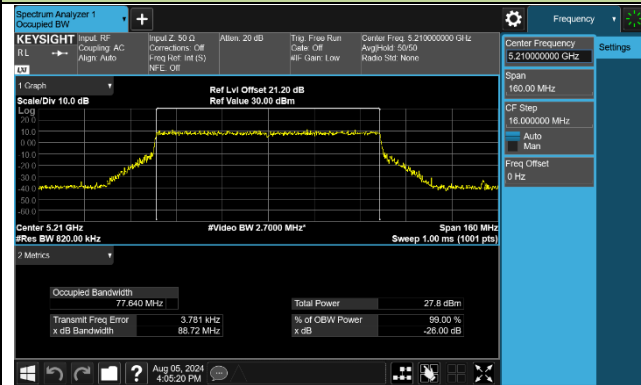
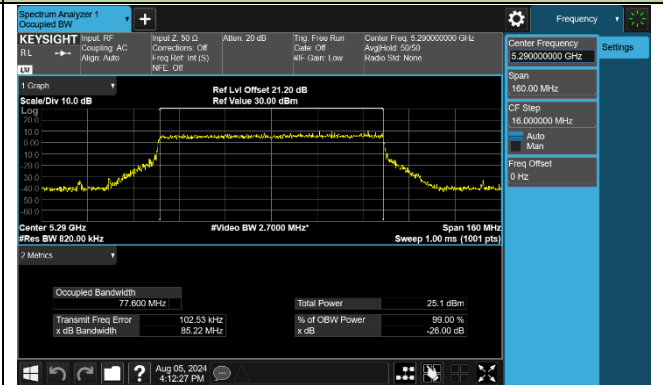


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

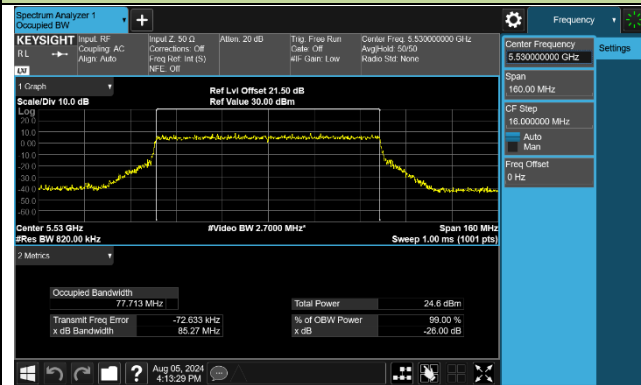
Channel 42 (5210MHz)



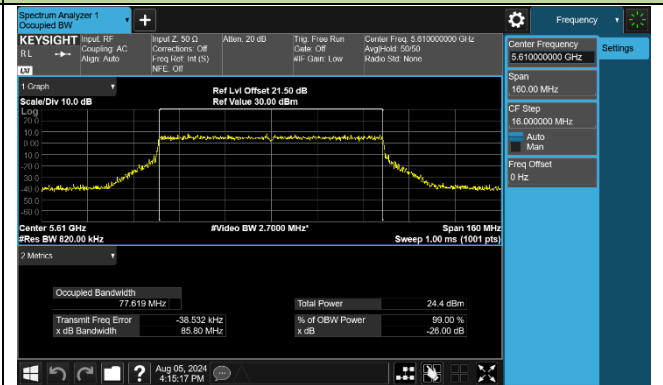
Channel 58 (5290MHz)



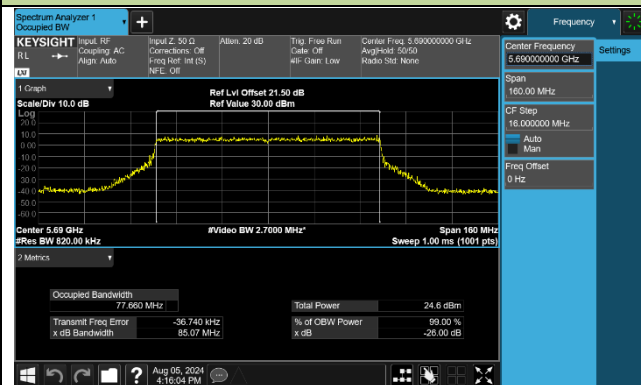
Channel 106 (5530MHz)



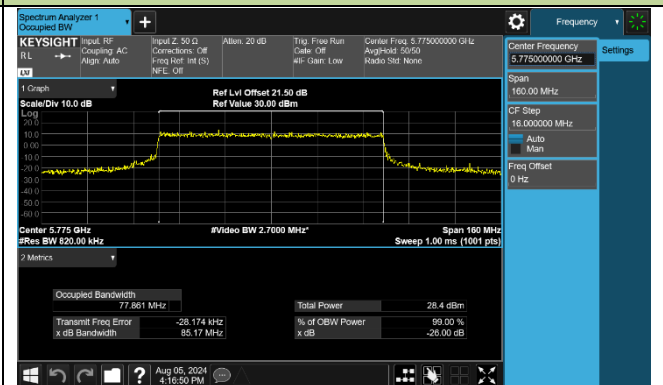
Channel 122 (5610MHz)



Channel 138 (5690MHz)

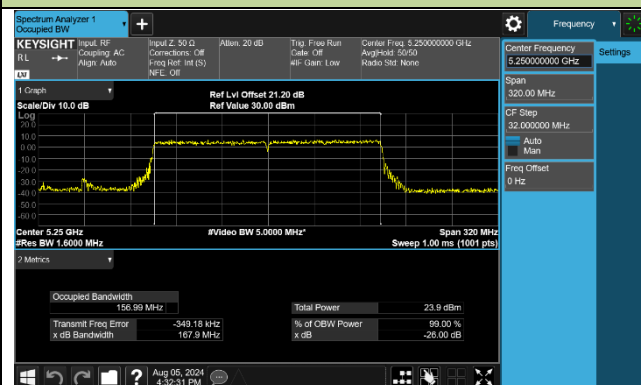


Channel 155 (5775MHz)

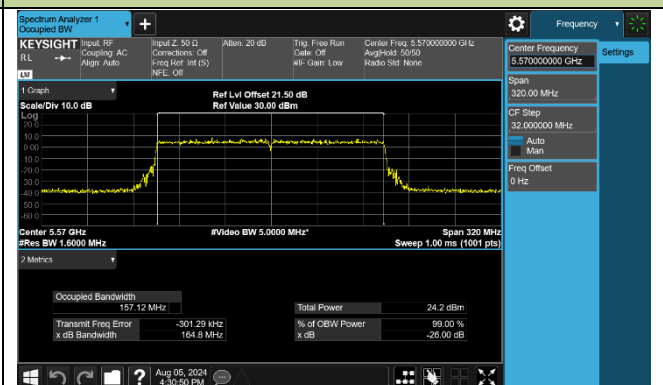


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

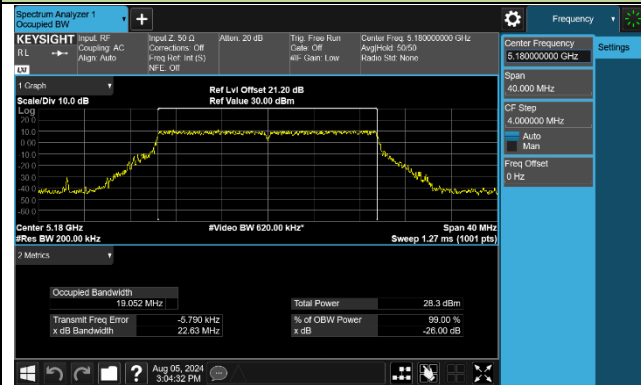


Channel 114 (5570MHz)

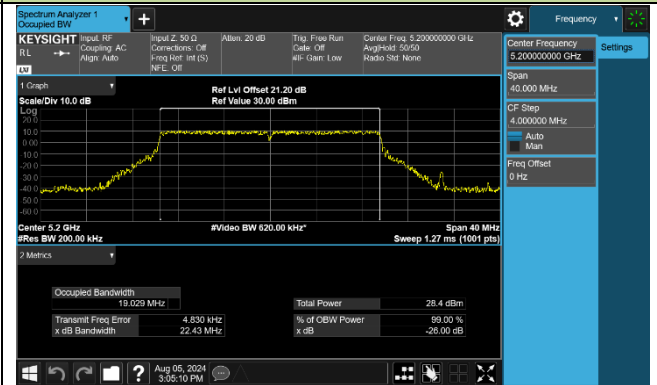


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

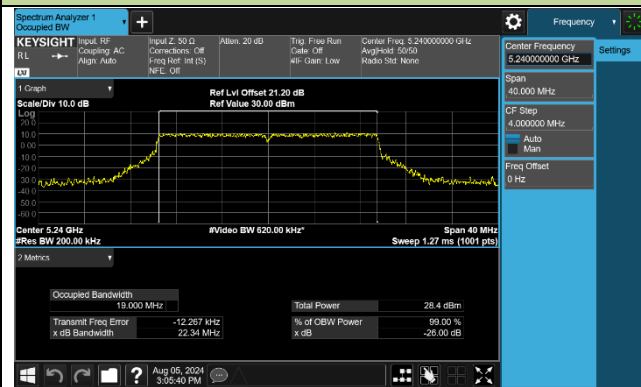
Channel 36 (5180MHz)



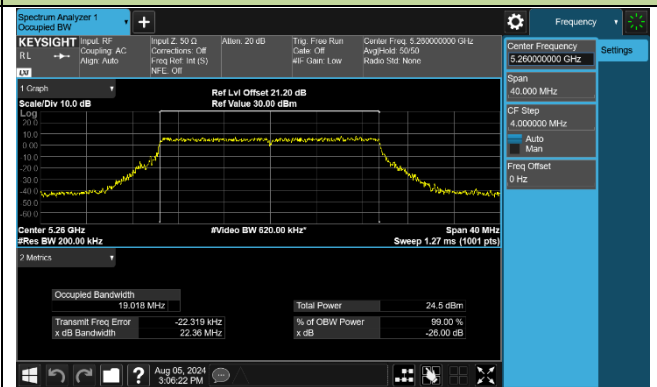
Channel 40 (5200MHz)



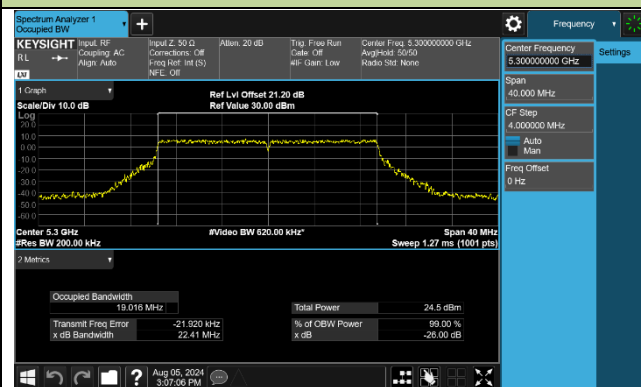
Channel 48 (5240MHz)



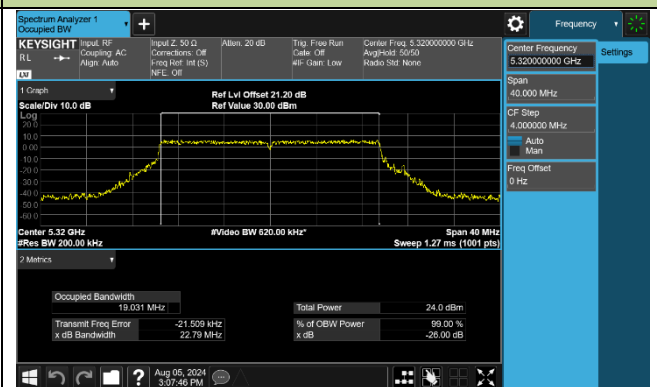
Channel 52 (5260MHz)



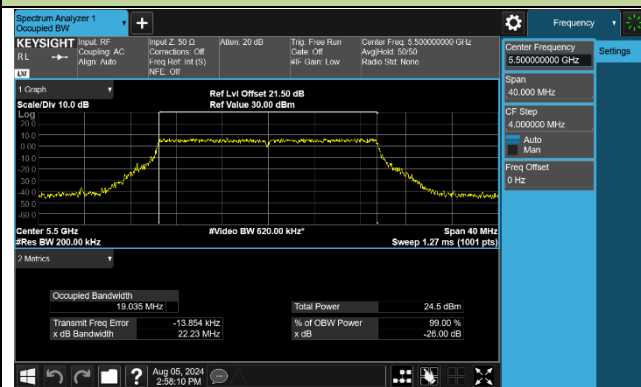
Channel 60 (5300MHz)



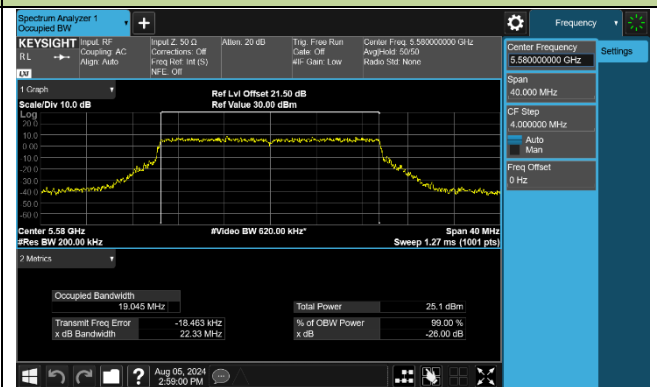
Channel 64 (5320MHz)

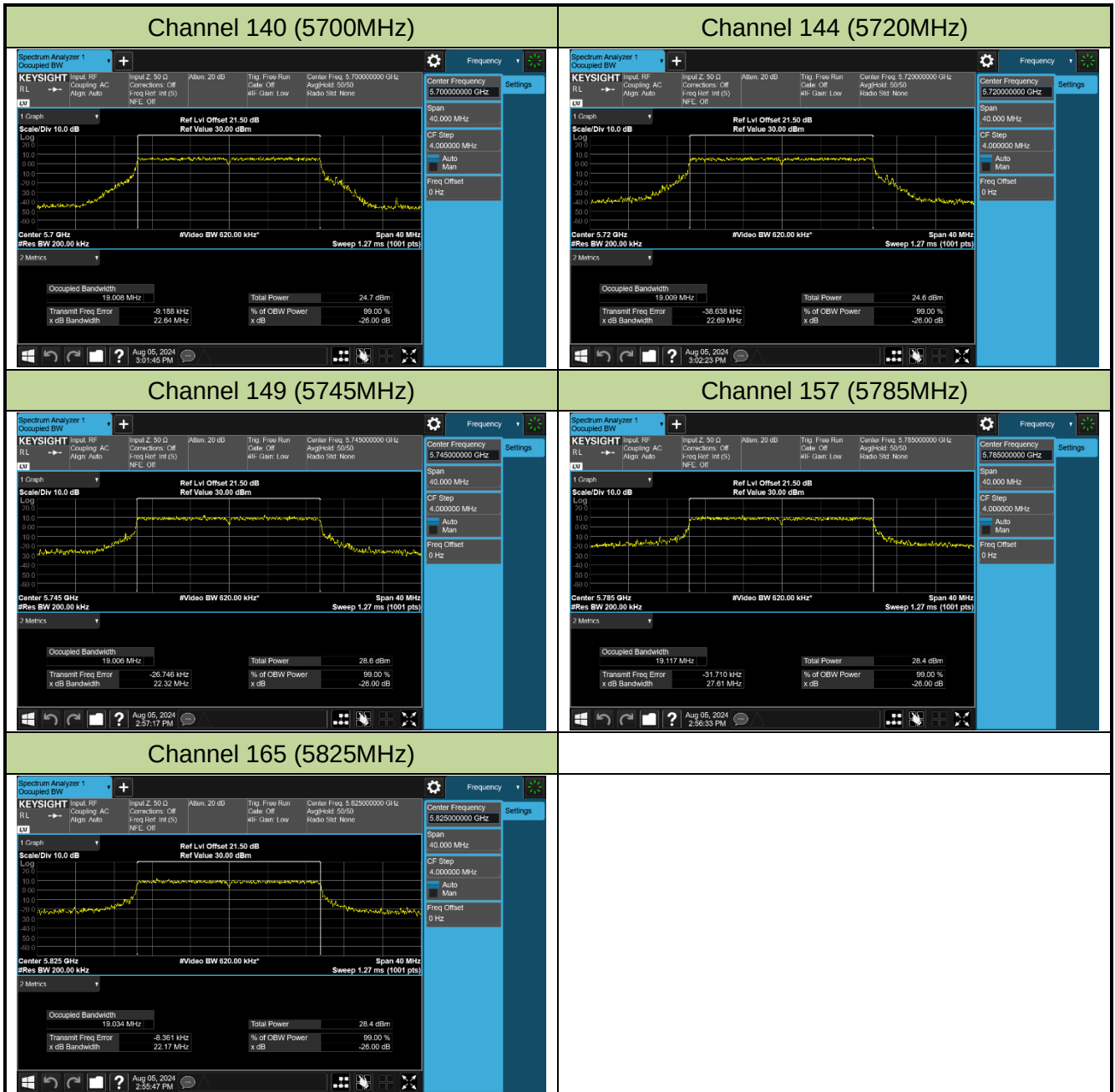


Channel 100 (5500MHz)



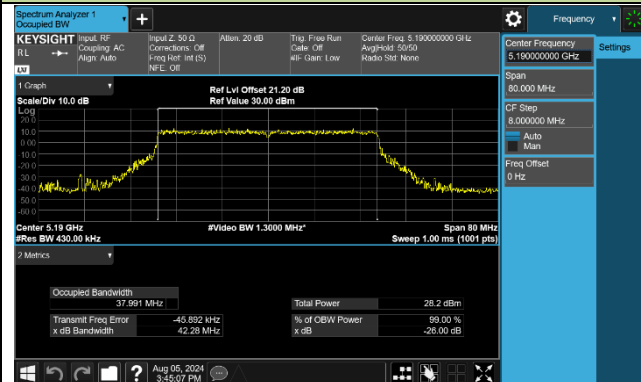
Channel 116 (5580MHz)



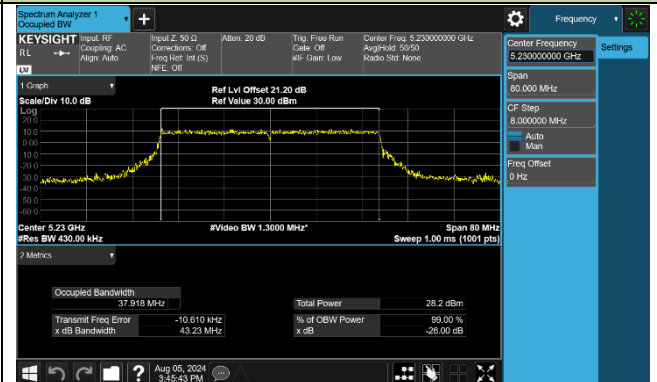


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

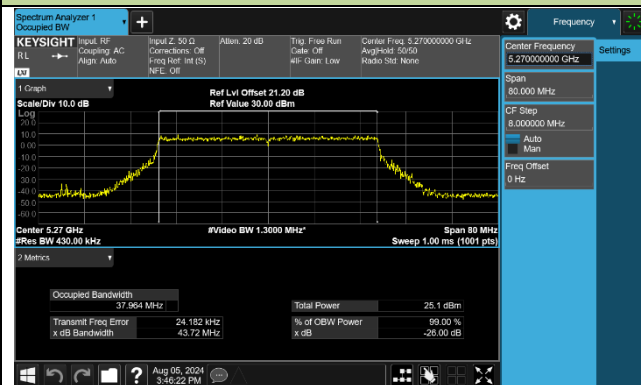
Channel 38 (5190MHz)



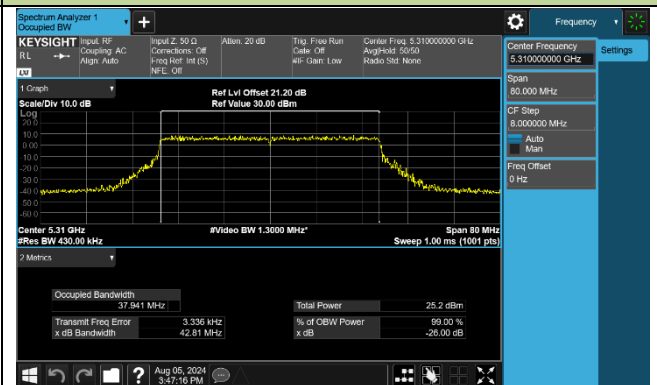
Channel 46 (5230MHz)



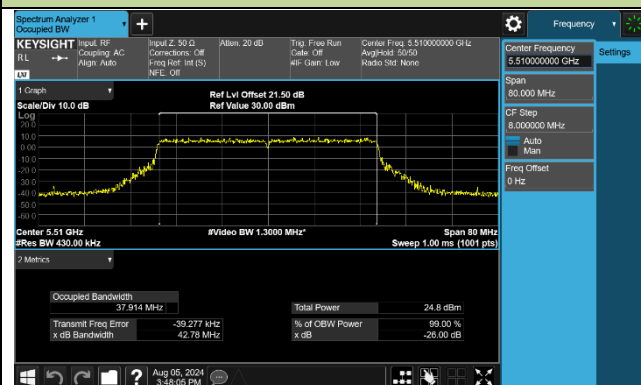
Channel 54 (5270MHz)



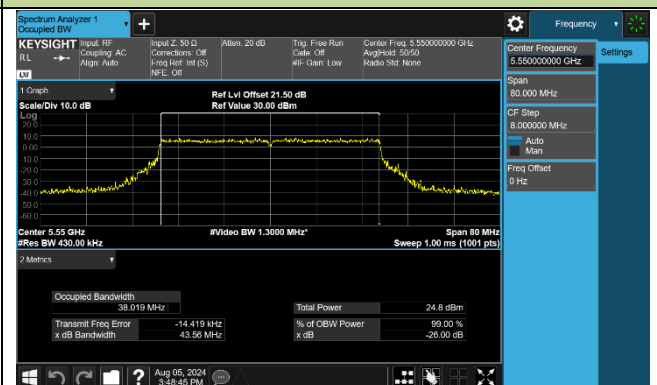
Channel 62 (5310MHz)



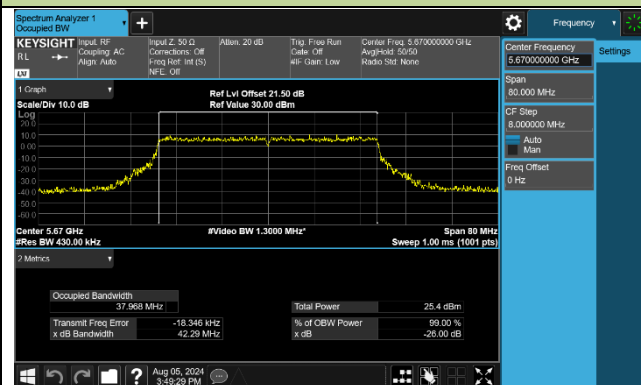
Channel 102 (5510MHz)



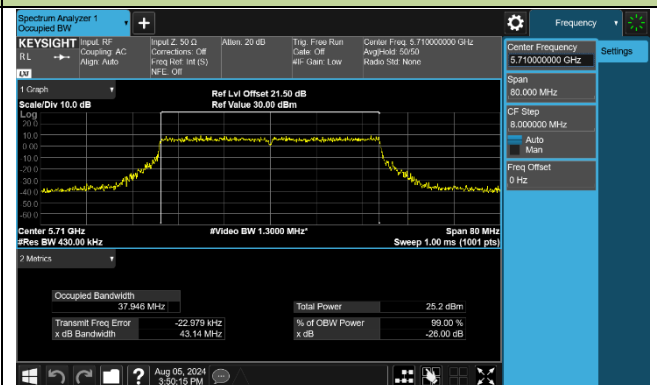
Channel 110 (5550MHz)

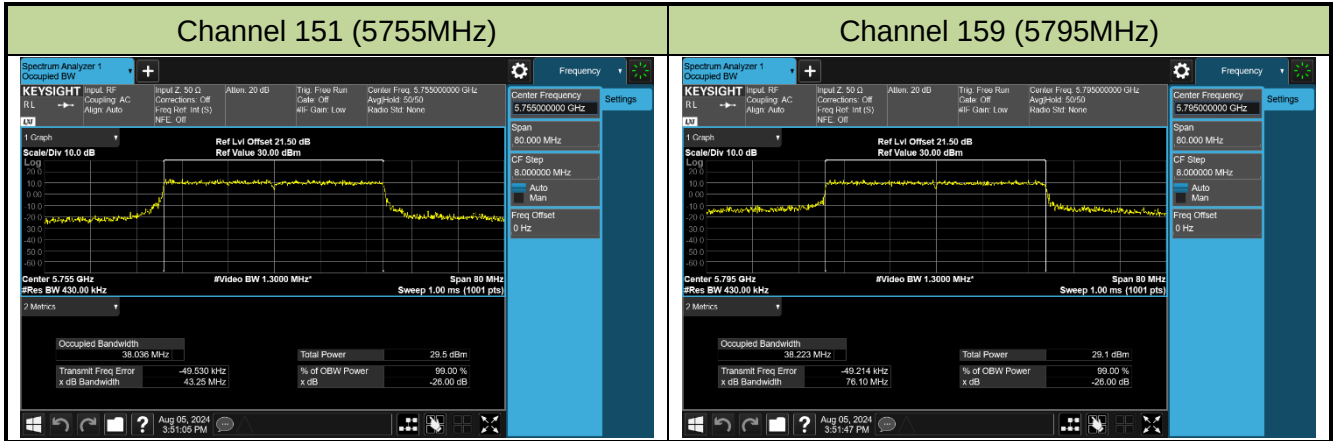


Channel 134 (5670MHz)



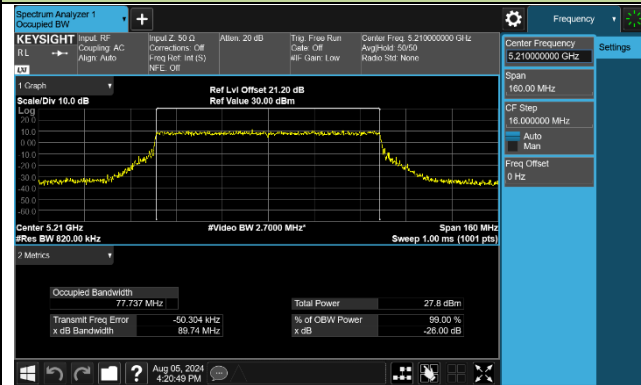
Channel 142 (5710MHz)



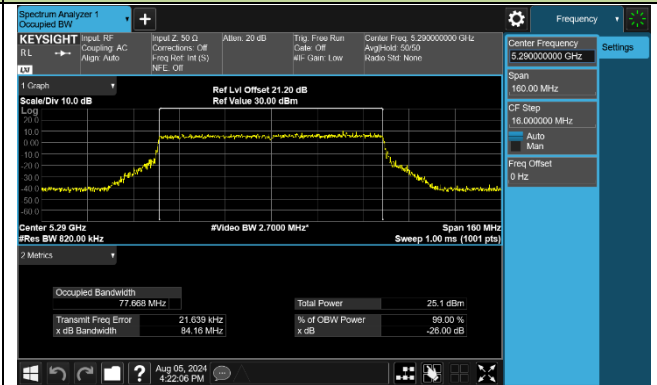


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

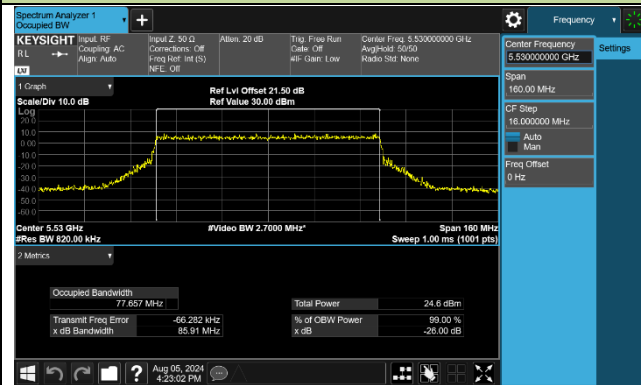
Channel 42 (5210MHz)



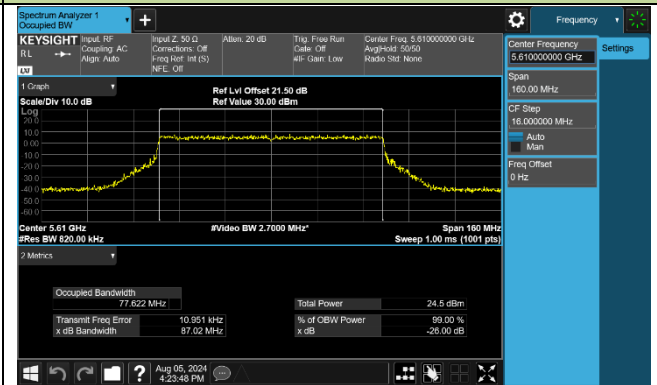
Channel 58 (5290MHz)



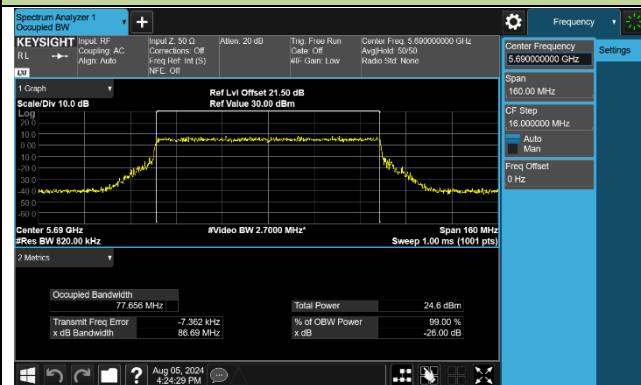
Channel 106 (5530MHz)



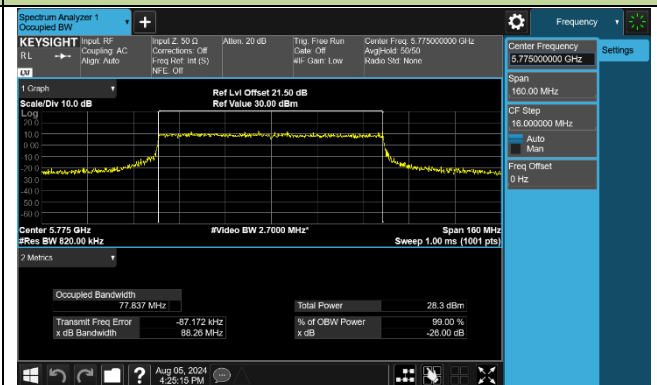
Channel 122 (5610MHz)



Channel 138 (5690MHz)

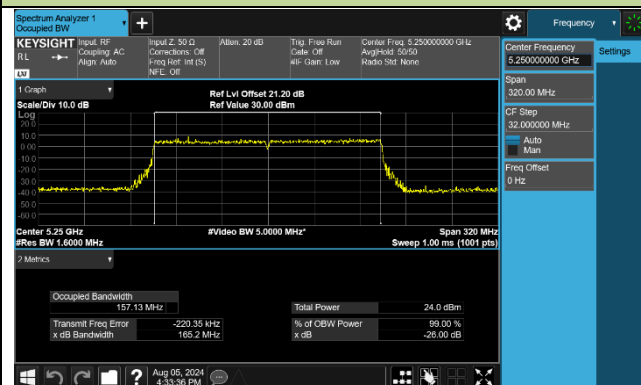


Channel 155 (5775MHz)

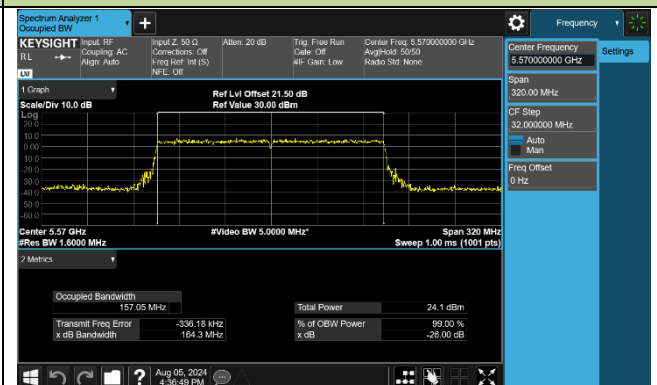


802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

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.

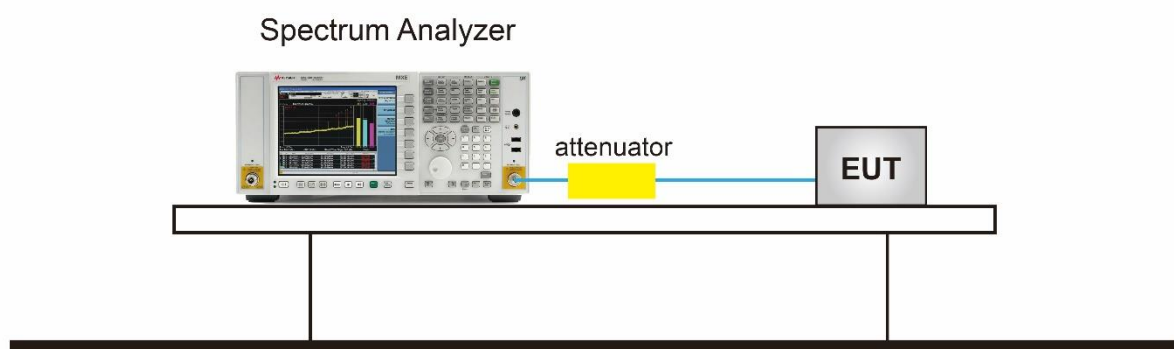
7.3.2. Test Procedure used

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



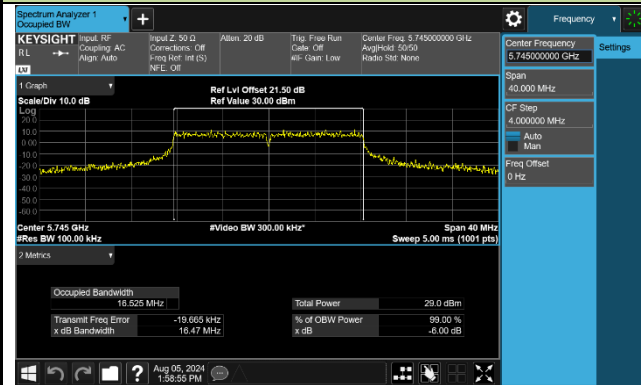
7.3.5.TestResult

Product	BE9300 Tri-Band Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR5	Test Date	2024/8/5

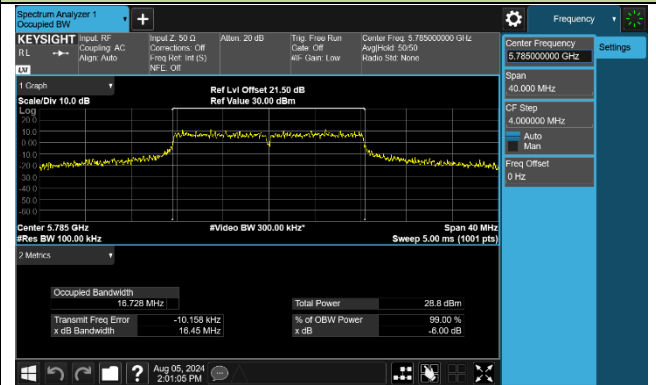
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1						
802.11a	6Mbps	149	5745	16.47	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.45	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.39	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.60	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.79	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.62	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.45	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.47	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.56	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	18.99	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	19.10	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	19.10	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	38.12	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.15	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	78.09	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	19.13	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	19.03	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	18.84	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	37.83	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	38.13	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	78.19	≥ 0.5	Pass

802.11a 6dB Bandwidth

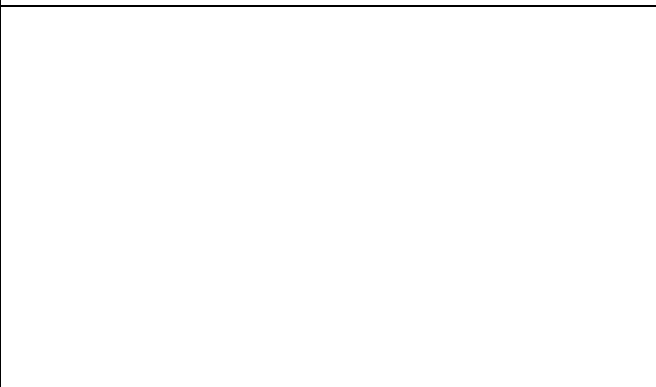
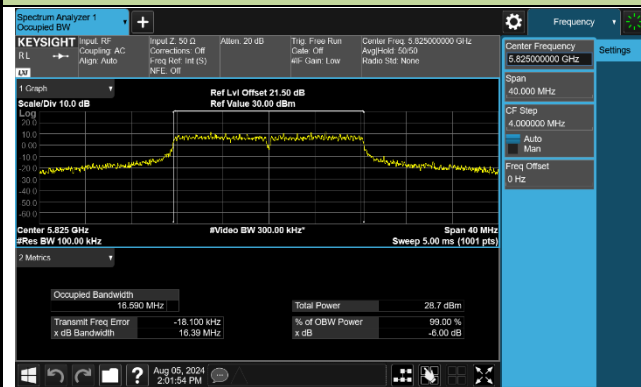
Channel 149 (5745MHz)



Channel 157 (5785MHz)

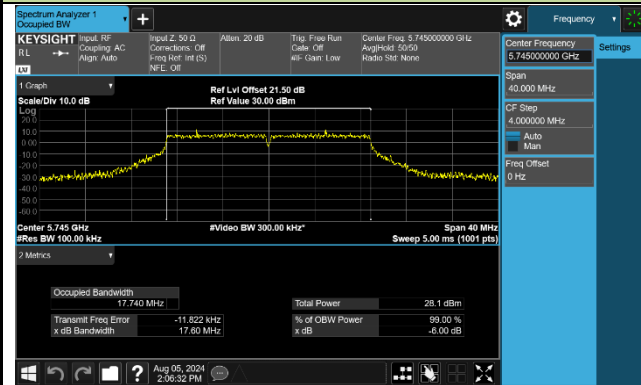


Channel 165 (5825MHz)

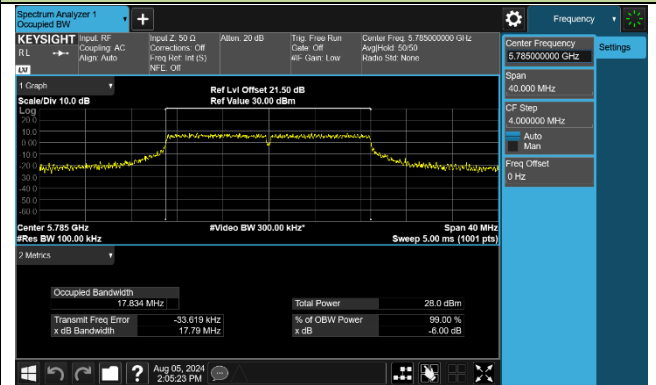


802.11ac-VHT20 6dB Bandwidth

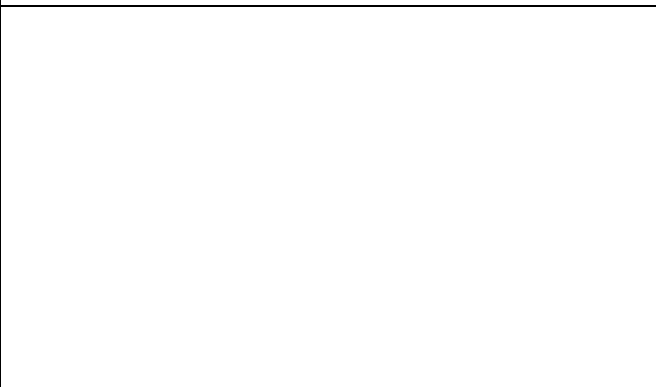
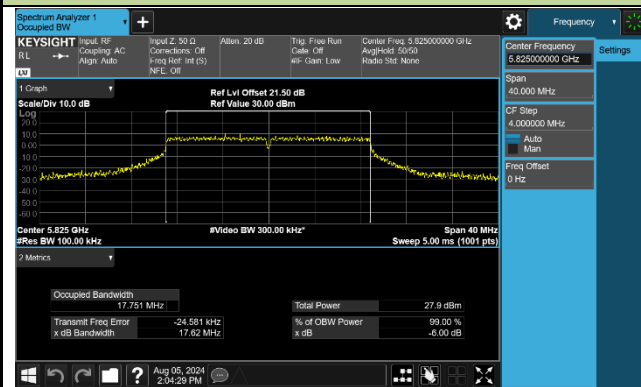
Channel 149 (5745MHz)



Channel 157 (5785MHz)

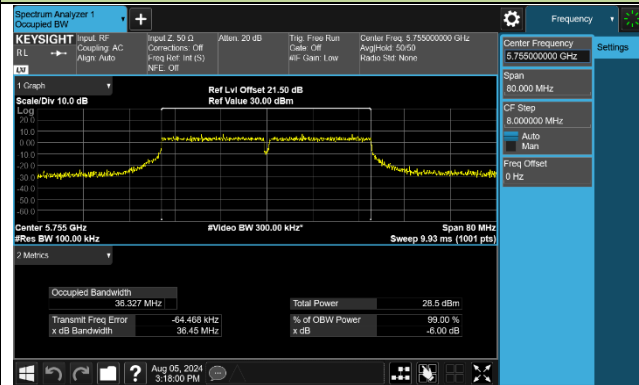


Channel 165 (5825MHz)

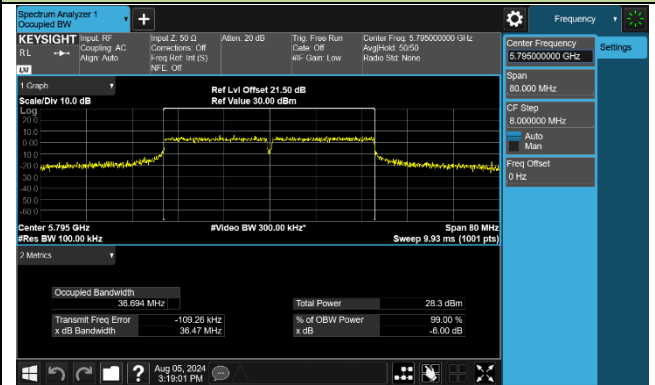


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

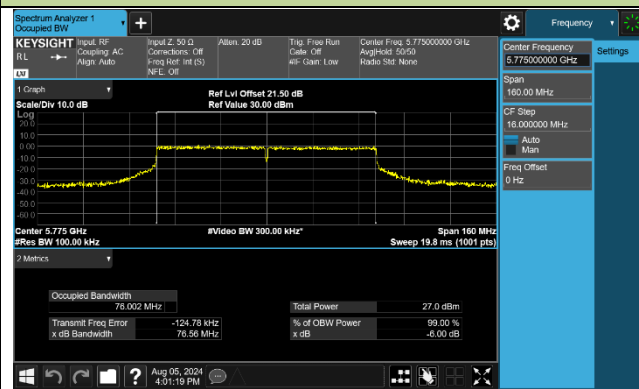


Channel 159 (5795MHz)



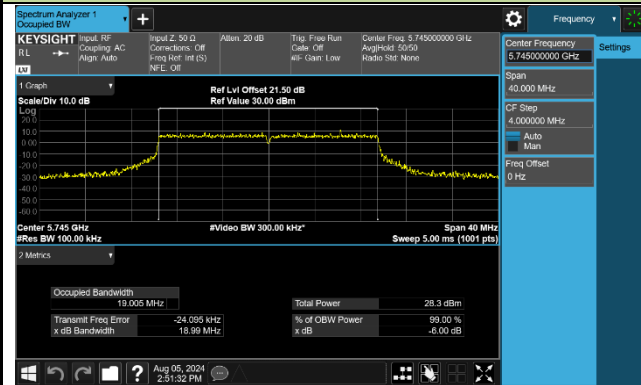
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

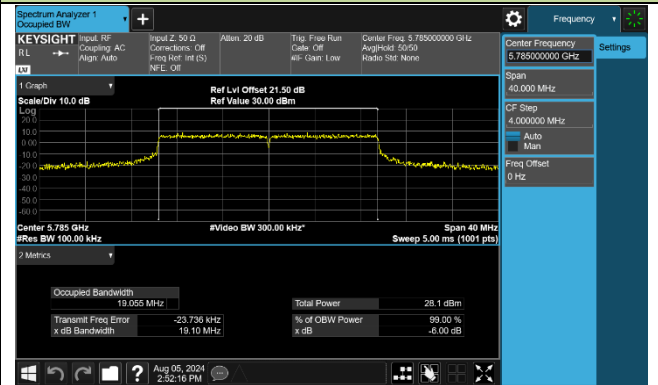


802.11ax-HE20 6dB Bandwidth

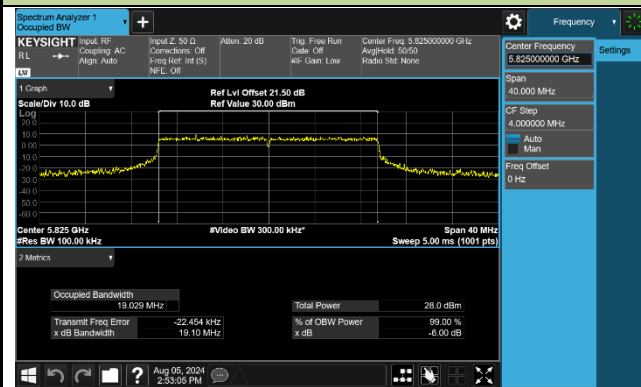
Channel 149 (5745MHz)



Channel 157 (5785MHz)

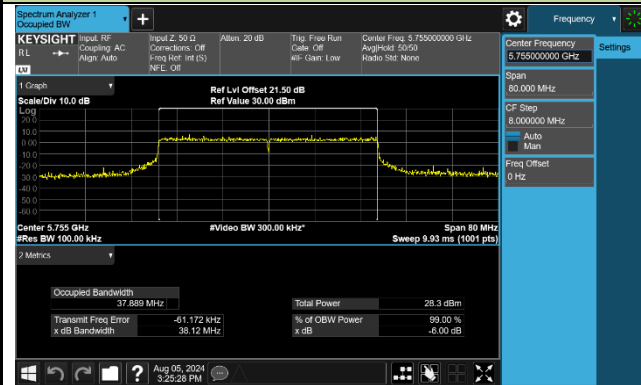


Channel 165 (5825MHz)

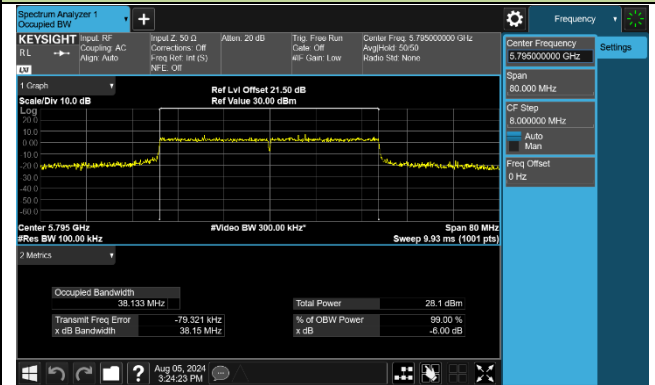


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

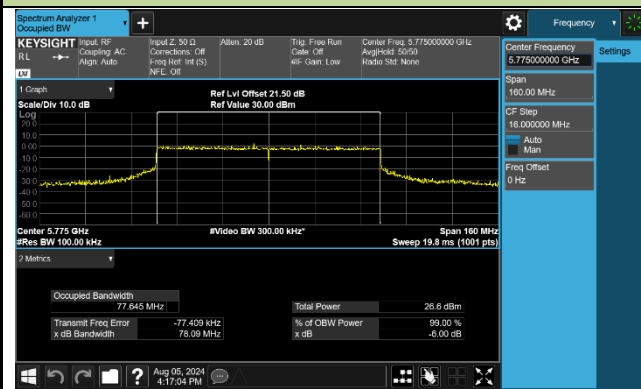


Channel 159 (5795MHz)



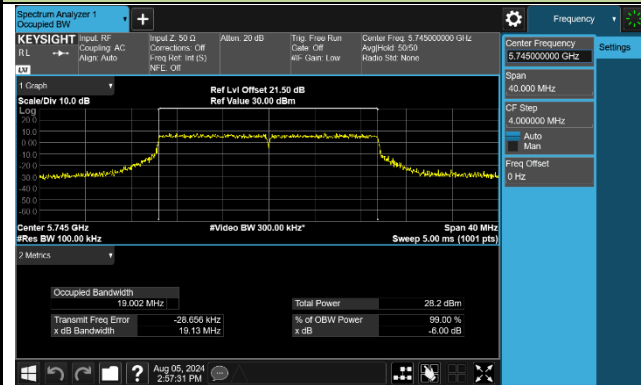
802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)

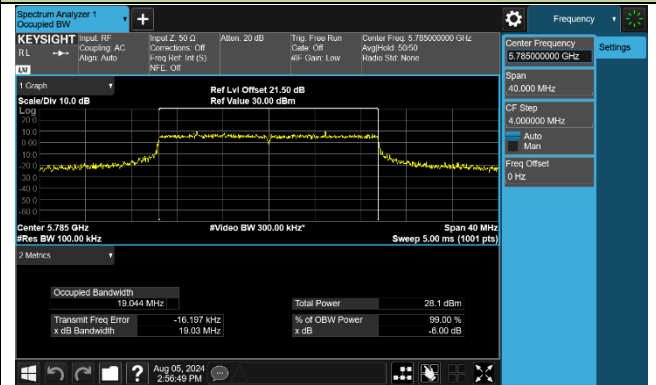


802.11be-EHT20 6dB Bandwidth

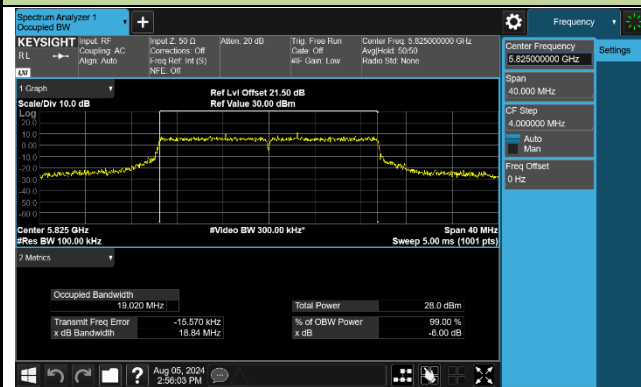
Channel 149 (5745MHz)



Channel 157 (5785MHz)

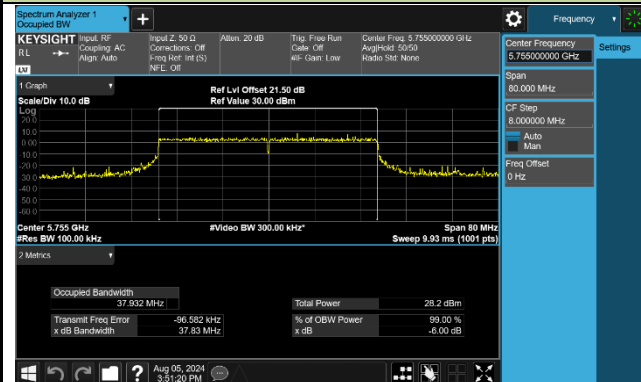


Channel 165 (5825MHz)

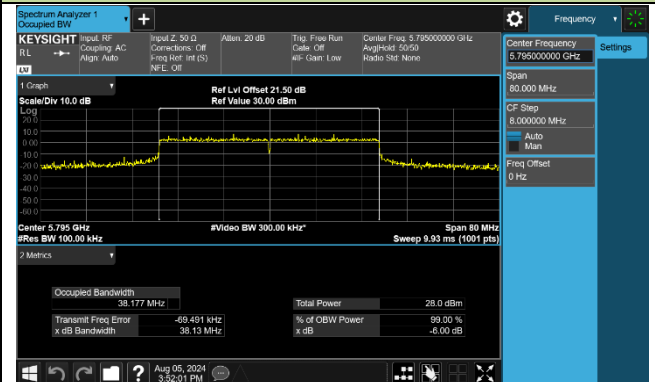


802.11be-EHT 40 6dB Bandwidth

Channel 151 (5755MHz)

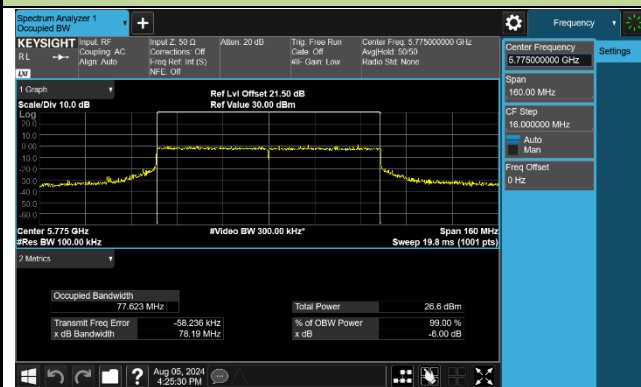


Channel 159 (5795MHz)



802.11be-EHT 80 6dB Bandwidth

Channel 155 (5775MHz)



7.4. Output Power Measurement

7.4.1. Test Limit

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

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

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

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

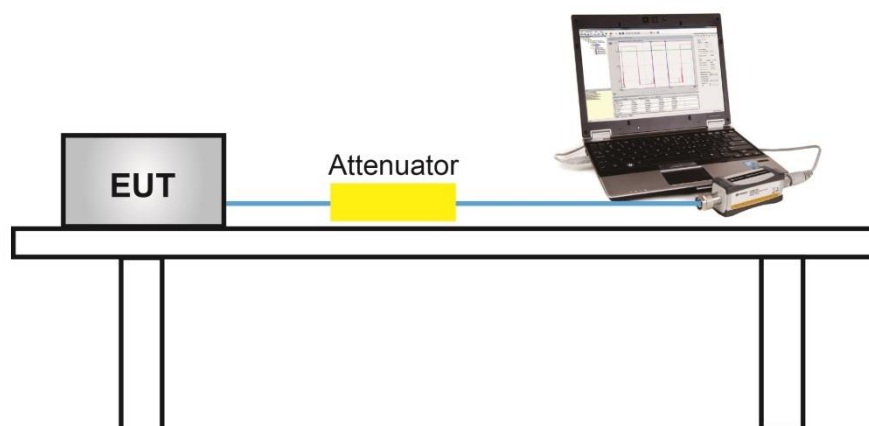
7.4.2. Test Procedure Used

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

7.4.3. Test Setting

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

7.4.4. Test Setup



7.4.5. Test Result

Product	BE9300 Tri-Band Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR5	Test Date	2024/8/5
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	24.13	24.42	27.29	≤ 30.00	Pass
11a	6Mbps	40	5200	24.32	24.48	27.41	≤ 30.00	Pass
11a	6Mbps	48	5240	24.11	24.36	27.25	≤ 30.00	Pass
11a	6Mbps	52	5260	19.63	19.15	22.41	≤ 23.98	Pass
11a	6Mbps	60	5300	19.41	19.87	22.66	≤ 23.98	Pass
11a	6Mbps	64	5320	19.15	19.38	22.28	≤ 23.98	Pass
11a	6Mbps	100	5500	19.52	19.98	22.77	≤ 23.98	Pass
11a	6Mbps	116	5580	19.67	20.19	22.95	≤ 23.98	Pass
11a	6Mbps	140	5700	19.16	19.96	22.59	≤ 23.98	Pass
11a	6Mbps	144	5720	18.98	19.90	22.47	≤ 23.15	Pass
11a	6Mbps	149	5745	23.33	24.73	27.10	≤ 30.00	Pass
11a	6Mbps	157	5785	23.71	24.56	27.17	≤ 30.00	Pass
11a	6Mbps	165	5825	23.48	24.52	27.04	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	24.22	24.55	27.40	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5200	24.38	24.58	27.49	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.08	24.53	27.32	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	19.35	19.78	22.58	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	19.55	20.15	22.87	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	19.04	19.56	22.32	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	19.21	19.87	22.56	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	19.42	20.02	22.74	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	19.18	20.06	22.65	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	18.95	19.93	22.48	≤ 23.05	Pass
11ac-VHT20	MCS0	149	5745	23.31	24.83	27.15	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	23.68	24.63	27.19	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	23.36	24.58	27.02	≤ 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	22.41	22.68	25.56	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.26	24.56	27.42	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.40	21.07	23.76	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.36	20.89	23.64	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	20.24	20.84	23.56	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.61	21.03	23.84	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.36	21.15	23.78	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.13	21.54	23.90	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	23.30	25.26	27.40	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	23.72	25.21	27.54	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	23.12	23.40	26.27	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.62	21.18	23.92	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	20.29	20.97	23.65	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.18	20.85	23.54	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.20	20.75	23.49	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	23.32	24.57	27.00	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	20.12	20.64	23.40	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	20.17	21.01	23.62	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	24.32	24.62	27.48	≤ 30.00	Pass
11ax-HE20	MCS0	40	5200	24.43	24.74	27.60	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.28	24.63	27.47	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	19.45	19.91	22.70	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	19.78	20.21	23.01	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	20.04	20.28	23.17	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	19.65	20.23	22.96	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	19.75	20.63	23.22	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	19.60	20.46	23.06	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.46	20.51	23.03	≤ 23.11	Pass
11ax-HE20	MCS0	149	5745	23.40	24.96	27.26	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	23.79	24.83	27.35	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.45	24.55	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)	Average Power Limit (dBm)	Result
11ax-HE40	MCS0	38	5190	23.63	23.72	26.69	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.24	24.62	27.44	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.49	21.06	23.79	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	20.24	20.79	23.53	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	20.11	20.80	23.48	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.51	21.07	23.81	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	20.27	21.13	23.73	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.32	20.99	23.68	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	23.39	25.31	27.47	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	23.78	25.07	27.48	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	24.13	24.42	27.29	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.60	21.15	23.89	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	20.24	21.22	23.77	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.26	20.96	23.63	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.28	20.81	23.56	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	23.50	24.54	27.06	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	20.14	20.59	23.38	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	20.19	21.04	23.65	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	24.25	24.57	27.42	≤ 30.00	Pass
11be-EHT20	MCS0	40	5200	24.38	24.65	27.53	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	24.24	24.56	27.41	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	20.08	20.32	23.21	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	19.74	20.22	23.00	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	19.02	19.32	22.18	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	19.73	20.20	22.98	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	20.43	20.93	23.70	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	19.99	20.66	23.35	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	19.60	20.35	23.00	≤ 23.17	Pass
11be-EHT20	MCS0	149	5745	23.36	24.89	27.20	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	23.80	24.75	27.31	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	23.46	24.52	27.03	≤ 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	23.40	23.56	26.49	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	24.16	24.43	27.31	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.58	20.86	23.73	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	20.21	20.71	23.48	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	20.23	20.69	23.48	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.25	20.91	23.60	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	20.23	21.00	23.64	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.20	20.95	23.60	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	23.21	25.22	27.34	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	23.70	25.03	27.43	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	23.37	23.43	26.41	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	20.57	21.18	23.90	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	20.31	21.06	23.71	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.30	20.89	23.62	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.26	20.92	23.61	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	23.41	24.60	27.06	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	20.17	20.66	23.43	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	20.11	20.99	23.58	≤ 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	BE9300 Tri-Band Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR5	Test Date	2024/8/5
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)	Average Power Limit (dBm)	Result
11ac-VHT20	MCS0	36	5180	24.22	24.55	27.40	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5200	24.38	24.58	27.49	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.08	24.53	27.32	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	19.35	19.78	22.58	≤ 23.97	Pass
11ac-VHT20	MCS0	60	5300	19.55	20.15	22.87	≤ 23.97	Pass
11ac-VHT20	MCS0	64	5320	19.04	19.56	22.32	≤ 23.97	Pass
11ac-VHT20	MCS0	100	5500	19.21	19.87	22.56	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	19.42	20.02	22.74	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	19.18	20.06	22.65	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	18.95	19.93	22.48	≤ 23.13	Pass
11ac-VHT20	MCS0	149	5745	23.31	24.83	27.15	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	23.68	24.63	27.19	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	23.36	24.58	27.02	≤ 29.99	Pass
11ac-VHT40	MCS0	38	5190	22.41	22.68	25.56	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.26	24.56	27.42	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.40	21.07	23.76	≤ 23.97	Pass
11ac-VHT40	MCS0	62	5310	20.36	20.89	23.64	≤ 23.97	Pass
11ac-VHT40	MCS0	102	5510	20.24	20.84	23.56	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.61	21.03	23.84	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.36	21.15	23.78	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.13	21.54	23.90	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	23.30	25.26	27.40	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	23.72	25.21	27.54	≤ 29.99	Pass
11ac-VHT80	MCS0	42	5210	23.12	23.40	26.27	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.62	21.18	23.92	≤ 23.97	Pass
11ac-VHT80	MCS0	106	5530	20.29	20.97	23.65	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.18	20.85	23.54	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.20	20.75	23.49	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	23.32	24.57	27.00	≤ 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)	Average Power Limit (dBm)	Result
11ac-VHT160	MCS0	50	5250	20.12	20.64	23.40	≤ 23.97	Pass
11ac-VHT160	MCS0	114	5570	20.17	21.01	23.62	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	24.32	24.62	27.48	≤ 30.00	Pass
11ax-HE20	MCS0	40	5200	24.43	24.74	27.60	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.28	24.63	27.47	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	19.45	19.91	22.70	≤ 23.97	Pass
11ax-HE20	MCS0	60	5300	19.78	20.21	23.01	≤ 23.97	Pass
11ax-HE20	MCS0	64	5320	20.04	20.28	23.17	≤ 23.97	Pass
11ax-HE20	MCS0	100	5500	19.65	20.23	22.96	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	19.75	20.63	23.22	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	19.60	20.46	23.06	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.46	20.51	23.03	≤ 23.19	Pass
11ax-HE20	MCS0	149	5745	23.40	24.96	27.26	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	23.79	24.83	27.35	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	23.45	24.55	27.05	≤ 29.99	Pass
11ax-HE40	MCS0	38	5190	23.63	23.72	26.69	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.24	24.62	27.44	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.49	21.06	23.79	≤ 23.97	Pass
11ax-HE40	MCS0	62	5310	20.24	20.79	23.53	≤ 23.97	Pass
11ax-HE40	MCS0	102	5510	20.11	20.80	23.48	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.51	21.07	23.81	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	20.27	21.13	23.73	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.32	20.99	23.68	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	23.39	25.31	27.47	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	23.78	25.07	27.48	≤ 29.99	Pass
11ax-HE80	MCS0	42	5210	24.13	24.42	27.29	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.60	21.15	23.89	≤ 23.97	Pass
11ax-HE80	MCS0	106	5530	20.24	21.22	23.77	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.26	20.96	23.63	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.28	20.81	23.56	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	23.50	24.54	27.06	≤ 29.99	Pass
11ax-HE160	MCS0	50	5250	20.14	20.59	23.38	≤ 23.97	Pass
11ax-HE160	MCS0	114	5570	20.19	21.04	23.65	≤ 23.98	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-EHT20	MCS0	36	5180	24.25	24.57	27.42	≤ 30.00	Pass
11be-EHT20	MCS0	40	5200	24.38	24.65	27.53	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	24.24	24.56	27.41	≤ 23.97	Pass
11be-EHT20	MCS0	52	5260	20.08	20.32	23.21	≤ 23.97	Pass
11be-EHT20	MCS0	60	5300	19.74	20.22	23.00	≤ 23.97	Pass
11be-EHT20	MCS0	64	5320	19.02	19.32	22.18	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	19.73	20.20	22.98	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	20.43	20.93	23.70	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	19.99	20.66	23.35	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	19.60	20.35	23.00	≤ 23.25	Pass
11be-EHT20	MCS0	149	5745	23.36	24.89	27.20	≤ 29.99	Pass
11be-EHT20	MCS0	157	5785	23.80	24.75	27.31	≤ 29.99	Pass
11be-EHT20	MCS0	165	5825	23.46	24.52	27.03	≤ 29.99	Pass
11be-EHT40	MCS0	38	5190	23.40	23.56	26.49	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	24.16	24.43	27.31	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.58	20.86	23.73	≤ 23.97	Pass
11be-EHT40	MCS0	62	5310	20.21	20.71	23.48	≤ 23.97	Pass
11be-EHT40	MCS0	102	5510	20.23	20.69	23.48	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.25	20.91	23.60	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	20.23	21.00	23.64	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.20	20.95	23.60	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	23.21	25.22	27.34	≤ 29.99	Pass
11be-EHT40	MCS0	159	5795	23.70	25.03	27.43	≤ 29.99	Pass
11be-EHT80	MCS0	42	5210	23.37	23.43	26.41	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	20.57	21.18	23.90	≤ 23.97	Pass
11be-EHT80	MCS0	106	5530	20.31	21.06	23.71	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.30	20.89	23.62	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.26	20.92	23.61	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	23.41	24.60	27.06	≤ 29.99	Pass
11be-EHT160	MCS0	50	5250	20.17	20.66	23.43	≤ 23.97	Pass
11be-EHT160	MCS0	114	5570	20.11	20.99	23.58	≤ 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 5150 - 5250MHz Band: Average Power Limit (dBm) = 30dBm

For 5250 - 5350MHz Band: Average Power Limit (dBm) = $23.98 - (6.01 - 6) = 23.97\text{dBm}$

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

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

For Channel 144 (5720MHz), Average Power Limit (dBm) = $11 + 10 \cdot \log(5\text{MHz} + \text{BW}_{26\text{dBc}}/2) - (6.01 - 6)$

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.

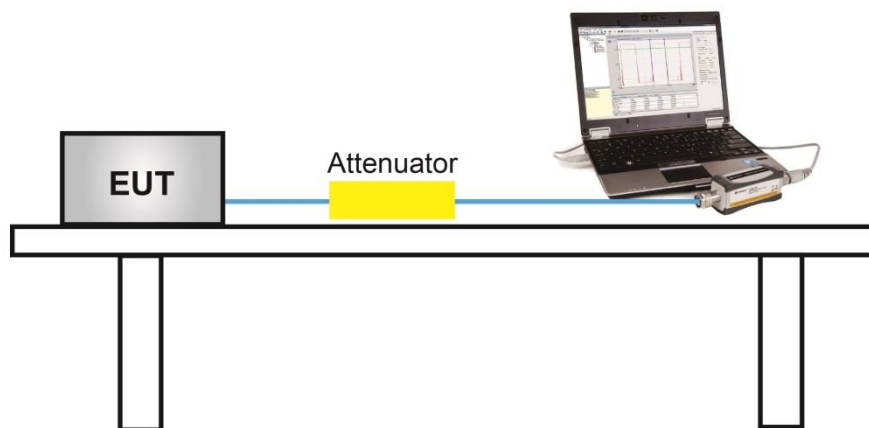
7.5.2. Test Procedure Used

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.

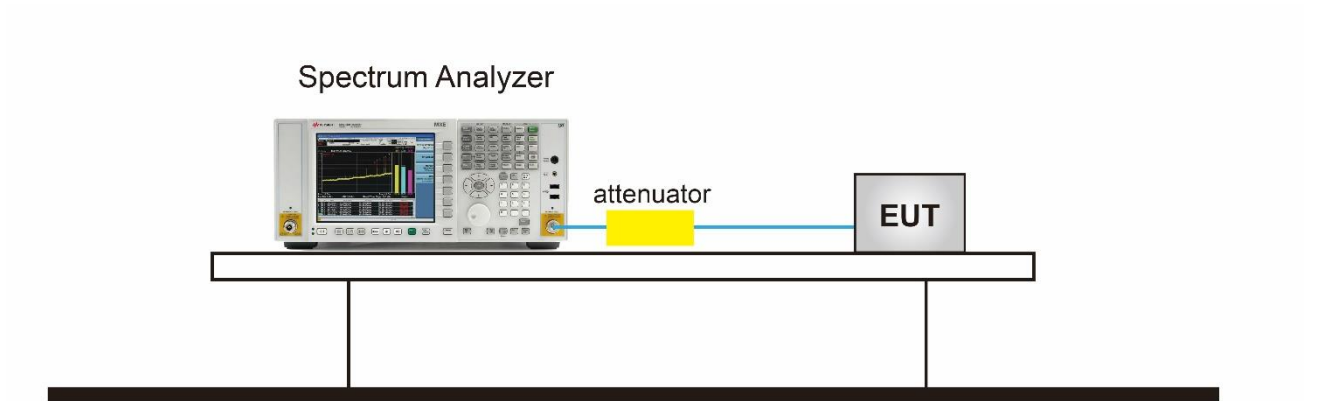
7.6.2. Test Procedure Used

KDB 789033 D02v02r01-Section 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	BE9300 Tri-Band Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR5	Test Date	2024/7/13~2024/8/8
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	11.721	11.949	98.95%	14.893	≤ 17.00	Pass
11a	6Mbps	40	5200	11.809	11.981	98.95%	14.952	≤ 17.00	Pass
11a	6Mbps	48	5240	11.743	12.063	98.95%	14.962	≤ 17.00	Pass
11a	6Mbps	52	5260	7.513	7.584	98.95%	10.605	≤ 10.99	Pass
11a	6Mbps	60	5300	7.606	8.100	98.95%	10.916	≤ 10.99	Pass
11a	6Mbps	64	5320	7.309	7.856	98.95%	10.647	≤ 10.99	Pass
11a	6Mbps	100	5500	7.560	7.971	98.95%	10.827	≤ 11.00	Pass
11a	6Mbps	116	5580	7.350	8.133	98.95%	10.815	≤ 11.00	Pass
11a	6Mbps	140	5700	7.235	8.042	98.95%	10.713	≤ 11.00	Pass
11a	6Mbps	144	5720	6.821	7.924	98.95%	10.464	≤ 11.00	Pass
11ac-VHT20	MCS0	36	5180	11.252	11.608	98.43%	14.513	≤ 17.00	Pass
11ac-VHT20	MCS0	40	5200	11.323	11.605	98.43%	14.545	≤ 17.00	Pass
11ac-VHT20	MCS0	48	5240	11.349	11.817	98.43%	14.668	≤ 17.00	Pass
11ac-VHT20	MCS0	52	5260	7.086	7.532	98.43%	10.394	≤ 10.99	Pass
11ac-VHT20	MCS0	60	5300	7.212	7.947	98.43%	10.674	≤ 10.99	Pass
11ac-VHT20	MCS0	64	5320	7.021	7.513	98.43%	10.353	≤ 10.99	Pass
11ac-VHT20	MCS0	100	5500	7.207	7.742	98.43%	10.562	≤ 11.00	Pass
11ac-VHT20	MCS0	116	5580	7.187	7.783	98.43%	10.574	≤ 11.00	Pass
11ac-VHT20	MCS0	140	5700	7.003	7.982	98.43%	10.599	≤ 11.00	Pass
11ac-VHT20	MCS0	144	5720	6.815	7.705	98.43%	10.362	≤ 11.00	Pass
11ac-VHT40	MCS0	38	5190	6.910	7.406	98.36%	10.247	≤ 17.00	Pass
11ac-VHT40	MCS0	46	5230	8.338	8.739	98.36%	11.625	≤ 17.00	Pass
11ac-VHT40	MCS0	54	5270	5.495	5.593	98.36%	8.626	≤ 10.99	Pass
11ac-VHT40	MCS0	62	5310	5.212	5.798	98.36%	8.597	≤ 10.99	Pass
11ac-VHT40	MCS0	102	5510	4.563	5.205	98.36%	7.978	≤ 11.00	Pass
11ac-VHT40	MCS0	110	5550	4.727	5.516	98.36%	8.222	≤ 11.00	Pass
11ac-VHT40	MCS0	134	5670	5.052	5.909	98.36%	8.584	≤ 11.00	Pass
11ac-VHT40	MCS0	142	5710	5.417	6.191	98.36%	8.903	≤ 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	4.834	4.649	97.83%	7.848	≤ 17.00	Pass
11ac-VHT80	MCS0	58	5290	2.245	2.535	97.83%	5.498	≤ 10.99	Pass
11ac-VHT80	MCS0	106	5530	1.603	2.367	97.83%	5.107	≤ 11.00	Pass
11ac-VHT80	MCS0	122	5610	1.617	2.071	97.83%	4.956	≤ 11.00	Pass
11ac-VHT80	MCS0	138	5690	1.321	1.865	97.83%	4.707	≤ 11.00	Pass
11ac-VHT160	MCS0	50	5250	-1.422	-0.703	96.09%	2.136	≤ 10.99	Pass
11ac-VHT160	MCS0	114	5570	-1.415	-0.768	96.09%	2.104	≤ 11.00	Pass
11ax-HE20	MCS0	36	5180	11.601	11.470	99.45%	14.570	≤ 17.00	Pass
11ax-HE20	MCS0	40	5200	11.853	11.670	99.45%	14.797	≤ 17.00	Pass
11ax-HE20	MCS0	48	5240	11.362	11.385	99.45%	14.408	≤ 17.00	Pass
11ax-HE20	MCS0	52	5260	6.847	7.648	99.45%	10.300	≤ 10.99	Pass
11ax-HE20	MCS0	60	5300	7.641	7.926	99.45%	10.820	≤ 10.99	Pass
11ax-HE20	MCS0	64	5320	7.816	7.856	99.45%	10.870	≤ 10.99	Pass
11ax-HE20	MCS0	100	5500	7.012	7.641	99.45%	10.372	≤ 11.00	Pass
11ax-HE20	MCS0	116	5580	7.322	7.434	99.45%	10.413	≤ 11.00	Pass
11ax-HE20	MCS0	140	5700	6.982	7.586	99.45%	10.329	≤ 11.00	Pass
11ax-HE20	MCS0	144	5720	6.268	7.430	99.45%	9.922	≤ 11.00	Pass
11ax-HE40	MCS0	38	5190	7.864	7.972	96.96%	11.063	≤ 17.00	Pass
11ax-HE40	MCS0	46	5230	8.273	8.452	96.96%	11.508	≤ 17.00	Pass
11ax-HE40	MCS0	54	5270	5.072	5.678	96.96%	8.530	≤ 10.99	Pass
11ax-HE40	MCS0	62	5310	5.258	5.625	96.96%	8.590	≤ 10.99	Pass
11ax-HE40	MCS0	102	5510	4.129	5.033	96.96%	7.749	≤ 11.00	Pass
11ax-HE40	MCS0	110	5550	4.534	5.767	96.96%	8.338	≤ 11.00	Pass
11ax-HE40	MCS0	134	5670	4.853	5.832	96.96%	8.514	≤ 11.00	Pass
11ax-HE40	MCS0	142	5710	4.957	5.824	96.96%	8.556	≤ 11.00	Pass
11ax-HE80	MCS0	42	5210	5.178	5.224	97.15%	8.337	≤ 17.00	Pass
11ax-HE80	MCS0	58	5290	2.145	2.688	97.15%	5.561	≤ 10.99	Pass
11ax-HE80	MCS0	106	5530	1.656	2.312	97.15%	5.132	≤ 11.00	Pass
11ax-HE80	MCS0	122	5610	1.486	1.999	97.15%	4.886	≤ 11.00	Pass
11ax-HE80	MCS0	122	5690	1.176	1.928	97.15%	4.704	≤ 11.00	Pass
11ax-HE160	MCS0	50	5250	-1.489	-0.903	98.19%	1.904	≤ 10.99	Pass
11ax-HE160	MCS0	114	5570	-1.399	-0.572	98.19%	2.124	≤ 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	11.272	11.609	99.45%	14.478	≤ 17.00	Pass
11be-EHT20	MCS0	40	5200	11.485	11.572	99.45%	14.563	≤ 17.00	Pass
11be-EHT20	MCS0	48	5240	11.409	11.565	99.45%	14.522	≤ 17.00	Pass
11be-EHT20	MCS0	52	5260	7.520	7.894	99.45%	10.745	≤ 10.99	Pass
11be-EHT20	MCS0	60	5300	7.497	8.022	99.45%	10.802	≤ 10.99	Pass
11be-EHT20	MCS0	64	5320	7.772	7.569	99.45%	10.706	≤ 10.99	Pass
11be-EHT20	MCS0	100	5500	7.133	7.712	99.45%	10.466	≤ 11.00	Pass
11be-EHT20	MCS0	116	5580	7.669	8.053	99.45%	10.899	≤ 11.00	Pass
11be-EHT20	MCS0	140	5700	7.295	7.971	99.45%	10.680	≤ 11.00	Pass
11be-EHT20	MCS0	144	5720	6.994	7.983	99.45%	10.551	≤ 11.00	Pass
11be-EHT40	MCS0	38	5190	7.564	7.821	96.79%	10.846	≤ 17.00	Pass
11be-EHT40	MCS0	46	5230	8.050	8.315	96.79%	11.337	≤ 17.00	Pass
11be-EHT40	MCS0	54	5270	5.191	5.419	96.79%	8.458	≤ 10.99	Pass
11be-EHT40	MCS0	62	5310	4.862	5.612	96.79%	8.405	≤ 10.99	Pass
11be-EHT40	MCS0	102	5510	4.503	5.065	96.79%	7.945	≤ 11.00	Pass
11be-EHT40	MCS0	110	5550	4.412	5.359	96.79%	8.063	≤ 11.00	Pass
11be-EHT40	MCS0	134	5670	4.830	5.750	96.79%	8.466	≤ 11.00	Pass
11be-EHT40	MCS0	142	5710	4.678	5.304	96.79%	8.154	≤ 11.00	Pass
11be-EHT80	MCS0	42	5210	4.590	4.745	97.85%	7.773	≤ 17.00	Pass
11be-EHT80	MCS0	58	5290	2.027	2.735	97.85%	5.500	≤ 10.99	Pass
11be-EHT80	MCS0	106	5530	1.407	2.430	97.85%	5.053	≤ 11.00	Pass
11be-EHT80	MCS0	122	5610	1.452	2.246	97.85%	4.972	≤ 11.00	Pass
11be-EHT80	MCS0	138	5690	1.314	2.060	97.85%	4.808	≤ 11.00	Pass
11be-EHT160	MCS0	50	5250	-1.400	-0.635	98.55%	2.073	≤ 10.99	Pass
11be-EHT160	MCS0	114	5570	-1.113	-0.641	98.55%	2.203	≤ 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 Band:PSD Limit (dBm/MHz) = 11 - (6.01 - 6) = 10.99dBm/MHz.

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

Product	BE9300 Tri-Band Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR5	Test Date	2024/7/13~2024/8/8
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	7.950	9.321	98.95%	11.746	≤ 29.99	Pass
11a	6Mbps	157	5785	8.318	9.284	98.95%	11.884	≤ 29.99	Pass
11a	6Mbps	165	5825	7.839	9.312	98.95%	11.694	≤ 29.99	Pass
11ac-VHT20	MCS0	149	5745	7.479	9.178	98.43%	11.490	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	8.316	9.093	98.43%	11.801	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	7.839	8.872	98.43%	11.465	≤ 29.99	Pass
11ac-VHT40	MCS0	151	5755	4.873	6.976	98.36%	9.133	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	5.534	6.395	98.36%	9.068	≤ 29.99	Pass
11ac-VHT80	MCS0	155	5775	2.081	3.062	97.83%	5.705	≤ 29.99	Pass
11ax-HE20	MCS0	149	5745	7.514	8.897	99.45%	11.295	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	8.043	9.077	99.45%	11.625	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	8.058	8.806	99.45%	11.482	≤ 29.99	Pass
11ax-HE40	MCS0	151	5755	4.787	6.512	96.96%	8.879	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	5.405	6.444	96.96%	9.100	≤ 29.99	Pass
11ax-HE80	MCS0	155	5775	2.021	3.032	97.15%	5.692	≤ 29.99	Pass
11be-EHT20	MCS0	149	5745	7.505	9.010	99.45%	11.357	≤ 29.99	Pass
11be-EHT20	MCS0	157	5785	8.103	8.930	99.45%	11.570	≤ 29.99	Pass
11be-EHT20	MCS0	165	5825	7.925	8.630	99.45%	11.326	≤ 29.99	Pass
11be-EHT40	MCS0	151	5755	4.740	6.502	96.79%	8.862	≤ 29.99	Pass
11be-EHT40	MCS0	159	5795	5.487	6.496	96.79%	9.173	≤ 29.99	Pass
11be-EHT80	MCS0	155	5775	2.038	3.184	97.85%	5.753	≤ 29.99	Pass

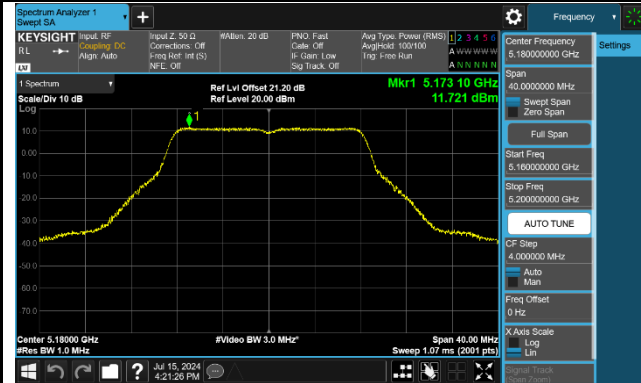
Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz).

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

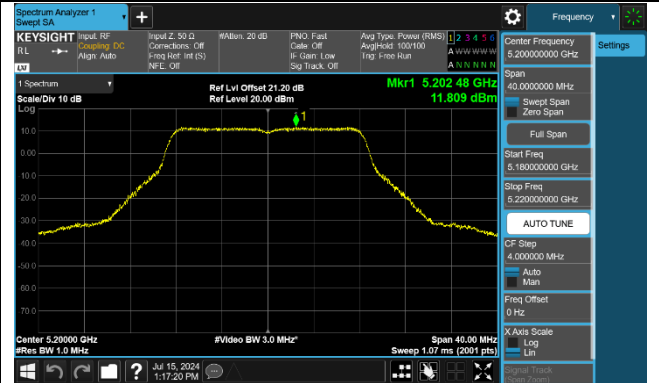
Note 2: PSD Limit (dBm/500kHz) = 30 - (6.01 - 6) = 29.99(dBm/500kHz).

802.11a Power Spectral Density - Ant 0

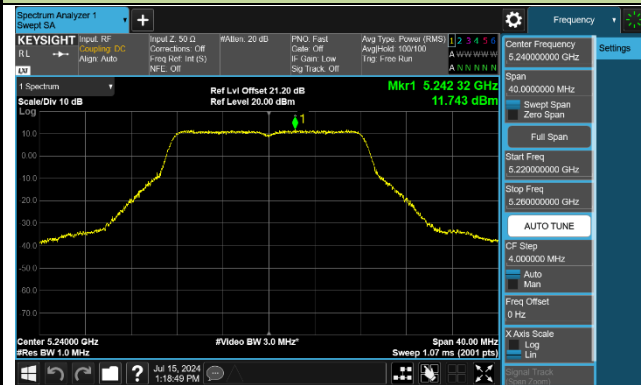
Channel 36 (5180MHz)



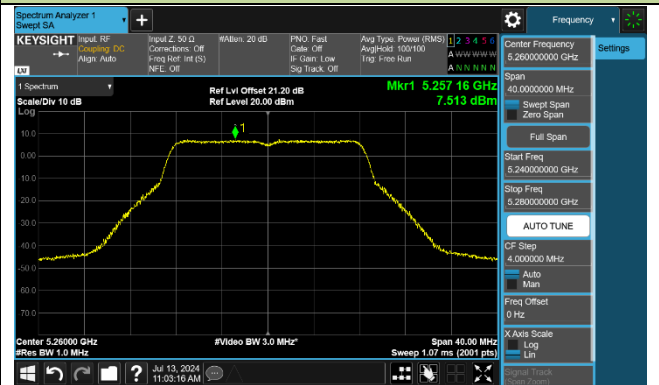
Channel 40 (5200MHz)



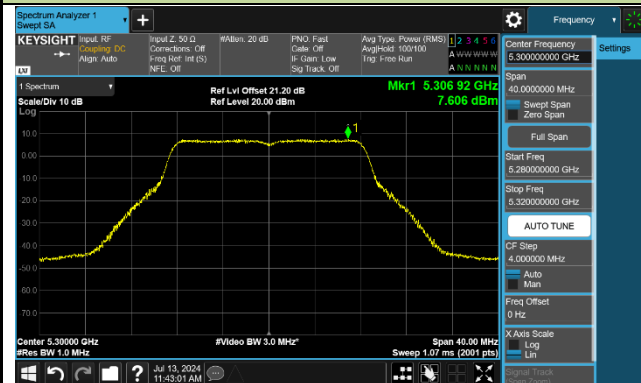
Channel 48 (5240MHz)



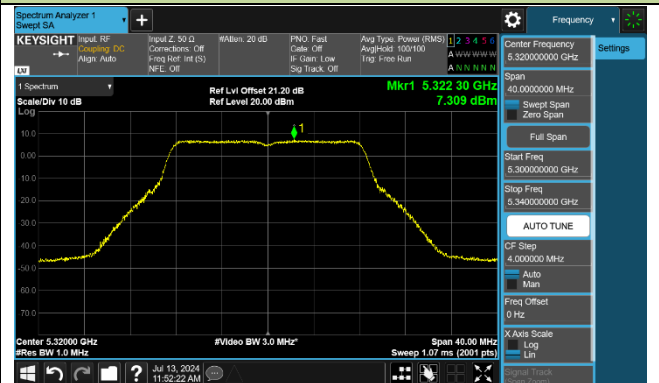
Channel 52 (5260MHz)



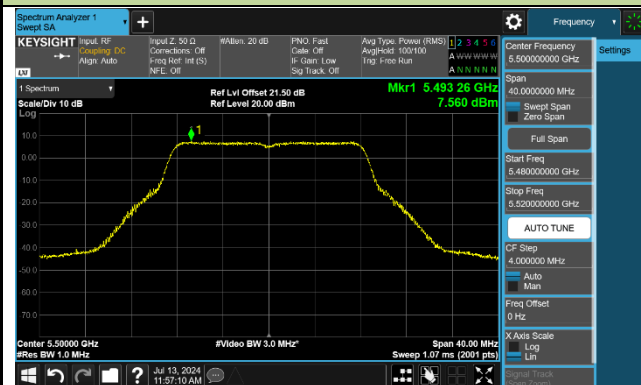
Channel 60 (5300MHz)



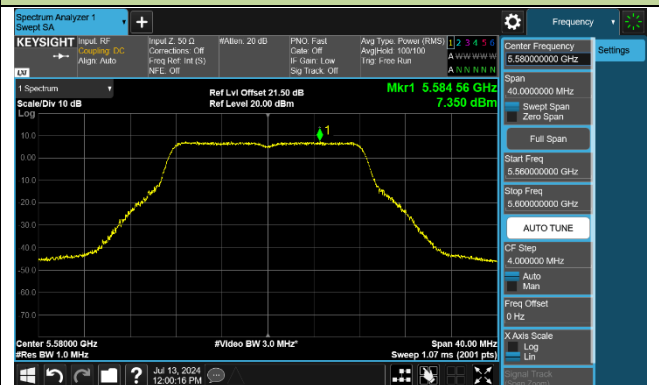
Channel 64 (5320MHz)

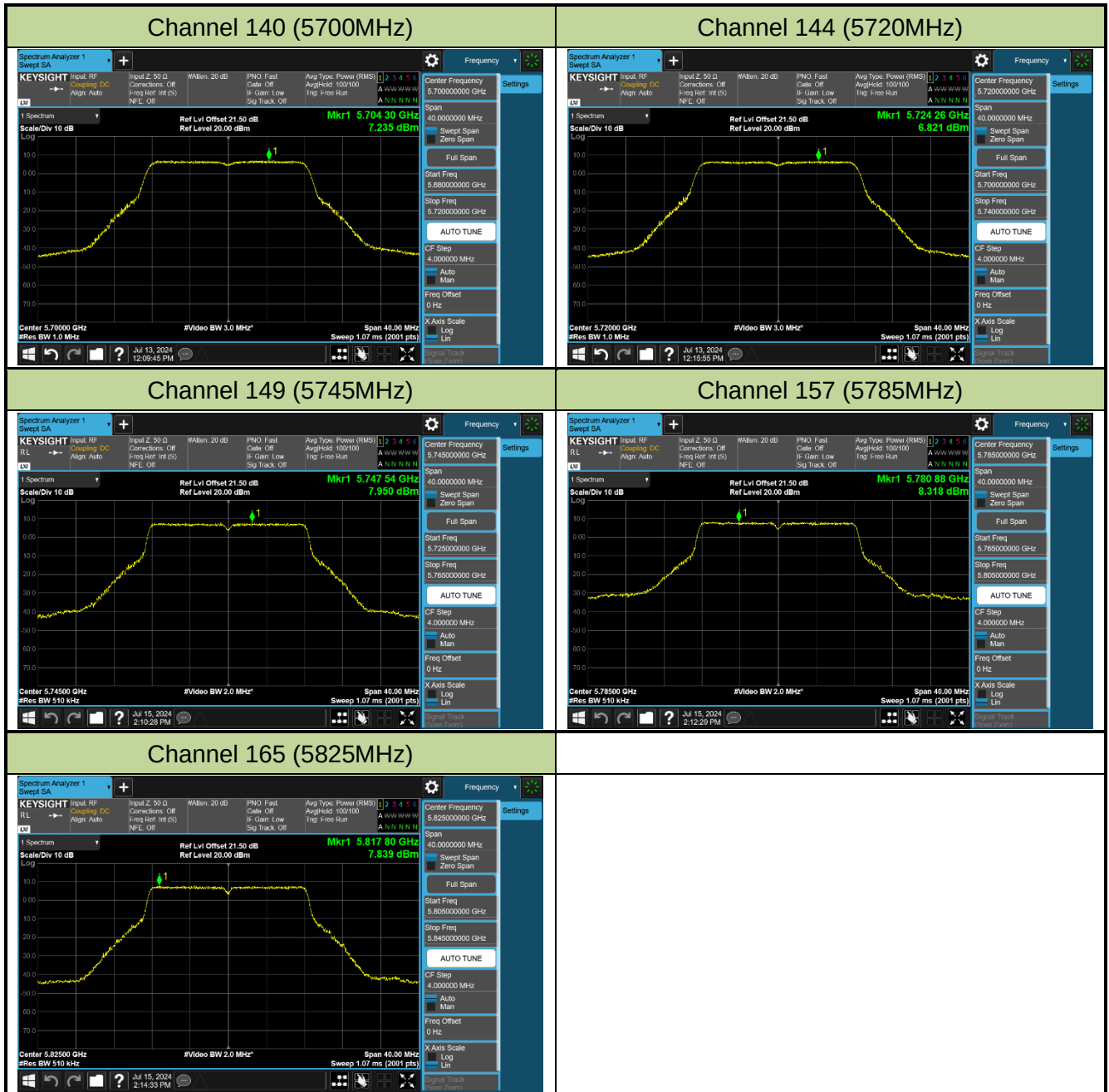


Channel 100 (5500MHz)



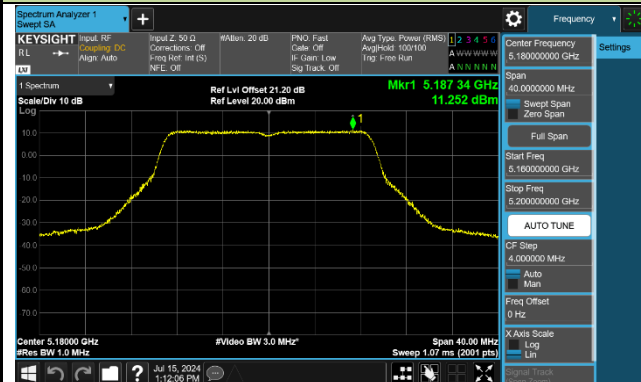
Channel 116 (5580MHz)



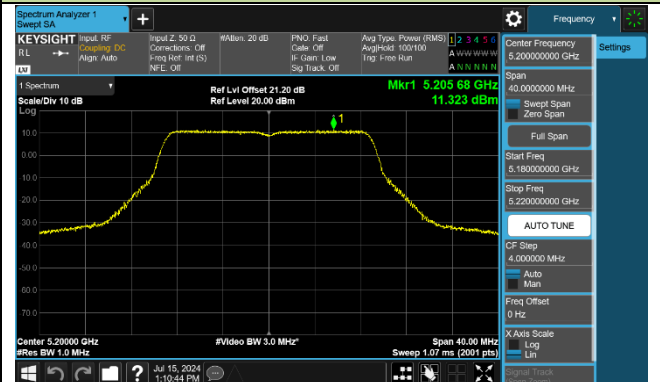


802.11ac-VHT20 Power Spectral Density - Ant 0

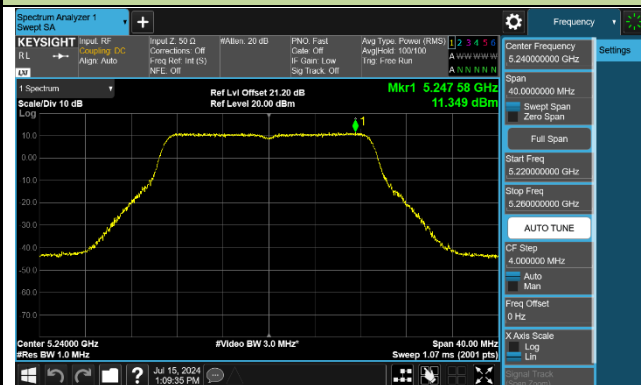
Channel 36 (5180MHz)



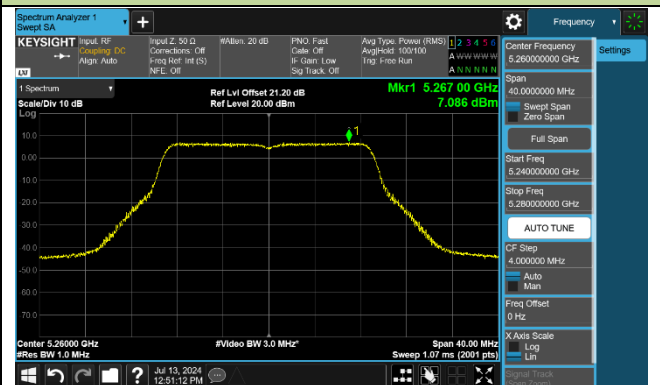
Channel 40 (5200MHz)



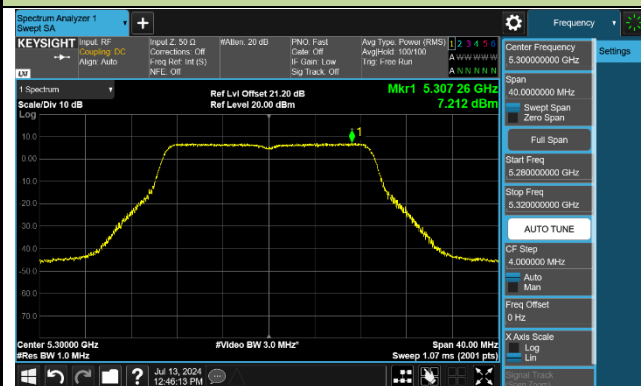
Channel 48 (5240MHz)



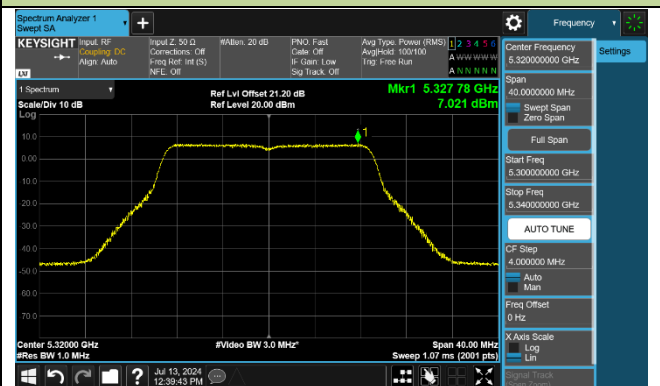
Channel 52 (5260MHz)



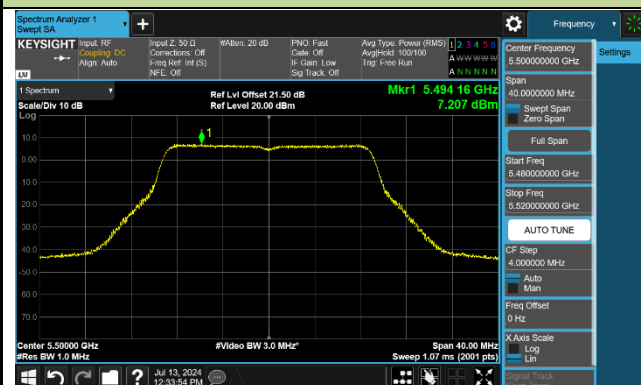
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

