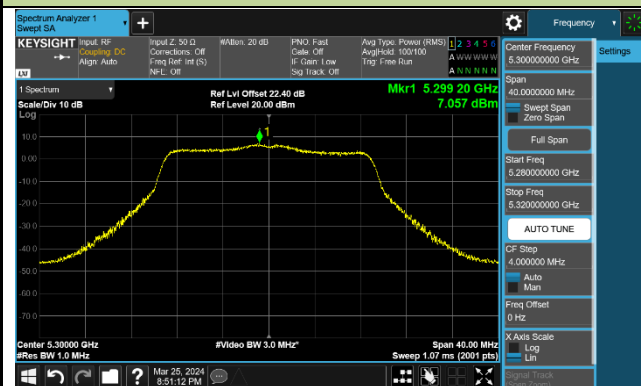
Channel 48 (5240MHz)



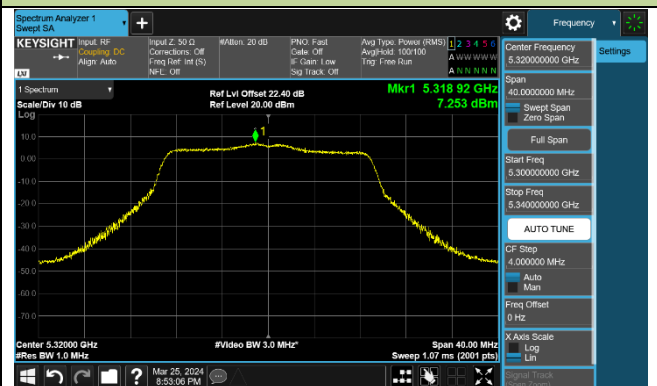
Channel 52 (5260MHz)



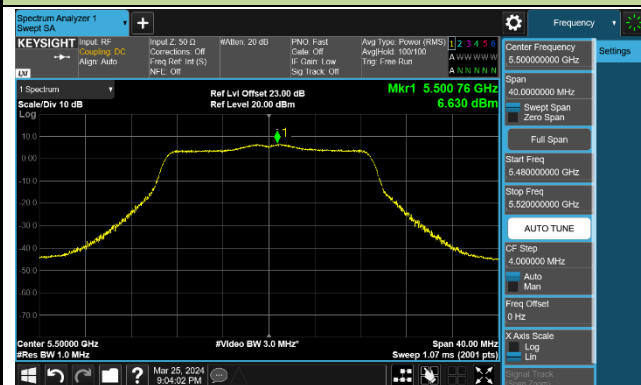
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

