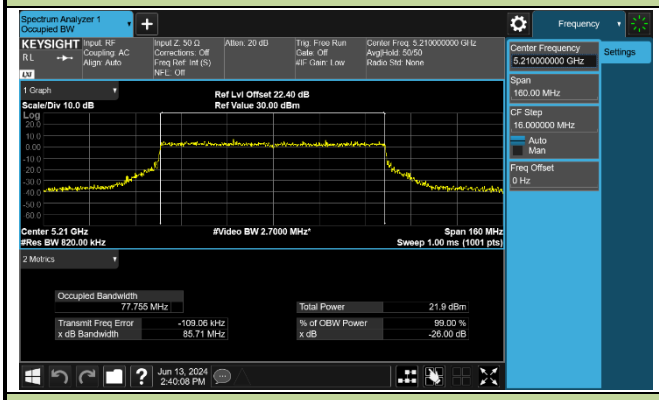
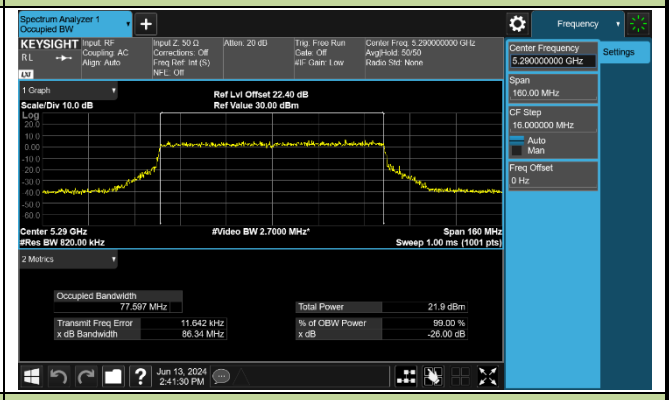
802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

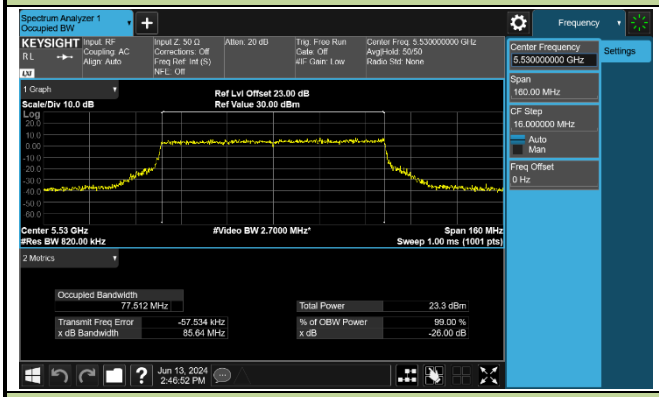
Channel 42 (5210MHz)



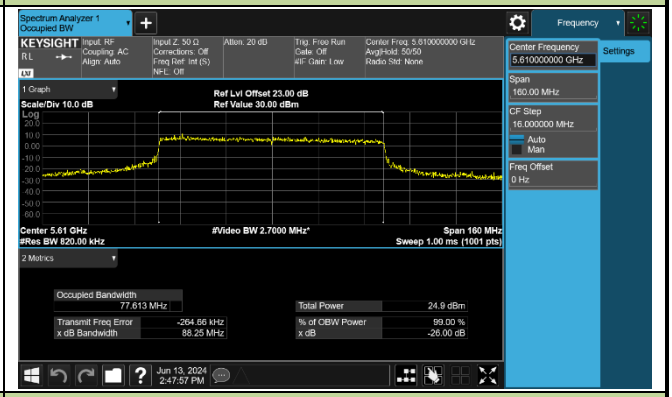
Channel 58 (5290MHz)



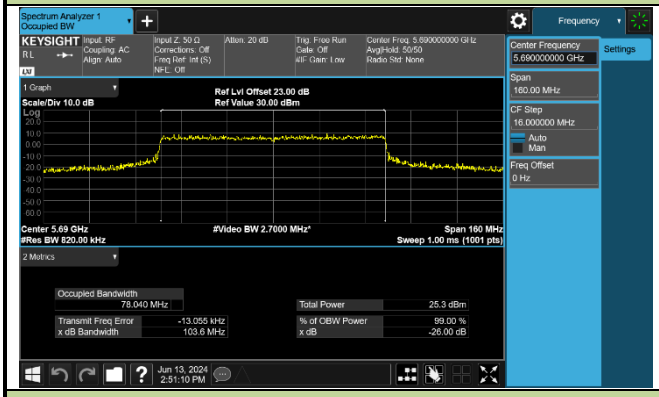
Channel 106 (5530MHz)



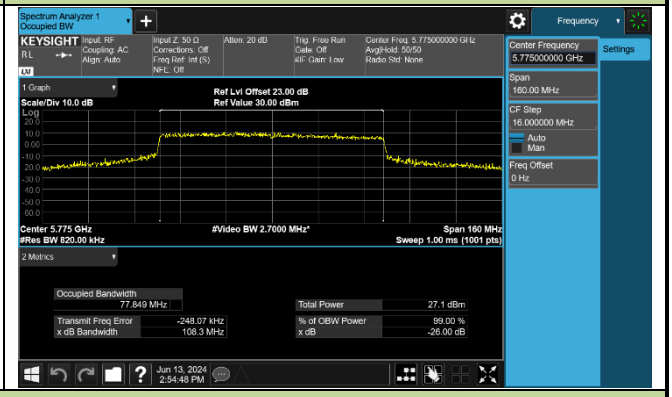
Channel 122 (5610MHz)



Channel 138 (5690MHz)

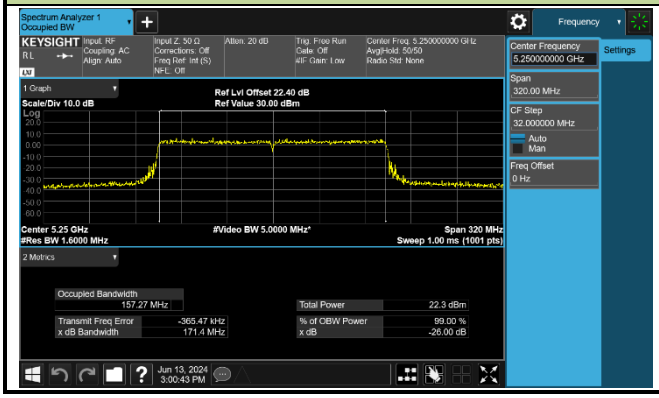


Channel 155 (5775MHz)

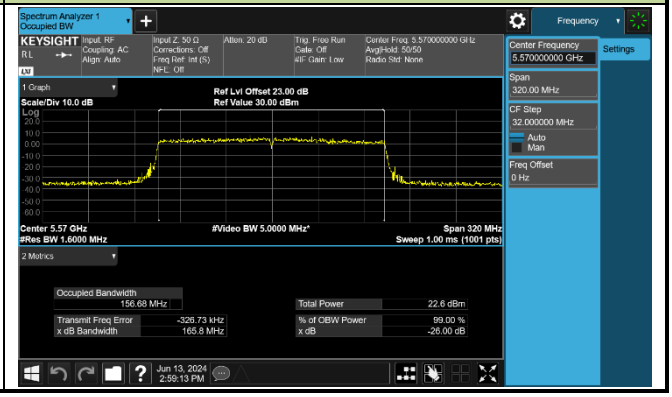


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

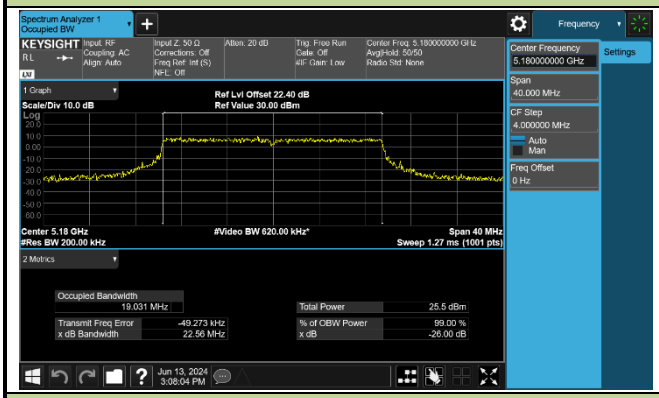


Channel 114 (5570MHz)

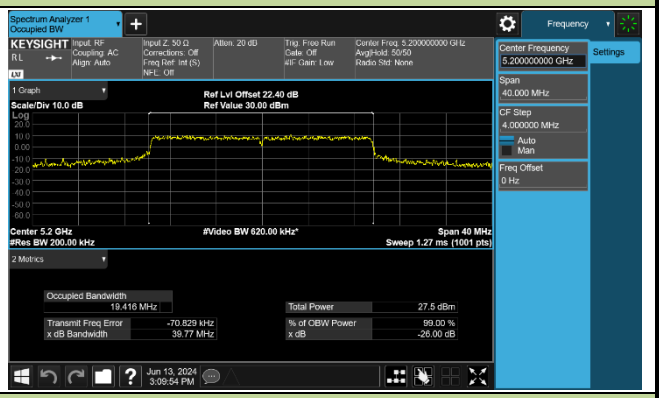


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

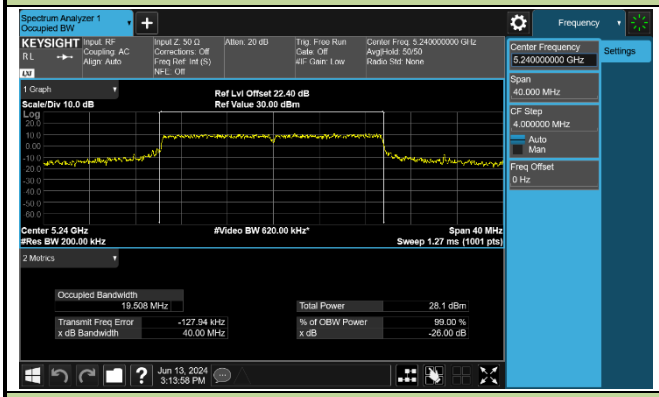
Channel 36 (5180MHz)



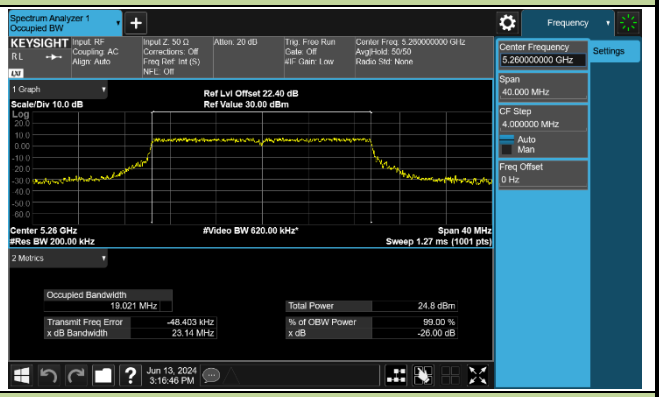
Channel 40 (5200MHz)



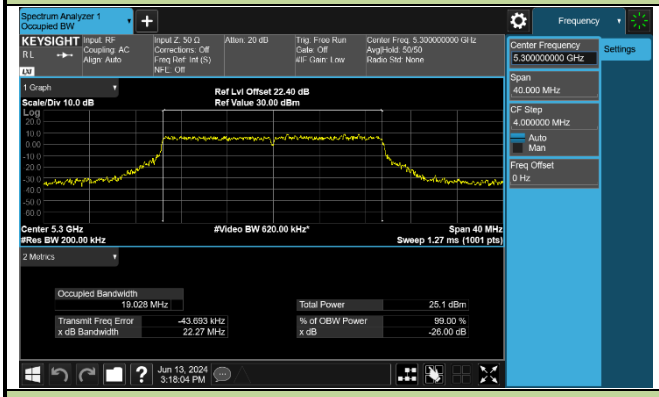
Channel 48 (5240MHz)



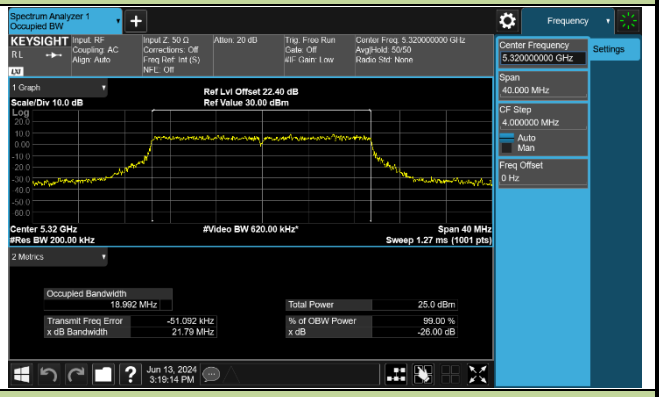
Channel 52 (5260MHz)



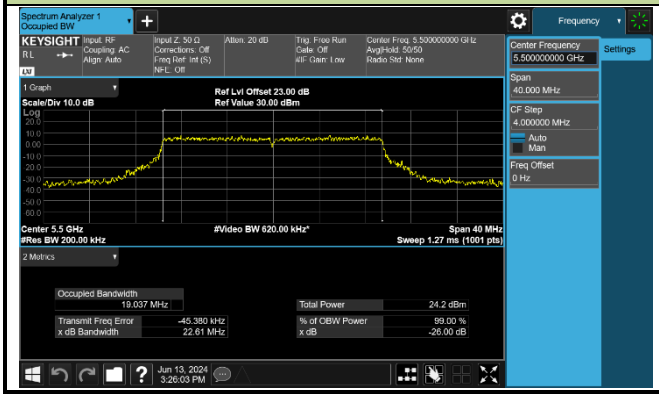
Channel 60 (5300MHz)



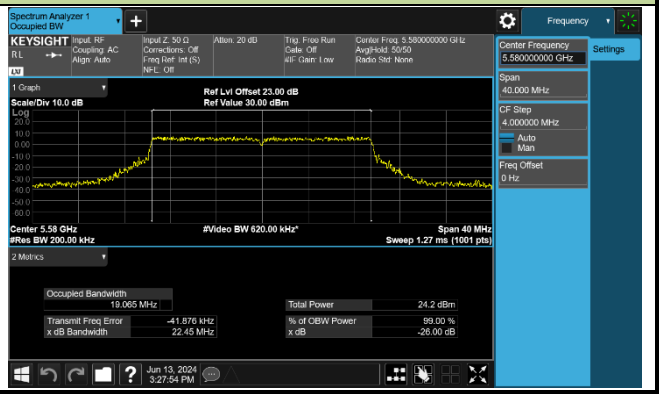
Channel 64 (5320MHz)

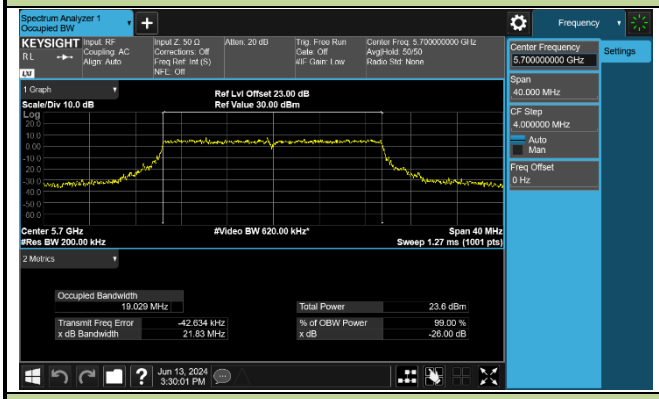
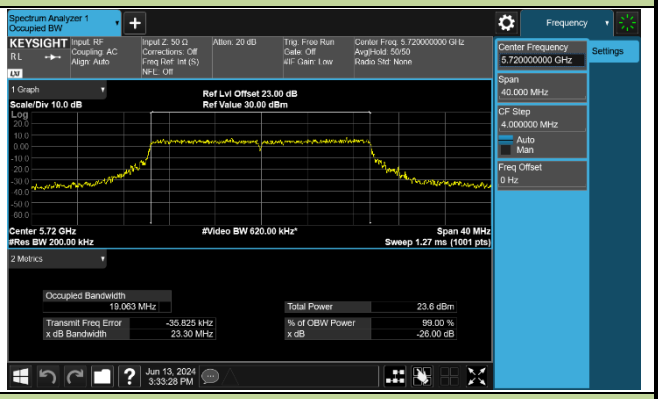
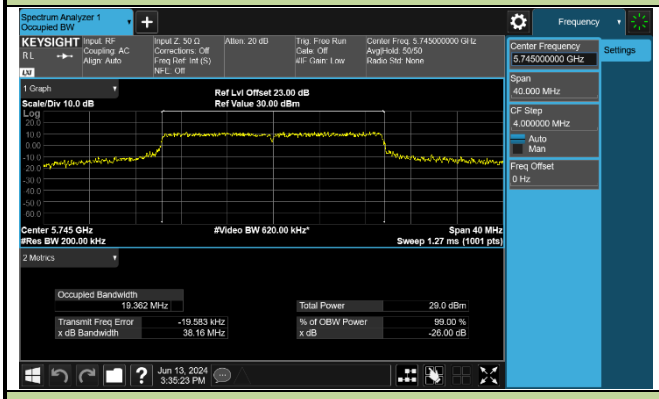
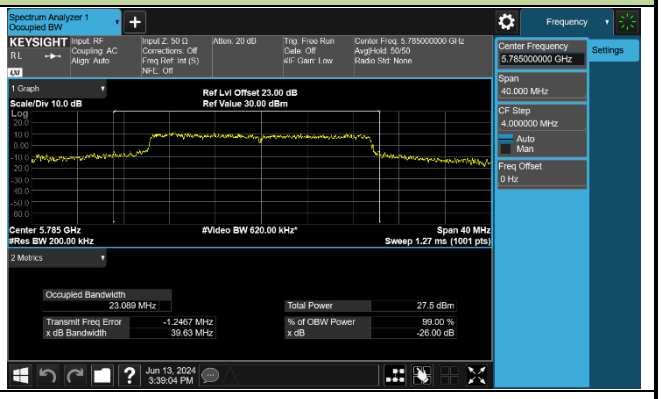
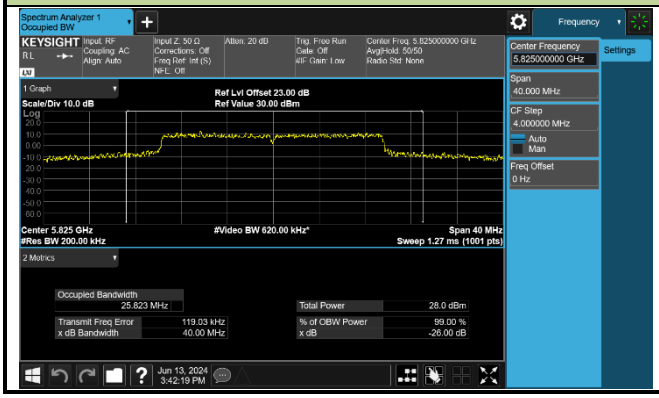


Channel 100 (5500MHz)



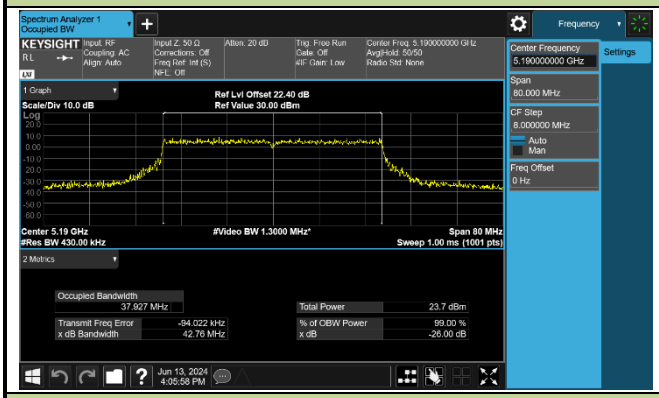
Channel 116 (5580MHz)



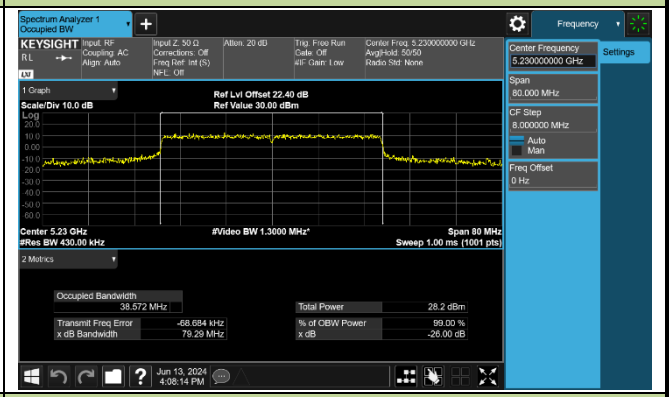
Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 144 (5785MHz)**
	
Channel 144 (5825MHz)	
	

802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

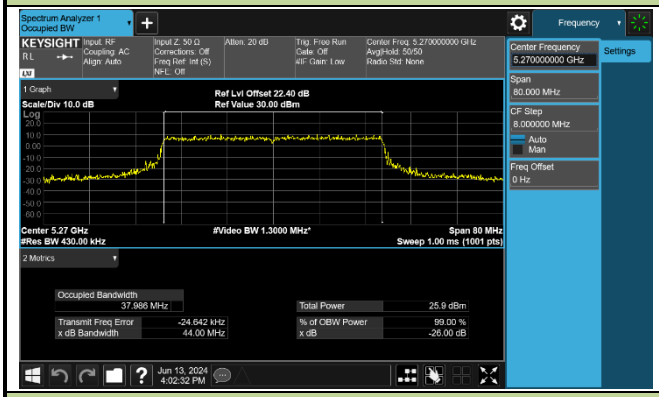
Channel 38 (5190MHz)



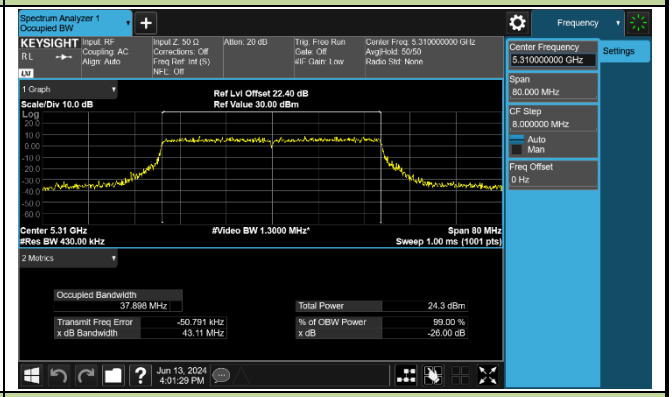
Channel 46 (5230MHz)



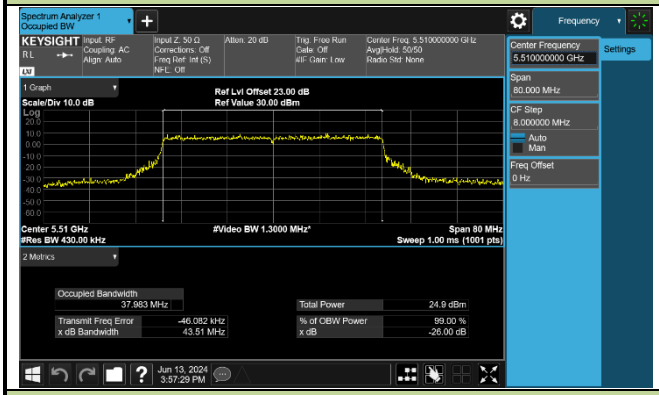
Channel 54 (5270MHz)



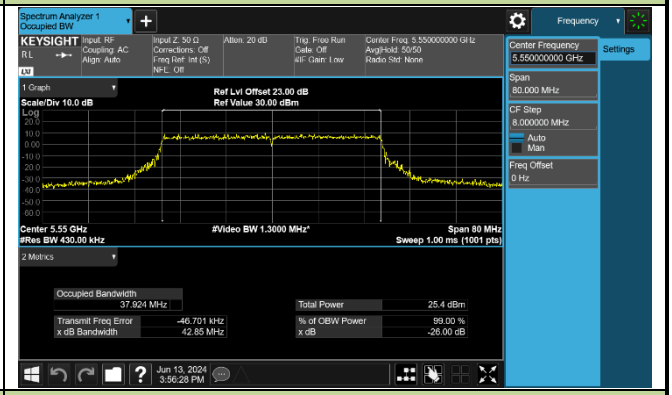
Channel 62 (5310MHz)



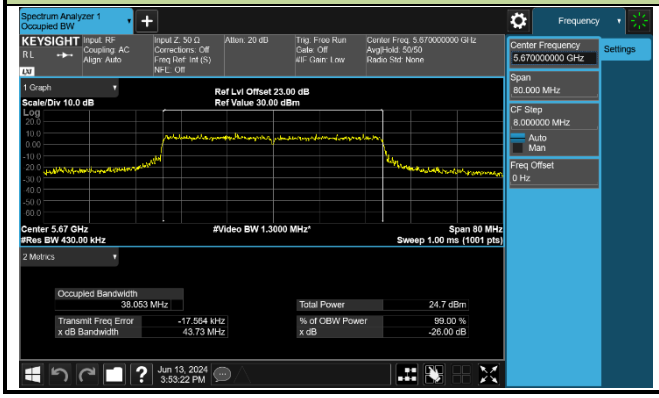
Channel 102 (5510MHz)



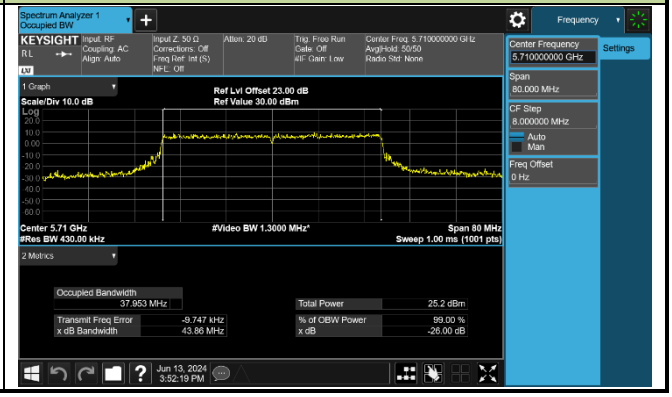
Channel 110 (5550MHz)

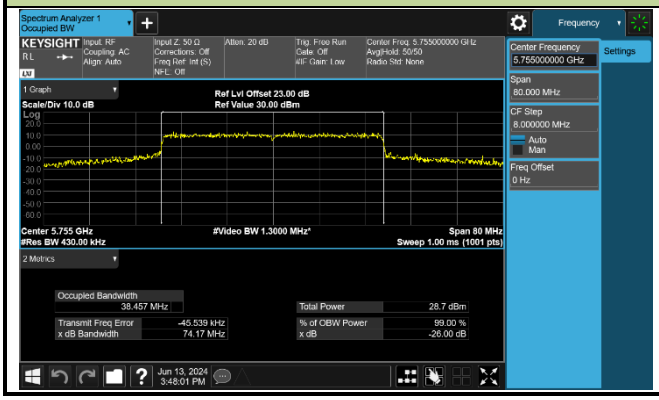
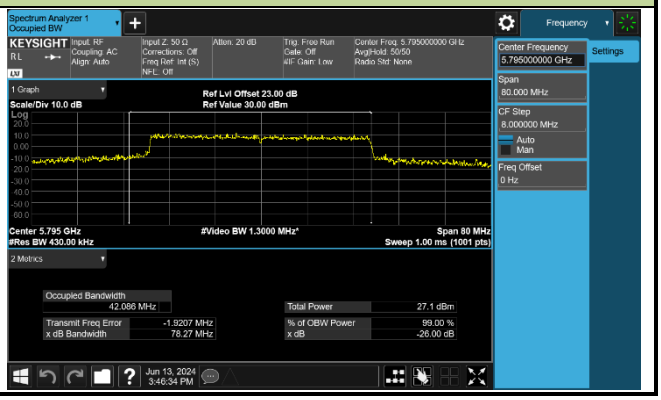


Channel 134 (5670MHz)



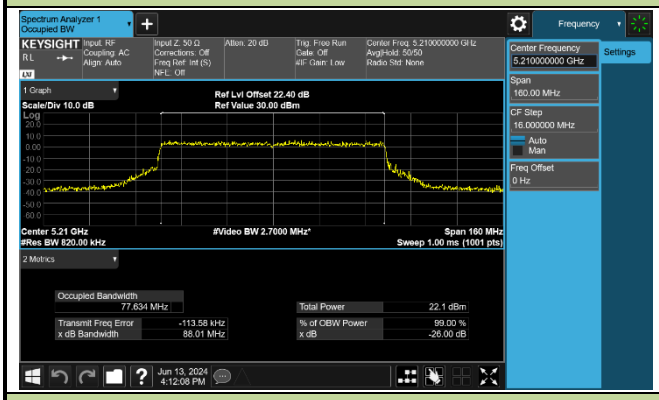
Channel 142 (5710MHz)



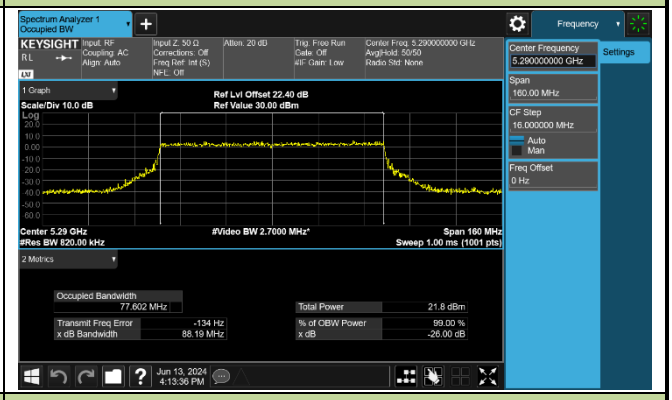
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

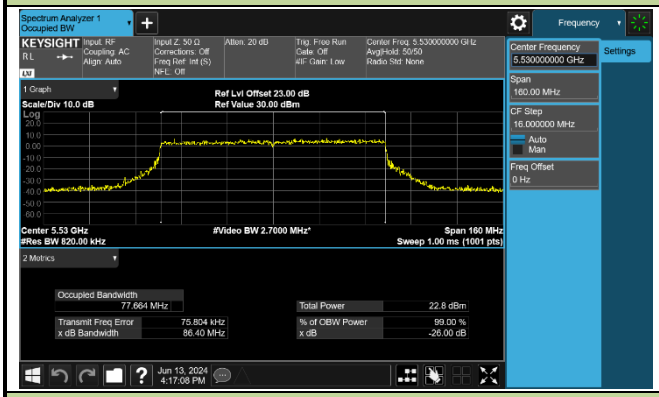
Channel 42 (5210MHz)



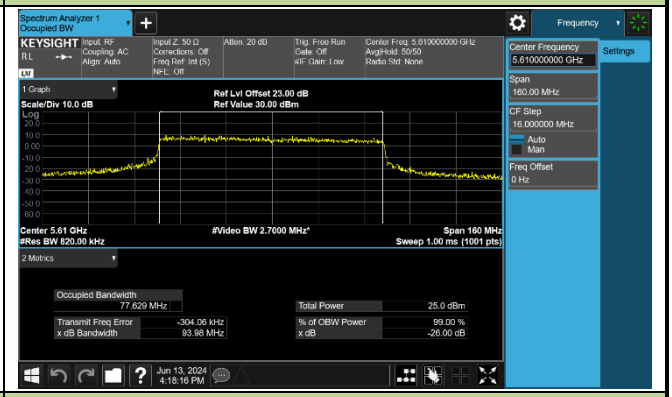
Channel 58 (5290MHz)



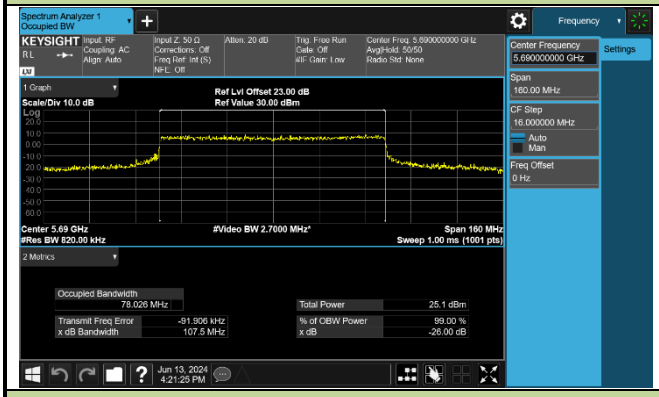
Channel 106 (5530MHz)



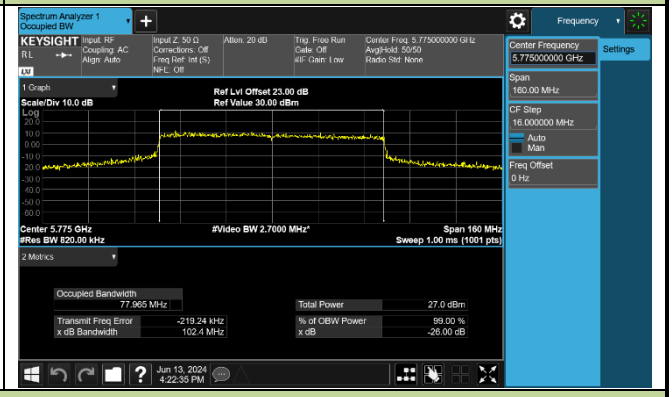
Channel 122 (5610MHz)



Channel 138 (5690MHz)

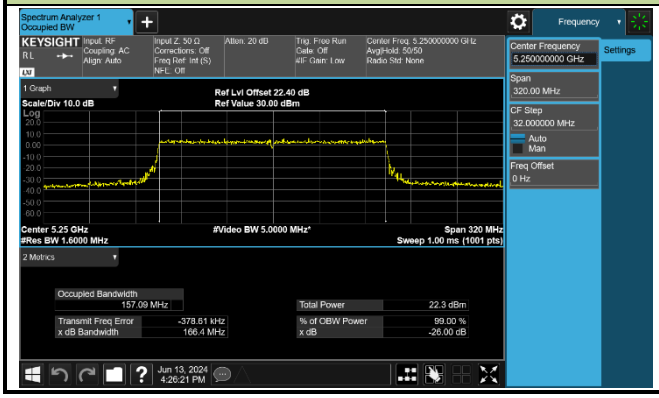


Channel 155 (5775MHz)

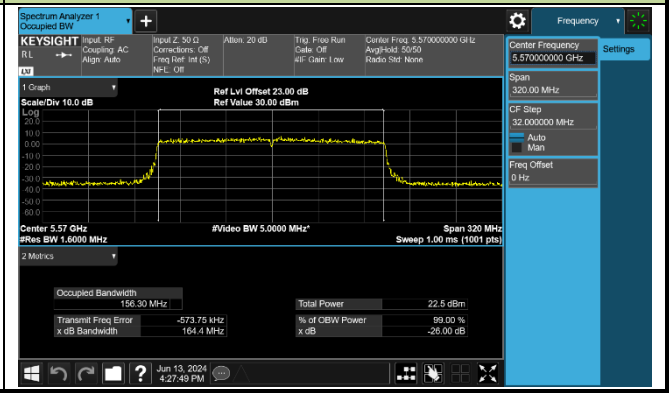


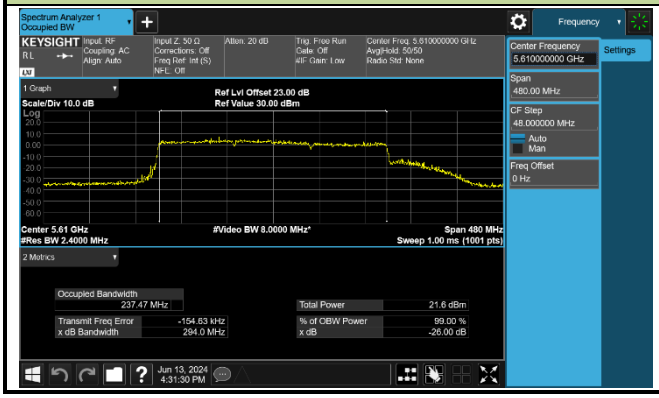
802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

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.

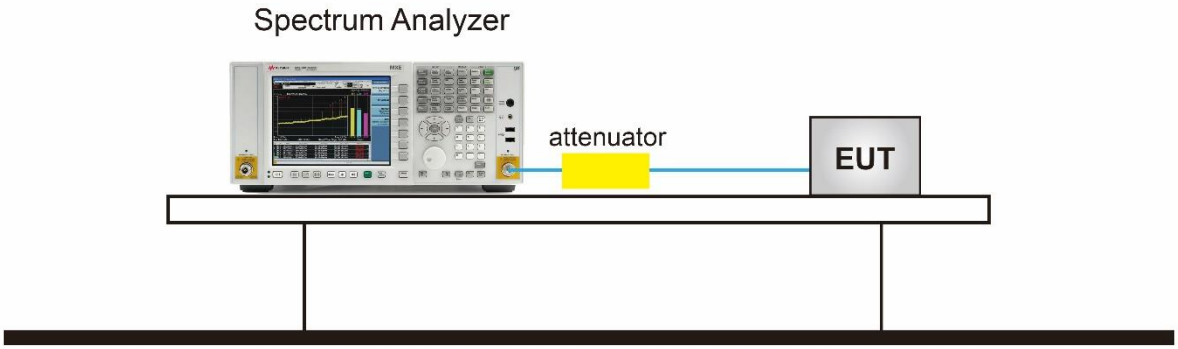
7.3.2.Test Procedure used

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



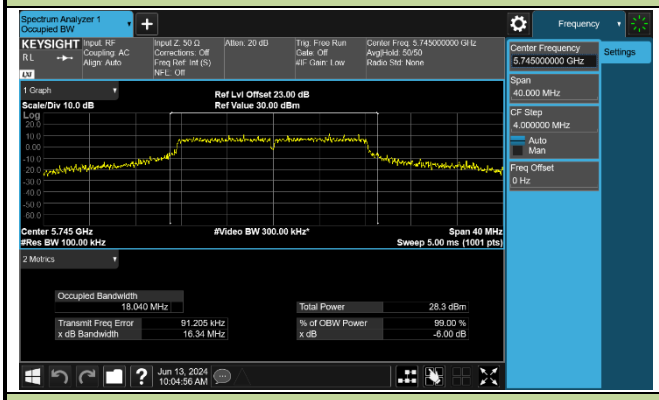
7.3.5.TestResult

Product	BE11000 Ceiling Mount Wi-Fi 7 Access Point	Test Engineer	Owen
Test Site	SR6	Test Date	2024/6/13

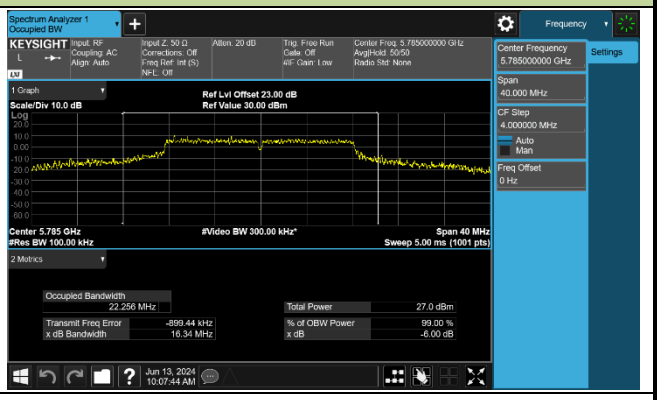
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0						
802.11a	6Mbps	149	5745	16.340	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.340	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.350	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.730	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.770	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.670	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.430	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.490	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.470	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	18.910	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	19.060	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	19.010	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	38.100	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.140	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	75.540	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	19.110	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	19.030	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	19.140	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	38.100	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	37.930	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	70.810	≥ 0.5	Pass

802.11a 6dB Bandwidth

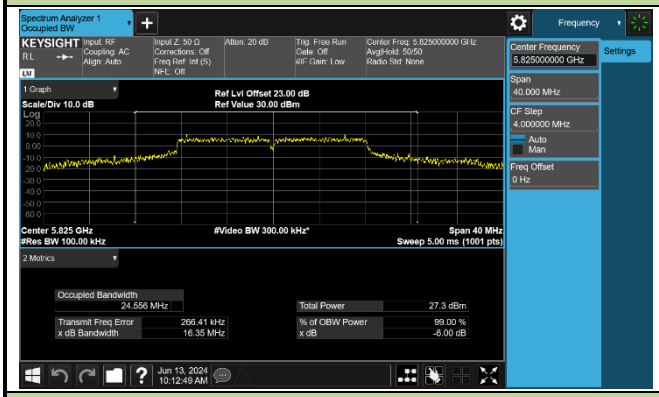
Channel 149 (5745MHz)



Channel 157 (5785MHz)

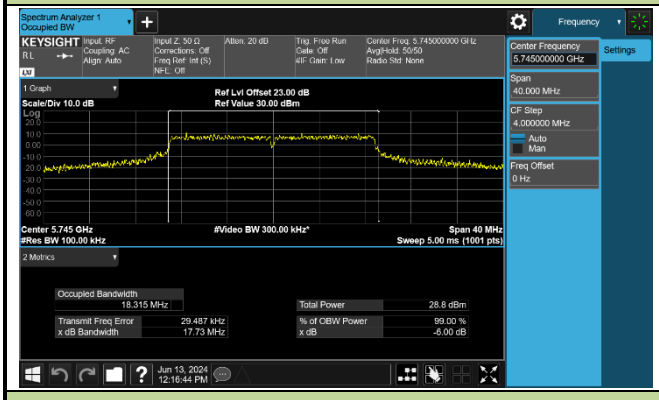


Channel 165 (5825MHz)

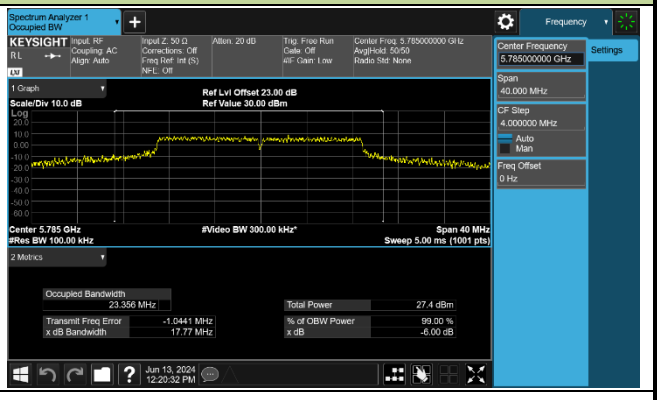


802.11ac-VHT20 6dB Bandwidth

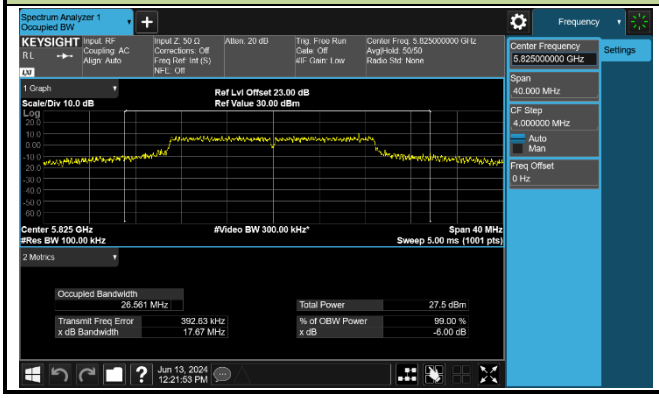
Channel 149 (5745MHz)

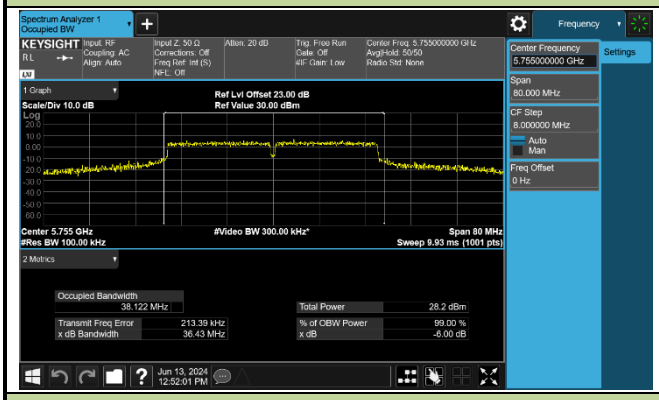
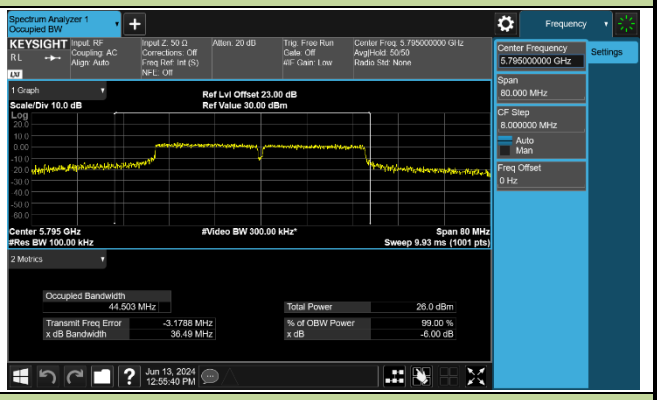
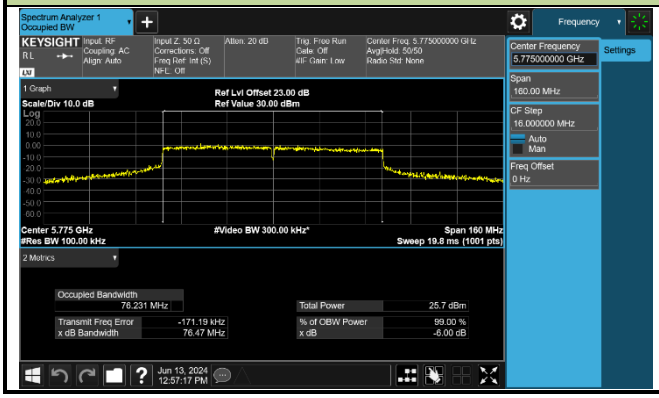


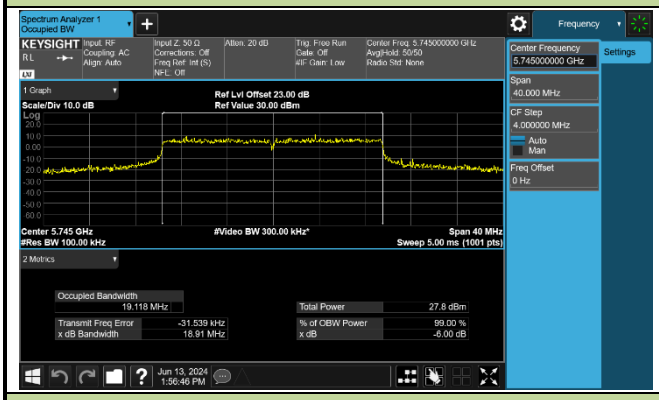
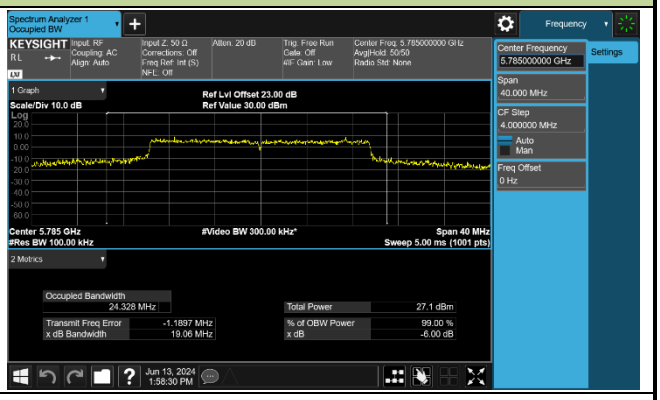
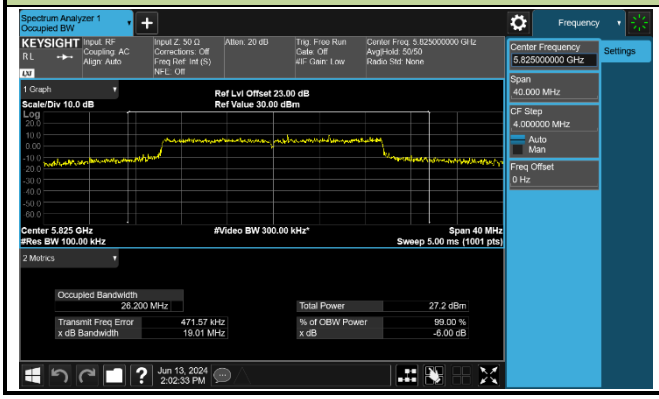
Channel 157 (5785MHz)

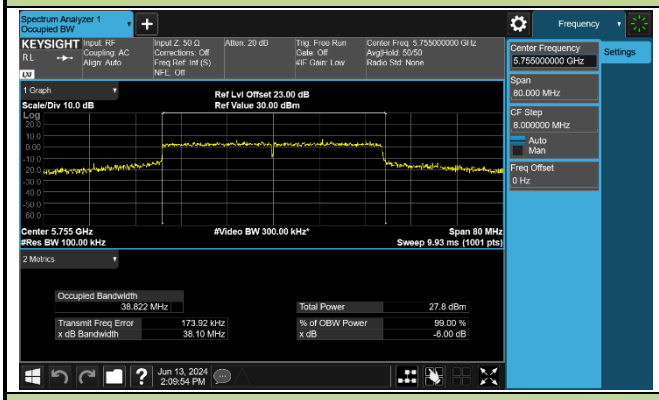
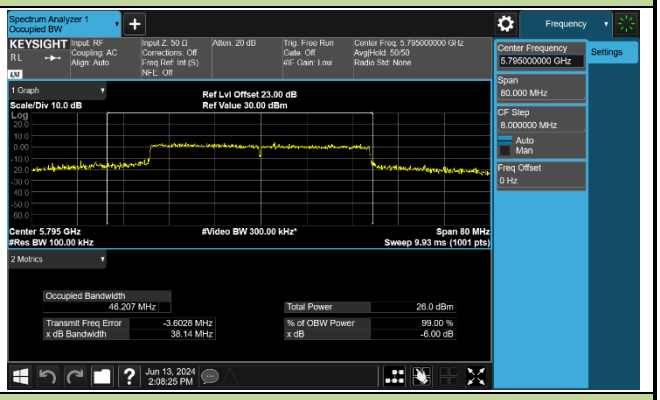
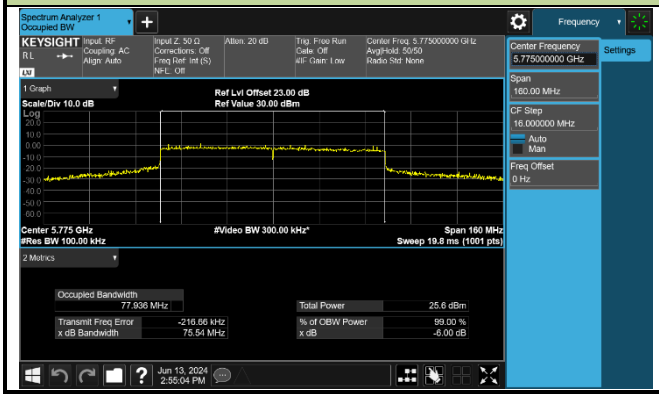


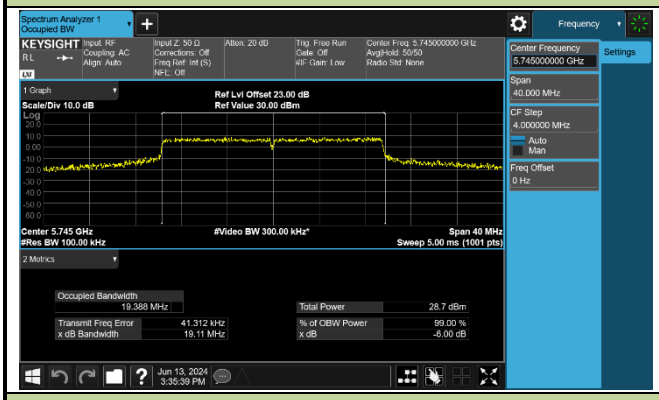
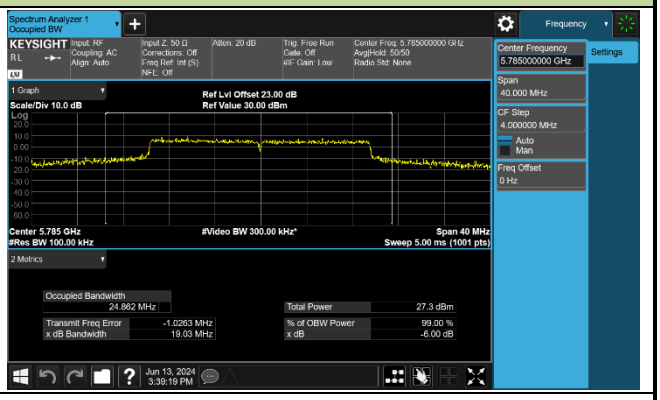
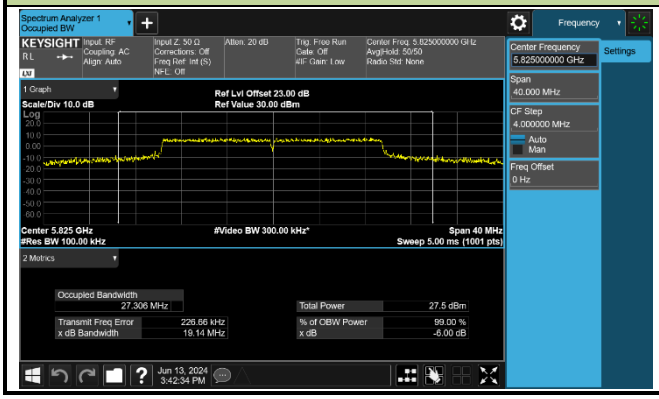
Channel 165 (5825MHz)

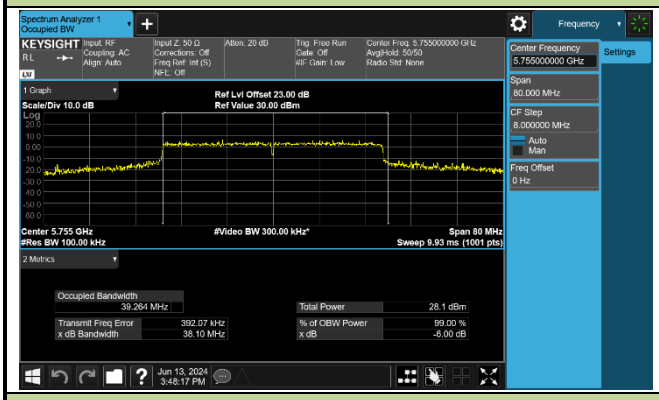
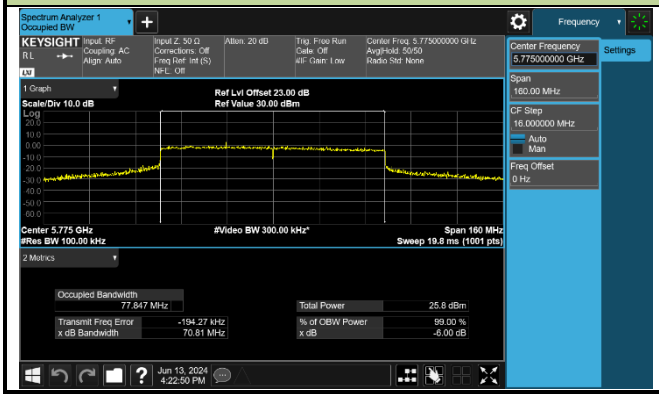


802.11ac-VHT40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ac-VHT80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

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.

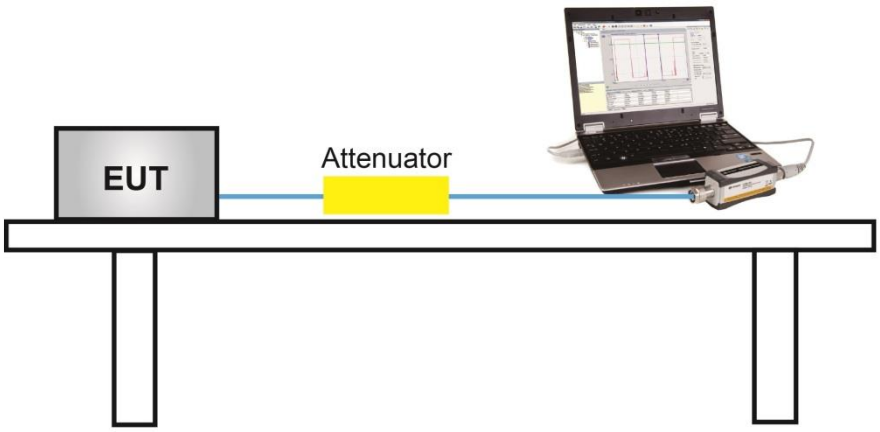
7.4.2.Test Procedure Used

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 Ceiling Mount Wi-Fi 7 Access Point	Test Engineer	Owen
Test Site	SR6	Test Date	2024/6/13
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	22.90	22.85	25.89	≤ 30.00	Pass
11a	6Mbps	40	5200	23.95	23.93	26.95	≤ 30.00	Pass
11a	6Mbps	48	5240	24.57	24.48	27.54	≤ 30.00	Pass
11a	6Mbps	52	5260	20.69	20.80	23.76	≤ 23.98	Pass
11a	6Mbps	60	5300	19.97	20.15	23.07	≤ 23.98	Pass
11a	6Mbps	64	5320	20.10	20.22	23.17	≤ 23.98	Pass
11a	6Mbps	100	5500	20.63	20.73	23.69	≤ 23.98	Pass
11a	6Mbps	116	5580	20.66	20.53	23.61	≤ 23.98	Pass
11a	6Mbps	140	5700	20.33	20.52	23.44	≤ 23.98	Pass
11a	6Mbps	144	5720	19.75	19.63	22.70	≤23.05	Pass
11a	6Mbps	149	5745	24.77	23.94	27.39	≤ 30.00	Pass
11a	6Mbps	157	5785	23.72	23.71	26.73	≤ 30.00	Pass
11a	6Mbps	165	5825	23.55	23.28	26.43	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	23.04	22.90	25.98	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5200	24.57	24.60	27.60	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.47	24.07	27.28	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	20.81	20.80	23.82	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	20.83	20.74	23.80	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	20.73	20.62	23.69	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	20.34	20.37	23.37	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	20.14	20.26	23.21	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	20.01	20.13	23.08	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	19.62	19.78	22.71	≤23.11	Pass
11ac-VHT20	MCS0	149	5745	24.64	24.06	27.37	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	23.79	24.04	26.93	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	23.78	24.11	26.96	≤ 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	22.16	21.91	25.05	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.14	23.87	27.02	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	21.03	20.61	23.84	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.34	19.99	23.18	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	21.17	20.46	23.84	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.93	20.67	23.81	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.86	19.97	23.45	≤23.98	Pass
11ac-VHT40	MCS0	142	5710	20.73	20.40	23.58	≤23.98	Pass
11ac-VHT40	MCS0	151	5755	25.30	24.31	27.84	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	23.69	24.00	26.86	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	19.22	19.04	22.14	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	17.26	17.30	20.29	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	20.57	20.43	23.51	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	21.35	20.35	23.89	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	21.20	20.22	23.75	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	23.20	23.20	26.21	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	18.71	18.77	21.75	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	18.51	18.62	21.58	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	22.36	22.20	25.29	≤ 30.00	Pass
11ax-HE20	MCS0	40	5200	24.01	23.96	27.00	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.49	24.51	27.51	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	20.70	20.79	23.76	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	20.67	20.69	23.69	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	20.69	20.55	23.63	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	20.56	20.83	23.71	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	20.69	20.63	23.67	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	19.10	19.12	22.12	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.75	19.70	22.74	≤ 23.13	Pass
11ax-HE20	MCS0	149	5745	24.45	23.81	27.15	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	23.90	24.02	26.97	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.88	24.02	26.96	≤ 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	18.46	18.43	21.46	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.16	23.78	26.98	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.86	20.64	23.76	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	19.33	19.22	22.29	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	20.78	20.77	23.79	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.98	20.38	23.70	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	21.22	20.36	23.82	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.88	20.32	23.62	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	24.52	23.82	27.19	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	23.30	24.00	26.67	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	18.56	18.53	21.56	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	17.93	18.10	21.03	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	19.72	19.63	22.69	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	21.12	20.46	23.81	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	21.00	20.16	23.61	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	23.33	23.29	26.32	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	18.86	19.03	21.96	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	19.26	19.48	22.38	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	21.59	21.51	24.56	≤ 30.00	Pass
11be-EHT20	MCS0	40	5200	24.03	23.99	27.02	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	24.02	24.16	27.10	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	20.82	20.84	23.84	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	20.74	20.79	23.78	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	20.81	20.67	23.75	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	20.16	20.45	23.32	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	20.15	20.30	23.24	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	19.44	19.56	22.51	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	19.65	19.77	22.72	≤ 23.21	Pass
11be-EHT20	MCS0	149	5745	24.56	24.25	27.42	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	23.88	24.02	26.96	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	23.80	24.15	26.99	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11be-EHT40	MCS0	38	5190	19.42	19.38	22.41	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	24.17	23.77	26.98	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.87	20.69	23.79	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	19.71	19.78	22.76	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	20.54	20.42	23.49	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.59	20.42	23.52	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	20.26	20.02	23.15	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.56	20.35	23.47	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	24.74	23.70	27.26	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	23.50	23.80	26.66	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	18.39	18.48	21.45	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	18.06	17.99	21.04	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	19.23	18.94	22.10	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.61	20.29	23.46	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	21.01	20.70	23.87	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	23.15	23.19	26.18	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	19.00	18.98	22.00	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	19.27	19.36	22.33	≤ 23.98	Pass
11be-EHT240	MCS0	130	5650	18.95	18.30	21.65	≤ 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 Ceiling Mount Wi-Fi 7 Access Point	Test Engineer	Owen
Test Site	SR6	Test Date	2024/6/13
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	23.04	22.90	25.98	≤ 29.99	Pass
11ac-VHT20	MCS0	40	5200	24.57	24.60	27.60	≤ 29.99	Pass
11ac-VHT20	MCS0	48	5240	24.47	24.07	27.28	≤ 29.99	Pass
11ac-VHT20	MCS0	52	5260	20.81	20.80	23.82	≤ 23.97	Pass
11ac-VHT20	MCS0	60	5300	20.83	20.74	23.80	≤ 23.97	Pass
11ac-VHT20	MCS0	64	5320	20.73	20.62	23.69	≤ 23.97	Pass
11ac-VHT20	MCS0	100	5500	20.34	20.37	23.37	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	20.14	20.26	23.21	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	20.01	20.13	23.08	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	19.62	19.78	22.71	≤ 23.30	Pass
11ac-VHT20	MCS0	149	5745	24.64	24.06	27.37	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	23.79	24.04	26.93	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	23.78	24.11	26.96	≤ 30.00	Pass
11ac-VHT40	MCS0	38	5190	22.16	21.91	25.05	≤ 29.99	Pass
11ac-VHT40	MCS0	46	5230	24.14	23.87	27.02	≤ 29.99	Pass
11ac-VHT40	MCS0	54	5270	21.03	20.61	23.84	≤ 23.97	Pass
11ac-VHT40	MCS0	62	5310	20.34	19.99	23.18	≤ 23.97	Pass
11ac-VHT40	MCS0	102	5510	21.17	20.46	23.84	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.93	20.67	23.81	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.86	19.97	23.45	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.73	20.40	23.58	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	25.30	24.31	27.84	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	23.69	24.00	26.86	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	19.22	19.04	22.14	≤ 29.99	Pass
11ac-VHT80	MCS0	58	5290	17.26	17.30	20.29	≤ 23.97	Pass
11ac-VHT80	MCS0	106	5530	20.57	20.43	23.51	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	21.35	20.35	23.89	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	21.20	20.22	23.75	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	23.20	23.20	26.21	≤ 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-VHT160	MCS0	50	5250	18.71	18.77	21.75	≤ 23.97	Pass
11ac-VHT160	MCS0	114	5570	18.51	18.62	21.58	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	22.36	22.20	25.29	≤ 29.99	Pass
11ax-HE20	MCS0	40	5200	24.01	23.96	27.00	≤ 29.99	Pass
11ax-HE20	MCS0	48	5240	24.49	24.51	27.51	≤ 29.99	Pass
11ax-HE20	MCS0	52	5260	20.70	20.79	23.76	≤ 23.97	Pass
11ax-HE20	MCS0	60	5300	20.67	20.69	23.69	≤ 23.97	Pass
11ax-HE20	MCS0	64	5320	20.69	20.55	23.63	≤ 23.97	Pass
11ax-HE20	MCS0	100	5500	20.56	20.83	23.71	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	20.69	20.63	23.67	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	19.10	19.12	22.12	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.75	19.70	22.74	≤ 23.32	Pass
11ax-HE20	MCS0	149	5745	24.45	23.81	27.15	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	23.90	24.02	26.97	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.88	24.02	26.96	≤ 30.00	Pass
11ax-HE40	MCS0	38	5190	18.46	18.43	21.46	≤ 29.99	Pass
11ax-HE40	MCS0	46	5230	24.16	23.78	26.98	≤ 29.99	Pass
11ax-HE40	MCS0	54	5270	20.86	20.64	23.76	≤ 23.97	Pass
11ax-HE40	MCS0	62	5310	19.33	19.22	22.29	≤ 23.97	Pass
11ax-HE40	MCS0	102	5510	20.78	20.77	23.79	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.98	20.38	23.70	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	21.22	20.36	23.82	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.88	20.32	23.62	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	24.52	23.82	27.19	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	23.30	24.00	26.67	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	18.56	18.53	21.56	≤ 29.99	Pass
11ax-HE80	MCS0	58	5290	17.93	18.10	21.03	≤ 23.97	Pass
11ax-HE80	MCS0	106	5530	19.72	19.63	22.69	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	21.12	20.46	23.81	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	21.00	20.16	23.61	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	23.33	23.29	26.32	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	18.86	19.03	21.96	≤ 23.97	Pass
11ax-HE160	MCS0	114	5570	19.26	19.48	22.38	≤ 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)	Power Limit (dBm)	Result
11be-EHT20	MCS0	36	5180	21.59	21.51	24.56	≤ 29.99	Pass
11be-EHT20	MCS0	40	5200	24.03	23.99	27.02	≤ 29.99	Pass
11be-EHT20	MCS0	48	5240	24.02	24.16	27.10	≤ 29.99	Pass
11be-EHT20	MCS0	52	5260	20.82	20.84	23.84	≤ 23.97	Pass
11be-EHT20	MCS0	60	5300	20.74	20.79	23.78	≤ 23.97	Pass
11be-EHT20	MCS0	64	5320	20.81	20.67	23.75	≤ 23.97	Pass
11be-EHT20	MCS0	100	5500	20.16	20.45	23.32	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	20.15	20.30	23.24	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	19.44	19.56	22.51	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	19.65	19.77	22.72	≤ 23.40	Pass
11be-EHT20	MCS0	149	5745	24.56	24.25	27.42	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	23.88	24.02	26.96	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	23.80	24.15	26.99	≤ 30.00	Pass
11be-EHT40	MCS0	38	5190	19.42	19.38	22.41	≤ 29.99	Pass
11be-EHT40	MCS0	46	5230	24.17	23.77	26.98	≤ 29.99	Pass
11be-EHT40	MCS0	54	5270	20.87	20.69	23.79	≤ 23.97	Pass
11be-EHT40	MCS0	62	5310	19.71	19.78	22.76	≤ 23.97	Pass
11be-EHT40	MCS0	102	5510	20.54	20.42	23.49	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.59	20.42	23.52	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	20.26	20.02	23.15	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.56	20.35	23.47	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	24.74	23.70	27.26	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	23.50	23.80	26.66	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	18.39	18.48	21.45	≤ 29.99	Pass
11be-EHT80	MCS0	58	5290	18.06	17.99	21.04	≤ 23.97	Pass
11be-EHT80	MCS0	106	5530	19.23	18.94	22.10	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.61	20.29	23.46	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	21.01	20.70	23.87	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	23.15	23.19	26.18	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	19.00	18.98	22.00	≤ 23.97	Pass
11be-EHT160	MCS0	114	5570	19.27	19.36	22.33	≤ 23.98	Pass
11be-EHT240	MCS0	130	5650	18.95	18.30	21.65	≤ 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 5125 - 5250MHz Band: Average Power Limit (dBm) = 30 - (6.01- 6) = 29.99dBm

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

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

7.5. Transmit Power Control

7.5.1.Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

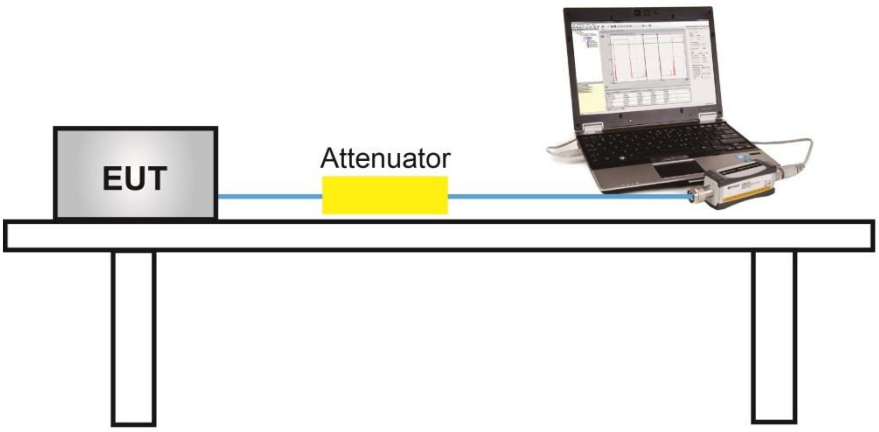
7.5.2.Test Procedure Used

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

7.5.3.Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.5.4.Test Setup



7.5.5.Test Result

Device supports TPC mechanism, details refer to the operational description.

7.6. Power Spectral Density Measurement

7.6.1.Test Limit

For the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of theantenna exceeds 6dBi.

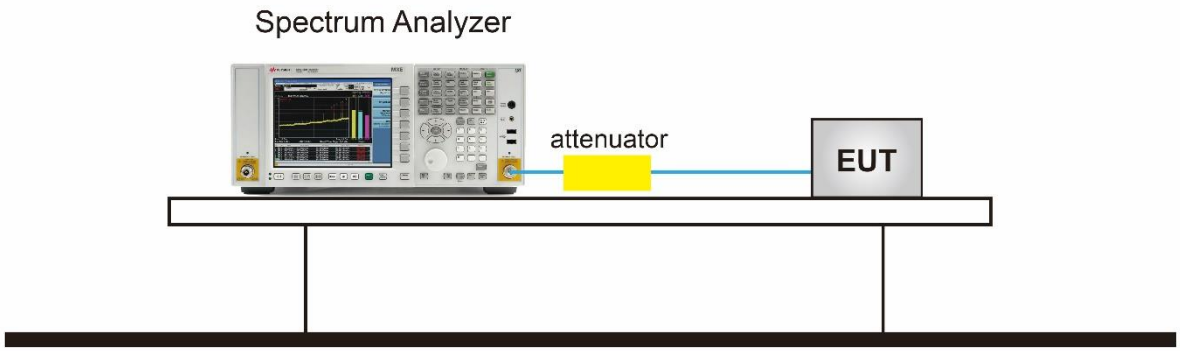
7.6.2.Test Procedure Used

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 Ceiling Mount Wi-Fi 7 Access Point	Test Engineer	Owen
Test Site	SR6	Test Date	2024/5/30~2024/6/13
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	10.367	10.421	99.25%	13.437	≤ 16.99	Pass
11a	6Mbps	40	5200	11.343	11.346	99.25%	14.387	≤ 16.99	Pass
11a	6Mbps	48	5240	11.939	11.949	99.25%	14.987	≤ 16.99	Pass
11a	6Mbps	52	5260	7.984	7.403	99.25%	10.746	≤ 10.99	Pass
11a	6Mbps	60	5300	7.816	7.014	99.25%	10.476	≤ 10.99	Pass
11a	6Mbps	64	5320	7.531	7.306	99.25%	10.463	≤ 10.99	Pass
11a	6Mbps	100	5500	7.711	7.067	99.25%	10.444	≤ 11.00	Pass
11a	6Mbps	116	5580	7.789	7.186	99.25%	10.541	≤ 11.00	Pass
11a	6Mbps	140	5700	7.541	7.236	99.25%	10.434	≤ 11.00	Pass
11a	6Mbps	144	5720	6.900	6.626	99.25%	9.808	≤ 11.00	Pass
11ac-VHT20	MCS0	36	5180	10.055	10.254	99.82%	13.174	≤ 16.99	Pass
11ac-VHT20	MCS0	40	5200	11.131	11.157	99.82%	14.162	≤ 16.99	Pass
11ac-VHT20	MCS0	48	5240	11.034	11.511	99.82%	14.297	≤ 16.99	Pass
11ac-VHT20	MCS0	52	5260	7.532	7.312	99.82%	10.442	≤ 10.99	Pass
11ac-VHT20	MCS0	60	5300	7.719	7.229	99.82%	10.499	≤ 10.99	Pass
11ac-VHT20	MCS0	64	5320	7.605	7.506	99.82%	10.574	≤ 10.99	Pass
11ac-VHT20	MCS0	100	5500	7.845	7.408	99.82%	10.650	≤ 11.00	Pass
11ac-VHT20	MCS0	116	5580	7.925	7.467	99.82%	10.720	≤ 11.00	Pass
11ac-VHT20	MCS0	140	5700	7.659	7.414	99.82%	10.556	≤ 11.00	Pass
11ac-VHT20	MCS0	144	5720	6.999	6.494	99.82%	9.772	≤ 11.00	Pass
11ac-VHT40	MCS0	38	5190	6.410	6.516	99.26%	9.506	≤ 16.99	Pass
11ac-VHT40	MCS0	46	5230	8.178	7.852	99.26%	11.061	≤ 16.99	Pass
11ac-VHT40	MCS0	54	5270	5.608	6.086	99.26%	8.896	≤ 10.99	Pass
11ac-VHT40	MCS0	62	5310	4.971	4.948	99.26%	8.002	≤ 10.99	Pass
11ac-VHT40	MCS0	102	5510	5.990	5.600	99.26%	8.842	≤ 11.00	Pass
11ac-VHT40	MCS0	110	5550	5.729	5.767	99.26%	8.791	≤ 11.00	Pass
11ac-VHT40	MCS0	134	5670	5.493	5.241	99.26%	8.411	≤ 11.00	Pass
11ac-VHT40	MCS0	142	5710	5.799	6.031	99.26%	8.959	≤ 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	0.029	0.383	98.72%	3.276	≤ 16.99	Pass
11ac-VHT80	MCS0	58	5290	-1.203	-0.776	98.72%	2.082	≤ 10.99	Pass
11ac-VHT80	MCS0	106	5530	2.326	1.687	98.72%	5.084	≤ 11.00	Pass
11ac-VHT80	MCS0	122	5610	3.597	3.454	98.72%	6.592	≤ 11.00	Pass
11ac-VHT80	MCS0	138	5690	3.243	3.150	98.72%	6.263	≤ 11.00	Pass
11ac-VHT160	MCS0	50	5250	-2.332	-2.343	99.63%	0.689	≤ 10.99	Pass
11ac-VHT160	MCS0	114	5570	-2.584	-2.159	99.63%	0.660	≤ 11.00	Pass
11ax-HE20	MCS0	36	5180	8.868	9.280	99.82%	12.097	≤ 16.99	Pass
11ax-HE20	MCS0	40	5200	10.828	10.948	99.82%	13.907	≤ 16.99	Pass
11ax-HE20	MCS0	48	5240	11.509	11.711	99.82%	14.629	≤ 16.99	Pass
11ax-HE20	MCS0	52	5260	7.542	7.343	99.82%	10.462	≤ 10.99	Pass
11ax-HE20	MCS0	60	5300	7.827	7.146	99.82%	10.518	≤ 10.99	Pass
11ax-HE20	MCS0	64	5320	7.538	7.293	99.82%	10.435	≤ 10.99	Pass
11ax-HE20	MCS0	100	5500	7.696	7.855	99.82%	10.794	≤ 11.00	Pass
11ax-HE20	MCS0	116	5580	7.632	7.338	99.82%	10.506	≤ 11.00	Pass
11ax-HE20	MCS0	140	5700	6.409	6.606	99.82%	9.527	≤ 11.00	Pass
11ax-HE20	MCS0	144	5720	6.823	7.171	99.82%	10.019	≤ 11.00	Pass
11ax-HE40	MCS0	38	5190	2.676	2.581	98.90%	5.687	≤ 16.99	Pass
11ax-HE40	MCS0	46	5230	7.885	8.050	98.90%	11.027	≤ 16.99	Pass
11ax-HE40	MCS0	54	5270	5.610	6.082	98.90%	8.911	≤ 10.99	Pass
11ax-HE40	MCS0	62	5310	3.812	4.109	98.90%	7.021	≤ 10.99	Pass
11ax-HE40	MCS0	102	5510	5.274	5.304	98.90%	8.347	≤ 11.00	Pass
11ax-HE40	MCS0	110	5550	5.272	5.515	98.90%	8.454	≤ 11.00	Pass
11ax-HE40	MCS0	134	5670	5.934	5.868	98.90%	8.959	≤ 11.00	Pass
11ax-HE40	MCS0	142	5710	5.715	5.859	98.90%	8.846	≤ 11.00	Pass
11ax-HE80	MCS0	42	5210	-0.170	-0.285	99.63%	2.799	≤ 16.99	Pass
11ax-HE80	MCS0	58	5290	-0.507	-0.411	99.63%	2.568	≤ 10.99	Pass
11ax-HE80	MCS0	106	5530	1.327	0.905	99.63%	4.148	≤ 11.00	Pass
11ax-HE80	MCS0	122	5610	3.142	3.027	99.63%	6.111	≤ 11.00	Pass
11ax-HE80	MCS0	122	5690	3.457	3.336	99.63%	6.423	≤ 11.00	Pass
11ax-HE160	MCS0	50	5250	-2.441	-2.404	98.73%	0.643	≤ 10.99	Pass
11ax-HE160	MCS0	114	5570	-1.660	-1.533	98.73%	1.470	≤ 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	8.550	8.807	99.82%	11.699	≤ 16.99	Pass
11be-EHT20	MCS0	40	5200	11.066	11.088	99.82%	14.095	≤ 16.99	Pass
11be-EHT20	MCS0	48	5240	11.279	11.878	99.82%	14.607	≤ 16.99	Pass
11be-EHT20	MCS0	52	5260	7.484	7.296	99.82%	10.409	≤ 10.99	Pass
11be-EHT20	MCS0	60	5300	7.530	7.238	99.82%	10.405	≤ 10.99	Pass
11be-EHT20	MCS0	64	5320	7.736	7.293	99.82%	10.538	≤ 10.99	Pass
11be-EHT20	MCS0	100	5500	7.571	7.503	99.82%	10.555	≤ 11.00	Pass
11be-EHT20	MCS0	116	5580	7.933	7.482	99.82%	10.731	≤ 11.00	Pass
11be-EHT20	MCS0	140	5700	6.854	7.005	99.82%	9.948	≤ 11.00	Pass
11be-EHT20	MCS0	144	5720	6.857	7.173	99.82%	10.036	≤ 11.00	Pass
11be-EHT40	MCS0	38	5190	3.615	3.799	99.45%	6.742	≤ 16.99	Pass
11be-EHT40	MCS0	46	5230	8.425	7.987	99.45%	11.246	≤ 16.99	Pass
11be-EHT40	MCS0	54	5270	6.271	6.616	99.45%	9.481	≤ 10.99	Pass
11be-EHT40	MCS0	62	5310	4.403	4.246	99.45%	7.359	≤ 10.99	Pass
11be-EHT40	MCS0	102	5510	5.412	5.204	99.45%	8.343	≤ 11.00	Pass
11be-EHT40	MCS0	110	5550	5.743	5.522	99.45%	8.668	≤ 11.00	Pass
11be-EHT40	MCS0	134	5670	4.882	4.387	99.45%	7.676	≤ 11.00	Pass
11be-EHT40	MCS0	142	5710	5.675	5.819	99.45%	8.782	≤ 11.00	Pass
11be-EHT80	MCS0	42	5210	-0.466	0.138	98.91%	2.904	≤ 16.99	Pass
11be-EHT80	MCS0	58	5290	-0.565	-0.286	98.91%	2.635	≤ 10.99	Pass
11be-EHT80	MCS0	106	5530	0.714	0.422	98.91%	3.628	≤ 11.00	Pass
11be-EHT80	MCS0	122	5610	3.206	3.311	98.91%	6.317	≤ 11.00	Pass
11be-EHT80	MCS0	138	5690	3.119	3.453	98.91%	6.347	≤ 11.00	Pass
11be-EHT160	MCS0	50	5250	-2.509	-2.256	99.27%	0.661	≤ 10.99	Pass
11be-EHT160	MCS0	114	5570	-1.444	-1.193	99.27%	1.725	≤ 11.00	Pass
11be-EHT240	MCS0	130	5650	-3.205	-3.196	98.55%	-0.127	≤ 11.00	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) = $10*\log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + 10*\log(1/\text{Duty Cycle})$(dBm/MHz).

Note 2:

For 5150 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (6.01 - 6) = 16.99dBm/MHz.

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

For 5470 - 725MHz Band: PSD Limit (dBm/MHz) = 11 dBm/MHz.

Product	BE11000 Ceiling Mount Wi-Fi 7 Access Point	Test Engineer	Owen
Test Site	SR6	Test Date	2024/5/30~2024/6/13
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	9.771	9.457	99.25%	12.660	≤ 30.00	Pass
11a	6Mbps	157	5785	8.976	8.977	99.25%	12.019	≤ 30.00	Pass
11a	6Mbps	165	5825	8.569	8.774	99.25%	11.716	≤ 30.00	Pass
11ac-VHT20	MCS0	149	5745	9.971	9.424	99.82%	12.724	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	8.580	8.931	99.82%	11.777	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	8.586	8.766	99.82%	11.695	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	6.633	6.348	99.26%	9.535	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	5.118	5.792	99.26%	8.511	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	2.231	2.088	98.72%	5.226	≤ 30.00	Pass
11ax-HE20	MCS0	149	5745	9.046	8.874	99.82%	11.979	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	8.500	8.573	99.82%	11.555	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	7.908	8.226	99.82%	11.088	≤ 30.00	Pass
11ax-HE40	MCS0	151	5755	6.472	6.344	98.90%	9.467	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	5.030	5.645	98.90%	8.407	≤ 30.00	Pass
11ax-HE80	MCS0	155	5775	2.529	2.727	99.63%	5.656	≤ 30.00	Pass
11be-EHT20	MCS0	149	5745	9.416	8.990	99.82%	12.226	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	8.575	8.704	99.82%	11.658	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	8.207	8.422	99.82%	11.334	≤ 30.00	Pass
11be-EHT40	MCS0	151	5755	6.319	5.906	99.45%	9.152	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	5.118	5.783	99.45%	8.497	≤ 30.00	Pass
11be-EHT80	MCS0	155	5775	2.486	2.440	98.91%	5.521	≤ 30.00	Pass

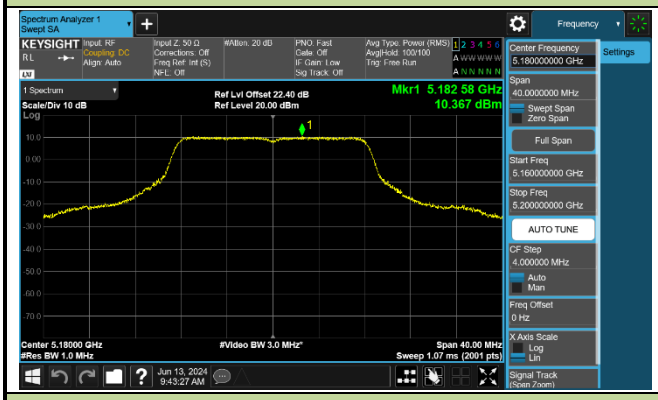
Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = 10*log $\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz).

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).

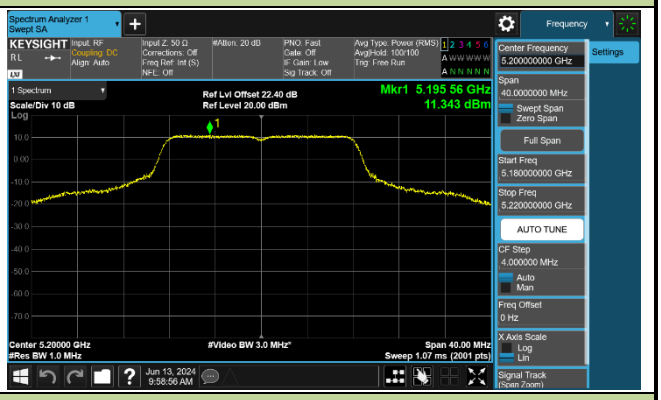
Note 2: PSD Limit (dBm/500kHz) = 30 (dBm/500kHz).

802.11a Power Spectral Density - Ant 0

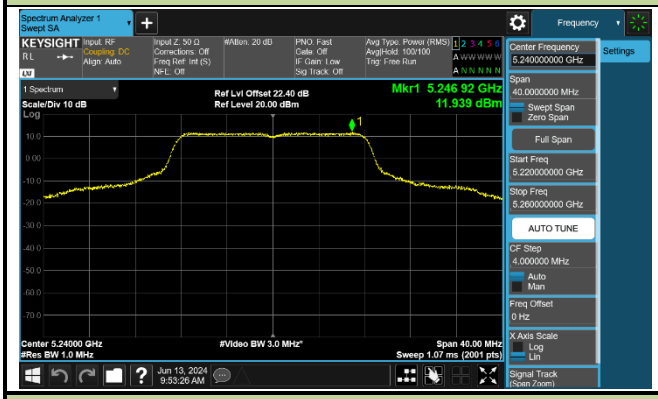
Channel 36 (5180MHz)



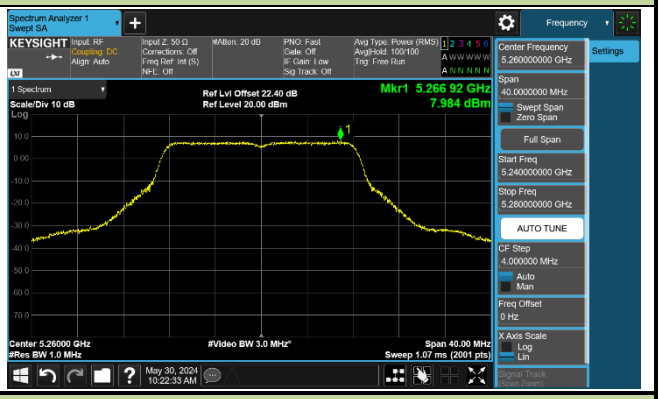
Channel 40 (5200MHz)



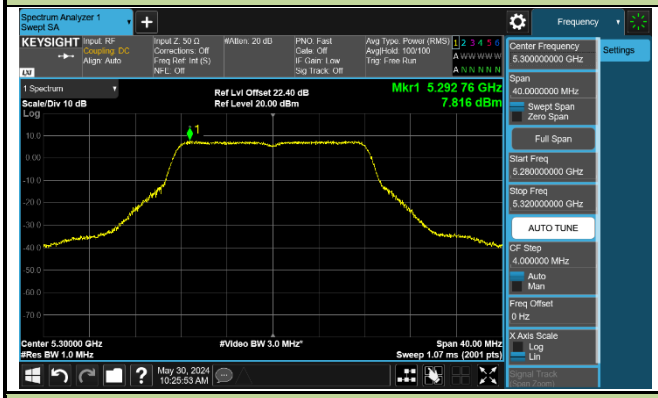
Channel 48 (5240MHz)



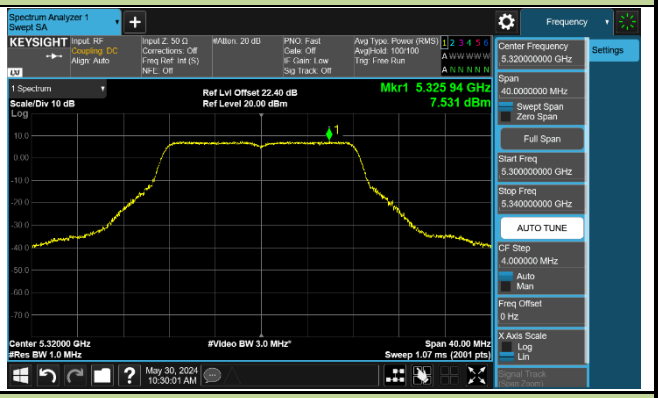
Channel 52 (5260MHz)



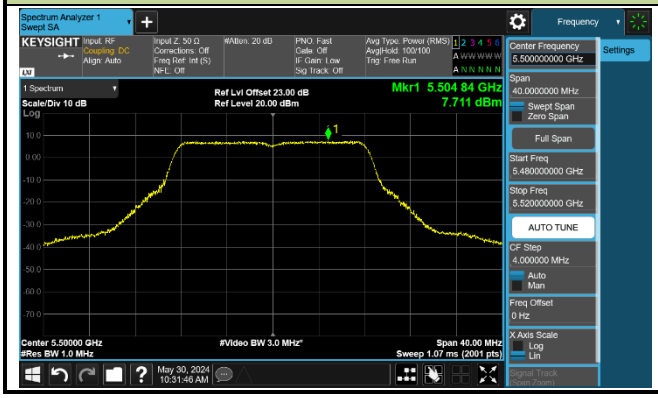
Channel 60 (5300MHz)



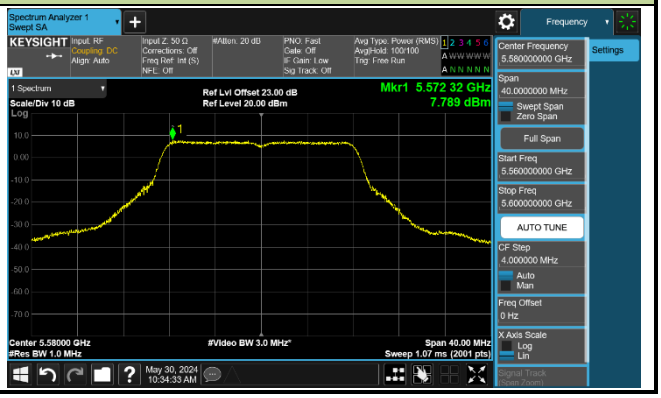
Channel 64 (5320MHz)

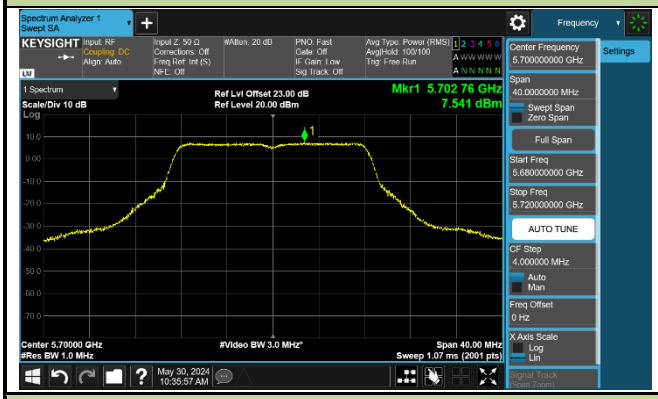
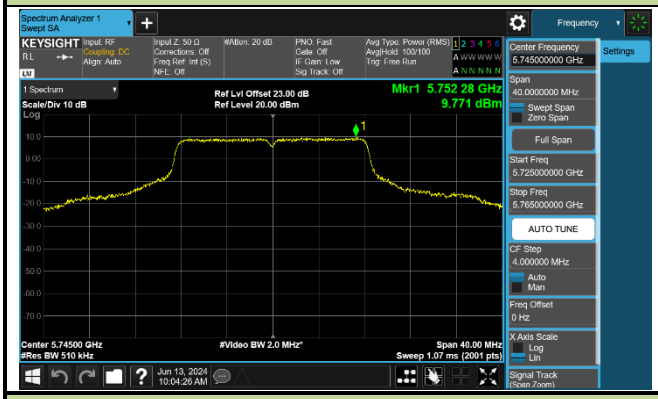
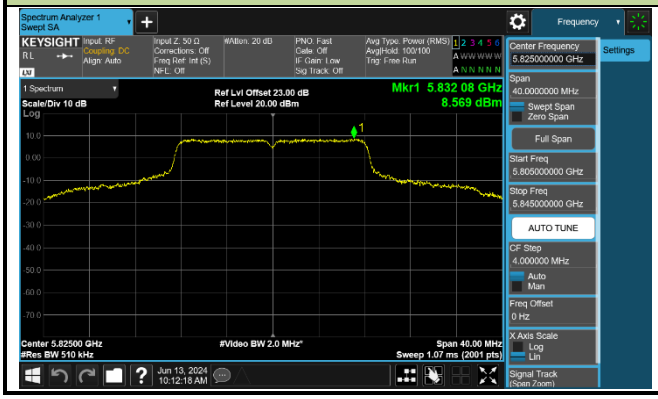


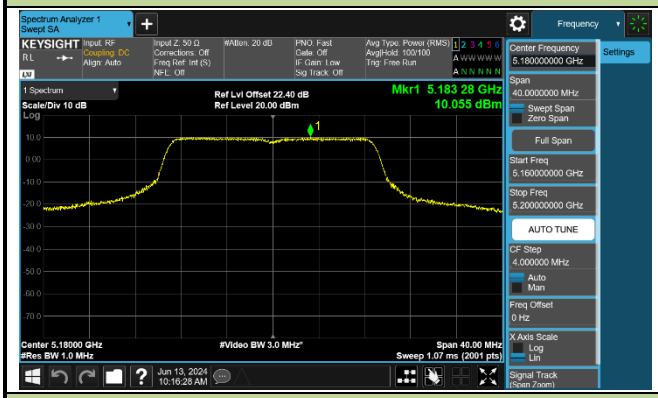
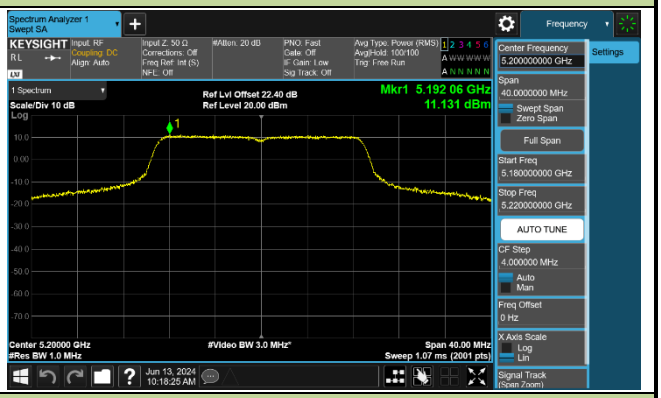
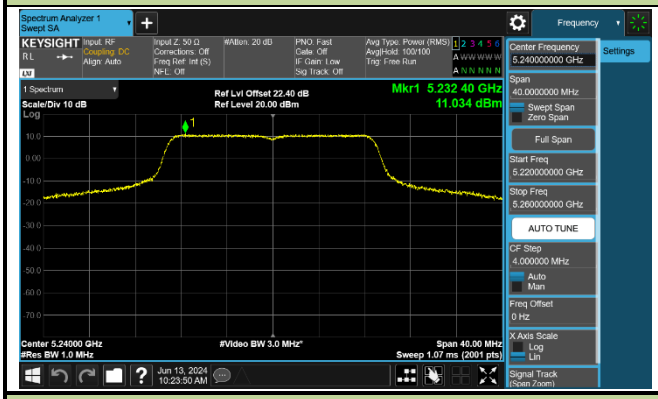
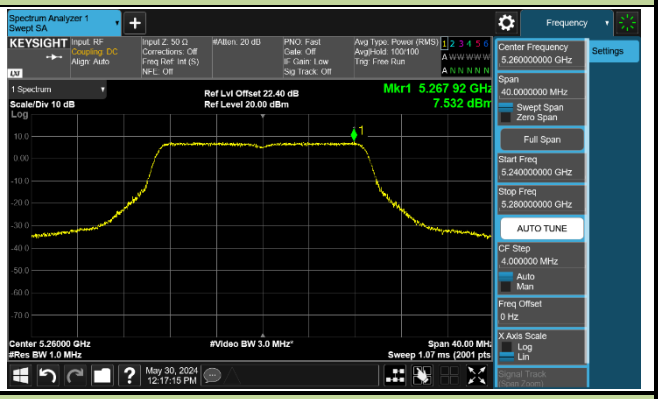
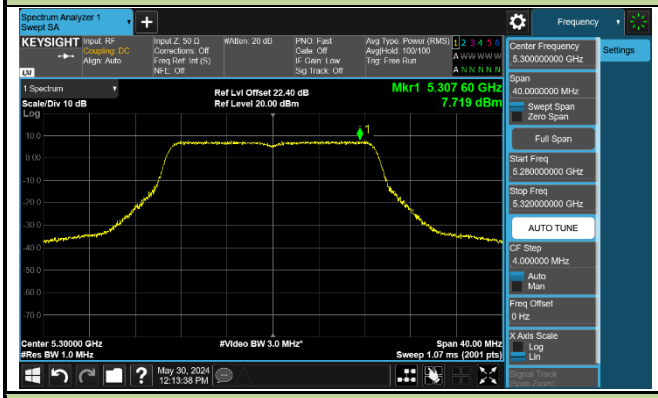
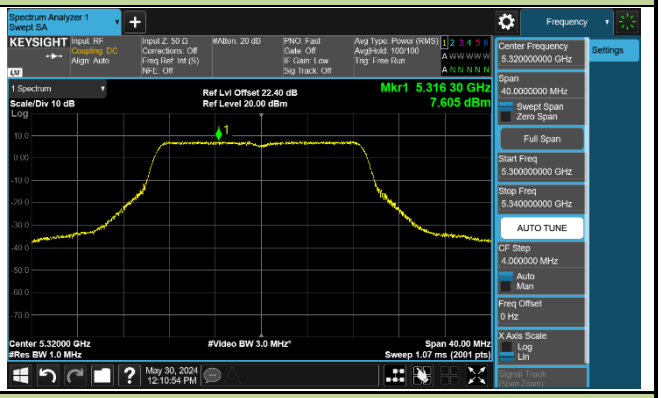
Channel 100 (5500MHz)



Channel 116 (5580MHz)



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 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)