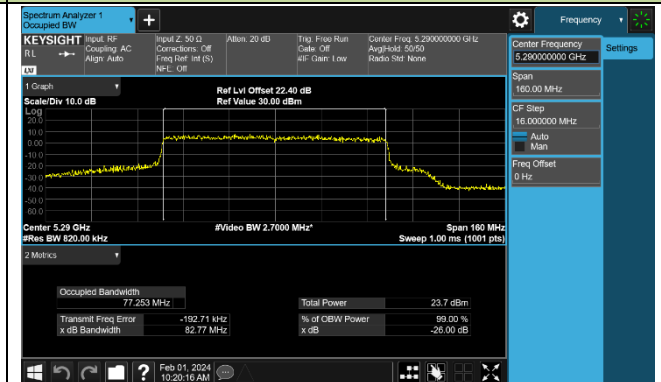


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

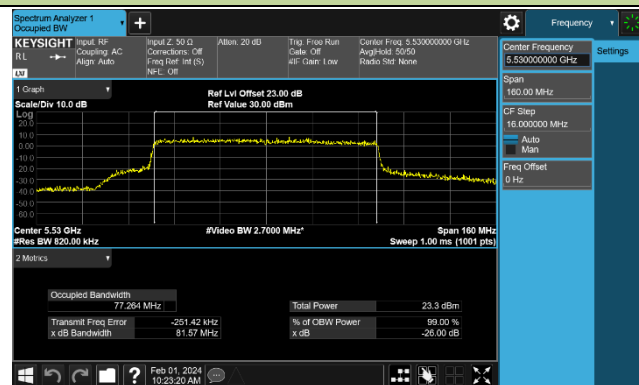
Channel 42 (5210MHz)



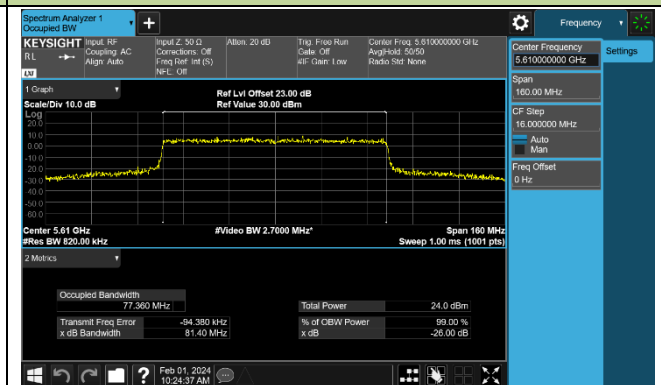
Channel 58 (5290MHz)



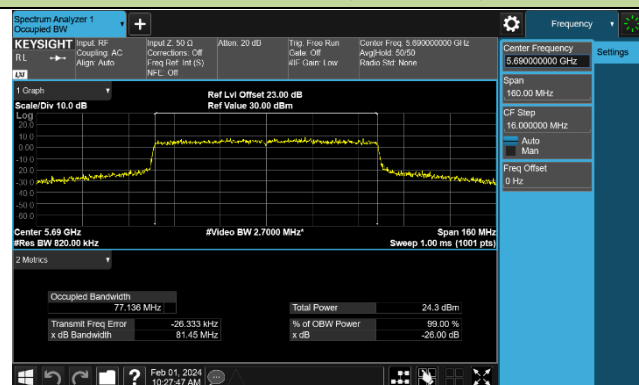
Channel 106 (5530MHz)



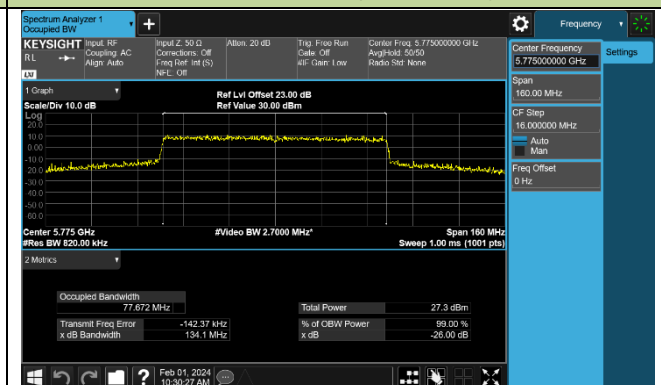
Channel 122 (5610MHz)



Channel 138 (5690MHz)

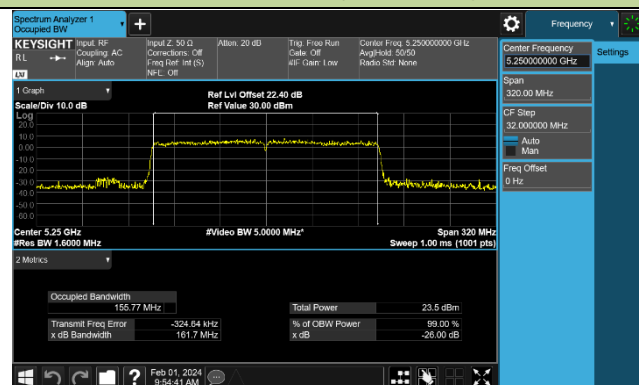


Channel 155 (5775MHz)

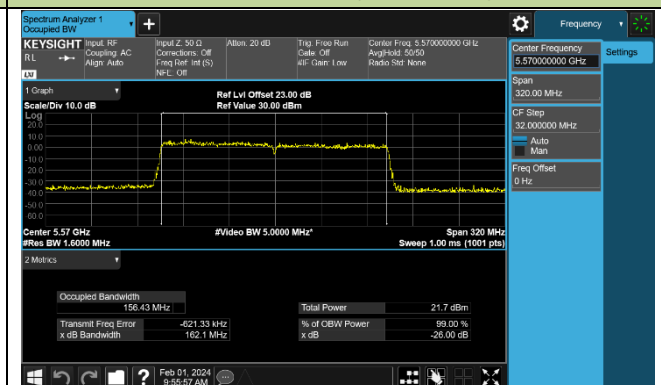


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

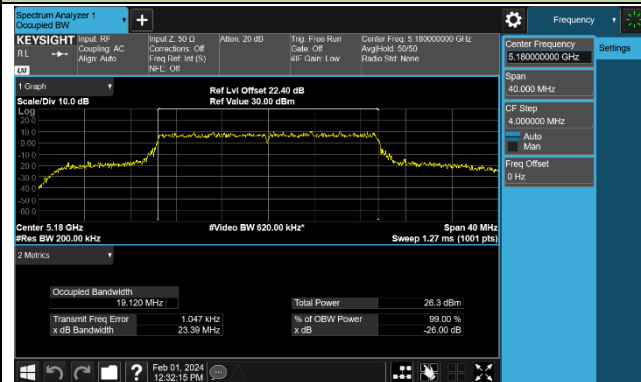


Channel 114 (5570MHz)

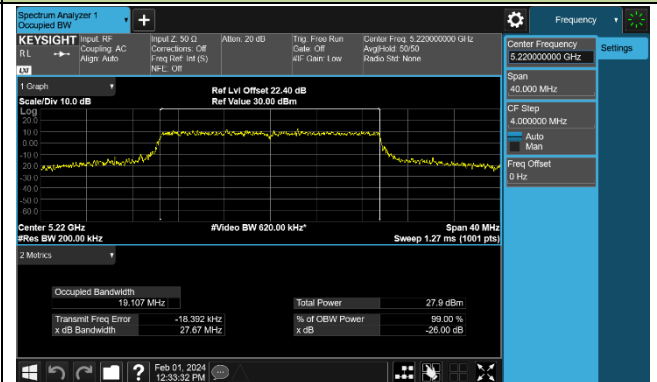


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

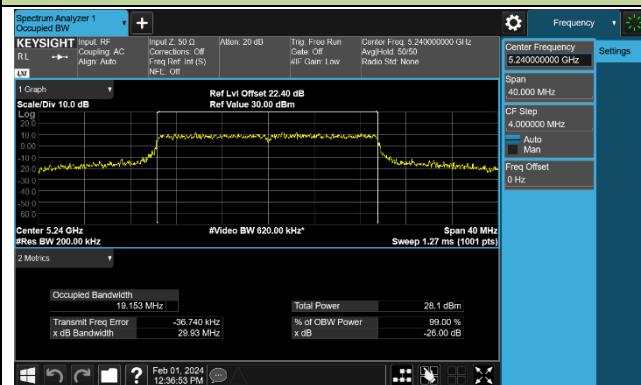
Channel 36 (5180MHz)



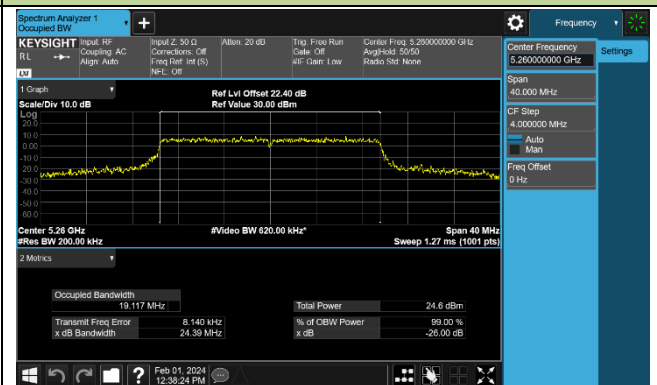
Channel 44 (5220MHz)



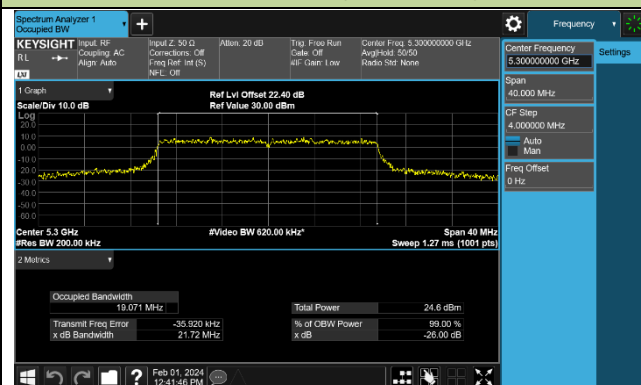
Channel 48 (5240MHz)



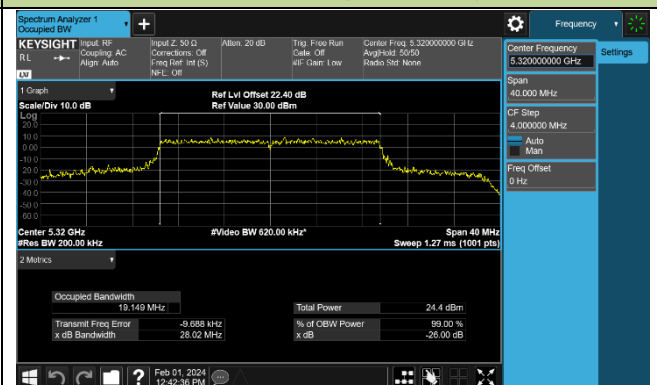
Channel 52 (5260MHz)



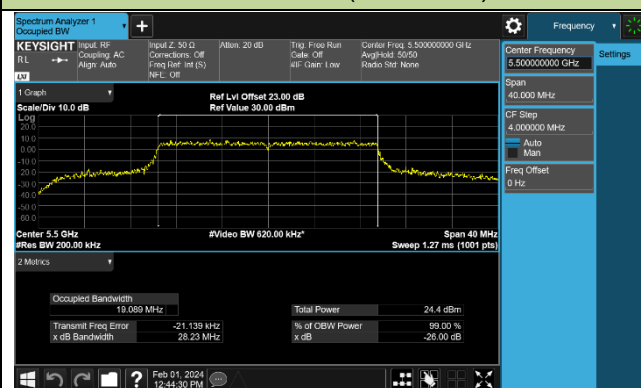
Channel 60 (5300MHz)



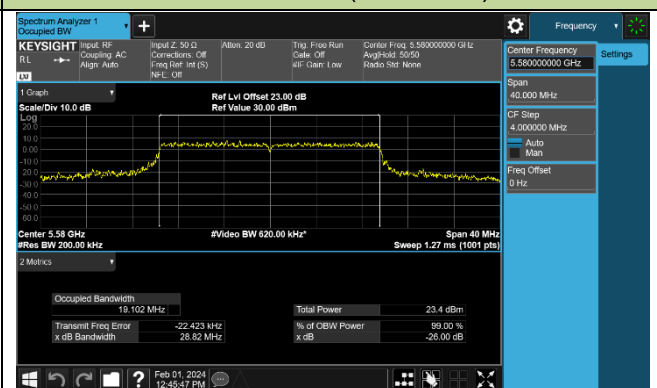
Channel 64 (5320MHz)

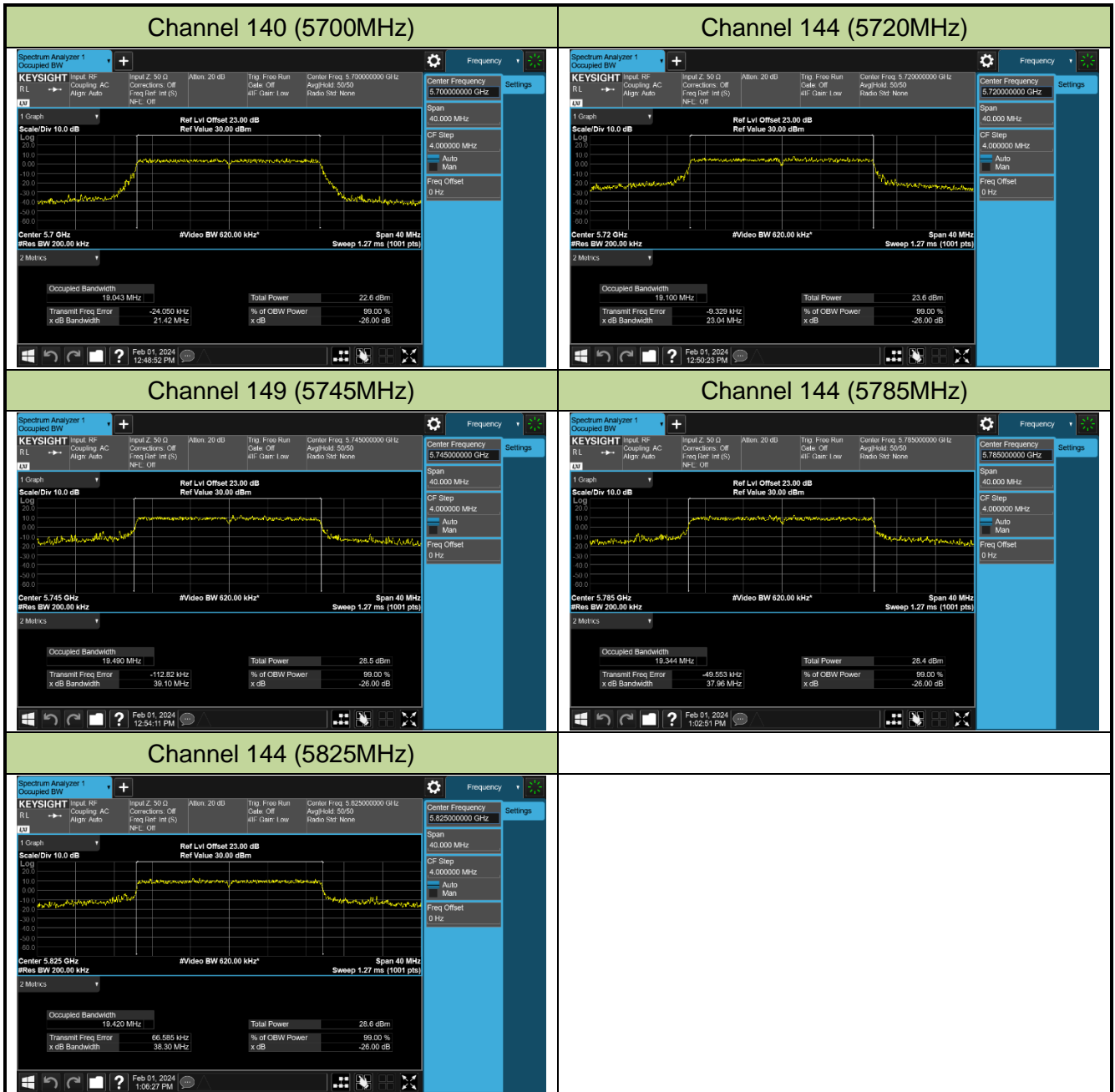


Channel 100 (5500MHz)



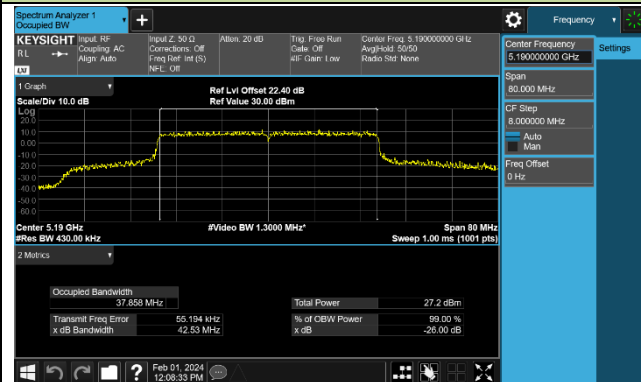
Channel 116 (5580MHz)



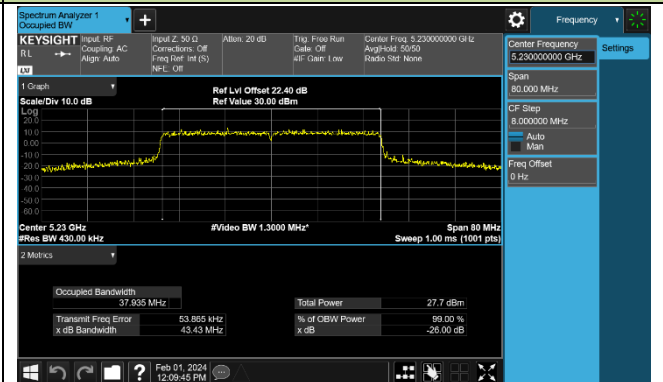


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

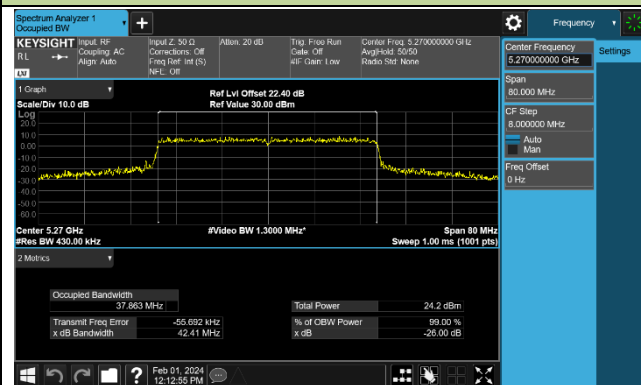
Channel 38 (5190MHz)



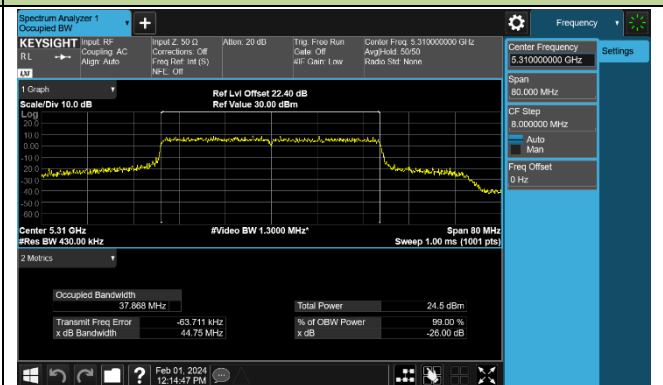
Channel 46 (5230MHz)



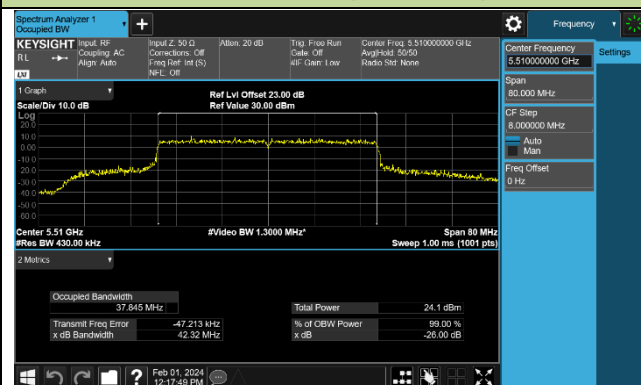
Channel 54 (5270MHz)



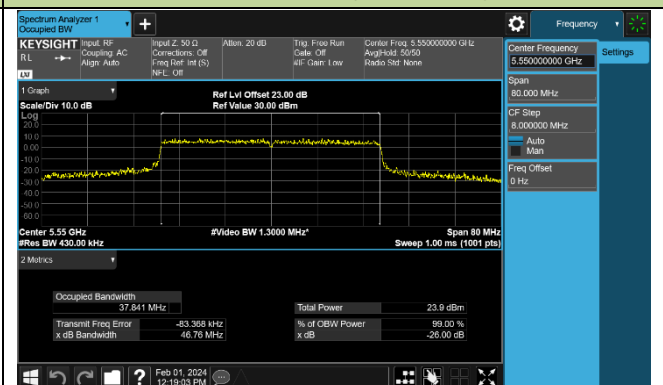
Channel 62 (5310MHz)



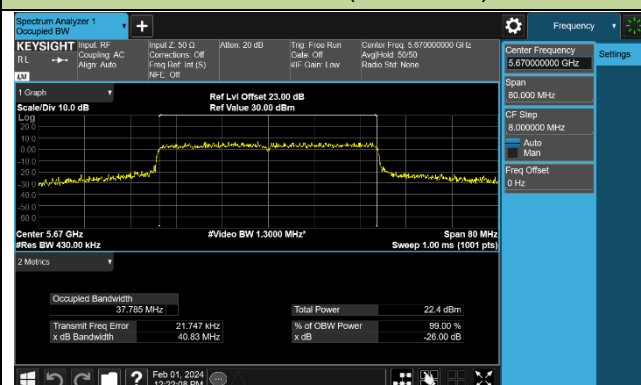
Channel 102 (5510MHz)



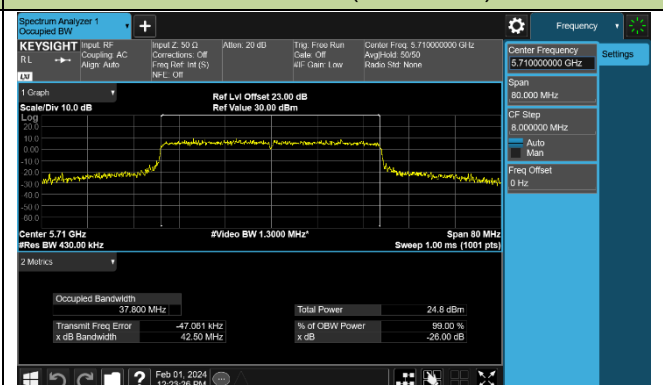
Channel 110 (5550MHz)

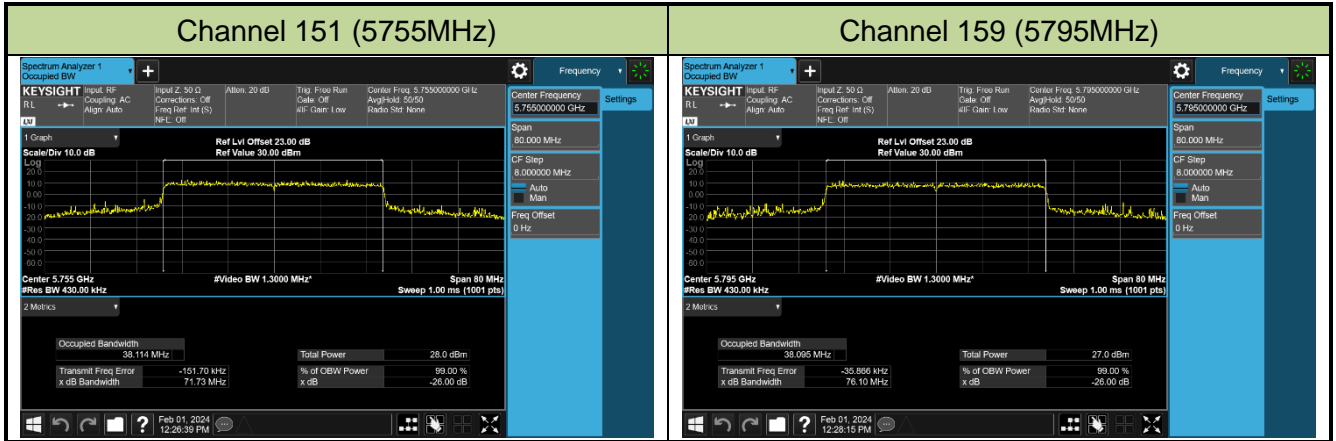


Channel 134 (5670MHz)



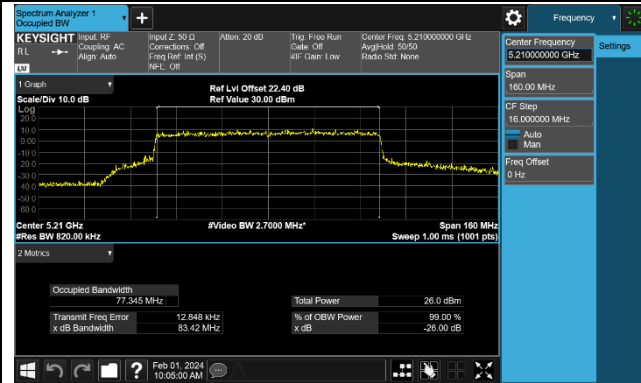
Channel 142 (5710MHz)



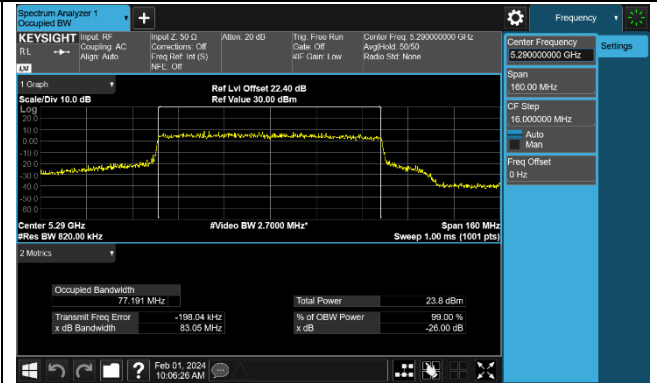


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

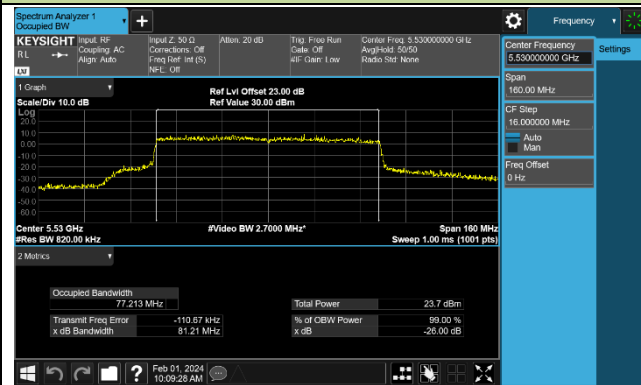
Channel 42 (5210MHz)



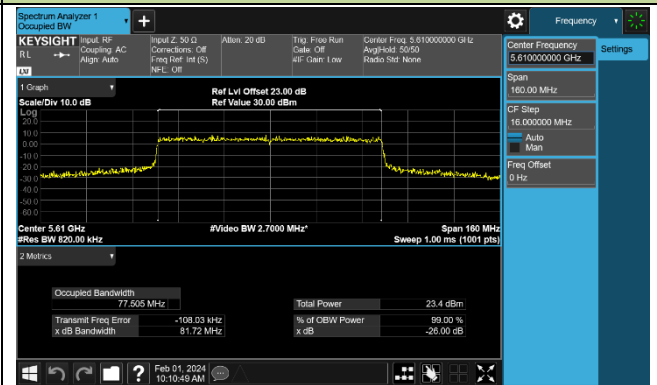
Channel 58 (5290MHz)



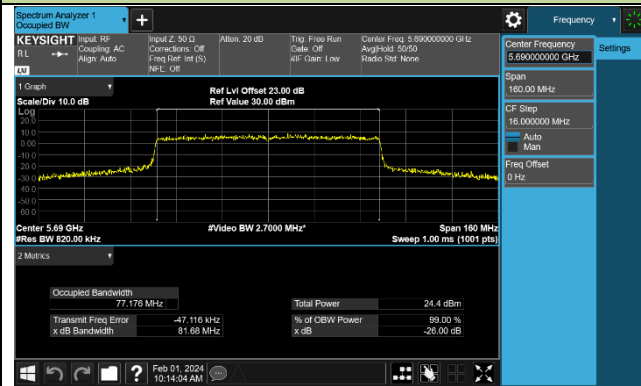
Channel 106 (5530MHz)



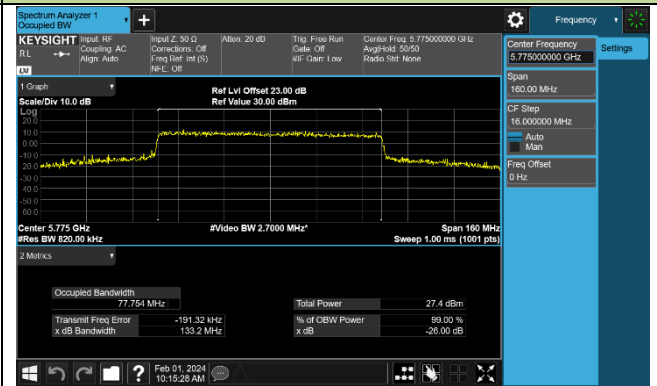
Channel 122 (5610MHz)



Channel 138 (5690MHz)

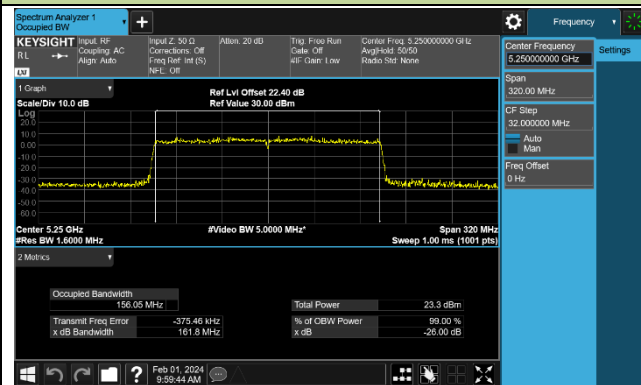


Channel 155 (5775MHz)

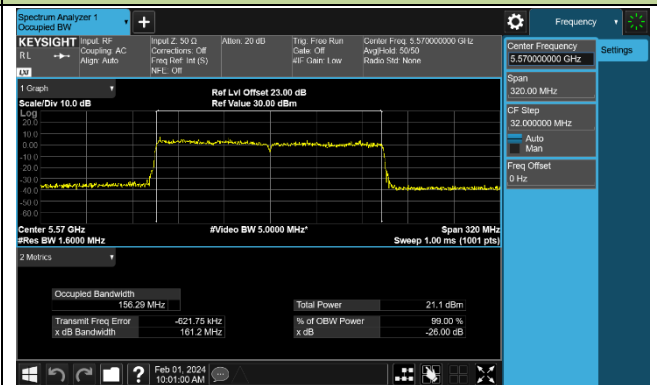


802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)



Channel 114 (5570MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

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

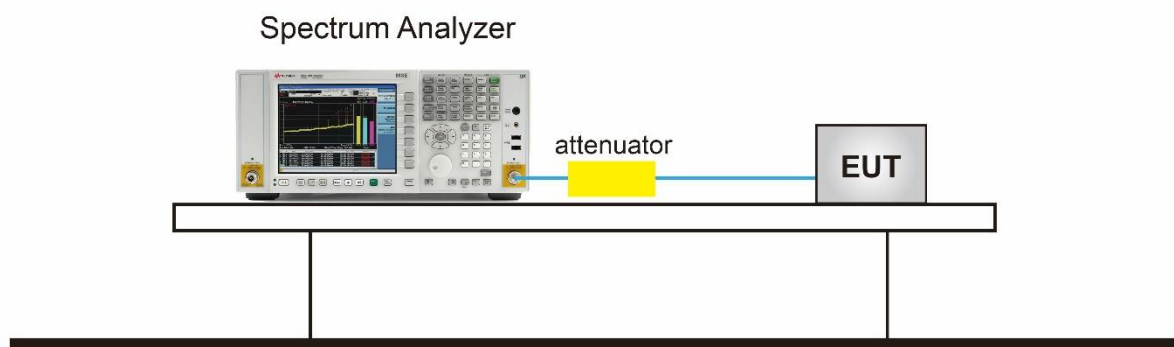
7.3.2. Test Procedure used

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



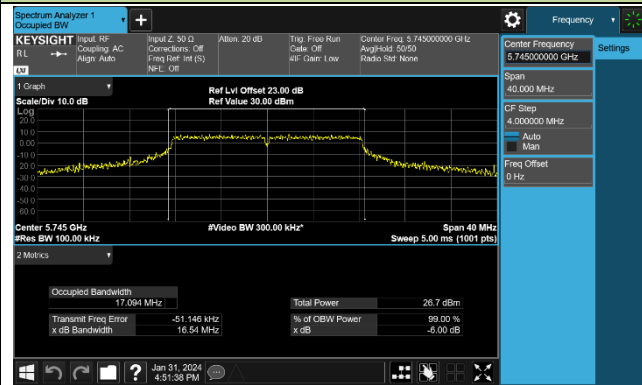
7.3.5.TestResult

Product	BE15000 Tri-Band Wi-Fi 7 Router	Test Engineer	Xuan Yu
Test Site	SR6	Test Date	2024/1/31~2024/2/1

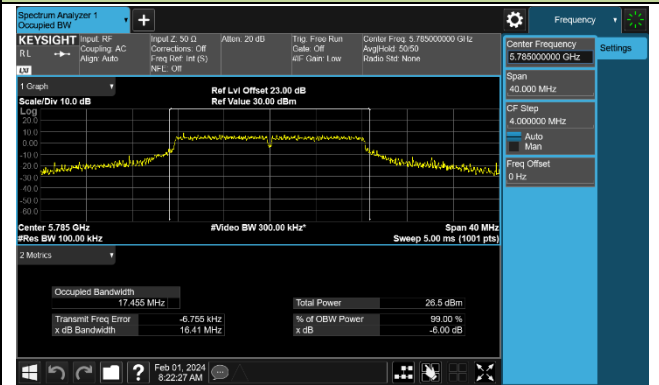
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1						
802.11a	6Mbps	149	5745	16.54	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.41	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.50	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.75	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.59	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.60	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.45	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.45	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.40	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	18.73	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	18.75	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	19.00	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	37.70	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	37.50	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	77.84	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	18.83	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	18.95	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	18.22	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	37.21	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	37.77	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	77.16	≥ 0.5	Pass

802.11a 6dB Bandwidth

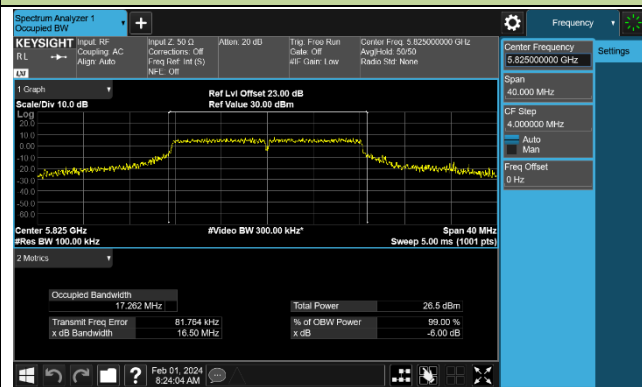
Channel 149 (5745MHz)



Channel 157 (5785MHz)

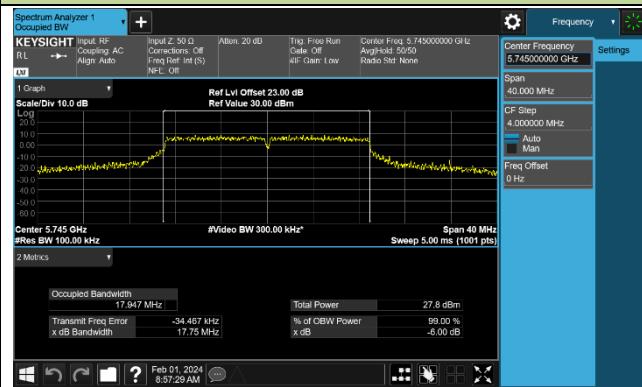


Channel 165 (5825MHz)

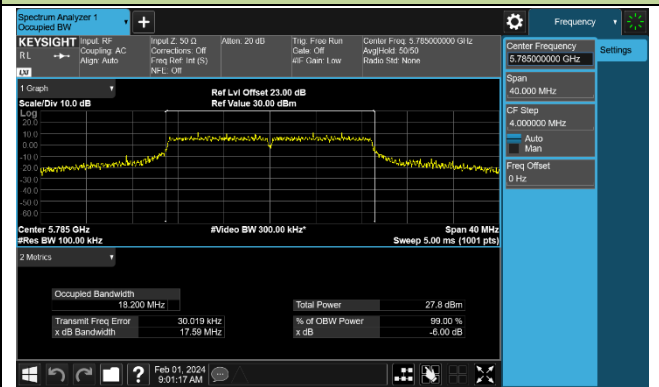


802.11ac-VHT20 6dB Bandwidth

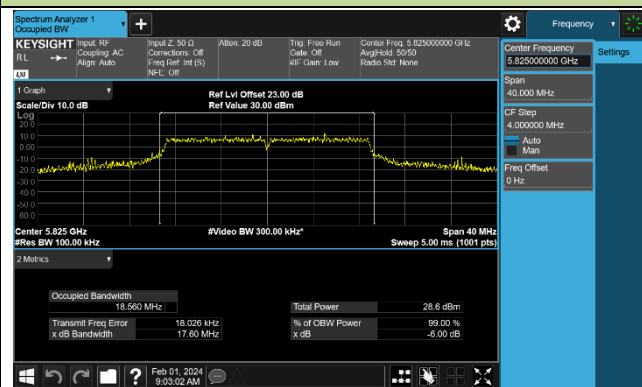
Channel 149 (5745MHz)



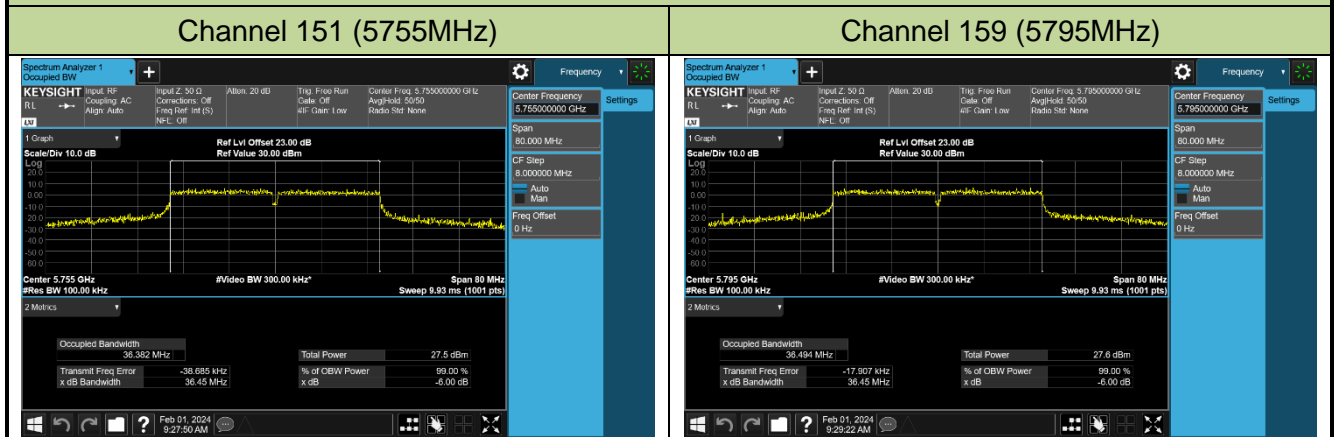
Channel 157 (5785MHz)



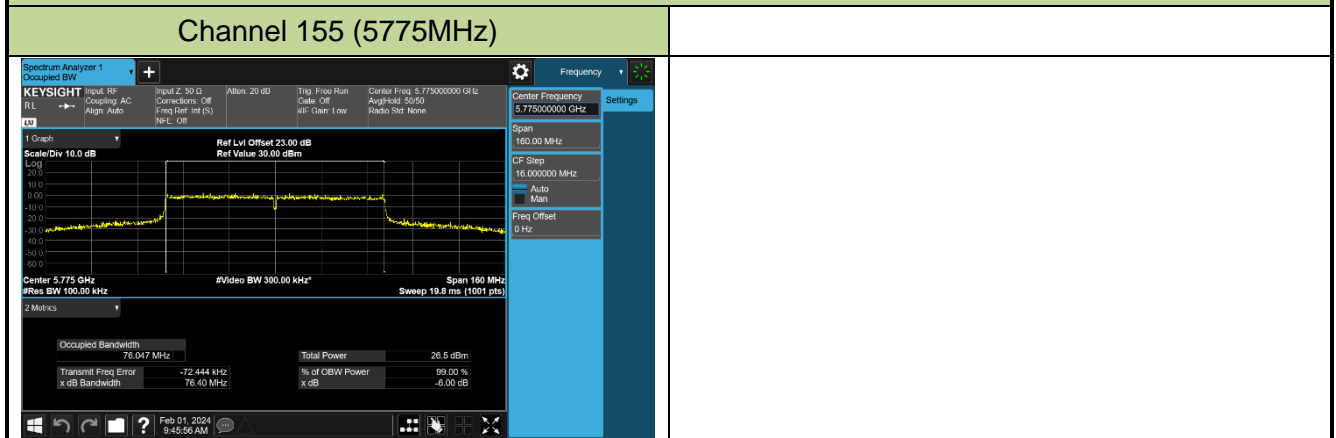
Channel 165 (5825MHz)



802.11ac-VHT40 6dB Bandwidth

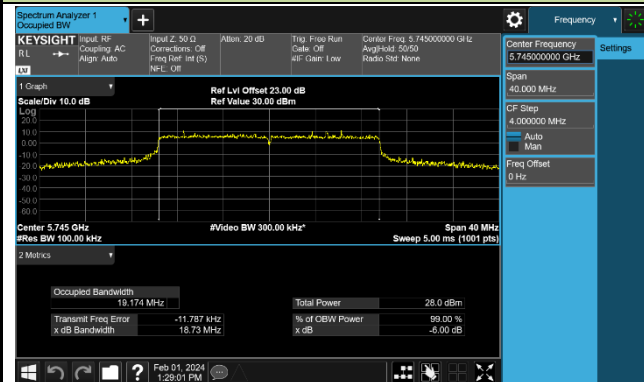


802.11ac-VHT80 6dB Bandwidth

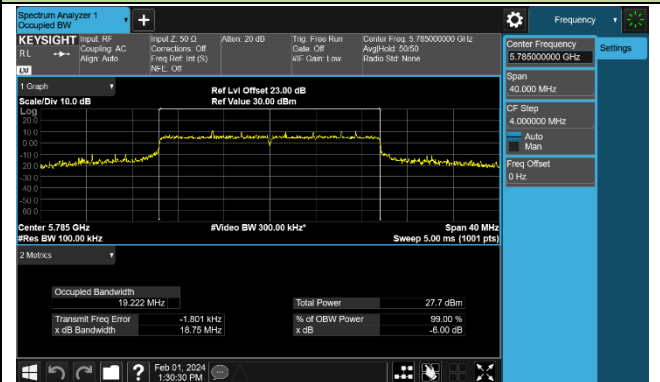


802.11ax-HE20 6dB Bandwidth

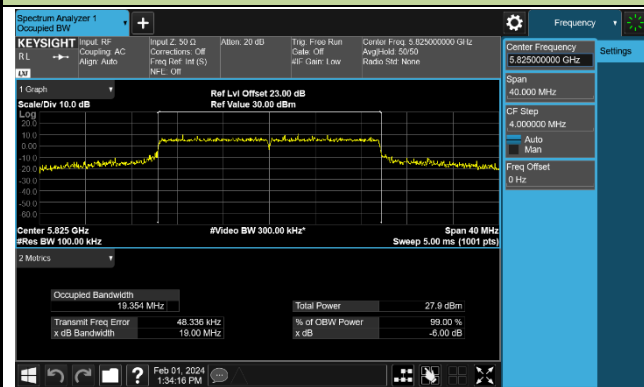
Channel 149 (5745MHz)



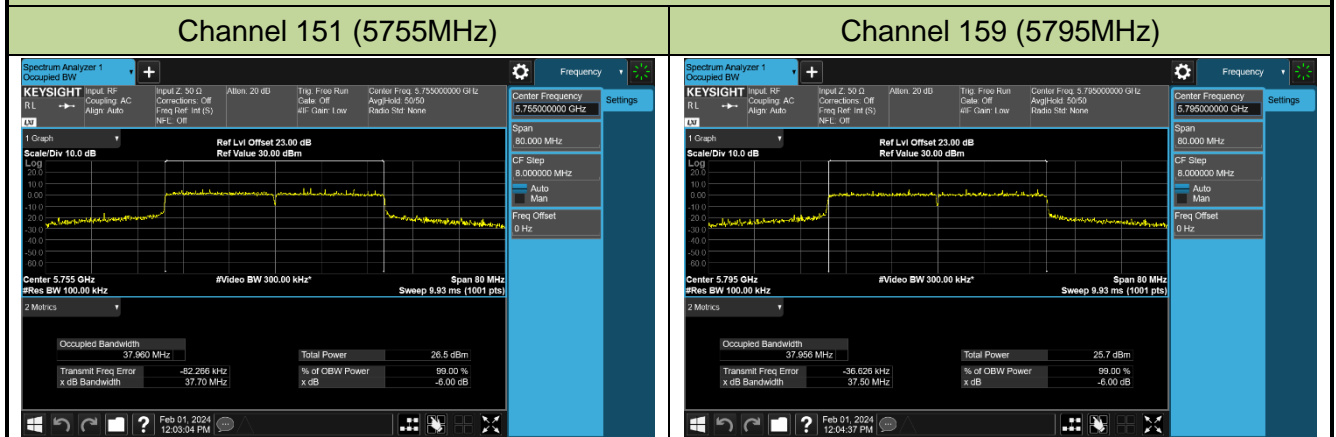
Channel 157 (5785MHz)



Channel 165 (5825MHz)



802.11ax-HE40 6dB Bandwidth

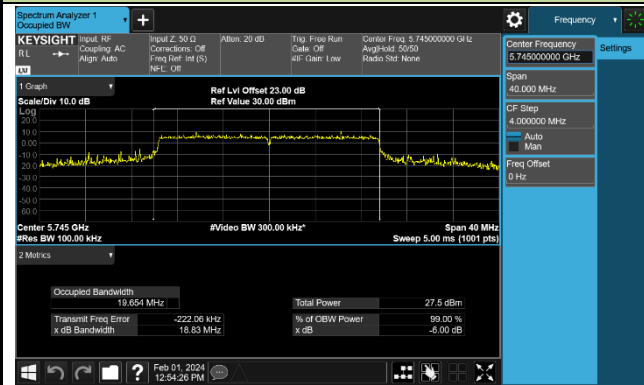


802.11ax-HE80 6dB Bandwidth

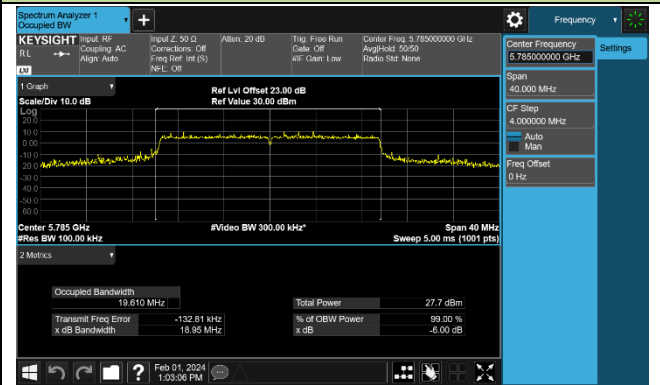


802.11be-EHT20 6dB Bandwidth

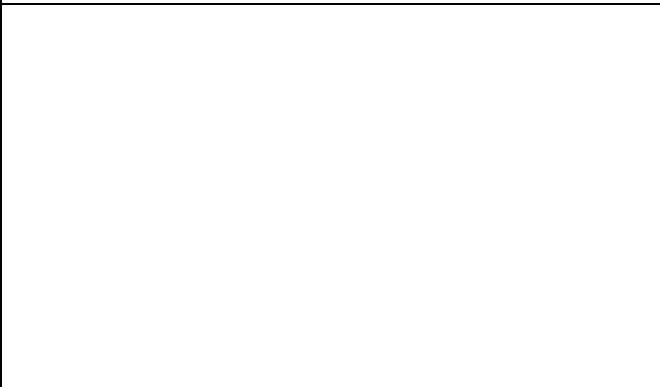
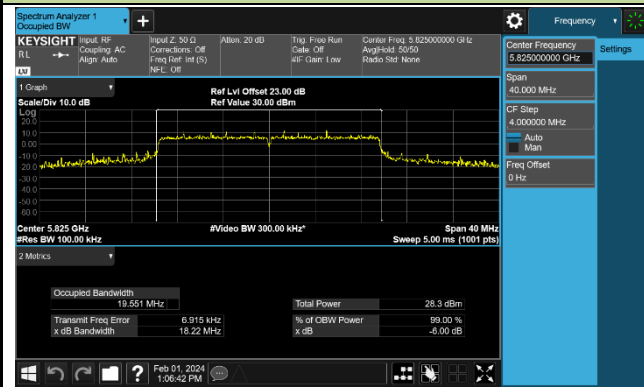
Channel 149 (5745MHz)



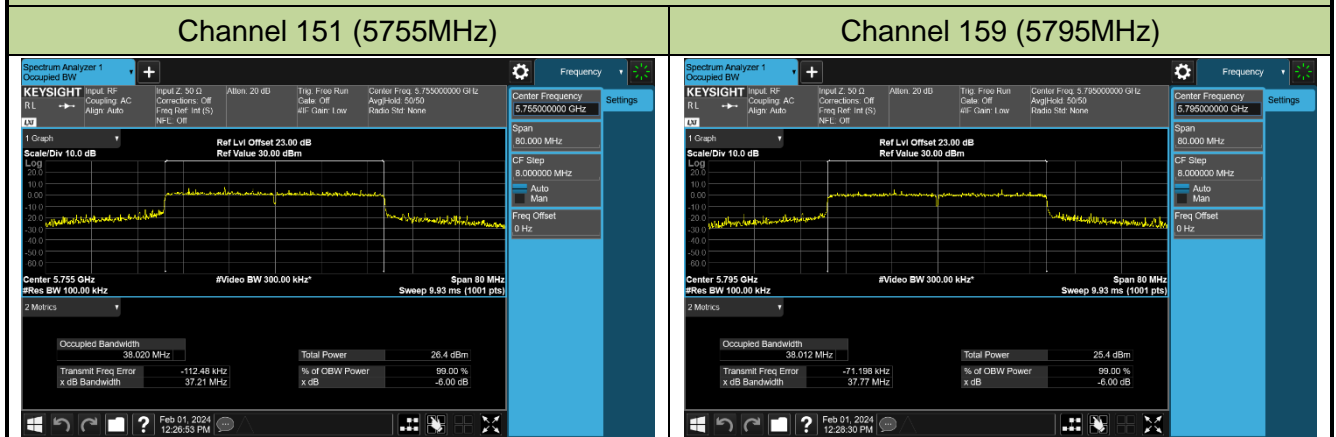
Channel 157 (5785MHz)



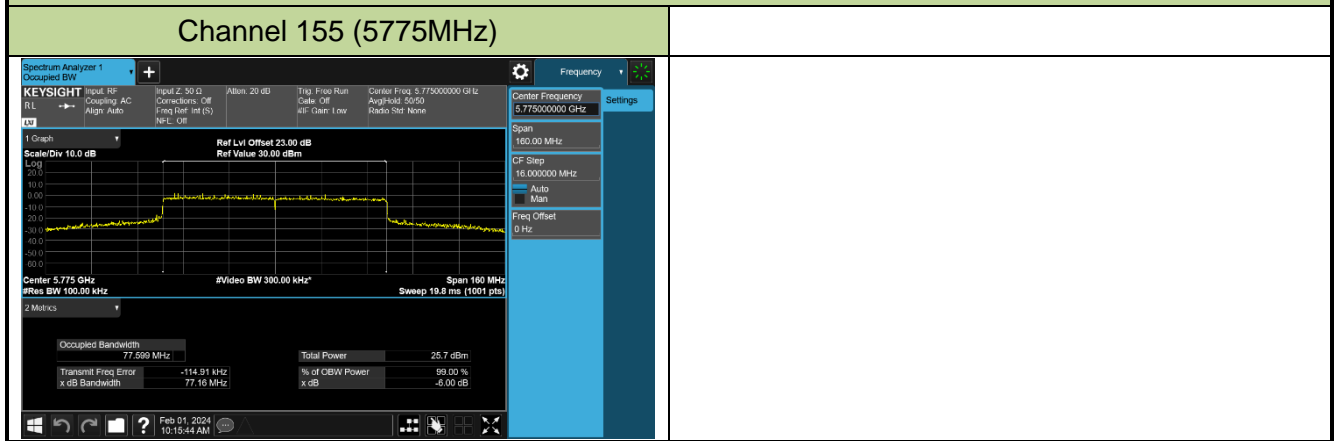
Channel 165 (5825MHz)



802.11be-EHT 40 6dB Bandwidth



802.11be-EHT 80 6dB Bandwidth



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.

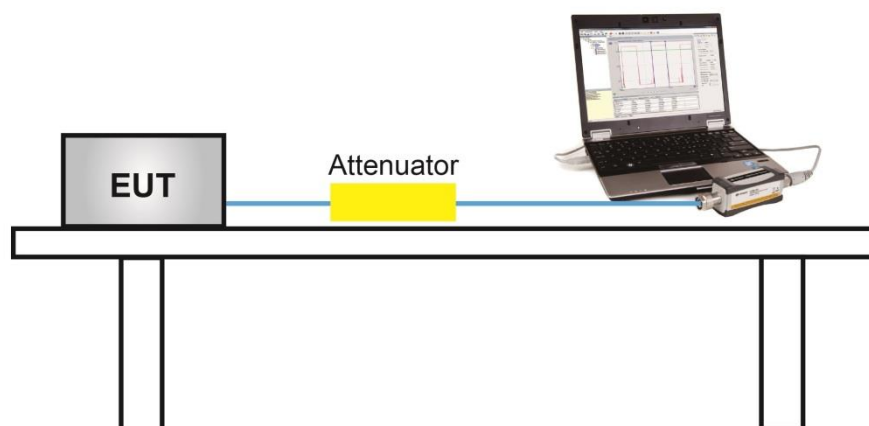
7.4.2. Test Procedure Used

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	BE15000 Tri-Band Wi-Fi 7 Router	Test Engineer	Xuan Yu
Test Site	SR6	Test Date	2024/1/24~2024/2/1
Test Mode	CDD Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Result
				Ant 0	Ant 1			
11a	6Mbps	36	5180	24.42	23.62	27.05	≤ 30.00	Pass
11a	6Mbps	44	5220	24.22	24.48	27.36	≤ 30.00	Pass
11a	6Mbps	48	5240	24.06	24.50	27.30	≤ 30.00	Pass
11a	6Mbps	52	5260	19.53	20.51	23.06	≤ 23.98	Pass
11a	6Mbps	60	5300	19.65	20.63	23.18	≤ 23.98	Pass
11a	6Mbps	64	5320	19.63	20.19	22.93	≤ 23.98	Pass
11a	6Mbps	100	5500	20.16	20.16	23.17	≤ 23.98	Pass
11a	6Mbps	116	5580	20.90	19.45	23.25	≤ 23.98	Pass
11a	6Mbps	140	5700	18.82	19.60	22.24	≤ 23.98	Pass
11a	6Mbps	144	5720	19.60	20.44	23.05	≤ 23.12	Pass
11a	6Mbps	149	5745	23.31	24.58	27.00	≤ 30.00	Pass
11a	6Mbps	157	5785	24.08	24.36	27.23	≤ 30.00	Pass
11a	6Mbps	165	5825	23.45	24.83	27.20	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	24.08	23.35	26.74	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	24.13	24.34	27.25	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.07	24.42	27.26	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	19.73	20.71	23.26	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	20.03	20.65	23.36	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	20.04	20.35	23.21	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	20.42	20.32	23.38	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	21.04	19.45	23.33	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	18.48	19.32	21.93	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	19.53	20.24	22.91	≤ 23.30	Pass
11ac-VHT20	MCS0	149	5745	23.52	24.98	27.32	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	24.05	24.38	27.23	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	23.55	24.82	27.24	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Result
				Ant 0	Ant 1			
				11ac-VHT40	MCS0			
11ac-VHT40	MCS0	46	5230	24.31	24.46	27.40	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.21	20.76	23.50	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.24	20.88	23.58	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	20.49	21.05	23.79	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.71	20.68	23.71	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	19.76	20.25	23.02	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.14	20.95	23.57	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	24.08	24.53	27.32	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.40	24.36	27.39	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	22.40	23.06	25.75	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.83	20.31	23.59	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	21.03	20.46	23.76	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.63	20.70	23.68	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.09	21.01	23.58	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	24.60	24.09	27.36	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	18.19	18.38	21.30	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	18.09	17.39	20.76	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	23.71	23.19	26.47	≤ 30.00	Pass
11ax-HE20	MCS0	40	5220	24.67	24.17	27.44	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.55	24.19	27.38	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	20.01	21.15	23.63	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	20.07	20.85	23.49	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	20.32	20.79	23.57	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	20.45	20.42	23.45	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	21.35	19.95	23.72	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	18.87	19.60	22.26	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.67	20.39	23.06	≤ 23.28	Pass
11ax-HE20	MCS0	149	5745	23.70	25.08	27.45	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	24.22	24.48	27.36	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.69	25.03	27.42	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Result
				Ant 0	Ant 1			
				11ax-HE40	MCS0			
11ax-HE40	MCS0	46	5230	24.63	24.16	27.41	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.07	20.88	23.50	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	20.38	20.78	23.59	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	19.70	20.48	23.12	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.45	20.46	23.47	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	17.47	17.87	20.68	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.27	20.87	23.59	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	23.87	24.67	27.30	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	24.41	24.20	27.32	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	22.30	22.77	25.55	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.85	20.33	23.61	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	20.42	19.82	23.14	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.75	20.67	23.72	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.23	20.99	23.64	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	24.52	24.25	27.40	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	20.50	20.66	23.59	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	19.28	18.76	22.04	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	23.62	23.12	26.39	≤ 30.00	Pass
11be-EHT20	MCS0	40	5220	24.57	24.22	27.41	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	24.64	24.25	27.46	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	20.11	20.77	23.46	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	20.38	20.62	23.51	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	20.31	20.58	23.46	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	20.91	20.62	23.78	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	21.28	19.88	23.65	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	18.46	19.34	21.93	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	19.59	20.40	23.02	≤ 23.18	Pass
11be-EHT20	MCS0	149	5745	23.67	24.98	27.38	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	24.10	24.48	27.30	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	23.81	24.97	27.44	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Result
				Ant 0	Ant 1			
				11be-EHT40	MCS0			
11be-EHT40	MCS0	46	5230	24.61	24.16	27.40	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.12	20.83	23.50	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	20.34	20.85	23.61	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	19.99	20.73	23.39	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.54	20.40	23.48	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	18.11	18.56	21.35	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.23	20.93	23.60	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	24.01	24.57	27.31	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	24.27	24.11	27.20	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	22.47	22.90	25.70	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	20.72	20.55	23.65	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	20.95	20.31	23.65	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.59	20.40	23.51	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.03	21.10	23.61	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	24.45	24.14	27.31	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	20.22	20.21	23.23	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	18.55	18.00	21.29	≤ 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 802.11a Ch144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2) = 23.12$ dBm.

For 802.11ac Ch144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2) = 23.30$ dBm.

For 802.11ax Ch144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2) = 23.28$ dBm.

For 802.11be Ch144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2) = 23.18$ dBm.

Product	BE15000 Tri-Band Wi-Fi 7 Router	Temperature	25°C
Test Engineer	Xuan Yu	Relative Humidity	56%
Test Site	SR6	Test Date	2024/1/24~2024/2/1
Test Mode	Beamforming Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Result
				Ant 0	Ant 1			
11ac-VHT20	MCS0	36	5180	24.08	23.35	26.74	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	24.13	24.34	27.25	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.07	24.42	27.26	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	19.73	20.71	23.26	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	20.03	20.65	23.36	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	20.04	20.35	23.21	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	20.42	20.32	23.38	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	21.04	19.45	23.33	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	18.48	19.32	21.93	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	19.53	20.24	22.91	≤ 23.30	Pass
11ac-VHT20	MCS0	149	5745	23.52	24.98	27.32	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	24.05	24.38	27.23	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	23.55	24.82	27.24	≤ 30.00	Pass
11ac-VHT40	MCS0	38	5190	23.11	22.48	25.82	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.31	24.46	27.40	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.21	20.76	23.50	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.24	20.88	23.58	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	20.49	21.05	23.79	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.71	20.68	23.71	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	19.76	20.25	23.02	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.14	20.95	23.57	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	24.08	24.53	27.32	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.40	24.36	27.39	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	22.40	23.06	25.75	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.83	20.31	23.59	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	21.03	20.46	23.76	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.63	20.70	23.68	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.09	21.01	23.58	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	24.60	24.09	27.36	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Result
				Ant 0	Ant 1			
11ac-VHT160	MCS0	50	5250	18.19	18.38	21.30	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	18.09	17.39	20.76	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	23.71	23.19	26.47	≤ 30.00	Pass
11ax-HE20	MCS0	40	5220	24.67	24.17	27.44	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.55	24.19	27.38	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	20.01	21.15	23.63	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	20.07	20.85	23.49	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	20.32	20.79	23.57	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	20.45	20.42	23.45	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	21.35	19.95	23.72	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	18.87	19.60	22.26	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.67	20.39	23.06	≤ 23.27	Pass
11ax-HE20	MCS0	149	5745	23.70	25.08	27.45	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	24.22	24.48	27.36	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.69	25.03	27.42	≤ 30.00	Pass
11ax-HE40	MCS0	38	5190	22.94	22.57	25.77	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.63	24.16	27.41	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.07	20.88	23.50	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	20.38	20.78	23.59	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	19.70	20.48	23.12	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.45	20.46	23.47	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	17.47	17.87	20.68	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.27	20.87	23.59	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	23.87	24.67	27.30	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	24.41	24.20	27.32	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	22.30	22.77	25.55	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.85	20.33	23.61	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	20.42	19.82	23.14	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.75	20.67	23.72	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.23	20.99	23.64	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	24.52	24.25	27.40	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	20.50	20.66	23.59	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	19.28	18.76	22.04	≤ 23.98	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Power Limit (dBm)	Result
				Ant 0	Ant 1			
11be-EHT20	MCS0	36	5180	23.62	23.12	26.39	≤ 30.00	Pass
11be-EHT20	MCS0	40	5220	24.57	24.22	27.41	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	24.64	24.25	27.46	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	20.11	20.77	23.46	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	20.38	20.62	23.51	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	20.31	20.58	23.46	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	20.91	20.62	23.78	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	21.28	19.88	23.65	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	18.46	19.34	21.93	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	19.59	20.40	23.02	≤ 23.18	Pass
11be-EHT20	MCS0	149	5745	23.67	24.98	27.38	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	24.10	24.48	27.30	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	23.81	24.97	27.44	≤ 30.00	Pass
11be-EHT40	MCS0	38	5190	24.41	23.92	27.18	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	24.61	24.16	27.40	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.12	20.83	23.50	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	20.34	20.85	23.61	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	19.99	20.73	23.39	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.54	20.40	23.48	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	18.11	18.56	21.35	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.23	20.93	23.60	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	24.01	24.57	27.31	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	24.27	24.11	27.20	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	22.47	22.90	25.70	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	20.72	20.55	23.65	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	20.95	20.31	23.65	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.59	20.40	23.51	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.03	21.10	23.61	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	24.45	24.14	27.31	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	20.22	20.21	23.23	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	18.55	18.00	21.29	≤ 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 5125 - 5250MHz Band: Average Power Limit (dBm) = 30dBm

For 5250 - 5350MHz and 5470 - 5725MHz Band: Average Power Limit (dBm) = 23.98dBm.

For 5725 - 5850MHz Band: Average Power Limit (dBm) = 30dBm.

For 802.11ac Ch144 (5720MHz), Average Power Limit (dBm) = $11+10*\log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2)=23.30$ dBm.

For 802.11ax Ch144 (5720MHz), Average Power Limit (dBm) = $11+10*\log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2)=23.28$ dBm.

For 802.11be Ch144 (5720MHz), Average Power Limit (dBm) = $11+10*\log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2)=23.18$ dBm.

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.

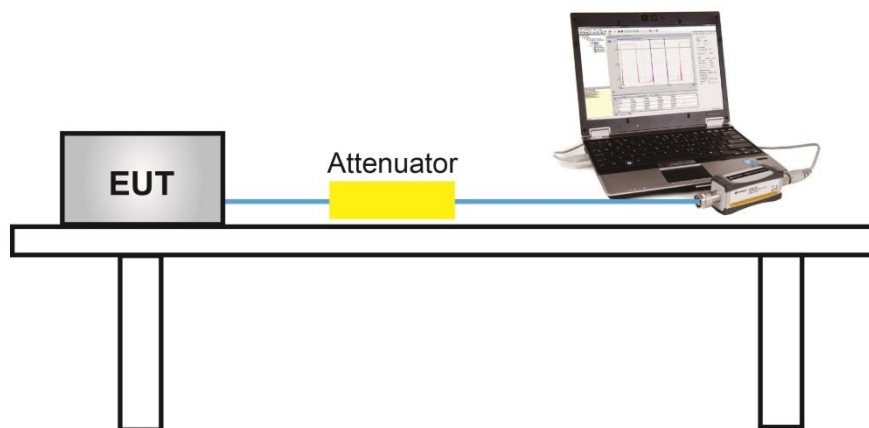
7.5.2. Test Procedure Used

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.

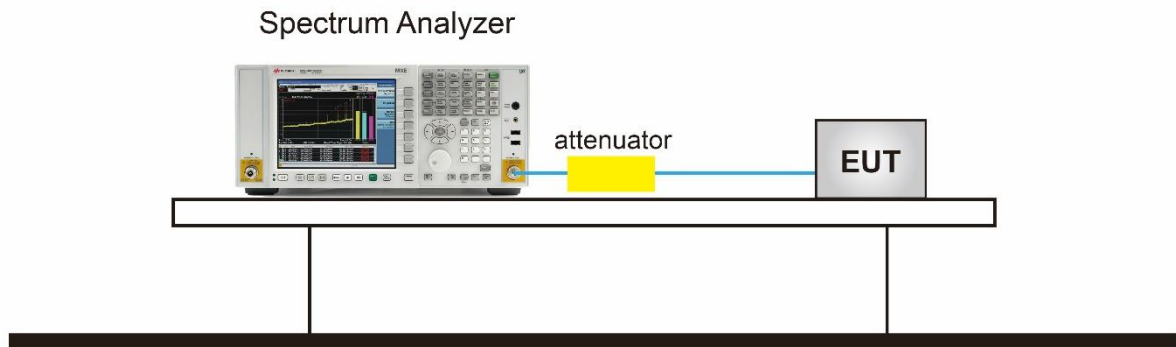
7.6.2. Test Procedure Used

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	BE15000 Tri-Band Wi-Fi 7 Router	Test Engineer	Xuan Yu
Test Site	SR6	Test Date	2024/1/24~2024/2/1
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	11.434	10.838	97.64%	14.260	≤ 17.00	Pass
11a	6Mbps	44	5220	11.387	10.600	97.64%	14.125	≤ 17.00	Pass
11a	6Mbps	48	5240	11.305	11.175	97.64%	14.355	≤ 17.00	Pass
11a	6Mbps	52	5260	6.881	8.187	97.64%	10.697	≤ 11.00	Pass
11a	6Mbps	60	5300	7.151	7.746	97.64%	10.573	≤ 11.00	Pass
11a	6Mbps	64	5320	7.152	7.790	97.64%	10.597	≤ 11.00	Pass
11a	6Mbps	100	5500	7.610	7.479	97.64%	10.659	≤ 11.00	Pass
11a	6Mbps	116	5580	7.930	6.299	97.64%	10.305	≤ 11.00	Pass
11a	6Mbps	140	5700	5.423	5.956	97.64%	8.812	≤ 11.00	Pass
11a	6Mbps	144	5720	6.967	7.614	97.64%	10.417	≤ 11.00	Pass
11ac-VHT20	MCS0	36	5180	10.837	9.896	98.64%	13.462	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	10.879	10.883	98.64%	13.951	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	11.273	11.162	98.64%	14.288	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	6.757	7.910	98.64%	10.441	≤ 17.00	Pass
11ac-VHT20	MCS0	60	5300	7.264	8.190	98.64%	10.821	≤ 17.00	Pass
11ac-VHT20	MCS0	64	5320	7.185	7.552	98.64%	10.442	≤ 17.00	Pass
11ac-VHT20	MCS0	100	5500	7.732	7.434	98.64%	10.655	≤ 11.00	Pass
11ac-VHT20	MCS0	116	5580	8.062	6.635	98.64%	10.477	≤ 11.00	Pass
11ac-VHT20	MCS0	140	5700	5.406	6.521	98.64%	9.069	≤ 11.00	Pass
11ac-VHT20	MCS0	144	5720	6.057	7.473	98.64%	9.892	≤ 11.00	Pass
11ac-VHT40	MCS0	38	5190	6.862	6.225	97.34%	9.683	≤ 17.00	Pass
11ac-VHT40	MCS0	46	5230	8.397	8.617	97.34%	11.636	≤ 17.00	Pass
11ac-VHT40	MCS0	54	5270	3.862	4.705	97.34%	7.431	≤ 11.00	Pass
11ac-VHT40	MCS0	62	5310	4.380	4.976	97.34%	7.816	≤ 11.00	Pass
11ac-VHT40	MCS0	102	5510	4.381	5.022	97.34%	7.841	≤ 11.00	Pass
11ac-VHT40	MCS0	110	5550	4.646	4.819	97.34%	7.861	≤ 11.00	Pass
11ac-VHT40	MCS0	134	5670	4.123	4.514	97.34%	7.450	≤ 11.00	Pass
11ac-VHT40	MCS0	142	5710	4.337	5.330	97.34%	7.989	≤ 11.00	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	3.259	4.158	96.91%	6.878	≤ 17.00	Pass
11ac-VHT80	MCS0	58	5290	1.509	1.917	96.91%	4.864	≤ 11.00	Pass
11ac-VHT80	MCS0	106	5530	1.891	1.685	96.91%	4.936	≤ 11.00	Pass
11ac-VHT80	MCS0	122	5610	1.402	1.320	96.91%	4.508	≤ 11.00	Pass
11ac-VHT80	MCS0	138	5690	0.617	1.986	96.91%	4.502	≤ 11.00	Pass
11ac-VHT160	MCS0	50	5250	-4.042	-3.413	96.62%	-0.556	≤ 11.00	Pass
11ac-VHT160	MCS0	114	5570	-3.877	-3.104	96.62%	-0.314	≤ 11.00	Pass
11ax-HE20	MCS0	36	5180	10.301	9.630	98.25%	13.065	≤ 17.00	Pass
11ax-HE20	MCS0	44	5220	11.103	11.280	98.25%	14.279	≤ 17.00	Pass
11ax-HE20	MCS0	48	5240	11.255	11.439	98.25%	14.435	≤ 17.00	Pass
11ax-HE20	MCS0	52	5260	6.670	7.531	98.25%	10.209	≤ 11.00	Pass
11ax-HE20	MCS0	60	5300	6.939	8.131	98.25%	10.663	≤ 11.00	Pass
11ax-HE20	MCS0	64	5320	7.217	7.605	98.25%	10.502	≤ 11.00	Pass
11ax-HE20	MCS0	100	5500	7.796	7.541	98.25%	10.757	≤ 11.00	Pass
11ax-HE20	MCS0	116	5580	7.866	6.972	98.25%	10.529	≤ 11.00	Pass
11ax-HE20	MCS0	140	5700	5.530	6.789	98.25%	9.292	≤ 11.00	Pass
11ax-HE20	MCS0	144	5720	6.010	7.483	98.25%	9.896	≤ 11.00	Pass
11ax-HE40	MCS0	38	5190	6.387	5.938	97.19%	9.302	≤ 17.00	Pass
11ax-HE40	MCS0	46	5230	7.950	7.872	97.19%	11.045	≤ 17.00	Pass
11ax-HE40	MCS0	54	5270	3.800	4.627	97.19%	7.367	≤ 11.00	Pass
11ax-HE40	MCS0	62	5310	4.439	5.088	97.19%	7.910	≤ 11.00	Pass
11ax-HE40	MCS0	102	5510	3.538	4.597	97.19%	7.234	≤ 11.00	Pass
11ax-HE40	MCS0	110	5550	4.268	4.525	97.19%	7.532	≤ 11.00	Pass
11ax-HE40	MCS0	134	5670	1.654	2.377	97.19%	5.165	≤ 11.00	Pass
11ax-HE40	MCS0	142	5710	4.054	5.193	97.19%	7.795	≤ 11.00	Pass
11ax-HE80	MCS0	42	5210	3.113	3.727	97.42%	6.555	≤ 17.00	Pass
11ax-HE80	MCS0	58	5290	1.555	1.908	97.42%	4.859	≤ 17.00	Pass
11ax-HE80	MCS0	106	5530	1.816	1.459	97.42%	4.765	≤ 11.00	Pass
11ax-HE80	MCS0	122	5610	1.743	1.611	97.42%	4.801	≤ 11.00	Pass
11ax-HE80	MCS0	138	5690	1.038	2.105	97.42%	4.728	≤ 11.00	Pass
11ax-HE160	MCS0	50	5250	-1.390	-0.862	98.41%	1.962	≤ 11.00	Pass
11ax-HE160	MCS0	114	5570	-1.680	-1.666	98.41%	1.407	≤ 11.00	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	9.996	9.579	98.25%	12.879	≤ 17.00	Pass
11be-EHT20	MCS0	44	5220	11.016	11.203	98.25%	14.197	≤ 17.00	Pass
11be-EHT20	MCS0	48	5240	10.880	11.293	98.25%	14.178	≤ 17.00	Pass
11be-EHT20	MCS0	52	5260	6.666	7.855	98.25%	10.388	≤ 11.00	Pass
11be-EHT20	MCS0	60	5300	7.063	7.817	98.25%	10.543	≤ 11.00	Pass
11be-EHT20	MCS0	64	5320	7.221	7.671	98.25%	10.539	≤ 11.00	Pass
11be-EHT20	MCS0	100	5500	7.749	7.735	98.25%	10.829	≤ 11.00	Pass
11be-EHT20	MCS0	116	5580	7.845	6.542	98.25%	10.329	≤ 11.00	Pass
11be-EHT20	MCS0	140	5700	5.556	6.157	98.25%	8.954	≤ 11.00	Pass
11be-EHT20	MCS0	144	5720	6.564	7.024	98.25%	9.887	≤ 11.00	Pass
11be-EHT40	MCS0	38	5190	8.005	7.579	97.68%	10.909	≤ 17.00	Pass
11be-EHT40	MCS0	46	5230	7.550	7.797	97.68%	10.787	≤ 17.00	Pass
11be-EHT40	MCS0	54	5270	3.005	4.335	97.68%	6.833	≤ 11.00	Pass
11be-EHT40	MCS0	62	5310	3.759	4.928	97.68%	7.495	≤ 11.00	Pass
11be-EHT40	MCS0	102	5510	3.766	4.661	97.68%	7.349	≤ 11.00	Pass
11be-EHT40	MCS0	110	5550	4.453	4.347	97.68%	7.513	≤ 11.00	Pass
11be-EHT40	MCS0	134	5670	1.926	2.329	97.68%	5.244	≤ 11.00	Pass
11be-EHT40	MCS0	142	5710	3.791	5.034	97.68%	7.569	≤ 11.00	Pass
11be-EHT80	MCS0	42	5210	3.422	3.721	97.82%	6.680	≤ 17.00	Pass
11be-EHT80	MCS0	58	5290	1.672	1.788	97.82%	4.836	≤ 11.00	Pass
11be-EHT80	MCS0	106	5530	1.825	1.752	97.82%	4.895	≤ 11.00	Pass
11be-EHT80	MCS0	122	5610	1.507	0.950	97.82%	4.343	≤ 11.00	Pass
11be-EHT80	MCS0	138	5690	1.133	2.384	97.82%	4.909	≤ 11.00	Pass
11be-EHT160	MCS0	50	5250	-1.591	-0.913	98.41%	1.841	≤ 11.00	Pass
11be-EHT160	MCS0	114	5570	-3.097	-2.366	98.41%	0.364	≤ 11.00	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) = 17dBm/MHz.

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

Product	BE15000 Tri-Band Wi-Fi 7 Router	Test Engineer	Xuan Yu
Test Site	SR6	Test Date	2024/1/24~2024/2/1
Mode	Power Spectral Density (U-NII-3) CDD Mode		

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	PSD (dBm/510KHz)		Duty Cycle (%)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Result
				Ant 0	Ant 1				
11a	6Mbps	149	5745	7.283	8.154	97.64%	10.854	≤ 30.00	Pass
11a	6Mbps	157	5785	8.305	7.582	97.64%	11.073	≤ 30.00	Pass
11a	6Mbps	165	5825	7.434	8.252	97.64%	10.976	≤ 30.00	Pass
11ac-VHT20	MCS0	149	5745	7.525	8.860	98.64%	11.313	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	8.345	8.532	98.64%	11.509	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	8.112	9.202	98.64%	11.761	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	5.406	5.701	97.34%	8.683	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	5.790	5.373	97.34%	8.714	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	2.875	2.270	96.91%	5.730	≤ 30.00	Pass
11ax-HE20	MCS0	149	5745	7.653	9.005	98.25%	11.468	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	8.630	8.799	98.25%	11.802	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	8.243	8.933	98.25%	11.689	≤ 30.00	Pass
11ax-HE40	MCS0	151	5755	5.094	5.610	97.19%	8.494	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	5.801	4.688	97.19%	8.414	≤ 30.00	Pass
11ax-HE80	MCS0	155	5775	3.288	2.306	97.42%	5.949	≤ 30.00	Pass
11be-EHT20	MCS0	149	5745	7.945	8.963	98.25%	11.571	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	8.617	8.855	98.25%	11.825	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	8.330	9.017	98.25%	11.774	≤ 30.00	Pass
11be-EHT40	MCS0	151	5755	5.205	5.440	97.68%	8.436	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	5.475	4.413	97.68%	8.089	≤ 30.00	Pass
11be-EHT80	MCS0	155	5775	3.310	2.768	97.82%	6.153	≤ 30.00	Pass

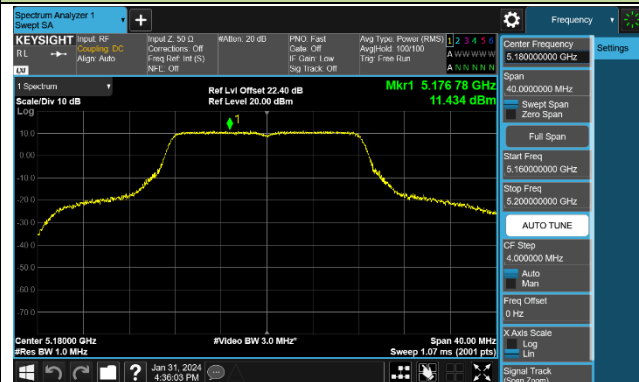
Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz).

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) + $10 \cdot \log (1/\text{Duty Cycle})$.

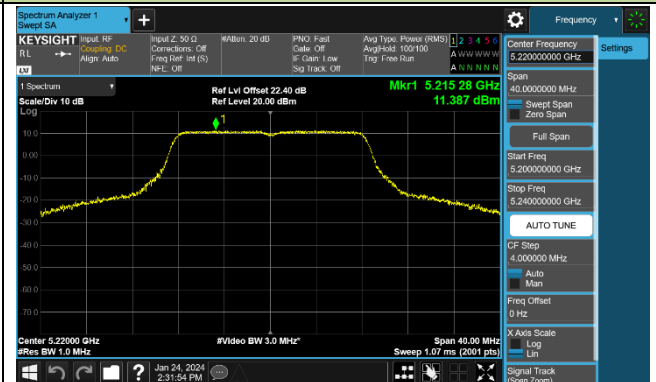
Note 2: PSD Limit (dBm/500kHz) = 30(dBm/500kHz).

802.11a Power Spectral Density - Ant 0

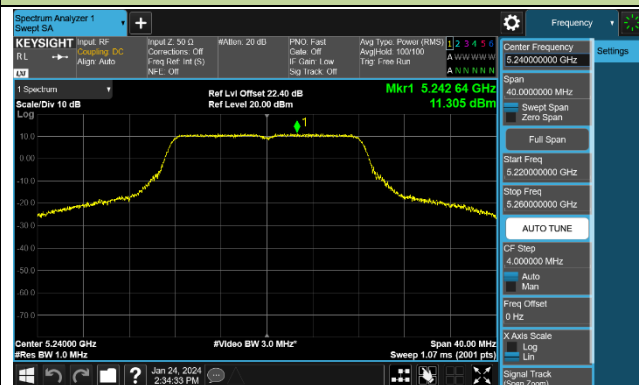
Channel 36 (5180MHz)



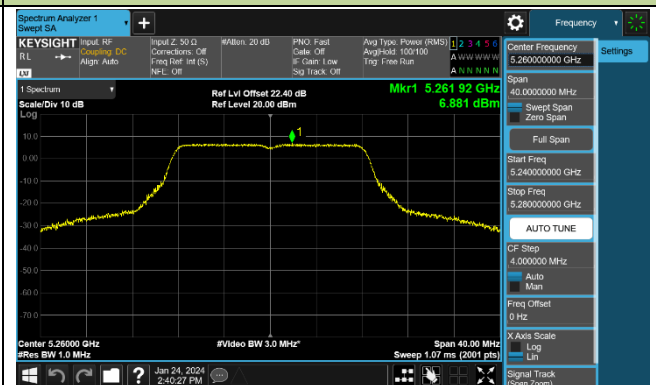
Channel 44 (5220MHz)



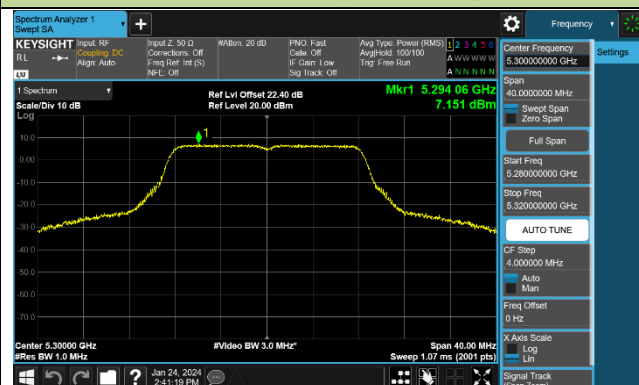
Channel 48 (5240MHz)



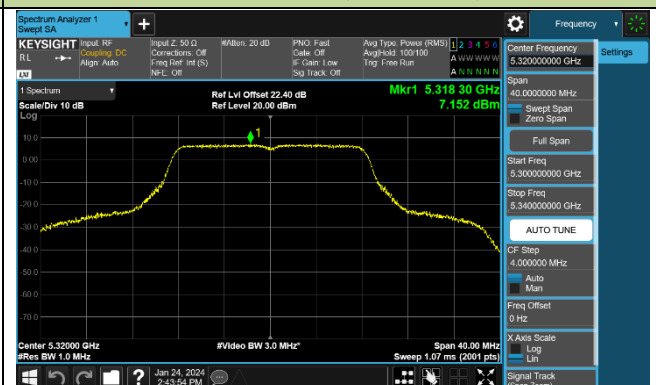
Channel 52 (5260MHz)



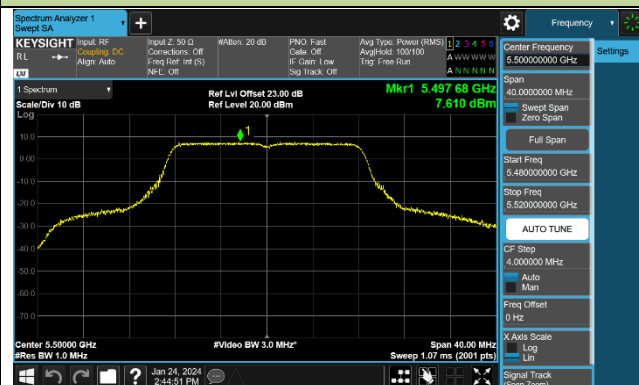
Channel 60 (5300MHz)



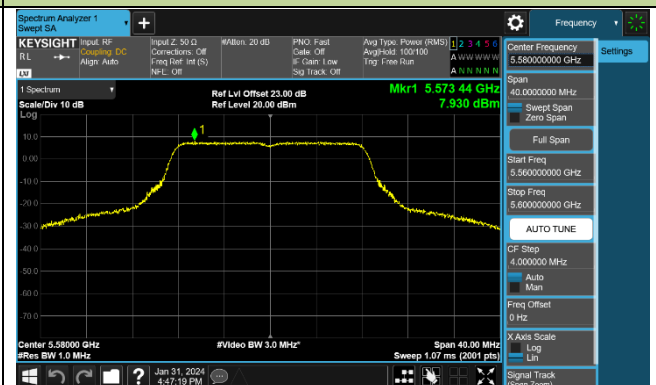
Channel 64 (5320MHz)

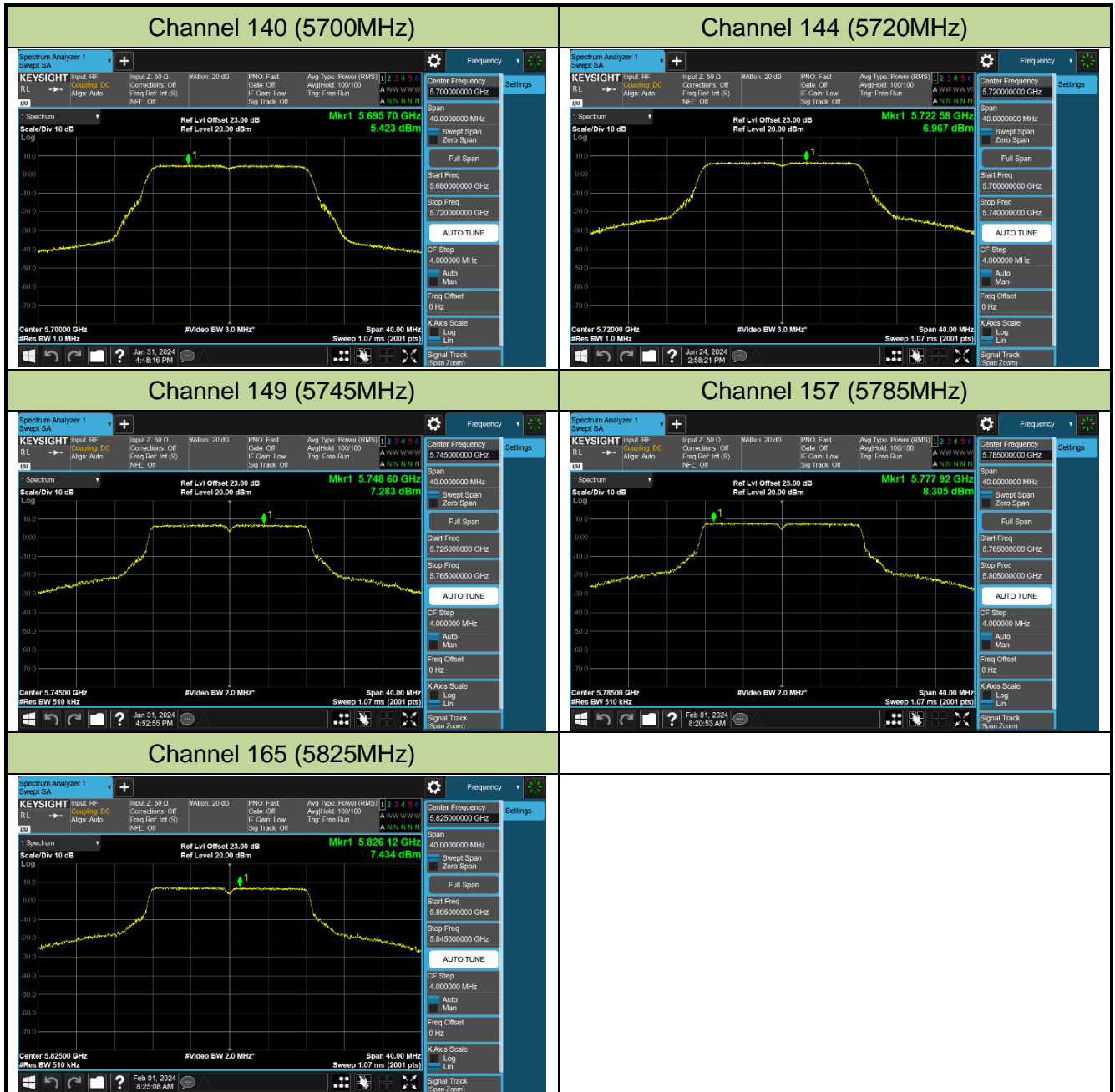


Channel 100 (5500MHz)



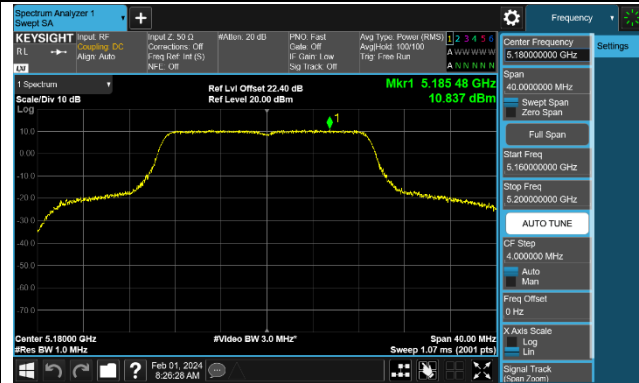
Channel 116 (5580MHz)



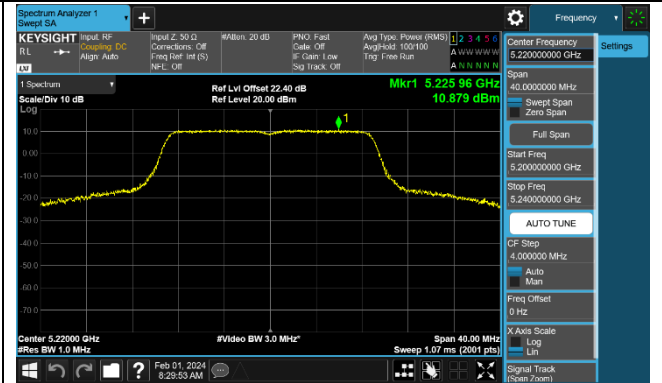


802.11ac-VHT20 Power Spectral Density - Ant 0

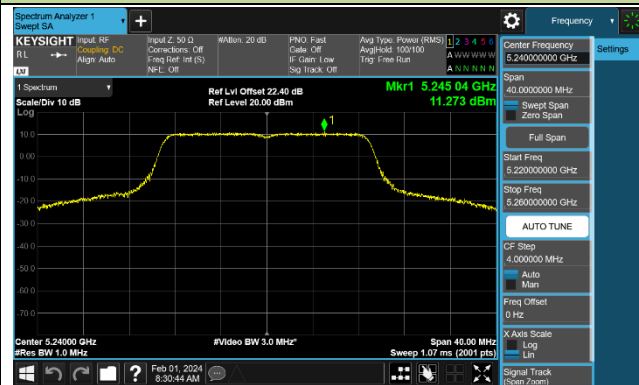
Channel 36 (5180MHz)



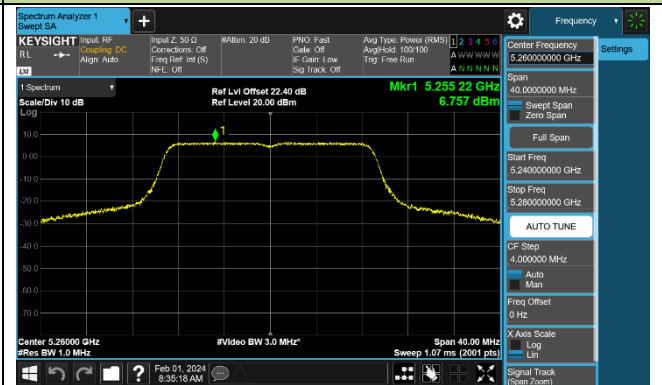
Channel 44 (5220MHz)



Channel 48 (5240MHz)



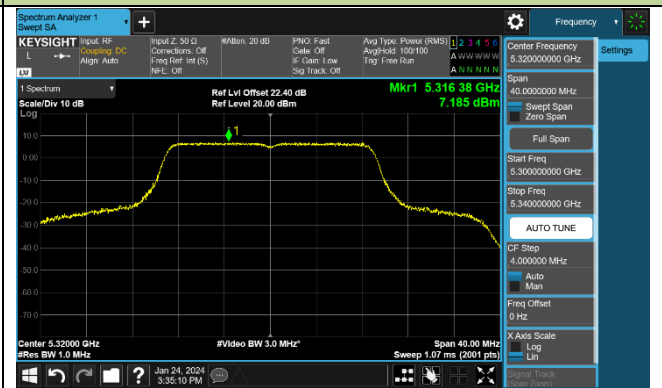
Channel 52 (5260MHz)



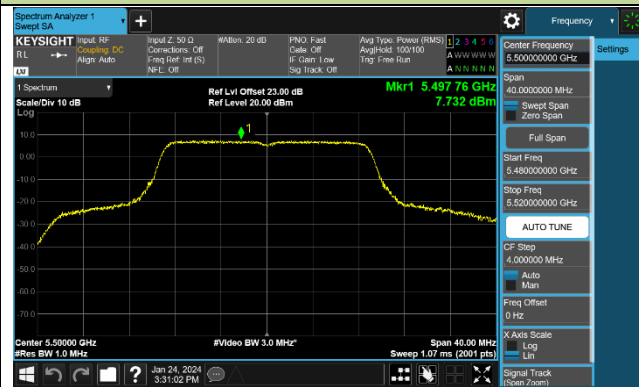
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

