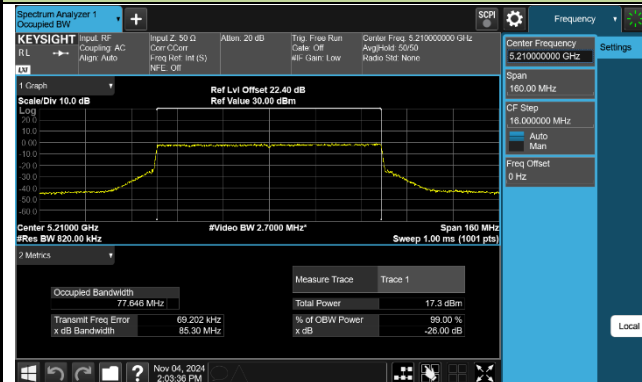
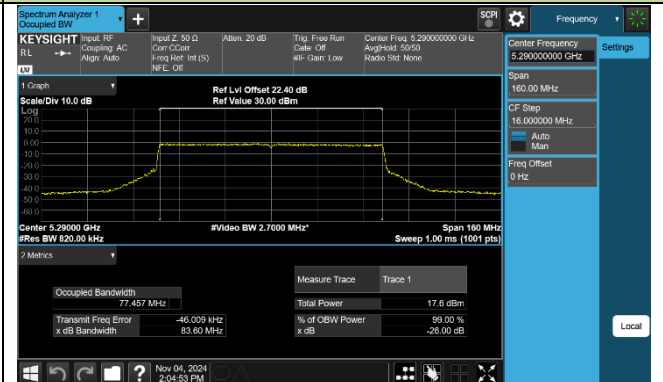


802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

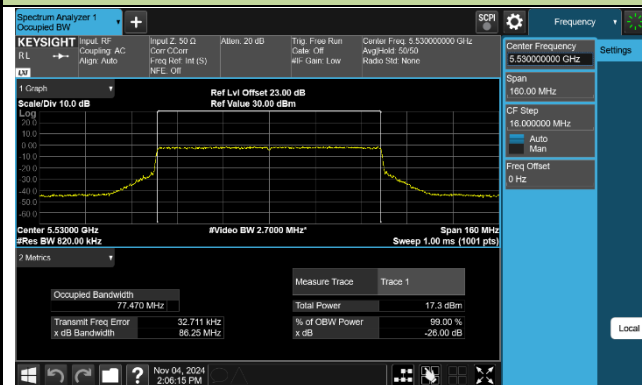
Channel 42 (5210MHz)



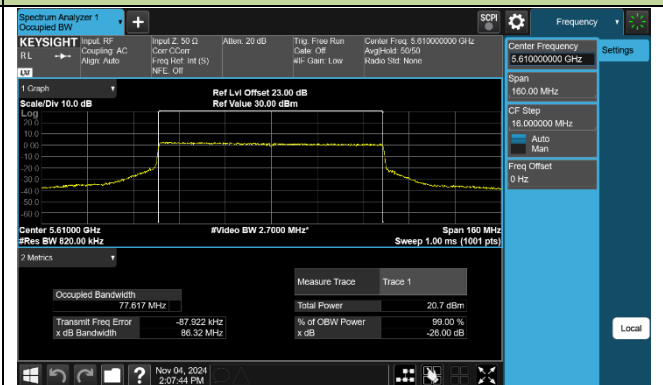
Channel 58 (5290MHz)



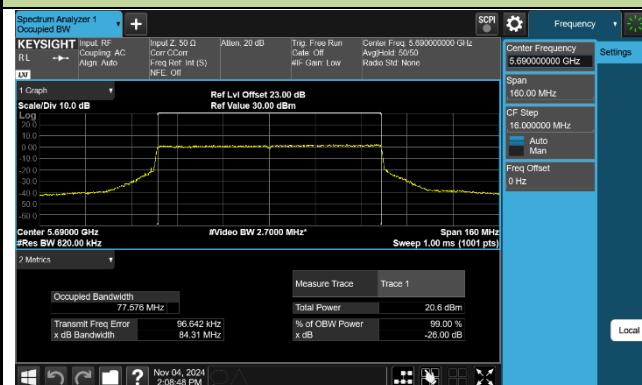
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)

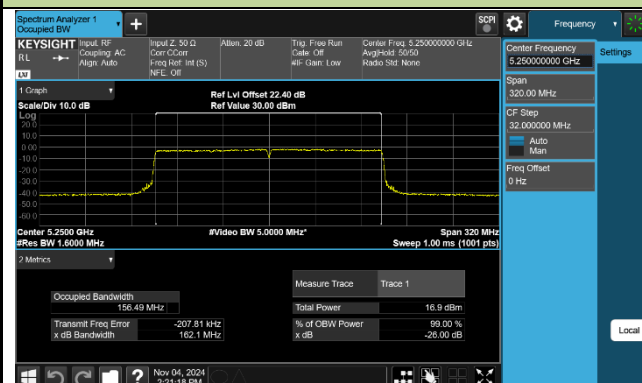


Channel 155 (5775MHz)

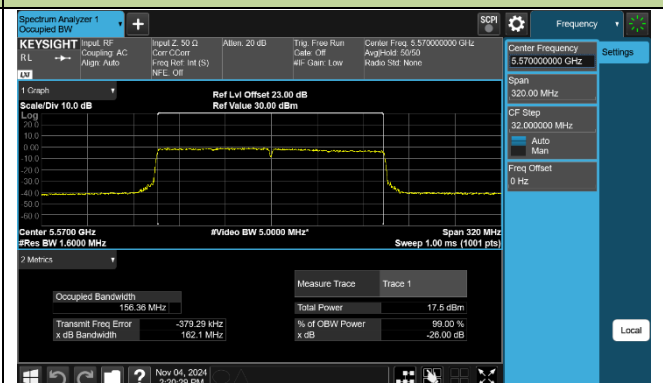


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

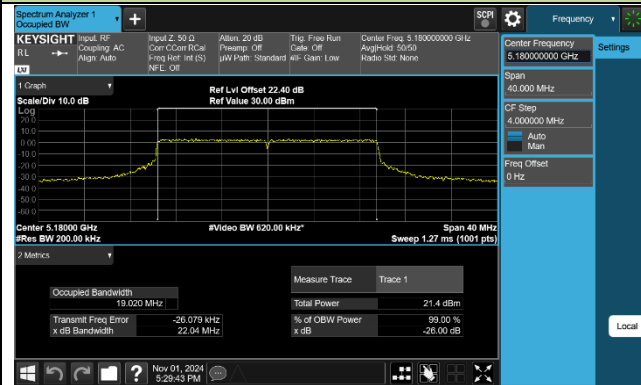


Channel 114 (5570MHz)

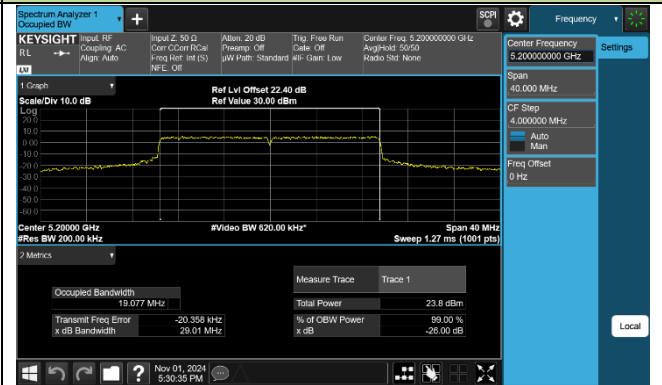


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

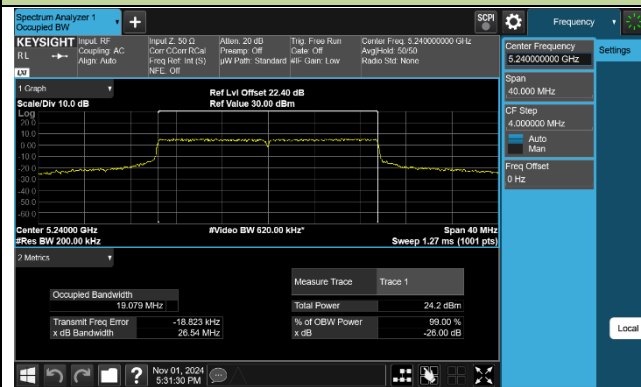
Channel 36 (5180MHz)



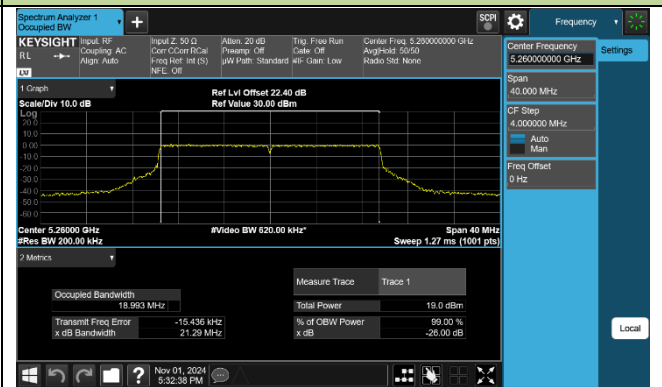
Channel 40 (5200MHz)



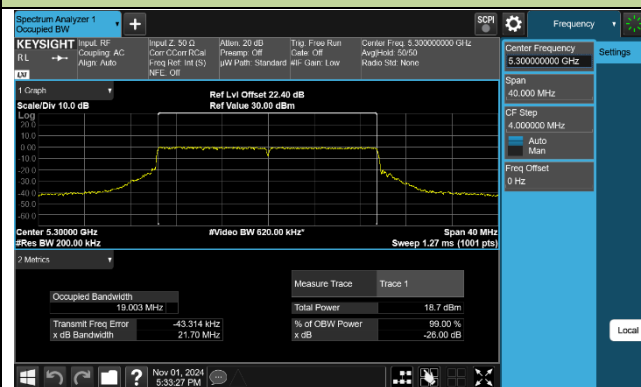
Channel 48 (5240MHz)



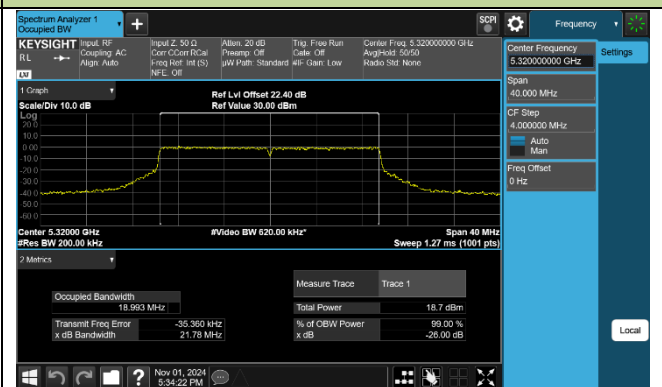
Channel 52 (5260MHz)



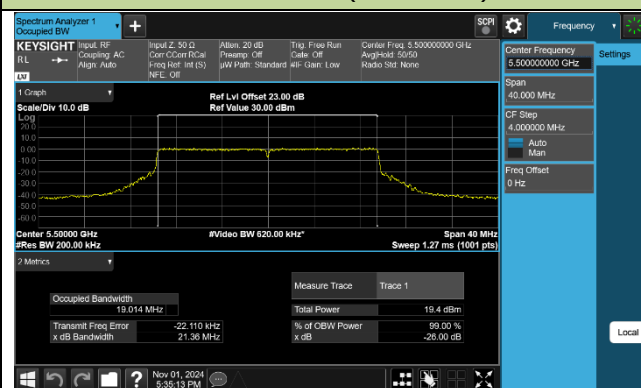
Channel 60 (5300MHz)



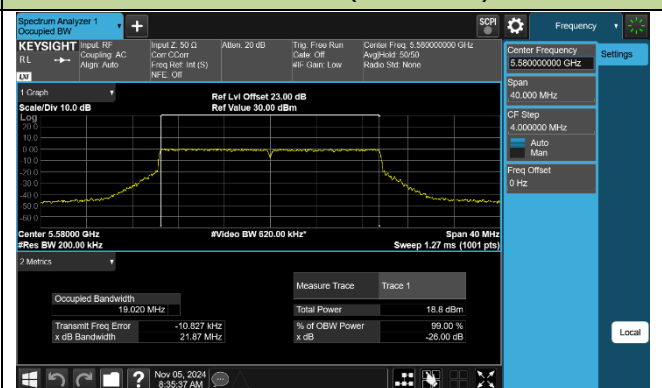
Channel 64 (5320MHz)

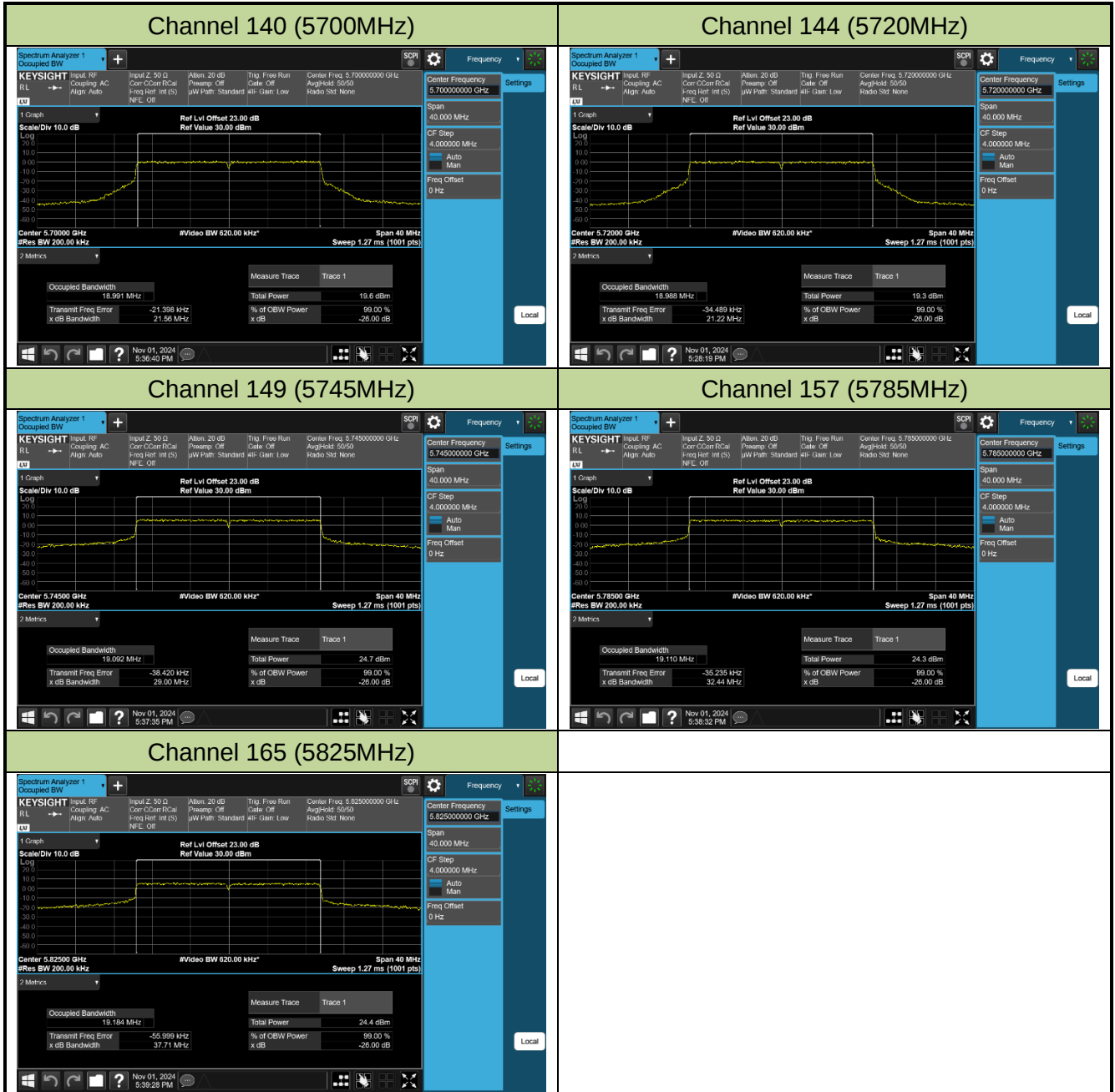


Channel 100 (5500MHz)



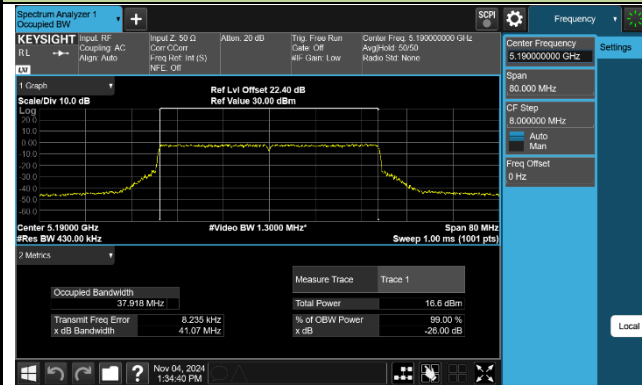
Channel 116 (5580MHz)



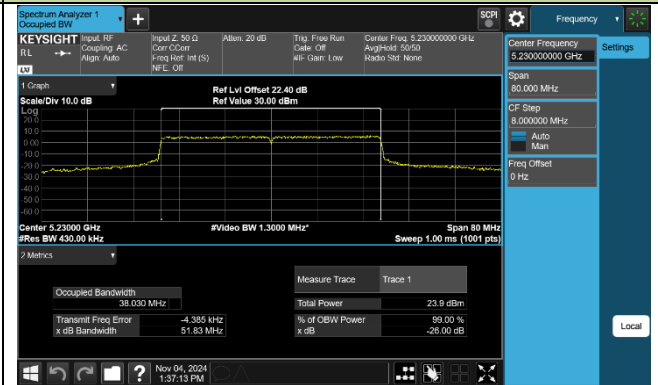


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

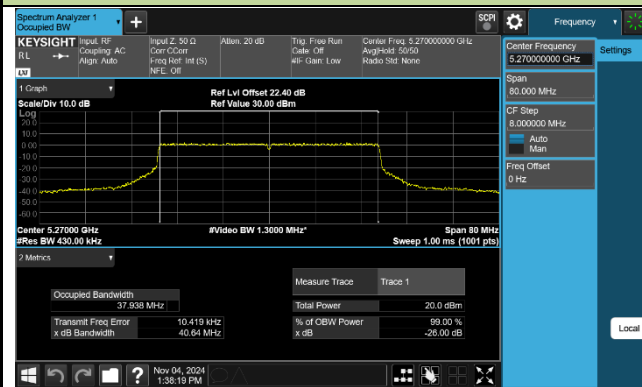
Channel 38 (5190MHz)



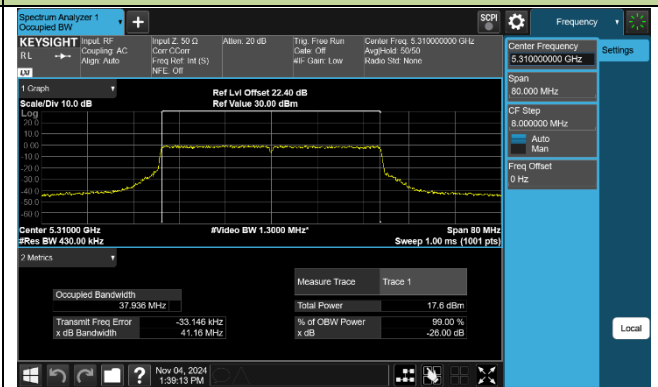
Channel 46 (5230MHz)



Channel 54 (5270MHz)



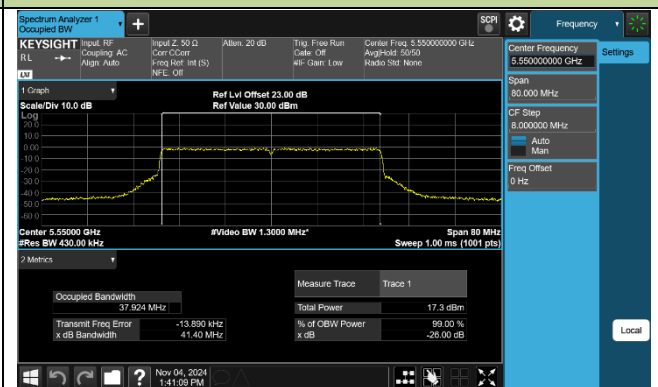
Channel 62 (5310MHz)



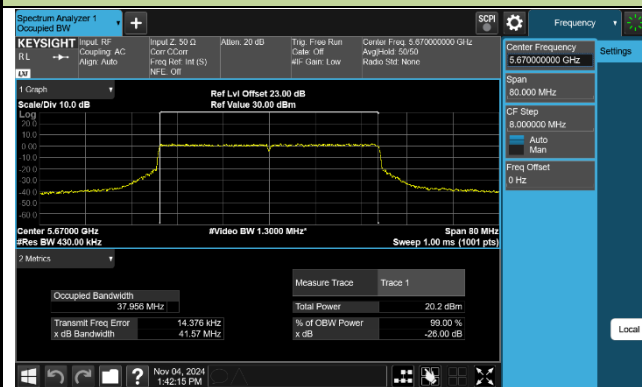
Channel 102 (5510MHz)



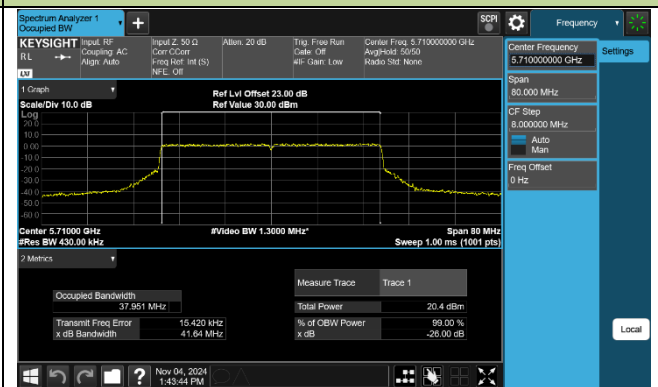
Channel 110 (5550MHz)

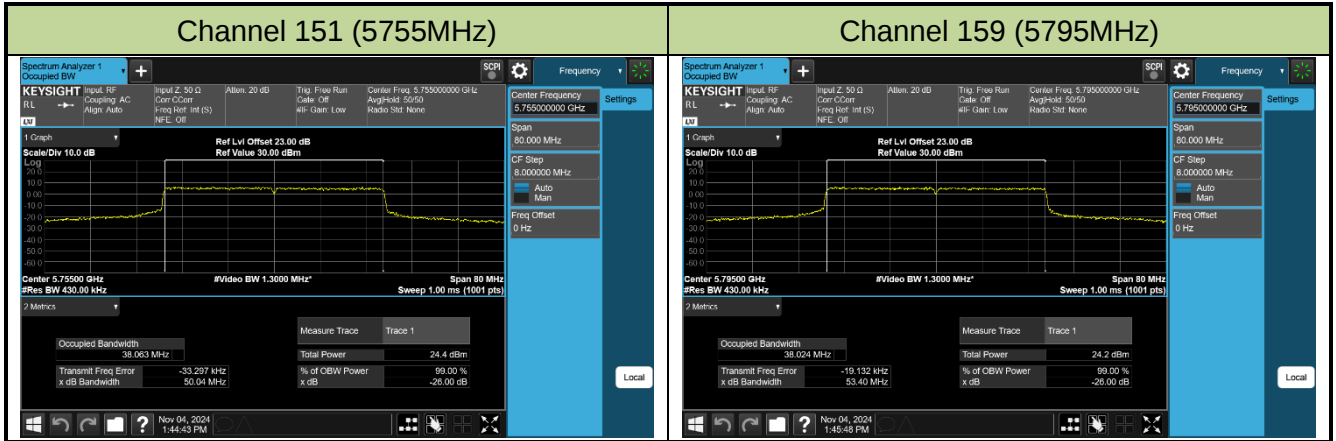


Channel 134 (5670MHz)



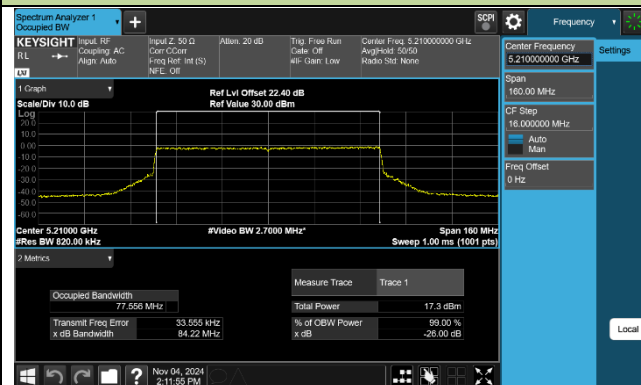
Channel 142 (5710MHz)



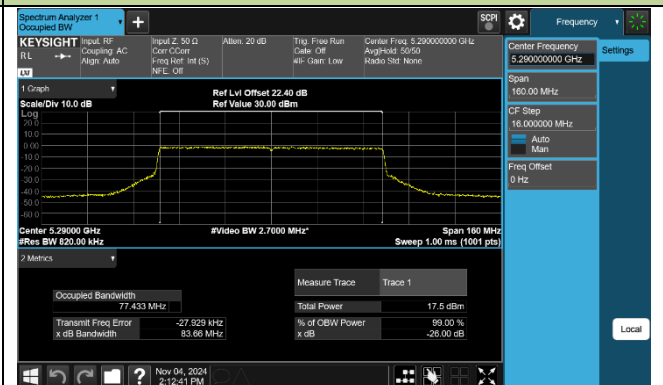


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

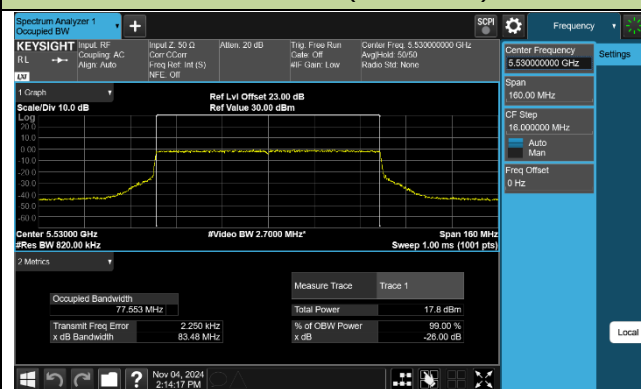
Channel 42 (5210MHz)



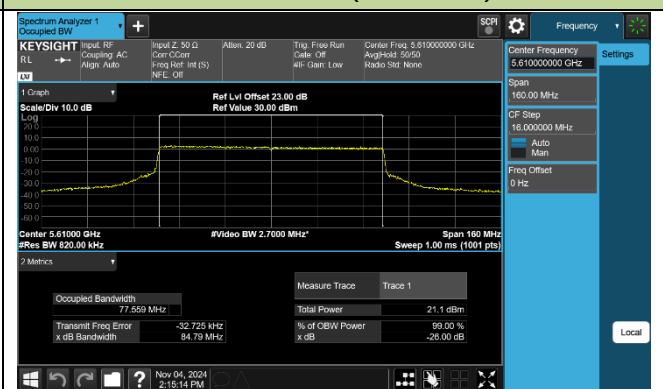
Channel 58 (5290MHz)



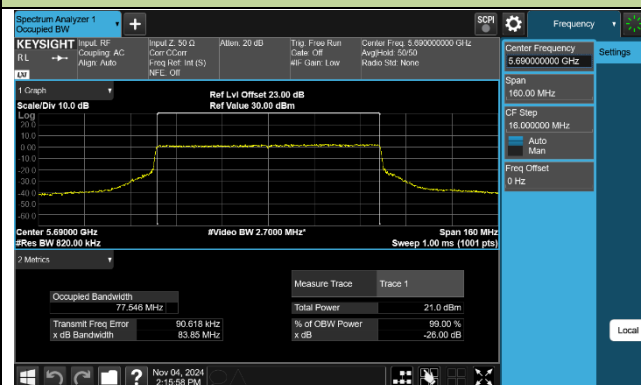
Channel 106 (5530MHz)



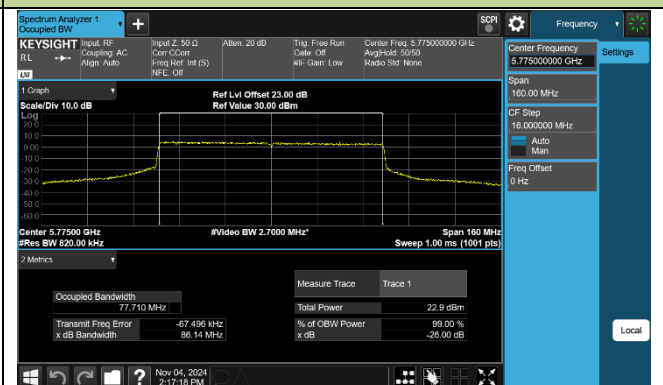
Channel 122 (5610MHz)



Channel 138 (5690MHz)

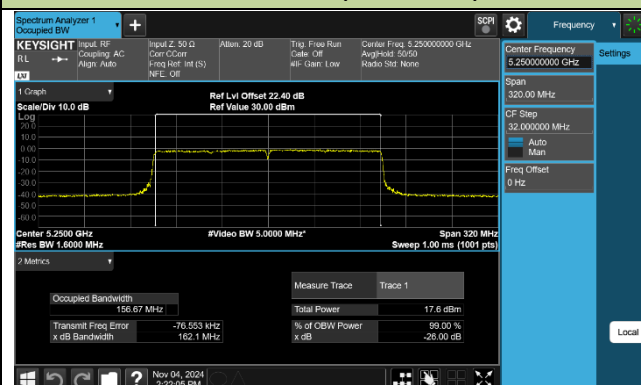


Channel 155 (5775MHz)

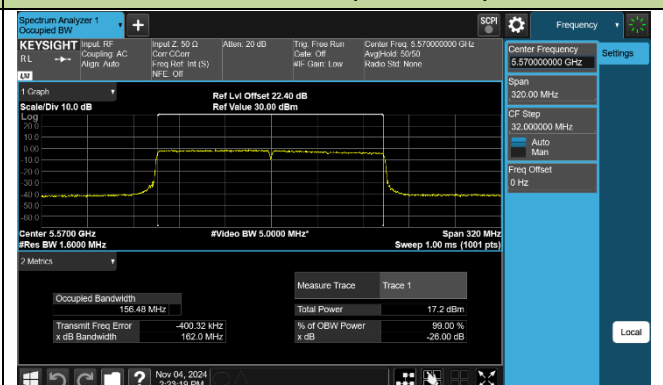


802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

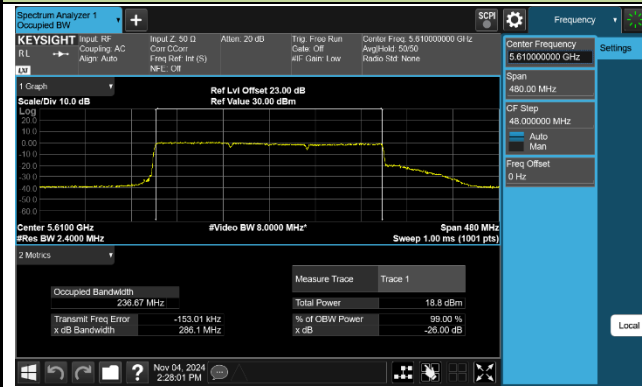


Channel 114 (5570MHz)



802.11be-EHT240 26dB Bandwidth & 99% Bandwidth

Channel 130 (5650MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

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

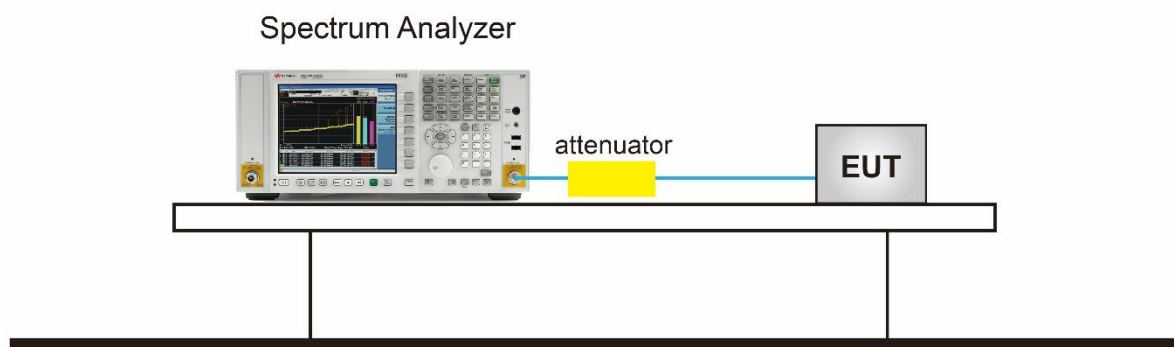
7.3.2. Test Procedure used

KDB 789033 D02v02r01- Section C.2

7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW $3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3.4. Test Setup



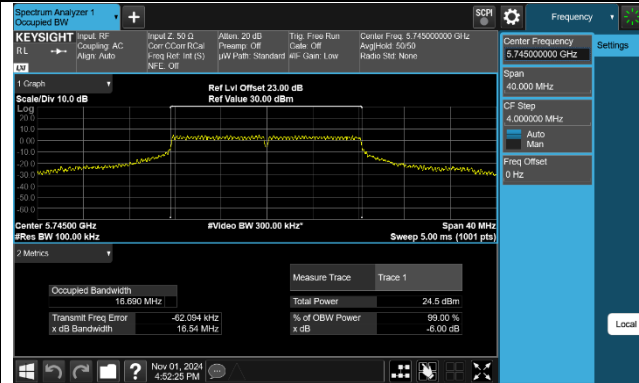
7.3.5.Test Result

Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Test Engineer	Wen
Test Site	SR6	Test Date	2024/11/1~2024/11/4

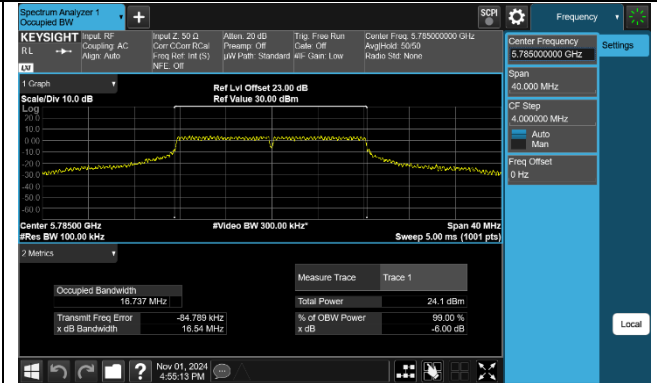
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1						
802.11a	6Mbps	149	5745	16.54	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.54	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.55	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.81	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.79	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.80	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.56	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.57	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.58	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	19.19	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	19.20	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	19.19	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	38.25	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.27	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	78.30	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	19.17	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	19.19	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	19.18	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	38.26	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	38.27	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	78.29	≥ 0.5	Pass

802.11a 6dB Bandwidth

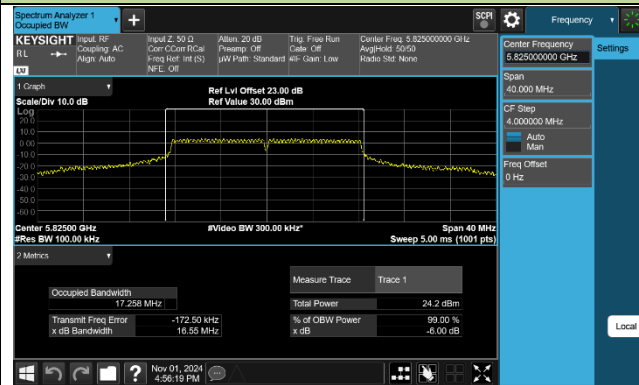
Channel 149 (5745MHz)



Channel 157 (5785MHz)

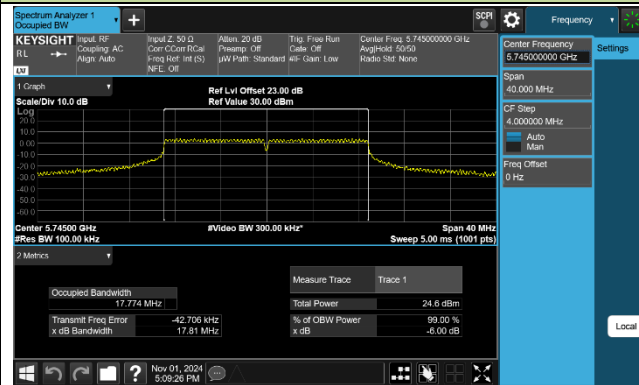


Channel 165 (5825MHz)

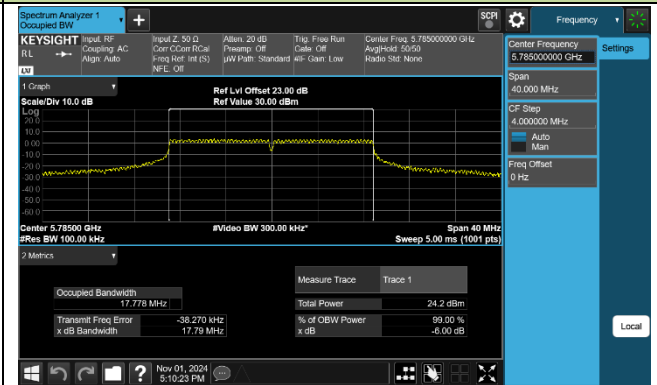


802.11ac-VHT20 6dB Bandwidth

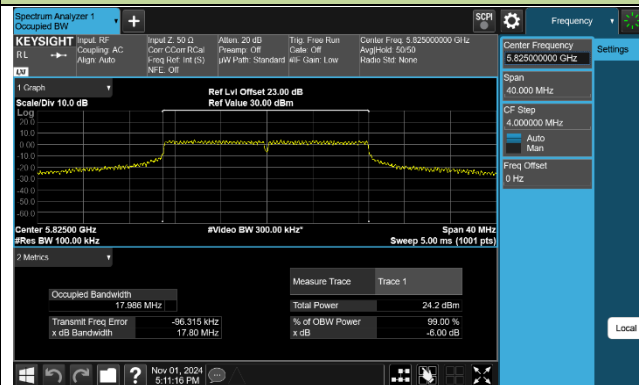
Channel 149 (5745MHz)



Channel 157 (5785MHz)

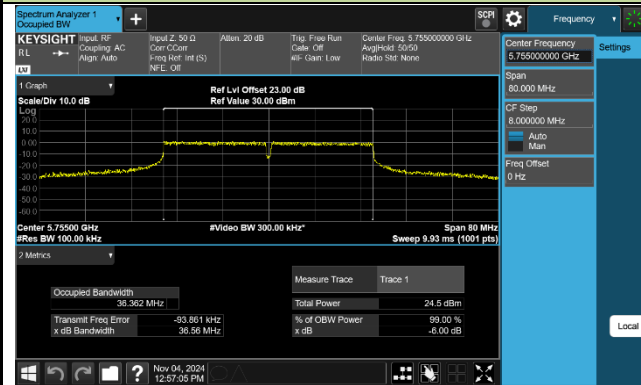


Channel 165 (5825MHz)

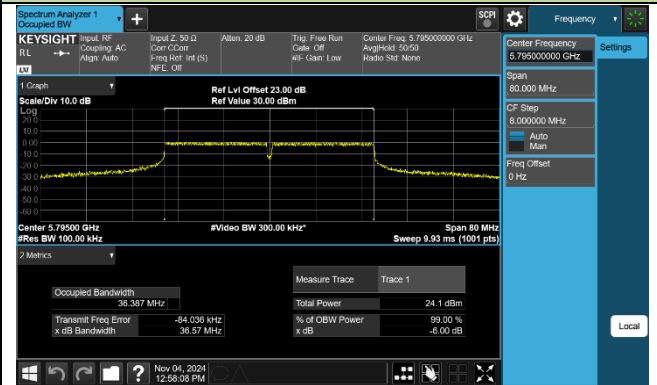


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

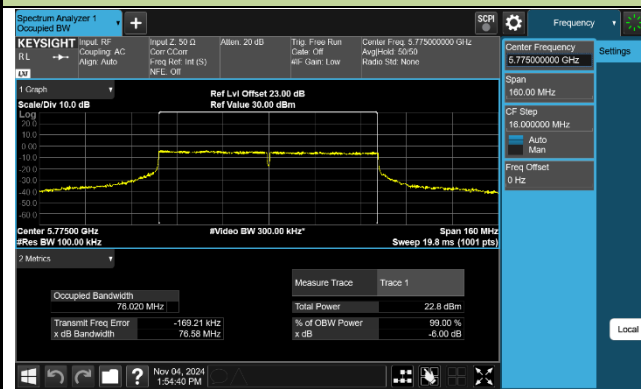


Channel 159 (5795MHz)



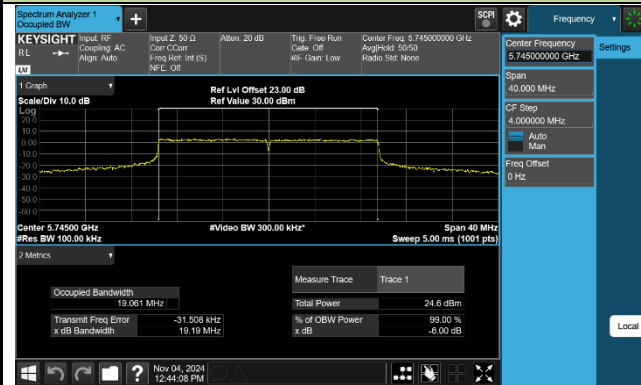
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

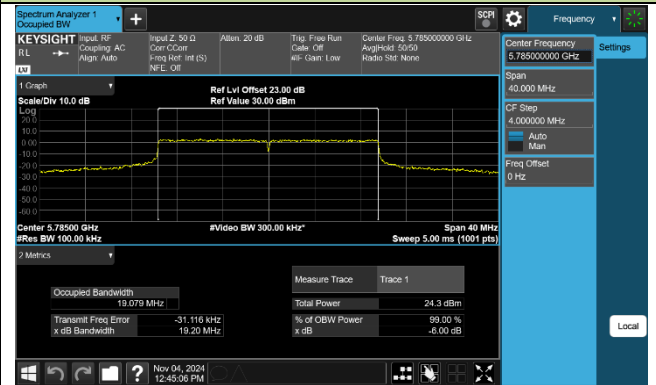


802.11ax-HE20 6dB Bandwidth

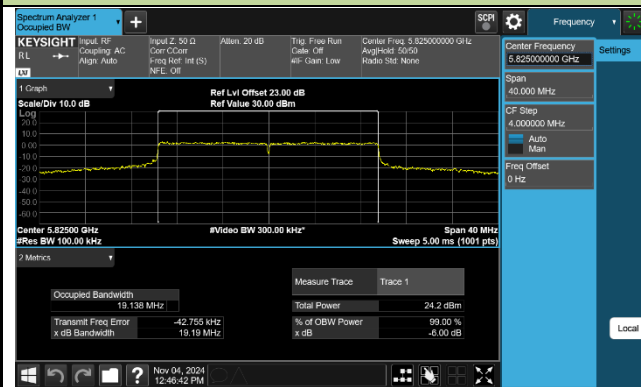
Channel 149 (5745MHz)



Channel 157 (5785MHz)

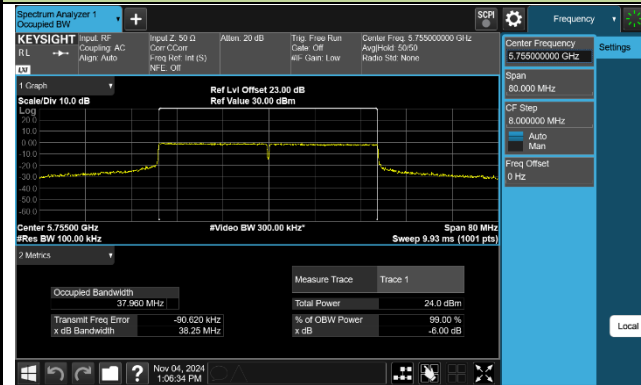


Channel 165 (5825MHz)

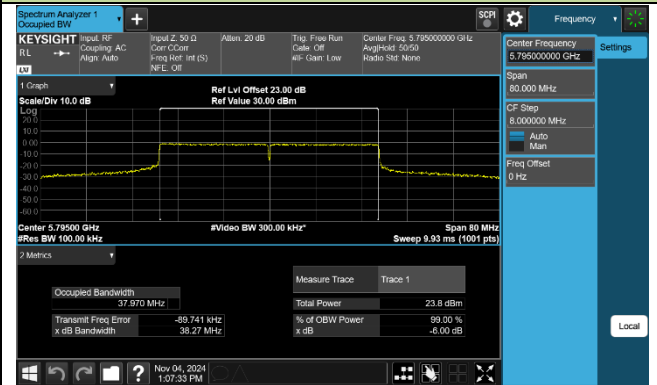


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

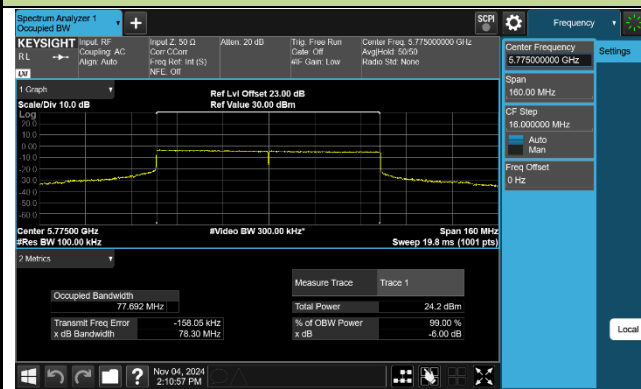


Channel 159 (5795MHz)



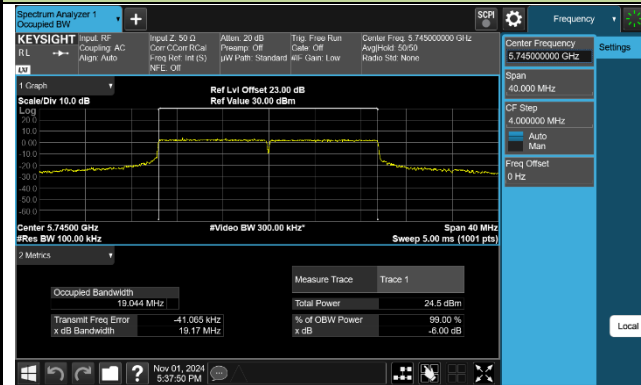
802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)

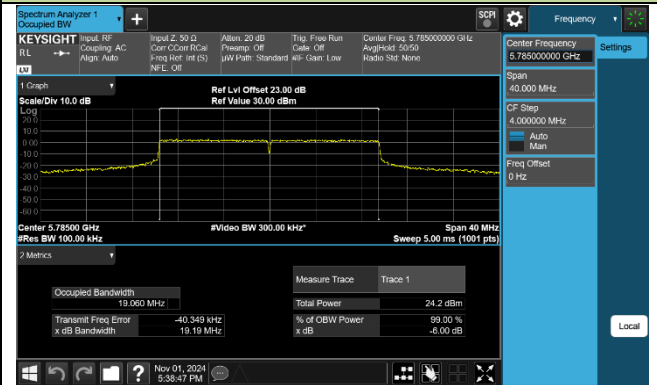


802.11be-EHT20 6dB Bandwidth

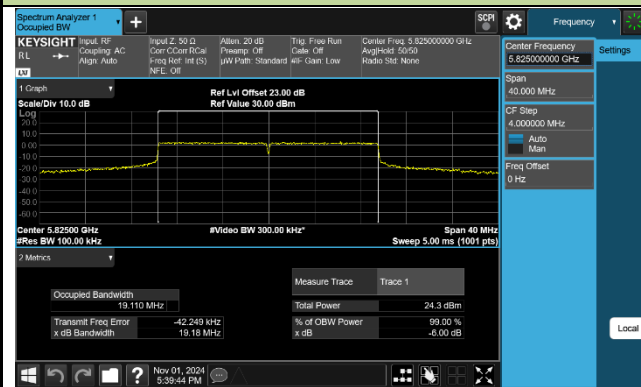
Channel 149 (5745MHz)



Channel 157 (5785MHz)

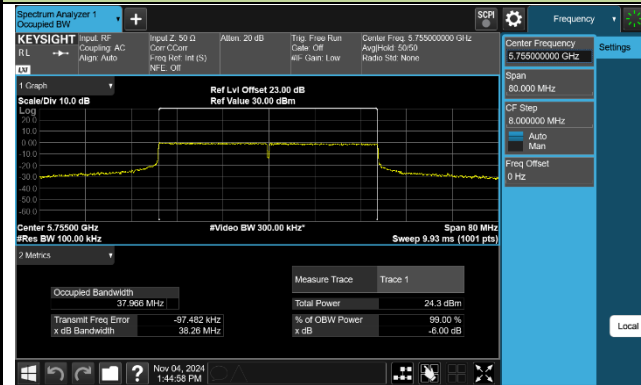


Channel 165 (5825MHz)

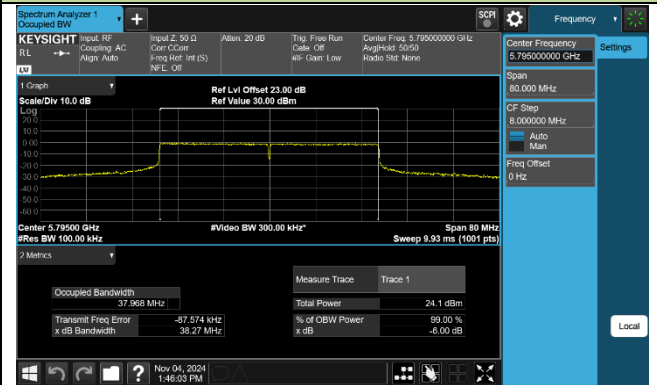


802.11be-EHT 40 6dB Bandwidth

Channel 151 (5755MHz)

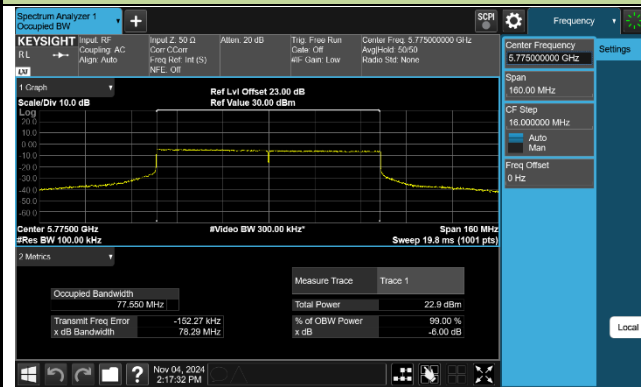


Channel 159 (5795MHz)



802.11be-EHT 80 6dB Bandwidth

Channel 155 (5775MHz)



7.4. Output Power Measurement

7.4.1. Test Limit

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

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

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

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

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

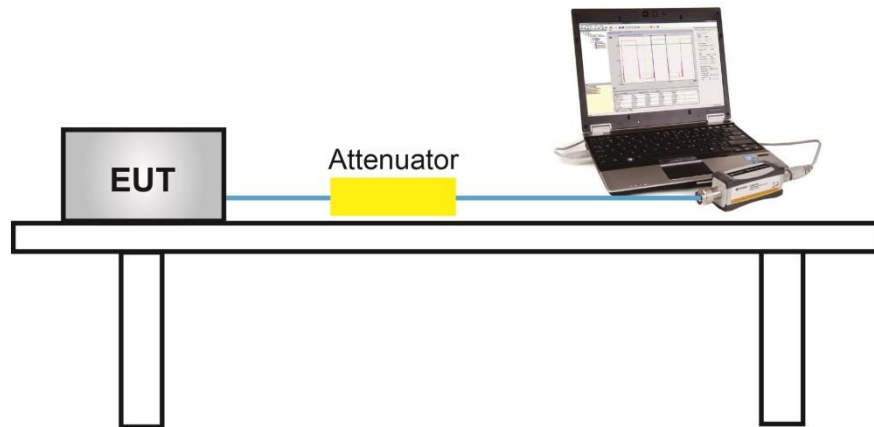
7.4.2. Test Procedure Used

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 Indoor/Outdoor Wi-Fi 7 Access Point	Test Engineer	Wen
Test Site	SR6	Test Date	2024/10/21~2024/11/4
Test Mode	CDD Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 0	Ant 1			
11a	6Mbps	36	5180	22.11	22.40	25.27	≤ 30.00	Pass
11a	6Mbps	40	5200	23.64	24.77	27.25	≤ 30.00	Pass
11a	6Mbps	48	5240	23.45	24.51	27.02	≤ 30.00	Pass
11a	6Mbps	52	5260	18.75	19.26	22.02	≤ 23.98	Pass
11a	6Mbps	60	5300	18.65	18.98	21.83	≤ 23.98	Pass
11a	6Mbps	64	5320	18.68	18.92	21.81	≤ 23.98	Pass
11a	6Mbps	100	5500	18.73	19.13	21.94	≤ 23.98	Pass
11a	6Mbps	116	5580	18.67	19.03	21.86	≤ 23.98	Pass
11a	6Mbps	140	5700	18.63	19.15	21.91	≤ 23.98	Pass
11a	6Mbps	144	5720	18.11	18.57	21.36	≤ 22.97	Pass
11a	6Mbps	149	5745	23.50	24.94	27.29	≤ 30.00	Pass
11a	6Mbps	157	5785	23.52	24.45	27.02	≤ 30.00	Pass
11a	6Mbps	165	5825	23.41	24.77	27.15	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	22.05	22.47	25.28	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5200	23.94	24.55	27.27	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	23.70	24.32	27.03	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	18.70	19.29	22.02	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	18.66	19.04	21.86	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	19.02	19.47	22.26	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	18.57	19.13	21.87	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	18.21	19.05	21.66	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	18.52	19.26	21.92	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	18.17	18.81	21.51	≤ 23.04	Pass
11ac-VHT20	MCS0	149	5745	24.21	24.60	27.42	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	24.12	24.66	27.41	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	24.03	24.95	27.52	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 0	Ant 1			
11ac-VHT40	MCS0	38	5190	17.11	17.62	20.38	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	23.84	24.71	27.31	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.56	21.13	23.86	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	17.35	18.14	20.77	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	17.40	17.77	20.60	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.26	20.99	23.65	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.00	21.02	23.55	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.11	20.93	23.55	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	24.49	24.66	27.59	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.25	24.60	27.44	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	17.08	17.33	20.22	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	17.18	17.39	20.30	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	16.97	17.26	20.13	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.06	21.11	23.63	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.36	21.32	23.88	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	22.81	22.82	25.83	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	17.52	17.75	20.65	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	17.20	17.27	20.25	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	21.77	22.04	24.92	≤ 30.00	Pass
11ax-HE20	MCS0	40	5200	23.79	24.63	27.24	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	23.78	24.55	27.19	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	18.58	19.37	22.00	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	19.00	19.60	22.32	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	19.00	19.54	22.29	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	18.91	19.96	22.48	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	18.48	19.89	22.25	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	17.92	17.98	20.96	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	18.72	19.23	21.99	≤ 23.04	Pass
11ax-HE20	MCS0	149	5745	24.35	24.67	27.52	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	24.10	24.50	27.31	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.70	24.57	27.17	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 0	Ant 1			
11ax-HE40	MCS0	38	5190	16.65	17.14	19.91	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	23.43	24.77	27.16	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.18	21.18	23.72	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	17.91	18.16	21.05	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	17.41	17.76	20.60	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.05	21.08	23.61	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	20.02	21.14	23.63	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.28	20.86	23.59	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	24.42	24.77	27.61	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	24.20	24.67	27.45	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	17.43	17.22	20.34	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	17.31	17.51	20.42	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	17.12	17.37	20.26	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.16	21.23	23.74	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.37	21.28	23.86	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	22.46	22.46	25.47	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	17.44	17.66	20.56	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	17.15	17.24	20.21	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	21.77	22.11	24.95	≤ 30.00	Pass
11be-EHT20	MCS0	40	5200	23.91	24.48	27.21	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	23.63	24.35	27.02	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	18.69	19.58	22.17	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	18.57	19.24	21.93	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	19.07	19.73	22.42	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	19.17	20.00	22.62	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	18.84	19.91	22.42	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	18.54	18.61	21.59	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	18.82	19.35	22.10	≤ 22.93	Pass
11be-EHT20	MCS0	149	5745	24.51	24.68	27.61	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	24.21	24.78	27.51	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	24.09	24.90	27.52	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 0	Ant 1			
11be-EHT40	MCS0	38	5190	16.48	17.52	20.04	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	23.62	24.67	27.19	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.18	21.06	23.65	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	17.85	18.00	20.94	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	17.34	17.64	20.50	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.25	20.95	23.62	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	20.11	20.94	23.56	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.13	20.90	23.54	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	24.00	24.49	27.26	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	24.07	24.65	27.38	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	17.27	17.45	20.37	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	17.38	17.54	20.47	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	17.21	17.36	20.30	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.24	21.09	23.70	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.53	21.09	23.83	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	22.53	22.48	25.52	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	17.40	17.62	20.52	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	17.09	17.23	20.17	≤ 23.98	Pass
11be-EHT240	MCS0	130	5650	17.16	17.70	20.45	≤ 23.98	Pass

Note 1:

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

Note 2:

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

For 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 dBm.

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

Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Test Engineer	Wen
Test Site	SR6	Test Date	2024/10/21~2024/11/4
Test Mode	Beamforming Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 0	Ant 1			
11ac-VHT20	MCS0	36	5180	21.20	21.49	24.36	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5200	20.84	21.06	23.96	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	21.06	21.20	24.14	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	18.70	19.29	22.02	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	18.66	19.04	21.86	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	19.02	19.47	22.26	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	18.57	19.13	21.87	≤ 23.97	Pass
11ac-VHT20	MCS0	116	5580	18.21	19.05	21.66	≤ 23.97	Pass
11ac-VHT20	MCS0	140	5700	18.52	19.26	21.92	≤ 23.97	Pass
11ac-VHT20	MCS0	144	5720	18.17	18.81	21.51	≤ 23.03	Pass
11ac-VHT20	MCS0	149	5745	24.21	24.60	27.42	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	24.12	24.66	27.41	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	24.03	24.95	27.52	≤ 30.00	Pass
11ac-VHT40	MCS0	38	5190	17.11	17.62	20.38	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	20.79	21.04	23.93	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.56	21.13	23.86	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	17.35	18.14	20.77	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	17.40	17.77	20.60	≤ 23.97	Pass
11ac-VHT40	MCS0	110	5550	20.26	20.99	23.65	≤ 23.97	Pass
11ac-VHT40	MCS0	134	5670	20.00	21.02	23.55	≤ 23.97	Pass
11ac-VHT40	MCS0	142	5710	20.11	20.93	23.55	≤ 23.97	Pass
11ac-VHT40	MCS0	151	5755	24.49	24.66	27.59	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.25	24.60	27.44	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 0	Ant 1			
11ac-VHT80	MCS0	42	5210	17.08	17.33	20.22	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	17.18	17.39	20.30	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	16.97	17.26	20.13	≤ 23.97	Pass
11ac-VHT80	MCS0	122	5610	20.06	21.11	23.63	≤ 23.97	Pass
11ac-VHT80	MCS0	138	5690	20.36	21.32	23.88	≤ 23.97	Pass
11ac-VHT80	MCS0	155	5775	22.81	22.82	25.83	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	17.52	17.75	20.65	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	17.20	17.27	20.25	≤ 23.97	Pass
11ax-HE20	MCS0	36	5180	20.82	21.07	23.96	≤ 30.00	Pass
11ax-HE20	MCS0	40	5200	20.93	21.14	24.05	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	21.25	21.30	24.29	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	18.58	19.37	22.00	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	19.00	19.60	22.32	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	19.00	19.54	22.29	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	18.91	19.96	22.48	≤ 23.97	Pass
11ax-HE20	MCS0	116	5580	18.48	19.89	22.25	≤ 23.97	Pass
11ax-HE20	MCS0	140	5700	17.92	17.98	20.96	≤ 23.97	Pass
11ax-HE20	MCS0	144	5720	18.72	19.23	21.99	≤ 23.02	Pass
11ax-HE20	MCS0	149	5745	24.35	24.67	27.52	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	24.10	24.50	27.31	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.70	24.57	27.17	≤ 30.00	Pass
11ax-HE40	MCS0	38	5190	16.65	17.14	19.91	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	20.81	21.01	23.92	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.18	21.18	23.72	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	17.91	18.16	21.05	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	17.41	17.76	20.60	≤ 23.97	Pass
11ax-HE40	MCS0	110	5550	20.05	21.08	23.61	≤ 23.97	Pass
11ax-HE40	MCS0	134	5670	20.02	21.14	23.63	≤ 23.97	Pass
11ax-HE40	MCS0	142	5710	20.28	20.86	23.59	≤ 23.97	Pass
11ax-HE40	MCS0	151	5755	24.42	24.77	27.61	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	24.20	24.67	27.45	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 0	Ant 1			
11ax-HE80	MCS0	42	5210	17.43	17.22	20.34	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	17.31	17.51	20.42	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	17.12	17.37	20.26	≤ 23.97	Pass
11ax-HE80	MCS0	122	5610	20.16	21.23	23.74	≤ 23.97	Pass
11ax-HE80	MCS0	138	5690	20.37	21.28	23.86	≤ 23.97	Pass
11ax-HE80	MCS0	155	5775	22.46	22.46	25.47	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	17.44	17.66	20.56	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	17.15	17.24	20.21	≤ 23.97	Pass
11be-EHT20	MCS0	36	5180	21.77	22.11	24.95	≤ 30.00	Pass
11be-EHT20	MCS0	40	5200	23.91	24.48	27.21	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	23.63	24.35	27.02	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	18.69	19.58	22.17	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	18.57	19.24	21.93	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	19.07	19.73	22.42	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	19.17	20.00	22.62	≤ 23.97	Pass
11be-EHT20	MCS0	116	5580	18.84	19.91	22.42	≤ 23.97	Pass
11be-EHT20	MCS0	140	5700	18.54	18.61	21.59	≤ 23.97	Pass
11be-EHT20	MCS0	144	5720	18.82	19.35	22.10	≤ 22.92	Pass
11be-EHT20	MCS0	149	5745	24.51	24.68	27.61	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	24.21	24.78	27.51	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	24.09	24.90	27.52	≤ 30.00	Pass
11be-EHT40	MCS0	38	5190	16.48	17.52	20.04	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	20.88	20.92	23.91	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.18	21.06	23.65	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	17.85	18.00	20.94	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	17.34	17.64	20.50	≤ 23.97	Pass
11be-EHT40	MCS0	110	5550	20.25	20.95	23.62	≤ 23.97	Pass
11be-EHT40	MCS0	134	5670	20.11	20.94	23.56	≤ 23.97	Pass
11be-EHT40	MCS0	142	5710	20.13	20.90	23.54	≤ 23.97	Pass
11be-EHT40	MCS0	151	5755	24.00	24.49	27.26	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	24.07	24.65	27.38	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 0	Ant 1			
11be-EHT80	MCS0	42	5210	17.27	17.45	20.37	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	17.38	17.54	20.47	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	17.21	17.36	20.30	≤ 23.97	Pass
11be-EHT80	MCS0	122	5610	20.24	21.09	23.70	≤ 23.97	Pass
11be-EHT80	MCS0	138	5690	20.53	21.09	23.83	≤ 23.97	Pass
11be-EHT80	MCS0	155	5775	22.53	22.48	25.52	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	17.40	17.62	20.52	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	17.09	17.23	20.17	≤ 23.97	Pass
11be-EHT240	MCS0	130	5650	17.16	17.70	20.45	≤ 23.97	Pass

Note 1:

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

Note 2:

For 5125 - 5250MHz Band: Average Power Limit (dBm) = 30dBm

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

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

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

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

Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Test Engineer	Wen
Test Site	SR6	Test Date	2024/10/21~2024/11/4
Test Mode	EIRP at any elevation angle above 30 degrees		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
				Ant 0	Ant 1				
EIRP at any elevation angle above 30 degrees (CDD mode)									
11a	6Mbps	36	5180	22.11	22.40	25.27	18.89	≤ 21.00	Pass
11a	6Mbps	44	5220	23.64	24.77	27.25	20.87	≤ 21.00	Pass
11a	6Mbps	48	5240	23.45	24.51	27.02	20.64	≤ 21.00	Pass
11ac-VHT20	MCS0	36	5180	22.05	22.47	25.28	18.90	≤ 21.00	Pass
11ac-VHT20	MCS0	44	5220	23.94	24.55	27.27	20.89	≤ 21.00	Pass
11ac-VHT20	MCS0	48	5240	23.70	24.32	27.03	20.65	≤ 21.00	Pass
11ac-VHT40	MCS0	38	5190	17.11	17.62	20.38	14.00	≤ 21.00	Pass
11ac-VHT40	MCS0	46	5230	23.84	24.71	27.31	20.93	≤ 21.00	Pass
11ac-VHT80	MCS0	42	5210	17.08	17.33	20.22	13.84	≤ 21.00	Pass
11ac-VHT160	MCS0	50	5250	17.52	17.75	20.65	14.27	≤ 21.00	Pass
11ax-HE20	MCS0	36	5180	21.77	22.04	24.92	18.54	≤ 21.00	Pass
11ax-HE20	MCS0	44	5220	23.79	24.63	27.24	20.86	≤ 21.00	Pass
11ax-HE20	MCS0	48	5240	23.78	24.55	27.19	20.81	≤ 21.00	Pass
11ax-HE40	MCS0	38	5190	16.65	17.14	19.91	13.53	≤ 21.00	Pass
11ax-HE40	MCS0	46	5230	23.43	24.77	27.16	20.78	≤ 21.00	Pass
11ax-HE80	MCS0	42	5210	17.43	17.22	20.34	13.96	≤ 21.00	Pass
11ax-HE160	MCS0	50	5250	17.44	17.66	20.56	14.18	≤ 21.00	Pass
11be-ETH20	MCS0	36	5180	21.77	22.11	24.95	18.57	≤ 21.00	Pass
11be-ETH20	MCS0	44	5220	23.91	24.48	27.21	20.83	≤ 21.00	Pass
11be-ETH20	MCS0	48	5240	23.63	24.35	27.02	20.64	≤ 21.00	Pass
11be-ETH40	MCS0	38	5190	16.48	17.52	20.04	13.66	≤ 21.00	Pass
11be-ETH40	MCS0	46	5230	23.62	24.67	27.19	20.81	≤ 21.00	Pass
11be-ETH80	MCS0	42	5210	17.27	17.45	20.37	13.99	≤ 21.00	Pass
11be-ETH160	MCS0	50	5250	17.40	17.62	20.52	14.14	≤ 21.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
				Ant 0	Ant 1				
EIRP at any elevation angle above 30 degrees (Beamforming mode)									
11ac-VHT20	MCS0	36	5180	21.20	21.49	24.36	20.99	≤ 21.00	Pass
11ac-VHT20	MCS0	44	5220	20.84	21.06	23.96	20.59	≤ 21.00	Pass
11ac-VHT20	MCS0	48	5240	21.06	21.20	24.14	20.77	≤ 21.00	Pass
11ac-VHT40	MCS0	38	5190	17.11	17.62	20.38	17.01	≤ 21.00	Pass
11ac-VHT40	MCS0	46	5230	20.79	21.04	23.93	20.56	≤ 21.00	Pass
11ac-VHT80	MCS0	42	5210	17.08	17.33	20.22	16.85	≤ 21.00	Pass
11ac-VHT160	MCS0	50	5250	17.52	17.75	20.65	17.28	≤ 21.00	Pass
11ax-HE20	MCS0	36	5180	20.82	21.07	23.96	20.59	≤ 21.00	Pass
11ax-HE20	MCS0	44	5220	20.93	21.14	24.05	20.68	≤ 21.00	Pass
11ax-HE20	MCS0	48	5240	21.25	21.30	24.29	20.92	≤ 21.00	Pass
11ax-HE40	MCS0	38	5190	16.65	17.14	19.91	16.54	≤ 21.00	Pass
11ax-HE40	MCS0	46	5230	20.81	21.01	23.92	20.55	≤ 21.00	Pass
11ax-HE80	MCS0	42	5210	17.43	17.22	20.34	16.97	≤ 21.00	Pass
11ax-HE160	MCS0	50	5250	17.44	17.66	20.56	17.19	≤ 21.00	Pass
11be-ETH20	MCS0	36	5180	20.78	21.19	24.00	20.63	≤ 21.00	Pass
11be-ETH20	MCS0	44	5220	20.88	21.39	24.15	20.78	≤ 21.00	Pass
11be-ETH20	MCS0	48	5240	20.49	21.46	24.01	20.64	≤ 21.00	Pass
11be-ETH40	MCS0	38	5190	16.48	17.52	20.04	16.67	≤ 21.00	Pass
11be-ETH40	MCS0	46	5230	20.88	20.92	23.91	20.54	≤ 21.00	Pass
11be-ETH80	MCS0	42	5210	17.27	17.45	20.37	17.00	≤ 21.00	Pass
11be-ETH160	MCS0	50	5250	17.40	17.62	20.52	17.15	≤ 21.00	Pass

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

Note 2: EIRP (dBm) = Total Average Power (dBm) + Directional Gain (dBi)

7.5. Transmit Power Control

7.5.1. Test Limit

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

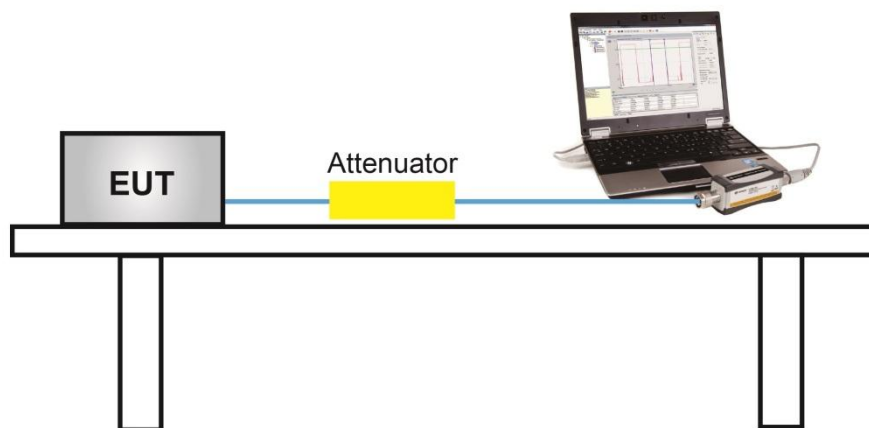
7.5.2. Test Procedure Used

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

7.5.3. Test Setting

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

7.5.4. Test Setup



7.5.5. Test Result

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

7.6. Power Spectral Density Measurement

7.6.1. Test Limit

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

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

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

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

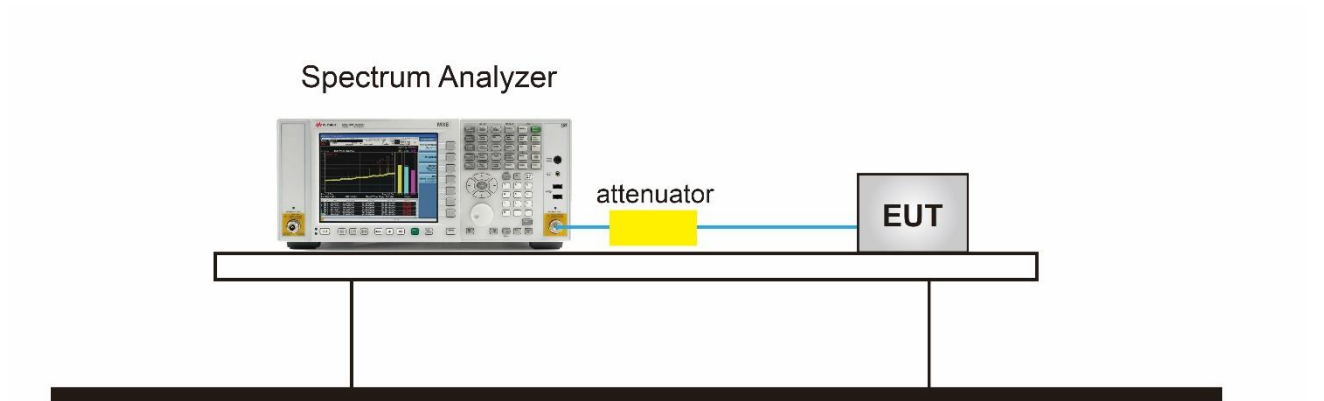
7.6.2. Test Procedure Used

KDB 789033 D02v02r01-Section F

7.6.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz,
RBW = 510 kHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add $10 \cdot \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \cdot \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

7.6.4. Test Setup



7.6.5. Test Result

Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Test Engineer	Wen
Test Site	SR6	Test Date	2024/10/21~2024/11/4
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	10.844	11.052	98.62%	14.020	≤ 17.00	Pass
11a	6Mbps	40	5200	12.440	13.395	98.62%	16.014	≤ 17.00	Pass
11a	6Mbps	48	5240	12.987	13.464	98.62%	16.303	≤ 17.00	Pass
11a	6Mbps	52	5260	7.584	8.019	98.62%	10.878	≤ 11.00	Pass
11a	6Mbps	60	5300	7.447	7.622	98.62%	10.606	≤ 11.00	Pass
11a	6Mbps	64	5320	7.391	7.701	98.62%	10.619	≤ 11.00	Pass
11a	6Mbps	100	5500	7.579	7.842	98.62%	10.783	≤ 10.99	Pass
11a	6Mbps	116	5580	7.363	8.293	98.62%	10.923	≤ 10.99	Pass
11a	6Mbps	140	5700	7.257	7.939	98.62%	10.682	≤ 10.99	Pass
11a	6Mbps	144	5720	7.283	7.823	98.62%	10.632	≤ 10.99	Pass
11ac-VHT20	MCS0	36	5180	10.260	10.667	98.99%	13.523	≤ 17.00	Pass
11ac-VHT20	MCS0	40	5200	11.696	12.766	98.99%	15.318	≤ 17.00	Pass
11ac-VHT20	MCS0	48	5240	11.918	12.513	98.99%	15.280	≤ 17.00	Pass
11ac-VHT20	MCS0	52	5260	7.104	7.813	98.99%	10.527	≤ 11.00	Pass
11ac-VHT20	MCS0	60	5300	6.903	7.817	98.99%	10.438	≤ 11.00	Pass
11ac-VHT20	MCS0	64	5320	7.379	7.834	98.99%	10.667	≤ 11.00	Pass
11ac-VHT20	MCS0	100	5500	6.578	7.909	98.99%	10.349	≤ 10.99	Pass
11ac-VHT20	MCS0	116	5580	6.823	7.857	98.99%	10.425	≤ 10.99	Pass
11ac-VHT20	MCS0	140	5700	6.567	8.022	98.99%	10.410	≤ 10.99	Pass
11ac-VHT20	MCS0	144	5720	7.007	7.502	98.99%	10.316	≤ 10.99	Pass
11ac-VHT40	MCS0	38	5190	2.386	2.982	99.27%	5.736	≤ 17.00	Pass
11ac-VHT40	MCS0	46	5230	9.319	10.505	99.27%	12.994	≤ 17.00	Pass
11ac-VHT40	MCS0	54	5270	6.013	6.846	99.27%	9.492	≤ 11.00	Pass
11ac-VHT40	MCS0	62	5310	3.161	3.497	99.27%	6.374	≤ 11.00	Pass
11ac-VHT40	MCS0	102	5510	2.686	2.985	99.27%	5.880	≤ 10.99	Pass
11ac-VHT40	MCS0	110	5550	5.663	6.545	99.27%	9.168	≤ 10.99	Pass
11ac-VHT40	MCS0	134	5670	5.365	6.546	99.27%	9.038	≤ 10.99	Pass
11ac-VHT40	MCS0	142	5710	5.715	6.640	99.27%	9.244	≤ 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	-0.854	-0.176	98.99%	2.553	≤ 17.00	Pass
11ac-VHT80	MCS0	58	5290	-0.277	-0.284	98.99%	2.774	≤ 11.00	Pass
11ac-VHT80	MCS0	106	5530	-0.987	-0.455	98.99%	2.342	≤ 10.99	Pass
11ac-VHT80	MCS0	122	5610	2.657	4.160	98.99%	6.528	≤ 10.99	Pass
11ac-VHT80	MCS0	138	5690	2.593	3.847	98.99%	6.319	≤ 10.99	Pass
11ac-VHT160	MCS0	50	5250	-2.924	-2.646	99.27%	0.259	≤ 11.00	Pass
11ac-VHT160	MCS0	114	5570	-2.843	-2.927	99.27%	0.157	≤ 10.99	Pass
11ax-HE20	MCS0	36	5180	9.474	10.272	99.63%	9.474	≤ 17.00	Pass
11ax-HE20	MCS0	40	5200	11.549	12.758	99.63%	11.549	≤ 17.00	Pass
11ax-HE20	MCS0	48	5240	12.180	12.726	99.63%	12.180	≤ 17.00	Pass
11ax-HE20	MCS0	52	5260	6.889	7.823	99.63%	6.889	≤ 11.00	Pass
11ax-HE20	MCS0	60	5300	7.024	7.893	99.63%	7.024	≤ 11.00	Pass
11ax-HE20	MCS0	64	5320	7.036	7.763	99.63%	7.036	≤ 11.00	Pass
11ax-HE20	MCS0	100	5500	7.494	8.184	99.63%	7.494	≤ 10.99	Pass
11ax-HE20	MCS0	116	5580	7.057	8.040	99.63%	7.057	≤ 10.99	Pass
11ax-HE20	MCS0	140	5700	6.121	6.462	99.63%	6.121	≤ 10.99	Pass
11ax-HE20	MCS0	144	5720	7.319	8.102	99.63%	7.319	≤ 10.99	Pass
11ax-HE40	MCS0	38	5190	1.280	2.286	98.90%	4.870	≤ 17.00	Pass
11ax-HE40	MCS0	46	5230	9.025	10.024	98.90%	12.611	≤ 17.00	Pass
11ax-HE40	MCS0	54	5270	5.413	6.237	98.90%	8.903	≤ 11.00	Pass
11ax-HE40	MCS0	62	5310	3.266	3.477	98.90%	6.431	≤ 11.00	Pass
11ax-HE40	MCS0	102	5510	2.293	2.836	98.90%	5.631	≤ 10.99	Pass
11ax-HE40	MCS0	110	5550	5.397	6.345	98.90%	8.955	≤ 10.99	Pass
11ax-HE40	MCS0	134	5670	5.137	6.506	98.90%	8.934	≤ 10.99	Pass
11ax-HE40	MCS0	142	5710	5.515	6.405	98.90%	9.041	≤ 10.99	Pass
11ax-HE80	MCS0	42	5210	-0.515	-0.288	98.63%	2.670	≤ 17.00	Pass
11ax-HE80	MCS0	58	5290	-0.704	-0.218	98.63%	2.616	≤ 11.00	Pass
11ax-HE80	MCS0	106	5530	-0.949	-0.532	98.63%	2.335	≤ 10.99	Pass
11ax-HE80	MCS0	122	5610	2.447	4.020	98.63%	6.375	≤ 10.99	Pass
11ax-HE80	MCS0	122	5690	2.575	3.934	98.63%	6.378	≤ 10.99	Pass
11ax-HE160	MCS0	50	5250	-2.974	-2.741	98.81%	0.206	≤ 11.00	Pass
11ax-HE160	MCS0	114	5570	-2.761	-3.228	98.81%	0.074	≤ 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	9.987	10.039	99.27%	13.055	≤ 17.00	Pass
11be-EHT20	MCS0	40	5200	11.811	12.672	99.27%	15.305	≤ 17.00	Pass
11be-EHT20	MCS0	48	5240	11.674	12.751	99.27%	15.288	≤ 17.00	Pass
11be-EHT20	MCS0	52	5260	7.053	7.947	99.27%	10.565	≤ 11.00	Pass
11be-EHT20	MCS0	60	5300	6.747	8.071	99.27%	10.501	≤ 11.00	Pass
11be-EHT20	MCS0	64	5320	7.155	8.151	99.27%	10.724	≤ 11.00	Pass
11be-EHT20	MCS0	100	5500	7.303	8.505	99.27%	10.988	≤ 10.99	Pass
11be-EHT20	MCS0	116	5580	7.134	8.470	99.27%	10.895	≤ 10.99	Pass
11be-EHT20	MCS0	140	5700	6.352	7.053	99.27%	9.759	≤ 10.99	Pass
11be-EHT20	MCS0	144	5720	7.369	8.107	99.27%	10.796	≤ 10.99	Pass
11be-EHT40	MCS0	38	5190	2.162	2.693	98.00%	5.534	≤ 17.00	Pass
11be-EHT40	MCS0	46	5230	8.863	10.084	98.00%	12.614	≤ 17.00	Pass
11be-EHT40	MCS0	54	5270	5.280	6.067	98.00%	8.789	≤ 11.00	Pass
11be-EHT40	MCS0	62	5310	3.039	3.177	98.00%	6.207	≤ 11.00	Pass
11be-EHT40	MCS0	102	5510	2.232	2.798	98.00%	5.622	≤ 11.00	Pass
11be-EHT40	MCS0	110	5550	4.965	6.319	98.00%	8.793	≤ 10.99	Pass
11be-EHT40	MCS0	134	5670	4.720	6.517	98.00%	8.809	≤ 10.99	Pass
11be-EHT40	MCS0	142	5710	5.436	6.225	98.00%	8.946	≤ 10.99	Pass
11be-EHT80	MCS0	42	5210	-0.535	-0.006	98.54%	2.812	≤ 17.00	Pass
11be-EHT80	MCS0	58	5290	-0.408	-0.068	98.54%	2.840	≤ 11.00	Pass
11be-EHT80	MCS0	106	5530	-1.014	-0.227	98.54%	2.471	≤ 11.00	Pass
11be-EHT80	MCS0	122	5610	-0.088	1.490	98.54%	3.846	≤ 10.99	Pass
11be-EHT80	MCS0	138	5690	0.051	0.977	98.54%	3.613	≤ 10.99	Pass
11be-EHT160	MCS0	50	5250	-2.891	-2.612	99.45%	0.285	≤ 11.00	Pass
11be-EHT160	MCS0	114	5570	-3.146	-3.134	99.45%	-0.106	≤ 10.99	Pass
11be-EHT240	MCS0	130	5650	-4.098	-3.300	99.36%	-0.643	≤ 10.99	Pass

Note 1: When EUT duty cycle ≥ 98%,

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

When EUT duty cycle < 98%,

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

Note 2:

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

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

For 5470 - 5725MHz Band: PSD Limit (dBm/MHz) = 11 - (6.01 - 6) = 10.99dBm/MHz.

Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Test Engineer	Wen
Test Site	SR6	Test Date	2024/10/21~2024/11/4
Test Item	Power Spectral Density (U-NII-3) CDD Mode		

Test Mode	Data Rate/MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/510KHz)	Ant 1 PSD (dBm/510KHz)	Duty Cycle (%)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Result
11a	6Mbps	149	5745	10.529	11.042	98.62%	13.864	≤ 30.00	Pass
11a	6Mbps	157	5785	10.947	10.369	98.62%	13.738	≤ 30.00	Pass
11a	6Mbps	165	5825	10.084	10.660	98.62%	13.452	≤ 30.00	Pass
11ac-VHT20	MCS0	149	5745	9.496	9.902	98.99%	12.758	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	9.378	9.910	98.99%	12.707	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	9.127	10.080	98.99%	12.684	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	6.983	7.432	99.27%	10.255	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	6.451	7.436	99.27%	10.013	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	2.731	2.588	98.99%	5.714	≤ 30.00	Pass
11ax-HE20	MCS0	149	5745	9.652	10.397	99.63%	13.067	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	9.348	10.093	99.63%	12.763	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	9.038	10.205	99.63%	12.687	≤ 30.00	Pass
11ax-HE40	MCS0	151	5755	6.885	7.527	98.90%	10.276	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	6.573	7.072	98.90%	9.888	≤ 30.00	Pass
11ax-HE80	MCS0	155	5775	2.357	2.242	98.63%	5.370	≤ 30.00	Pass
11be-EHT20	MCS0	149	5745	9.753	10.276	99.27%	13.064	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	9.300	10.132	99.27%	12.778	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	9.434	9.967	99.27%	12.751	≤ 30.00	Pass
11be-EHT40	MCS0	151	5755	6.296	7.272	98.00%	9.909	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	6.401	7.182	98.00%	9.907	≤ 30.00	Pass
11be-EHT80	MCS0	155	5775	2.563	2.042	98.54%	5.384	≤ 30.00	Pass

Note 1: When EUT duty cycle ≥ 98%,

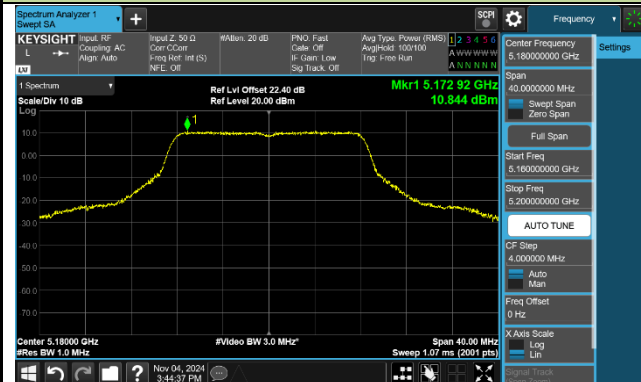
the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz).

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

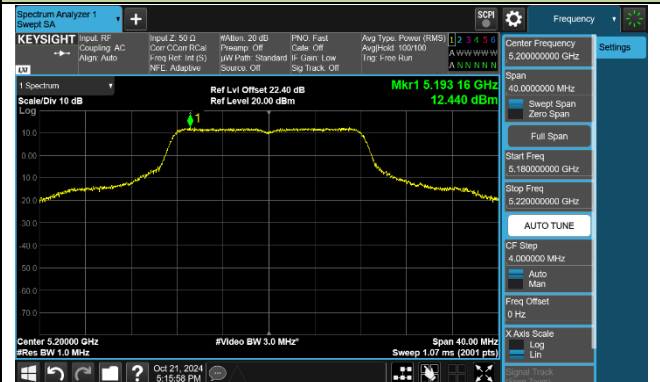
Note 2: PSD Limit (dBm/500kHz) = 30(dBm/500kHz).

802.11a Power Spectral Density - Ant 0

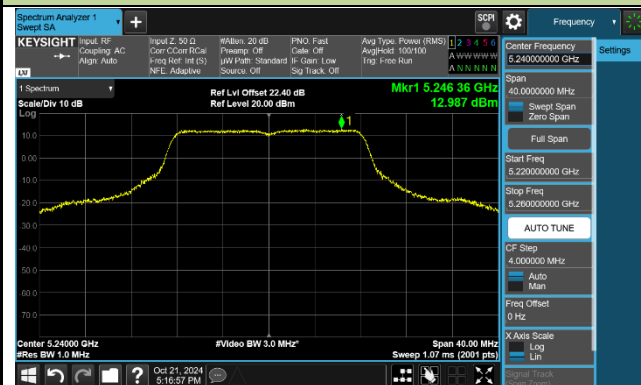
Channel 36 (5180MHz)



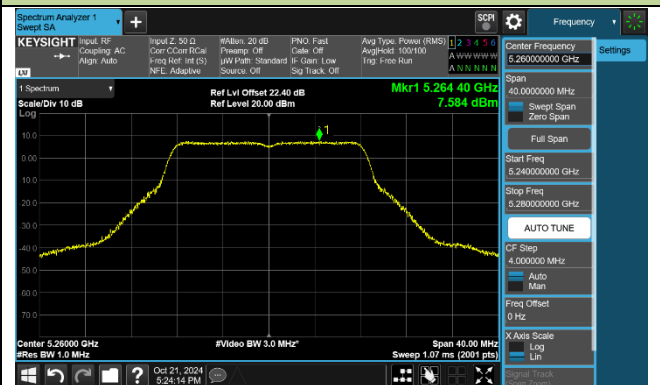
Channel 40 (5200MHz)



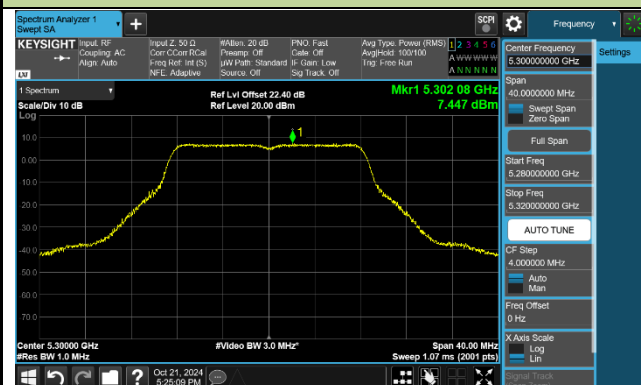
Channel 48 (5240MHz)



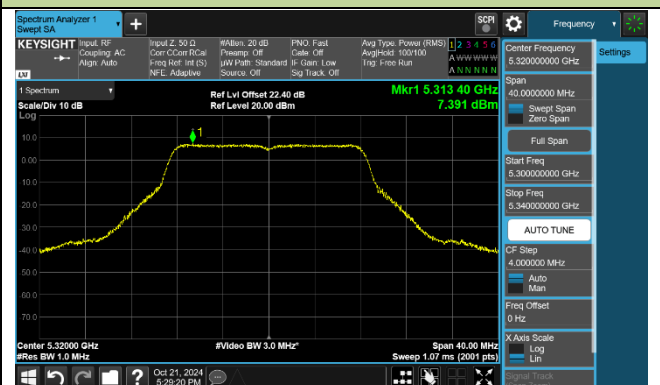
Channel 52 (5260MHz)



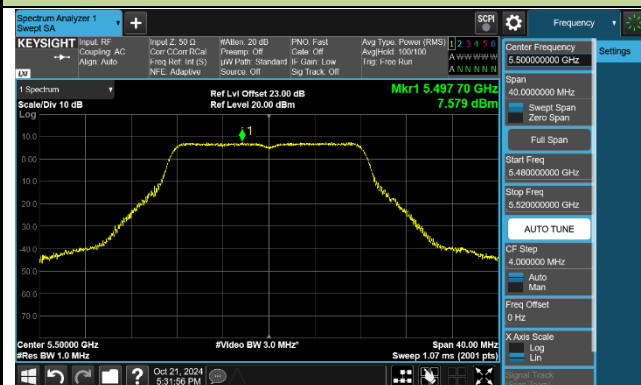
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

