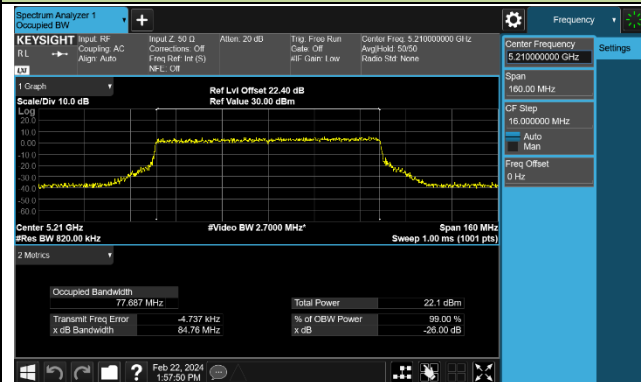
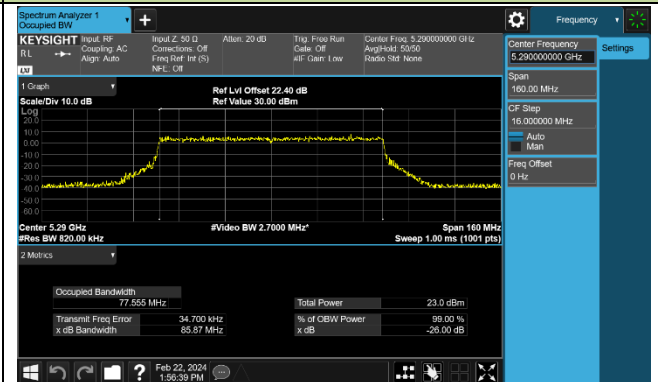


8802.11ax-HE80 26dB Bandwidth & 99% Bandwidth

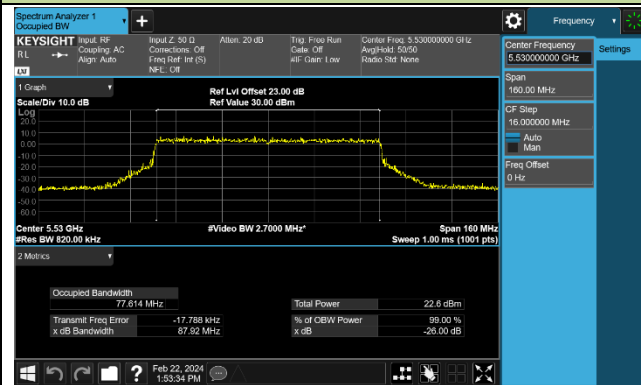
Channel 42 (5210MHz)



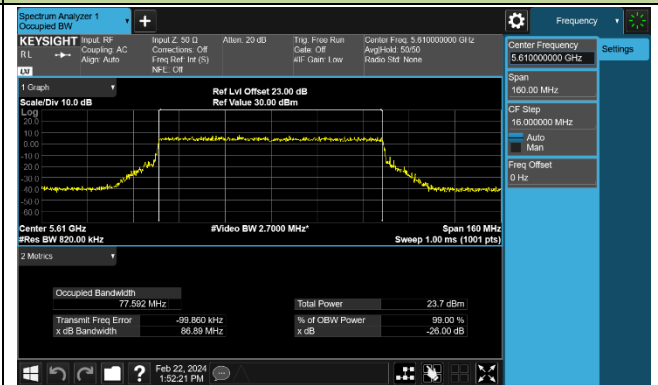
Channel 58 (5290MHz)



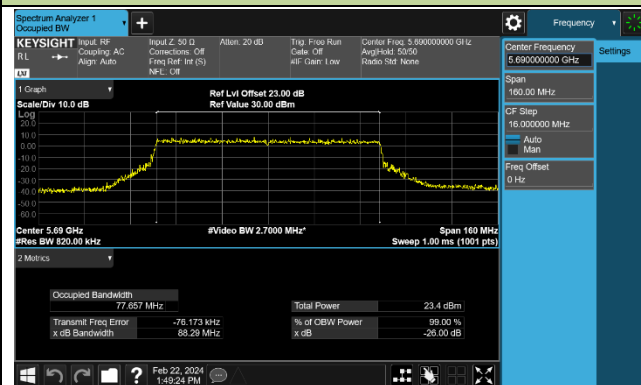
Channel 106 (5530MHz)



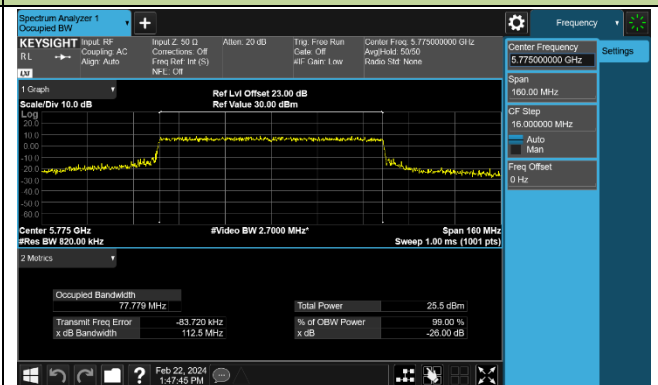
Channel 122 (5610MHz)



Channel 138 (5690MHz)

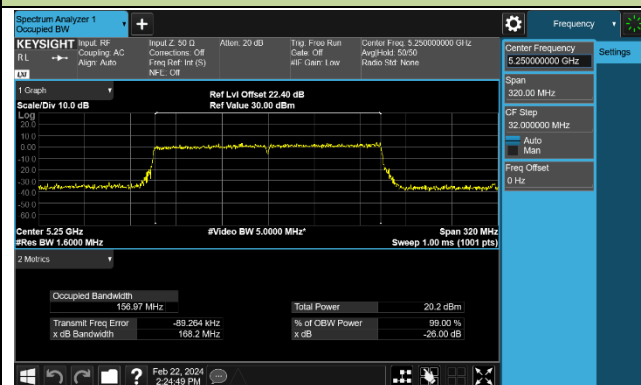


Channel 155 (5775MHz)

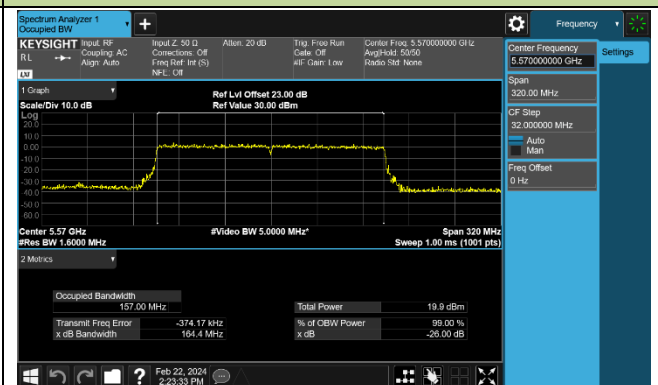


802.11ax-HE160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

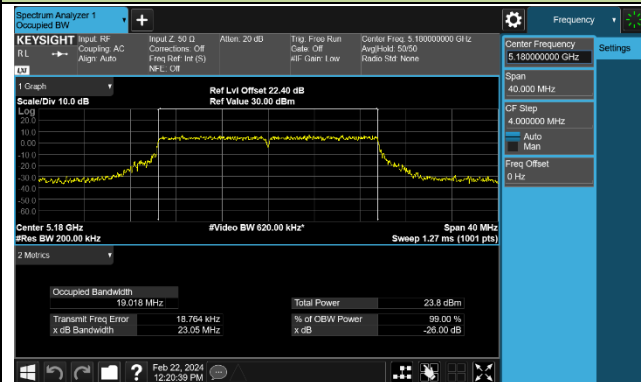


Channel 114 (5570MHz)

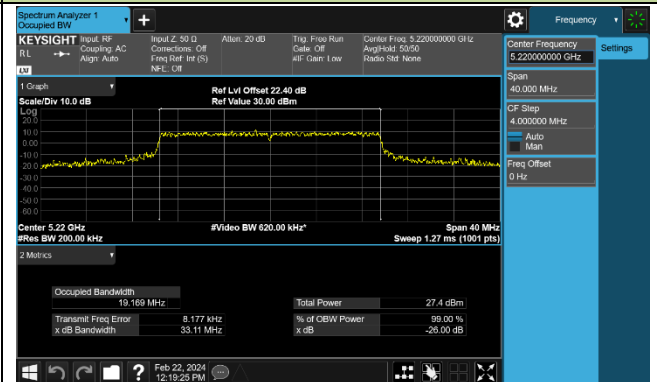


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

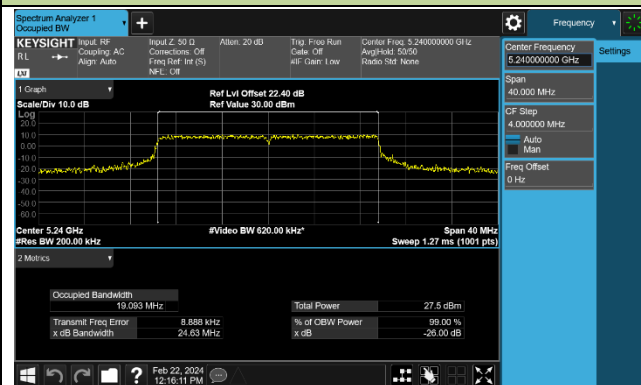
Channel 36 (5180MHz)



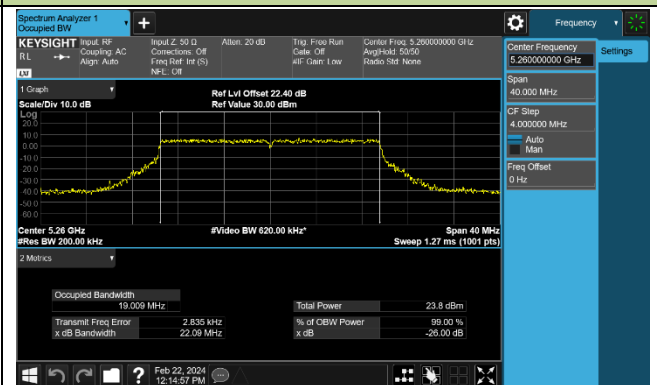
Channel 44 (5220MHz)



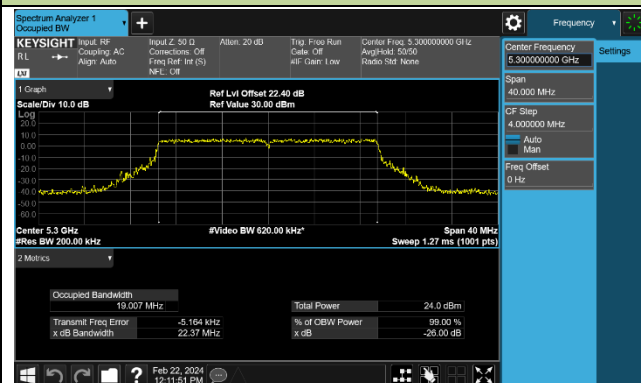
Channel 48 (5240MHz)



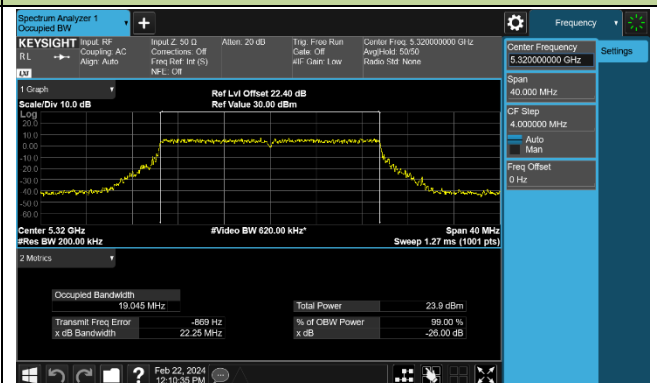
Channel 52 (5260MHz)



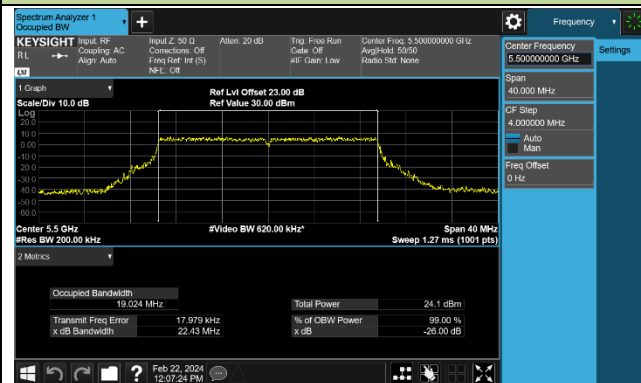
Channel 60 (5300MHz)



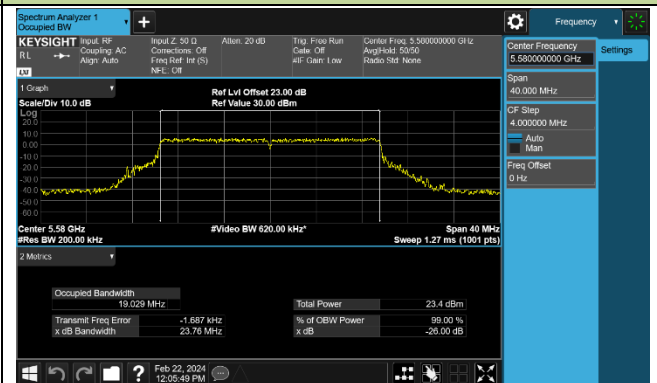
Channel 64 (5320MHz)



Channel 100 (5500MHz)

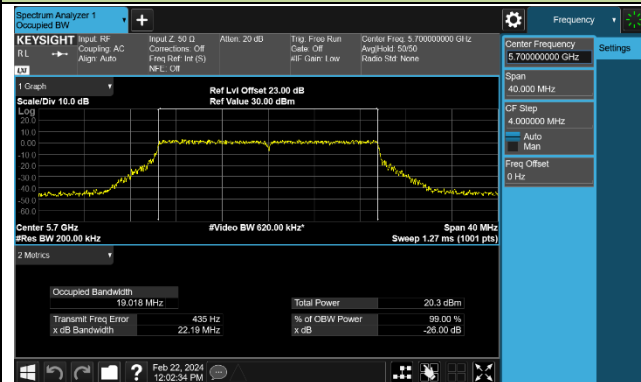


Channel 116 (5580MHz)

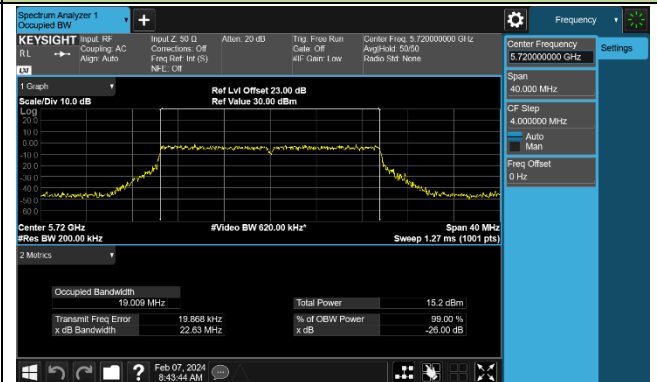


802.11be-EHT20 26dB Bandwidth & 99% Bandwidth

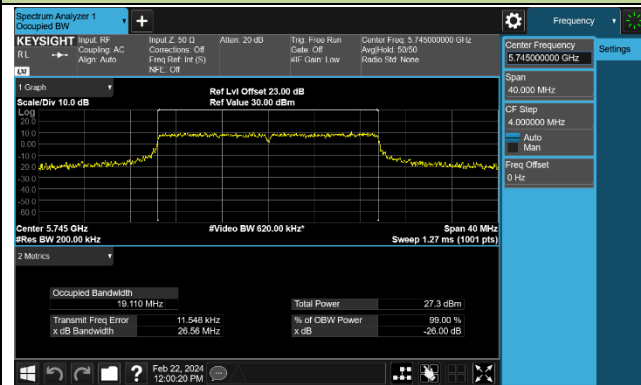
Channel 140 (5700MHz)



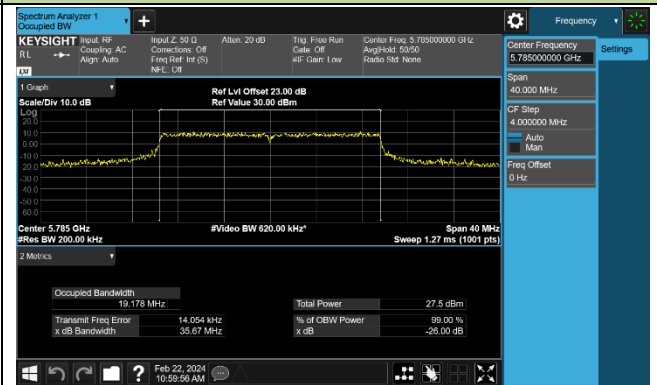
Channel 144 (5720MHz)



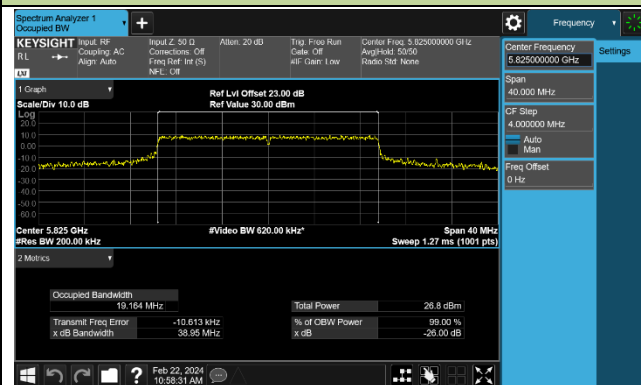
Channel 149 (5745MHz)



Channel 144 (5785MHz)

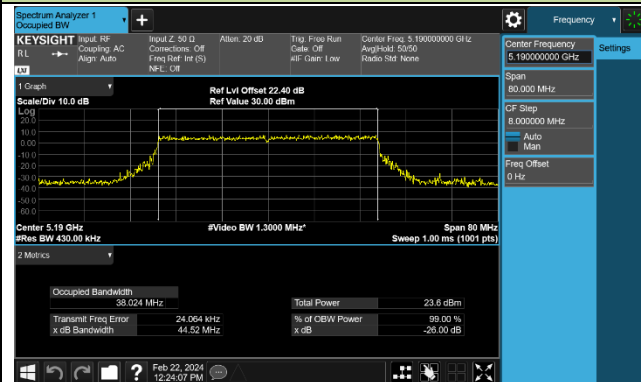


Channel 144 (5825MHz)

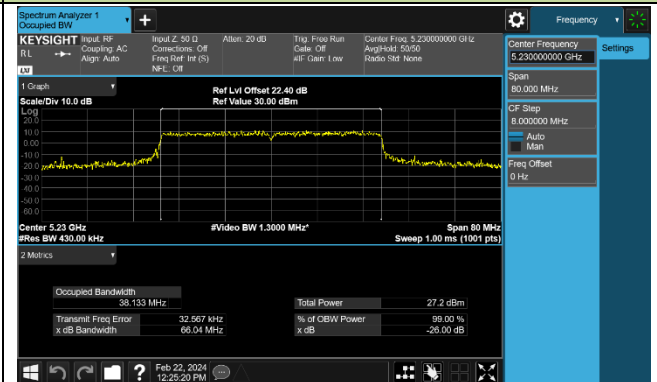


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

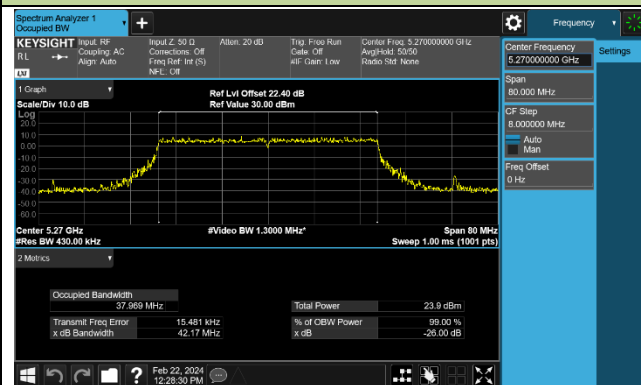
Channel 38 (5190MHz)



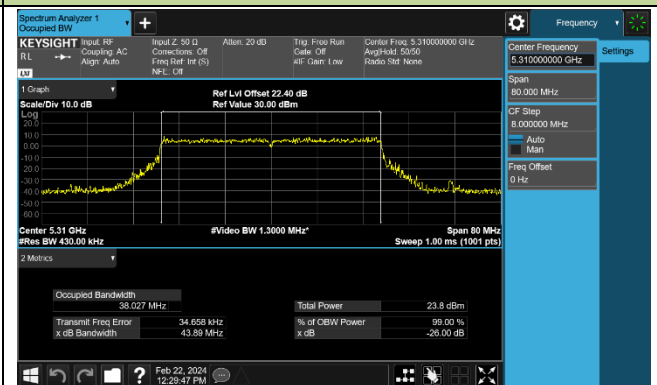
Channel 46 (5230MHz)



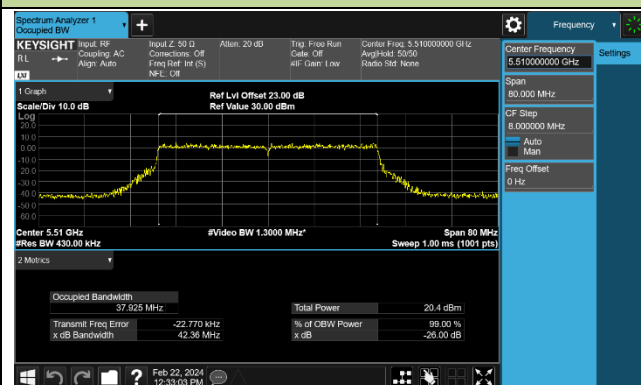
Channel 54 (5270MHz)



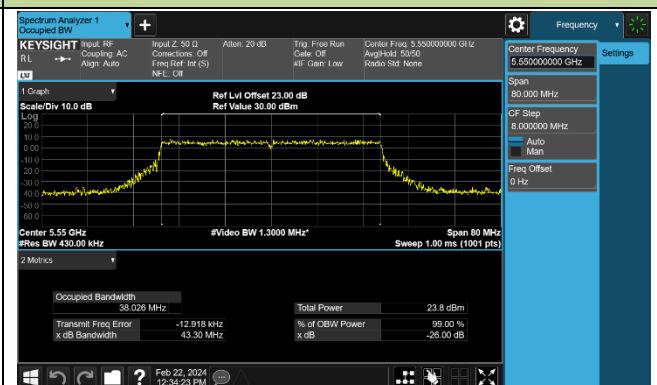
Channel 62 (5310MHz)



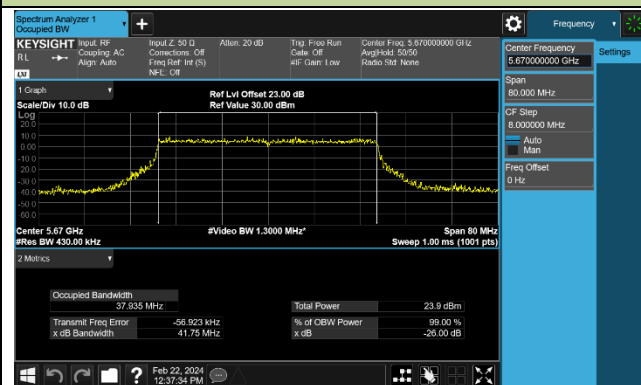
Channel 102 (5510MHz)



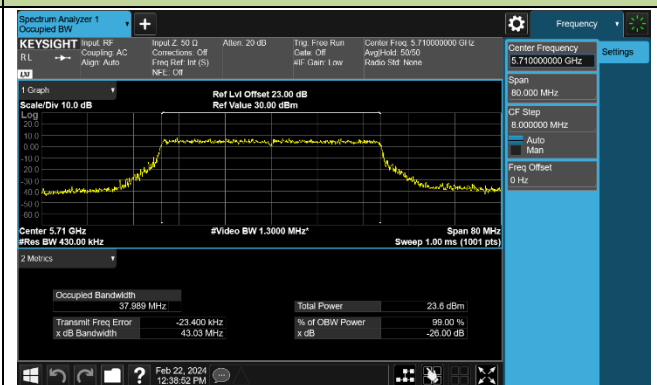
Channel 110 (5550MHz)



Channel 134 (5670MHz)

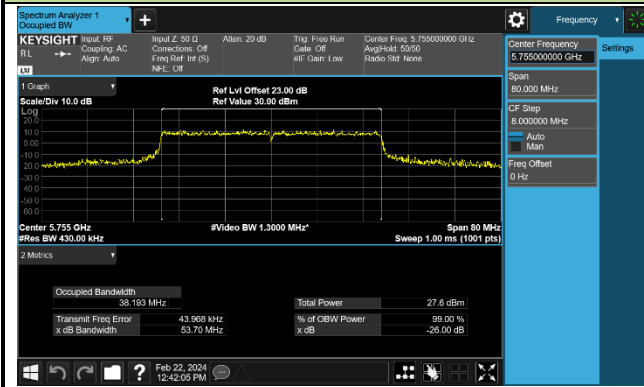


Channel 142 (5710MHz)

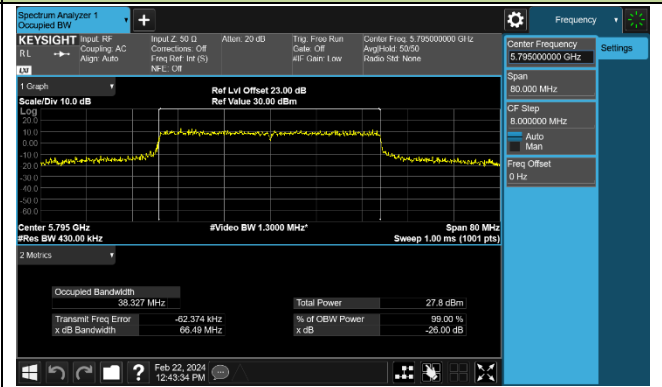


802.11be-EHT40 26dB Bandwidth & 99% Bandwidth

Channel 151 (5755MHz)



Channel 159 (5795MHz)

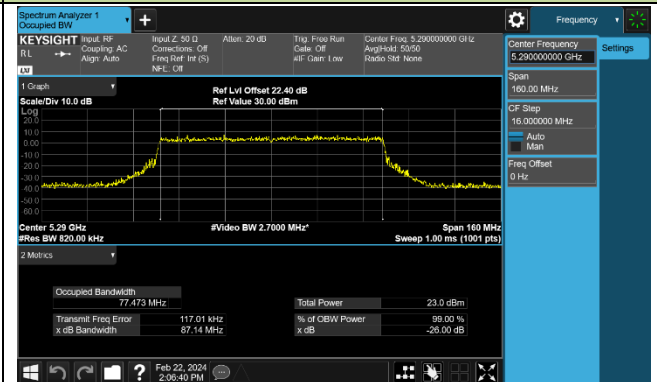


802.11be-EHT80 26dB Bandwidth & 99% Bandwidth

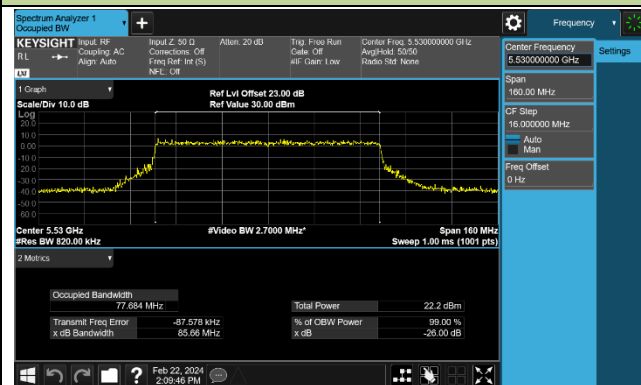
Channel 42 (5210MHz)



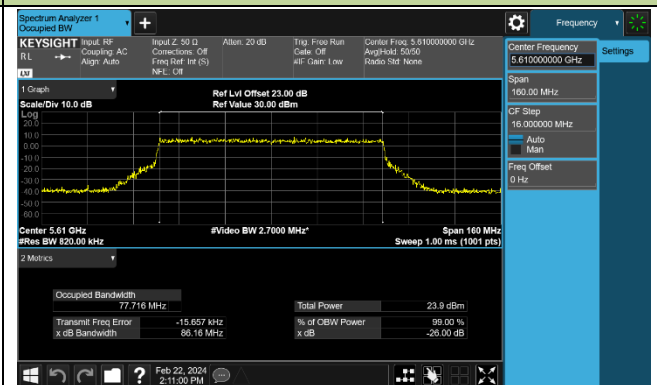
Channel 58 (5290MHz)



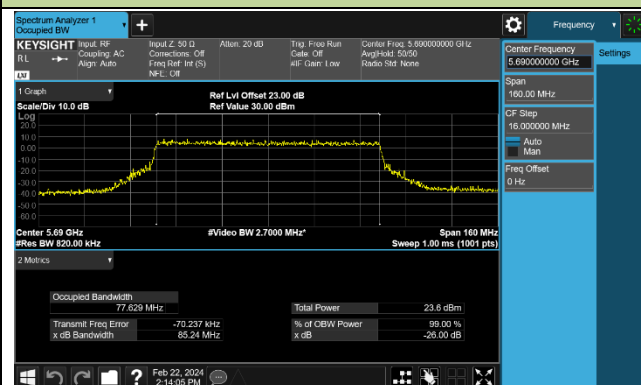
Channel 106 (5530MHz)



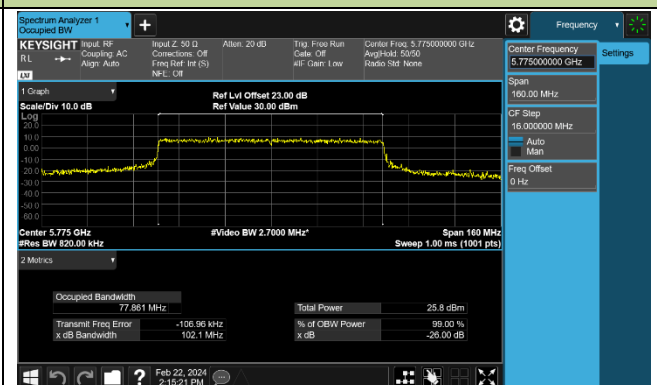
Channel 122 (5610MHz)



Channel 138 (5690MHz)

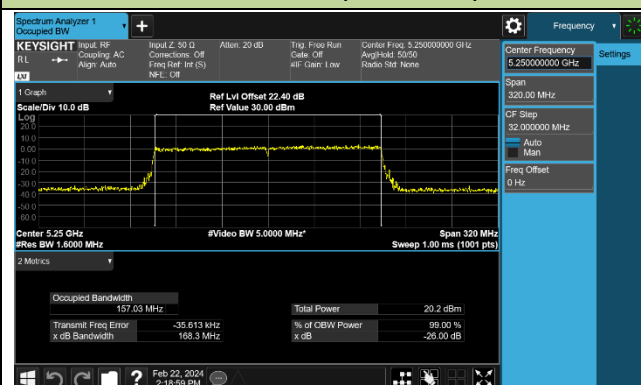


Channel 155 (5775MHz)

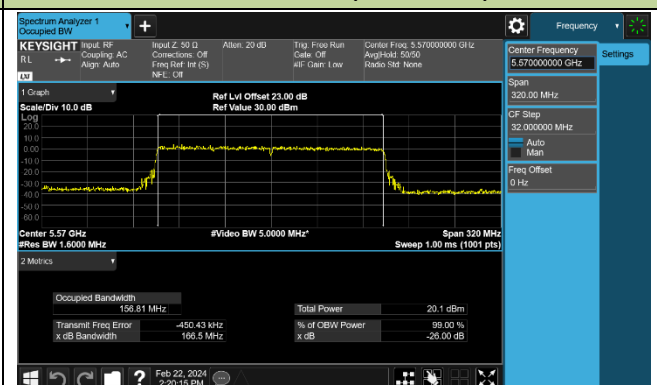


802.11be-EHT160 26dB Bandwidth & 99% Bandwidth

Channel 50 (5250MHz)

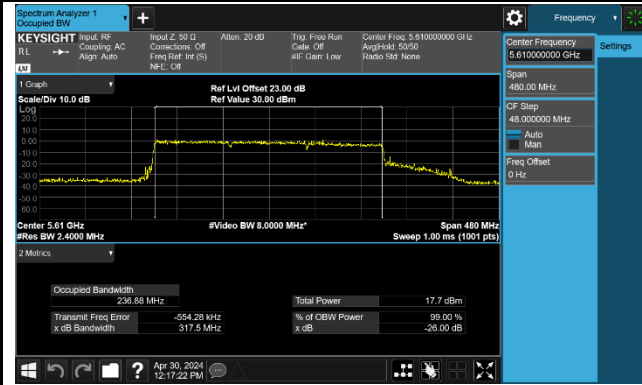


Channel 114 (5570MHz)



802.11be-EHT240 26dB Bandwidth & 99% Bandwidth

Channel 130 (5650MHz)



7.3. 6dB Bandwidth Measurement

7.3.1. Test Limit

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

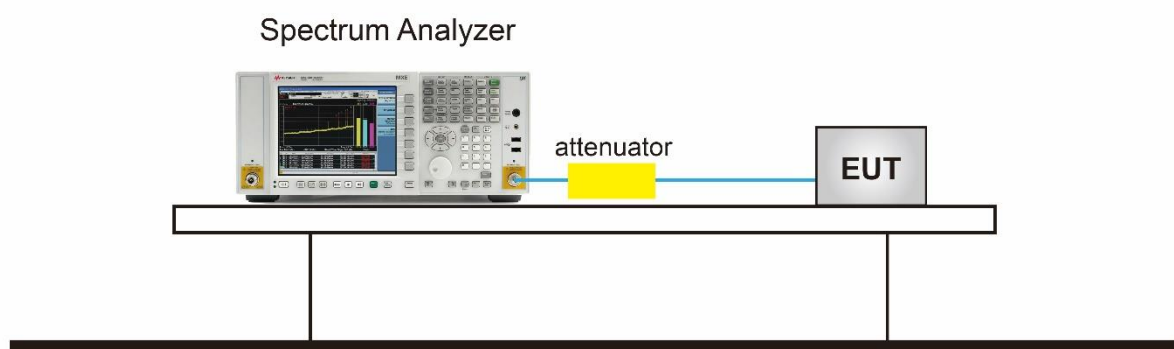
7.3.2. Test Procedure used

KDB 789033 D02v02r01- Section C.2

7.3.3. Test Setting

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

7.3.4. Test Setup



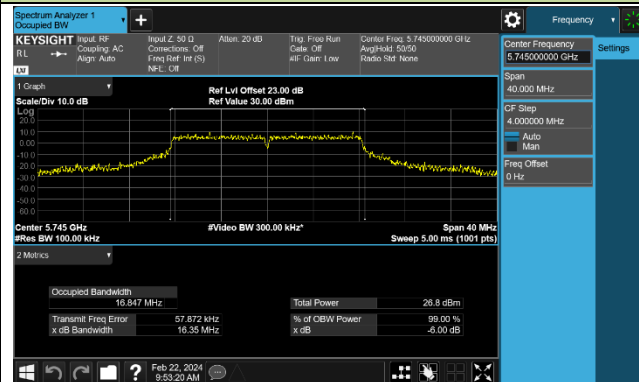
7.3.5.TestResult

Product	BE11000 Tri-Band Wi-Fi 7 Range Extender	Test Engineer	Xuan
Test Site	SR6	Test Date	2024/2/22

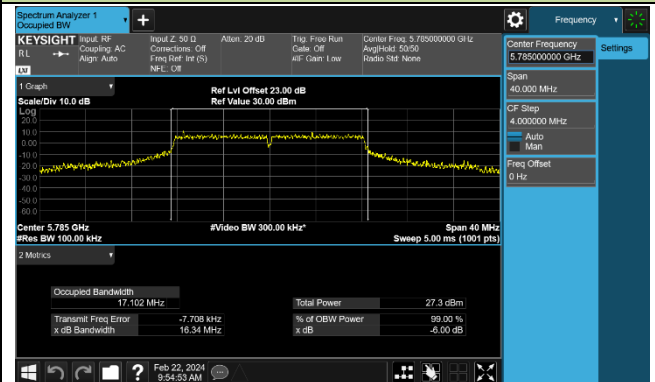
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1						
802.11a	6Mbps	149	5745	16.350	≥ 0.5	Pass
802.11a	6Mbps	157	5785	16.340	≥ 0.5	Pass
802.11a	6Mbps	165	5825	16.340	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	17.760	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.580	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.640	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.420	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.480	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.420	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	19.030	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	18.980	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	19.040	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	38.050	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.140	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	78.280	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	19.060	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	18.990	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	19.180	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	38.130	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	38.280	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	77.930	≥ 0.5	Pass

802.11a 6dB Bandwidth

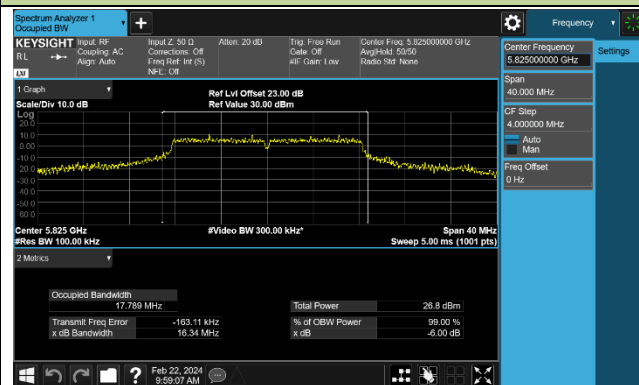
Channel 149 (5745MHz)



Channel 157 (5785MHz)

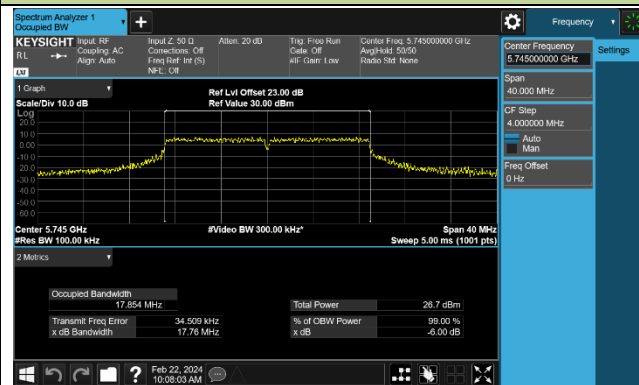


Channel 165 (5825MHz)

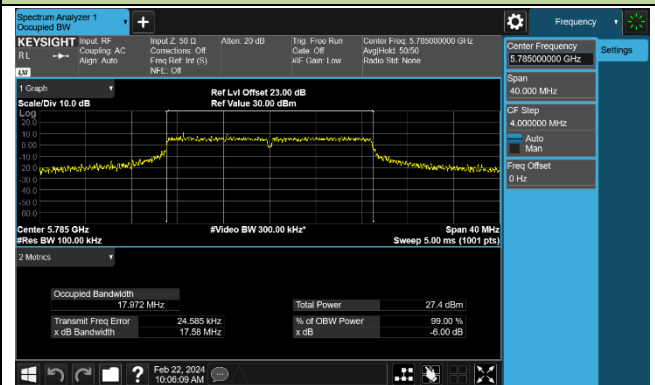


802.11ac-VHT20 6dB Bandwidth

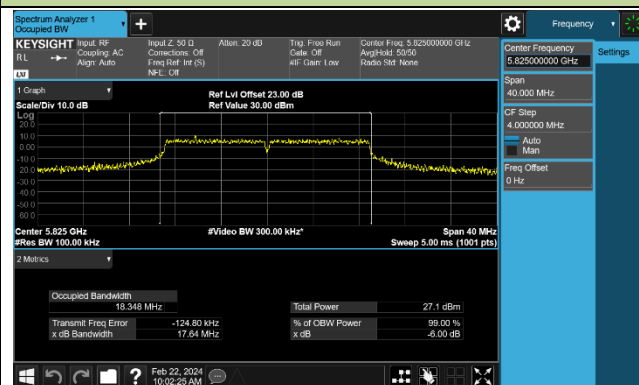
Channel 149 (5745MHz)



Channel 157 (5785MHz)

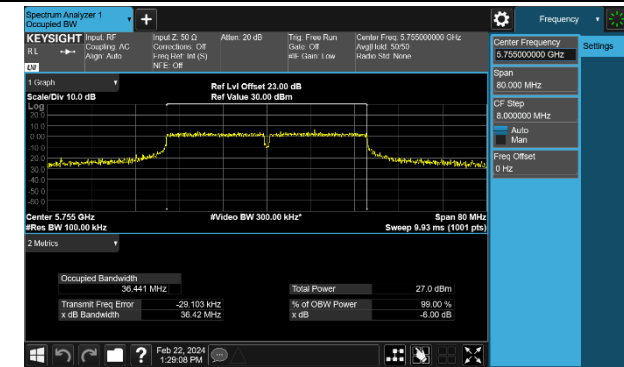


Channel 165 (5825MHz)

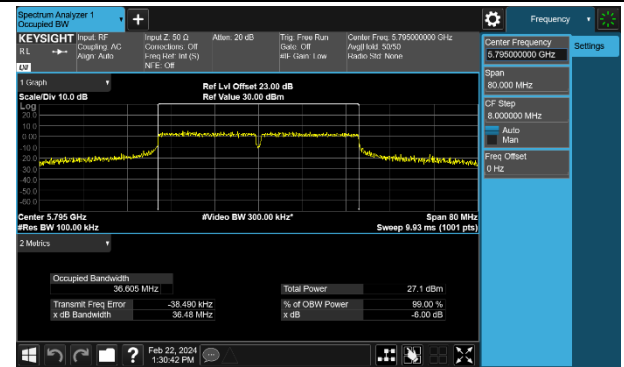


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

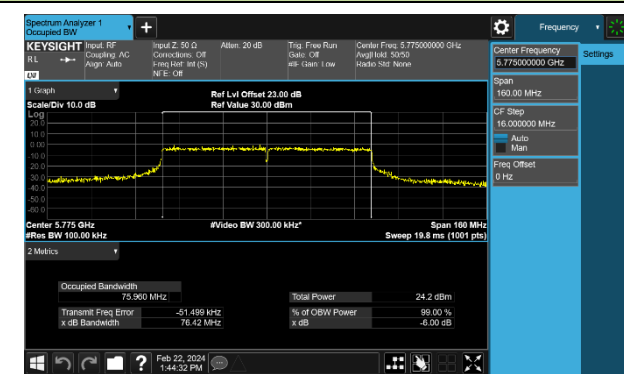


Channel 159 (5795MHz)



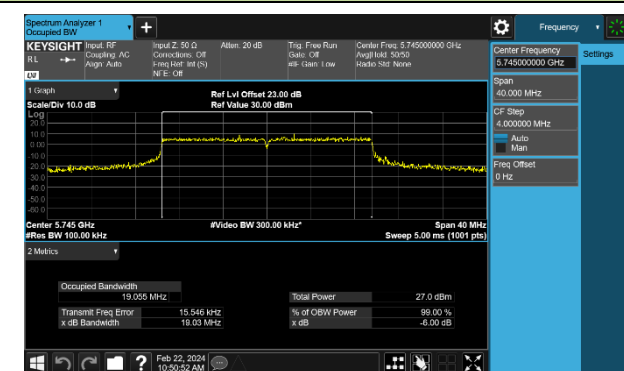
802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)

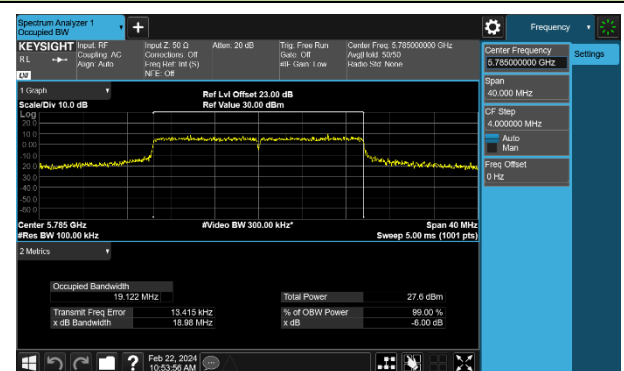


802.11ax-HE20 6dB Bandwidth

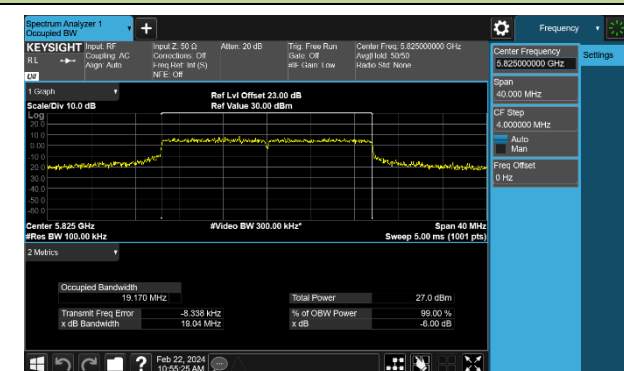
Channel 149 (5745MHz)



Channel 157 (5785MHz)

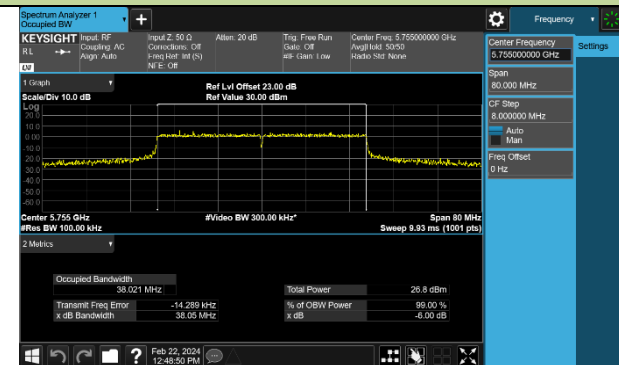


Channel 165 (5825MHz)

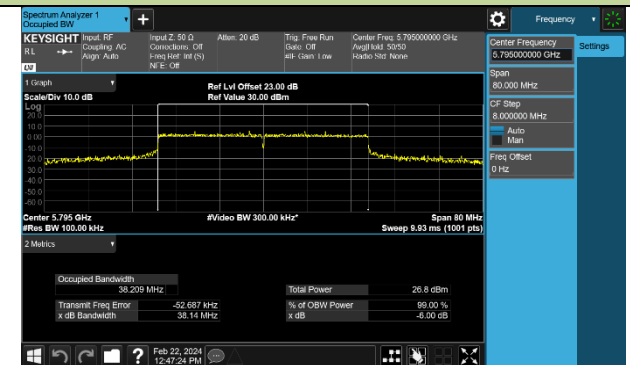


802.11ax-HE40 6dB Bandwidth

Channel 151 (5755MHz)

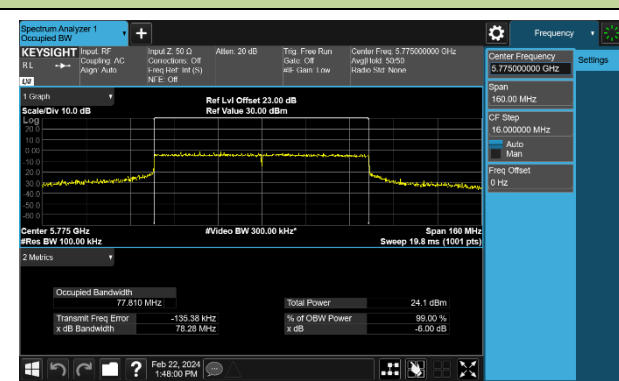


Channel 159 (5795MHz)



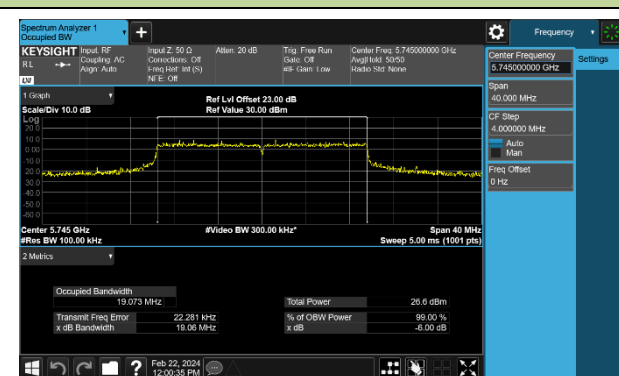
802.11ax-HE80 6dB Bandwidth

Channel 155 (5775MHz)

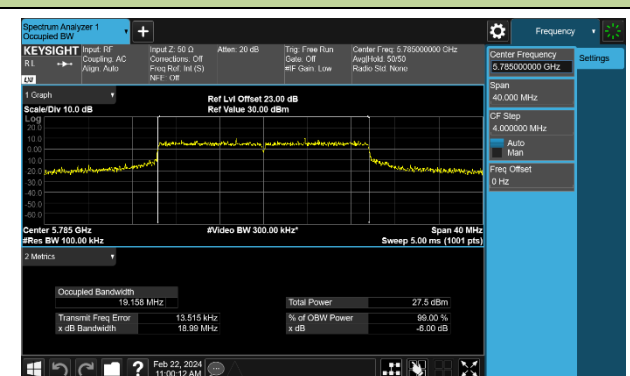


802.11be-EHT20 6dB Bandwidth

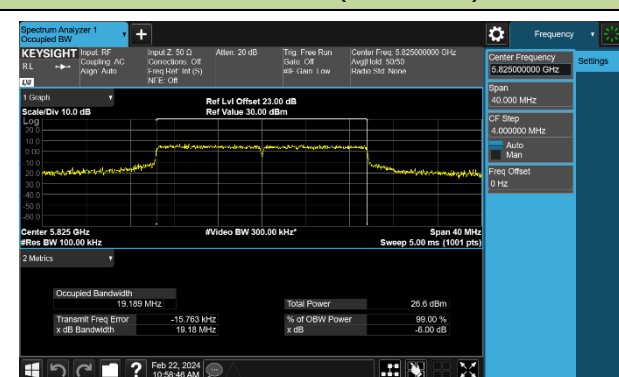
Channel 149 (5745MHz)



Channel 157 (5785MHz)

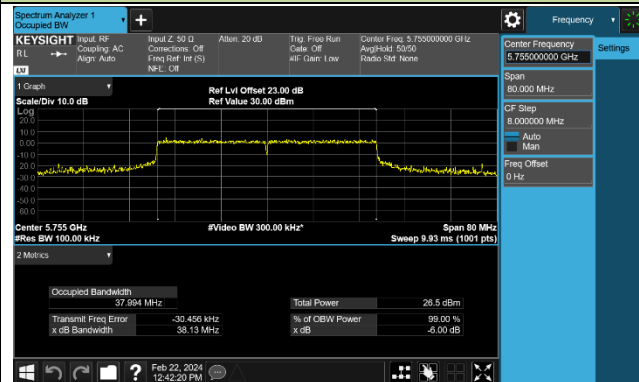


Channel 165 (5825MHz)

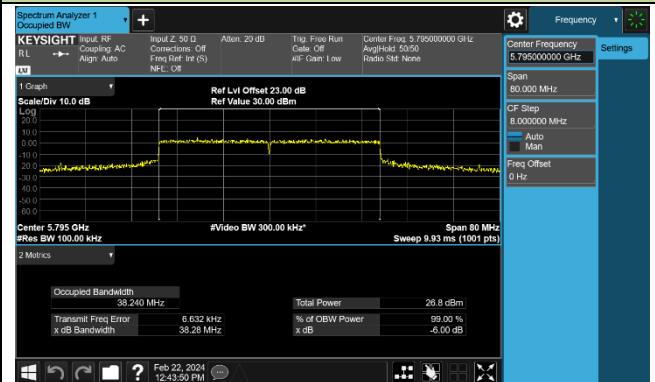


802.11be-EHT 40 6dB Bandwidth

Channel 151 (5755MHz)

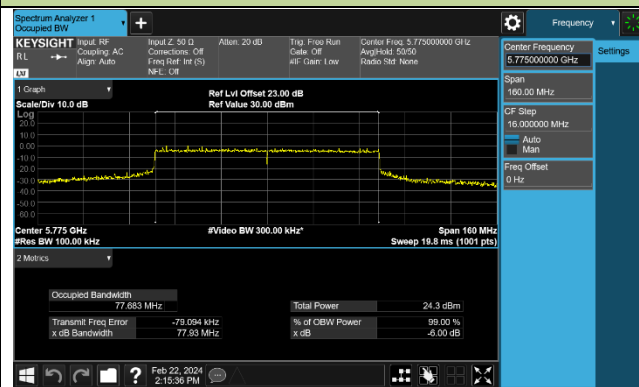


Channel 159 (5795MHz)



802.11be-EHT 80 6dB Bandwidth

Channel 155 (5775MHz)



7.4. Output Power Measurement

7.4.1. Test Limit

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

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

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

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

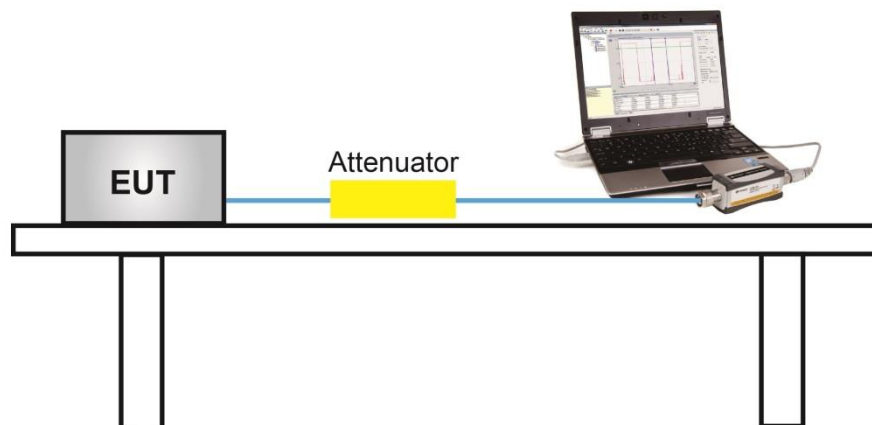
7.4.2. Test Procedure Used

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

7.4.3. Test Setting

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

7.4.4. Test Setup



7.4.5. Test Result

Product	BE11000 Tri-Band Wi-Fi 7 Range Extender	Test Engineer	Xuan
Test Site	SR6	Test Date	2024/2/2
Test Mode	CDD Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11a	6Mbps	36	5180	19.70	19.65	22.69	≤ 30.00	Pass
11a	6Mbps	44	5220	24.56	24.18	27.38	≤ 30.00	Pass
11a	6Mbps	48	5240	24.41	24.12	27.28	≤ 30.00	Pass
11a	6Mbps	52	5260	20.52	20.59	23.57	≤ 23.98	Pass
11a	6Mbps	60	5300	20.61	20.68	23.66	≤ 23.98	Pass
11a	6Mbps	64	5320	20.32	20.52	23.43	≤ 23.98	Pass
11a	6Mbps	100	5500	18.52	18.85	21.70	≤ 23.98	Pass
11a	6Mbps	116	5580	20.54	20.35	23.46	≤ 23.98	Pass
11a	6Mbps	140	5700	16.50	16.54	19.53	≤ 23.98	Pass
11a	6Mbps	144	5720	20.05	19.50	22.79	≤ 23.07	Pass
11a	6Mbps	149	5745	24.00	24.48	27.26	≤ 30.00	Pass
11a	6Mbps	157	5785	24.01	24.73	27.40	≤ 30.00	Pass
11a	6Mbps	165	5825	24.41	24.53	27.48	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	21.15	21.22	24.20	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	24.32	24.60	27.47	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.05	24.43	27.25	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	20.56	20.51	23.55	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	20.72	20.90	23.82	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	20.51	20.54	23.54	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	20.30	20.71	23.52	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	20.61	20.37	23.50	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	20.80	20.62	23.72	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	20.23	19.67	22.97	≤ 23.05	Pass
11ac-VHT20	MCS0	149	5745	24.03	24.71	27.39	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	24.27	24.70	27.50	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	24.16	24.63	27.41	≤ 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	20.91	20.73	23.83	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.41	24.36	27.40	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.60	20.76	23.69	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.66	21.05	23.87	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	17.47	17.24	20.37	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.60	20.71	23.67	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.34	20.84	23.61	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.55	20.61	23.59	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	24.24	25.07	27.69	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.11	24.48	27.31	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	19.75	19.50	22.64	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.19	20.13	23.17	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	19.48	19.03	22.27	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.35	20.83	23.61	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.38	20.57	23.49	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	22.13	22.64	25.40	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	18.14	17.88	21.02	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	17.06	17.30	20.19	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	20.75	20.78	23.78	≤ 30.00	Pass
11ax-HE20	MCS0	40	5220	24.51	24.80	27.67	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.32	24.60	27.47	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	20.70	20.75	23.74	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	20.66	20.58	23.63	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	20.46	20.89	23.69	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	20.42	20.71	23.58	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	20.73	20.41	23.58	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	19.23	19.41	22.33	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.91	19.51	22.72	≤ 23.09	Pass
11ax-HE20	MCS0	149	5745	24.08	24.72	27.42	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	24.30	24.90	27.62	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	24.46	24.80	27.64	≤ 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	20.89	20.75	23.83	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.31	24.33	27.33	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.38	20.93	23.67	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	20.71	21.00	23.87	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	17.60	18.36	21.01	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.78	20.72	23.76	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	20.33	20.86	23.61	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.64	20.63	23.65	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	24.48	24.84	27.67	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	24.12	24.60	27.38	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	19.79	19.57	22.69	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.05	20.14	23.11	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	19.02	19.24	22.14	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.35	20.92	23.65	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.51	20.61	23.57	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	22.73	22.97	25.86	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	18.18	17.94	21.07	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	17.12	17.36	20.25	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	20.66	20.76	23.72	≤ 30.00	Pass
11be-EHT20	MCS0	40	5220	24.45	24.73	27.60	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	24.29	24.47	27.39	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	20.70	20.72	23.72	≤ 23.98	Pass
11be-EHT20	MCS0	60	5300	20.80	20.84	23.83	≤ 23.98	Pass
11be-EHT20	MCS0	64	5320	20.39	20.64	23.53	≤ 23.98	Pass
11be-EHT20	MCS0	100	5500	20.36	20.73	23.56	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	20.60	20.45	23.54	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	17.20	17.35	20.29	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	20.26	19.54	22.93	≤ 23.13	Pass
11be-EHT20	MCS0	149	5745	24.25	24.62	27.45	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	24.15	24.86	27.53	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	24.13	24.30	27.23	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11be-EHT40	MCS0	38	5190	20.86	20.63	23.76	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	24.28	24.25	27.28	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.45	20.78	23.63	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	20.62	21.00	23.82	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	16.84	17.19	20.03	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.59	20.72	23.67	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	20.31	20.62	23.48	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.50	20.52	23.52	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	24.42	24.80	27.62	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	24.05	24.51	27.30	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	19.82	19.58	22.71	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	20.08	20.09	23.10	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	19.21	18.95	22.09	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.53	20.84	23.70	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.54	20.68	23.62	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	22.78	22.95	25.88	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	18.16	17.98	21.08	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	17.13	17.48	20.32	≤ 23.98	Pass
11be-EHT240	MCS0	130	5650	15.72	15.78	18.76	≤ 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 Tri-Band Wi-Fi 7 Range Extender	Test Engineer	Xuan
Test Site	SR6	Test Date	2024/2/2
Test Mode	Beamforming Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ac-VHT20	MCS0	36	5180	21.15	21.22	24.20	≤ 29.99	Pass
11ac-VHT20	MCS0	40	5220	24.32	24.60	27.47	≤ 29.99	Pass
11ac-VHT20	MCS0	48	5240	24.05	24.43	27.25	≤ 29.99	Pass
11ac-VHT20	MCS0	52	5260	20.56	20.51	23.55	≤ 23.97	Pass
11ac-VHT20	MCS0	60	5300	20.72	20.90	23.82	≤ 23.97	Pass
11ac-VHT20	MCS0	64	5320	20.51	20.54	23.54	≤ 23.97	Pass
11ac-VHT20	MCS0	100	5500	20.30	20.71	23.52	≤ 23.97	Pass
11ac-VHT20	MCS0	116	5580	20.61	20.37	23.50	≤ 23.97	Pass
11ac-VHT20	MCS0	140	5700	20.80	20.62	23.72	≤ 23.97	Pass
11ac-VHT20	MCS0	144	5720	20.23	19.67	22.97	≤ 23.04	Pass
11ac-VHT20	MCS0	149	5745	24.03	24.71	27.39	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	24.27	24.70	27.50	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	24.16	24.63	27.41	≤ 29.99	Pass
11ac-VHT40	MCS0	38	5190	20.91	20.73	23.83	≤ 29.99	Pass
11ac-VHT40	MCS0	46	5230	24.41	24.36	27.40	≤ 29.99	Pass
11ac-VHT40	MCS0	54	5270	20.60	20.76	23.69	≤ 23.97	Pass
11ac-VHT40	MCS0	62	5310	20.66	21.05	23.87	≤ 23.97	Pass
11ac-VHT40	MCS0	102	5510	17.47	17.24	20.37	≤ 23.97	Pass
11ac-VHT40	MCS0	110	5550	20.60	20.71	23.67	≤ 23.97	Pass
11ac-VHT40	MCS0	134	5670	20.34	20.84	23.61	≤ 23.97	Pass
11ac-VHT40	MCS0	142	5710	20.55	20.61	23.59	≤ 23.97	Pass
11ac-VHT40	MCS0	151	5755	24.24	25.07	27.69	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	24.11	24.48	27.31	≤ 29.99	Pass
11ac-VHT80	MCS0	42	5210	19.75	19.50	22.64	≤ 29.99	Pass
11ac-VHT80	MCS0	58	5290	20.19	20.13	23.17	≤ 23.97	Pass
11ac-VHT80	MCS0	106	5530	19.48	19.03	22.27	≤ 23.97	Pass
11ac-VHT80	MCS0	122	5610	20.35	20.83	23.61	≤ 23.97	Pass
11ac-VHT80	MCS0	138	5690	20.38	20.57	23.49	≤ 23.97	Pass
11ac-VHT80	MCS0	155	5775	22.13	22.64	25.40	≤ 29.99	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ac-VHT160	MCS0	50	5250	18.14	17.88	21.02	≤ 23.97	Pass
11ac-VHT160	MCS0	114	5570	17.06	17.30	20.19	≤ 23.97	Pass
11ax-HE20	MCS0	36	5180	20.75	20.78	23.78	≤ 29.99	Pass
11ax-HE20	MCS0	40	5220	24.51	24.80	27.67	≤ 29.99	Pass
11ax-HE20	MCS0	48	5240	24.32	24.60	27.47	≤ 29.99	Pass
11ax-HE20	MCS0	52	5260	20.70	20.75	23.74	≤ 23.97	Pass
11ax-HE20	MCS0	60	5300	20.66	20.58	23.63	≤ 23.97	Pass
11ax-HE20	MCS0	64	5320	20.46	20.89	23.69	≤ 23.97	Pass
11ax-HE20	MCS0	100	5500	20.42	20.71	23.58	≤ 23.97	Pass
11ax-HE20	MCS0	116	5580	20.73	20.41	23.58	≤ 23.97	Pass
11ax-HE20	MCS0	140	5700	19.23	19.41	22.33	≤ 23.97	Pass
11ax-HE20	MCS0	144	5720	19.91	19.51	22.72	≤ 23.08	Pass
11ax-HE20	MCS0	149	5745	24.08	24.72	27.42	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	24.30	24.90	27.62	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	24.46	24.80	27.64	≤ 29.99	Pass
11ax-HE40	MCS0	38	5190	20.89	20.75	23.83	≤ 29.99	Pass
11ax-HE40	MCS0	46	5230	24.31	24.33	27.33	≤ 29.99	Pass
11ax-HE40	MCS0	54	5270	20.38	20.93	23.67	≤ 23.97	Pass
11ax-HE40	MCS0	62	5310	20.71	21.00	23.87	≤ 23.97	Pass
11ax-HE40	MCS0	102	5510	17.60	18.36	21.01	≤ 23.97	Pass
11ax-HE40	MCS0	110	5550	20.78	20.72	23.76	≤ 23.97	Pass
11ax-HE40	MCS0	134	5670	20.33	20.86	23.61	≤ 23.97	Pass
11ax-HE40	MCS0	142	5710	20.64	20.63	23.65	≤ 23.97	Pass
11ax-HE40	MCS0	151	5755	24.48	24.84	27.67	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	24.12	24.60	27.38	≤ 29.99	Pass
11ax-HE80	MCS0	42	5210	19.79	19.57	22.69	≤ 29.99	Pass
11ax-HE80	MCS0	58	5290	20.05	20.14	23.11	≤ 23.97	Pass
11ax-HE80	MCS0	106	5530	19.02	19.24	22.14	≤ 23.97	Pass
11ax-HE80	MCS0	122	5610	20.35	20.92	23.65	≤ 23.97	Pass
11ax-HE80	MCS0	138	5690	20.51	20.61	23.57	≤ 23.97	Pass
11ax-HE80	MCS0	155	5775	22.73	22.97	25.86	≤ 29.99	Pass
11ax-HE160	MCS0	50	5250	18.18	17.94	21.07	≤ 23.97	Pass
11ax-HE160	MCS0	114	5570	17.12	17.36	20.25	≤ 23.97	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	20.66	20.76	23.72	≤ 29.99	Pass
11be-EHT20	MCS0	40	5220	24.45	24.73	27.60	≤ 29.99	Pass
11be-EHT20	MCS0	48	5240	24.29	24.47	27.39	≤ 29.99	Pass
11be-EHT20	MCS0	52	5260	20.70	20.72	23.72	≤ 23.97	Pass
11be-EHT20	MCS0	60	5300	20.80	20.84	23.83	≤ 23.97	Pass
11be-EHT20	MCS0	64	5320	20.39	20.64	23.53	≤ 23.97	Pass
11be-EHT20	MCS0	100	5500	20.36	20.73	23.56	≤ 23.97	Pass
11be-EHT20	MCS0	116	5580	20.60	20.45	23.54	≤ 23.97	Pass
11be-EHT20	MCS0	140	5700	17.20	17.35	20.29	≤ 23.97	Pass
11be-EHT20	MCS0	144	5720	20.26	19.54	22.93	≤ 23.12	Pass
11be-EHT20	MCS0	149	5745	24.25	24.62	27.45	≤ 29.99	Pass
11be-EHT20	MCS0	157	5785	24.15	24.86	27.53	≤ 29.99	Pass
11be-EHT20	MCS0	165	5825	24.13	24.30	27.23	≤ 29.99	Pass
11be-EHT40	MCS0	38	5190	20.86	20.63	23.76	≤ 29.99	Pass
11be-EHT40	MCS0	46	5230	24.28	24.25	27.28	≤ 29.99	Pass
11be-EHT40	MCS0	54	5270	20.45	20.78	23.63	≤ 23.97	Pass
11be-EHT40	MCS0	62	5310	20.62	21.00	23.82	≤ 23.97	Pass
11be-EHT40	MCS0	102	5510	16.84	17.19	20.03	≤ 23.97	Pass
11be-EHT40	MCS0	110	5550	20.59	20.72	23.67	≤ 23.97	Pass
11be-EHT40	MCS0	134	5670	20.31	20.62	23.48	≤ 23.97	Pass
11be-EHT40	MCS0	142	5710	20.50	20.52	23.52	≤ 23.97	Pass
11be-EHT40	MCS0	151	5755	24.42	24.80	27.62	≤ 29.99	Pass
11be-EHT40	MCS0	159	5795	24.05	24.51	27.30	≤ 29.99	Pass
11be-EHT80	MCS0	42	5210	19.82	19.58	22.71	≤ 29.99	Pass
11be-EHT80	MCS0	58	5290	20.08	20.09	23.10	≤ 23.97	Pass
11be-EHT80	MCS0	106	5530	19.21	18.95	22.09	≤ 23.97	Pass
11be-EHT80	MCS0	122	5610	20.53	20.84	23.70	≤ 23.97	Pass
11be-EHT80	MCS0	138	5690	20.54	20.68	23.62	≤ 23.97	Pass
11be-EHT80	MCS0	155	5775	22.78	22.95	25.88	≤ 29.99	Pass
11be-EHT160	MCS0	50	5250	18.16	17.98	21.08	≤ 23.97	Pass
11be-EHT160	MCS0	114	5570	17.13	17.48	20.32	≤ 23.97	Pass
11be-EHT240	MCS0	130	5650	15.72	15.78	18.76	≤ 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 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = $30 - (6.01 - 6) = 29.99\text{dBm}$

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

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

7.5. Transmit Power Control

7.5.1. Test Limit

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

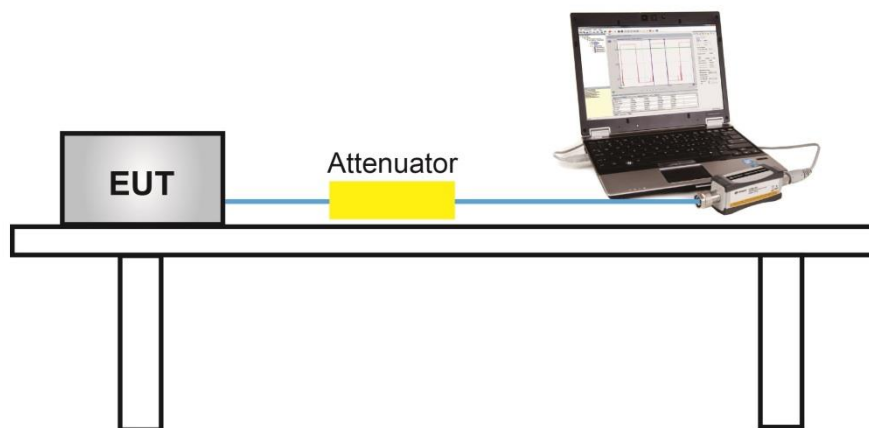
7.5.2. Test Procedure Used

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

7.5.3. Test Setting

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

7.5.4. Test Setup



7.5.5. Test Result

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

7.6. Power Spectral Density Measurement

7.6.1. Test Limit

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

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

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

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

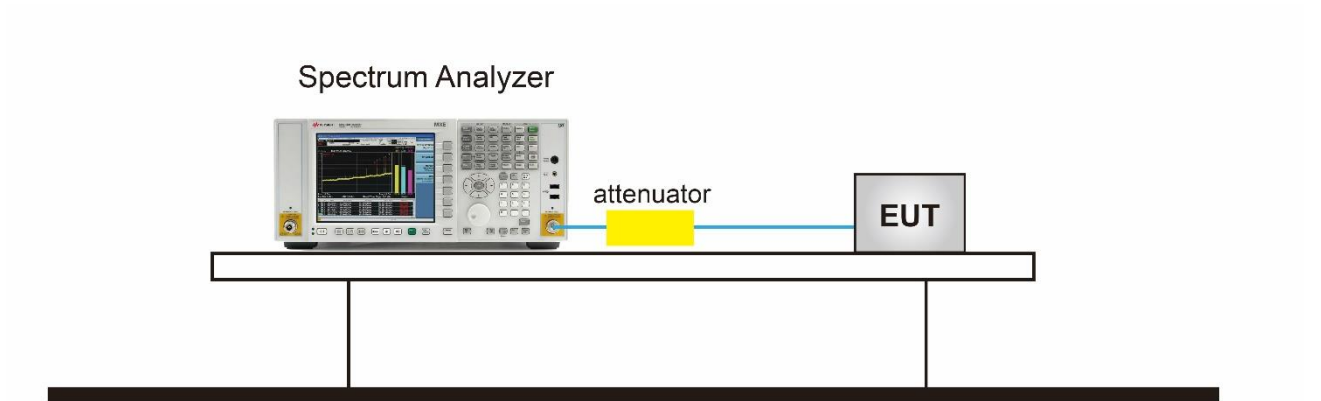
7.6.2. Test Procedure Used

KDB 789033 D02v02r01-Section F

7.6.3. Test Setting

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

7.6.4. Test Setup



7.6.5. Test Result

Product	BE11000 Tri-Band Wi-Fi 7 Range Extender	Test Engineer	Xuan
Test Site	SR6	Test Date	2024/2/6~2024/2/29
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	6.101	5.870	98.45%	9.065	≤ 16.99	Pass
11a	6Mbps	44	5220	10.687	10.988	98.45%	13.918	≤ 16.99	Pass
11a	6Mbps	48	5240	10.545	10.872	98.45%	13.790	≤ 16.99	Pass
11a	6Mbps	52	5260	6.983	7.244	98.45%	10.194	≤ 10.99	Pass
11a	6Mbps	60	5300	7.609	7.742	98.45%	10.754	≤ 10.99	Pass
11a	6Mbps	64	5320	7.671	7.561	98.45%	10.694	≤ 10.99	Pass
11a	6Mbps	100	5500	5.691	6.367	98.45%	9.120	≤ 10.99	Pass
11a	6Mbps	116	5580	7.075	6.879	98.45%	10.056	≤ 10.99	Pass
11a	6Mbps	140	5700	3.117	3.187	98.45%	6.230	≤ 10.99	Pass
11a	6Mbps	144	5720	7.088	7.106	98.45%	10.175	≤ 10.99	Pass
11ac-VHT20	MCS0	36	5180	7.099	7.389	96.96%	10.391	≤ 16.99	Pass
11ac-VHT20	MCS0	40	5220	10.461	10.803	96.96%	13.780	≤ 16.99	Pass
11ac-VHT20	MCS0	48	5240	10.422	10.405	96.96%	13.558	≤ 16.99	Pass
11ac-VHT20	MCS0	52	5260	6.523	6.898	96.96%	9.859	≤ 10.99	Pass
11ac-VHT20	MCS0	60	5300	7.211	7.254	96.96%	10.377	≤ 10.99	Pass
11ac-VHT20	MCS0	64	5320	6.766	7.118	96.96%	10.090	≤ 10.99	Pass
11ac-VHT20	MCS0	100	5500	7.184	7.527	96.96%	10.503	≤ 10.99	Pass
11ac-VHT20	MCS0	116	5580	7.170	6.994	96.96%	10.227	≤ 10.99	Pass
11ac-VHT20	MCS0	140	5700	7.173	6.888	96.96%	10.177	≤ 10.99	Pass
11ac-VHT20	MCS0	144	5720	6.519	6.485	96.96%	9.646	≤ 10.99	Pass
11ac-VHT40	MCS0	38	5190	4.184	4.179	96.94%	7.327	≤ 16.99	Pass
11ac-VHT40	MCS0	46	5230	8.492	7.824	96.94%	11.316	≤ 16.99	Pass
11ac-VHT40	MCS0	54	5270	4.632	4.414	96.94%	7.670	≤ 10.99	Pass
11ac-VHT40	MCS0	62	5310	4.767	4.850	96.94%	7.954	≤ 10.99	Pass
11ac-VHT40	MCS0	102	5510	1.139	1.916	96.94%	4.690	≤ 10.99	Pass
11ac-VHT40	MCS0	110	5550	3.972	4.426	96.94%	7.350	≤ 10.99	Pass
11ac-VHT40	MCS0	134	5670	3.955	4.587	96.94%	7.428	≤ 10.99	Pass
11ac-VHT40	MCS0	142	5710	4.552	4.081	96.94%	7.468	≤ 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	0.442	-0.063	98.72%	3.263	≤ 16.99	Pass
11ac-VHT80	MCS0	58	5290	0.684	0.589	98.72%	3.703	≤ 10.99	Pass
11ac-VHT80	MCS0	106	5530	0.390	-0.596	98.72%	2.991	≤ 10.99	Pass
11ac-VHT80	MCS0	122	5610	0.988	1.201	98.72%	4.162	≤ 10.99	Pass
11ac-VHT80	MCS0	138	5690	1.257	1.020	98.72%	4.206	≤ 10.99	Pass
11ac-VHT160	MCS0	50	5250	-3.323	-4.140	99.27%	-0.670	≤ 10.99	Pass
11ac-VHT160	MCS0	114	5570	-4.685	-4.539	99.27%	-1.569	≤ 10.99	Pass
11ax-HE20	MCS0	36	5180	6.720	7.119	97.48%	10.045	≤ 16.99	Pass
11ax-HE20	MCS0	44	5220	10.573	10.432	97.48%	13.624	≤ 16.99	Pass
11ax-HE20	MCS0	48	5240	10.373	10.291	97.48%	13.453	≤ 16.99	Pass
11ax-HE20	MCS0	52	5260	6.979	7.112	97.48%	10.167	≤ 10.99	Pass
11ax-HE20	MCS0	60	5300	6.797	6.869	97.48%	9.954	≤ 10.99	Pass
11ax-HE20	MCS0	64	5320	7.169	6.998	97.48%	10.205	≤ 10.99	Pass
11ax-HE20	MCS0	100	5500	7.020	7.482	97.48%	10.378	≤ 10.99	Pass
11ax-HE20	MCS0	116	5580	6.997	6.943	97.48%	10.091	≤ 10.99	Pass
11ax-HE20	MCS0	140	5700	5.382	5.581	97.48%	8.604	≤ 10.99	Pass
11ax-HE20	MCS0	144	5720	6.308	6.274	97.48%	9.412	≤ 10.99	Pass
11ax-HE40	MCS0	38	5190	4.130	3.865	98.19%	7.089	≤ 16.99	Pass
11ax-HE40	MCS0	46	5230	7.930	7.960	98.19%	11.035	≤ 16.99	Pass
11ax-HE40	MCS0	54	5270	4.493	3.975	98.19%	7.331	≤ 10.99	Pass
11ax-HE40	MCS0	62	5310	4.731	4.518	98.19%	7.715	≤ 10.99	Pass
11ax-HE40	MCS0	102	5510	0.941	1.470	98.19%	4.303	≤ 10.99	Pass
11ax-HE40	MCS0	110	5550	4.517	4.050	98.19%	7.379	≤ 10.99	Pass
11ax-HE40	MCS0	134	5670	4.325	4.307	98.19%	7.406	≤ 10.99	Pass
11ax-HE40	MCS0	142	5710	4.601	3.836	98.19%	7.325	≤ 10.99	Pass
11ax-HE80	MCS0	42	5210	0.282	0.119	99.09%	3.251	≤ 16.99	Pass
11ax-HE80	MCS0	58	5290	0.944	0.320	99.09%	3.693	≤ 10.99	Pass
11ax-HE80	MCS0	106	5530	0.558	-0.162	99.09%	3.263	≤ 10.99	Pass
11ax-HE80	MCS0	122	5610	1.237	1.128	99.09%	4.233	≤ 10.99	Pass
11ax-HE80	MCS0	122	5690	1.380	1.191	99.09%	4.337	≤ 10.99	Pass
11ax-HE160	MCS0	50	5250	-3.749	-4.233	96.79%	-0.832	≤ 10.99	Pass
11ax-HE160	MCS0	114	5570	-4.936	-5.054	96.79%	-1.843	≤ 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	6.876	6.940	96.62%	10.068	≤ 16.99	Pass
11be-EHT20	MCS0	44	5220	10.644	10.551	96.62%	13.757	≤ 16.99	Pass
11be-EHT20	MCS0	48	5240	10.560	10.580	96.62%	13.730	≤ 16.99	Pass
11be-EHT20	MCS0	52	5260	6.831	6.663	96.62%	9.907	≤ 10.99	Pass
11be-EHT20	MCS0	60	5300	7.309	7.192	96.62%	10.411	≤ 10.99	Pass
11be-EHT20	MCS0	64	5320	7.301	7.021	96.62%	10.323	≤ 10.99	Pass
11be-EHT20	MCS0	100	5500	7.043	7.135	96.62%	10.249	≤ 10.99	Pass
11be-EHT20	MCS0	116	5580	7.016	6.454	96.62%	9.904	≤ 10.99	Pass
11be-EHT20	MCS0	140	5700	3.710	3.656	96.62%	6.843	≤ 10.99	Pass
11be-EHT20	MCS0	144	5720	6.742	6.374	96.62%	9.722	≤ 10.99	Pass
11be-EHT40	MCS0	38	5190	4.266	3.874	97.49%	7.195	≤ 16.99	Pass
11be-EHT40	MCS0	46	5230	7.891	7.583	97.49%	10.860	≤ 16.99	Pass
11be-EHT40	MCS0	54	5270	4.382	4.040	97.49%	7.335	≤ 10.99	Pass
11be-EHT40	MCS0	62	5310	3.987	3.776	97.49%	7.003	≤ 10.99	Pass
11be-EHT40	MCS0	102	5510	0.651	0.547	97.49%	3.720	≤ 10.99	Pass
11be-EHT40	MCS0	110	5550	3.922	4.182	97.49%	7.175	≤ 10.99	Pass
11be-EHT40	MCS0	134	5670	4.112	4.132	97.49%	7.243	≤ 10.99	Pass
11be-EHT40	MCS0	142	5710	4.014	3.975	97.49%	7.115	≤ 10.99	Pass
11be-EHT80	MCS0	42	5210	0.494	-0.021	98.02%	3.341	≤ 16.99	Pass
11be-EHT80	MCS0	58	5290	0.690	0.426	98.02%	3.657	≤ 10.99	Pass
11be-EHT80	MCS0	106	5530	0.303	-0.547	98.02%	2.996	≤ 10.99	Pass
11be-EHT80	MCS0	122	5610	1.144	1.354	98.02%	4.347	≤ 10.99	Pass
11be-EHT80	MCS0	138	5690	1.260	1.024	98.02%	4.241	≤ 10.99	Pass
11be-EHT160	MCS0	50	5250	-3.702	-4.228	98.02%	-0.860	≤ 10.99	Pass
11be-EHT160	MCS0	114	5570	-4.297	-4.465	98.02%	-1.283	≤ 10.99	Pass
11be-EHT240	MCS0	130	5650	-8.076	-7.894	98.91%	-4.926	≤ 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) = 17 - (6.01 - 6) = 16.99dBm/MHz.

For 5250 - 5350MHz and 5470 - 5725MHz Bands: PSD Limit (dBm/MHz) = 11 - (6.01 - 6) = 10.99dBm/MHz.

Product	BE11000 Tri-Band Wi-Fi 7 Range Extender	Test Engineer	Xuan
Test Site	SR6	Test Date	2024/2/6~2024/2/29
Test Item	Power Spectral Density (U-NII-3) CDD Mode		

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/510 KHz)	Ant 1 PSD (dBm/510 KHz)	Duty Cycle (%)	Total PSD (dBm/510k Hz)	Limit (dBm/500k Hz)	Result
11a	6Mbps	149	5745	7.783	7.802	98.45%	10.871	≤ 29.99	Pass
11a	6Mbps	157	5785	8.225	8.153	98.45%	11.267	≤ 29.99	Pass
11a	6Mbps	165	5825	8.208	7.850	98.45%	11.111	≤ 29.99	Pass
11ac-VHT20	MCS0	149	5745	7.338	7.377	96.96%	10.502	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	8.180	7.922	96.96%	11.197	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	7.820	7.765	96.96%	10.937	≤ 29.99	Pass
11ac-VHT40	MCS0	151	5755	5.239	5.218	96.94%	8.374	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	5.437	5.656	96.94%	8.693	≤ 29.99	Pass
11ac-VHT80	MCS0	155	5775	0.150	-0.051	98.72%	3.117	≤ 29.99	Pass
11ax-HE20	MCS0	149	5745	7.526	7.910	97.48%	10.843	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	7.739	8.113	97.48%	11.051	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	7.905	7.723	97.48%	10.936	≤ 29.99	Pass
11ax-HE40	MCS0	151	5755	5.128	5.224	98.19%	8.266	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	5.322	5.434	98.19%	8.468	≤ 29.99	Pass
11ax-HE80	MCS0	155	5775	0.502	0.255	99.09%	3.430	≤ 29.99	Pass
11be-EHT20	MCS0	149	5745	7.906	7.809	96.62%	11.017	≤ 29.99	Pass
11be-EHT20	MCS0	157	5785	7.813	7.854	96.62%	10.993	≤ 29.99	Pass
11be-EHT20	MCS0	165	5825	7.868	7.999	96.62%	11.094	≤ 29.99	Pass
11be-EHT40	MCS0	151	5755	5.076	4.867	97.49%	8.093	≤ 29.99	Pass
11be-EHT40	MCS0	159	5795	5.461	5.196	97.49%	8.451	≤ 29.99	Pass
11be-EHT80	MCS0	155	5775	0.347	0.826	98.02%	3.690	≤ 29.99	Pass

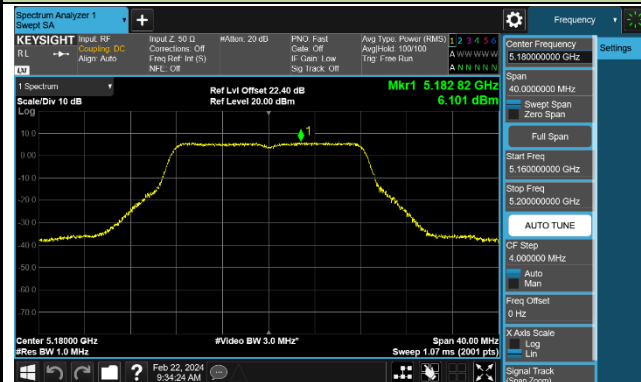
Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz).

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

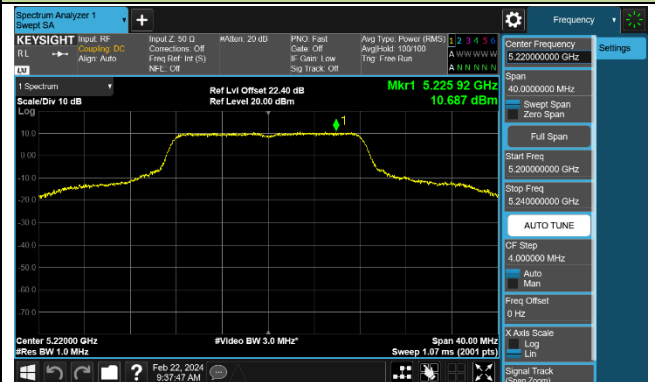
Note 2: PSD Limit (dBm/500kHz) = 30 - (6.01 - 6) = 29.99 (dBm/500kHz).

802.11a Power Spectral Density - Ant 0

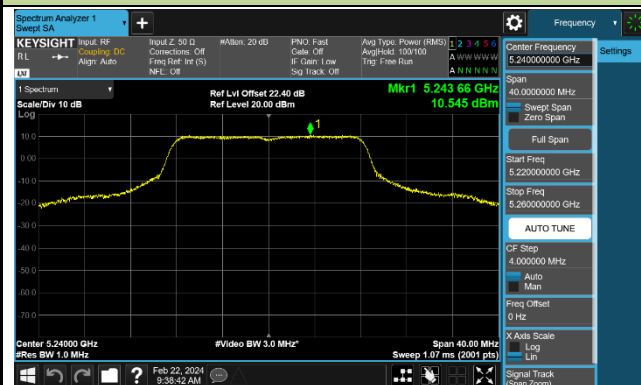
Channel 36 (5180MHz)



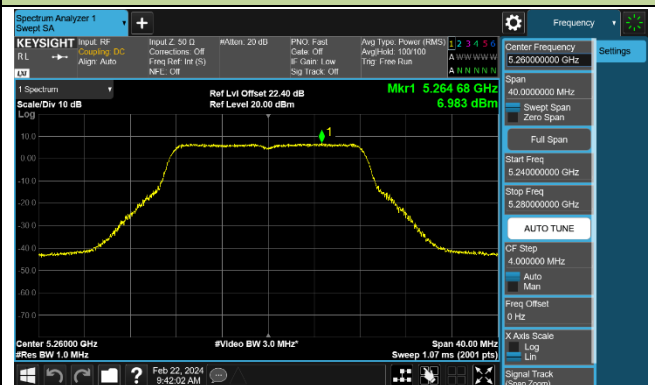
Channel 44 (5220MHz)



Channel 48 (5240MHz)



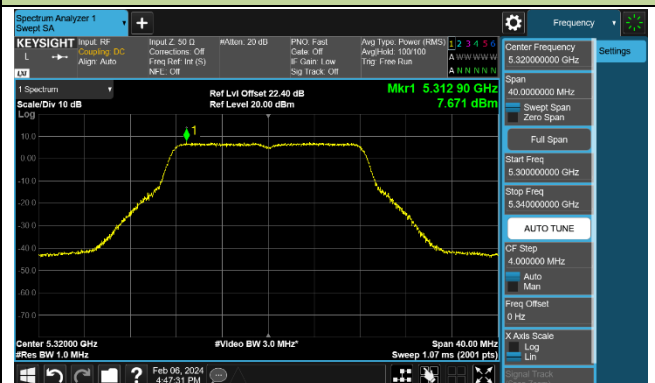
Channel 52 (5260MHz)



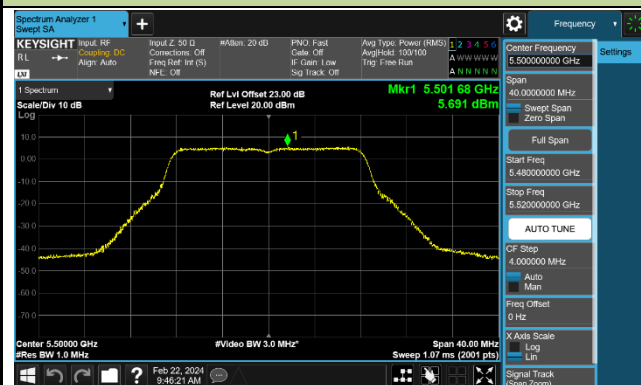
Channel 60 (5300MHz)



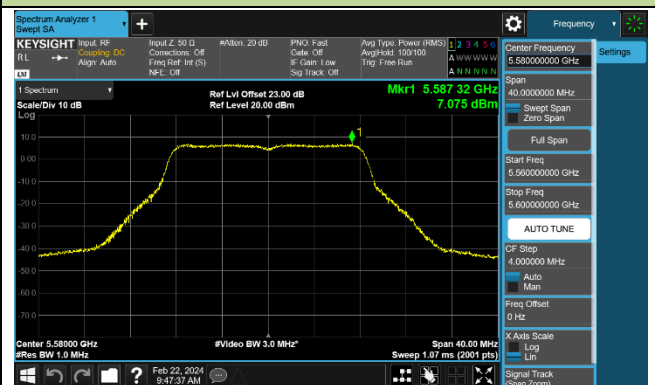
Channel 64 (5320MHz)



Channel 100 (5500MHz)

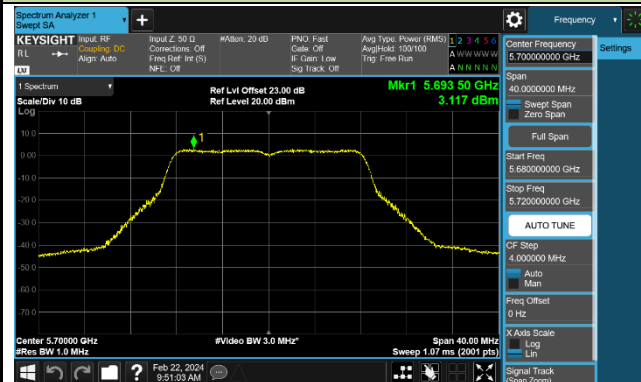


Channel 116 (5580MHz)

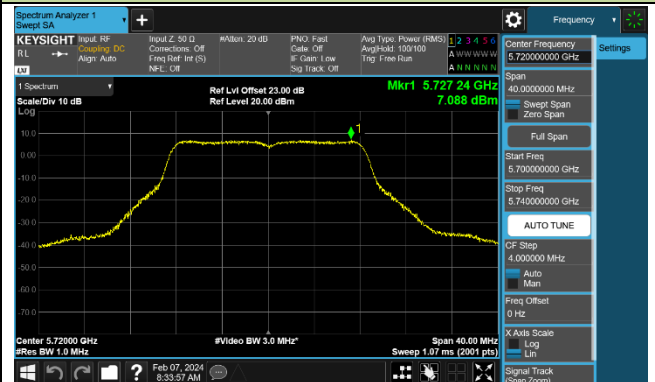


802.11a Power Spectral Density - Ant 0

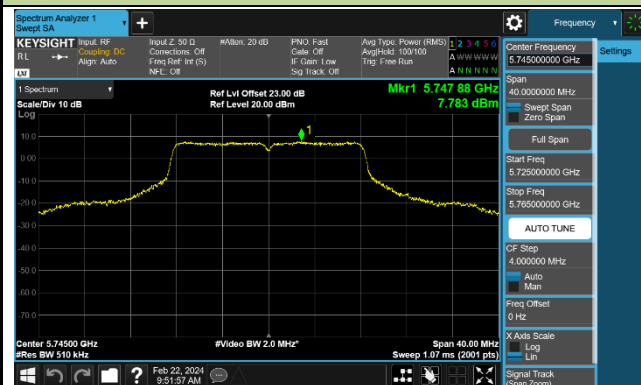
Channel 140 (5700MHz)



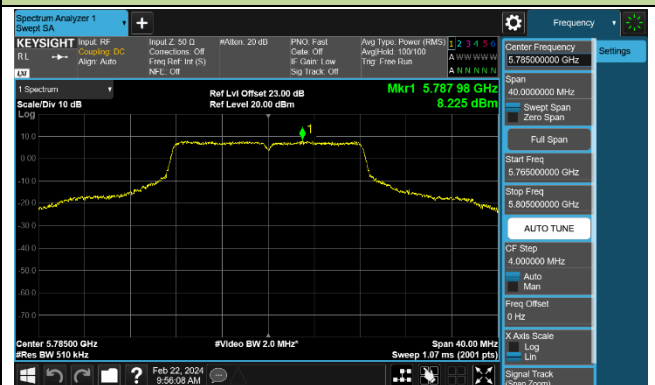
Channel 144 (5720MHz)



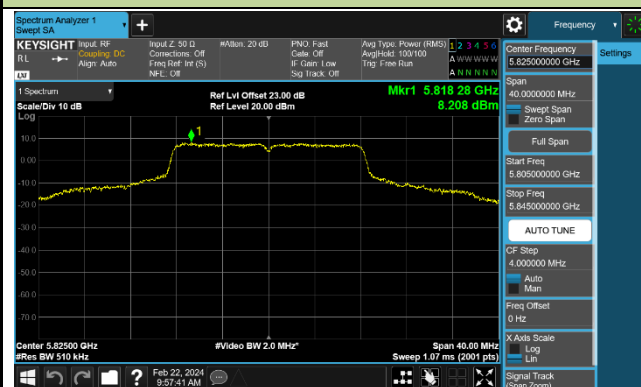
Channel 149 (5745MHz)



Channel 157 (5785MHz)

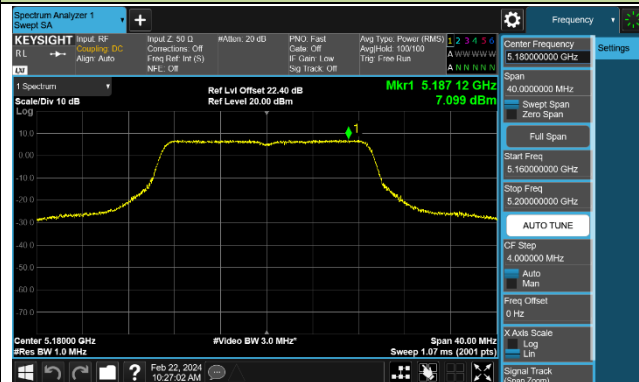


Channel 165 (5825MHz)

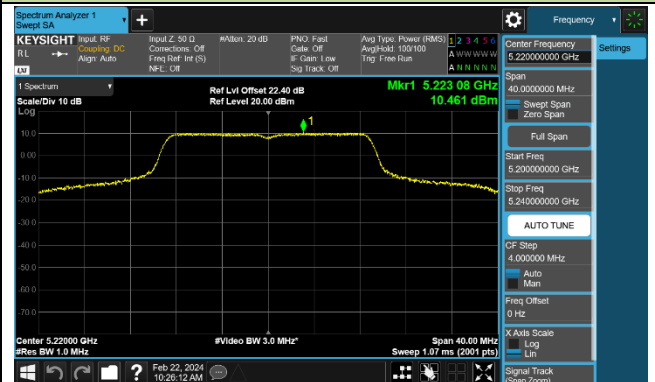


802.11ac-VHT20 Power Spectral Density - Ant 0

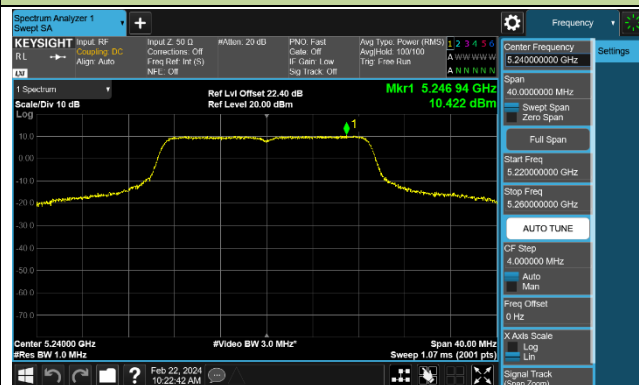
Channel 36 (5180MHz)



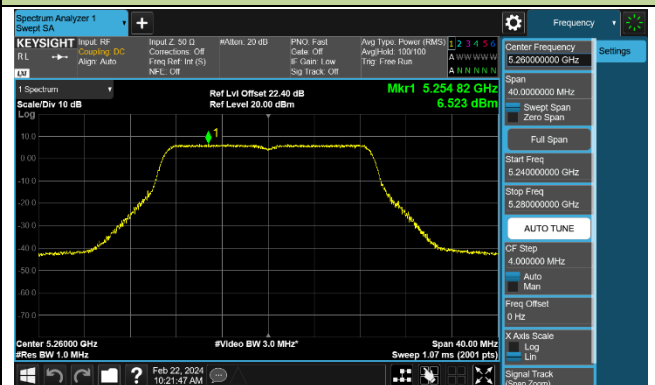
Channel 44 (5220MHz)



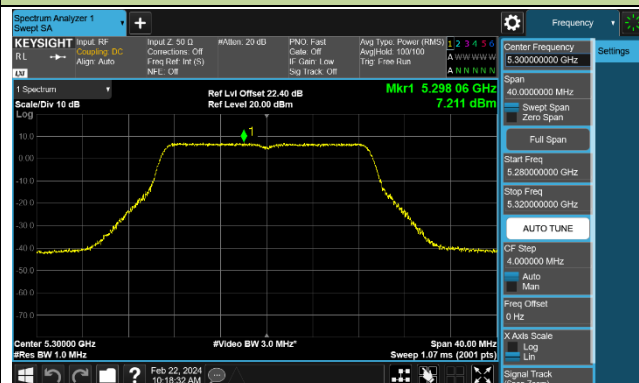
Channel 48 (5240MHz)



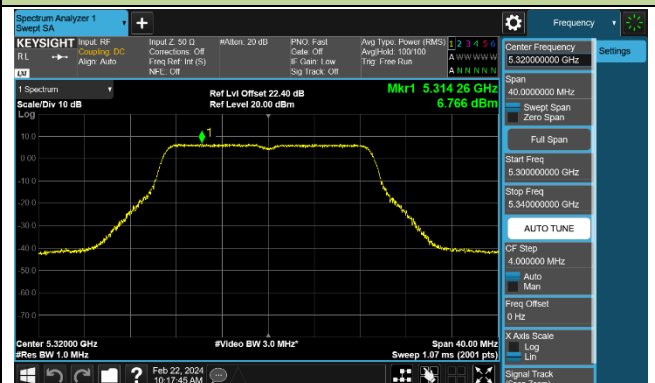
Channel 52 (5260MHz)



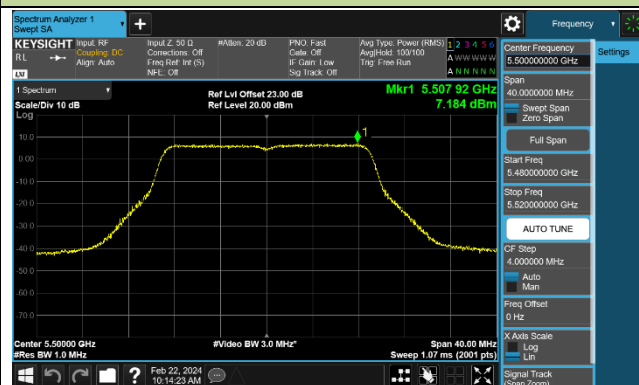
Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 116 (5580MHz)

