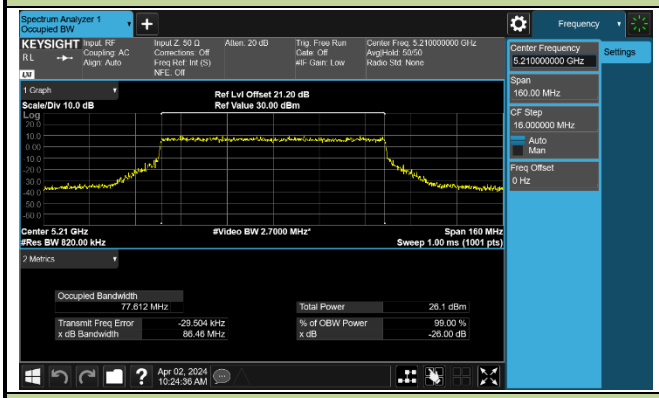
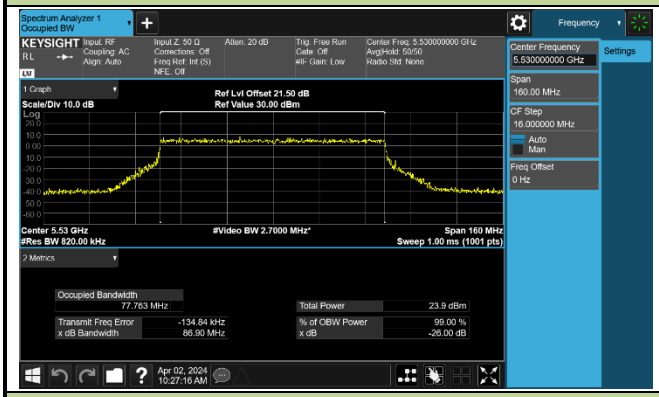
802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

Channel 42 (5210MHz)

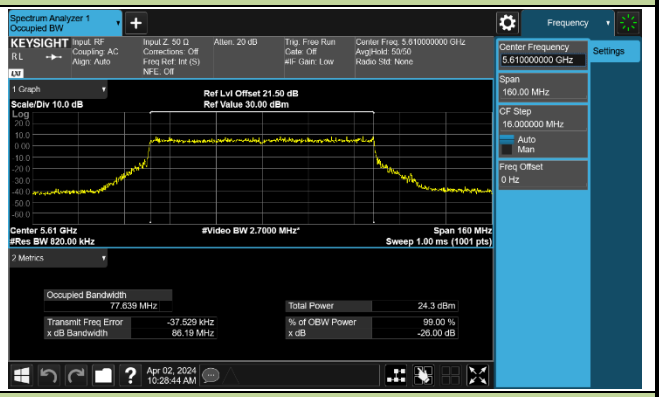


Channel 58 (5290MHz)

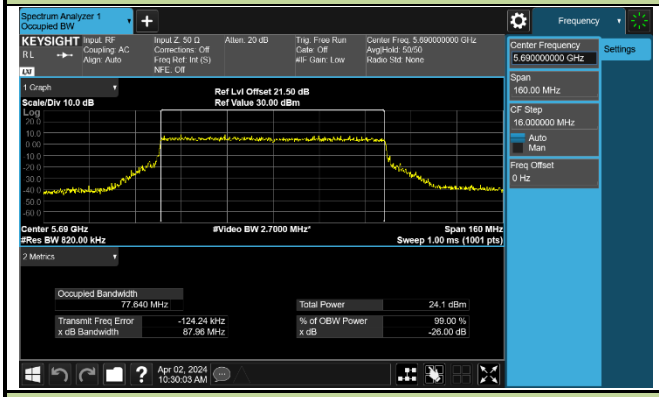
Channel 106 (5530MHz)



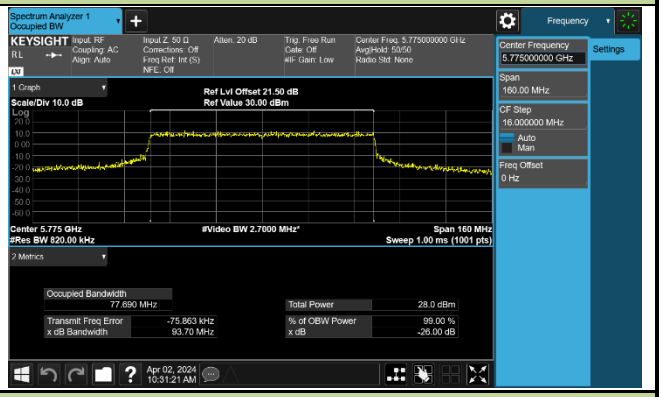
Channel 122 (5610MHz)



Channel 138 (5690MHz)

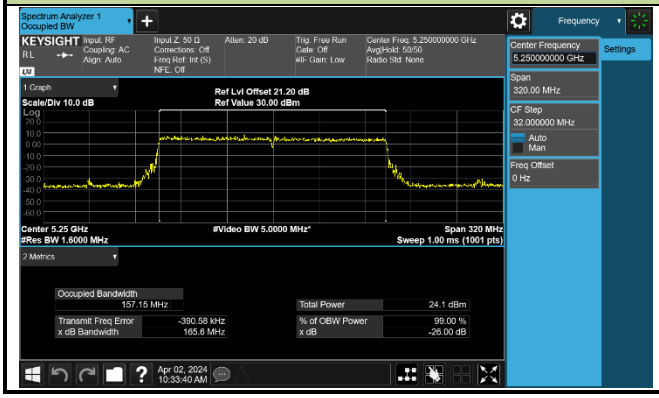


Channel 155 (5775MHz)

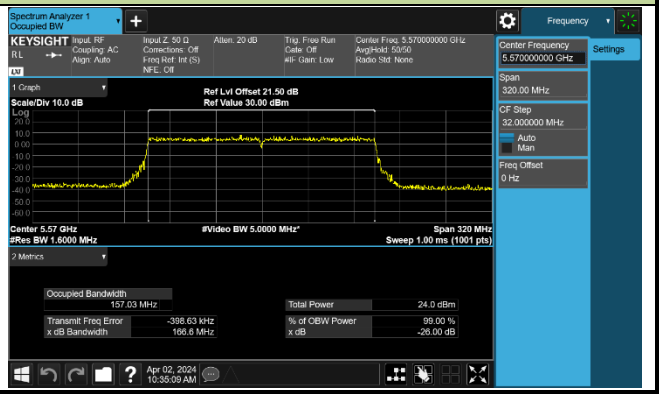


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

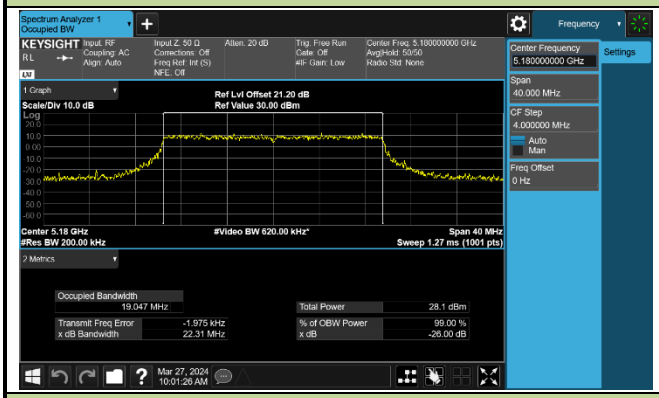


Channel 114 (5570MHz)



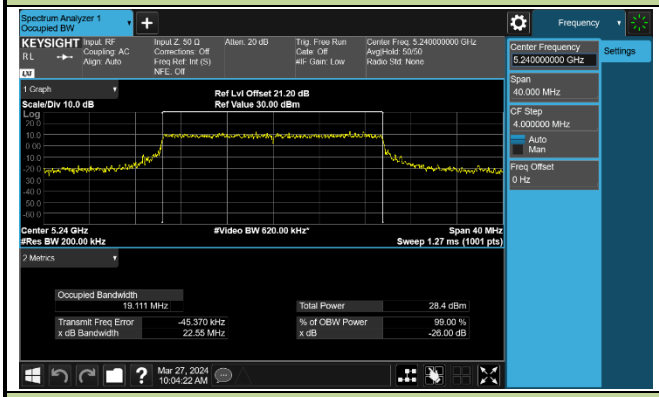
802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

Channel 36 (5180MHz)

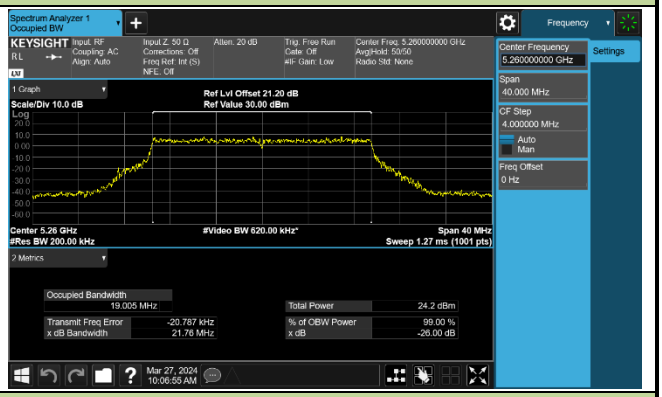


Channel 44 (5220MHz)

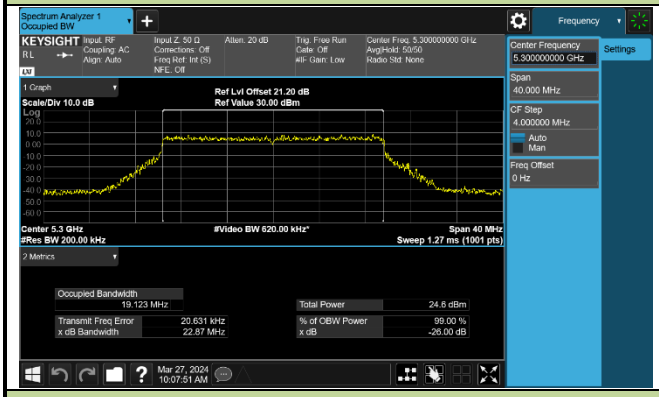
Channel 48 (5240MHz)



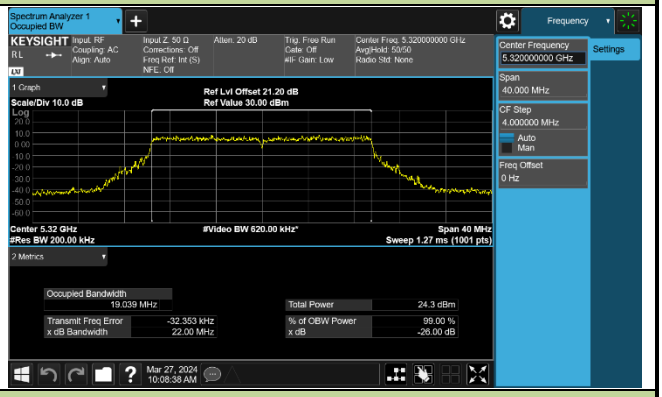
Channel 52 (5260MHz)



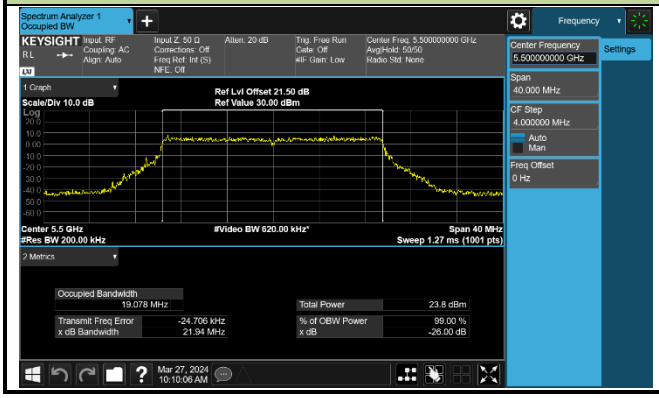
Channel 60 (5300MHz)



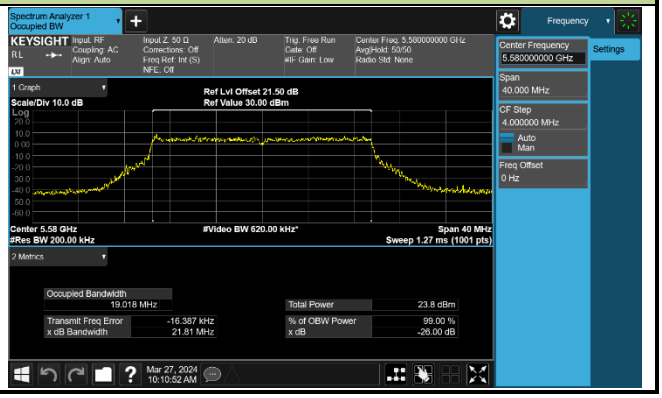
Channel 64 (5320MHz)

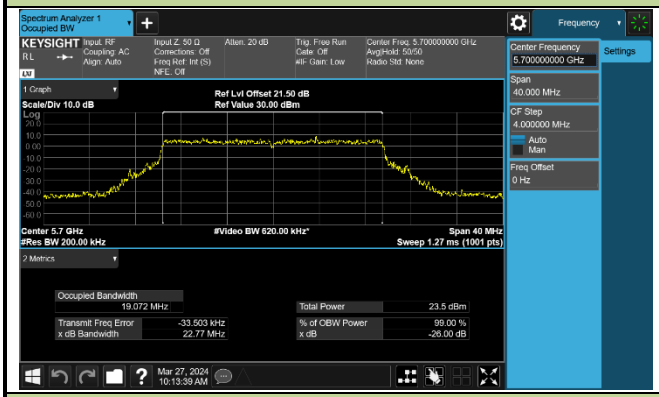
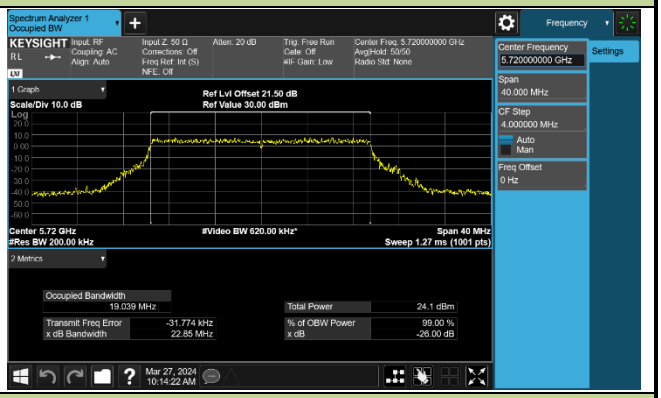
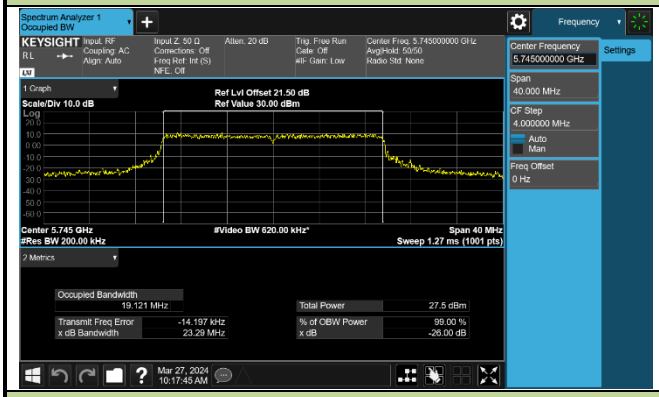
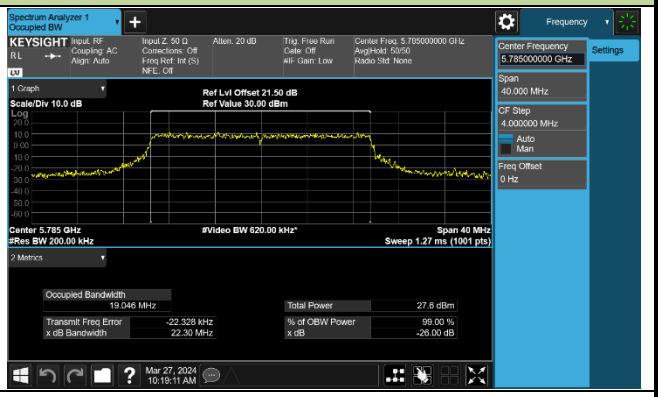
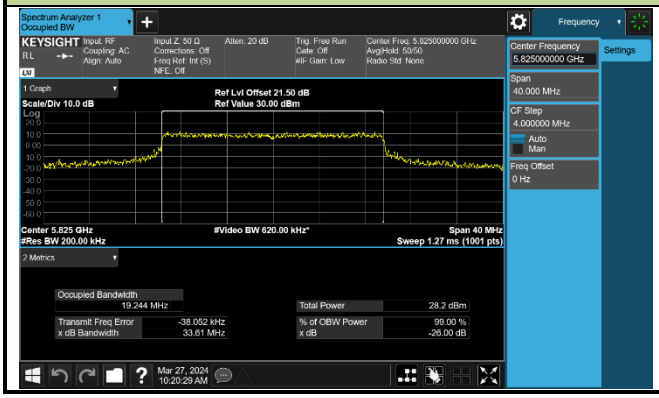


Channel 100 (5500MHz)



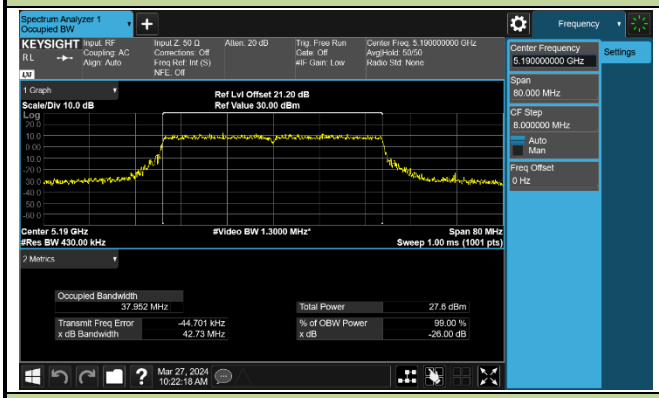
Channel 116 (5580MHz)



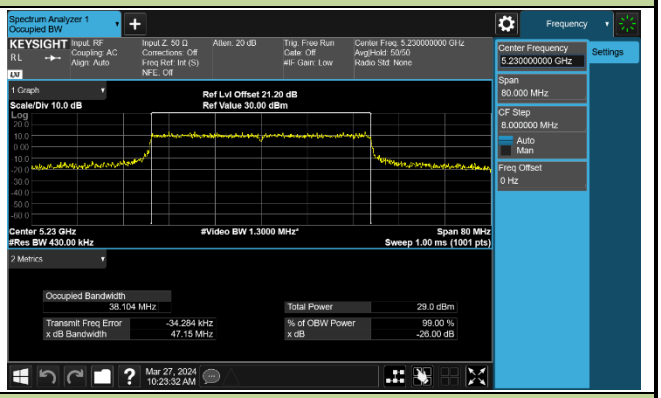
Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 144 (5785MHz)**
	
Channel 144 (5825MHz)	
	

802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

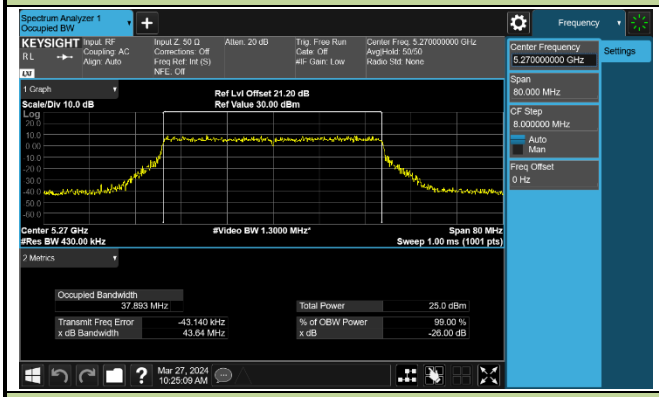
Channel 38 (5190MHz)



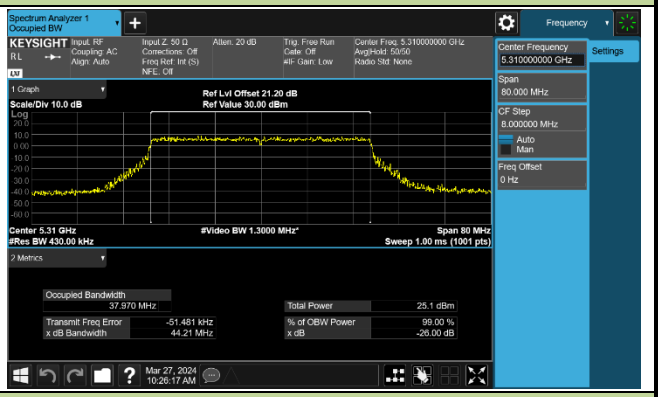
Channel 46 (5230MHz)



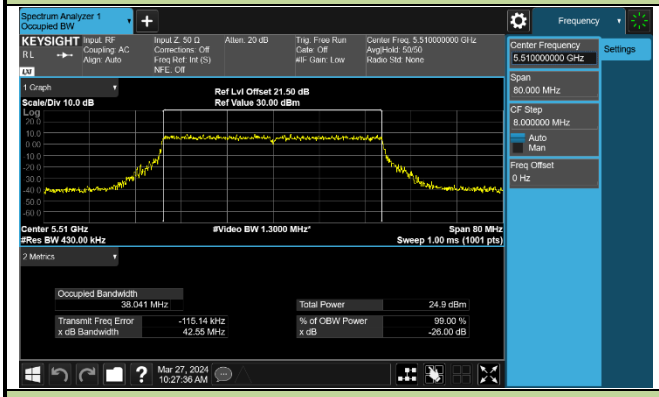
Channel 54 (5270MHz)



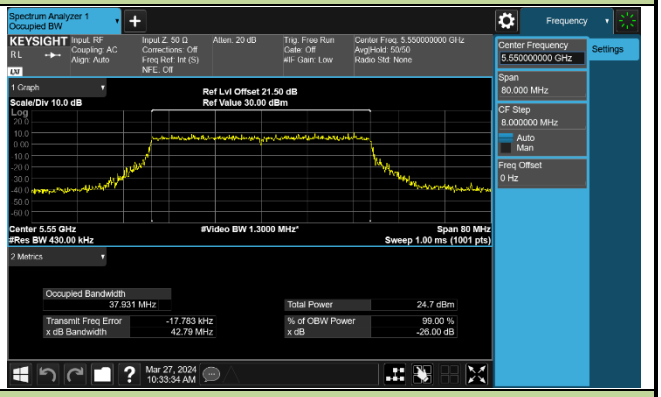
Channel 62 (5310MHz)



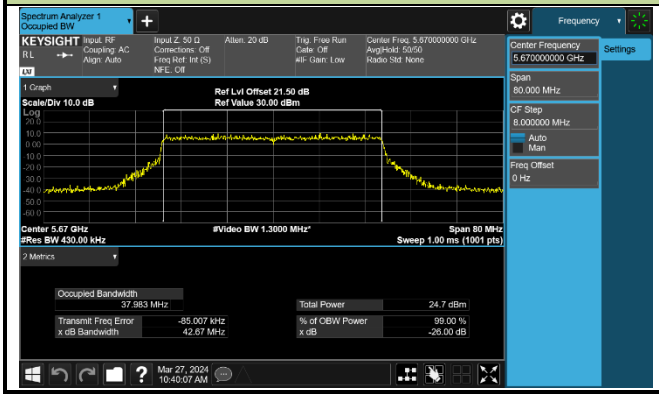
Channel 102 (5510MHz)



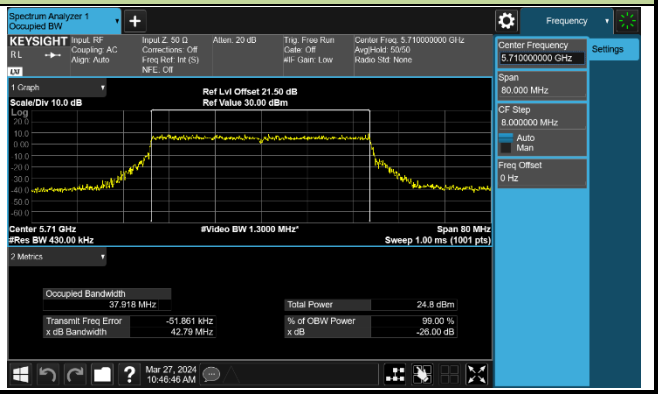
Channel 110 (5550MHz)

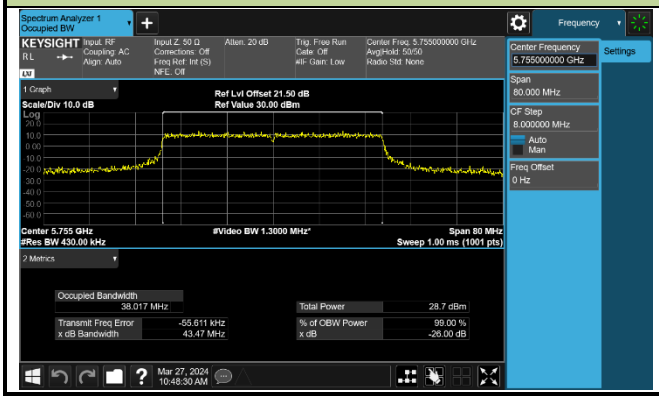
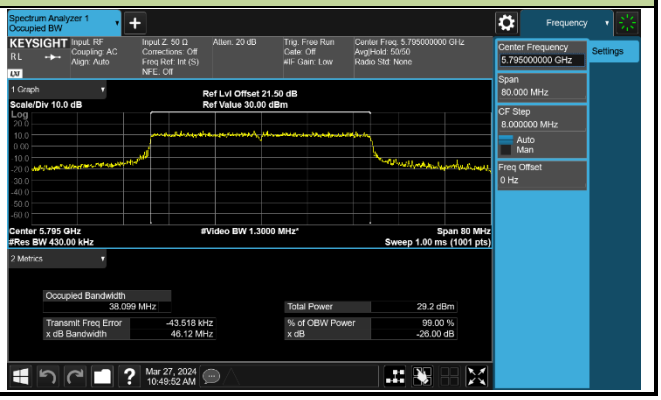


Channel 134 (5670MHz)



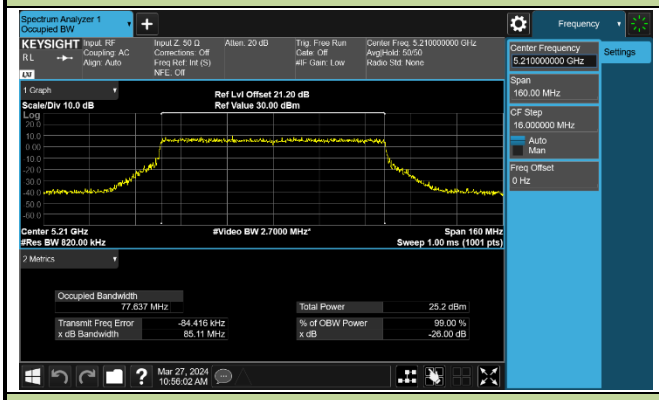
Channel 142 (5710MHz)



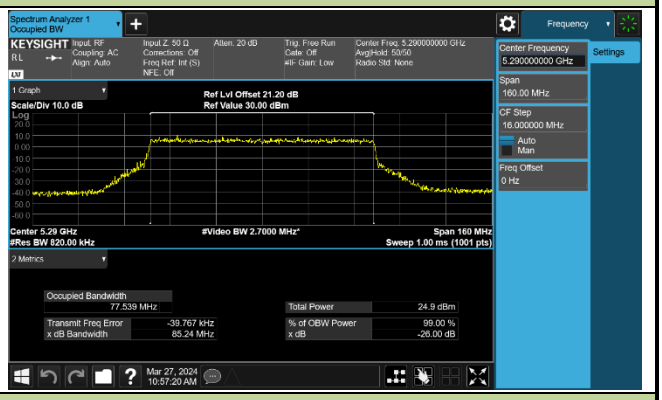
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

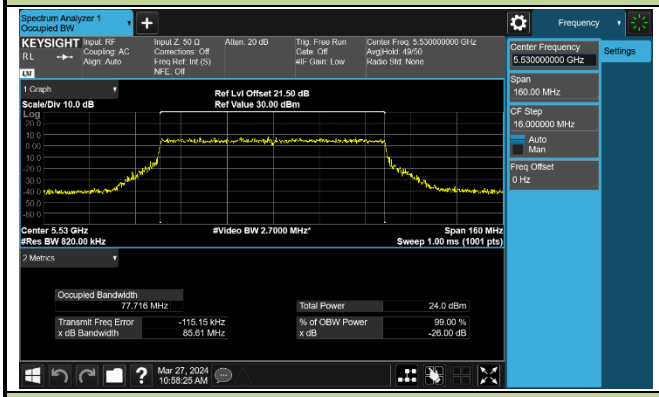
Channel 42 (5210MHz)



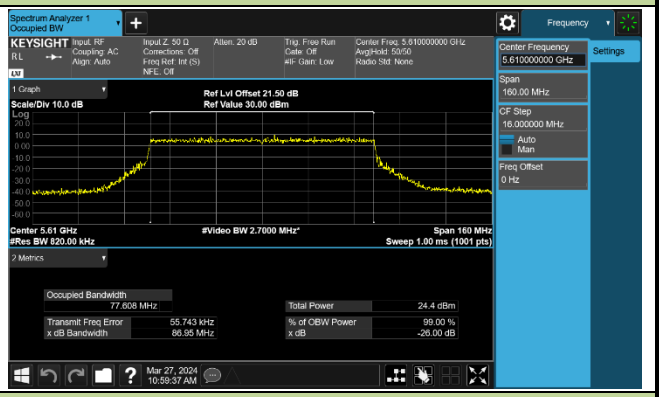
Channel 58 (5290MHz)



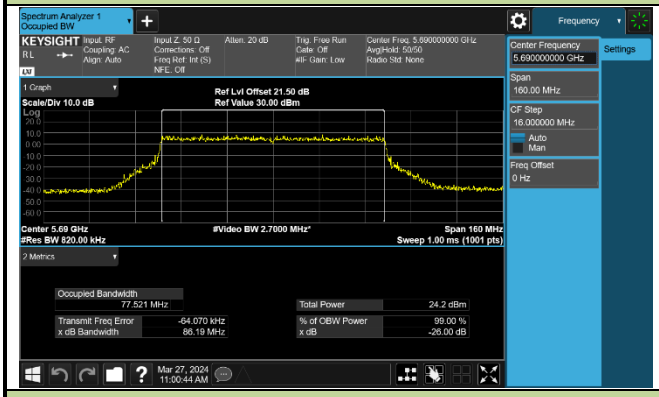
Channel 106 (5530MHz)



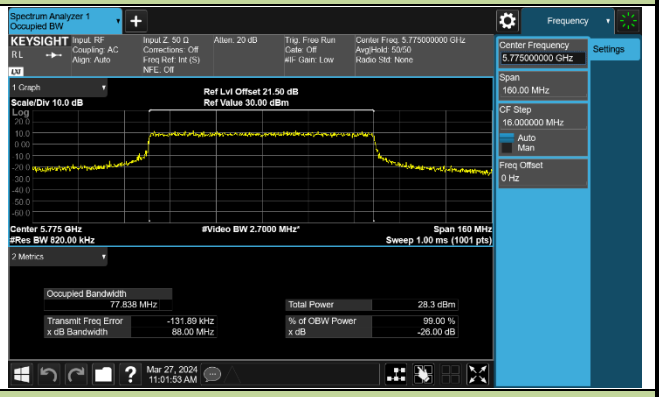
Channel 122 (5610MHz)



Channel 138 (5690MHz)

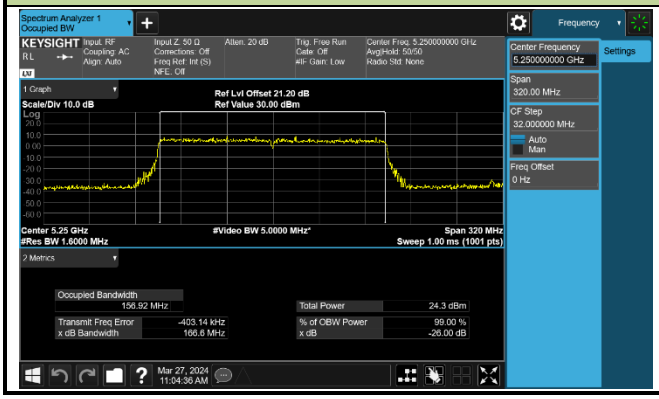


Channel 155 (5775MHz)

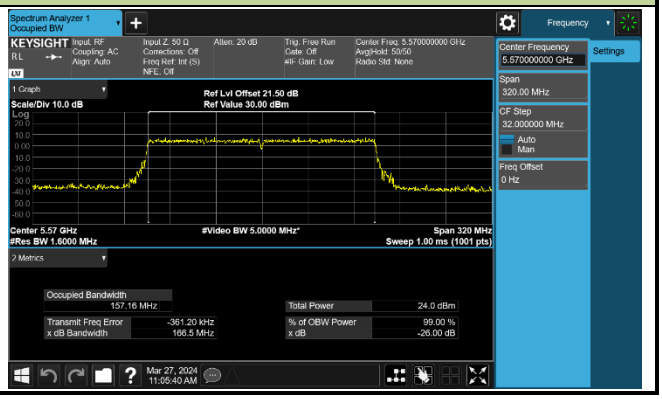


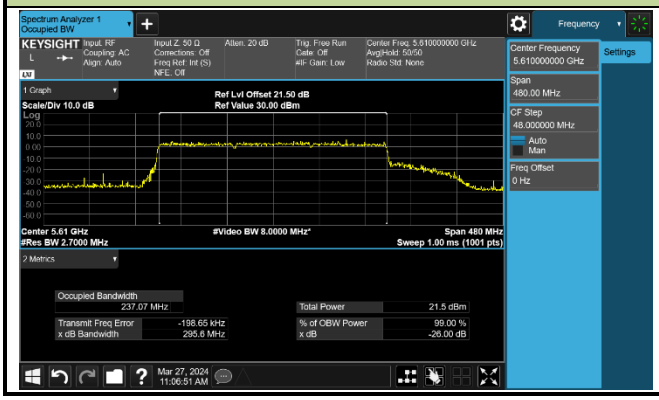
802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

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 6dBbandwidth shall be at least 500 kHz.

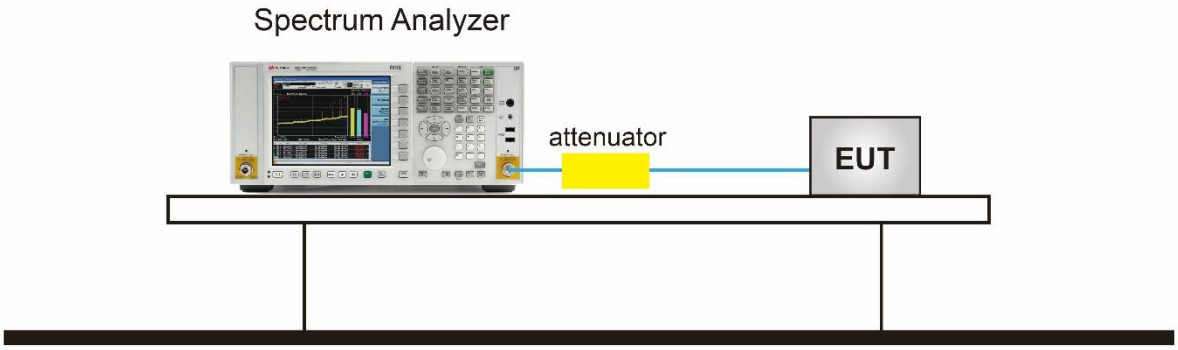
7.3.2.Test Procedure used

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 × 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



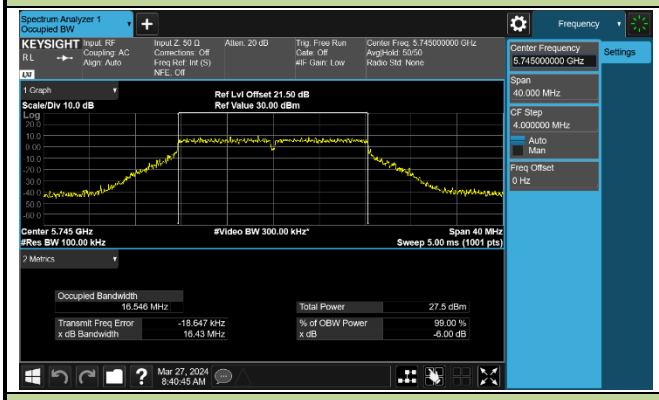
7.3.5.Test Result

Product	BE11000 Tri-Band Wi-Fi 7 Gaming Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/3/27~2024/4/2

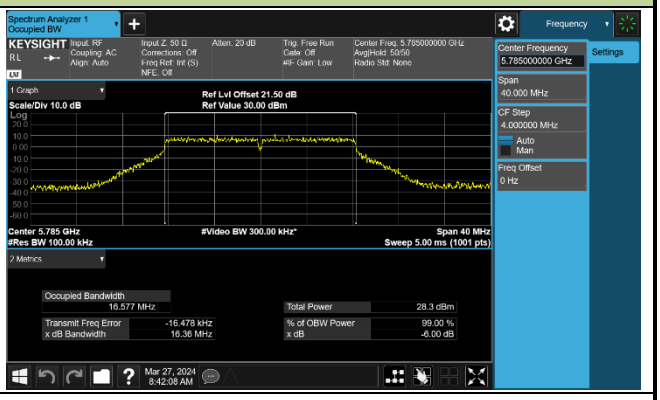
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1						
802.11a	6Mbps	149	5745	16.430	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.360	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.350	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.630	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.710	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.630	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.560	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.450	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.520	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	18.870	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	19.040	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	19.100	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	38.280	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.080	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	78.110	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	18.850	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	19.170	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	19.100	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	37.920	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	38.200	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	78.100	≥ 0.5	Pass

802.11a 6dB Bandwidth

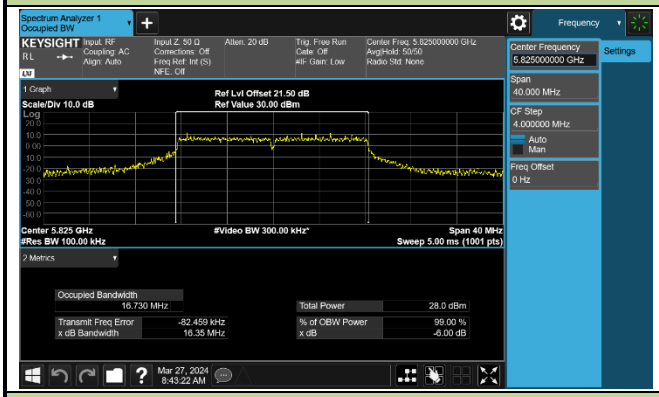
Channel 149 (5745MHz)



Channel 157 (5785MHz)

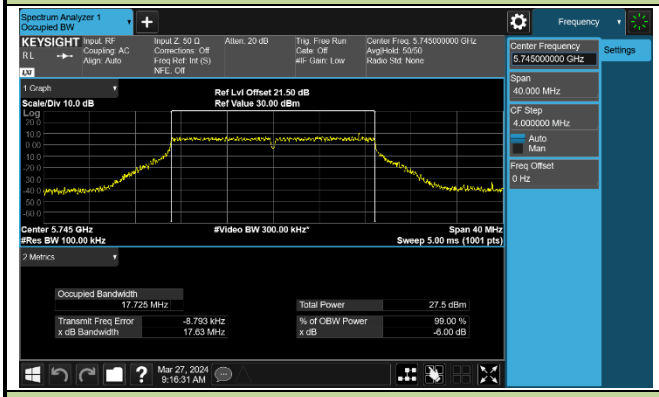


Channel 165 (5825MHz)

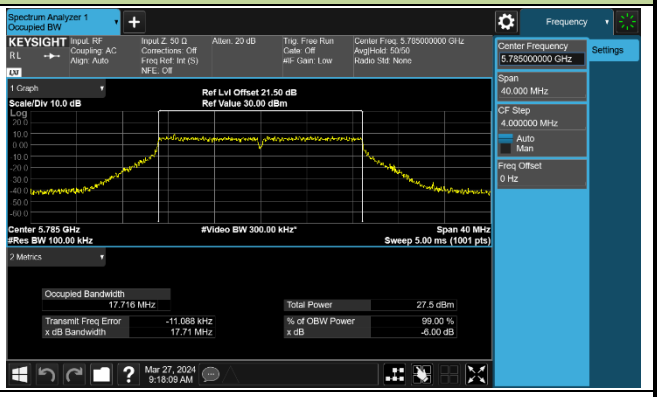


802.11ac-VHT20 6dB Bandwidth

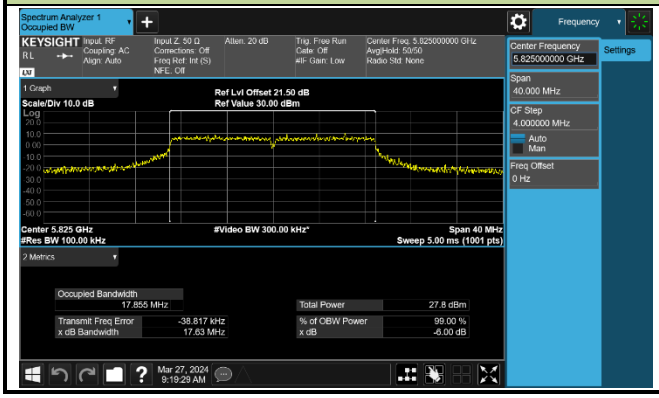
Channel 149 (5745MHz)

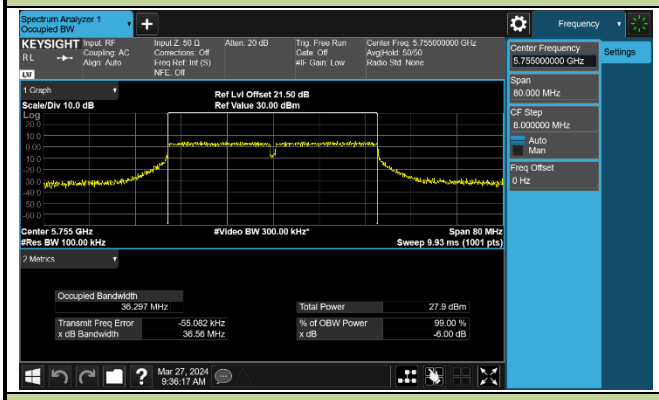
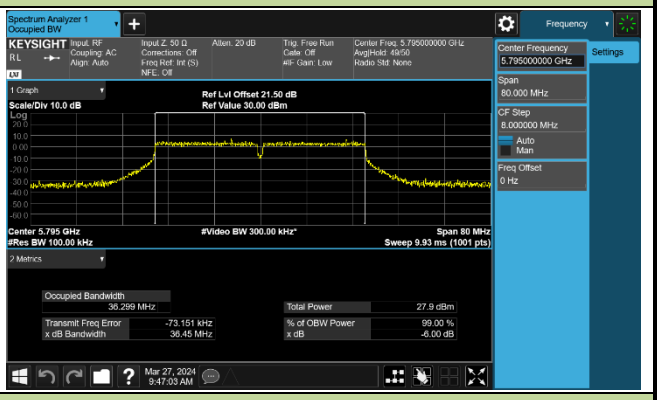
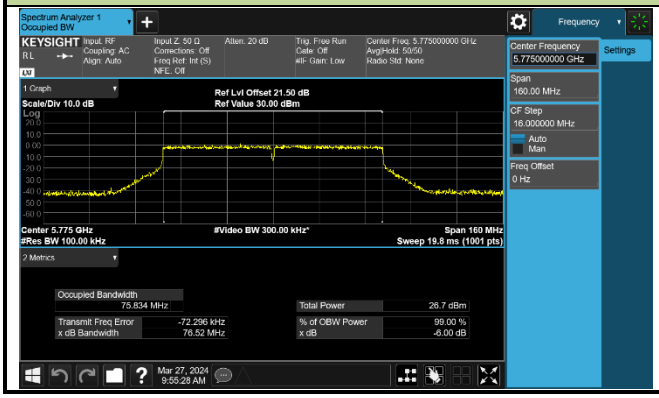


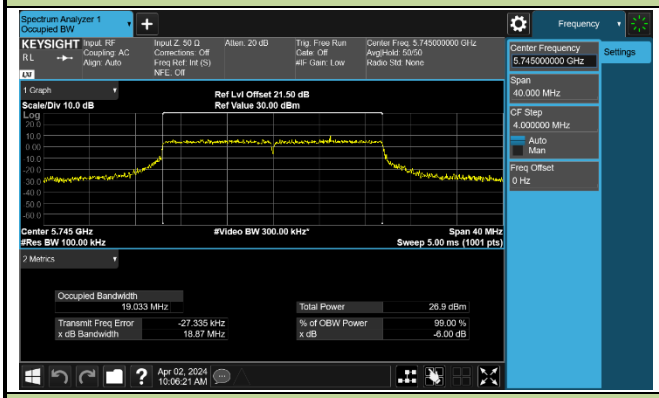
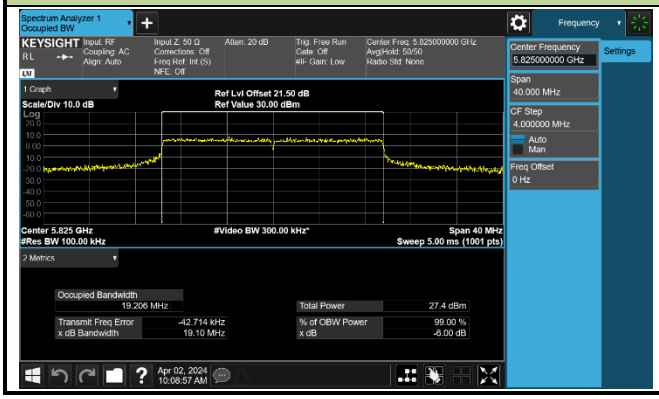
Channel 157 (5785MHz)

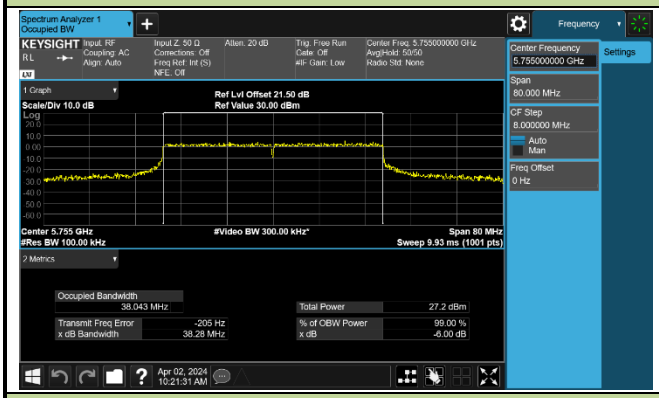
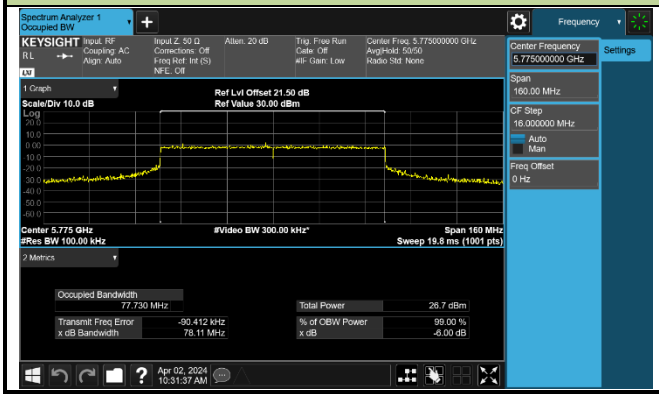


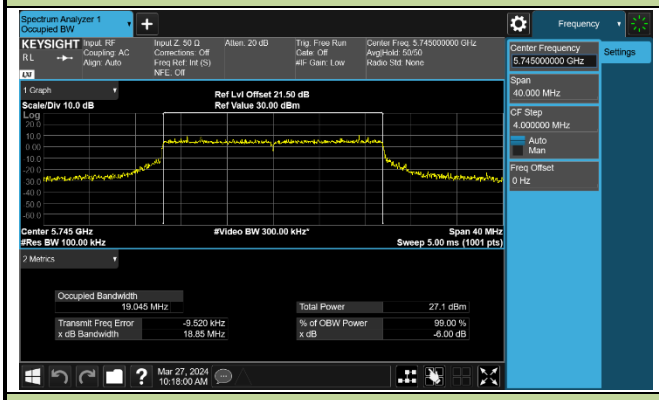
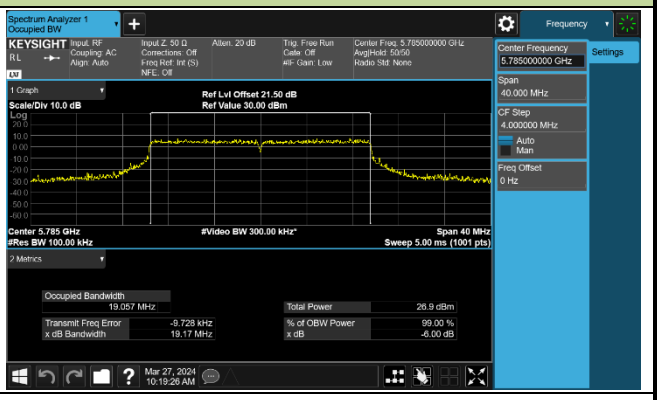
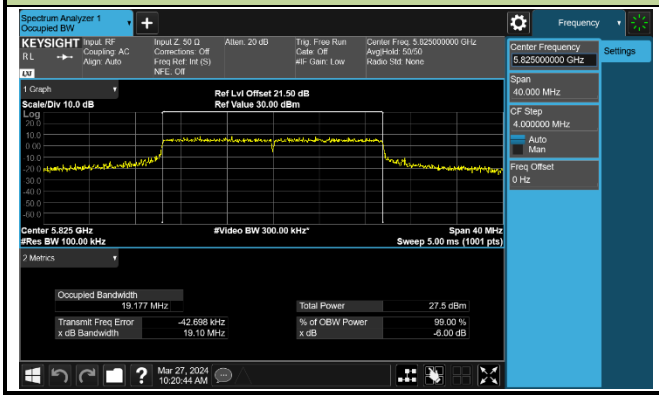
Channel 165 (5825MHz)

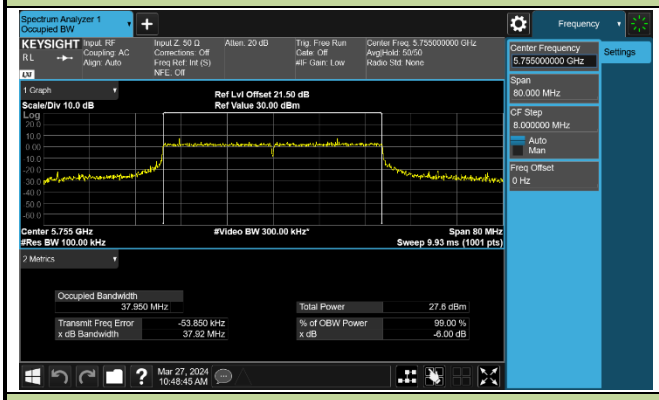
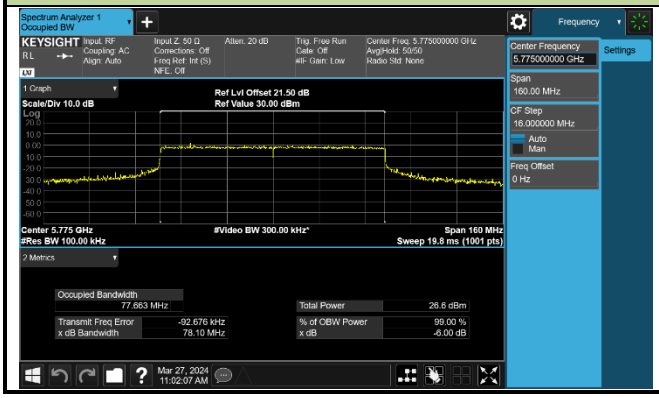


802.11ac-VHT40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ac-VHT80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

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 conductedoutput power over the frequency band of operation shall not exceed 1 W provided the maximumantenna 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 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 maximumconducted output power shall be reduced by the amount in dB that the directional gain of theantenna exceeds 6dBi.

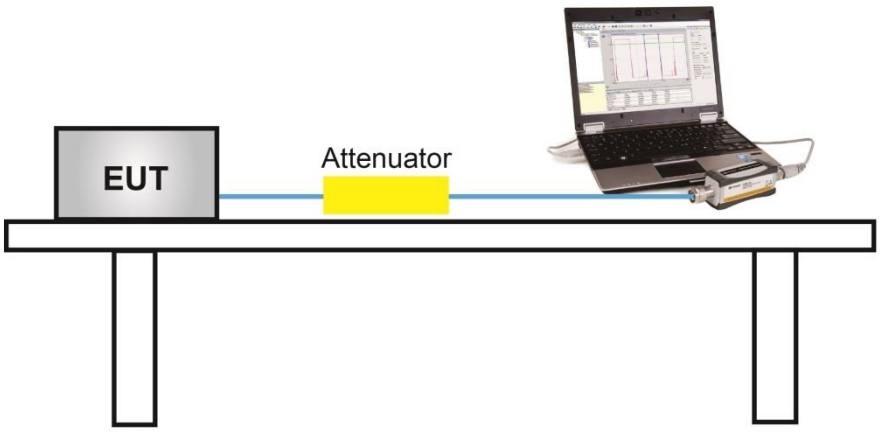
7.4.2.Test Procedure Used

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	BE11000 Tri-Band Wi-Fi 7 Gaming Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/1/9~2024/4/2
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	24.30	24.23	27.28	≤ 30.00	Pass
11a	6Mbps	44	5220	24.35	24.51	27.44	≤ 30.00	Pass
11a	6Mbps	48	5240	24.55	24.75	27.66	≤ 30.00	Pass
11a	6Mbps	52	5260	19.79	19.75	22.78	≤ 23.98	Pass
11a	6Mbps	60	5300	19.43	19.35	22.40	≤ 23.98	Pass
11a	6Mbps	64	5320	19.13	19.33	22.24	≤ 23.98	Pass
11a	6Mbps	100	5500	19.96	19.62	22.80	≤ 23.98	Pass
11a	6Mbps	116	5580	19.84	19.85	22.86	≤ 23.98	Pass
11a	6Mbps	140	5700	19.66	19.37	22.53	≤ 23.98	Pass
11a	6Mbps	144	5720	19.77	19.22	22.51	≤23.00	Pass
11a	6Mbps	149	5745	24.08	24.05	27.08	≤ 30.00	Pass
11a	6Mbps	157	5785	24.50	24.47	27.50	≤ 30.00	Pass
11a	6Mbps	165	5825	24.11	24.07	27.10	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	24.24	24.37	27.32	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	24.32	24.55	27.45	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.23	24.18	27.22	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	19.88	19.78	22.84	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	19.47	19.41	22.45	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	19.50	19.77	22.65	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	20.00	19.63	22.83	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	20.16	20.09	23.14	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	20.02	19.90	22.97	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	19.83	19.45	22.65	≤23.20	Pass
11ac-VHT20	MCS0	149	5745	24.05	24.07	27.07	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	24.06	24.01	27.05	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	24.02	24.23	27.14	≤ 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	23.56	23.38	26.48	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.48	24.79	27.65	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.52	20.40	23.47	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.51	20.83	23.68	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	20.37	20.29	23.34	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.50	20.54	23.53	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.89	20.81	23.86	≤23.98	Pass
11ac-VHT40	MCS0	142	5710	20.80	20.96	23.89	≤23.98	Pass
11ac-VHT40	MCS0	151	5755	24.44	24.73	27.60	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.07	24.22	27.16	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	22.77	23.13	25.96	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.84	20.60	23.73	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	20.23	20.07	23.16	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.83	20.75	23.80	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.49	20.65	23.58	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	24.11	24.04	27.09	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	20.22	20.13	23.19	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	20.48	20.52	23.51	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	24.44	24.52	27.49	≤ 30.00	Pass
11ax-HE20	MCS0	40	5220	24.51	24.59	27.56	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.35	24.54	27.46	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	19.98	20.03	23.02	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	19.63	19.73	22.69	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	19.61	20.12	22.88	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	20.23	19.90	23.08	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	20.40	20.27	23.35	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	20.16	20.08	23.13	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.98	19.58	22.79	≤ 23.02	Pass
11ax-HE20	MCS0	149	5745	24.11	24.11	27.12	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	24.08	24.13	27.12	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	24.10	24.34	27.23	≤ 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	23.95	24.01	26.99	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.44	24.76	27.61	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.91	20.87	23.90	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	20.46	20.81	23.65	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	20.34	20.30	23.33	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.45	20.52	23.50	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	20.80	20.82	23.82	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.80	20.95	23.89	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	24.46	24.64	27.56	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	24.02	24.21	27.13	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	22.25	22.44	25.36	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.60	20.84	23.73	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	20.28	20.07	23.19	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.74	20.69	23.73	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.47	20.57	23.53	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	24.62	24.52	27.58	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	20.57	20.60	23.60	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	20.52	20.47	23.51	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	24.04	23.94	27.00	≤ 30.00	Pass
11be-EHT20	MCS0	40	5220	24.45	24.61	27.54	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	24.25	24.37	27.32	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	20.10	19.99	23.06	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	20.21	20.31	23.27	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	19.68	19.99	22.85	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	20.02	19.89	22.97	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	20.34	20.22	23.29	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	20.14	20.05	23.11	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	20.01	19.82	22.93	≤ 23.16	Pass
11be-EHT20	MCS0	149	5745	24.23	24.15	27.20	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	24.11	24.05	27.09	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	24.10	24.17	27.15	≤ 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	23.39	23.27	26.34	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	24.18	24.55	27.38	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.54	20.67	23.62	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	20.28	20.58	23.44	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	20.43	20.56	23.51	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.72	20.78	23.76	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	20.67	20.59	23.64	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.60	20.68	23.65	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	24.33	24.46	27.41	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	24.60	24.67	27.65	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	21.33	21.33	24.34	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	20.63	20.87	23.76	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	20.26	20.13	23.21	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.66	20.68	23.68	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.54	20.55	23.56	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	24.50	24.48	27.50	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	20.55	20.58	23.58	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	20.50	20.40	23.46	≤ 23.98	Pass
11be-EHT240	MCS0	130	5650	13.53	13.00	16.28	≤ 23.98	Pass

Note 1: The Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 0 Average Power }/10)} + 10^{(\text{Ant 1 Average Power }/10)}\}$.

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) = $11+10*\log(5\text{MHz} + BW_{26dBc}/2)$

Product	BE11000 Tri-Band Wi-Fi 7 Gaming Router	Temperature	25°C
Test Engineer	Owen	Relative Humidity	56%
Test Site	SR6	Test Date	2024/1/9~2024/4/2
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	24.24	24.37	27.32	≤ 29.99	Pass
11ac-VHT20	MCS0	40	5220	24.32	24.55	27.45	≤ 29.99	Pass
11ac-VHT20	MCS0	48	5240	24.23	24.18	27.22	≤ 29.99	Pass
11ac-VHT20	MCS0	52	5260	19.88	19.78	22.84	≤ 23.97	Pass
11ac-VHT20	MCS0	60	5300	19.47	19.41	22.45	≤ 23.97	Pass
11ac-VHT20	MCS0	64	5320	19.50	19.77	22.65	≤ 23.97	Pass
11ac-VHT20	MCS0	100	5500	20.00	19.63	22.83	≤ 23.97	Pass
11ac-VHT20	MCS0	116	5580	20.16	20.09	23.14	≤ 23.97	Pass
11ac-VHT20	MCS0	140	5700	20.02	19.90	22.97	≤ 23.97	Pass
11ac-VHT20	MCS0	144	5720	19.83	19.45	22.65	≤ 23.19	Pass
11ac-VHT20	MCS0	149	5745	24.05	24.07	27.07	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	24.06	24.01	27.05	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	24.02	24.23	27.14	≤ 29.99	Pass
11ac-VHT40	MCS0	38	5190	23.56	23.38	26.48	≤ 29.99	Pass
11ac-VHT40	MCS0	46	5230	24.48	24.79	27.65	≤ 29.99	Pass
11ac-VHT40	MCS0	54	5270	20.52	20.40	23.47	≤ 23.97	Pass
11ac-VHT40	MCS0	62	5310	20.51	20.83	23.68	≤ 23.97	Pass
11ac-VHT40	MCS0	102	5510	20.37	20.29	23.34	≤ 23.97	Pass
11ac-VHT40	MCS0	110	5550	20.50	20.54	23.53	≤ 23.97	Pass
11ac-VHT40	MCS0	134	5670	20.89	20.81	23.86	≤ 23.97	Pass
11ac-VHT40	MCS0	142	5710	20.80	20.96	23.89	≤ 23.97	Pass
11ac-VHT40	MCS0	151	5755	24.44	24.73	27.60	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	24.07	24.22	27.16	≤ 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-VHT80	MCS0	42	5210	22.77	23.13	25.96	≤ 29.99	Pass
11ac-VHT80	MCS0	58	5290	20.84	20.60	23.73	≤ 23.97	Pass
11ac-VHT80	MCS0	106	5530	20.23	20.07	23.16	≤ 23.97	Pass
11ac-VHT80	MCS0	122	5610	20.83	20.75	23.80	≤ 23.97	Pass
11ac-VHT80	MCS0	138	5690	20.49	20.65	23.58	≤ 23.97	Pass
11ac-VHT80	MCS0	155	5775	24.11	24.04	27.09	≤ 29.99	Pass
11ac-VHT160	MCS0	50	5250	20.22	20.13	23.19	≤ 23.97	Pass
11ac-VHT160	MCS0	114	5570	20.48	20.52	23.51	≤ 23.97	Pass
11ax-HE20	MCS0	36	5180	24.44	24.52	27.49	≤ 29.99	Pass
11ax-HE20	MCS0	40	5220	24.51	24.59	27.56	≤ 29.99	Pass
11ax-HE20	MCS0	48	5240	24.35	24.54	27.46	≤ 29.99	Pass
11ax-HE20	MCS0	52	5260	19.98	20.03	23.02	≤ 23.97	Pass
11ax-HE20	MCS0	60	5300	19.63	19.73	22.69	≤ 23.97	Pass
11ax-HE20	MCS0	64	5320	19.61	20.12	22.88	≤ 23.97	Pass
11ax-HE20	MCS0	100	5500	20.23	19.90	23.08	≤ 23.97	Pass
11ax-HE20	MCS0	116	5580	20.40	20.27	23.35	≤ 23.97	Pass
11ax-HE20	MCS0	140	5700	20.16	20.08	23.13	≤ 23.97	Pass
11ax-HE20	MCS0	144	5720	19.98	19.58	22.79	≤ 23.01	Pass
11ax-HE20	MCS0	149	5745	24.11	24.11	27.12	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	24.08	24.13	27.12	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	24.10	24.34	27.23	≤ 29.99	Pass
11ax-HE40	MCS0	38	5190	23.95	24.01	26.99	≤ 29.99	Pass
11ax-HE40	MCS0	46	5230	24.44	24.76	27.61	≤ 29.99	Pass
11ax-HE40	MCS0	54	5270	20.91	20.87	23.90	≤ 23.97	Pass
11ax-HE40	MCS0	62	5310	20.46	20.81	23.65	≤ 23.97	Pass
11ax-HE40	MCS0	102	5510	20.34	20.30	23.33	≤ 23.97	Pass
11ax-HE40	MCS0	110	5550	20.45	20.52	23.50	≤ 23.97	Pass
11ax-HE40	MCS0	134	5670	20.80	20.82	23.82	≤ 23.97	Pass
11ax-HE40	MCS0	142	5710	20.80	20.95	23.89	≤ 23.97	Pass
11ax-HE40	MCS0	151	5755	24.46	24.64	27.56	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	24.02	24.21	27.13	≤ 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
11ax-HE80	MCS0	42	5210	22.25	22.44	25.36	≤ 27.50	Pass
11ax-HE80	MCS0	58	5290	20.60	20.84	23.73	≤ 23.97	Pass
11ax-HE80	MCS0	106	5530	20.28	20.07	23.19	≤ 23.97	Pass
11ax-HE80	MCS0	122	5610	20.74	20.69	23.73	≤ 23.97	Pass
11ax-HE80	MCS0	138	5690	20.47	20.57	23.53	≤ 23.97	Pass
11ax-HE80	MCS0	155	5775	24.62	24.52	27.58	≤ 29.99	Pass
11ax-HE160	MCS0	50	5250	20.57	20.60	23.60	≤ 23.97	Pass
11ax-HE160	MCS0	114	5570	20.52	20.47	23.51	≤ 23.97	Pass
11be-EHT20	MCS0	36	5180	24.04	23.94	27.00	≤ 29.99	Pass
11be-EHT20	MCS0	40	5220	24.45	24.61	27.54	≤ 29.99	Pass
11be-EHT20	MCS0	48	5240	24.25	24.37	27.32	≤ 29.99	Pass
11be-EHT20	MCS0	52	5260	20.10	19.99	23.06	≤ 23.97	Pass
11be-EHT20	MCS0	60	5300	20.21	20.31	23.27	≤ 23.97	Pass
11be-EHT20	MCS0	64	5320	19.68	19.99	22.85	≤ 23.97	Pass
11be-EHT20	MCS0	100	5500	20.02	19.89	22.97	≤ 23.97	Pass
11be-EHT20	MCS0	116	5580	20.34	20.22	23.29	≤ 23.97	Pass
11be-EHT20	MCS0	140	5700	20.14	20.05	23.11	≤ 23.97	Pass
11be-EHT20	MCS0	144	5720	20.01	19.82	22.93	≤ 23.14	Pass
11be-EHT20	MCS0	149	5745	24.23	24.15	27.20	≤ 29.99	Pass
11be-EHT20	MCS0	157	5785	24.11	24.05	27.09	≤ 29.99	Pass
11be-EHT20	MCS0	165	5825	24.10	24.17	27.15	≤ 29.99	Pass
11be-EHT40	MCS0	38	5190	23.39	23.27	26.34	≤ 29.99	Pass
11be-EHT40	MCS0	46	5230	24.18	24.55	27.38	≤ 29.99	Pass
11be-EHT40	MCS0	54	5270	20.54	20.67	23.62	≤ 23.97	Pass
11be-EHT40	MCS0	62	5310	20.28	20.58	23.44	≤ 23.97	Pass
11be-EHT40	MCS0	102	5510	20.43	20.56	23.51	≤ 23.97	Pass
11be-EHT40	MCS0	110	5550	20.72	20.78	23.76	≤ 23.97	Pass
11be-EHT40	MCS0	134	5670	20.67	20.59	23.64	≤ 23.97	Pass
11be-EHT40	MCS0	142	5710	20.60	20.68	23.65	≤ 23.97	Pass
11be-EHT40	MCS0	151	5755	24.33	24.46	27.41	≤ 29.99	Pass
11be-EHT40	MCS0	159	5795	24.60	24.67	27.65	≤ 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
11be-EHT80	MCS0	42	5210	21.33	21.33	24.34	≤ 29.99	Pass
11be-EHT80	MCS0	58	5290	20.63	20.87	23.76	≤ 23.97	Pass
11be-EHT80	MCS0	106	5530	20.26	20.13	23.21	≤ 23.97	Pass
11be-EHT80	MCS0	122	5610	20.66	20.68	23.68	≤ 23.97	Pass
11be-EHT80	MCS0	138	5690	20.54	20.55	23.56	≤ 23.97	Pass
11be-EHT80	MCS0	155	5775	24.50	24.48	27.50	≤ 29.99	Pass
11be-EHT160	MCS0	50	5250	20.55	20.58	23.58	≤ 23.97	Pass
11be-EHT160	MCS0	114	5570	20.50	20.40	23.46	≤ 23.97	Pass
11be-EHT240	MCS0	130	5650	13.53	13.00	16.28	≤ 23.97	Pass

Note 1: The Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 0 Average Power }/10)} + 10^{(\text{Ant 1 Average Power }/10)}\}$.

Note 2:

For 5125 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 - (6.01- 6) = 29.99dBm

For 5250 - 5350MHz and 5470 - 5725MHz Band: Average Power Limit (dBm) = 23.98 - (6.01- 6) = 23.97dBm.

For Channel 144 (5720MHz), Average Power Limit (dBm) = $11+10*\log(5\text{MHz} + BW_{26dBc}/2)$ - (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.

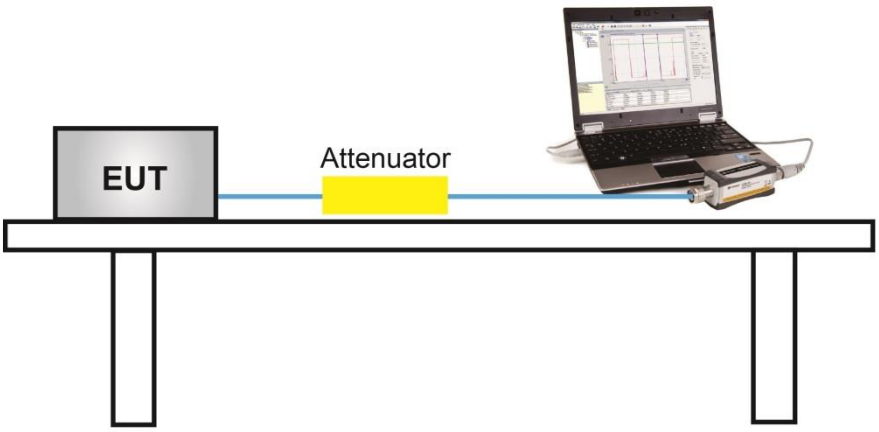
7.5.2.Test Procedure Used

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 theantenna exceeds 6dBi.

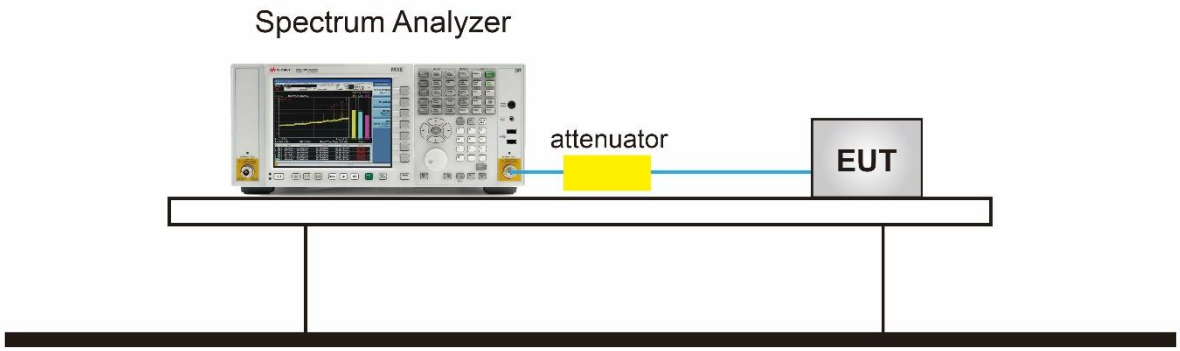
7.6.2.Test Procedure Used

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 ≥ 2 × (span / 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*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*log(1/0.25) = 6 dB if the duty cycle is 25 percent.

7.6.4.Test Setup



7.6.5.Test Result

Product	BE11000 Tri-Band Wi-Fi 7 Gaming Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/1/9~2024/4/2
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	12.130	11.988	95.75%	15.258	≤ 16.99	Pass
11a	6Mbps	44	5220	11.952	12.313	95.75%	15.335	≤ 16.99	Pass
11a	6Mbps	48	5240	12.136	12.213	95.75%	15.374	≤ 16.99	Pass
11a	6Mbps	52	5260	7.825	7.471	95.75%	10.851	≤ 10.99	Pass
11a	6Mbps	60	5300	7.389	7.471	95.75%	10.629	≤ 10.99	Pass
11a	6Mbps	64	5320	7.330	7.718	95.75%	10.727	≤ 10.99	Pass
11a	6Mbps	100	5500	7.552	7.721	95.75%	10.836	≤ 10.99	Pass
11a	6Mbps	116	5580	7.164	7.440	95.75%	10.503	≤ 10.99	Pass
11a	6Mbps	140	5700	7.346	7.323	95.75%	10.533	≤ 10.99	Pass
11a	6Mbps	144	5720	7.203	6.875	95.75%	10.241	≤ 10.99	Pass
11ac-VHT20	MCS0	36	5180	11.782	11.773	94.44%	15.036	≤ 16.99	Pass
11ac-VHT20	MCS0	40	5220	11.793	11.828	94.44%	15.069	≤ 16.99	Pass
11ac-VHT20	MCS0	48	5240	11.567	11.824	94.44%	14.956	≤ 16.99	Pass
11ac-VHT20	MCS0	52	5260	7.430	7.454	94.44%	10.701	≤ 10.99	Pass
11ac-VHT20	MCS0	60	5300	7.450	7.495	94.44%	10.731	≤ 10.99	Pass
11ac-VHT20	MCS0	64	5320	7.457	7.752	94.44%	10.866	≤ 10.99	Pass
11ac-VHT20	MCS0	100	5500	7.217	7.363	94.44%	10.549	≤ 10.99	Pass
11ac-VHT20	MCS0	116	5580	7.155	7.389	94.44%	10.532	≤ 10.99	Pass
11ac-VHT20	MCS0	140	5700	7.519	7.115	94.44%	10.580	≤ 10.99	Pass
11ac-VHT20	MCS0	144	5720	6.900	6.736	94.44%	10.078	≤ 10.99	Pass
11ac-VHT40	MCS0	38	5190	8.159	7.908	95.70%	11.236	≤ 16.99	Pass
11ac-VHT40	MCS0	46	5230	9.043	9.228	95.70%	12.338	≤ 16.99	Pass
11ac-VHT40	MCS0	54	5270	5.337	5.071	95.70%	8.407	≤ 10.99	Pass
11ac-VHT40	MCS0	62	5310	5.517	5.544	95.70%	8.732	≤ 10.99	Pass
11ac-VHT40	MCS0	102	5510	4.794	4.878	95.70%	8.037	≤ 10.99	Pass
11ac-VHT40	MCS0	110	5550	4.332	4.676	95.70%	7.709	≤ 10.99	Pass
11ac-VHT40	MCS0	134	5670	5.540	5.343	95.70%	8.644	≤ 10.99	Pass
11ac-VHT40	MCS0	142	5710	5.245	5.270	95.70%	8.459	≤ 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	4.213	4.425	95.54%	7.529	≤ 16.99	Pass
11ac-VHT80	MCS0	58	5290	2.462	1.982	95.54%	5.437	≤ 10.99	Pass
11ac-VHT80	MCS0	106	5530	1.426	1.389	95.54%	4.616	≤ 10.99	Pass
11ac-VHT80	MCS0	122	5610	1.713	1.995	95.54%	5.065	≤ 10.99	Pass
11ac-VHT80	MCS0	138	5690	1.550	1.992	95.54%	4.985	≤ 10.99	Pass
11ac-VHT160	MCS0	50	5250	-1.027	-0.894	91.72%	2.426	≤ 10.99	Pass
11ac-VHT160	MCS0	114	5570	-0.985	-0.933	91.72%	2.427	≤ 10.99	Pass
11ax-HE20	MCS0	36	5180	11.539	11.492	92.63%	14.858	≤ 16.99	Pass
11ax-HE20	MCS0	44	5220	11.556	11.619	92.63%	14.930	≤ 16.99	Pass
11ax-HE20	MCS0	48	5240	11.751	11.657	92.63%	15.047	≤ 16.99	Pass
11ax-HE20	MCS0	52	5260	7.418	7.330	92.63%	10.717	≤ 10.99	Pass
11ax-HE20	MCS0	60	5300	7.207	7.115	92.63%	10.504	≤ 10.99	Pass
11ax-HE20	MCS0	64	5320	7.347	7.777	92.63%	10.910	≤ 10.99	Pass
11ax-HE20	MCS0	100	5500	7.307	7.458	92.63%	10.726	≤ 10.99	Pass
11ax-HE20	MCS0	116	5580	7.394	7.516	92.63%	10.798	≤ 10.99	Pass
11ax-HE20	MCS0	140	5700	7.161	7.322	92.63%	10.585	≤ 10.99	Pass
11ax-HE20	MCS0	144	5720	6.794	6.649	92.63%	10.065	≤ 10.99	Pass
11ax-HE40	MCS0	38	5190	8.402	8.262	96.62%	11.492	≤ 16.99	Pass
11ax-HE40	MCS0	46	5230	8.740	8.955	96.62%	12.008	≤ 16.99	Pass
11ax-HE40	MCS0	54	5270	5.452	5.371	96.62%	8.571	≤ 10.99	Pass
11ax-HE40	MCS0	62	5310	5.409	5.219	96.62%	8.475	≤ 10.99	Pass
11ax-HE40	MCS0	102	5510	4.704	4.771	96.62%	7.897	≤ 10.99	Pass
11ax-HE40	MCS0	110	5550	4.288	4.441	96.62%	7.525	≤ 10.99	Pass
11ax-HE40	MCS0	134	5670	5.179	4.982	96.62%	8.241	≤ 10.99	Pass
11ax-HE40	MCS0	142	5710	5.051	4.926	96.62%	8.149	≤ 10.99	Pass
11ax-HE80	MCS0	42	5210	3.472	3.691	94.62%	6.833	≤ 16.99	Pass
11ax-HE80	MCS0	58	5290	2.082	2.103	94.62%	5.343	≤ 10.99	Pass
11ax-HE80	MCS0	106	5530	1.284	1.304	94.62%	4.544	≤ 10.99	Pass
11ax-HE80	MCS0	122	5610	1.843	1.674	94.62%	5.010	≤ 10.99	Pass
11ax-HE80	MCS0	122	5690	1.584	1.465	94.62%	4.775	≤ 10.99	Pass
11ax-HE160	MCS0	50	5250	-0.654	-0.551	94.00%	2.677	≤ 10.99	Pass
11ax-HE160	MCS0	114	5570	-1.151	-0.798	94.00%	2.308	≤ 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	10.882	11.028	92.36%	14.311	≤ 16.99	Pass
11be-EHT20	MCS0	44	5220	11.534	11.972	92.36%	15.114	≤ 16.99	Pass
11be-EHT20	MCS0	48	5240	11.620	11.629	92.36%	14.980	≤ 16.99	Pass
11be-EHT20	MCS0	52	5260	7.233	7.317	92.36%	10.631	≤ 10.99	Pass
11be-EHT20	MCS0	60	5300	7.505	7.556	92.36%	10.886	≤ 10.99	Pass
11be-EHT20	MCS0	64	5320	7.109	7.595	92.36%	10.714	≤ 10.99	Pass
11be-EHT20	MCS0	100	5500	7.122	7.255	92.36%	10.544	≤ 10.99	Pass
11be-EHT20	MCS0	116	5580	7.169	7.508	92.36%	10.697	≤ 10.99	Pass
11be-EHT20	MCS0	140	5700	7.397	7.315	92.36%	10.712	≤ 10.99	Pass
11be-EHT20	MCS0	144	5720	7.102	6.740	92.36%	10.280	≤ 10.99	Pass
11be-EHT40	MCS0	38	5190	7.689	7.679	96.57%	10.846	≤ 16.99	Pass
11be-EHT40	MCS0	46	5230	8.653	9.282	96.57%	12.141	≤ 16.99	Pass
11be-EHT40	MCS0	54	5270	5.309	5.266	96.57%	8.449	≤ 10.99	Pass
11be-EHT40	MCS0	62	5310	5.112	5.546	96.57%	8.496	≤ 10.99	Pass
11be-EHT40	MCS0	102	5510	4.815	4.889	96.57%	8.014	≤ 10.99	Pass
11be-EHT40	MCS0	110	5550	4.705	4.668	96.57%	7.848	≤ 10.99	Pass
11be-EHT40	MCS0	134	5670	4.820	5.049	96.57%	8.098	≤ 10.99	Pass
11be-EHT40	MCS0	142	5710	5.039	4.959	96.57%	8.161	≤ 10.99	Pass
11be-EHT80	MCS0	42	5210	2.533	2.861	91.74%	6.085	≤ 16.99	Pass
11be-EHT80	MCS0	58	5290	2.286	2.393	91.74%	5.725	≤ 10.99	Pass
11be-EHT80	MCS0	106	5530	1.457	1.663	91.74%	4.946	≤ 10.99	Pass
11be-EHT80	MCS0	122	5610	1.927	1.950	91.74%	5.323	≤ 10.99	Pass
11be-EHT80	MCS0	138	5690	2.040	1.935	91.74%	5.373	≤ 10.99	Pass
11be-EHT160	MCS0	50	5250	-0.563	-0.361	91.51%	2.935	≤ 10.99	Pass
11be-EHT160	MCS0	114	5570	-0.876	-0.842	91.51%	2.537	≤ 10.99	Pass
11be-EHT240	MCS0	130	5650	-9.730	-10.072	93.04%	-6.574	≤ 10.99	Pass

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

Note 2:

For5150 - 5250MHzBand: 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.

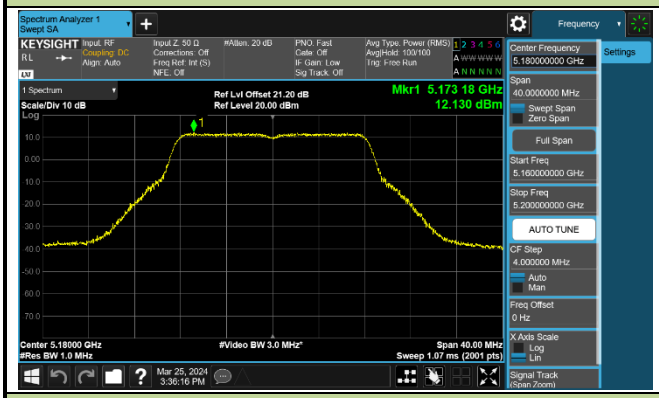
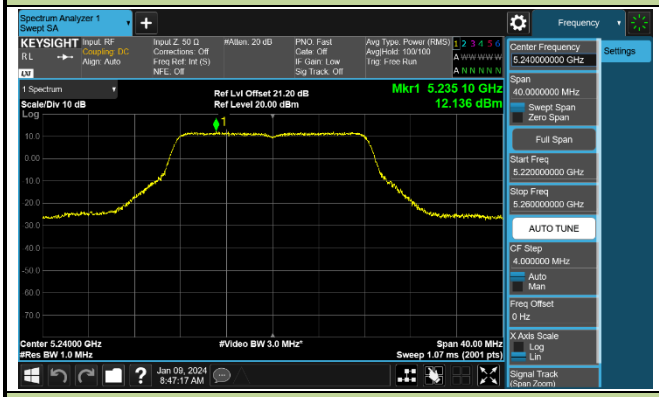
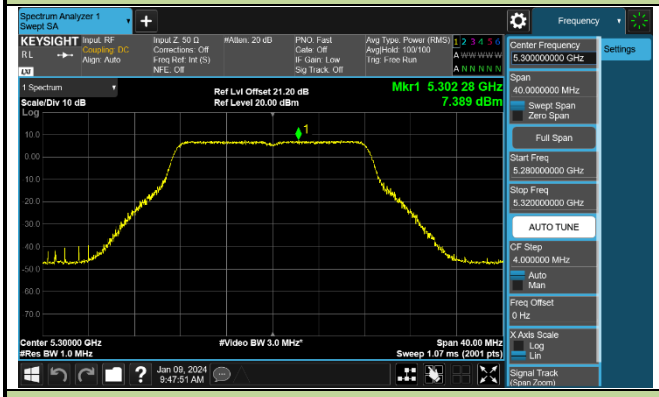
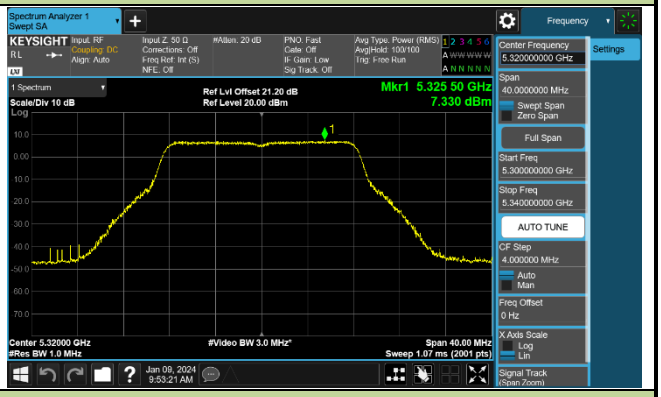
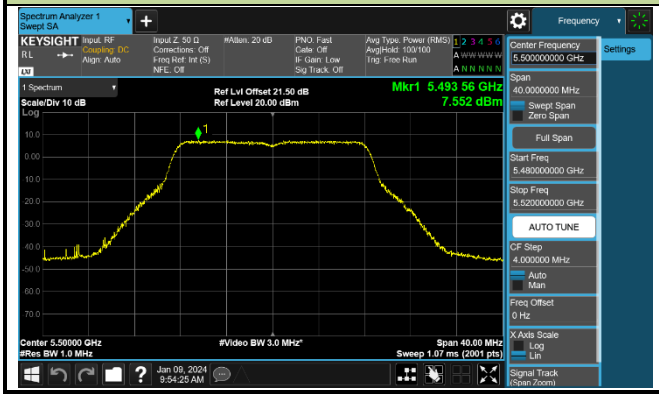
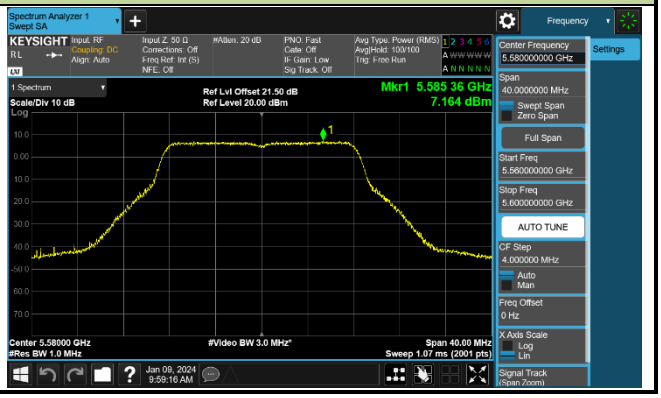
Product	BE11000 Tri-Band Wi-Fi 7 Gaming Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/1/9~2024/4/2
Test Item	Power Spectral Density (U-NII-3) CDD Mode		

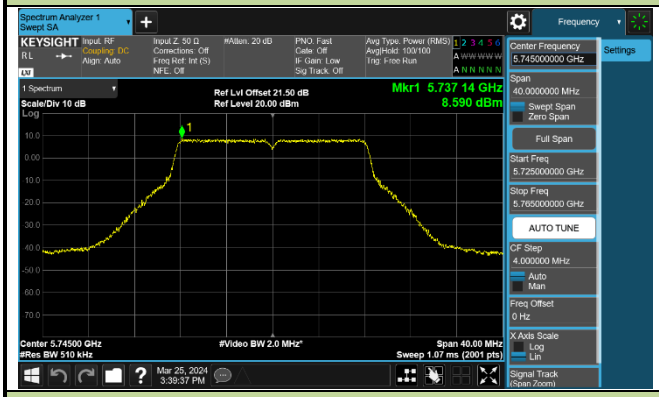
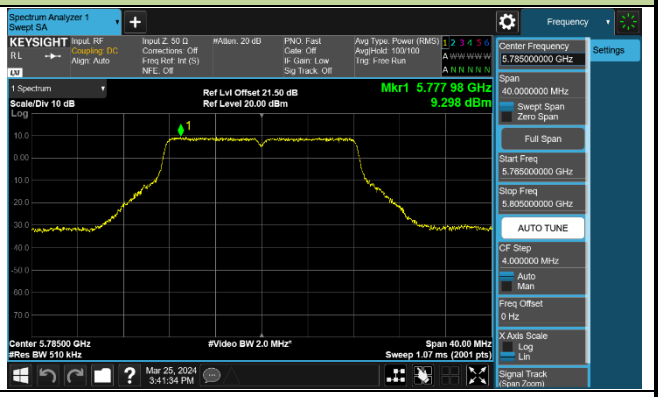
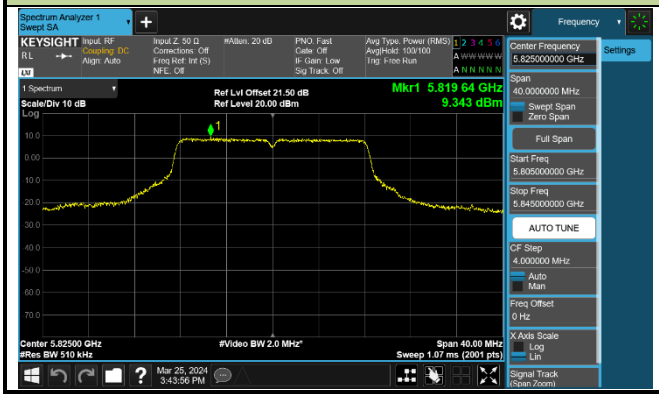
Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/510KHz)	Ant 1 PSD (dBm/510KHz)	Duty Cycle (%)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Result
11a	6Mbps	149	5745	8.590	8.512	95.75%	11.750	≤ 29.99	Pass
11a	6Mbps	157	5785	9.298	9.559	95.75%	12.629	≤ 29.99	Pass
11a	6Mbps	165	5825	9.343	9.013	95.75%	12.380	≤ 29.99	Pass
11ac-VHT20	MCS0	149	5745	8.361	8.263	94.44%	11.571	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	8.503	8.486	94.44%	11.753	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	8.568	8.754	94.44%	11.921	≤ 29.99	Pass
11ac-VHT40	MCS0	151	5755	6.303	5.984	95.70%	9.348	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	6.086	5.814	95.70%	9.153	≤ 29.99	Pass
11ac-VHT80	MCS0	155	5775	2.556	2.404	95.54%	5.689	≤ 29.99	Pass
11ax-HE20	MCS0	149	5745	8.639	8.081	92.63%	11.712	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	8.635	8.257	92.63%	11.793	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	8.894	8.627	92.63%	12.105	≤ 29.99	Pass
11ax-HE40	MCS0	151	5755	6.424	6.005	96.62%	9.379	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	6.109	5.898	96.62%	9.164	≤ 29.99	Pass
11ax-HE80	MCS0	155	5775	3.171	2.678	94.62%	6.182	≤ 29.99	Pass
11be-EHT20	MCS0	149	5745	8.021	8.249	92.36%	11.492	≤ 29.99	Pass
11be-EHT20	MCS0	157	5785	8.409	8.255	92.36%	11.688	≤ 29.99	Pass
11be-EHT20	MCS0	165	5825	8.517	8.671	92.36%	11.950	≤ 29.99	Pass
11be-EHT40	MCS0	151	5755	6.448	6.173	96.57%	9.475	≤ 29.99	Pass
11be-EHT40	MCS0	159	5795	6.490	6.507	96.57%	9.660	≤ 29.99	Pass
11be-EHT80	MCS0	155	5775	3.088	2.841	91.74%	6.351	≤ 29.99	Pass

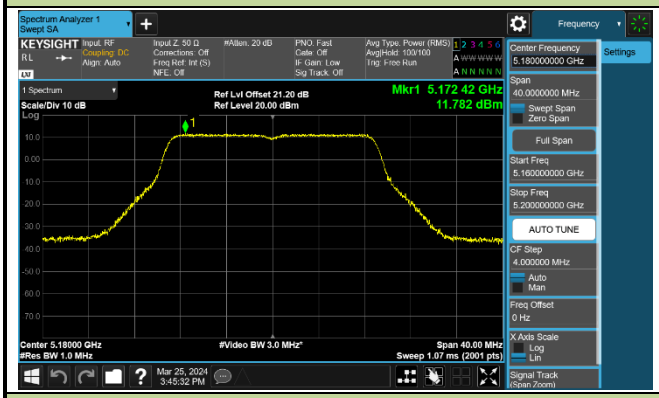
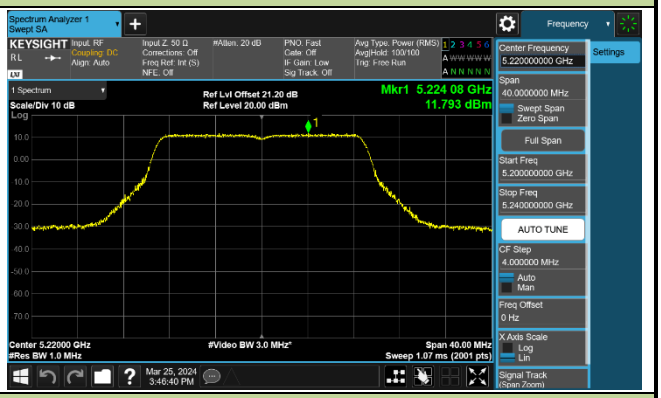
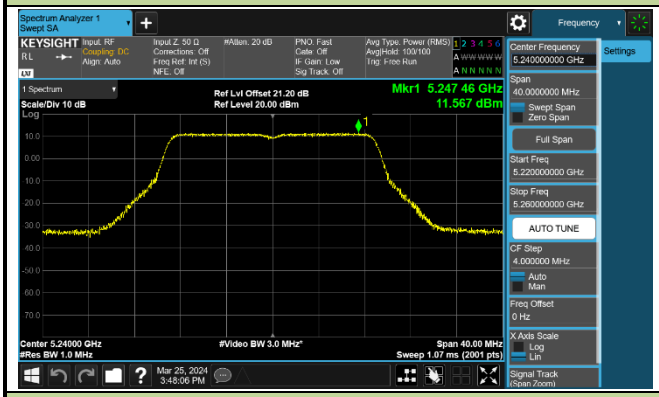
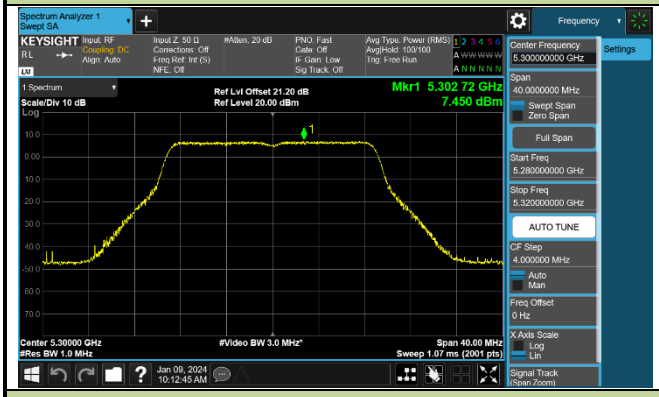
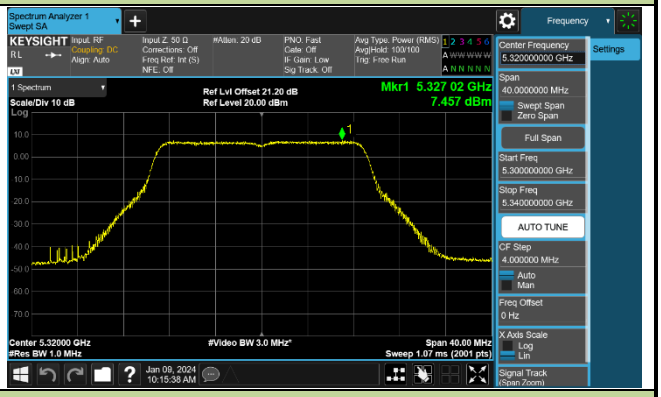
Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = 10*log {$10^{(\text{Ant 0 PSD}/10)}$ + $10^{(\text{Ant 1 PSD}/10)}$} (dBm/510kHz).

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

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

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)