



MRT Technology (Suzhou) Co., Ltd
Phone: +86-512-66308358
Web: www.mrt-cert.com

Report No.: R25S1039058-J202
Report Version: V02
Issue Date: 2025-08-29

RF MEASUREMENT REPORT

Applicant: TP-Link Systems Inc.
Address: 10 Mauchly, Irvine, CA 92618
Product: BE3600 Wi-Fi 7 Range Extender
Model No.: RE235BE
Brand Name: tp-link
Product Category: Article 2, Paragraph 1, Item 19-3
Test Procedure: MIC Notice No.88 Annex 45
Result: Complies
Received Date: 2025-05-20
Test Date: 2025-05-22 ~ 2025-06-30

Reviewed By:



Kevin Guo

Approved By:



Robin Wu

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standards through the calibration of the equipment and evaluated measurement uncertainty herein.

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Revision History

Report No.	Version	Description	Issue Date	Note
R25S1039058-J202	V01	Initial Report	2025-08-11	Invalid
R25S1039058-J202	V02	Update Section 1.5 & 1.7 & 2.3 & 5.2.4 & 5.6.4 & 5.8.4	2025-08-29	Valid

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1.4. Product Information

Product Name	BE3600 Wi-Fi 7 Range Extender
Model No.	RE235BE
Brand Name	tp-link
EUT Identification No.	20250520Sample#06 (Conducted) 20250613Sample#02 (Carrier Sensing)
Wi-Fi Specification	802.11a/b/g/n/ac/ax/be
Antenna Specification	Refer to Section 1.7
Operating Temperature	0 ~ 40 °C
Power Type	AC 100-240V
Note: The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	W52: 5150 ~ 5250 MHz W53: 5250 ~ 5350 MHz W56: 5470 ~ 5725 MHz	
Type of Modulation	802.11a/n/ac: OFDM 802.11ax/be: OFDMA	
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2402Mbps 802.11be: up to 2882Mbps	
TPC Function	☒ Supported (See Note)	☐ Unsupported
Channel Puncturing Function	☐ Supported	☒ Unsupported
Support RU	☒ Full RU	☐ Partial RU

Note: The manufacturer declares the EUT supports the TPC mechanism to operate at least 3 dB below the average antenna power.

Declared Output Power			
Mode	W52 Band	W53 Band	W56 Band
20M System	5.0mW/MHz	5.0mW/MHz	10.0mW/MHz
40M System	3.0mW/MHz	3.0mW/MHz	5.0mW/MHz
80M System	2.0mW/MHz	2.0mW/MHz	2.5mW/MHz
160M System	1.0mW/MHz	1.0mW/MHz	1.25mW/MHz

1.6. Working Frequencies

802.11a/n-HT20/ac-VHT20/ax-HE20/be-EHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz	100	5500 MHz
104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz
128	5640 MHz	132	5660 MHz	136	5680 MHz
140	5700 MHz	144	5720 MHz	--	--

802.11n-HT40/ac-VHT40/ax-HE40/be-EHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550 MHz
118	5590 MHz	126	5630 MHz	134	5670 MHz
142	5710 MHz	--	--	--	--

802.11ac-VHT80/ax-HE80/be-EHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz
122	5610 MHz	138	5690 MHz	--	--

802.11ac-VHT160/ax-HE160/be-EHT160

Channel	Frequency	Channel	Frequency	Channel	Frequency
50	5250 MHz	114	5570 MHz	--	--

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Antenna Gain (dBi)		Beamforming Gain (dBi)
		Ant 0	Ant 1	
Wi-Fi Antenna (2.4GHz: 2T2R, 5GHz: 2T2R)				
Dipole Antenna	2400 ~ 2483.5	2.80	3.00	3.00
	5150 ~ 5250	2.91	3.00	3.00
	5250 ~ 5350	2.96	2.92	3.00
	5470 ~ 5725	3.00	2.98	3.00
Notes:				
1. The EUT supports Cyclic Delay Diversity (CDD) mode for 802.11a/b/g/n/ac/ax/be.				
2. The EUT also supports Beamforming mode for 802.11n/ac/ax/be, not include 802.11a/b/g.				
3. For Beamforming operation, the manufacturer declares the software automatically backs power down based on CDD power (Beamforming power is less than CDD power). Therefore, only the CDD mode was evaluated in this report.				
4. All antenna information is provided by the manufacturer.				

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit by 802.11a (6Mbps)
Mode 2: Transmit by 802.11ac-VHT20 (MCS0)
Mode 3: Transmit by 802.11ac-VHT40 (MCS0)
Mode 4: Transmit by 802.11ac-VHT80 (MCS0)
Mode 5: Transmit by 802.11ac-VHT160 (MCS0)
Mode 6: Transmit by 802.11ax-HE20 (MCS0)
Mode 7: Transmit by 802.11ax-HE40 (MCS0)
Mode 8: Transmit by 802.11ax-HE80 (MCS0)
Mode 9: Transmit by 802.11ax-HE160 (MCS0)
Mode 10: Transmit by 802.11be-EHT20 (MCS0)
Mode 11: Transmit by 802.11be-EHT40 (MCS0)
Mode 12: Transmit by 802.11be-EHT80 (MCS0)
Mode 13: Transmit by 802.11be-EHT160 (MCS0)
Mode 14: Receive by 802.11a
Mode 15: Receive by 802.11ac-VHT20
Mode 16: Receive by 802.11ac-VHT40
Mode 17: Receive by 802.11ac-VHT80
Mode 18: Receive by 802.11ac-VHT160
Mode 19: Receive by 802.11ax-HE20
Mode 20: Receive by 802.11ax-HE40
Mode 21: Receive by 802.11ax-HE80
Mode 22: Receive by 802.11ax-HE160
Mode 23: Receive by 802.11be-EHT20
Mode 24: Receive by 802.11be-EHT40
Mode 25: Receive by 802.11be-EHT80
Mode 26: Receive by 802.11be-EHT160
Note 1: 802.11n and 802.11ac have same modulation type and same power value declared by the manufacturer, and the data rate of 802.11n is covered by 802.11ac, so all tests were performed based on 802.11ac in this report.
Note 2: All modes of operation and data rates were investigated, so all RF test requirements shall be executed at the worst data rate.

2.2. Test Software

The test utility software used during testing was “accessMTool” and the version was 3.3.0.4.

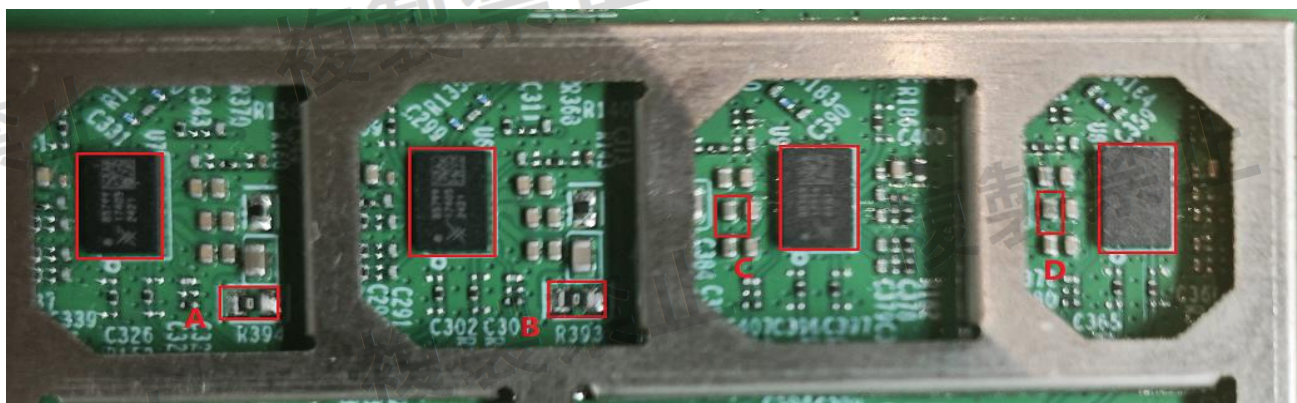
2.3. Test Condition

The change of the Measurement voltage at the radio part of the EUT is below $\pm 1\%$, when input voltage from external power supply to the equipment under test is varied by $\pm 10\%$, thus the RF test is tested at rated voltage only.

Test Site	WJ-SR3	Temperature	26.0 °C
Test Engineer	Simon Lu	Humidity	51.5 %RH
Test Date	2025-06-05		

Extreme Voltage	100V	90V	110V
Measure Voltage (A)	4.295	4.294	4.295
Tolerance (A)	--	-0.02%	0.00%
Measure Voltage (B)	4.295	4.295	4.296
Tolerance (B)	--	0.00%	0.02%
Measure Voltage (C)	4.296	4.295	4.296
Tolerance (C)	--	-0.02%	0.00%
Measure Voltage (D)	4.295	4.295	4.294
Tolerance (D)	--	0.00%	-0.02%

Note: The measured voltage point at the radio part of the EUT is as follows.



2.4. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- MIC Notice No.88 Annex 45
- Article 49-20 and the relevant articles of the Ordinance Regulating Radio Equipment
- ARIB STD-T71 v7.0

3. Measuring Instrument

Conducted Test Equipment (WJ-SR3)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Date	Cali. Due Date	Cali. Body	Cali. Method
Signal Analyzer	Keysight	N9020B	MRTSUE07037	1 year	2024-09-04	2025-09-03	Ceprei	c
Digital Multimeter	Fluke	17B	MRTSUE11351	1 year	2024-06-25	2025-06-24	Ceprei	c
Digital Multimeter	Fluke	17B	MRTSUE11351	1 year	2025-06-09	2026-06-08	Ceprei	c
Thermohygrometer	testo	608-H1	MRTSUE11331	1 year	2024-06-25	2025-06-24	Ceprei	c
Thermohygrometer	testo	608-H1	MRTSUE11331	1 year	2025-06-06	2026-06-05	Ceprei	c
Shielding Room	TDK	WJ-SR3	MRTSUE07125	N/A	N/A	N/A	N/A	N/A

Conducted Test Equipment (WJ-SR7)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Date	Cali. Due Date	Cali. Body	Cali. Method
Signal Analyzer	Keysight	N9042B	MRTSUE07260	1 year	2024-11-13	2025-11-12	Ceprei	c
Signal Generator	Keysight	N5182B	MRTSUE06993	1 year	2024-07-19	2025-07-18	Ceprei	c
Thermohygrometer	testo	608-H1	MRTSUE11337	1 year	2024-06-25	2025-06-24	Ceprei	c
Thermohygrometer	testo	608-H1	MRTSUE11337	1 year	2025-06-06	2026-06-05	Ceprei	c
Shielding Room	TDK	WJ-SR7	MRTSUE07129	N/A	N/A	N/A	N/A	N/A

Note: All the above test equipment was used and kept valid calibration period during the testing.

Calibration Method:

- Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph.
- Correction conducted pursuant to the previous of Article 135 or Article 144 of the measurement Law (Law No. 51 of 1992), Japan calibration Service System.
- Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph.

4. Decision Rules and Measurement Uncertainty

4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.

(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.2. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Spurious Emissions, Conducted	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	2.5dB
Output Power	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	2.5dB
Occupied Bandwidth	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	3.2%
Adjacent Channel Emitted Power	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	1.5dB

5. Test Result

5.1. Summary

ORRE Reference	Test Description	Test Condition	Test Result
Article 49-20	Antenna Power	Conducted	Pass
Article 14	Antenna Power Tolerance		Pass
Article 49-20	EIRP		Pass
Article 6	Occupied Bandwidth		Pass
Article 5	Frequency Tolerance		Pass
Article 49-20	Adjacent Channel Emitted Power		Pass
Article 7	Unwanted Emission Strength		Pass
Article 24.2	Secondary Radiated Emissions Strength		Pass
Article 49-20	Carrier Sensing		Pass
Article 49-20	Transmission Burst Length		Pass
Article 49-20	Dynamic Frequency Selection (DFS)		Pass ^{Note 3}
Article 9-4 5	Interference Prevention Function	Radiated	Pass

Notes:

- 1) The analyzer plots shown in this section were captured using a correction table to account for cable and attenuator losses in the system connecting the EUT to the analyzer across relevant frequencies.
- 2) For test items "Adjacent Channel Emitted Power" & "Unwanted Emission Strength" & "Secondary Radiated Emissions Strength" & "Carrier Sensing" & "Transmission Burst Length" & "Dynamic Frequency Selection (DFS)", we used the combiner to perform testing.
- 3) DFS report refer to R25S1039058-J203.
- 4) ORRE: Ordinance Regulating Radio Equipment.

5.2. Antenna Power, Antenna Power Tolerance and EIRP Measurement

5.2.1. Test Limit

Limit for Antenna Power, Output Power Tolerance, EIRP			
W52 and W53 Bands			
Test Bandwidth (MHz)	Antenna Power (mW/MHz)	Output Power Tolerance (%)	EIRP (mW/MHz)
20	10	+20 ~ -80	10
40	5	+20 ~ -80	5
80	2.5	+20 ~ -80	2.5
160	1.25	+20 ~ -80	1.25
W56 Band			
Test Bandwidth (MHz)	Antenna Power (mW/MHz)	Output Power Tolerance (%)	EIRP (mW/MHz)
20	10	+50 ~ -50	50
40	5	+50 ~ -50	25
80	2.5	+50 ~ -50	12.5
160	1.25	+50 ~ -50	6.25

5.2.2. Test Procedure

Option A

- a) Set the spectrum analyzer as follows when searching for the frequency that gives the maximum antenna power
 1. Set instrument center frequency to the channel center frequency
 2. Set span to about 2 times the OBW
 3. RBW = 1MHz
 4. VBW = 3MHz
 5. Set sweep time to minimum time for guaranteed measurement accuracy
 6. Trigger condition = free run
 7. Sweep mode = continuous sweep
 8. Detection mode = positive peak
 9. Display mode = max hold
- b) Set the spectrum analyzer as follows when measuring the antenna power
 1. Set center frequency to the frequency that gives the maximum power
 2. Set span to 0Hz

3. RBW = 1MHz
4. VBW = 1MHz
5. Sweep mode = continuous sweep
- c) Connect the high frequency power meter to the IF output terminal of the spectrum analyzer and then record the result

Option B

- a) When searching for the frequency that gives the maximum antenna power, the setting is same as Annex 43.
- b) Set the spectrum analyzer as follows when measuring the antenna power
 1. Make the spectrum analyzer into channel power function mode
 2. Set center frequency to the frequency that gives the maximum antenna power
 3. Set span to about 2 times the OBW
 4. RBW = 1MHz
 5. VBW = 1MHz
 6. Set integral bandwidth = 1MHz
 7. Sweep mode = continuous sweep
 8. Detection mode = RMS
 9. Display mode = Trace Average
- c) Record the channel power of integral bandwidth

Note: The two test methods (Option A and Option B) are compared, the Measurement values are close.

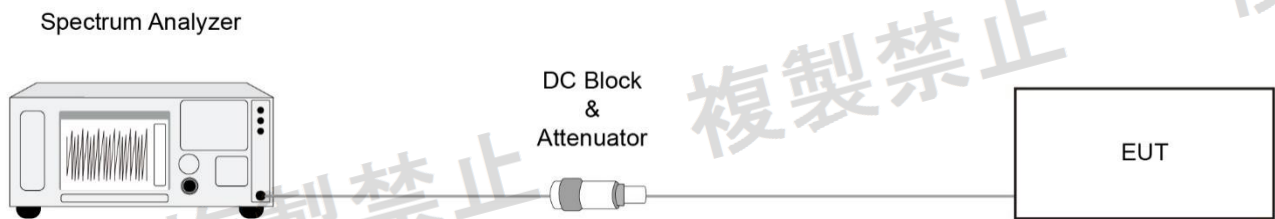
We choose option B for power testing

5.2.3. Test Setup

Option A



Option B



5.2.4. Test Result

Test Site	WJ-SR3	Temperature	24.8 ~ 26.9 °C
Test Engineer	Ellie Wang	Humidity	48.7 ~ 64.8 %RH
Test Date	2025-05-22 ~ 2025-05-26	Test Item	Output Power

Test Mode	Frequency (MHz)	Output Power (dBm/MHz)		Total Output Power (dBm/MHz)	Total Output Power (mW/MHz)	Limit (mW/MHz)	Result
		Ant 0	Ant 1				
11a	5180	3.81	3.78	6.81	4.79	≤ 10.00	Pass
	5220	4.06	3.81	6.95	4.95	≤ 10.00	Pass
	5240	3.82	4.04	6.94	4.95	≤ 10.00	Pass
	5260	3.73	4.16	6.96	4.97	≤ 10.00	Pass
	5300	3.83	3.86	6.86	4.85	≤ 10.00	Pass
	5320	3.86	4.03	6.96	4.96	≤ 10.00	Pass
	5500	6.51	7.22	9.89	9.75	≤ 10.00	Pass
	5600	6.67	7.24	9.97	9.94	≤ 10.00	Pass
	5700	6.60	7.08	9.86	9.68	≤ 10.00	Pass
	5720	7.11	6.82	9.98	9.95	≤ 10.00	Pass
11ac-VHT20	5180	3.86	3.90	6.89	4.89	≤ 10.00	Pass
	5220	3.79	3.73	6.77	4.75	≤ 10.00	Pass
	5240	3.83	3.71	6.78	4.77	≤ 10.00	Pass
	5260	3.81	3.89	6.86	4.85	≤ 10.00	Pass
	5300	3.88	4.11	7.01	5.02	≤ 10.00	Pass
	5320	3.90	4.04	6.98	4.99	≤ 10.00	Pass
	5500	6.56	6.97	9.78	9.51	≤ 10.00	Pass
	5600	6.76	6.97	9.88	9.72	≤ 10.00	Pass
	5700	6.59	7.09	9.86	9.68	≤ 10.00	Pass
	5720	6.60	6.97	9.80	9.55	≤ 10.00	Pass
11ac-VHT40	5190	1.08	0.54	3.83	2.41	≤ 5.00	Pass
	5230	1.01	0.76	3.90	2.45	≤ 5.00	Pass
	5270	0.49	1.28	3.91	2.46	≤ 5.00	Pass
	5310	0.47	1.12	3.82	2.41	≤ 5.00	Pass
	5510	3.37	4.11	6.77	4.75	≤ 5.00	Pass
	5590	3.62	4.02	6.83	4.82	≤ 5.00	Pass
	5670	3.56	4.18	6.89	4.89	≤ 5.00	Pass
	5710	3.57	4.22	6.92	4.92	≤ 5.00	Pass

Test Mode	Frequency (MHz)	Output Power (dBm/MHz)		Total Output Power (dBm/MHz)	Total Output Power (mW/MHz)	Limit (mW/MHz)	Result
		Ant 0	Ant 1				
11ac-VHT80	5210	-2.13	-2.45	0.72	1.18	≤ 2.50	Pass
	5290	-2.43	-2.04	0.78	1.20	≤ 2.50	Pass
	5530	0.69	1.13	3.93	2.47	≤ 2.50	Pass
	5610	0.62	1.19	3.92	2.47	≤ 2.50	Pass
	5690	0.24	1.42	3.88	2.44	≤ 2.50	Pass
11ac-VHT160	5250	-5.26	-5.19	-2.21	0.60	≤ 1.25	Pass
	5570	-2.77	-1.62	0.85	1.22	≤ 1.25	Pass
11ax-HE20	5180	4.05	3.77	6.92	4.92	≤ 10.00	Pass
	5220	3.75	3.76	6.77	4.75	≤ 10.00	Pass
	5240	3.75	3.62	6.70	4.67	≤ 10.00	Pass
	5260	3.61	3.88	6.76	4.74	≤ 10.00	Pass
	5300	3.84	3.79	6.83	4.81	≤ 10.00	Pass
	5320	3.78	4.00	6.90	4.90	≤ 10.00	Pass
	5500	6.42	7.04	9.75	9.44	≤ 10.00	Pass
	5600	6.59	6.97	9.79	9.54	≤ 10.00	Pass
	5700	6.72	7.15	9.95	9.89	≤ 10.00	Pass
	5720	6.58	6.95	9.78	9.50	≤ 10.00	Pass
11ax-HE40	5190	0.78	0.74	3.77	2.38	≤ 5.00	Pass
	5230	1.01	0.79	3.91	2.46	≤ 5.00	Pass
	5270	0.58	1.20	3.91	2.46	≤ 5.00	Pass
	5310	0.35	1.37	3.90	2.45	≤ 5.00	Pass
	5510	3.66	3.76	6.72	4.70	≤ 5.00	Pass
	5590	3.92	4.04	6.99	5.00	≤ 5.00	Pass
	5670	3.63	3.91	6.78	4.77	≤ 5.00	Pass
	5710	3.63	4.17	6.92	4.92	≤ 5.00	Pass
11ax-HE80	5210	-2.46	-2.11	0.73	1.18	≤ 2.50	Pass
	5290	-2.28	-2.22	0.76	1.19	≤ 2.50	Pass
	5530	0.65	1.12	3.90	2.46	≤ 2.50	Pass
	5610	1.00	0.75	3.89	2.45	≤ 2.50	Pass
	5690	0.96	0.88	3.93	2.47	≤ 2.50	Pass
11ax-HE160	5250	-5.56	-4.96	-2.24	0.60	≤ 1.25	Pass
	5570	-2.70	-1.72	0.83	1.21	≤ 1.25	Pass

Test Mode	Frequency (MHz)	Output Power (dBm/MHz)		Total Output Power (dBm/MHz)	Total Output Power (mW/MHz)	Limit (mW/MHz)	Result
		Ant 0	Ant 1				
11be-EHT20	5180	3.71	3.78	6.76	4.74	≤ 10.00	Pass
	5220	3.96	3.71	6.85	4.84	≤ 10.00	Pass
	5240	3.89	3.91	6.91	4.91	≤ 10.00	Pass
	5260	3.83	4.16	7.01	5.02	≤ 10.00	Pass
	5300	3.86	3.95	6.92	4.92	≤ 10.00	Pass
	5320	3.99	3.92	6.97	4.97	≤ 10.00	Pass
	5500	6.54	6.95	9.76	9.46	≤ 10.00	Pass
	5600	7.04	6.90	9.98	9.96	≤ 10.00	Pass
	5700	6.45	7.04	9.77	9.47	≤ 10.00	Pass
	5720	6.76	7.05	9.92	9.81	≤ 10.00	Pass
11be-EHT40	5190	0.91	0.91	3.92	2.47	≤ 5.00	Pass
	5230	1.07	0.71	3.90	2.46	≤ 5.00	Pass
	5270	0.67	1.11	3.91	2.46	≤ 5.00	Pass
	5310	0.51	1.10	3.83	2.41	≤ 5.00	Pass
	5510	3.72	4.08	6.91	4.91	≤ 5.00	Pass
	5590	3.44	4.25	6.87	4.87	≤ 5.00	Pass
	5670	3.66	4.08	6.89	4.88	≤ 5.00	Pass
	5710	3.72	3.73	6.74	4.72	≤ 5.00	Pass
11be-EHT80	5210	-2.05	-2.38	0.80	1.20	≤ 2.50	Pass
	5290	-2.32	-2.07	0.82	1.21	≤ 2.50	Pass
	5530	0.54	1.16	3.87	2.44	≤ 2.50	Pass
	5610	0.38	1.25	3.85	2.42	≤ 2.50	Pass
	5690	0.63	1.09	3.88	2.44	≤ 2.50	Pass
11be-EHT160	5250	-5.34	-5.15	-2.23	0.60	≤ 1.25	Pass
	5570	-2.26	-2.23	0.77	1.19	≤ 1.25	Pass

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

Note 2: Total Output Power (mW/MHz) = $10^{[\text{Total Output Power (dBm/MHz)}/10]}$.

Test Site	WJ-SR3	Temperature	24.8 ~ 26.9 °C
Test Engineer	Ellie Wang	Humidity	48.7 ~ 64.8 %RH
Test Date	2025-05-22 ~ 2025-05-26	Test Item	Output Power Tolerance

Test Mode	Frequency (MHz)	Total Output Power (mW/MHz)	Declared Output Power (mW/MHz)	Tolerance (%)	Limit (%)	Result
11a	5180	4.79	5.00	-4.20	+20~-80	Pass
	5220	4.95	5.00	-1.00	+20~-80	Pass
	5240	4.95	5.00	-1.00	+20~-80	Pass
	5260	4.97	5.00	-0.60	+20~-80	Pass
	5300	4.85	5.00	-3.00	+20~-80	Pass
	5320	4.96	5.00	-0.80	+20~-80	Pass
	5500	9.75	10.00	-2.50	+50~-50	Pass
	5600	9.94	10.00	-0.60	+50~-50	Pass
	5700	9.68	10.00	-3.20	+50~-50	Pass
	5720	9.95	10.00	-0.50	+50~-50	Pass
11ac-VHT20	5180	4.89	5.00	-2.20	+20~-80	Pass
	5220	4.75	5.00	-5.00	+20~-80	Pass
	5240	4.77	5.00	-4.60	+20~-80	Pass
	5260	4.85	5.00	-3.00	+20~-80	Pass
	5300	5.02	5.00	0.40	+20~-80	Pass
	5320	4.99	5.00	-0.20	+20~-80	Pass
	5500	9.51	10.00	-4.90	+50~-50	Pass
	5600	9.72	10.00	-2.80	+50~-50	Pass
	5700	9.68	10.00	-3.20	+50~-50	Pass
	5720	9.55	10.00	-4.50	+50~-50	Pass
11ac-VHT40	5190	2.41	3.00	-19.67	+20~-80	Pass
	5230	2.45	3.00	-18.33	+20~-80	Pass
	5270	2.46	3.00	-18.00	+20~-80	Pass
	5310	2.41	3.00	-19.67	+20~-80	Pass
	5510	4.75	5.00	-5.00	+50~-50	Pass
	5590	4.82	5.00	-3.60	+50~-50	Pass
	5670	4.89	5.00	-2.20	+50~-50	Pass
	5710	4.92	5.00	-1.60	+50~-50	Pass

Test Mode	Frequency (MHz)	Total Output Power (mW/MHz)	Declared Output Power (mW/MHz)	Tolerance (%)	Limit (%)	Result
11ac-VHT80	5210	1.18	2.00	-41.00	+20~-80	Pass
	5290	1.20	2.00	-40.00	+20~-80	Pass
	5530	2.47	2.50	-1.20	+50~-50	Pass
	5610	2.47	2.50	-1.20	+50~-50	Pass
	5690	2.44	2.50	-2.40	+50~-50	Pass
11ac-VHT160	5250	0.60	1.00	-40.00	+20~-80	Pass
	5570	1.22	1.25	-2.40	+50~-50	Pass
11ax-HE20	5180	4.92	5.00	-1.60	+20~-80	Pass
	5220	4.75	5.00	-5.00	+20~-80	Pass
	5240	4.67	5.00	-6.60	+20~-80	Pass
	5260	4.74	5.00	-5.20	+20~-80	Pass
	5300	4.81	5.00	-3.80	+20~-80	Pass
	5320	4.90	5.00	-2.00	+20~-80	Pass
	5500	9.44	10.00	-5.60	+50~-50	Pass
	5600	9.54	10.00	-4.60	+50~-50	Pass
	5700	9.89	10.00	-1.10	+50~-50	Pass
	5720	9.50	10.00	-5.00	+50~-50	Pass
11ax-HE40	5190	2.38	3.00	-20.67	+20~-80	Pass
	5230	2.46	3.00	-18.00	+20~-80	Pass
	5270	2.46	3.00	-18.00	+20~-80	Pass
	5310	2.45	3.00	-18.33	+20~-80	Pass
	5510	4.70	5.00	-6.00	+50~-50	Pass
	5590	5.00	5.00	0.00	+50~-50	Pass
	5670	4.77	5.00	-4.60	+50~-50	Pass
	5710	4.92	5.00	-1.60	+50~-50	Pass
11ax-HE80	5210	1.18	2.00	-41.00	+20~-80	Pass
	5290	1.19	2.00	-40.50	+20~-80	Pass
	5530	2.46	2.50	-1.60	+50~-50	Pass
	5610	2.45	2.50	-2.00	+50~-50	Pass
	5690	2.47	2.50	-1.20	+50~-50	Pass
11ax-HE160	5250	0.60	1.00	-40.00	+20%~-80	Pass
	5570	1.21	1.25	-3.20	+50%~-50	Pass

Test Mode	Frequency (MHz)	Total Output Power (mW/MHz)	Declared Output Power (mW/MHz)	Tolerance (%)	Limit (%)	Result
11be-EHT20	5180	4.74	5.00	-5.20	+20%~-80	Pass
	5220	4.84	5.00	-3.20	+20%~-80	Pass
	5240	4.91	5.00	-1.80	+20%~-80	Pass
	5260	5.02	5.00	0.40	+20%~-80	Pass
	5300	4.92	5.00	-1.60	+20%~-80	Pass
	5320	4.97	5.00	-0.60	+20%~-80	Pass
	5500	9.46	10.00	-5.40	+50%~-50	Pass
	5600	9.96	10.00	-0.40	+50%~-50	Pass
	5700	9.47	10.00	-5.30	+50%~-50	Pass
	5720	9.81	10.00	-1.90	+50%~-50	Pass
11be-EHT40	5190	2.47	3.00	-17.67	+20%~-80	Pass
	5230	2.46	3.00	-18.00	+20%~-80	Pass
	5270	2.46	3.00	-18.00	+20%~-80	Pass
	5310	2.41	3.00	-19.67	+20%~-80	Pass
	5510	4.91	5.00	-1.80	+50%~-50	Pass
	5590	4.87	5.00	-2.60	+50%~-50	Pass
	5670	4.88	5.00	-2.40	+50%~-50	Pass
	5710	4.72	5.00	-5.60	+50%~-50	Pass
11be-EHT80	5210	1.20	2.00	-40.00	+20%~-80	Pass
	5290	1.21	2.00	-39.50	+20%~-80	Pass
	5530	2.44	2.50	-2.40	+50%~-50	Pass
	5610	2.42	2.50	-3.20	+50%~-50	Pass
	5690	2.44	2.50	-2.40	+50%~-50	Pass
11be-EHT160	5250	0.60	1.00	-40.00	+20%~-80	Pass
	5570	1.19	1.25	-4.80	+50%~-50	Pass

Note: Tolerance (%) = (Total Output Power (mW/MHz) - Declared Output Power (mW/MHz)) / Declared Output Power (mW/MHz) * 100%.

Test Site	WJ-SR3	Temperature	24.8 ~ 26.9 °C
Test Engineer	Ellie Wang	Humidity	48.7 ~ 64.8 %RH
Test Date	2025-05-22 ~ 2025-05-26	Test Item	EIRP

Test Mode	Frequency (MHz)	Total Output Power (dBm/MHz)	EIRP (dBm/MHz)	EIRP (mW/MHz)	Limit (mW/MHz)	Result
11a	5180	6.81	9.81	9.56	≤ 10.00	Pass
	5220	6.95	9.95	9.88	≤ 10.00	Pass
	5240	6.94	9.94	9.87	≤ 10.00	Pass
	5260	6.96	9.92	9.82	≤ 10.00	Pass
	5300	6.86	9.82	9.58	≤ 10.00	Pass
	5320	6.96	9.92	9.81	≤ 10.00	Pass
	5500	9.89	12.89	19.45	≤ 50.00	Pass
	5600	9.97	12.97	19.84	≤ 50.00	Pass
	5700	9.86	12.86	19.31	≤ 50.00	Pass
	5720	9.98	12.98	19.85	≤ 50.00	Pass
11ac-VHT20	5180	6.89	9.89	9.75	≤ 10.00	Pass
	5220	6.77	9.77	9.49	≤ 10.00	Pass
	5240	6.78	9.78	9.51	≤ 10.00	Pass
	5260	6.86	9.82	9.60	≤ 10.00	Pass
	5300	7.01	9.97	9.92	≤ 10.00	Pass
	5320	6.98	9.94	9.86	≤ 10.00	Pass
	5500	9.78	12.78	18.97	≤ 50.00	Pass
	5600	9.88	12.88	19.39	≤ 50.00	Pass
	5700	9.86	12.86	19.31	≤ 50.00	Pass
	5720	9.80	12.80	19.05	≤ 50.00	Pass
11ac-VHT40	5190	3.83	6.83	4.82	≤ 5.00	Pass
	5230	3.90	6.90	4.89	≤ 5.00	Pass
	5270	3.91	6.87	4.87	≤ 5.00	Pass
	5310	3.82	6.78	4.76	≤ 5.00	Pass
	5510	6.77	9.77	9.48	≤ 25.00	Pass
	5590	6.83	9.83	9.63	≤ 25.00	Pass
	5670	6.89	9.89	9.75	≤ 25.00	Pass
	5710	6.92	9.92	9.81	≤ 25.00	Pass

Test Mode	Frequency (MHz)	Total Output Power (dBm/MHz)	EIRP (dBm/MHz)	EIRP (mW/MHz)	Limit (mW/MHz)	Result
11ac-VHT80	5210	0.72	3.72	2.36	≤ 2.50	Pass
	5290	0.78	3.74	2.37	≤ 2.50	Pass
	5530	3.93	6.93	4.93	≤ 12.50	Pass
	5610	3.92	6.92	4.93	≤ 12.50	Pass
	5690	3.88	6.88	4.88	≤ 12.50	Pass
11ac-VHT160	5250	-2.21	0.79	1.20	≤ 1.25	Pass
	5570	0.85	3.85	2.43	≤ 6.25	Pass
11ax-HE20	5180	6.92	9.92	9.82	≤ 10.00	Pass
	5220	6.77	9.77	9.47	≤ 10.00	Pass
	5240	6.70	9.70	9.32	≤ 10.00	Pass
	5260	6.76	9.72	9.37	≤ 10.00	Pass
	5300	6.83	9.79	9.52	≤ 10.00	Pass
	5320	6.90	9.86	9.69	≤ 10.00	Pass
	5500	9.75	12.75	18.84	≤ 50.00	Pass
	5600	9.79	12.79	19.03	≤ 50.00	Pass
	5700	9.95	12.95	19.73	≤ 50.00	Pass
	5720	9.78	12.78	18.96	≤ 50.00	Pass
11ax-HE40	5190	3.77	6.77	4.75	≤ 5.00	Pass
	5230	3.91	6.91	4.91	≤ 5.00	Pass
	5270	3.91	6.87	4.87	≤ 5.00	Pass
	5310	3.90	6.86	4.85	≤ 5.00	Pass
	5510	6.72	9.72	9.38	≤ 25.00	Pass
	5590	6.99	9.99	9.98	≤ 25.00	Pass
	5670	6.78	9.78	9.51	≤ 25.00	Pass
	5710	6.92	9.92	9.81	≤ 25.00	Pass
11ax-HE80	5210	0.73	3.73	2.36	≤ 2.50	Pass
	5290	0.76	3.72	2.36	≤ 2.50	Pass
	5530	3.90	6.90	4.90	≤ 12.50	Pass
	5610	3.89	6.89	4.88	≤ 12.50	Pass
	5690	3.93	6.93	4.93	≤ 12.50	Pass
ax-HE160	5250	-2.24	0.76	1.19	≤ 1.25	Pass
	5570	0.83	3.83	2.41	≤ 6.25	Pass

Test Mode	Frequency (MHz)	Total Output Power (dBm/MHz)	EIRP (dBm/MHz)	EIRP (mW/MHz)	Limit (mW/MHz)	Result
be-EHT20	5180	6.76	9.76	9.45	≤ 10.00	Pass
	5220	6.85	9.85	9.65	≤ 10.00	Pass
	5240	6.91	9.91	9.80	≤ 10.00	Pass
	5260	7.01	9.97	9.93	≤ 10.00	Pass
	5300	6.92	9.88	9.72	≤ 10.00	Pass
	5320	6.97	9.93	9.83	≤ 50.00	Pass
	5500	9.76	12.76	18.88	≤ 50.00	Pass
	5600	9.98	12.98	19.86	≤ 50.00	Pass
	5700	9.77	12.77	18.90	≤ 50.00	Pass
	5720	9.92	12.92	19.58	≤ 5.00	Pass
be-EHT40	5190	3.92	6.92	4.92	≤ 5.00	Pass
	5230	3.90	6.90	4.90	≤ 5.00	Pass
	5270	3.91	6.87	4.86	≤ 5.00	Pass
	5310	3.83	6.79	4.77	≤ 25.00	Pass
	5510	6.91	9.91	9.80	≤ 25.00	Pass
	5590	6.87	9.87	9.71	≤ 25.00	Pass
	5670	6.89	9.89	9.74	≤ 25.00	Pass
	5710	6.74	9.74	9.41	≤ 2.50	Pass
be-EHT80	5210	0.80	3.80	2.40	≤ 2.50	Pass
	5290	0.82	3.78	2.39	≤ 12.50	Pass
	5530	3.87	6.87	4.87	≤ 12.50	Pass
	5610	3.85	6.85	4.84	≤ 12.50	Pass
	5690	3.88	6.88	4.87	≤ 10.00	Pass
be-EHT160	5250	-2.23	0.77	1.19	≤ 1.25	Pass
	5570	0.77	3.77	2.38	≤ 6.25	Pass

Note 1: EIRP (dBm/MHz) = Total Output Power (dBm/MHz) + Ant Gain (dBi).

Note 2: EIRP (mW/MHz) = $10^{[EIRP (dBm/MHz)/10]}$.

5.3. Occupied Bandwidth Measurement

5.3.1. Test Limit

$\leq 20\text{MHz}$ for 20MHz BW (All Bands)

$\leq 40\text{MHz}$ for 40MHz BW (All Bands)

$\leq 80\text{MHz}$ for 80MHz BW (All Bands)

$\leq 160\text{MHz}$ for 160MHz BW (All Bands)

5.3.2. Test Procedure

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

A positive peak detector function must be used.

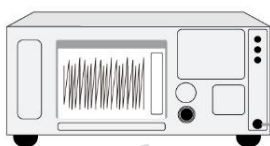
A measurement instrument with an integrated 99% power bandwidth function may be used to automate the test process.

The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.

'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

5.3.3. Test Setup

Spectrum Analyzer



DC Block
&
Attenuator



EUT



5.3.4. Test Result

Test Site	WJ-SR3	Temperature	25.0 ~ 25.1 °C
Test Engineer	Ellie Wang	Humidity	46.6 ~ 48.7 %RH
Test Date	2025-05-26 ~ 2025-05-27		

Test Mode	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)	Result
11a	5180	16.836	≤ 20.0	Pass
	5220	16.836	≤ 20.0	Pass
	5240	16.835	≤ 20.0	Pass
	5260	16.727	≤ 20.0	Pass
	5300	16.803	≤ 20.0	Pass
	5320	16.892	≤ 20.0	Pass
	5500	16.670	≤ 20.0	Pass
	5600	16.789	≤ 20.0	Pass
	5700	16.823	≤ 20.0	Pass
	5720	16.789	≤ 20.0	Pass
11ac-VHT20	5180	17.912	≤ 20.0	Pass
	5220	17.918	≤ 20.0	Pass
	5240	17.952	≤ 20.0	Pass
	5260	17.890	≤ 20.0	Pass
	5300	17.941	≤ 20.0	Pass
	5320	17.923	≤ 20.0	Pass
	5500	17.904	≤ 20.0	Pass
	5600	17.846	≤ 20.0	Pass
	5700	17.925	≤ 20.0	Pass
	5720	17.874	≤ 20.0	Pass
11ac-VHT40	5190	36.215	≤ 40.0	Pass
	5230	36.245	≤ 40.0	Pass
	5270	36.206	≤ 40.0	Pass
	5310	36.207	≤ 40.0	Pass
	5510	36.209	≤ 40.0	Pass
	5590	36.241	≤ 40.0	Pass
	5670	36.189	≤ 40.0	Pass
	5710	36.237	≤ 40.0	Pass

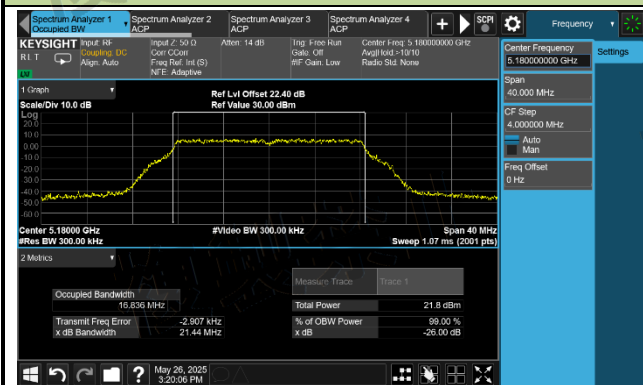
Test Mode	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)	Result
11ac-VHT80	5210	75.601	≤ 80.0	Pass
	5290	75.721	≤ 80.0	Pass
	5530	75.598	≤ 80.0	Pass
	5610	75.561	≤ 80.0	Pass
	5690	75.615	≤ 80.0	Pass
11ac-VHT160	5250	154.390	≤ 160.0	Pass
	5570	154.470	≤ 160.0	Pass
11ax-HE20	5180	19.072	≤ 20.0	Pass
	5220	19.069	≤ 20.0	Pass
	5240	19.080	≤ 20.0	Pass
	5260	19.095	≤ 20.0	Pass
	5300	19.150	≤ 20.0	Pass
	5320	19.102	≤ 20.0	Pass
	5500	19.150	≤ 20.0	Pass
	5600	19.072	≤ 20.0	Pass
	5700	19.068	≤ 20.0	Pass
	5720	19.113	≤ 20.0	Pass
11ax-HE40	5190	37.740	≤ 40.0	Pass
	5230	37.684	≤ 40.0	Pass
	5270	37.691	≤ 40.0	Pass
	5310	37.694	≤ 40.0	Pass
	5510	37.650	≤ 40.0	Pass
	5590	37.714	≤ 40.0	Pass
	5670	37.704	≤ 40.0	Pass
	5710	37.723	≤ 40.0	Pass
11ax-HE80	5210	77.107	≤ 80.0	Pass
	5290	77.112	≤ 80.0	Pass
	5530	77.124	≤ 80.0	Pass
	5610	77.084	≤ 80.0	Pass
	5690	77.109	≤ 80.0	Pass
11ax-HE160	5250	156.110	≤ 160.0	Pass
	5570	155.950	≤ 160.0	Pass

Test Mode	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)	Result
be-EHT20	5180	19.077	≤ 20.0	Pass
	5220	19.086	≤ 20.0	Pass
	5240	19.099	≤ 20.0	Pass
	5260	19.073	≤ 20.0	Pass
	5300	19.103	≤ 20.0	Pass
	5320	19.046	≤ 20.0	Pass
	5500	19.123	≤ 20.0	Pass
	5600	19.134	≤ 20.0	Pass
	5700	19.040	≤ 20.0	Pass
	5720	19.124	≤ 20.0	Pass
be-EHT40	5190	37.745	≤ 40.0	Pass
	5230	37.732	≤ 40.0	Pass
	5270	37.711	≤ 40.0	Pass
	5310	37.748	≤ 40.0	Pass
	5510	37.663	≤ 40.0	Pass
	5590	37.609	≤ 40.0	Pass
	5670	37.658	≤ 40.0	Pass
	5710	37.615	≤ 40.0	Pass
be-EHT80	5210	77.169	≤ 80.0	Pass
	5290	77.203	≤ 80.0	Pass
	5530	77.180	≤ 80.0	Pass
	5610	77.031	≤ 80.0	Pass
	5690	77.114	≤ 80.0	Pass
be-EHT160	5250	156.230	≤ 160.0	Pass
	5570	156.180	≤ 160.0	Pass

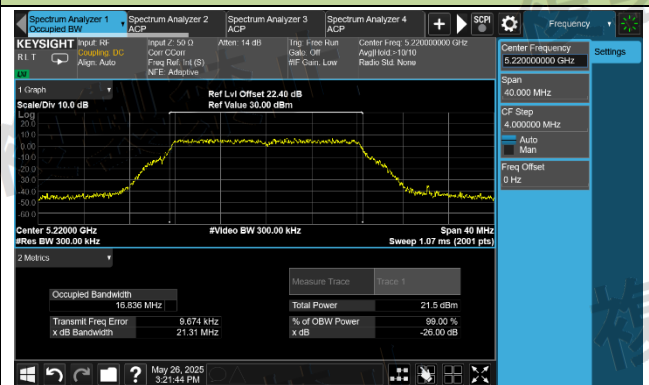
Note: Only Ant 0 port was tested for "Occupied Bandwidth", because differences in antenna path loss do not influence the result.

802.11a Occupied Bandwidth

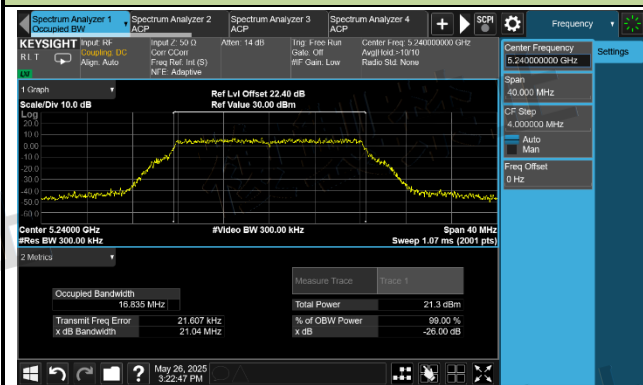
5180MHz



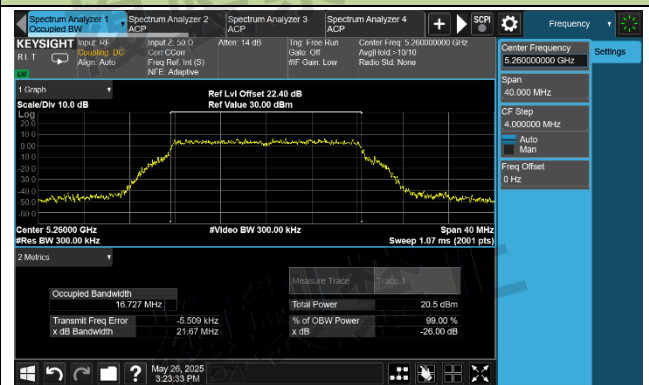
5220MHz



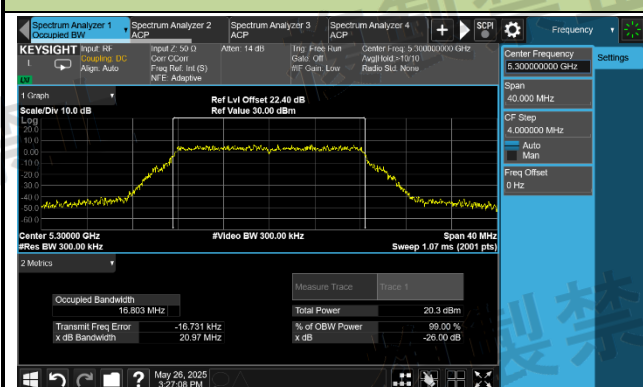
5240MHz



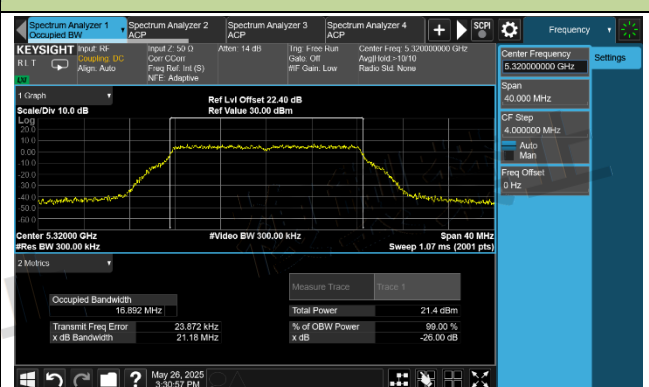
5260MHz

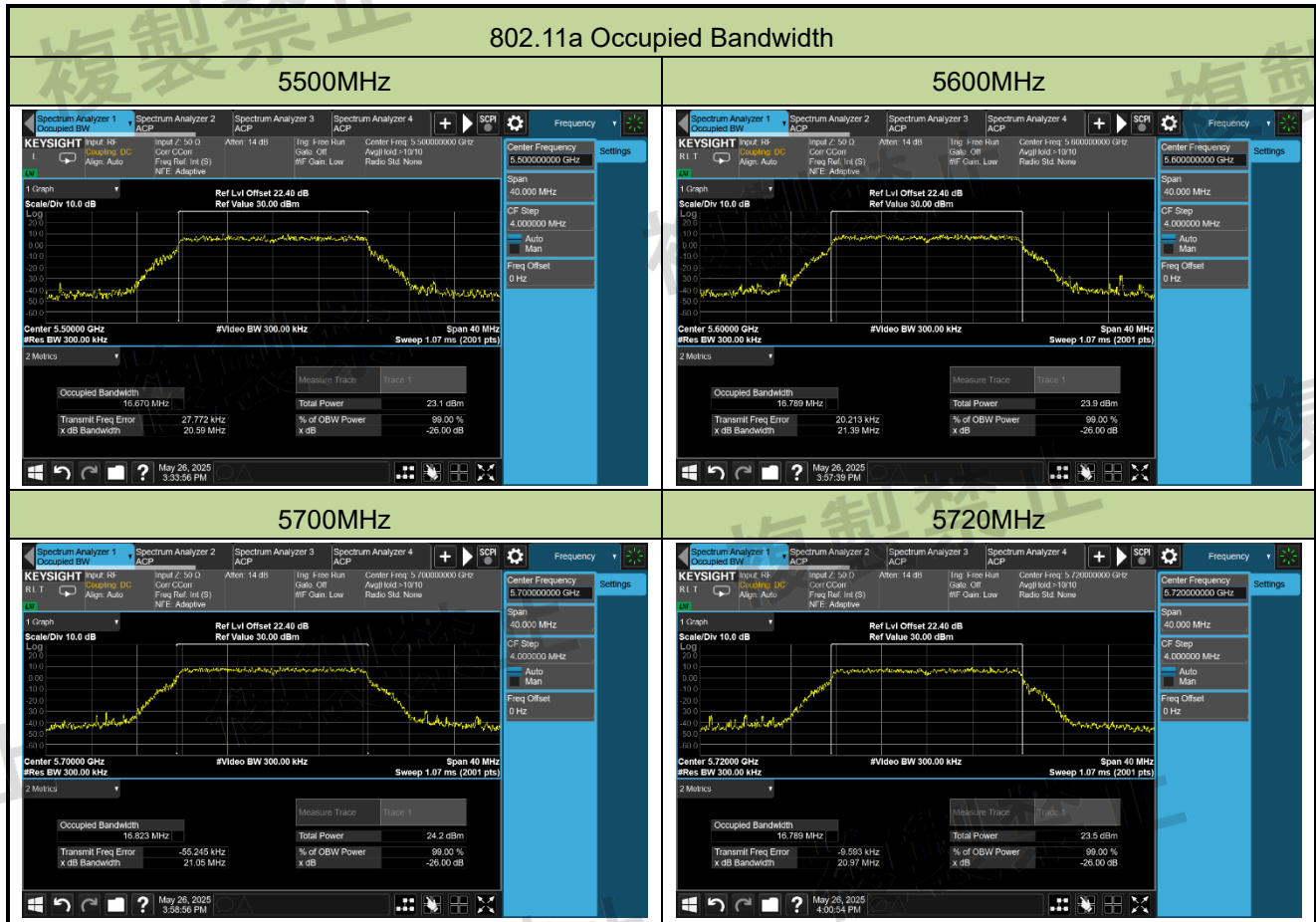


5300MHz



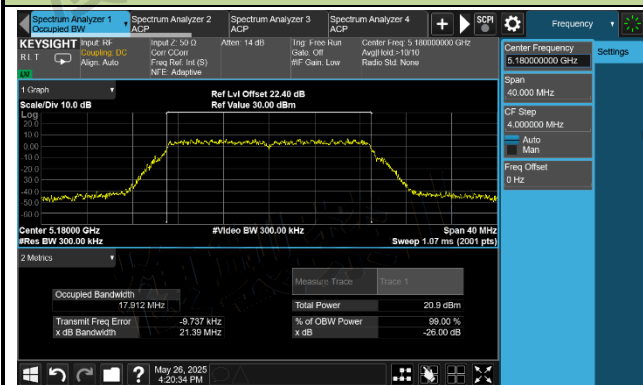
5320MHz



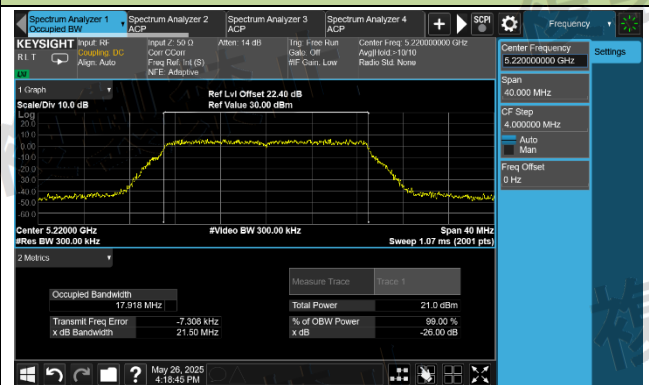


802.11ac-VHT20 Occupied Bandwidth

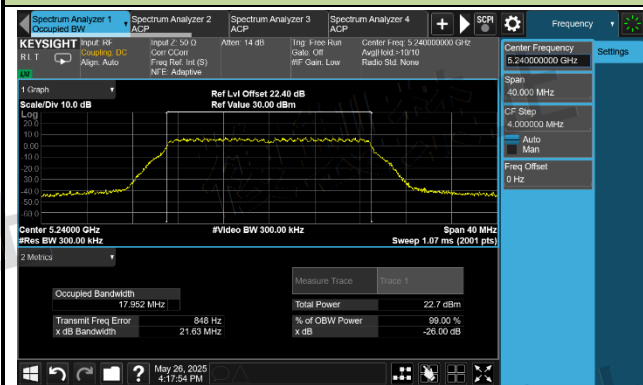
5180MHz



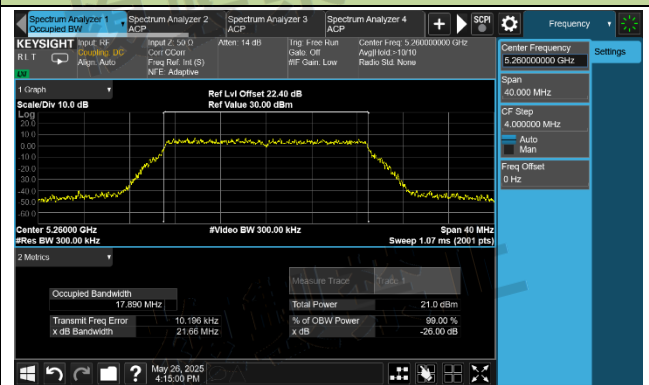
5220MHz



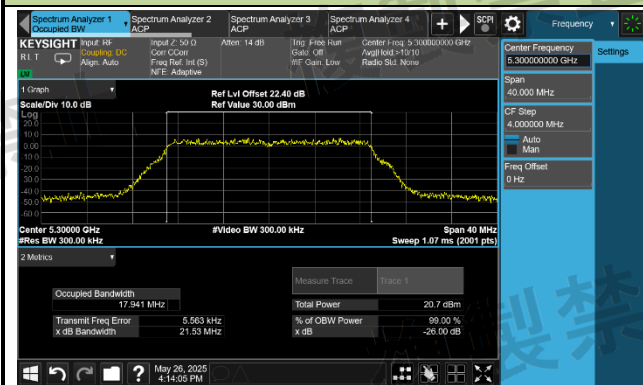
5240MHz



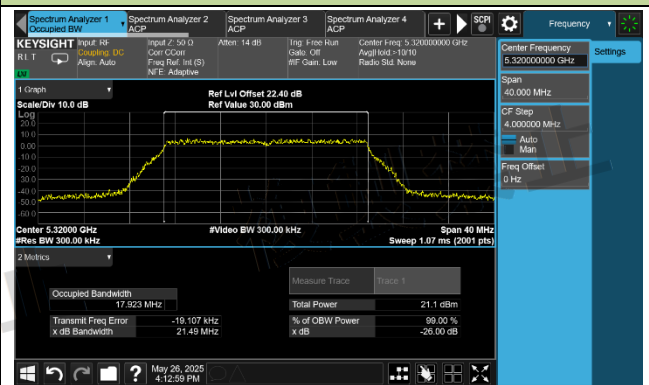
5260MHz



5300MHz

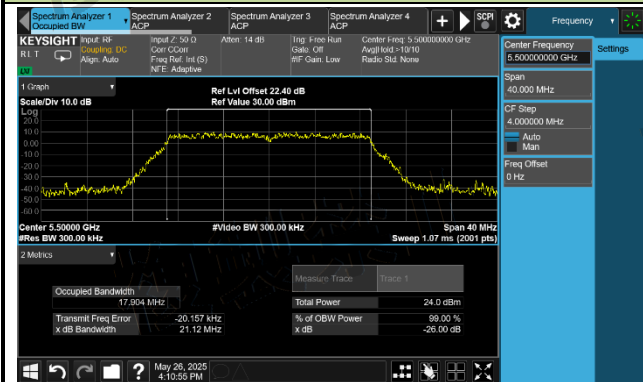


5320MHz

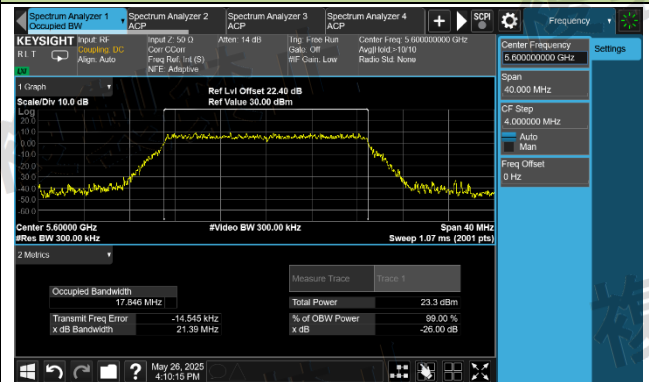


802.11ac-VHT20 Occupied Bandwidth

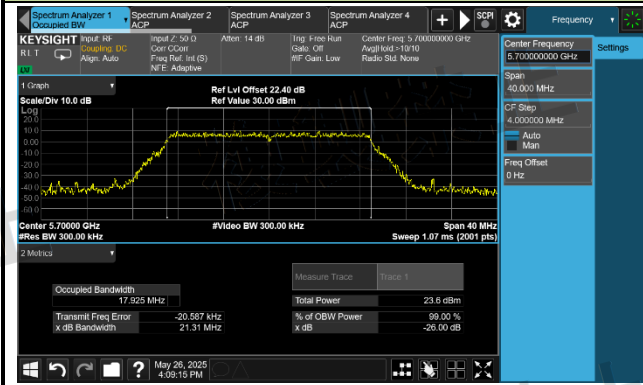
5500MHz



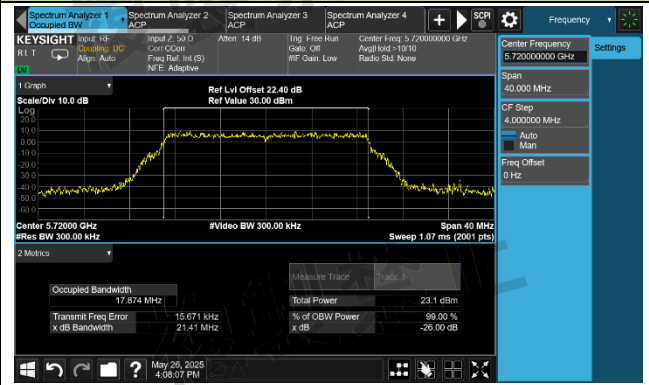
5600MHz



5700MHz

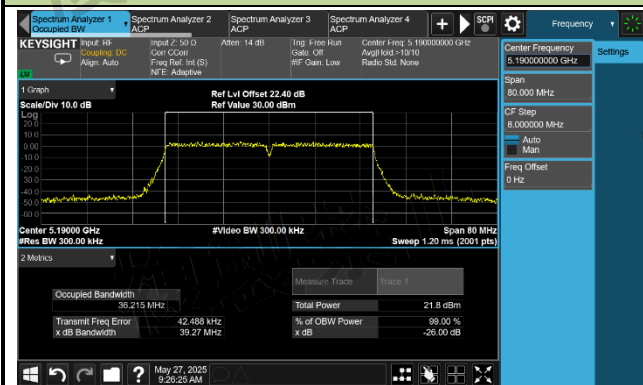


5720MHz

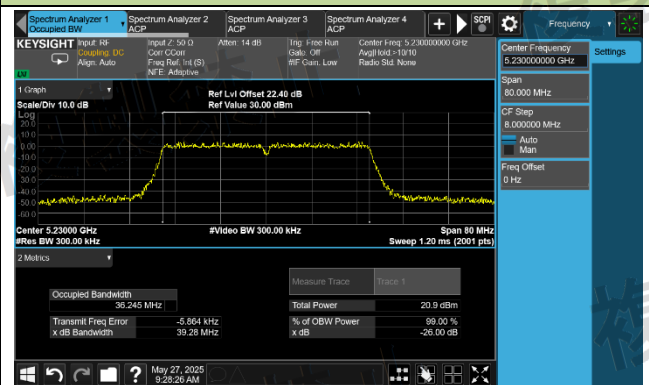


802.11ac-VHT40 Occupied Bandwidth

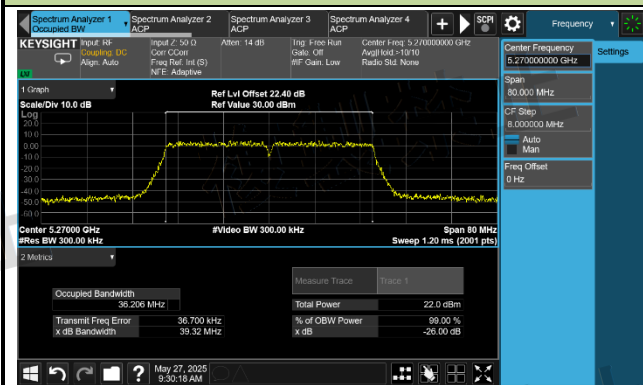
5190MHz



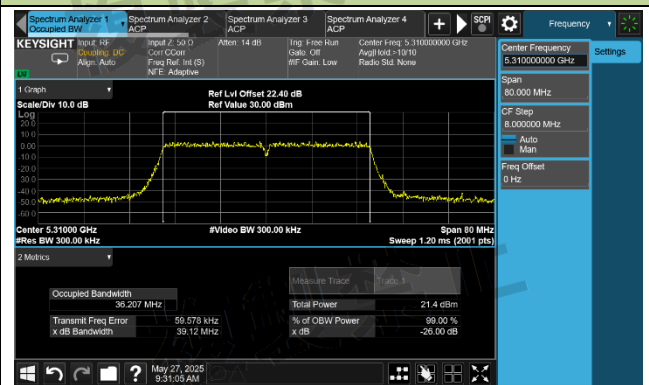
5230MHz



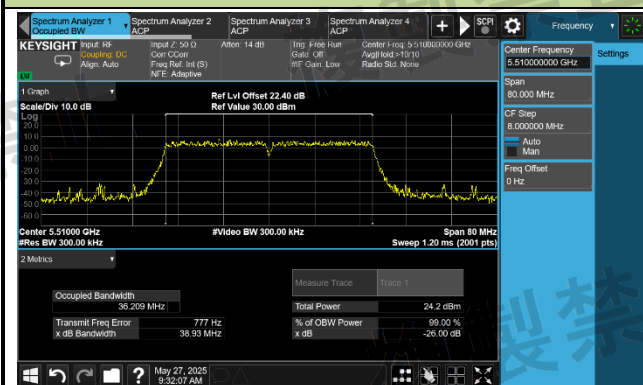
5270MHz



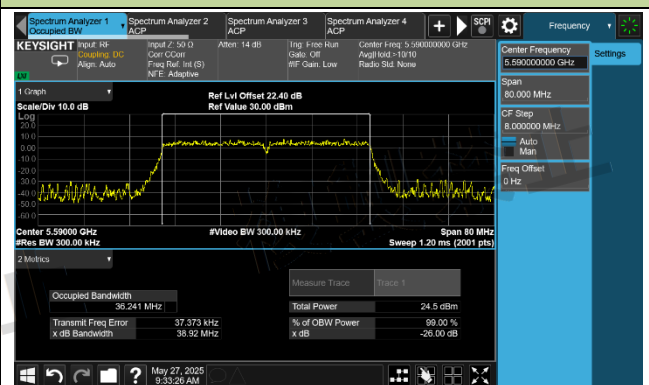
5310MHz

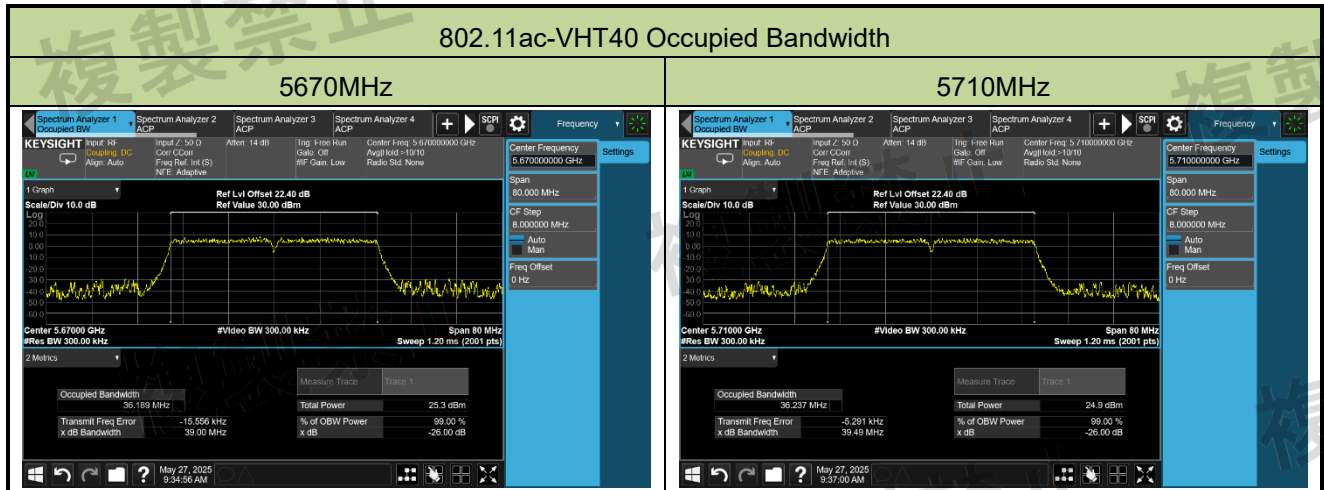


5510MHz



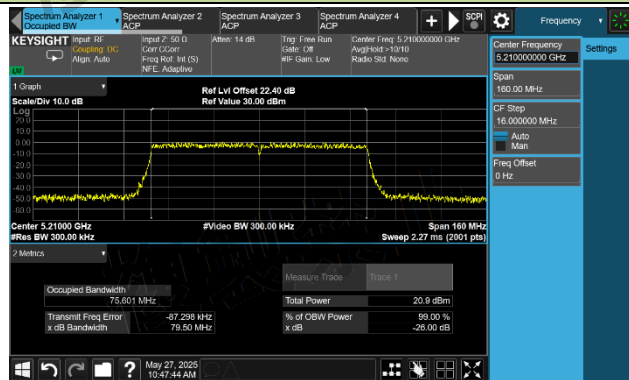
5590MHz



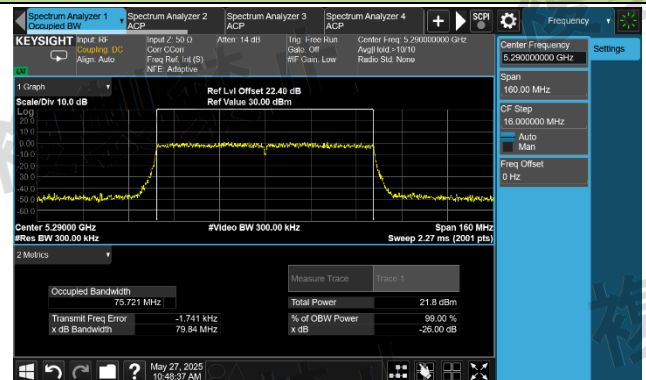


802.11ac-VHT80 Occupied Bandwidth

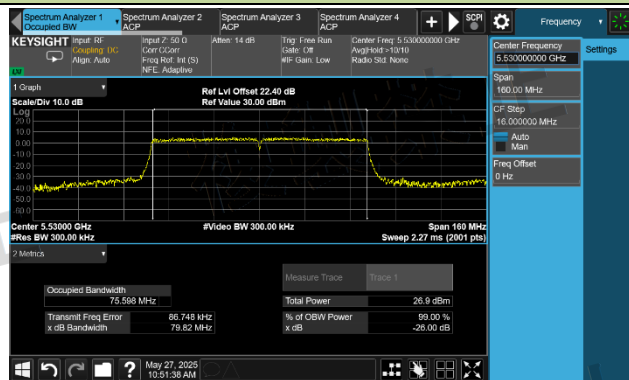
5210MHz



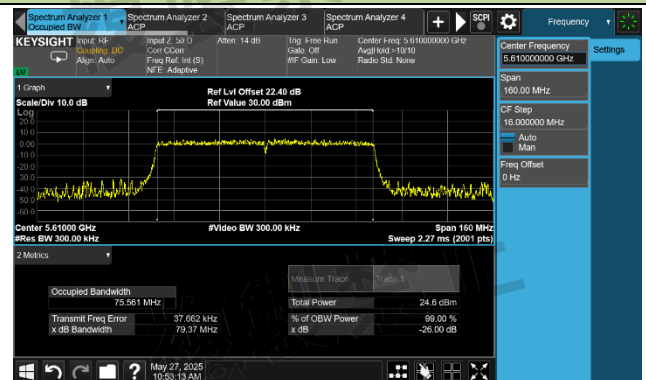
5290MHz



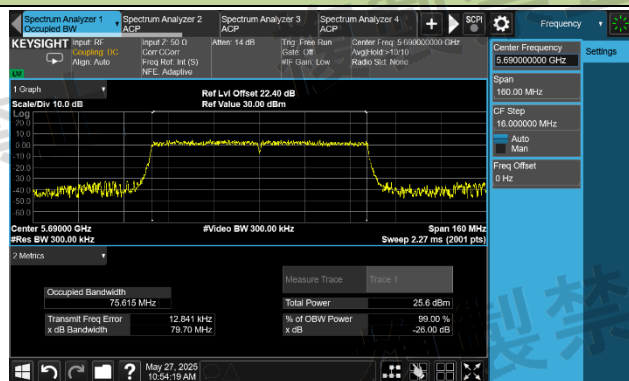
5530MHz

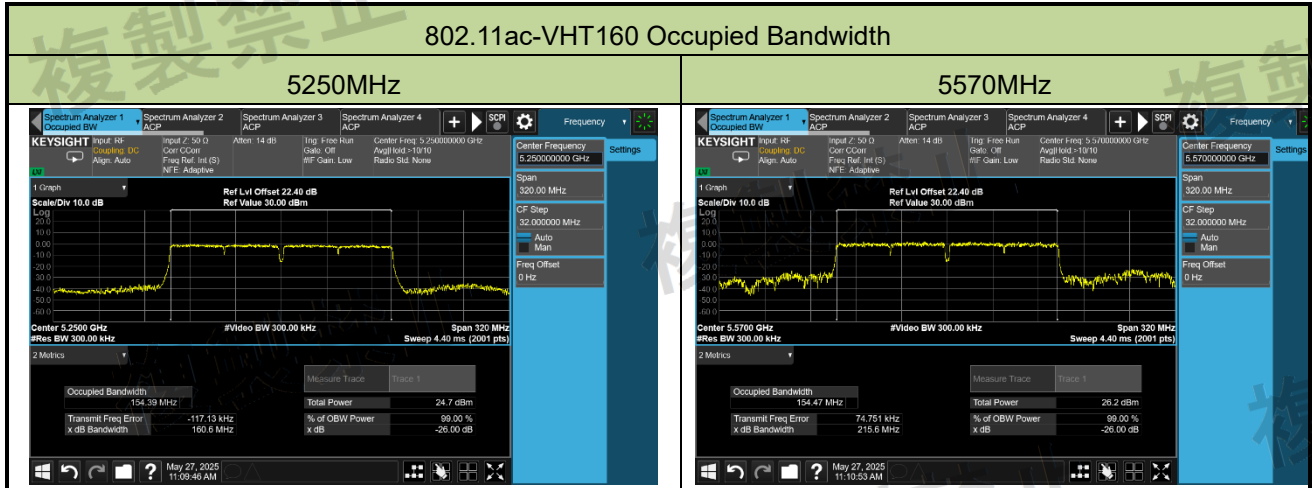


5610MHz



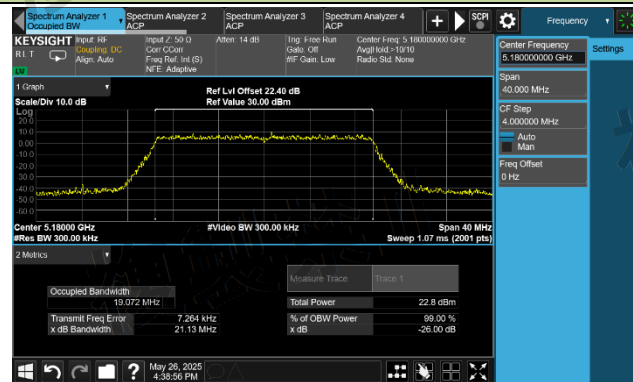
5690MHz



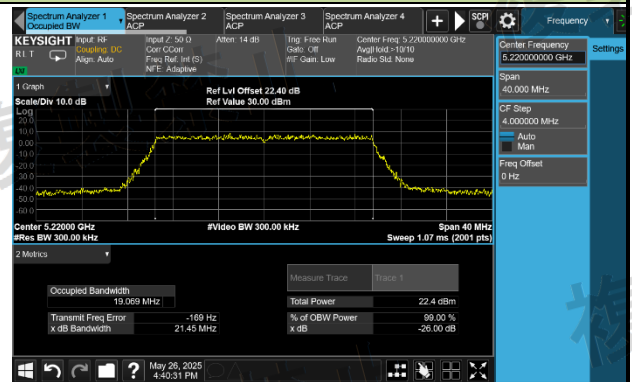


802.11ax-HE20 Occupied Bandwidth

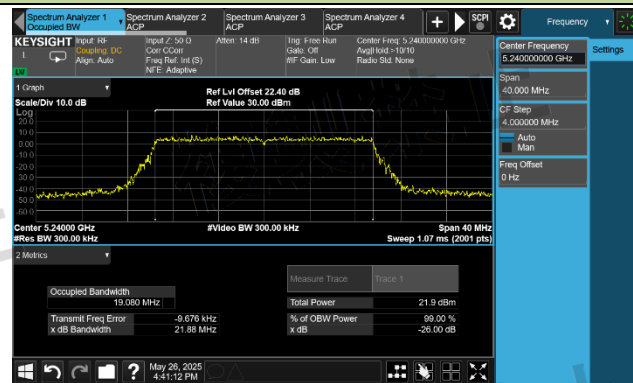
5180MHz



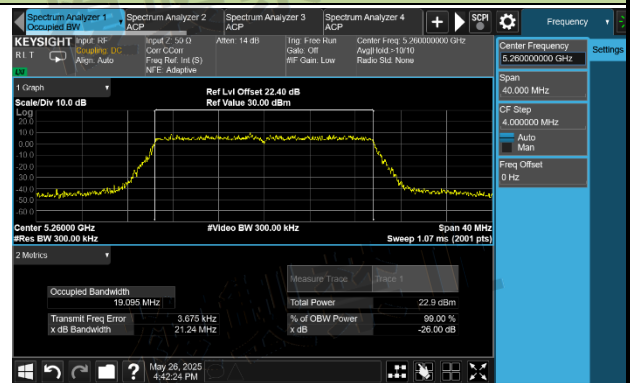
5220MHz



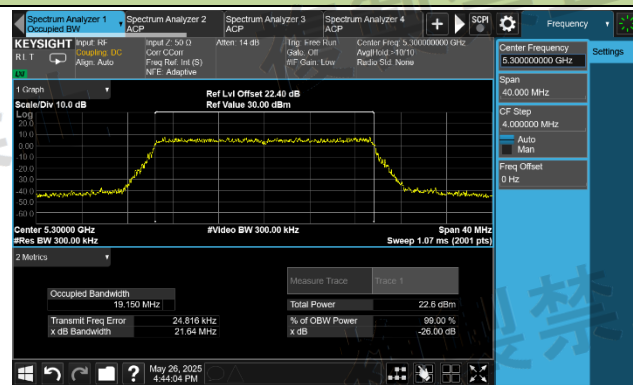
5240MHz



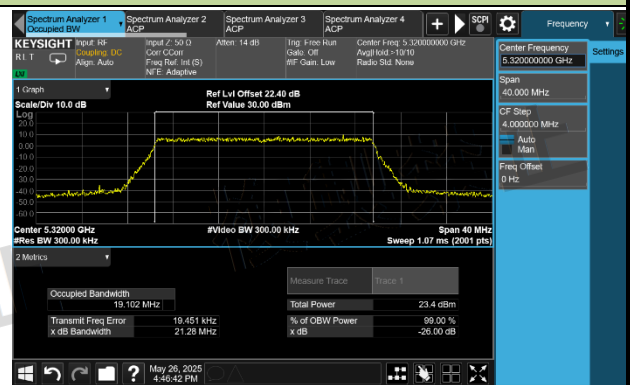
5260MHz



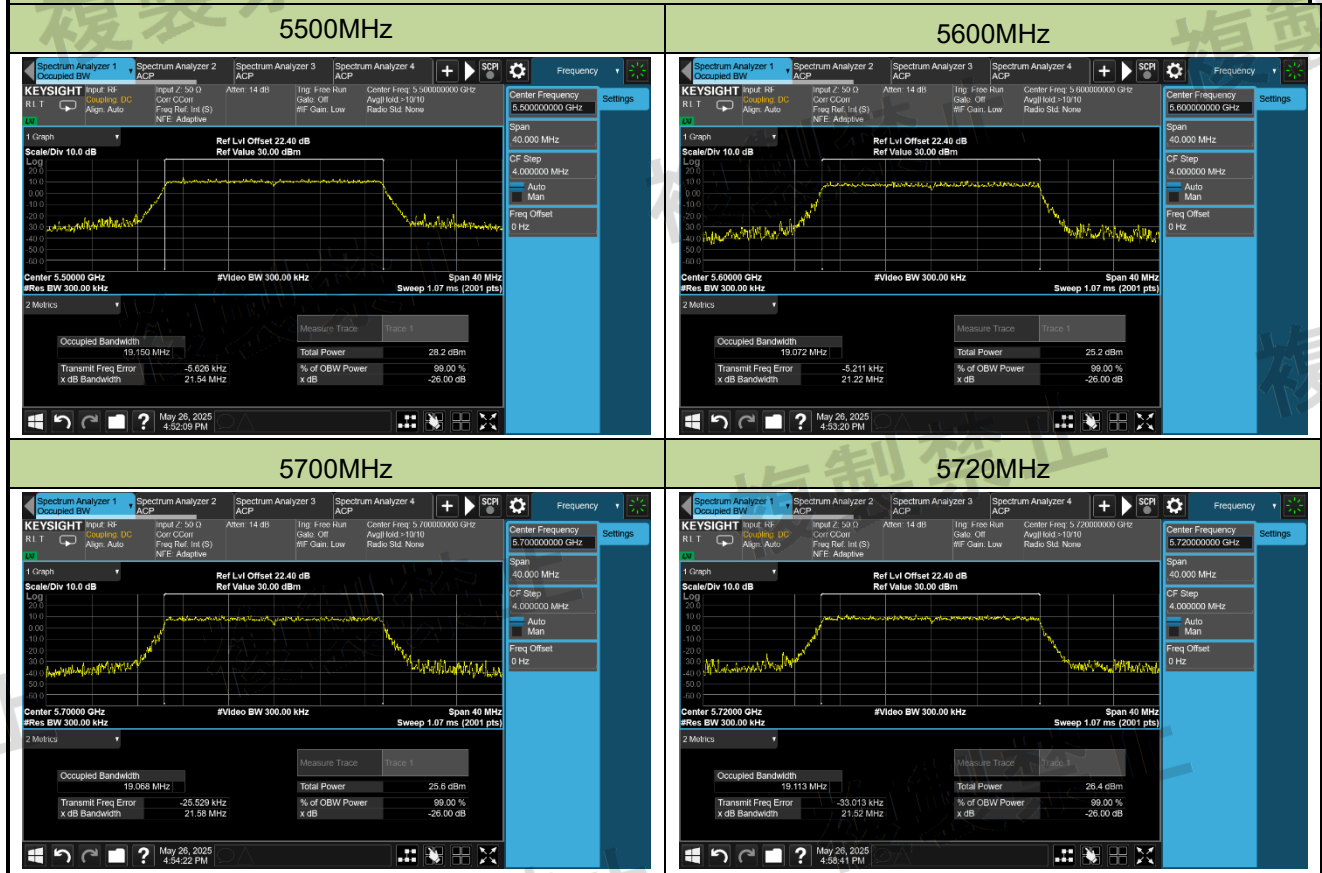
5300MHz



5320MHz

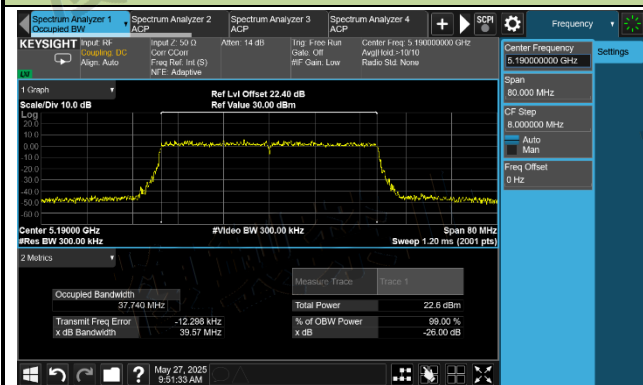


802.11ax-HE20 Occupied Bandwidth

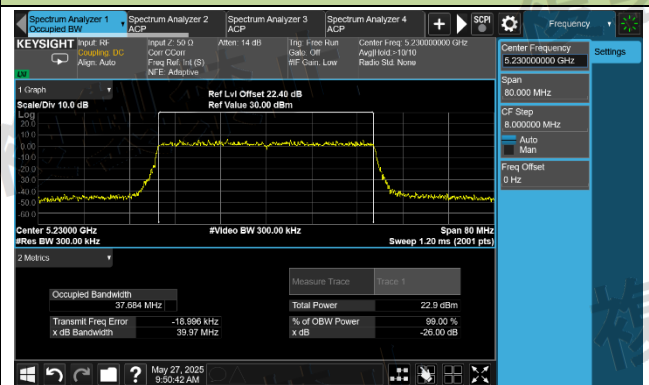


802.11ax-HE40 Occupied Bandwidth

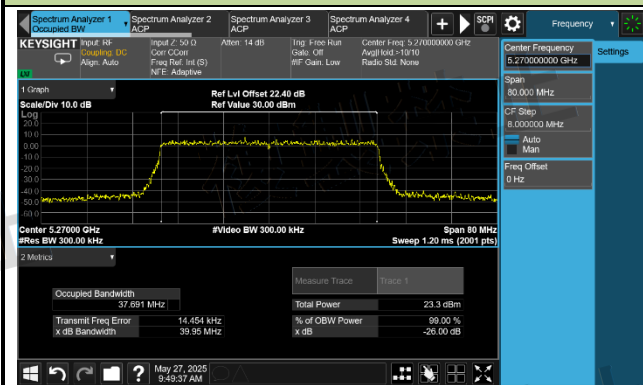
5190MHz



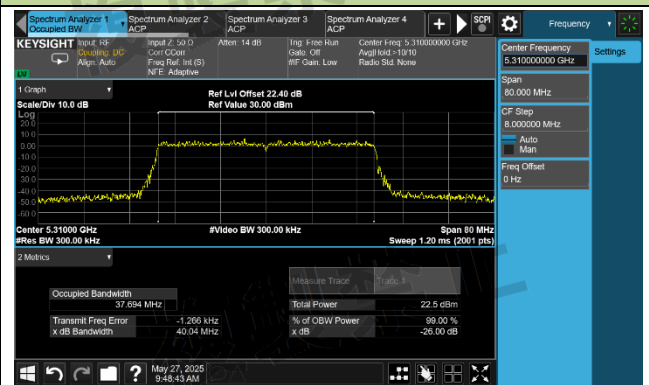
5230MHz



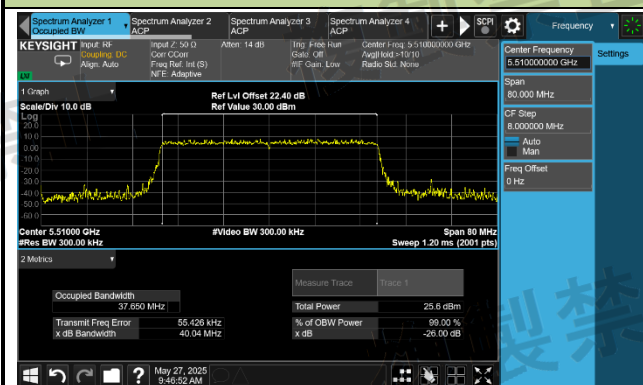
5270MHz



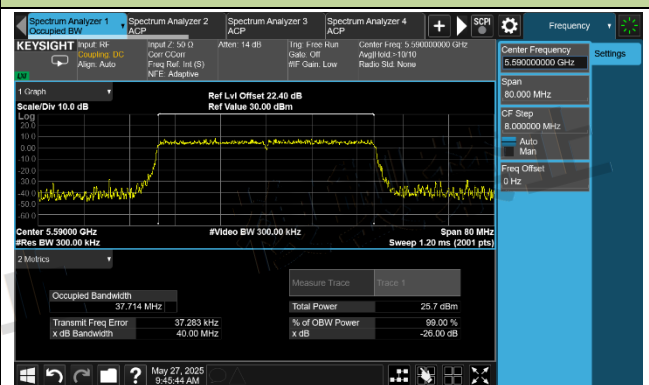
5310MHz

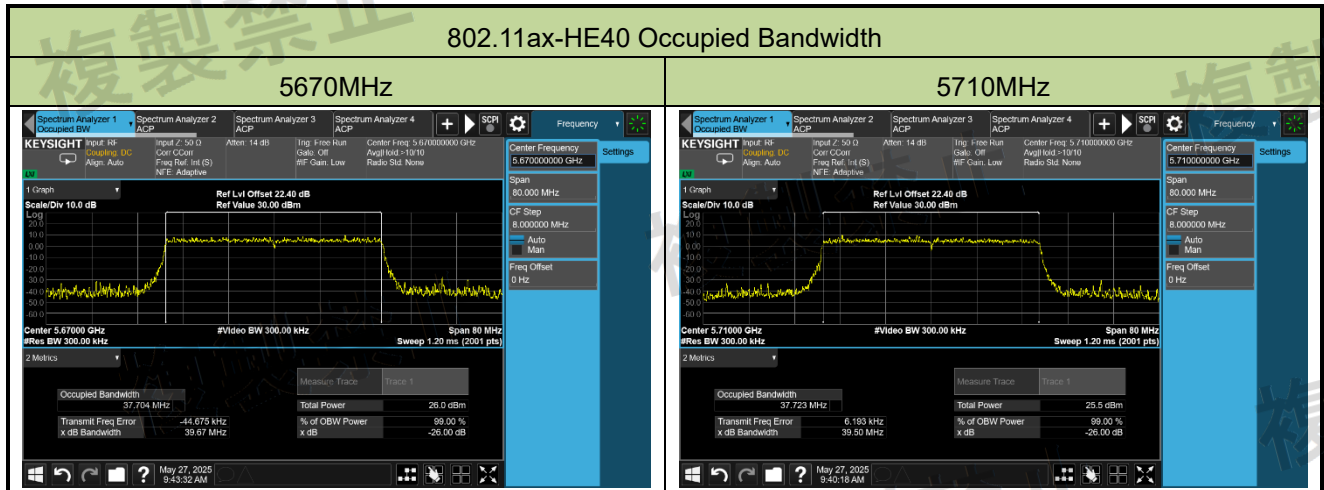


5510MHz



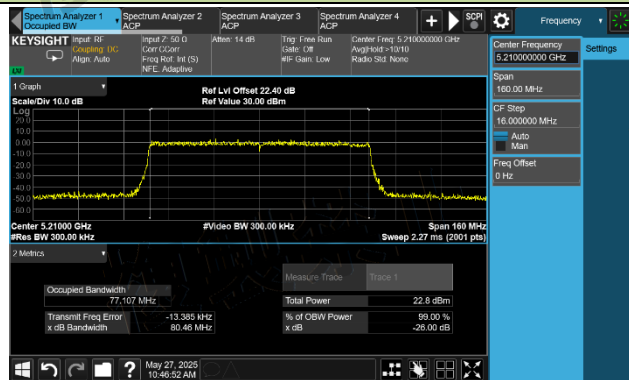
5590MHz



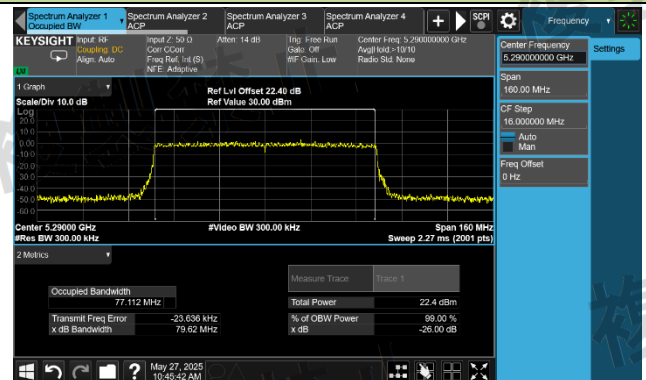


802.11ax-HE80 Occupied Bandwidth

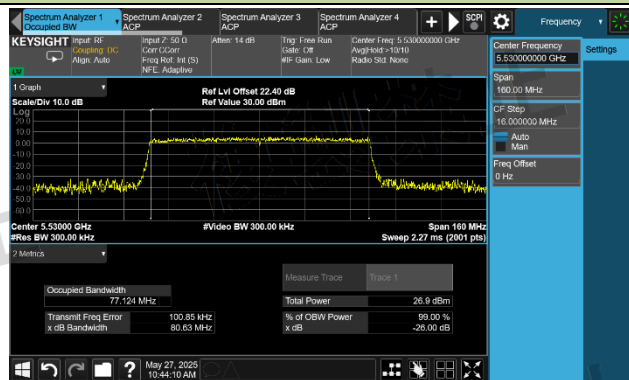
5210MHz



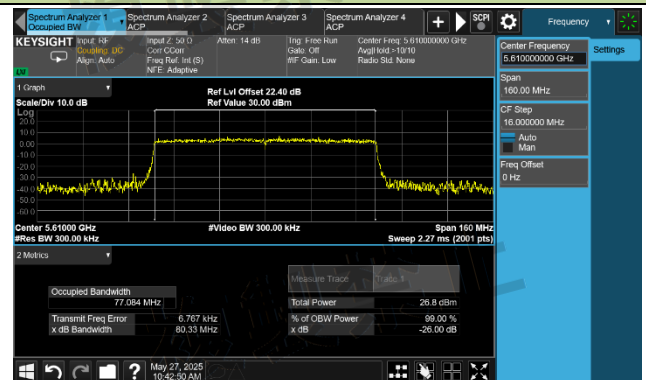
5290MHz



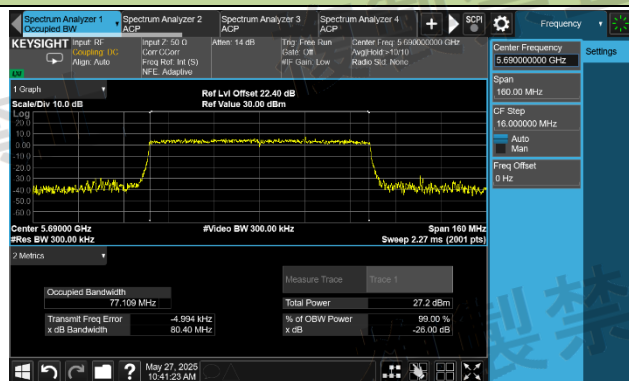
5530MHz

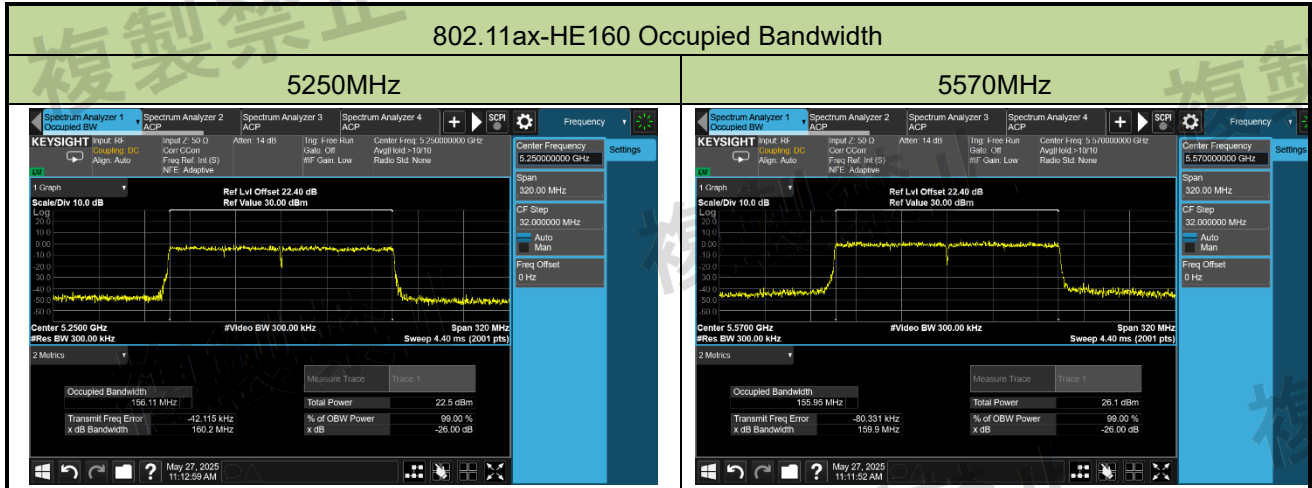


5610MHz



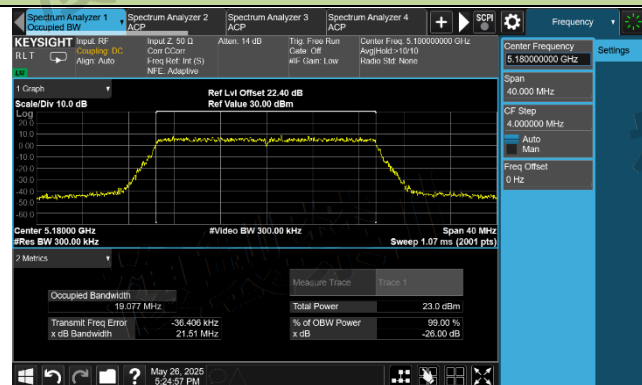
5690MHz



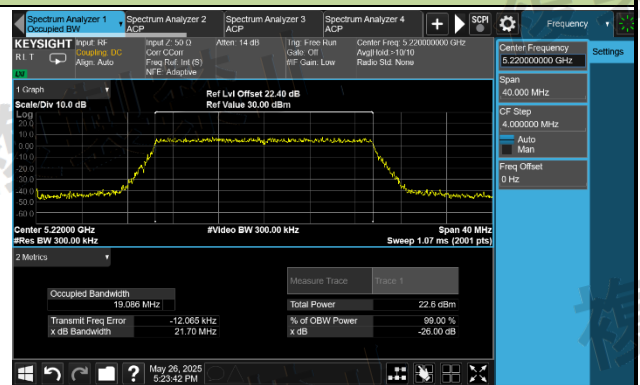


802.11be-EHT20 Occupied Bandwidth

5180MHz



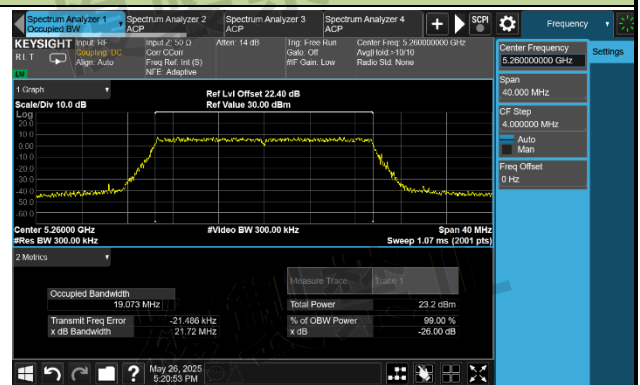
5220MHz



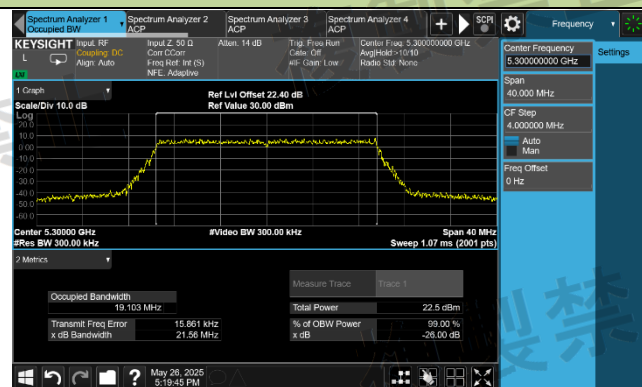
5240MHz



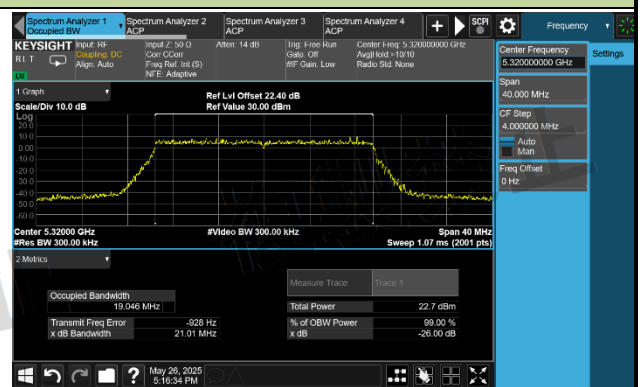
5260MHz



5300MHz

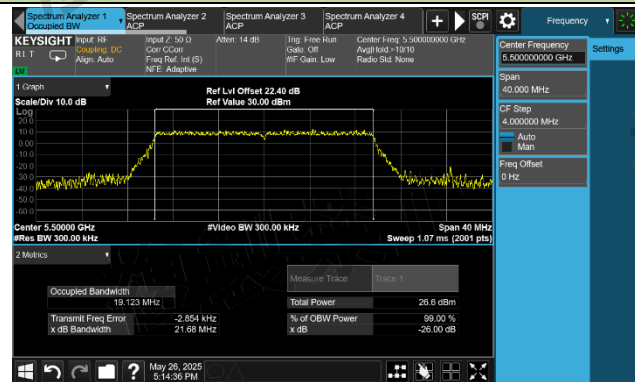


5320MHz

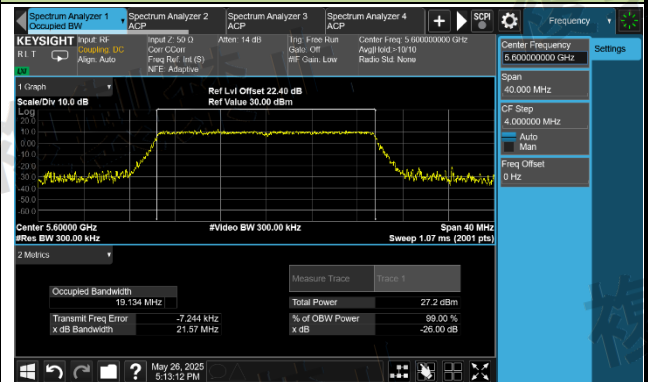


802.11be-EHT20 Occupied Bandwidth

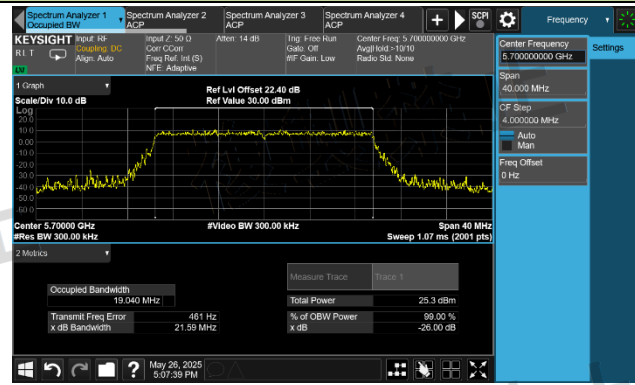
5500MHz



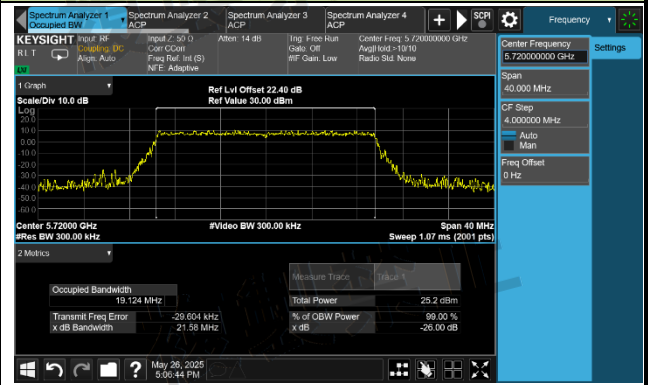
5600MHz



5700MHz

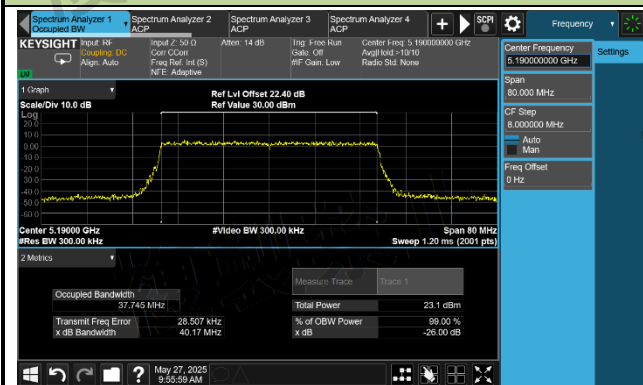


5720MHz

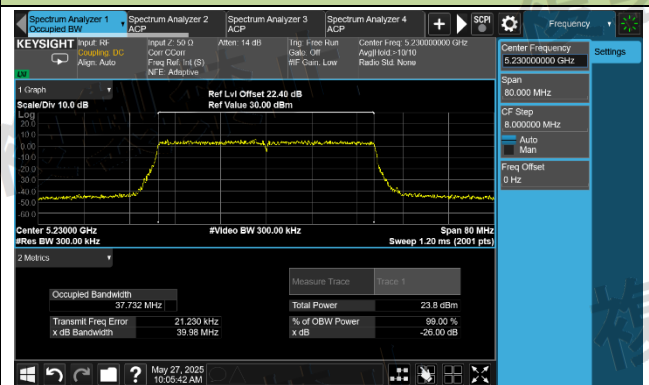


802.11be-EHT40 Occupied Bandwidth

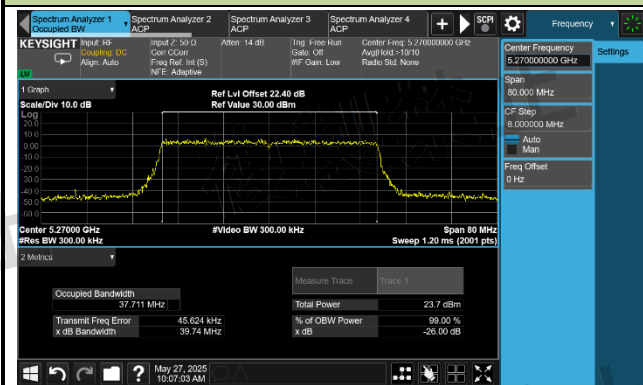
5190MHz



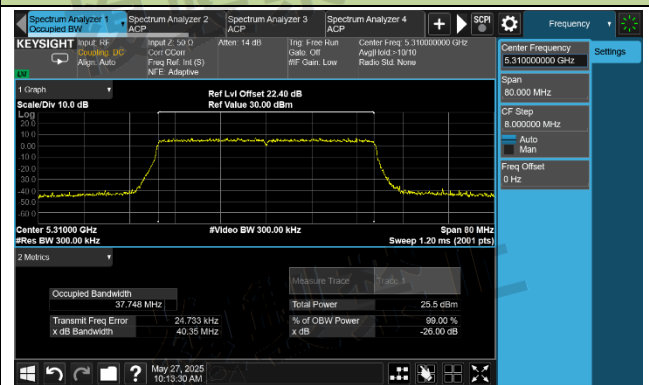
5230MHz



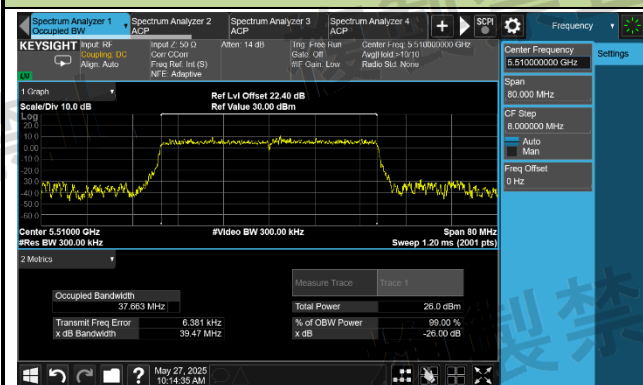
5270MHz



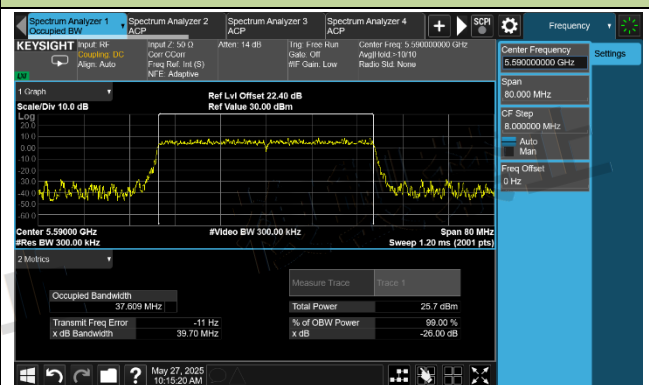
5310MHz

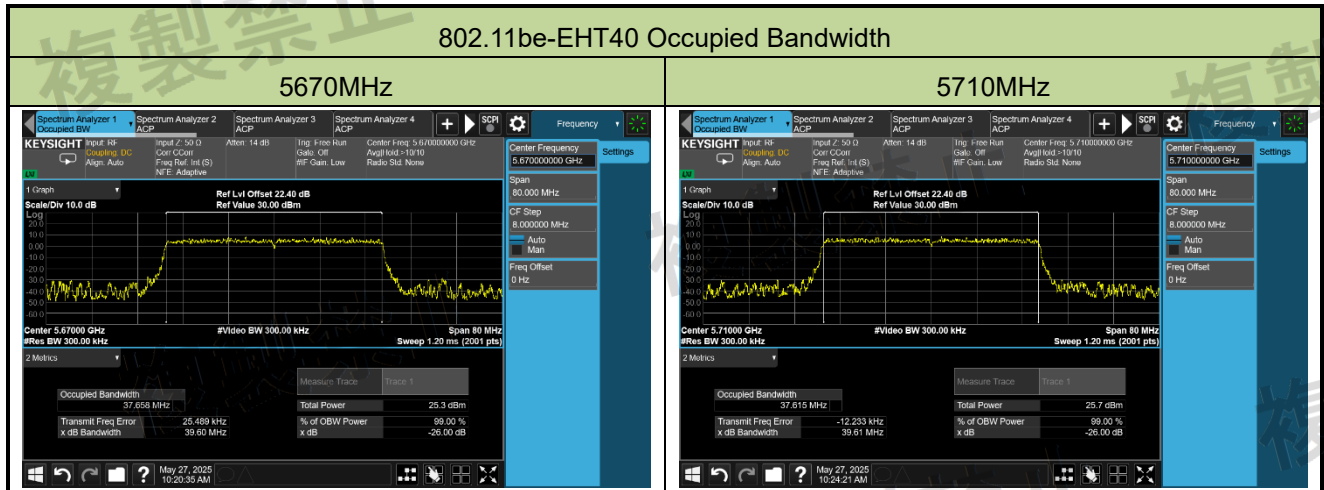


5510MHz



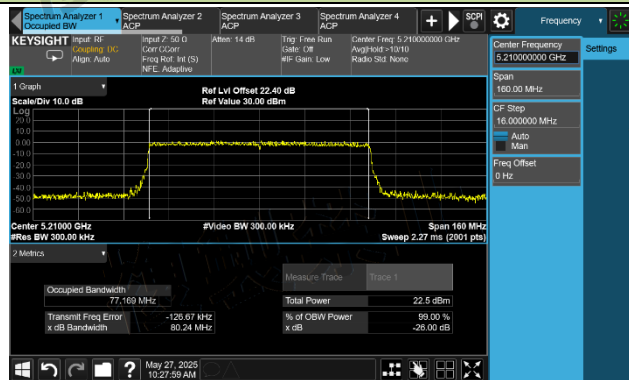
5590MHz



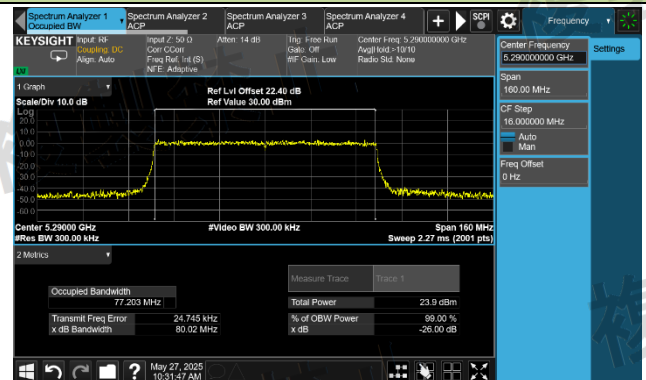


802.11be-EHT80 Occupied Bandwidth

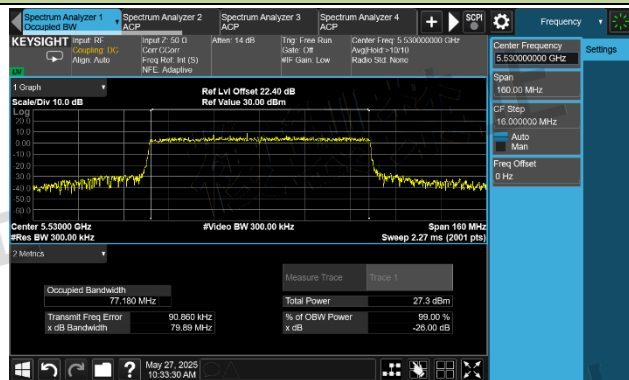
5210MHz



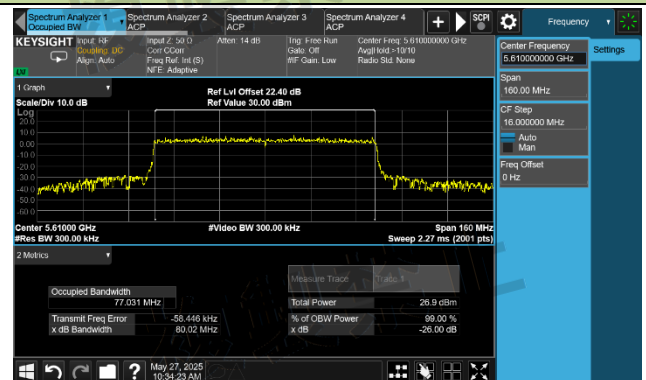
5290MHz



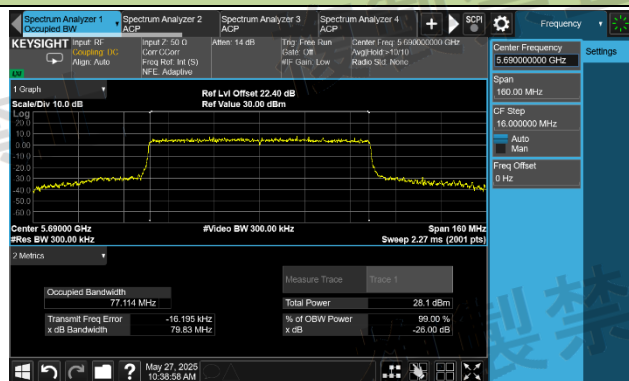
5530MHz

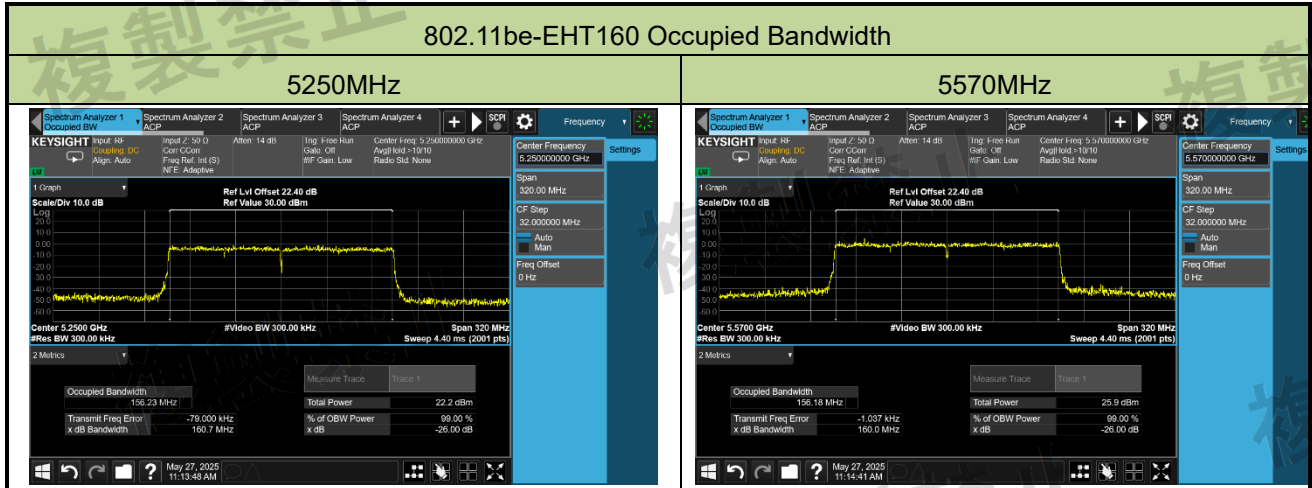


5610MHz



5690MHz





5.4. Frequency Tolerance Measurement

5.4.1. Test Limit

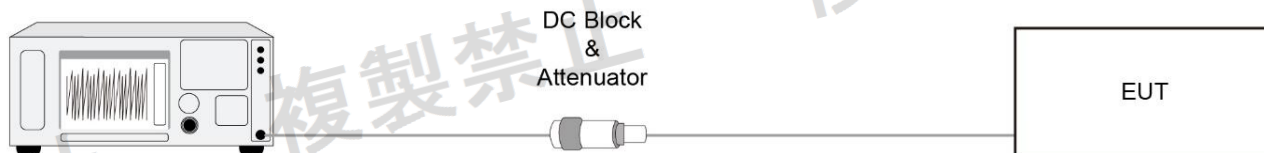
- 20 ~ +20 ppm

5.4.2. Test Procedure

1. A spectrum analyzer or similar device shall be used to observe a sample of the unmodulated transmitter's radio frequency power output.
2. A positive peak detector function must be used.
3. The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slowly, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
4. 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

5.4.3. Test Setup

Spectrum Analyzer



5.4.4. Test Result

Test Site	WJ-SR3	Temperature	25.3 °C
Test Engineer	Ellie Wang	Humidity	47.2 %RH
Test Date	2025-05-31		

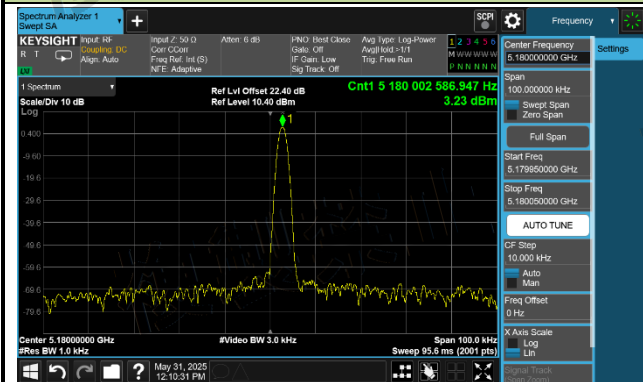
Test Mode	Measurement Frequency (MHz)	Reading Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Result
Carrier Wave-20MHz	5180	5180.002587	0.50	-20 ~ +20	Pass
	5220	5219.999047	-0.18	-20 ~ +20	Pass
	5240	5239.998433	-0.30	-20 ~ +20	Pass
	5260	5259.997827	-0.41	-20 ~ +20	Pass
	5300	5299.995975	-0.76	-20 ~ +20	Pass
	5320	5319.996140	-0.73	-20 ~ +20	Pass
	5500	5499.994801	-0.95	-20 ~ +20	Pass
	5600	5599.995282	-0.84	-20 ~ +20	Pass
	5700	5699.995536	-0.78	-20 ~ +20	Pass
	5720	5719.995571	-0.77	-20 ~ +20	Pass
Carrier Wave-40MHz	5190	5189.997363	-0.51	-20 ~ +20	Pass
	5230	5229.997027	-0.57	-20 ~ +20	Pass
	5270	5269.996665	-0.63	-20 ~ +20	Pass
	5310	5309.993374	-1.25	-20 ~ +20	Pass
	5510	5509.993874	-1.11	-20 ~ +20	Pass
	5590	5589.994281	-1.02	-20 ~ +20	Pass
	5670	5669.994908	-0.90	-20 ~ +20	Pass
	5710	5709.995339	-0.82	-20 ~ +20	Pass
Carrier Wave-80MHz	5210	5209.998294	-0.33	-20 ~ +20	Pass
	5290	5289.997601	-0.45	-20 ~ +20	Pass
	5530	5529.997679	-0.42	-20 ~ +20	Pass
	5610	5609.997294	-0.48	-20 ~ +20	Pass
	5690	5689.997790	-0.39	-20 ~ +20	Pass
Carrier Wave-160MHz	5250	5249.997928	-0.39	-20 ~ +20	Pass
	5570	5569.997509	-0.45	-20 ~ +20	Pass

Note 1: Frequency Tolerance (ppm) = [Reading Frequency (MHz) - Measurement Frequency (MHz)] / Measurement Frequency (MHz) * 10⁶.

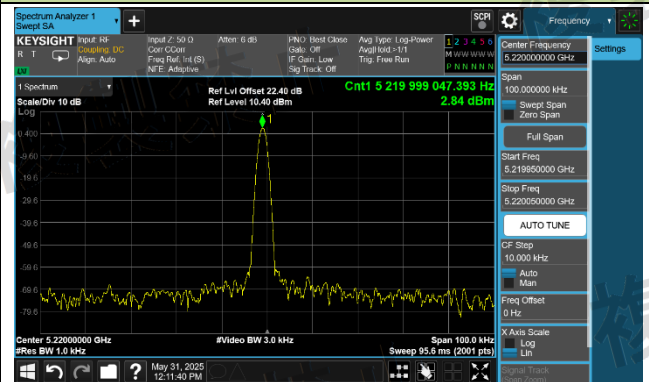
Note 2: Only Ant 0 port was tested for "Frequency Tolerance", because differences in antenna path loss do not influence the result.

Carrier Wave - 20MHz

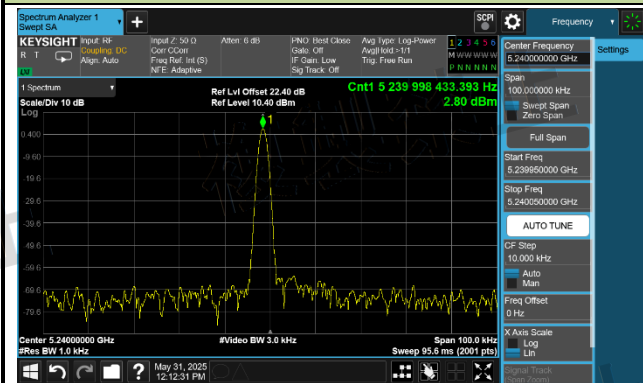
5180MHz



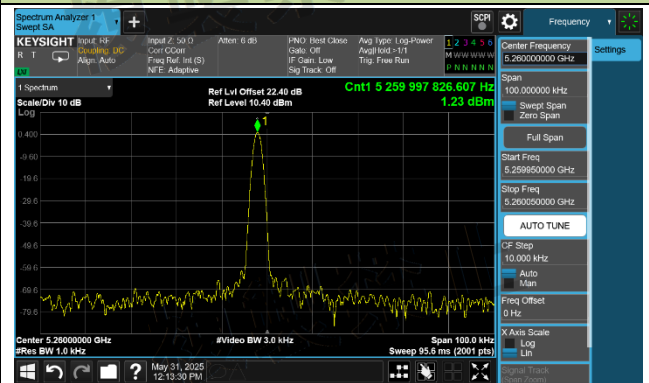
5220MHz



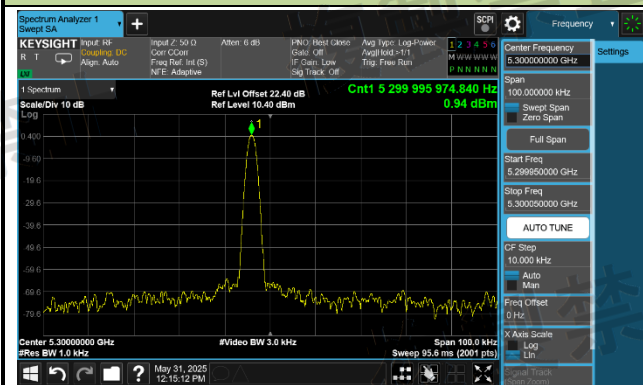
5240MHz



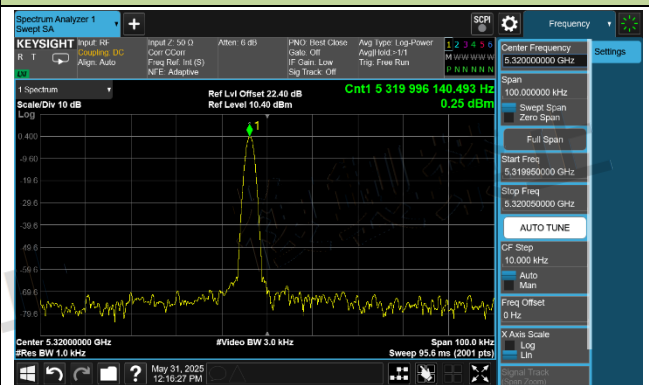
5260MHz

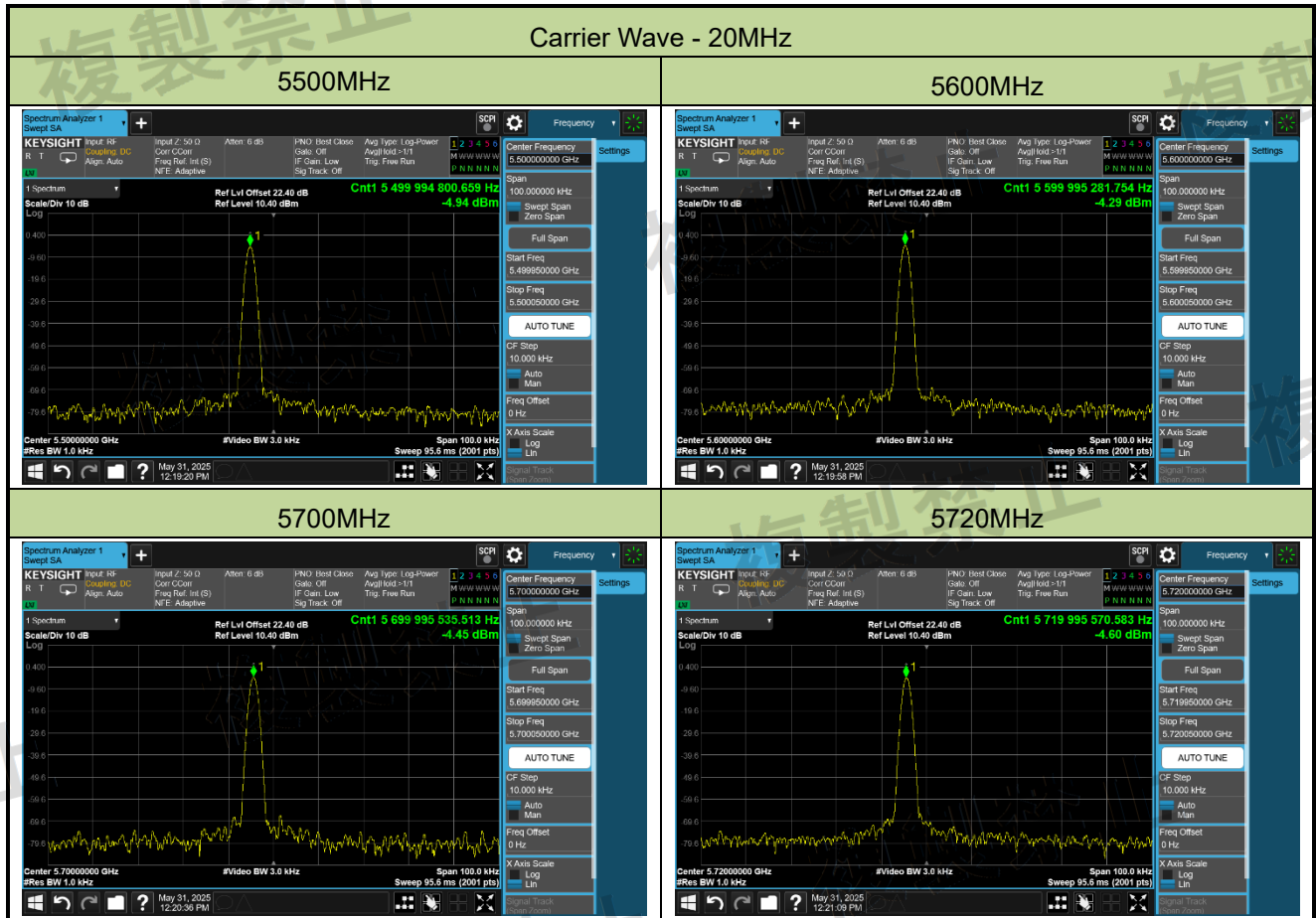


5300MHz



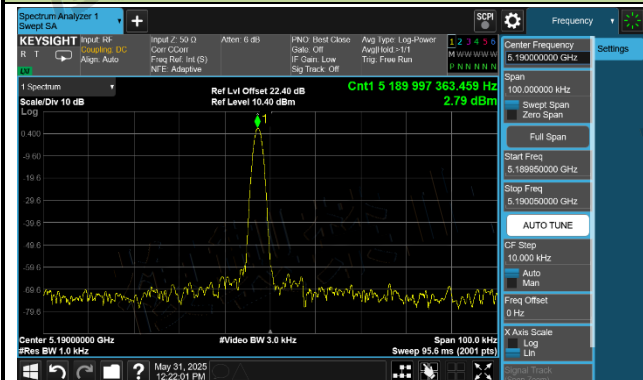
5320MHz



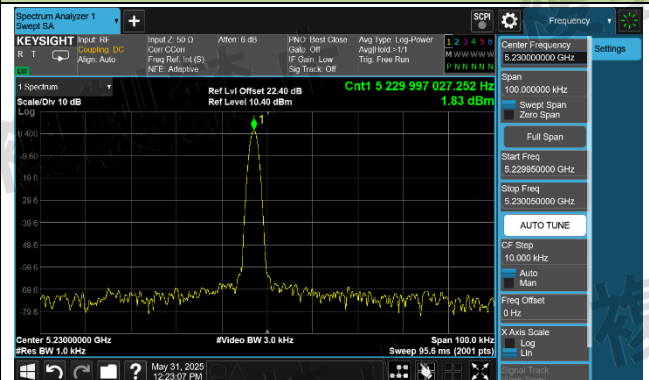


Carrier Wave - 40MHz

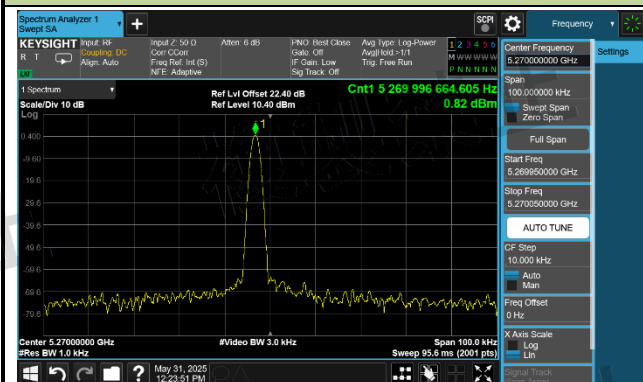
5190MHz



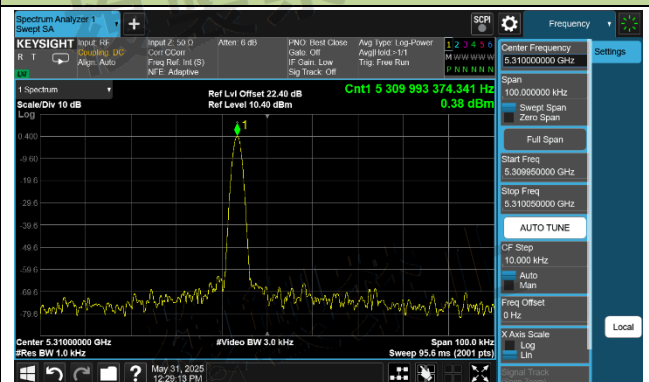
5230MHz



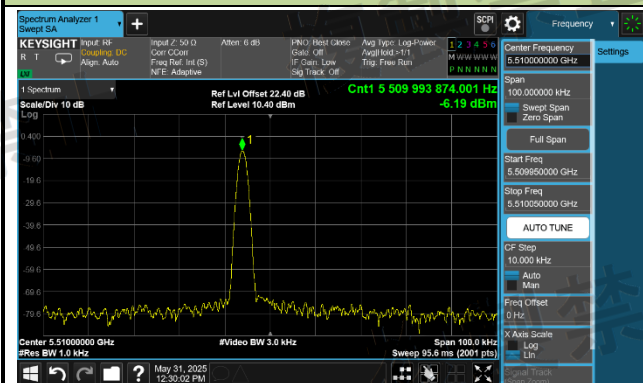
5270MHz



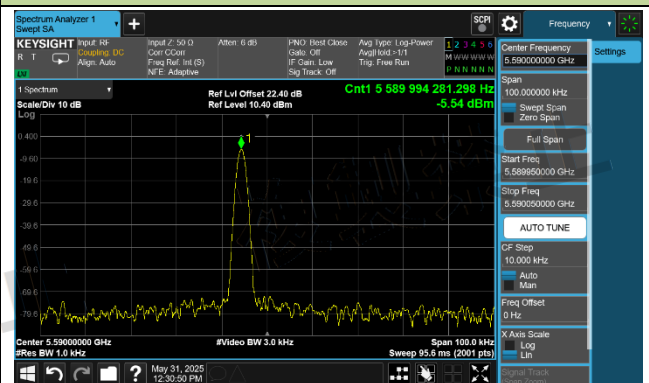
5310MHz

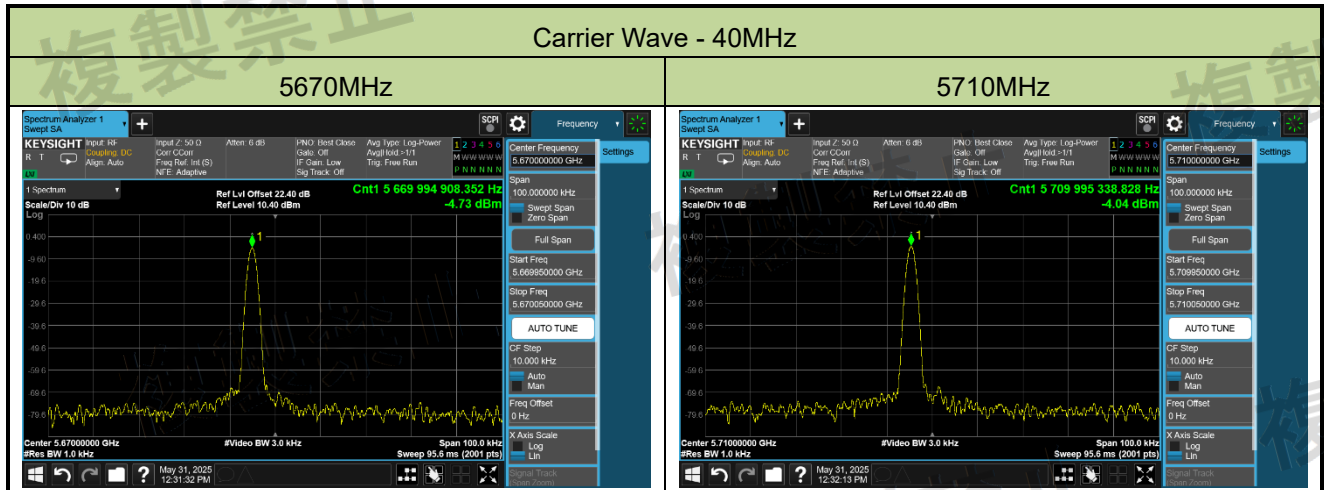


5510MHz



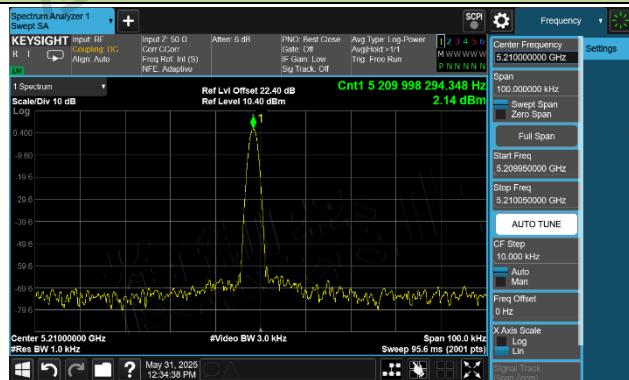
5590MHz



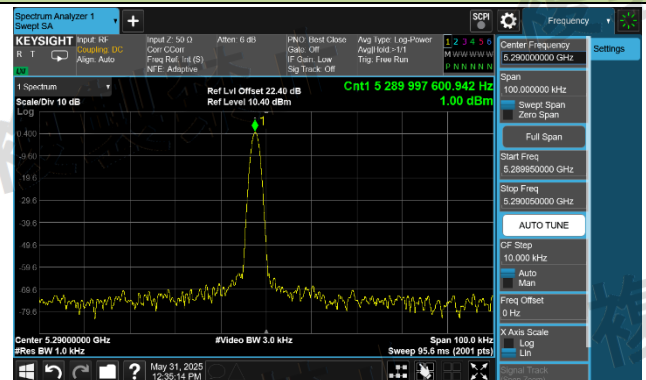


Carrier Wave - 80MHz

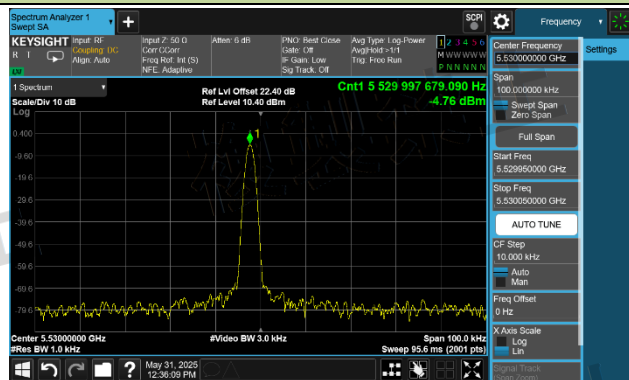
5210MHz



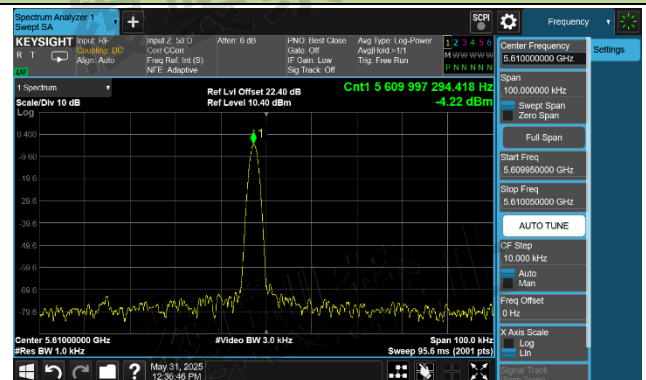
5290MHz



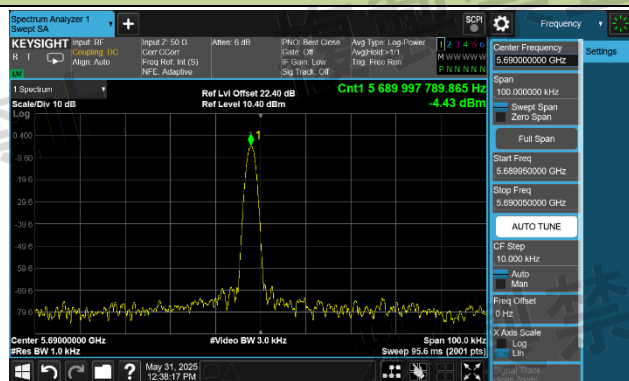
5530MHz

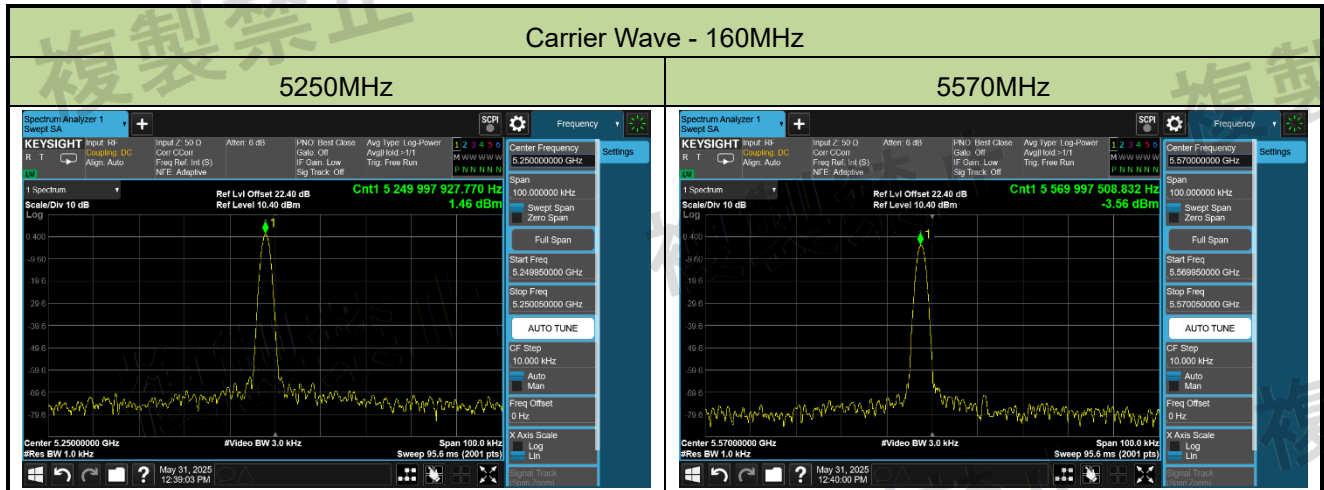


5610MHz



5690MHz





5.5. Adjacent Channel Emitted Power Measurement

5.5.1. Test Limit

For 20MHz BW (All Bands)

$\geq 25\text{dBc}$ for $\pm 20\text{MHz}$; $\geq 40\text{dBc}$ for $\pm 40\text{MHz}$

For 40MHz BW (All Bands)

$\geq 25\text{dBc}$ for $\pm 40\text{MHz}$; $\geq 40\text{dBc}$ for $\pm 80\text{MHz}$

For 80MHz BW (All Bands)

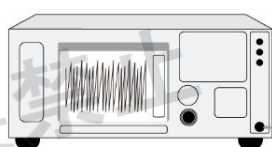
$\geq 25\text{dBc}$ for $\pm 80\text{MHz}$

5.5.2. Test Procedure

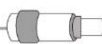
1. A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.
2. A sample detector function must be used.
3. Open spectrum analyzer "Adjacent Channel Power" function.
4. Set points of $\pm 20\text{MHz}$, $\pm 40\text{MHz}$ and $\pm 80\text{MHz}$.
5. The measurement instrument bandwidth and span must be set sufficiently with, and the scan time set sufficiently slowly, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
6. 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

5.5.3. Test Setup

Spectrum Analyzer



DC Block
&
Attenuator



EUT



5.5.4. Test Result

Test Site	WJ-SR3	Temperature	24.9 ~ 25.1 °C
Test Engineer	Ellie Wang	Humidity	46.6 ~ 49.1 %RH
Test Date	2025-05-27 ~ 2025-05-28		

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11a				
5180MHz	-40	57.84	≥ 40	Pass
	-20	36.49	≥ 25	Pass
	+20	36.64	≥ 25	Pass
	+40	58.94	≥ 40	Pass
5220MHz	-40	58.15	≥ 40	Pass
	-20	36.54	≥ 25	Pass
	+20	36.62	≥ 25	Pass
	+40	59.42	≥ 40	Pass
5240MHz	-40	58.18	≥ 40	Pass
	-20	36.63	≥ 25	Pass
	+20	36.70	≥ 25	Pass
	+40	59.23	≥ 40	Pass
5260MHz	-40	58.50	≥ 40	Pass
	-20	36.87	≥ 25	Pass
	+20	36.67	≥ 25	Pass
	+40	59.20	≥ 40	Pass
5300MHz	-40	58.84	≥ 40	Pass
	-20	36.87	≥ 25	Pass
	+20	36.76	≥ 25	Pass
	+40	58.63	≥ 40	Pass
5320MHz	-40	58.90	≥ 40	Pass
	-20	36.85	≥ 25	Pass
	+20	36.70	≥ 25	Pass
	+40	58.37	≥ 40	Pass
5500MHz	-40	58.56	≥ 40	Pass
	-20	36.95	≥ 25	Pass
	+20	37.36	≥ 25	Pass
	+40	58.40	≥ 40	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11a				
5600MHz	-40	58.21	≥ 40	Pass
	-20	37.16	≥ 25	Pass
	+20	36.99	≥ 25	Pass
	+40	58.68	≥ 40	Pass
5700MHz	-40	58.61	≥ 40	Pass
	-20	37.04	≥ 25	Pass
	+20	36.96	≥ 25	Pass
	+40	58.99	≥ 40	Pass
5720MHz	-40	58.53	≥ 40	Pass
	-20	36.86	≥ 25	Pass
	+20	37.35	≥ 25	Pass
	+40	58.95	≥ 40	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11ac-VHT20				
5180MHz	-40	57.71	≥ 40	Pass
	-20	36.05	≥ 25	Pass
	+20	34.90	≥ 25	Pass
	+40	58.99	≥ 40	Pass
5220MHz	-40	58.07	≥ 40	Pass
	-20	35.68	≥ 25	Pass
	+20	35.08	≥ 25	Pass
	+40	59.47	≥ 40	Pass
5240MHz	-40	58.18	≥ 40	Pass
	-20	36.03	≥ 25	Pass
	+20	35.34	≥ 25	Pass
	+40	59.42	≥ 40	Pass
5260MHz	-40	58.56	≥ 40	Pass
	-20	36.36	≥ 25	Pass
	+20	35.28	≥ 25	Pass
	+40	59.44	≥ 40	Pass
5300MHz	-40	58.88	≥ 40	Pass
	-20	36.08	≥ 25	Pass
	+20	35.12	≥ 25	Pass
	+40	58.68	≥ 40	Pass
5320MHz	-40	58.70	≥ 40	Pass
	-20	36.12	≥ 25	Pass
	+20	35.02	≥ 25	Pass
	+40	58.43	≥ 40	Pass
5500MHz	-40	58.25	≥ 40	Pass
	-20	36.38	≥ 25	Pass
	+20	35.23	≥ 25	Pass
	+40	58.35	≥ 40	Pass
5600MHz	-40	58.26	≥ 40	Pass
	-20	36.32	≥ 25	Pass
	+20	35.31	≥ 25	Pass
	+40	58.91	≥ 40	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11ac-VHT20				
5700MHz	-40	58.36	≥ 40	Pass
	-20	36.33	≥ 25	Pass
	+20	35.23	≥ 25	Pass
	+40	58.88	≥ 40	Pass
5720MHz	-40	58.39	≥ 40	Pass
	-20	36.59	≥ 25	Pass
	+20	35.29	≥ 25	Pass
	+40	58.92	≥ 40	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11ac-VHT40				
5190MHz	-80	54.95	≥ 40	Pass
	-40	48.24	≥ 25	Pass
	+40	47.82	≥ 25	Pass
	+80	57.53	≥ 40	Pass
5230MHz	-80	55.06	≥ 40	Pass
	-40	47.78	≥ 25	Pass
	+40	47.36	≥ 25	Pass
	+80	57.29	≥ 40	Pass
5270MHz	-80	55.48	≥ 40	Pass
	-40	48.04	≥ 25	Pass
	+40	47.06	≥ 25	Pass
	+80	56.56	≥ 40	Pass
5310MHz	-80	56.34	≥ 40	Pass
	-40	47.95	≥ 25	Pass
	+40	47.15	≥ 25	Pass
	+80	56.34	≥ 40	Pass
5510MHz	-80	56.50	≥ 40	Pass
	-40	47.08	≥ 25	Pass
	+40	46.07	≥ 25	Pass
	+80	56.81	≥ 40	Pass
5590MHz	-80	56.36	≥ 40	Pass
	-40	47.12	≥ 25	Pass
	+40	46.58	≥ 25	Pass
	+80	57.43	≥ 40	Pass
5670MHz	-80	56.37	≥ 40	Pass
	-40	47.38	≥ 25	Pass
	+40	46.89	≥ 25	Pass
	+80	57.51	≥ 40	Pass
5710MHz	-80	56.54	≥ 40	Pass
	-40	47.56	≥ 25	Pass
	+40	47.45	≥ 25	Pass
	+80	57.58	≥ 40	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11ac-VHT80				
5210MHz	-80	46.25	≥ 25	Pass
	+80	46.29	≥ 25	Pass
5290MHz	-80	46.69	≥ 25	Pass
	+80	46.11	≥ 25	Pass
5530MHz	-80	45.70	≥ 25	Pass
	+80	45.01	≥ 25	Pass
5610MHz	-80	45.93	≥ 25	Pass
	+80	45.55	≥ 25	Pass
5690MHz	-80	45.84	≥ 25	Pass
	+80	45.85	≥ 25	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11ax-HE20				
5180MHz	-40	57.68	≥ 40	Pass
	-20	37.24	≥ 25	Pass
	+20	39.00	≥ 25	Pass
	+40	58.70	≥ 40	Pass
5220MHz	-40	57.95	≥ 40	Pass
	-20	36.58	≥ 25	Pass
	+20	39.33	≥ 25	Pass
	+40	59.09	≥ 40	Pass
5240MHz	-40	58.29	≥ 40	Pass
	-20	36.66	≥ 25	Pass
	+20	39.34	≥ 25	Pass
	+40	59.18	≥ 40	Pass
5260MHz	-40	58.61	≥ 40	Pass
	-20	37.20	≥ 25	Pass
	+20	39.19	≥ 25	Pass
	+40	59.07	≥ 40	Pass
5300MHz	-40	59.33	≥ 40	Pass
	-20	36.74	≥ 25	Pass
	+20	39.48	≥ 25	Pass
	+40	58.76	≥ 40	Pass
5320MHz	-40	59.29	≥ 40	Pass
	-20	36.15	≥ 25	Pass
	+20	39.56	≥ 25	Pass
	+40	58.52	≥ 40	Pass
5500MHz	-40	58.20	≥ 40	Pass
	-20	36.11	≥ 25	Pass
	+20	39.73	≥ 25	Pass
	+40	57.88	≥ 40	Pass
5600MHz	-40	58.15	≥ 40	Pass
	-20	36.22	≥ 25	Pass
	+20	39.67	≥ 25	Pass
	+40	58.48	≥ 40	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11ax-HE20				
5700MHz	-40	58.46	≥ 40	Pass
	-20	36.41	≥ 25	Pass
	+20	39.51	≥ 25	Pass
	+40	58.45	≥ 40	Pass
5720MHz	-40	58.66	≥ 40	Pass
	-20	36.15	≥ 25	Pass
	+20	39.79	≥ 25	Pass
	+40	58.76	≥ 40	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11ax-HE40				
5190MHz	-80	55.32	≥ 40	Pass
	-40	46.99	≥ 25	Pass
	+40	46.95	≥ 25	Pass
	+80	57.88	≥ 40	Pass
5230MHz	-80	55.37	≥ 40	Pass
	-40	47.20	≥ 25	Pass
	+40	46.82	≥ 25	Pass
	+80	57.56	≥ 40	Pass
5270MHz	-80	55.77	≥ 40	Pass
	-40	46.91	≥ 25	Pass
	+40	46.99	≥ 25	Pass
	+80	56.87	≥ 40	Pass
5310MHz	-80	56.32	≥ 40	Pass
	-40	47.27	≥ 25	Pass
	+40	47.20	≥ 25	Pass
	+80	56.42	≥ 40	Pass
5510MHz	-80	55.69	≥ 40	Pass
	-40	46.06	≥ 25	Pass
	+40	45.66	≥ 25	Pass
	+80	55.95	≥ 40	Pass
5590MHz	-80	56.01	≥ 40	Pass
	-40	46.31	≥ 25	Pass
	+40	46.91	≥ 25	Pass
	+80	56.96	≥ 40	Pass
5670MHz	-80	56.15	≥ 40	Pass
	-40	46.60	≥ 25	Pass
	+40	47.02	≥ 25	Pass
	+80	57.31	≥ 40	Pass
5710MHz	-80	56.16	≥ 40	Pass
	-40	46.88	≥ 25	Pass
	+40	47.47	≥ 25	Pass
	+80	57.37	≥ 40	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11ax-HE80				
5210MHz	-80	47.53	≥ 25	Pass
	+80	47.45	≥ 25	Pass
5290MHz	-80	47.54	≥ 25	Pass
	+80	47.07	≥ 25	Pass
5530MHz	-80	46.54	≥ 25	Pass
	+80	46.57	≥ 25	Pass
5610MHz	-80	46.99	≥ 25	Pass
	+80	46.67	≥ 25	Pass
5690MHz	-80	47.07	≥ 25	Pass
	+80	47.21	≥ 25	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11be-EHT20				
5180MHz	-40	58.07	≥ 40	Pass
	-20	36.91	≥ 25	Pass
	+20	38.79	≥ 25	Pass
	+40	58.95	≥ 40	Pass
5220MHz	-40	58.22	≥ 40	Pass
	-20	36.27	≥ 25	Pass
	+20	39.34	≥ 25	Pass
	+40	59.26	≥ 40	Pass
5240MHz	-40	58.49	≥ 40	Pass
	-20	36.12	≥ 25	Pass
	+20	39.27	≥ 25	Pass
	+40	59.40	≥ 40	Pass
5260MHz	-40	58.73	≥ 40	Pass
	-20	36.57	≥ 25	Pass
	+20	39.00	≥ 25	Pass
	+40	59.20	≥ 40	Pass
5300MHz	-40	59.14	≥ 40	Pass
	-20	36.34	≥ 25	Pass
	+20	39.43	≥ 25	Pass
	+40	58.82	≥ 40	Pass
5320MHz	-40	59.48	≥ 40	Pass
	-20	36.43	≥ 25	Pass
	+20	39.19	≥ 25	Pass
	+40	58.75	≥ 40	Pass
5500MHz	-40	58.39	≥ 40	Pass
	-20	36.37	≥ 25	Pass
	+20	39.60	≥ 25	Pass
	+40	58.00	≥ 40	Pass
5600MHz	-40	58.12	≥ 40	Pass
	-20	35.98	≥ 25	Pass
	+20	39.70	≥ 25	Pass
	+40	58.26	≥ 40	Pass

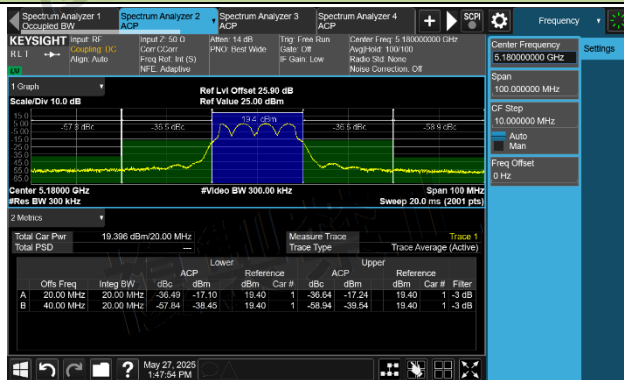
Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11be-EHT20				
5700MHz	-40	58.51	≥ 40	Pass
	-20	35.80	≥ 25	Pass
	+20	39.38	≥ 25	Pass
	+40	58.51	≥ 40	Pass
5720MHz	-40	58.41	≥ 40	Pass
	-20	36.61	≥ 25	Pass
	+20	39.65	≥ 25	Pass
	+40	58.59	≥ 40	Pass

Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11be-EHT40				
5190MHz	-80	55.30	≥ 40	Pass
	-40	47.21	≥ 25	Pass
	+40	46.56	≥ 25	Pass
	+80	57.79	≥ 40	Pass
5230MHz	-80	55.33	≥ 40	Pass
	-40	46.87	≥ 25	Pass
	+40	47.36	≥ 25	Pass
	+80	57.37	≥ 40	Pass
5270MHz	-80	55.61	≥ 40	Pass
	-40	47.08	≥ 25	Pass
	+40	47.28	≥ 25	Pass
	+80	56.65	≥ 40	Pass
5310MHz	-80	56.42	≥ 40	Pass
	-40	46.77	≥ 25	Pass
	+40	47.12	≥ 25	Pass
	+80	56.47	≥ 40	Pass
5510MHz	-80	55.45	≥ 40	Pass
	-40	45.31	≥ 25	Pass
	+40	45.18	≥ 25	Pass
	+80	55.72	≥ 40	Pass
5590MHz	-80	56.08	≥ 40	Pass
	-40	45.68	≥ 25	Pass
	+40	46.16	≥ 25	Pass
	+80	57.01	≥ 40	Pass
5670MHz	-80	55.99	≥ 40	Pass
	-40	45.74	≥ 25	Pass
	+40	46.57	≥ 25	Pass
	+80	57.28	≥ 40	Pass
5710MHz	-80	56.16	≥ 40	Pass
	-40	45.76	≥ 25	Pass
	+40	46.82	≥ 25	Pass
	+80	57.27	≥ 40	Pass

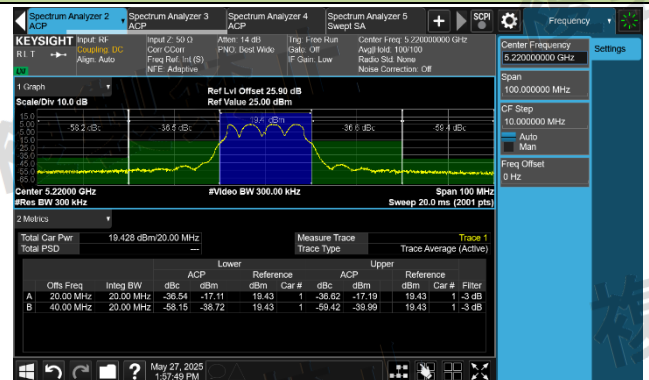
Test Mode	Frequency Range (MHz)	Measurement Value (dBc)	Limit (dBc)	Result
802.11be-EHT80				
5210MHz	-80	47.02	≥ 25	Pass
	+80	46.74	≥ 25	Pass
5290MHz	-80	46.95	≥ 25	Pass
	+80	46.73	≥ 25	Pass
5530MHz	-80	45.59	≥ 25	Pass
	+80	45.17	≥ 25	Pass
5610MHz	-80	45.79	≥ 25	Pass
	+80	46.21	≥ 25	Pass
5690MHz	-80	45.47	≥ 25	Pass
	+80	45.89	≥ 25	Pass

802.11a Adjacent Channel Emitted Power

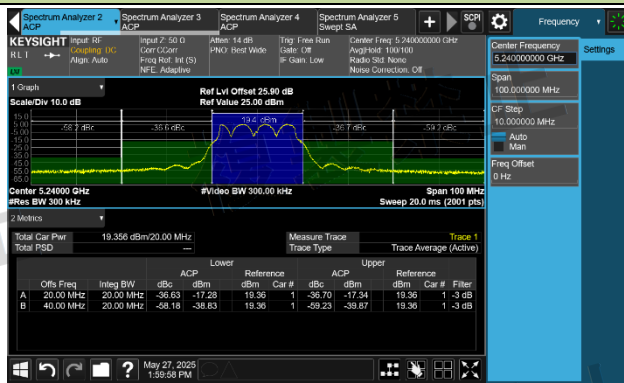
5180MHz



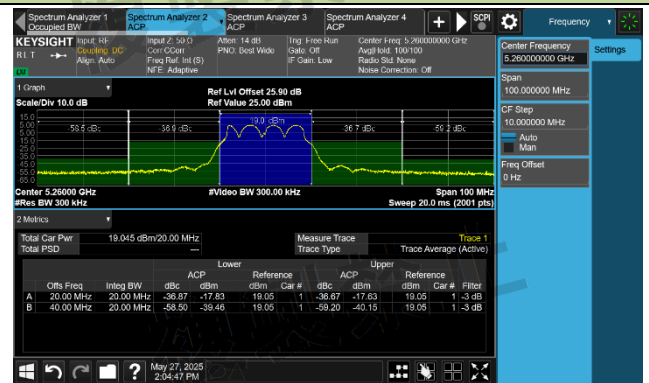
5220MHz



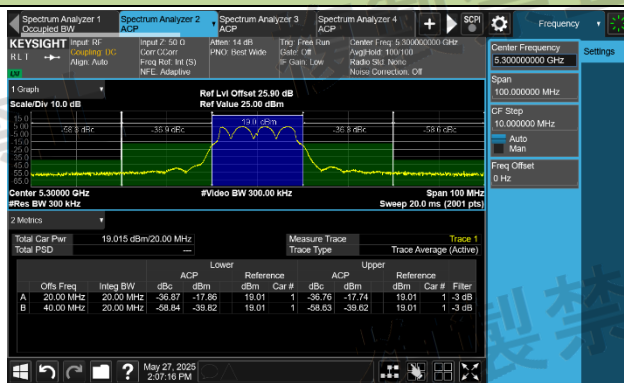
5240MHz



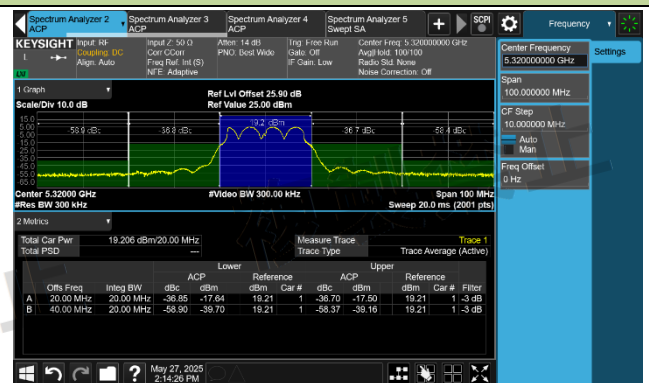
5260MHz



5300MHz

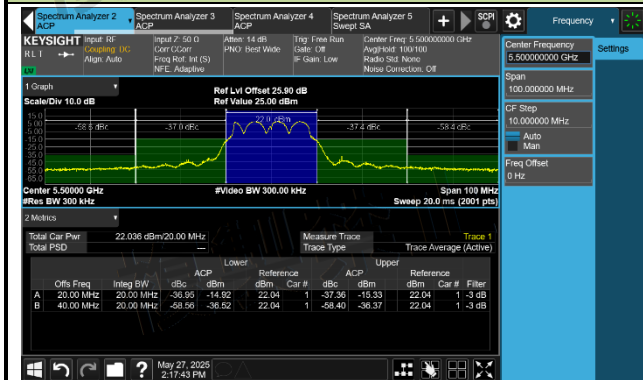


5320MHz

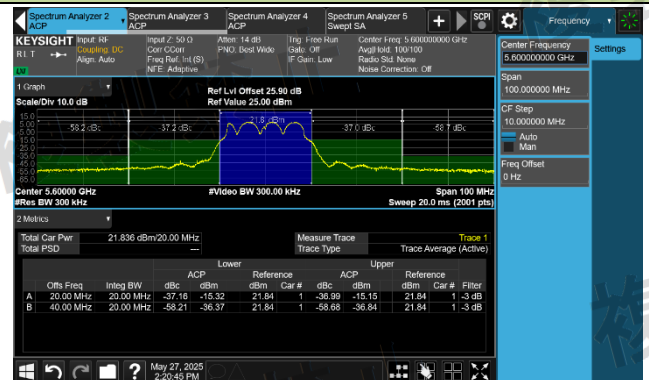


802.11a Adjacent Channel Emitted Power

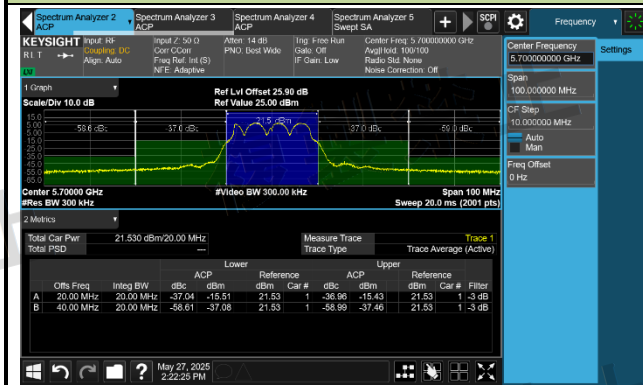
5500MHz



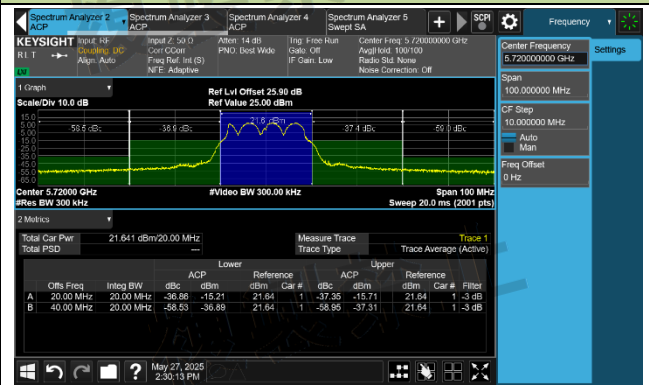
5600MHz



5700MHz

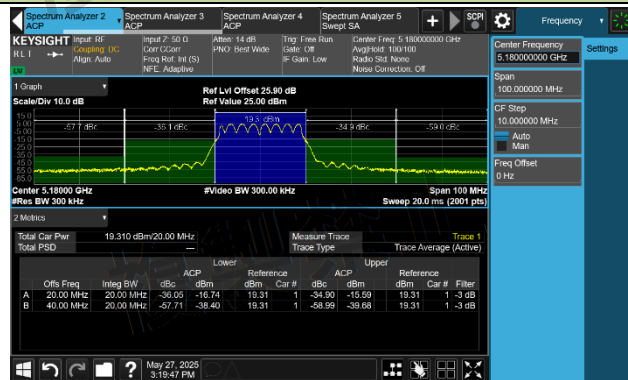


5720MHz

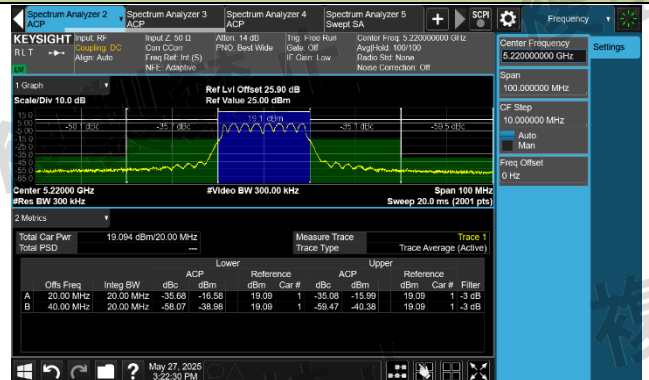


802.11ac-VHT20 Adjacent Channel Emitted Power

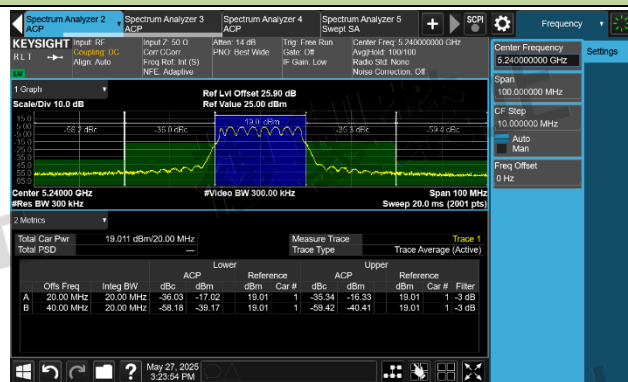
5180MHz



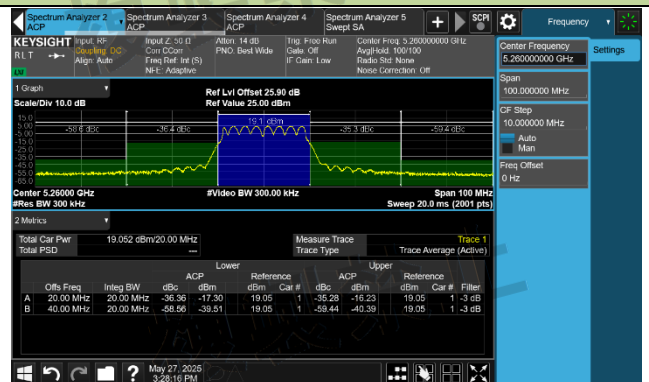
5220MHz



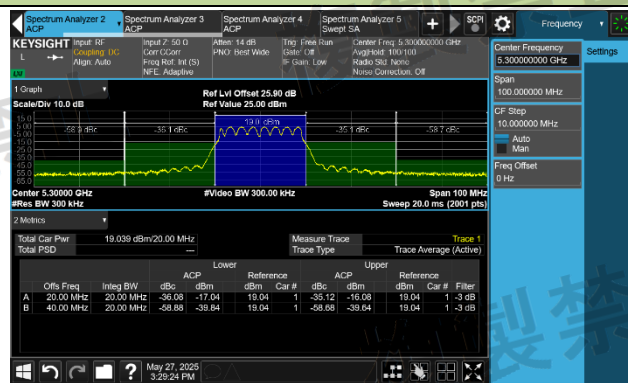
5240MHz



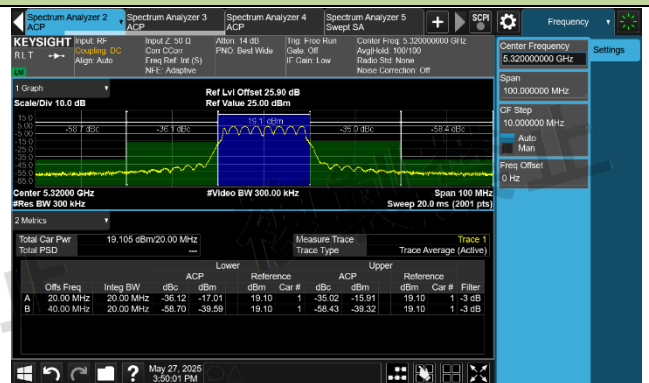
5260MHz



5300MHz

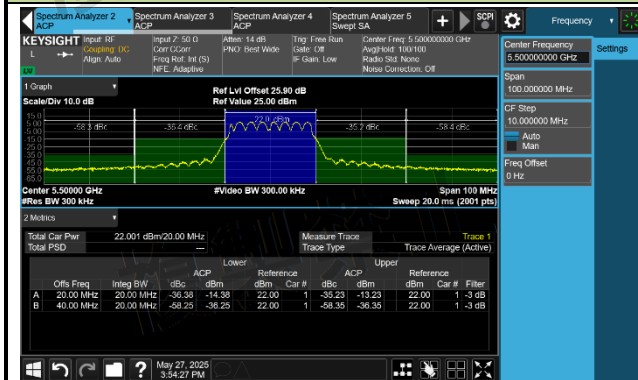


5320MHz

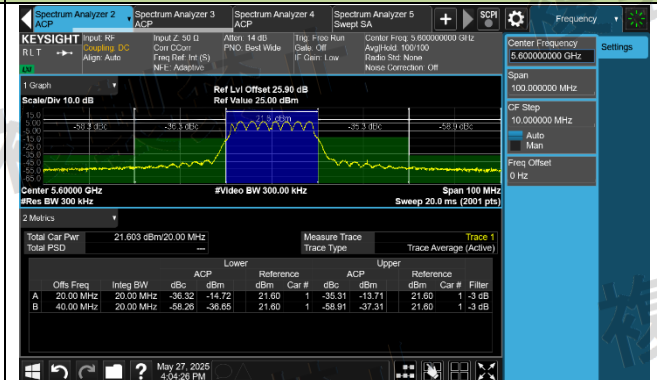


802.11ac-VHT20 Adjacent Channel Emittted Power

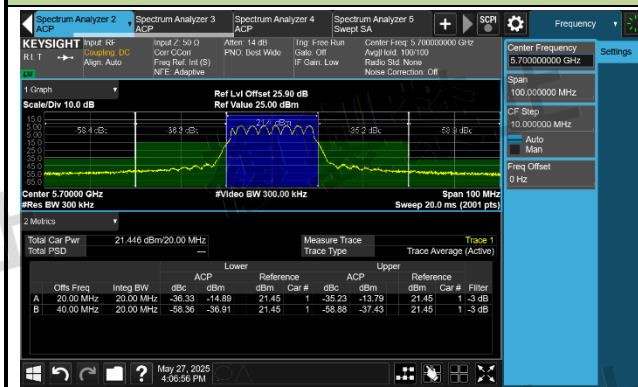
5500MHz



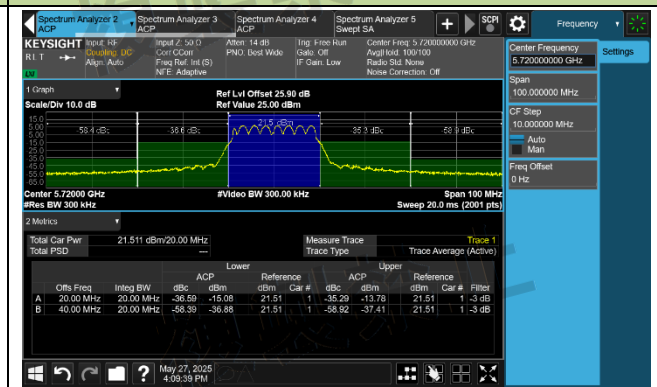
5600MHz



5700MHz

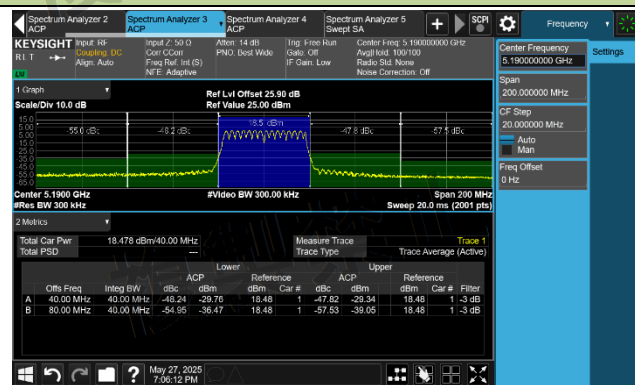


5720MHz

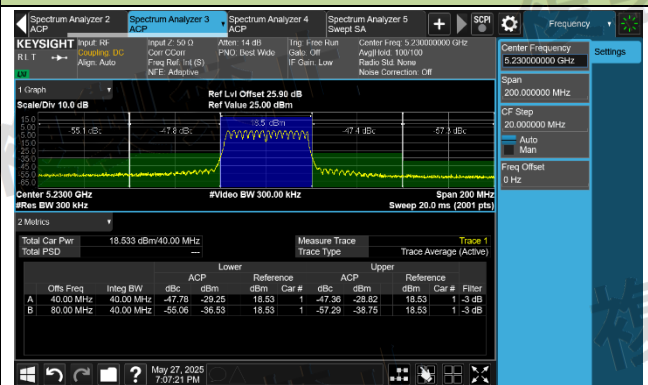


802.11ac-VHT40 Adjacent Channel Emitted Power

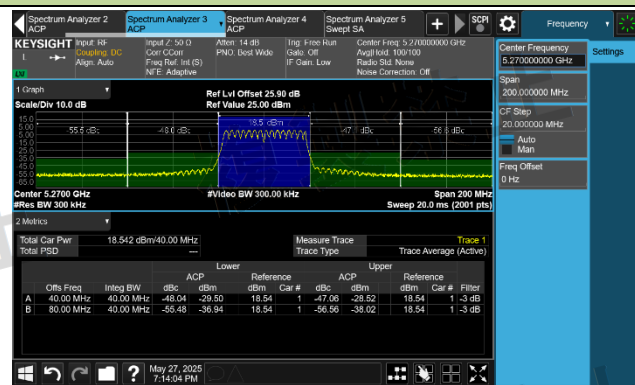
5190MHz



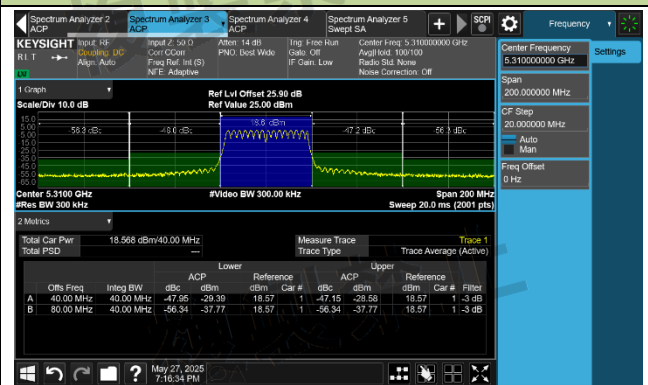
5230MHz



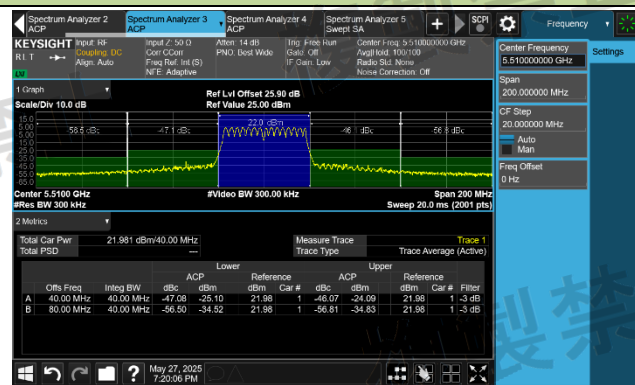
5270MHz



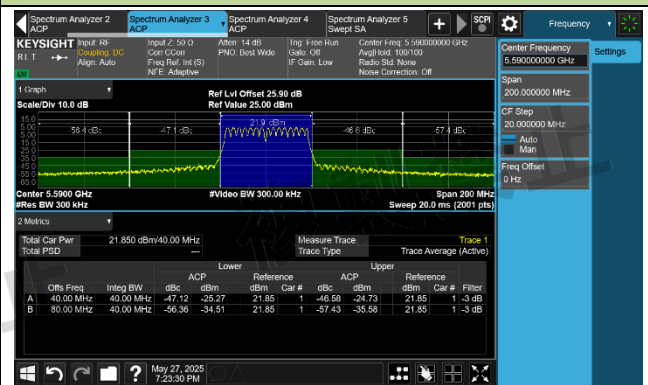
5310MHz

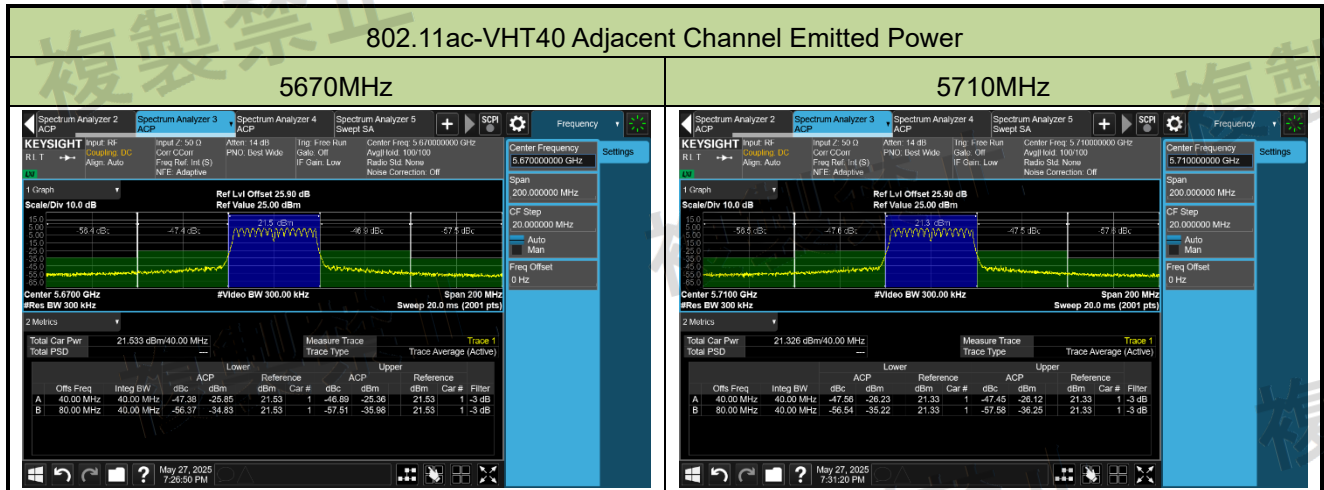


5510MHz

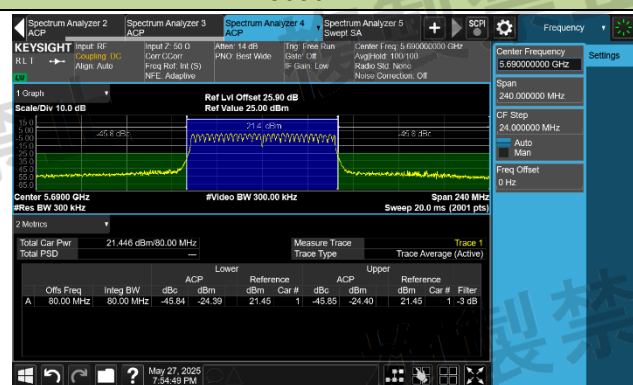
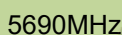
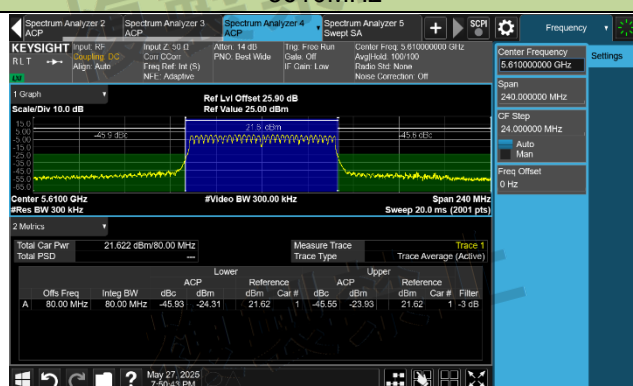
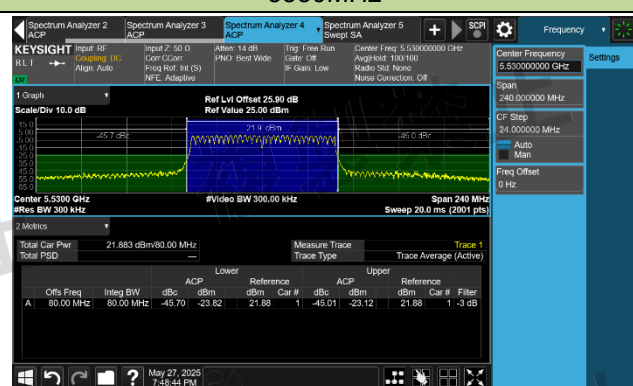
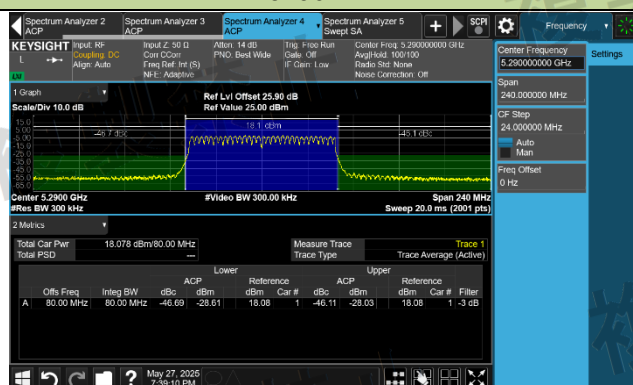
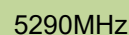
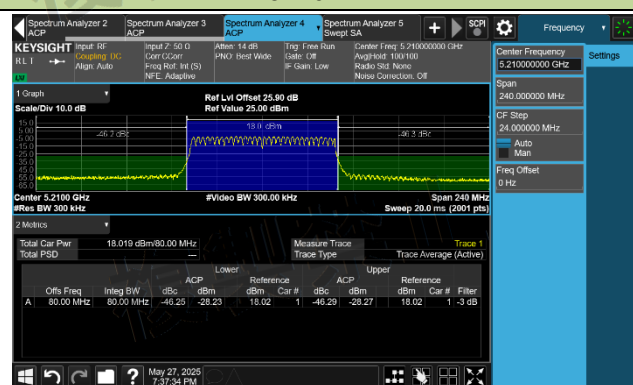
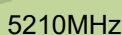


5590MHz



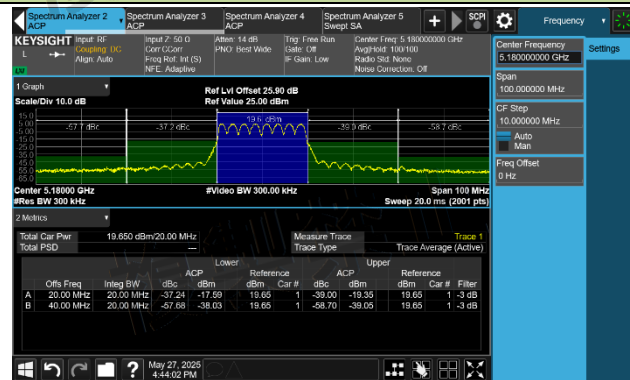


802.11ac-VHT80 Adjacent Channel Emittted Power

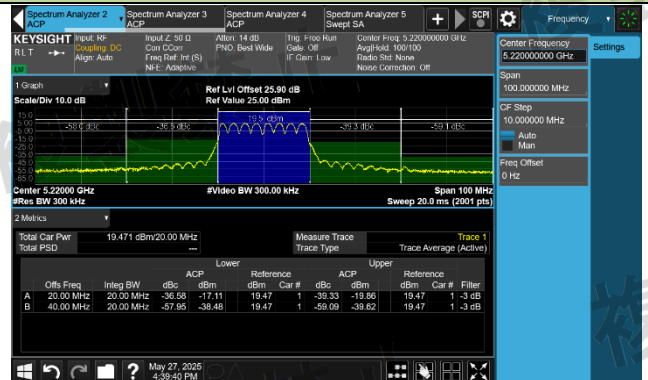


802.11ax-HE20 Adjacent Channel Emitted Power

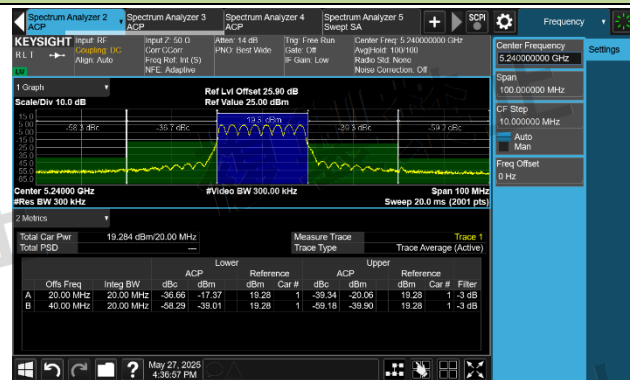
5180MHz



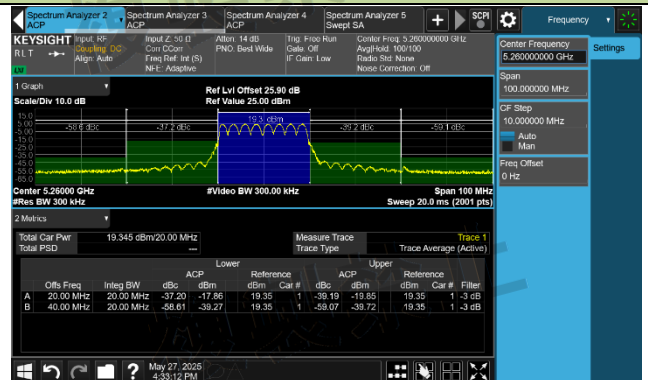
5220MHz



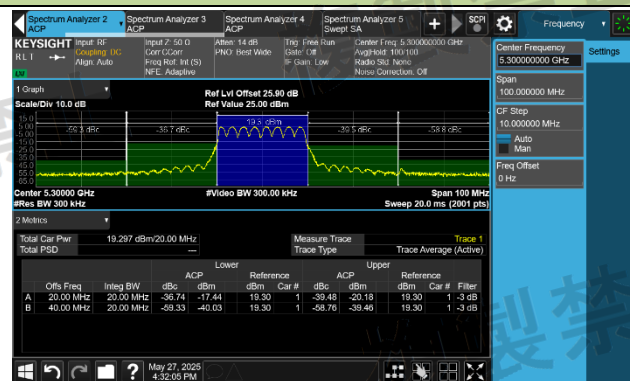
5240MHz



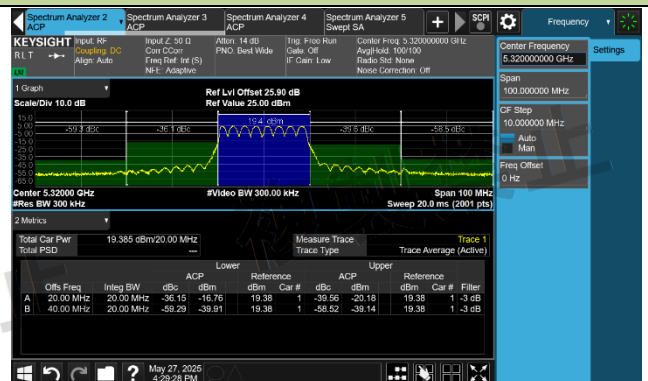
5260MHz



5300MHz

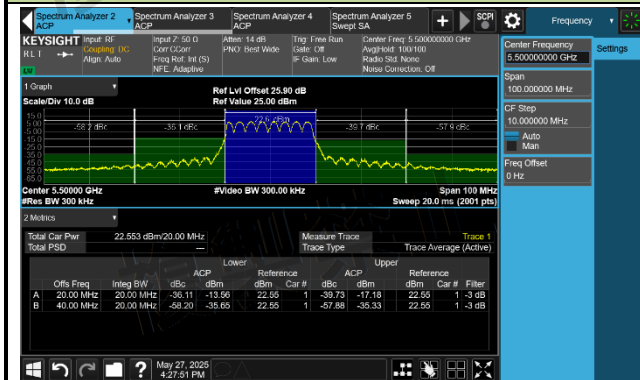


5320MHz

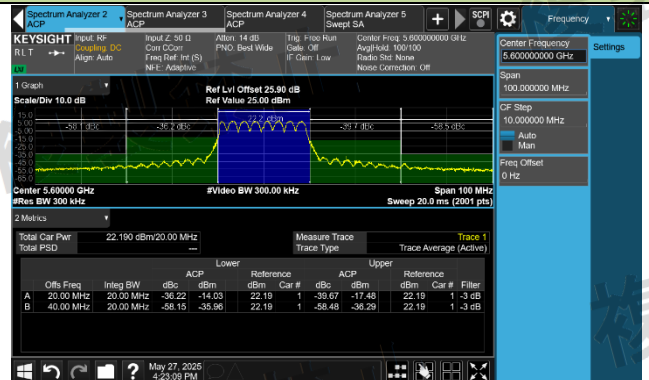


802.11ax-HE20 Adjacent Channel Emitted Power

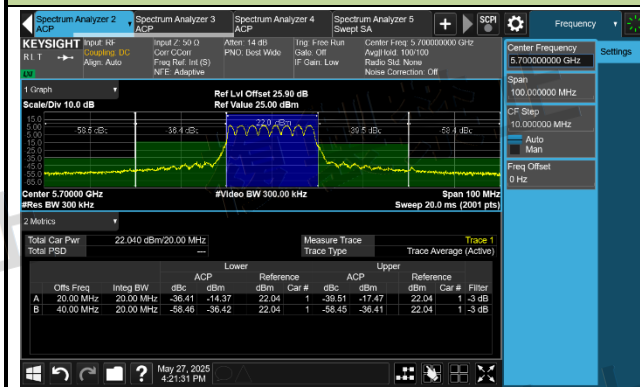
5500MHz



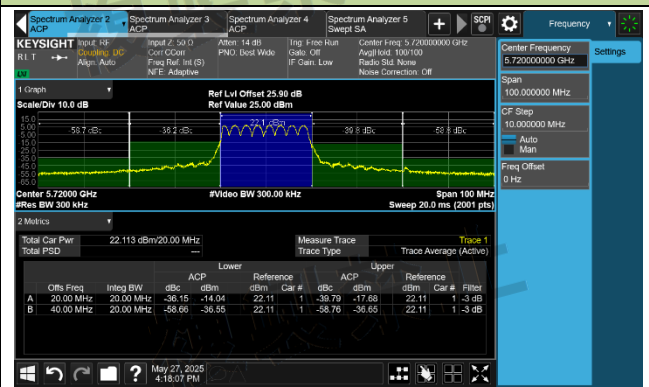
5600MHz



5700MHz

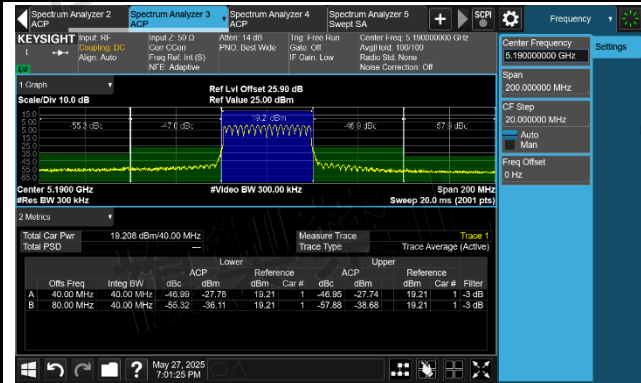


5720MHz

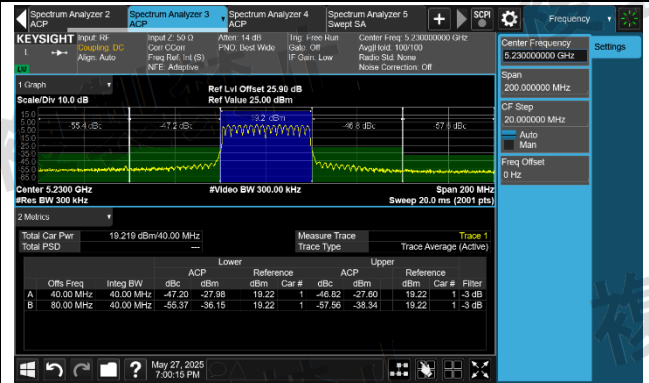


802.11ax-HE40 Adjacent Channel Emitted Power

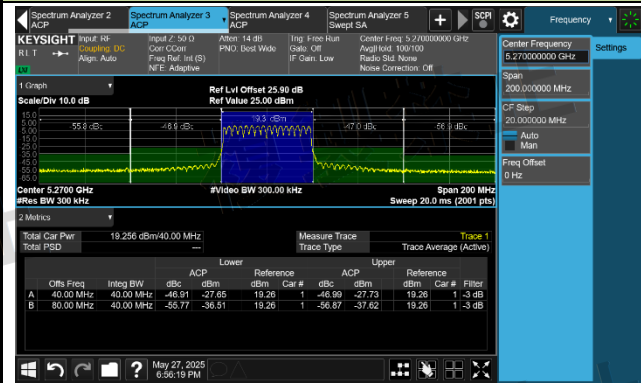
5190MHz



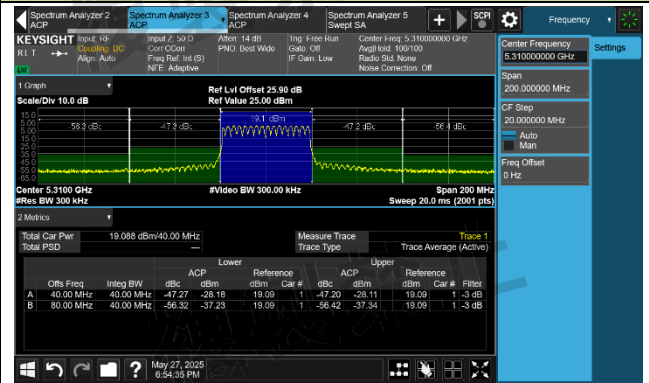
5230MHz



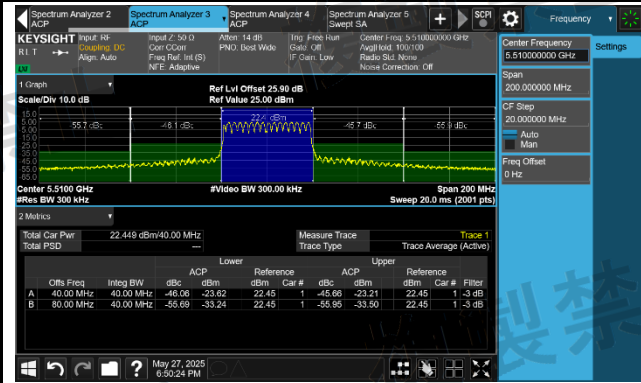
5270MHz



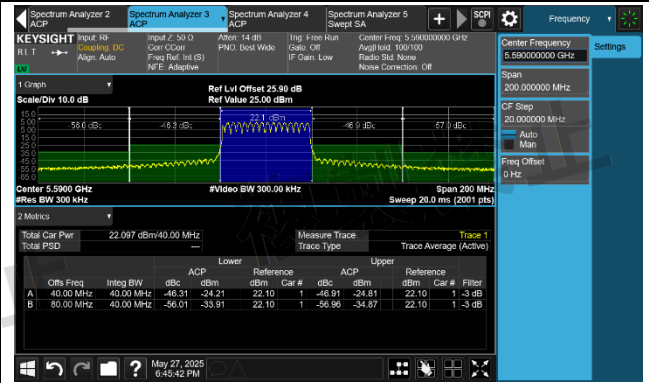
5310MHz

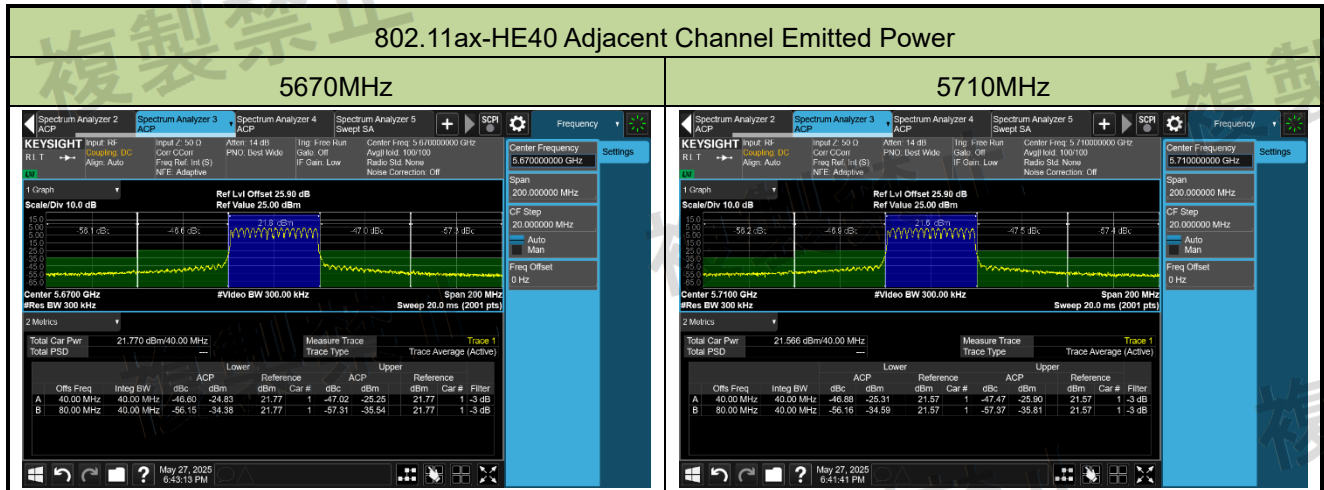


5510MHz



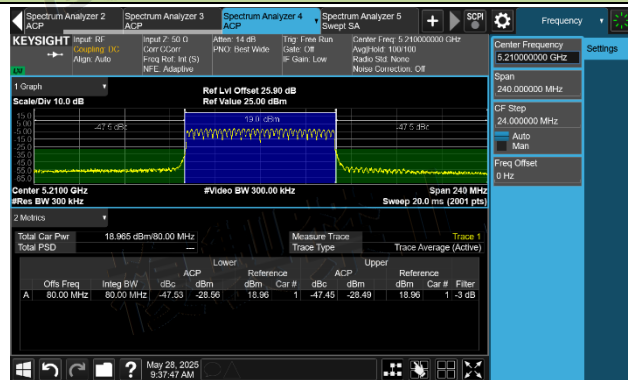
5590MHz



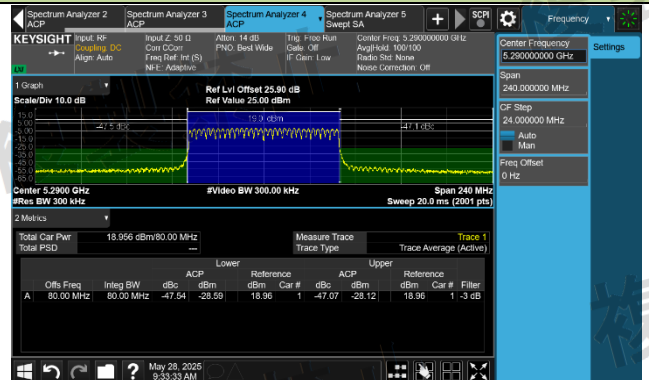


802.11ax-HE80 Adjacent Channel Emitted Power

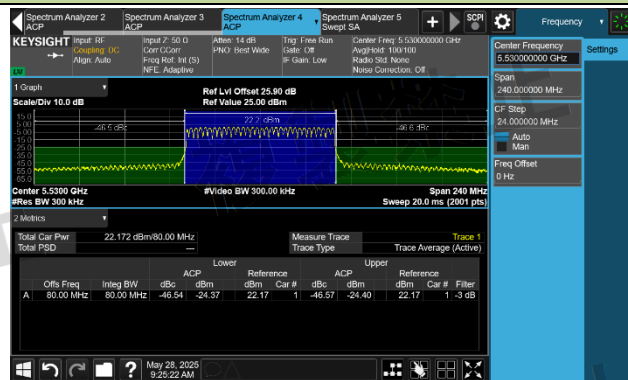
5210MHz



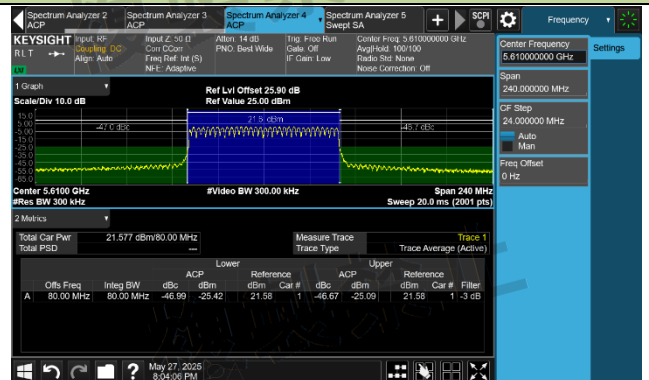
5290MHz



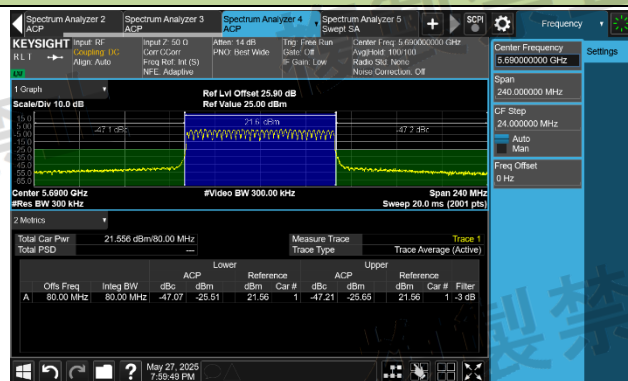
5530MHz



5610MHz

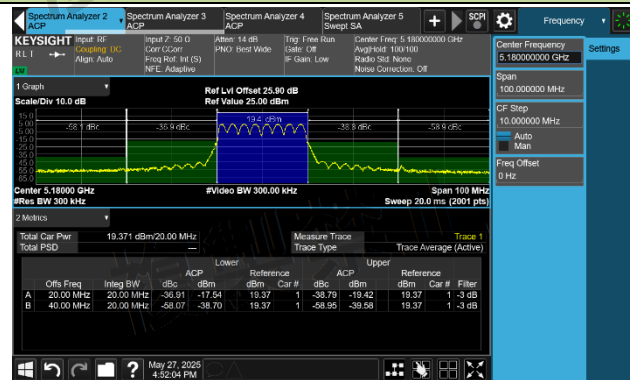


5690MHz

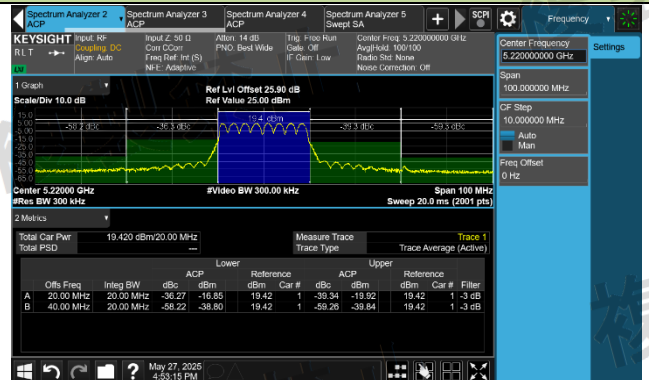


802.11be-EHT20 Adjacent Channel Emittted Power

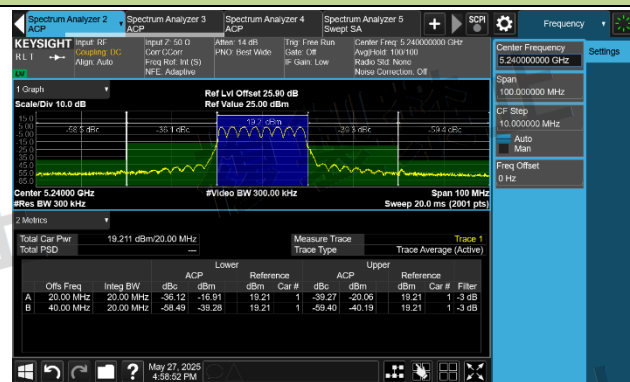
5180MHz



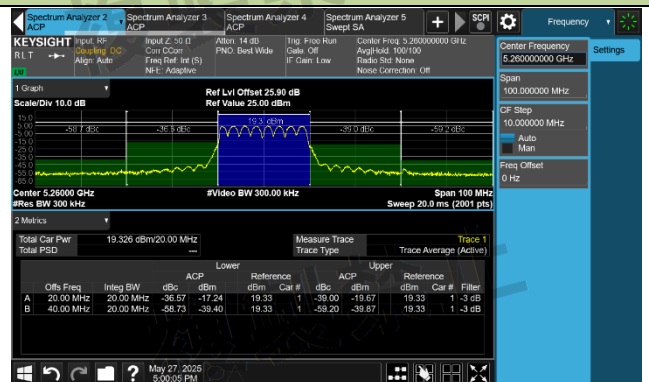
5220MHz



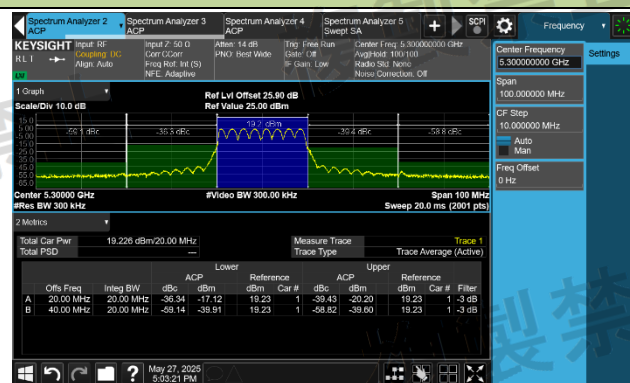
5240MHz



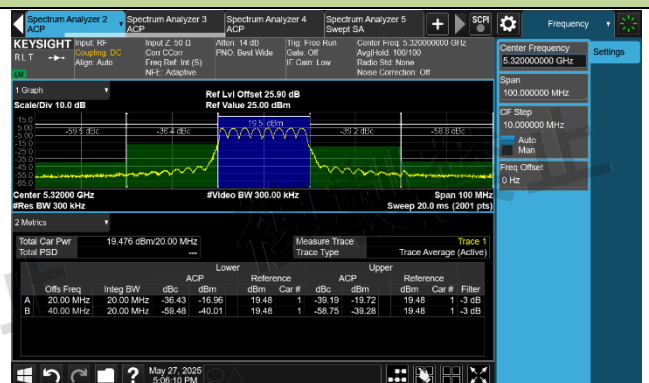
5260MHz



5300MHz

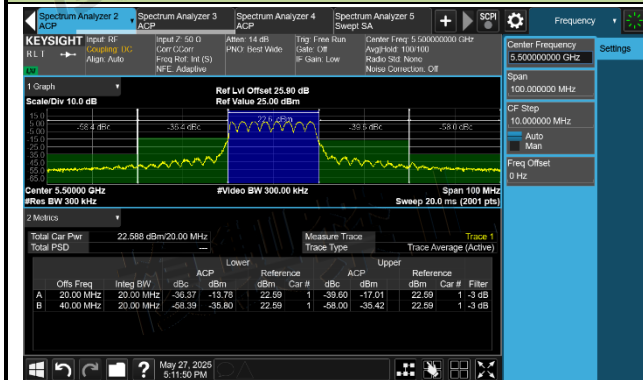


5320MHz

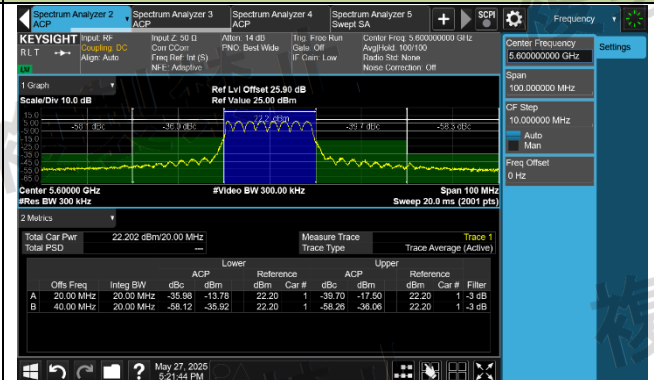


802.11be-EHT20 Adjacent Channel Emitted Power

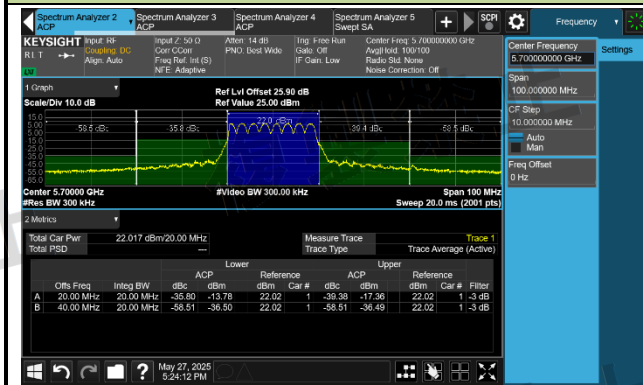
5500MHz



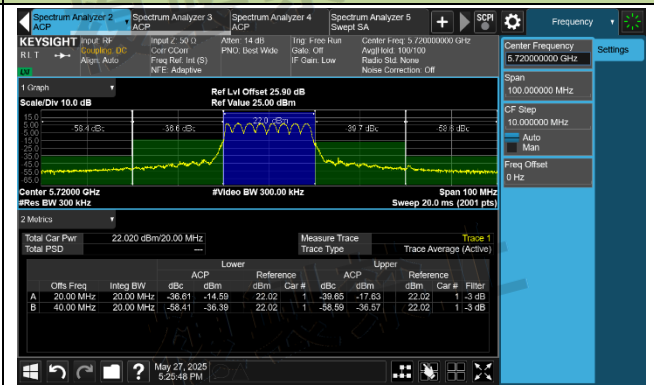
5600MHz



5700MHz

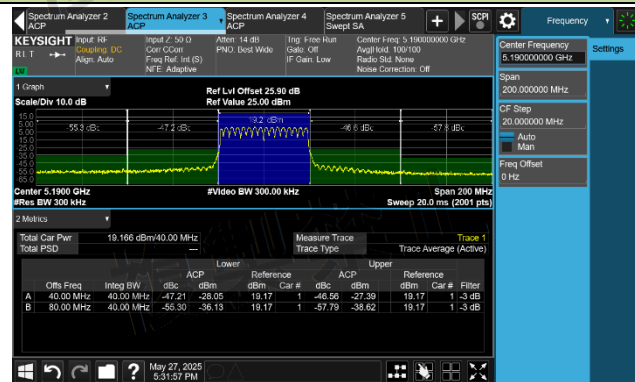


5720MHz

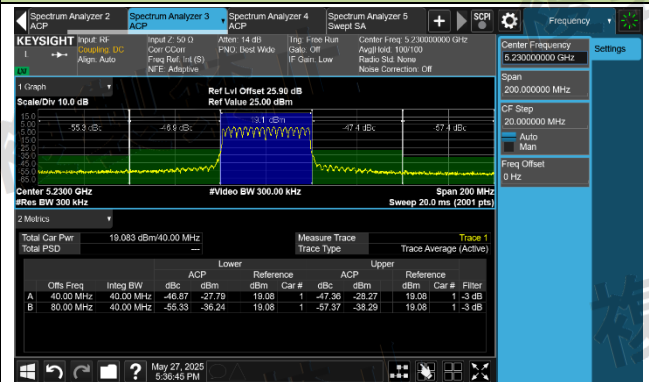


802.11be-EHT40 Adjacent Channel Emitted Power

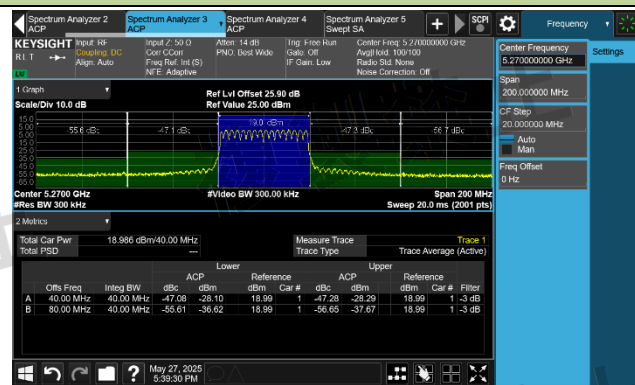
5190MHz



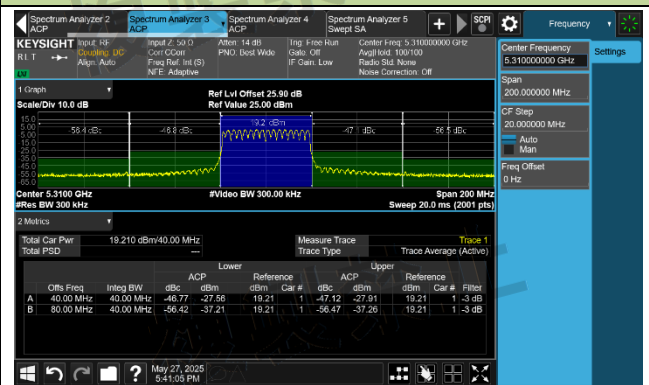
5230MHz



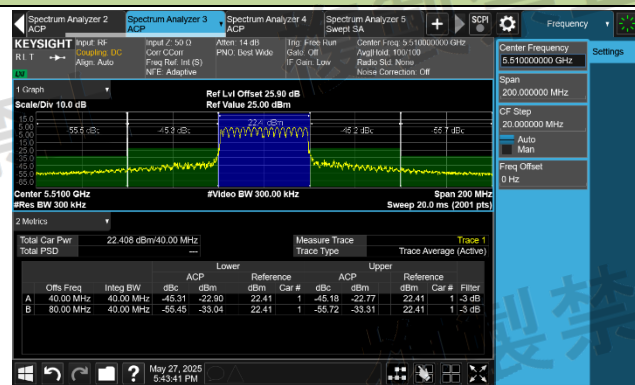
5270MHz



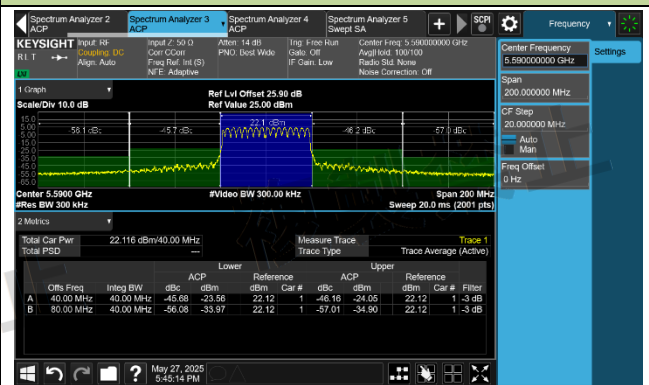
5310MHz

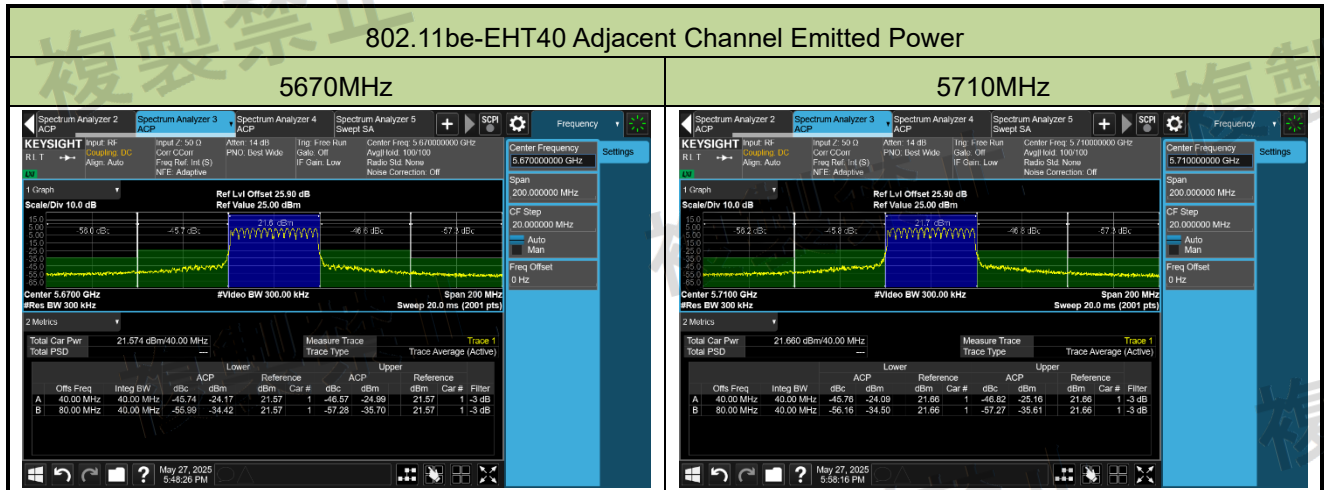


5510MHz

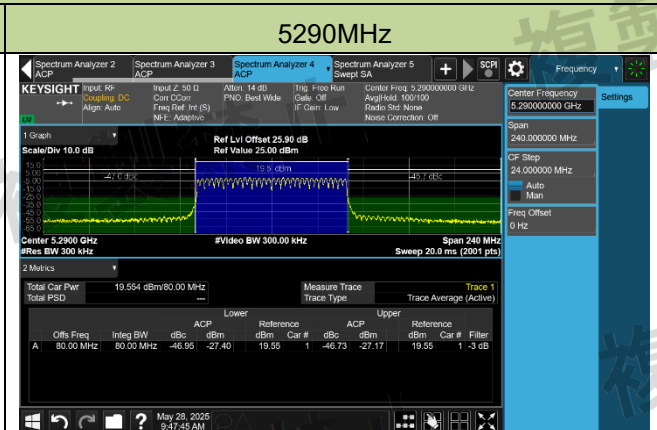
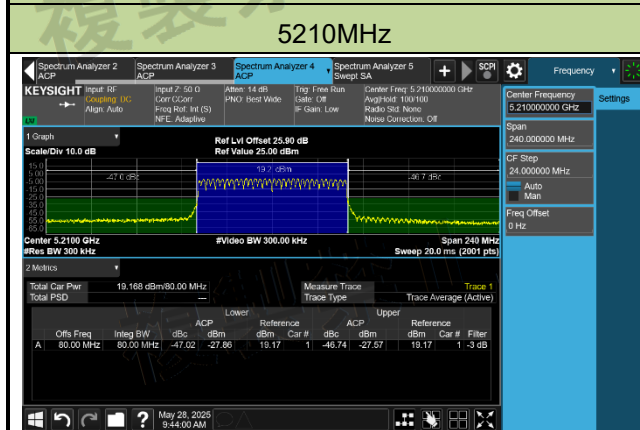


5590MHz

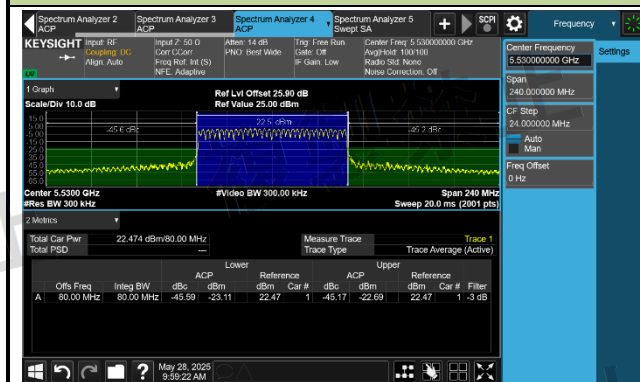




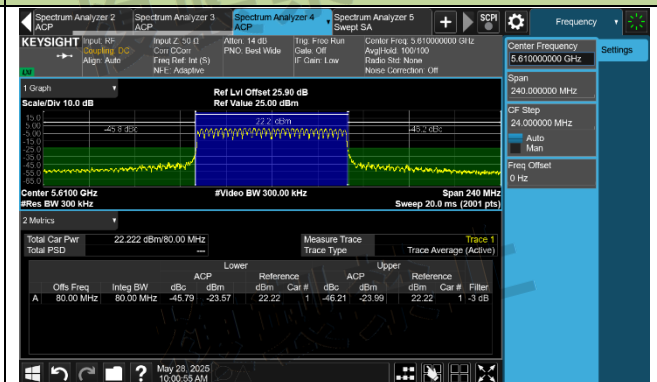
802.11be-EHT80 Adjacent Channel Emitted Power



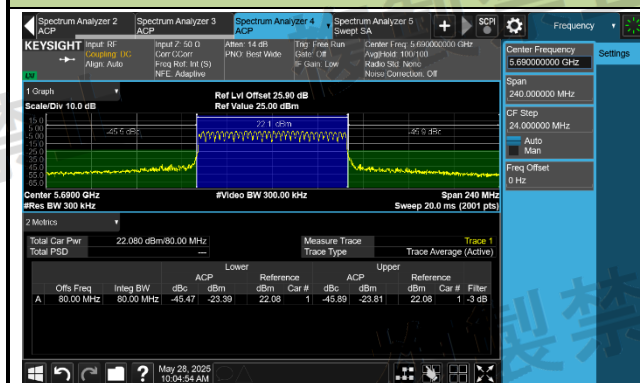
5530MHz



5610MHz



5690MHz



5.6. Unwanted Emission Strength Measurement

5.6.1. Test Limit

W52 Band	
20MHz BW & OBW: 18MHz or Less	20MHz BW & OBW: 18 - 20MHz
$\leq 2.5\mu\text{W/MHz}$ for 30 - 5142MHz $\leq 15\mu\text{W/MHz}$ for 5142 - 5150MHz $\leq 10^{[1-(f-9)]}\text{mW/MHz}$ for 5250 - 5251MHz $\leq 10^{[-1-(8/90)*(f-11)]}\text{mW/MHz}$ for 5251 - 5260MHz $\leq 10^{[-1.8-(6/50)*(f-20)]}\text{mW/MHz}$ for 5260 - 5266.7MHz $\leq 2.5\mu\text{W/MHz}$ for 5266.7 - 26000MHz $f = \text{MHz}$, Difference from 5240 (MHz)	$\leq 2.5\mu\text{W/MHz}$ for 30 - 5142MHz $\leq 15\mu\text{W/MHz}$ for 5142 - 5150MHz $\leq 10^{[1-(8/3)*(f-9.75)]}\text{mW/MHz}$ for 5250 - 5250.2MHz $\leq 10^{[1-(f-9)]}\text{mW/MHz}$ for 5250.2 - 5251MHz $\leq 10^{[-1-(8/90)*(f-11)]}\text{mW/MHz}$ for 5251 - 5260MHz $\leq 10^{[-1.8-(6/50)*(f-20)]}\text{mW/MHz}$ for 5260 - 5266.7MHz $\leq 2.5\mu\text{W/MHz}$ for 5266.7 - 26000MHz $f = \text{MHz}$, Difference from 5240 (MHz)
40MHz BW	80MHz BW
$\leq 2.5\mu\text{W/MHz}$ for 30 - 5141.6MHz $\leq 15\mu\text{W/MHz}$ for 5141.6 - 5150MHz $\leq 10^{[-(f-20)+\log(1/2)]}\text{mW/MHz}$ for 5250 - 5251MHz $\leq 10^{[-(8/190)*(f-21)-1+\log(1/2)]}\text{mW/MHz}$ for 5251 - 5270MHz $\leq 10^{[-(3/50)*(f-40)-1.8+\log(1/2)]}\text{mW/MHz}$ for 5270 - 5278.4MHz $\leq 2.5\mu\text{W}$ for 5278.4 - 26000MHz $f = \text{MHz}$, Difference from 5230 (MHz)	$\leq 2.5\mu\text{W/MHz}$ for 30 - 5123.2MHz $\leq 15\mu\text{W/MHz}$ for 5123.2 - 5150MHz $\leq 10^{[-(f-40)+\log(1/4)]}\text{mW/MHz}$ for 5250 - 5251MHz $\leq 10^{[-(8/390)*(f-41)-1+\log(1/4)]}\text{mW/MHz}$ for 5251 - 5290MHz $\leq 10^{[-(3/100)*(f-80)-1.8+\log(1/4)]}\text{mW/MHz}$ for 5290 - 5296.7MHz $\leq 2.5\mu\text{W}$ for 5296.7 - 26000MHz $f = \text{MHz}$, Difference from 5210 (MHz)
W53 Band	
20MHz BW & OBW: 18MHz or Less	20MHz BW & OBW: 18 - 20MHz
$\leq 2.5\mu\text{W/MHz}$ for 30 - 5233.3MHz $\leq 10^{[-1.8-(6/50)*(f-20)]}\text{mW/MHz}$ for 5233.3 - 5240MHz $\leq 10^{[-1-(8/90)*(f-11)]}\text{mW/MHz}$ for 5240 - 5249MHz $\leq 10^{[1-(f-9)]}\text{mW/MHz}$ for 5249 - 5250MHz $\leq 2.5\mu\text{W/MHz}$ for 5350 - 26000MHz $f = \text{MHz}$, Difference from 5260 (MHz)	$\leq 2.5\mu\text{W/MHz}$ for 30 - 5233.3MHz $\leq 10^{[-1.8-(6/50)*(f-20)]}\text{mW/MHz}$ for 5233.3 - 5240MHz $\leq 10^{[-1-(8/90)*(f-11)]}\text{mW/MHz}$ for 5240 - 5249MHz $\leq 10^{[1-(f-9)]}\text{mW/MHz}$ for 5249 - 5249.8MHz $\leq 10^{[1-(8/3)*(f-9.75)]}\text{mW/MHz}$ for 5249.8 - 5250MHz $\leq 2.5\mu\text{W/MHz}$ for 5350 - 26000MHz $f = \text{MHz}$, Difference from 5260 (MHz)

40MHz BW	80MHz BW
$\leq 2.5\mu\text{W/MHz}$ for 30 - 5221.6MHz $\leq 10^{[-(3/50)*(f-40)-1.8+\log(1/2)]}\text{mW/MHz}$ for 5221.6 - 5230MHz $\leq 10^{[-(8/190)*(f-21)-1+\log(1/2)]}\text{mW/MHz}$ for 5230 - 5249MHz $\leq 10^{[-(f-20)+\log(1/2)]}\text{mW/MHz}$ for 5249 - 5250MHz $\leq 15\mu\text{W}$ for 5350 - 5358.4MHz $\leq 2.5\mu\text{W}$ for 5358.4-26000MHz f = MHz, Difference from 5270 (MHz)	$\leq 2.5\mu\text{W/MHz}$ for 30 - 5203.3MHz $\leq 10^{[-(3/100)*(f-80)-1.8+\log(1/4)]}\text{mW/MHz}$ for 5203.3 - 5210MHz $\leq 10^{[-(8/390)*(f-41)-1+\log(1/4)]}\text{mW/MHz}$ for 5210 - 5249MHz $\leq 10^{[-(f-40)+\log(1/4)]}\text{mW/MHz}$ for 5249 - 5250MHz $\leq 15\mu\text{W}$ for 5350 - 5376.8MHz $\leq 2.5\mu\text{W}$ for 5376.8-26000MHz f = MHz, Difference from 5290 (MHz)
W52 + W53 Band	
160MHz BW	
$\leq 2.5\mu\text{W/MHz}$ for 30 - 5099.6MHz $\leq 15\mu\text{W/MHz}$ for 5099.6 - 5150MHz $\leq 15\mu\text{W/MHz}$ for 5350 - 5400.4MHz $\leq 2.5\mu\text{W/MHz}$ for 5400.4 - 26000MHz	
W56 Band	
20MHz BW	40MHz BW
$\leq 2.5\mu\text{W/MHz}$ for 30 - 5460MHz $\leq 12.5\mu\text{W/MHz}$ for 5460 - 5470MHz $\leq 12.5\mu\text{W/MHz}$ for 5745 - 5765MHz $\leq 2.5\mu\text{W/MHz}$ for 5765 - 26000MHz	$\leq 12.5\mu\text{W/MHz}$ for 30 - 5460MHz $\leq 50\mu\text{W/MHz}$ for 5460 - 5470MHz $\leq 12.5\mu\text{W/MHz}$ for 5770 - 26000MHz
80MHz BW	160MHz BW
$\leq 12.5\mu\text{W/MHz}$ for 30 - 5460MHz $\leq 50\mu\text{W/MHz}$ for 5460 - 5469.5MHz $\leq 51.2\mu\text{W/MHz}$ for 5469.5 - 5470MHz $\leq 12.5\mu\text{W/MHz}$ for 5770 - 26000MHz	$\leq 12.5\mu\text{W/MHz}$ for 30 - 5419.6MHz $\leq 50\mu\text{W/MHz}$ for 5419.6 - 5470MHz $\leq 12.5\mu\text{W/MHz}$ for 5725 - 26000MHz

5.6.2. Test Procedure

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

A positive peak detector function must be used.

The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slowly, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.

'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

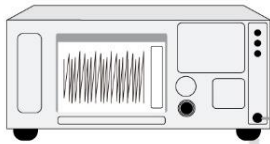
If the peak power is over the limit, the follow procedure as below shall be used.

Spectrum analyzer setting as below

1. Center Frequency: Searched Frequency
2. Span: 0Hz (Zero Span)
3. RBW: 1MHz
4. VBW: Same as RBW
5. Sweep Time: Auto (Minimum time to ensure measurement accuracy.
In case of burst wave, one burst shall be included per data point)
6. Data Points: 400 points or more
7. Sweep Mode: Single Sweep
8. Detection Mode: Sample
9. Y-axis Scale: 10dB/Div
10. Reference Level: Enough level for maximum dynamic range
11. Set the spectrum analyzer as above, and it takes in a value of all data point. Regarding the all data value, it transforms the "dBm" value into "mW" value.
12. It adds the all values and calculates a grand total. <- Define a grand total as "P". It divides "P" by sample data point (ex. 401, 501) and calculates the mean value. It reports the mean value.

5.6.3. Test Setup

Spectrum Analyzer



DC Block
&
Attenuator



EUT



5.6.4. Test Result

Test Site	WJ-SR3	Temperature	24.6 ~ 25.1 °C
Test Engineer	Ellie Wang	Humidity	48.7 ~ 51.3 %RH
Test Date	2025-05-29 ~ 2025-05-30		

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μW/MHz)	Limit (μW/MHz)	Result
802.11a						
5180MHz	30 ~ 5142	4863.4	-40.77	0.084	≤ 2.50	Pass
	5142 ~ 18000	5509.0	-44.60	0.035	≤ 2.50	Pass
	18000 ~ 26000	25780.0	-38.92	0.128	≤ 2.50	Pass
5220MHz	30 ~ 5142	4899.2	-41.37	0.073	≤ 2.50	Pass
	5142 ~ 18000	5267.0	-41.43	0.072	≤ 2.50	Pass
	18000 ~ 26000	25952.0	-39.07	0.124	≤ 2.50	Pass
5240MHz	30 ~ 5142	4924.7	-41.55	0.070	≤ 2.50	Pass
	5142 ~ 18000	5250.49	-15.03	31.405	≤ 323.59	Pass
	18000 ~ 26000	25712.0	-38.91	0.129	≤ 2.50	Pass
5260MHz	30 ~ 5233.3	5228.1	-39.38	0.115	≤ 2.50	Pass
	5233.3 ~ 18000	5249.0	-19.51	11.194	≤ 100.00	Pass
	18000 ~ 26000	25728.0	-39.15	0.122	≤ 2.50	Pass
5300MHz	30 ~ 5233.3	4973.1	-40.55	0.088	≤ 2.50	Pass
	5233.3 ~ 18000	5356.0	-42.55	0.056	≤ 2.50	Pass
	18000 ~ 26000	25732.0	-39.42	0.114	≤ 2.50	Pass
5320MHz	30 ~ 5233.3	5004.4	-40.77	0.084	≤ 2.50	Pass
	5233.3 ~ 18000	5350.0	-40.89	0.081	≤ 2.50	Pass
	18000 ~ 26000	25916.0	-37.16	0.192	≤ 2.50	Pass
5500MHz	30 ~ 5460	5460.0	-35.01	0.316	≤ 2.50	Pass
	5460 ~ 18000	5826.0	-40.96	0.080	≤ 2.50	Pass
	18000 ~ 26000	25908.0	-38.73	0.134	≤ 2.50	Pass
5600MHz	30 ~ 5460	5278.1	-39.93	0.102	≤ 2.50	Pass
	5460 ~ 18000	5912.0	-41.75	0.067	≤ 2.50	Pass
	18000 ~ 26000	25940.0	-38.91	0.129	≤ 2.50	Pass
5700MHz	30 ~ 5460	5384.0	-37.16	0.192	≤ 2.50	Pass
	5460 ~ 18000	5765.0	-42.07	0.062	≤ 2.50	Pass
	18000 ~ 26000	25676.0	-39.14	0.122	≤ 2.50	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μ W/MHz)	Limit (μ W/MHz)	Result
802.11a						
5720 MHz	30 ~ 5460	5394.8	-39.31	0.117	≤ 2.50	Pass
	5460 ~ 18000	5765.0	-39.94	0.101	≤ 2.50	Pass
	18000 ~ 26000	25744.0	-39.07	0.124	≤ 2.50	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μ W/MHz)	Limit (μ W/MHz)	Result
802.11ac-VHT20						
5180MHz	30 ~ 5142	5142.0	-40.11	0.097	≤ 2.50	Pass
	5142 ~ 18000	5496.0	-44.74	0.034	≤ 2.50	Pass
	18000 ~ 26000	25720.0	-37.97	0.160	≤ 2.50	Pass
5220MHz	30 ~ 5142	4904.3	-42.24	0.060	≤ 2.50	Pass
	5142 ~ 18000	5273.0	-42.64	0.054	≤ 2.50	Pass
	18000 ~ 26000	25744.0	-38.62	0.137	≤ 2.50	Pass
5240MHz	30 ~ 5142	4919.6	-40.69	0.085	≤ 2.50	Pass
	5142 ~ 18000	5250.11	-9.69	107.399	≤ 776.25	Pass
	18000 ~ 26000	25704.0	-37.97	0.160	≤ 2.50	Pass
5260MHz	30 ~ 5233.3	5230.7	-38.52	0.141	≤ 2.50	Pass
	5233.3 ~ 18000	5249.87	-9.45	113.501	≤ 741.31	Pass
	18000 ~ 26000	25728.0	-39.43	0.114	≤ 2.50	Pass
5300MHz	30 ~ 5233.3	4980.9	-39.14	0.122	≤ 2.50	Pass
	5233.3 ~ 18000	5350.0	-42.32	0.059	≤ 2.50	Pass
	18000 ~ 26000	25732.0	-37.23	0.189	≤ 2.50	Pass
5320MHz	30 ~ 5233.3	5007.0	-39.55	0.111	≤ 2.50	Pass
	5233.3 ~ 18000	5350.0	-36.38	0.230	≤ 2.50	Pass
	18000 ~ 26000	25888.0	-38.63	0.137	≤ 2.50	Pass
5500MHz	30 ~ 5460	5460.0	-37.22	0.190	≤ 2.50	Pass
	5460 ~ 18000	5820.0	-43.05	0.050	≤ 2.50	Pass
	18000 ~ 26000	25912.0	-38.77	0.133	≤ 2.50	Pass
5600MHz	30 ~ 5460	5272.7	-39.75	0.106	≤ 2.50	Pass
	5460 ~ 18000	5930.0	-43.73	0.042	≤ 2.50	Pass
	18000 ~ 26000	25676.0	-39.97	0.101	≤ 2.50	Pass
5700MHz	30 ~ 5460	5373.1	-39.80	0.105	≤ 2.50	Pass
	5460 ~ 18000	5789.0	-43.20	0.048	≤ 2.50	Pass
	18000 ~ 26000	25368.0	-38.87	0.130	≤ 2.50	Pass
5720 MHz	30 ~ 5460	5397.6	-39.43	0.114	≤ 2.50	Pass
	5460 ~ 18000	5765.0	-37.69	0.170	≤ 2.50	Pass
	18000 ~ 26000	25944.0	-38.79	0.132	≤ 2.50	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μ W/MHz)	Limit (μ W/MHz)	Result
802.11ac-VHT40						
5190MHz	30 ~ 5141.6	5131.4	-39.27	0.118	≤ 2.50	Pass
	5141.6 ~ 18000	5285.0	-43.71	0.043	≤ 2.50	Pass
	18000 ~ 26000	25700.0	-38.25	0.150	≤ 2.50	Pass
5230MHz	30 ~ 5141.6	5123.7	-40.08	0.098	≤ 2.50	Pass
	5141.6 ~ 18000	5278.0	-40.45	0.090	≤ 2.50	Pass
	18000 ~ 26000	25732.0	-37.43	0.181	≤ 2.50	Pass
5270MHz	30 ~ 5221.6	5200.8	-38.37	0.146	≤ 2.50	Pass
	5221.6 ~ 18000	5371.0	-43.60	0.044	≤ 2.50	Pass
	18000 ~ 26000	25916.0	-39.40	0.115	≤ 2.50	Pass
5310MHz	30 ~ 5221.6	4995.8	-39.42	0.114	≤ 2.50	Pass
	5221.6 ~ 18000	5358.0	-38.33	0.147	≤ 2.50	Pass
	18000 ~ 26000	25864.0	-37.89	0.163	≤ 2.50	Pass
5510MHz	30 ~ 5460	5460.0	-23.84	4.130	≤ 12.50	Pass
	5460 ~ 18000	5849.0	-43.84	0.041	≤ 12.50	Pass
	18000 ~ 26000	25724.0	-38.28	0.149	≤ 12.50	Pass
5590MHz	30 ~ 5460	4721.5	-39.22	0.120	≤ 12.50	Pass
	5460 ~ 18000	16789.0	-43.95	0.040	≤ 12.50	Pass
	18000 ~ 26000	25952.0	-39.37	0.116	≤ 12.50	Pass
5670MHz	30 ~ 5460	4974.0	-39.17	0.121	≤ 12.50	Pass
	5460 ~ 18000	5770.0	-42.09	0.062	≤ 12.50	Pass
	18000 ~ 26000	25748.0	-38.56	0.139	≤ 12.50	Pass
5710MHz	30 ~ 5460	4740.5	-38.82	0.131	≤ 12.50	Pass
	5460 ~ 18000	5782.0	-37.94	0.161	≤ 12.50	Pass
	18000 ~ 26000	25672.0	-38.56	0.139	≤ 12.50	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μW/MHz)	Limit (μW/MHz)	Result
802.11ac-VHT80						
5210MHz	30 ~ 5123.2	5115.6	-38.79	0.132	≤ 2.50	Pass
	5123.2 ~ 18000	5303.0	-42.85	0.052	≤ 2.50	Pass
	18000 ~ 26000	25768.0	-39.26	0.119	≤ 2.50	Pass
5290MHz	30 ~ 5203.3	5198.1	-39.77	0.105	≤ 2.50	Pass
	5203.3 ~ 18000	5402.0	-41.85	0.065	≤ 2.50	Pass
	18000 ~ 26000	25768.0	-37.77	0.167	≤ 2.50	Pass
5530MHz	30 ~ 5460	5443.7	-25.40	2.884	≤ 12.5	Pass
	5460 ~ 18000	5819.0	-44.69	0.034	≤ 12.5	Pass
	1800 ~ 26000	25912.0	-38.54	0.140	≤ 12.5	Pass
5610MHz	30 ~ 5460	5441.0	-38.74	0.134	≤ 12.5	Pass
	5460 ~ 18000	5776.0	-40.91	0.081	≤ 12.5	Pass
	1800 ~ 26000	25708.0	-38.29	0.148	≤ 12.5	Pass
5690MHz	30 ~ 5460	4702.5	-38.71	0.135	≤ 12.5	Pass
	5460 ~ 18000	5782.0	-24.02	3.963	≤ 12.5	Pass
	1800 ~ 26000	25808.0	-39.80	0.105	≤ 12.5	Pass
802.11ac-VHT160						
5250MHz	30 ~ 5099.6	5094.5	-29.67	1.079	≤ 2.50	Pass
	5099.6 ~ 18000	5444.0	-32.55	0.556	≤ 2.50	Pass
	18000 ~ 26000	25708.0	-38.25	0.150	≤ 2.50	Pass
5570MHz	30 ~ 5419.6	5400.7	-20.48	8.954	≤ 12.5	Pass
	5419.6 ~ 18000	5774.0	-20.87	8.185	≤ 12.5	Pass
	18000 ~ 26000	25840.0	-39.90	0.102	≤ 12.5	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μW/MHz)	Limit (μW/MHz)	Result
802.11ax-HE20						
5180MHz	30 ~ 5142	4860.8	-40.30	0.093	≤ 2.50	Pass
	5142 ~ 18000	5502.0	-44.85	0.033	≤ 2.50	Pass
	18000 ~ 26000	25692.0	-39.17	0.121	≤ 2.50	Pass
5220MHz	30 ~ 5142	4899.2	-41.75	0.067	≤ 2.50	Pass
	5142 ~ 18000	5267.0	-42.84	0.052	≤ 2.50	Pass
	18000 ~ 26000	25684.0	-39.42	0.114	≤ 2.50	Pass
5240MHz	30 ~ 5142	4912.0	-39.01	0.126	≤ 2.50	Pass
	5142 ~ 18000	5250.43	-10.32	92.897	≤ 371.54	Pass
	18000 ~ 26000	25908.0	-38.09	0.155	≤ 2.50	Pass
5260MHz	30 ~ 5233.3	5233.3	-39.69	0.107	≤ 2.50	Pass
	5233.3 ~ 18000	5249.75	-3.29	468.813	≤ 562.34	Pass
	18000 ~ 26000	25700.0	-39.34	0.116	≤ 2.50	Pass
5300MHz	30 ~ 5233.3	4975.7	-39.62	0.109	≤ 2.50	Pass
	5233.3 ~ 18000	5350.0	-41.96	0.064	≤ 2.50	Pass
	18000 ~ 26000	25752.0	-40.01	0.100	≤ 2.50	Pass
5320MHz	30 ~ 5233.3	4999.2	-40.53	0.089	≤ 2.50	Pass
	5233.3 ~ 18000	5350.0	-37.13	0.194	≤ 2.50	Pass
	18000 ~ 26000	25716.0	-37.93	0.161	≤ 2.50	Pass
5500MHz	30 ~ 5460	5460.0	-36.54	0.222	≤ 2.50	Pass
	5460 ~ 18000	5820.0	-42.60	0.055	≤ 2.50	Pass
	18000 ~ 26000	25760.0	-39.00	0.126	≤ 2.50	Pass
5600MHz	30 ~ 5460	5283.5	-37.76	0.167	≤ 2.50	Pass
	5460 ~ 18000	5912.0	-43.79	0.042	≤ 2.50	Pass
	18000 ~ 26000	25916.0	-38.62	0.137	≤ 2.50	Pass
5700MHz	30 ~ 5460	5373.1	-38.14	0.153	≤ 2.50	Pass
	5460 ~ 18000	6022.0	-41.95	0.064	≤ 2.50	Pass
	18000 ~ 26000	25720.0	-38.89	0.129	≤ 2.50	Pass
5720 MHz	30 ~ 5460	5405.7	-37.75	0.168	≤ 2.50	Pass
	5460 ~ 18000	5765.0	-39.83	0.104	≤ 2.50	Pass
	18000 ~ 26000	25736.0	-39.40	0.115	≤ 2.50	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μW/MHz)	Limit (μW/MHz)	Result
802.11ax-HE40						
5190MHz	30 ~ 5141.6	5103.3	-38.79	0.132	≤ 2.50	Pass
	5141.6 ~ 18000	5297.0	-43.68	0.043	≤ 2.50	Pass
	18000 ~ 26000	25932.0	-38.98	0.126	≤ 2.50	Pass
5230MHz	30 ~ 5141.6	5008.7	-39.74	0.106	≤ 2.50	Pass
	5141.6 ~ 18000	5291.0	-41.25	0.075	≤ 2.50	Pass
	18000 ~ 26000	25768.0	-39.68	0.108	≤ 2.50	Pass
5270MHz	30 ~ 5221.6	5208.6	-38.76	0.133	≤ 2.50	Pass
	5221.6 ~ 18000	5358.0	-43.52	0.044	≤ 2.50	Pass
	18000 ~ 26000	25728.0	-38.43	0.144	≤ 2.50	Pass
5310MHz	30 ~ 5221.6	4998.4	-38.46	0.143	≤ 2.50	Pass
	5221.6 ~ 18000	5358.0	-39.31	0.117	≤ 2.50	Pass
	18000 ~ 26000	25700.0	-37.51	0.177	≤ 2.50	Pass
5510MHz	30 ~ 5460	5449.1	-30.07	0.984	≤ 12.50	Pass
	5460 ~ 18000	5813.0	-44.25	0.038	≤ 12.50	Pass
	18000 ~ 26000	25716.0	-39.23	0.119	≤ 12.50	Pass
5590MHz	30 ~ 5460	4789.4	-38.77	0.133	≤ 12.50	Pass
	5460 ~ 18000	5917.0	-43.90	0.041	≤ 12.50	Pass
	18000 ~ 26000	25748.0	-37.86	0.164	≤ 12.50	Pass
5670MHz	30 ~ 5460	4737.8	-38.86	0.130	≤ 12.50	Pass
	5460 ~ 18000	5776.0	-39.85	0.104	≤ 12.50	Pass
	18000 ~ 26000	25800.0	-40.51	0.089	≤ 12.50	Pass
5710MHz	30 ~ 5460	4800.3	-38.15	0.153	≤ 12.50	Pass
	5460 ~ 18000	5776.0	-33.74	0.423	≤ 12.50	Pass
	18000 ~ 26000	25928.0	-39.77	0.105	≤ 12.50	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μW/MHz)	Limit (μW/MHz)	Result
802.11ax-HE80						
5210MHz	30 ~ 5123.2	5118.1	-38.27	0.149	≤ 2.50	Pass
	5123.2 ~ 18000	5297.0	-42.22	0.060	≤ 2.50	Pass
	18000 ~ 26000	25720.0	-38.96	0.127	≤ 2.50	Pass
5290MHz	30 ~ 5203.3	5203.3	-38.77	0.133	≤ 2.50	Pass
	5203.3 ~ 18000	5377.0	-41.97	0.064	≤ 2.50	Pass
	18000 ~ 26000	25728.0	-39.13	0.122	≤ 2.50	Pass
5530MHz	30 ~ 5460	5460.0	-28.03	1.574	≤ 12.5	Pass
	5460 ~ 18000	5849.0	-44.81	0.033	≤ 12.5	Pass
	1800 ~ 26000	25716.0	-38.76	0.133	≤ 12.5	Pass
5610MHz	30 ~ 5460	5443.7	-37.91	0.162	≤ 12.5	Pass
	5460 ~ 18000	5770.0	-40.49	0.089	≤ 12.5	Pass
	1800 ~ 26000	25768.0	-39.10	0.123	≤ 12.5	Pass
5690MHz	30 ~ 5460	4775.8	-38.91	0.129	≤ 12.5	Pass
	5460 ~ 18000	5776.0	-26.78	2.099	≤ 12.5	Pass
	1800 ~ 26000	25920.0	-38.64	0.137	≤ 12.5	Pass
802.11ax-HE160						
5250MHz	30 ~ 5099.6	5081.9	-36.29	0.235	≤ 2.50	Pass
	5099.6 ~ 18000	5444.0	-42.32	0.059	≤ 2.50	Pass
	18000 ~ 26000	25888.0	-38.80	0.132	≤ 2.50	Pass
5570MHz	30 ~ 5419.6	5387.3	-30.05	0.989	≤ 12.5	Pass
	5419.6 ~ 18000	5743.0	-31.28	0.745	≤ 12.5	Pass
	18000 ~ 26000	25808.0	-39.08	0.124	≤ 12.5	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μW/MHz)	Limit (μW/MHz)	Result
802.11be-EHT20						
5180MHz	30 ~ 5142	5136.9	-40.38	0.092	≤ 2.50	Pass
	5142 ~ 18000	5496.0	-43.41	0.046	≤ 2.50	Pass
	18000 ~ 26000	25920.0	-38.18	0.152	≤ 2.50	Pass
5220MHz	30 ~ 5142	4901.7	-40.64	0.086	≤ 2.50	Pass
	5142 ~ 18000	5273.0	-42.82	0.052	≤ 2.50	Pass
	18000 ~ 26000	25748.0	-39.18	0.121	≤ 2.50	Pass
5240MHz	30 ~ 5142	4924.7	-40.95	0.080	≤ 2.50	Pass
	5142 ~ 18000	5250.11	-3.20	478.630	≤ 1096.48	Pass
	18000 ~ 26000	25688.0	-39.16	0.121	≤ 2.50	Pass
5260MHz	30 ~ 5233.3	5230.7	-37.35	0.184	≤ 2.50	Pass
	5233.3 ~ 18000	5249.64	-3.93	404.576	≤ 436.52	Pass
	18000 ~ 26000	25744.0	-37.72	0.169	≤ 2.50	Pass
5300MHz	30 ~ 5233.3	4970.5	-39.37	0.116	≤ 2.50	Pass
	5233.3 ~ 18000	5350.0	-42.95	0.051	≤ 2.50	Pass
	18000 ~ 26000	25720.0	-37.97	0.160	≤ 2.50	Pass
5320MHz	30 ~ 5233.3	5007.0	-39.73	0.106	≤ 2.50	Pass
	5233.3 ~ 18000	5350.0	-35.67	0.271	≤ 2.50	Pass
	18000 ~ 26000	25688.0	-39.35	0.116	≤ 2.50	Pass
5500MHz	30 ~ 5460	5454.6	-34.71	0.338	≤ 2.50	Pass
	5460 ~ 18000	5814.0	-41.78	0.066	≤ 2.50	Pass
	18000 ~ 26000	25716.0	-39.41	0.115	≤ 2.50	Pass
5600MHz	30 ~ 5460	5446.4	-39.33	0.117	≤ 2.50	Pass
	5460 ~ 18000	5765.0	-43.11	0.049	≤ 2.50	Pass
	18000 ~ 26000	25720.0	-39.25	0.119	≤ 2.50	Pass
5700MHz	30 ~ 5460	5381.3	-37.64	0.172	≤ 2.50	Pass
	5460 ~ 18000	5765.0	-41.66	0.068	≤ 2.50	Pass
	18000 ~ 26000	25812.0	-39.90	0.102	≤ 2.50	Pass
5720 MHz	30 ~ 5460	5397.6	-37.36	0.184	≤ 2.50	Pass
	5460 ~ 18000	5765.0	-40.38	0.092	≤ 2.50	Pass
	18000 ~ 26000	25720.0	-38.84	0.131	≤ 2.50	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μ W/MHz)	Limit (μ W/MHz)	Result
802.11be-EHT40						
5190MHz	30 ~ 5141.6	5131.4	-38.52	0.141	≤ 2.50	Pass
	5141.6 ~ 18000	5310.0	-43.36	0.046	≤ 2.50	Pass
	18000 ~ 26000	25716.0	-38.50	0.141	≤ 2.50	Pass
5230MHz	30 ~ 5141.6	4893.7	-39.49	0.112	≤ 2.50	Pass
	5141.6 ~ 18000	5278.0	-39.11	0.123	≤ 2.50	Pass
	18000 ~ 26000	25784.0	-39.26	0.119	≤ 2.50	Pass
5270MHz	30 ~ 5221.6	5216.4	-37.42	0.181	≤ 2.50	Pass
	5221.6 ~ 18000	5586.0	-43.71	0.043	≤ 2.50	Pass
	18000 ~ 26000	25908.0	-38.86	0.130	≤ 2.50	Pass
5310MHz	30 ~ 5221.6	5213.8	-38.22	0.151	≤ 2.50	Pass
	5221.6 ~ 18000	5358.0	-40.30	0.093	≤ 2.50	Pass
	18000 ~ 26000	25752.0	-39.66	0.108	≤ 2.50	Pass
5510MHz	30 ~ 5460	5460.0	-27.75	1.679	≤ 12.50	Pass
	5460 ~ 18000	5813.0	-44.20	0.038	≤ 12.50	Pass
	18000 ~ 26000	25720.0	-38.51	0.141	≤ 12.50	Pass
5590MHz	30 ~ 5460	5006.6	-39.74	0.106	≤ 12.50	Pass
	5460 ~ 18000	5923.0	-43.81	0.042	≤ 12.50	Pass
	18000 ~ 26000	25692.0	-38.53	0.140	≤ 12.50	Pass
5670MHz	30 ~ 5460	4727.0	-39.06	0.124	≤ 12.50	Pass
	5460 ~ 18000	5770.0	-42.30	0.059	≤ 12.50	Pass
	18000 ~ 26000	25756.0	-39.23	0.119	≤ 12.50	Pass
5710MHz	30 ~ 5460	4955.0	-39.51	0.112	≤ 12.50	Pass
	5460 ~ 18000	5770.0	-30.55	0.881	≤ 12.50	Pass
	18000 ~ 26000	25772.0	-39.39	0.115	≤ 12.50	Pass

Test Channel	Frequency Range (MHz)	Measurement Freq. (MHz)	Measurement Level (dBm/MHz)	Measurement Level (μW/MHz)	Limit (μW/MHz)	Result
802.11be-EHT80						
5210MHz	30 ~ 5123.2	5118.1	-36.38	0.230	≤ 2.50	Pass
	5123.2 ~ 18000	5335.0	-38.14	0.153	≤ 2.50	Pass
	18000 ~ 26000	25692.0	-38.62	0.137	≤ 2.50	Pass
5290MHz	30 ~ 5203.3	5198.1	-36.12	0.244	≤ 2.50	Pass
	5203.3 ~ 18000	5377.0	-36.09	0.246	≤ 2.50	Pass
	18000 ~ 26000	25684.0	-38.31	0.148	≤ 2.50	Pass
5530MHz	30 ~ 5460	5457.3	-20.51	8.892	≤ 12.5	Pass
	5460 ~ 18000	5886.0	-43.58	0.044	≤ 12.5	Pass
	1800 ~ 26000	25736.0	-38.22	0.151	≤ 12.5	Pass
5610MHz	30 ~ 5460	5422.0	-38.39	0.145	≤ 12.5	Pass
	5460 ~ 18000	5776.0	-40.08	0.098	≤ 12.5	Pass
	1800 ~ 26000	25944.0	-39.35	0.116	≤ 12.5	Pass
5690MHz	30 ~ 5460	5400.3	-39.28	0.118	≤ 12.5	Pass
	5460 ~ 18000	5770.0	-31.94	0.640	≤ 12.5	Pass
	1800 ~ 26000	25764.0	-39.49	0.112	≤ 12.5	Pass
802.11be-EHT160						
5250MHz	30 ~ 5099.6	5061.6	-33.51	0.446	≤ 2.50	Pass
	5099.6 ~ 18000	5495.0	-40.69	0.085	≤ 2.50	Pass
	18000 ~ 26000	25704.0	-38.58	0.139	≤ 2.50	Pass
5570MHz	30 ~ 5419.6	5392.7	-31.67	0.681	≤ 12.5	Pass
	5419.6 ~ 18000	5731.0	-29.89	1.026	≤ 12.5	Pass
	18000 ~ 26000	25920.0	-38.07	0.156	≤ 12.5	Pass

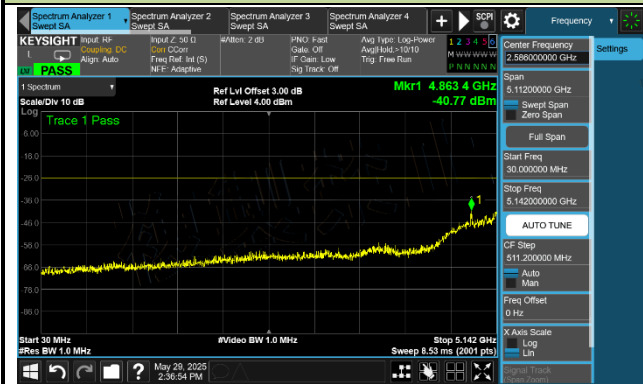
Note 1: The Measurement Level (dBm/MHz) has been added the antenna gain.

Note 2: Measurement Level (μW/MHz) = $10^{[\text{Measurement Level (dBm/MHz)} / 10]} * 10^3$.

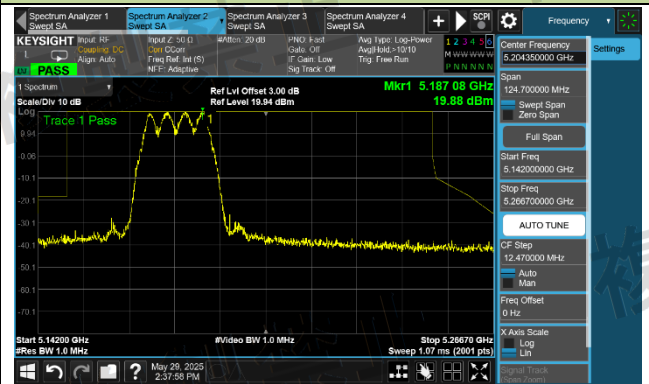
802.11a Unwanted Emission Strength

Channel 36 (5180MHz)

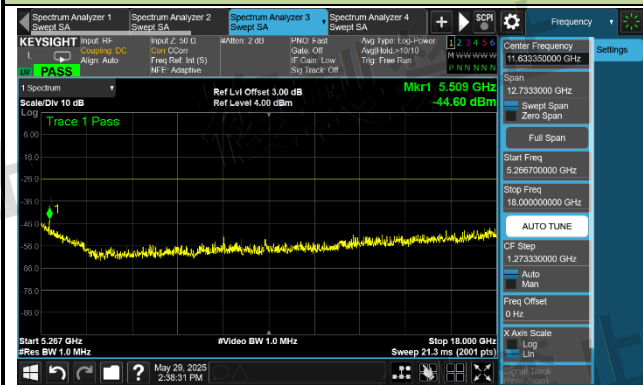
30MHz ~ 5142MHz



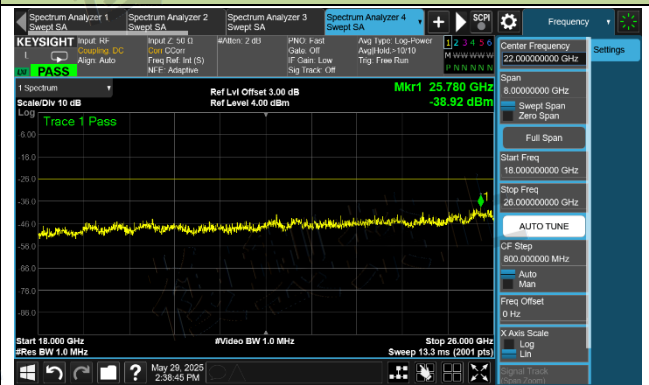
5142MHz ~ 5266.7MHz



5266.7MHz ~ 18000MHz



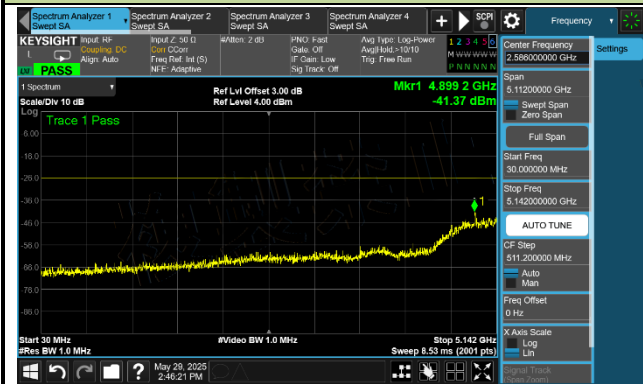
18000MHz ~ 26000MHz



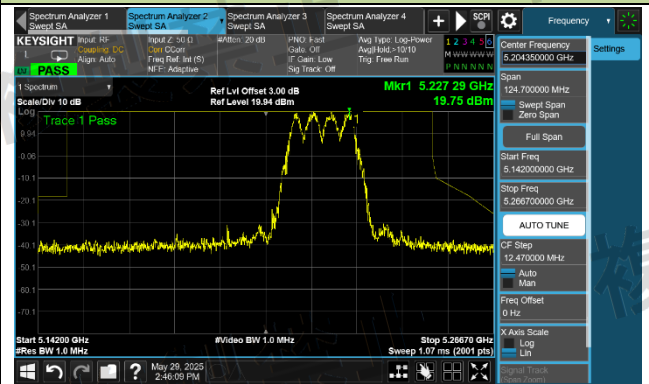
802.11a Unwanted Emission Strength

Channel 44 (5220MHz)

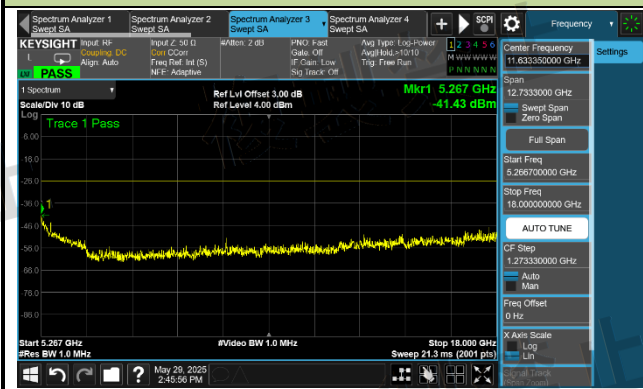
30MHz ~ 5142MHz



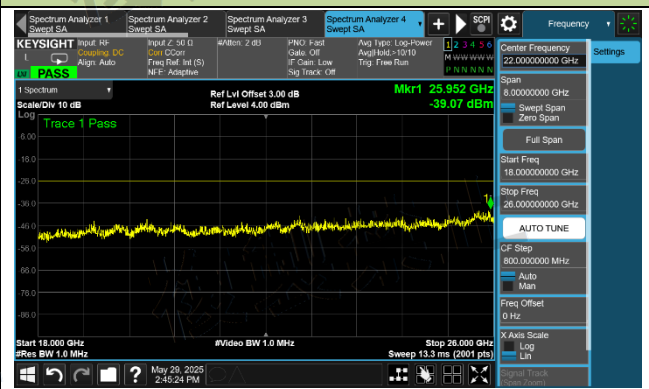
5142MHz ~ 5266.7MHz



5266.7MHz ~ 18000MHz



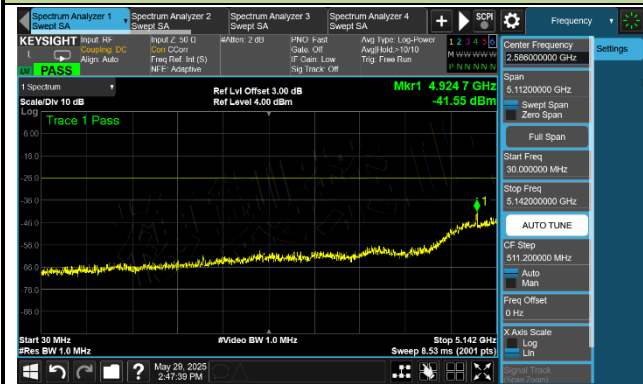
18000MHz ~ 26000MHz



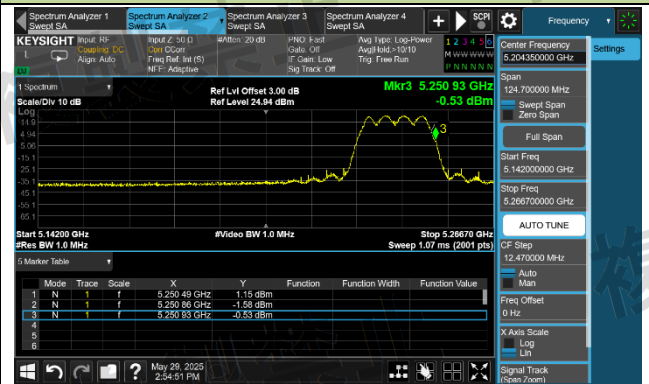
802.11a Unwanted Emission Strength

Channel 48 (5240MHz)

30MHz ~ 5142MHz



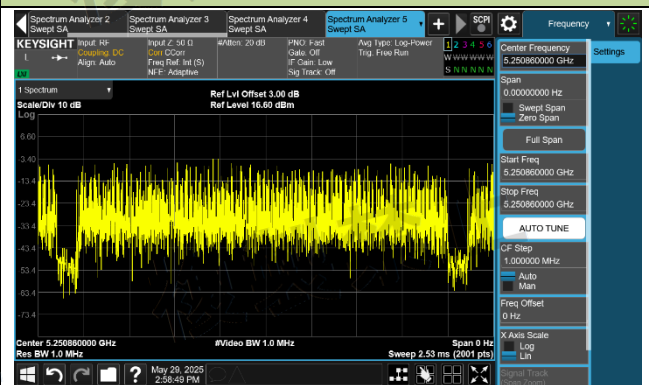
5142MHz ~ 5266.7MHz



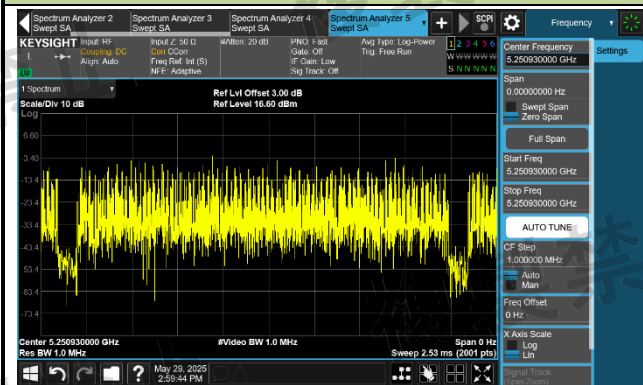
5142MHz ~ 5266.7MHz-Verification Note 1



5142MHz ~ 5266.7MHz-Verification Note 2



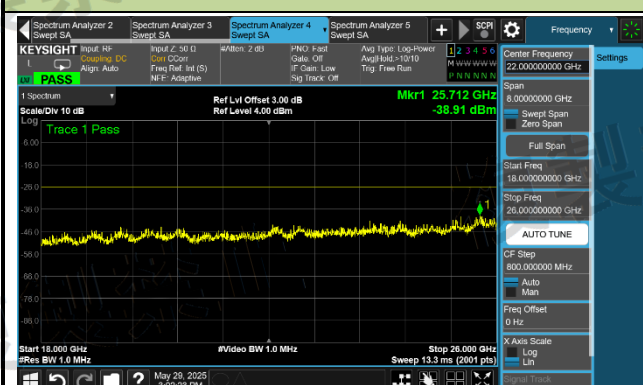
5142MHz ~ 5266.7MHz-Verification Note 3



5266.7MHz ~ 18000MHz



18000MHz ~ 26000MHz



Note 1: The worst frequency is 5250.49MHz, and the sample level is -15.03 dBm is lower than the lowest limit (-4.9 dBm) in 5250MHz ~ 5251MHz.

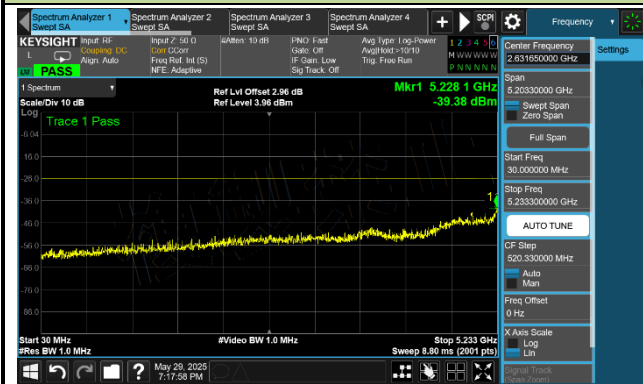
Note 2: The worst frequency is 5250.86MHz, and the sample level is -18.82 dBm is lower than the lowest limit (-8.6 dBm) in 5250MHz ~ 5251MHz.

Note 3: The worst frequency is 5250.93MHz, and the sample level is -19.47 dBm is lower than the lowest limit (-9.3 dBm) in 5250MHz ~ 5251MHz.

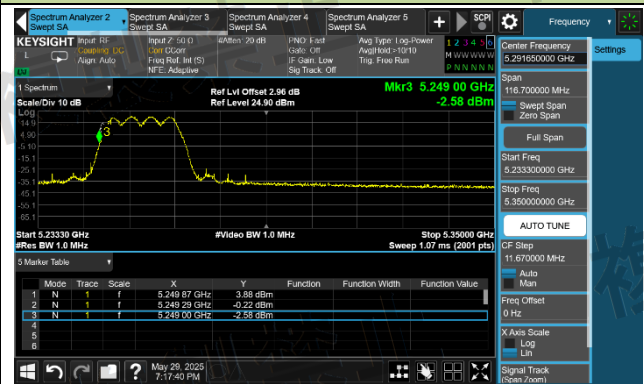
802.11a Unwanted Emission Strength

Channel 52 (5260MHz)

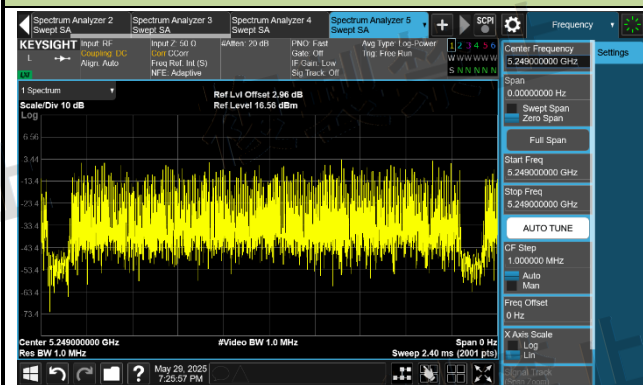
30MHz ~ 5233.3MHz



5233.3MHz ~ 5350MHz



5233.3MHz ~ 5350MHz-Verification Note 1



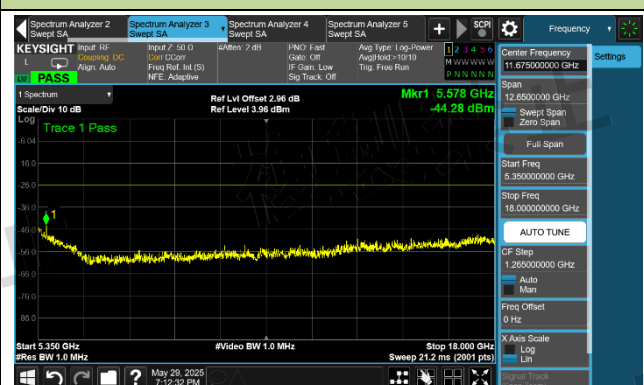
5233.3MHz ~ 5350MHz-Verification Note 2



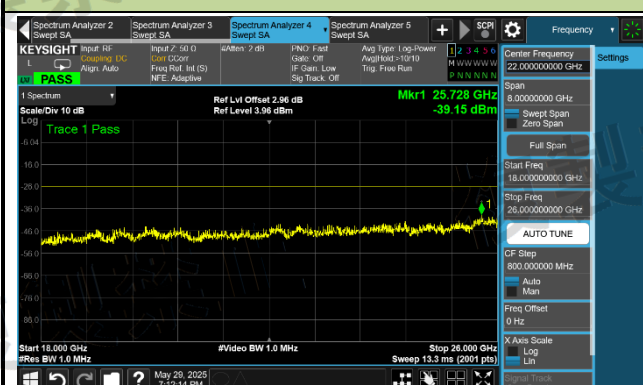
5233.3MHz ~ 5350MHz-Verification Note 3



5350MHz ~ 18000MHz



18000MHz ~ 26000MHz



Note 1: The worst frequency is 5249.00MHz, and the sample level is -19.51 dBm is lower than the lowest limit (-10.0 dBm) in 5249MHz ~ 5250MHz.

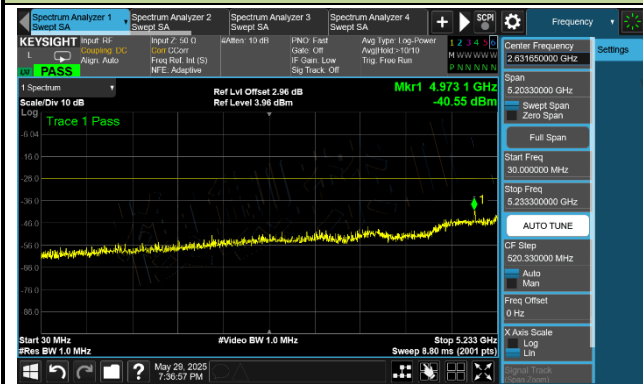
Note 2: The worst frequency is 5249.29MHz, and the sample level is -16.83 dBm is lower than the lowest limit (-7.1 dBm) in 5249MHz ~ 5250MHz.

Note 3: The worst frequency is 5249.87MHz, and the sample level is -12.78 dBm is lower than the lowest limit (-1.3 dBm) in 5249MHz ~ 5250MHz.

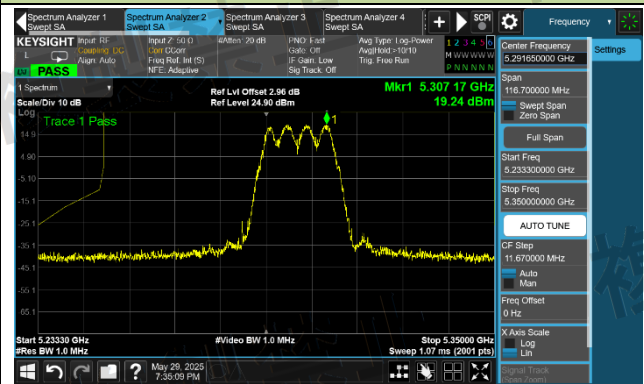
802.11a Unwanted Emission Strength

Channel 60 (5300MHz)

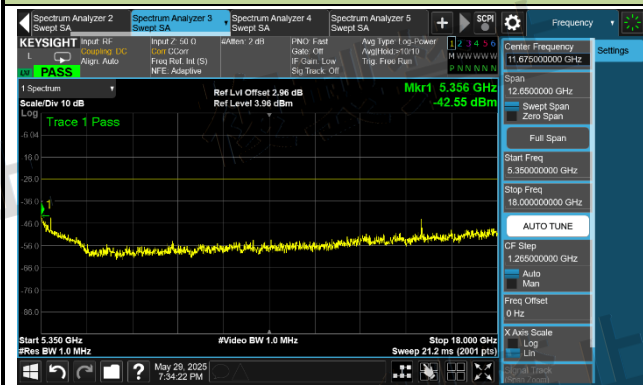
30MHz ~ 5233.3MHz



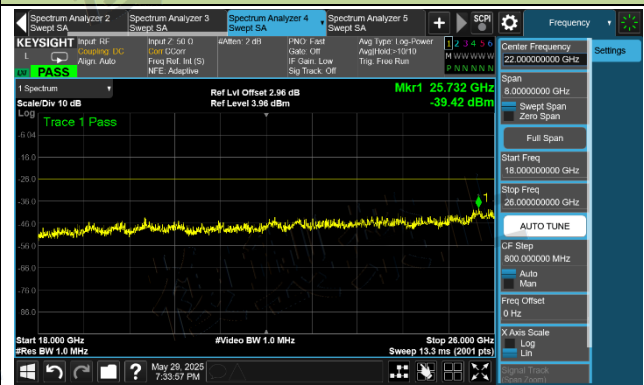
5233.3MHz ~ 5350MHz



5350MHz ~ 18000MHz



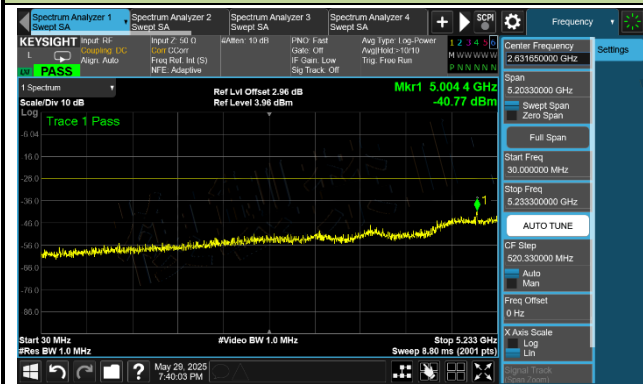
18000MHz ~ 26000MHz



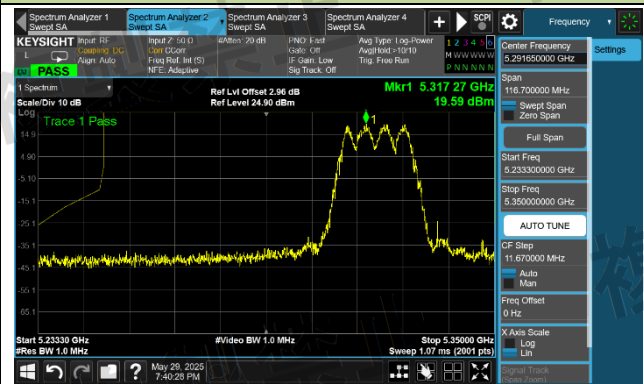
802.11a Unwanted Emission Strength

Channel 64 (5320MHz)

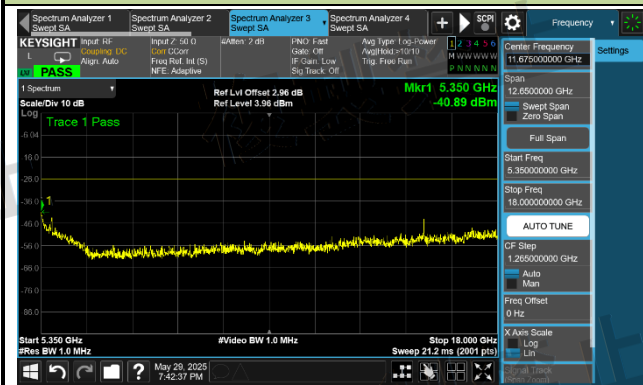
30MHz ~ 5233.3MHz



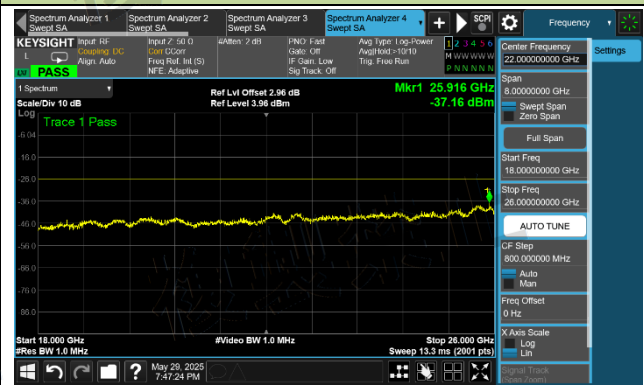
5233.3MHz ~ 5350MHz



5350MHz ~ 18000MHz



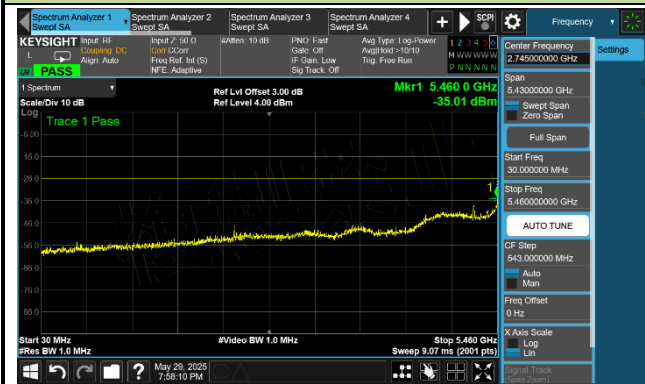
18000MHz ~ 26000MHz



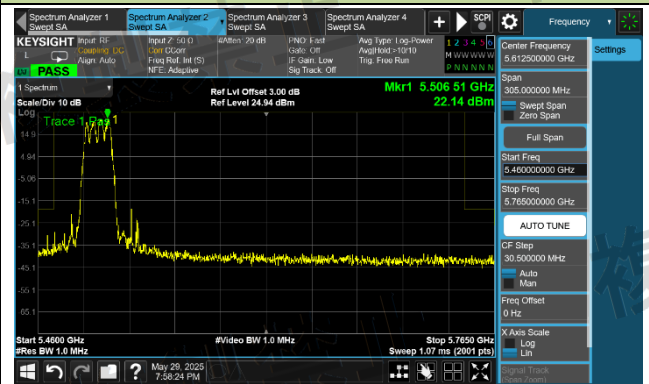
802.11a Unwanted Emission Strength

Channel 100 (5500MHz)

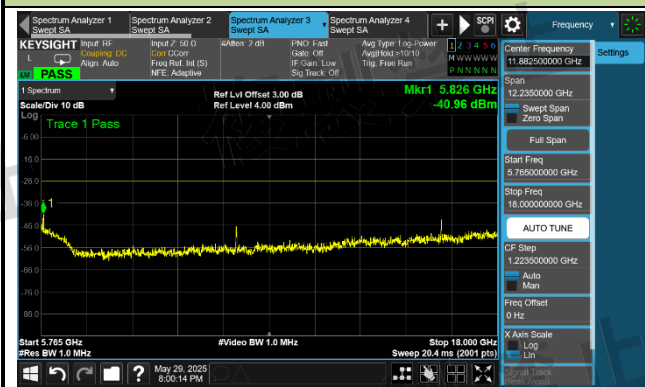
30MHz ~ 5460MHz



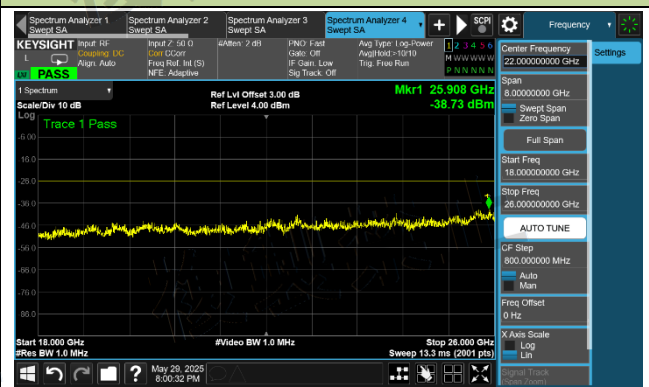
5460MHz ~ 5765MHz



5765MHz ~ 18000MHz



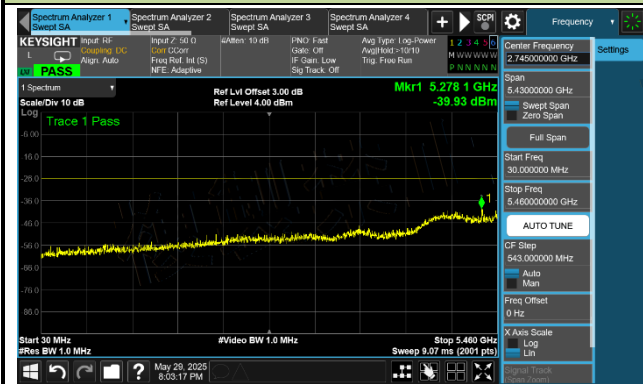
18000MHz ~ 26000MHz



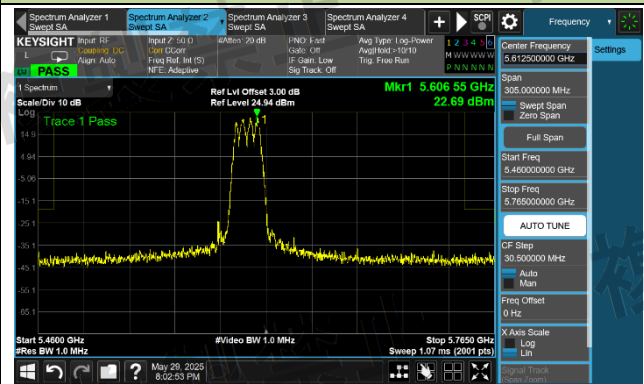
802.11a Unwanted Emission Strength

Channel 120 (5600MHz)

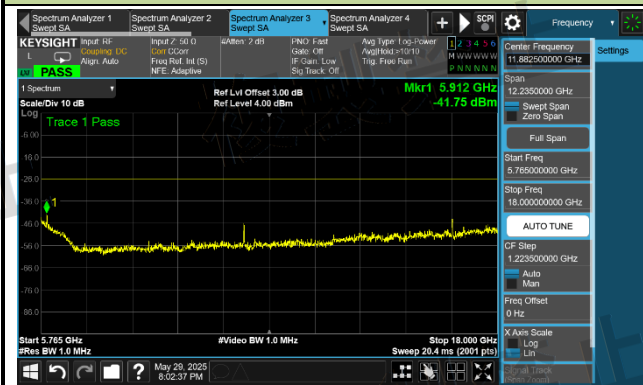
30MHz ~ 5460MHz



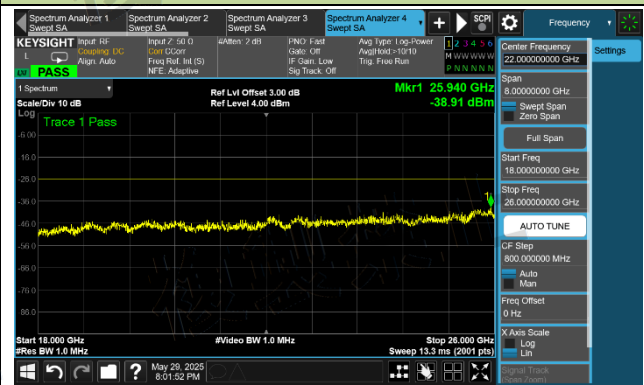
5460MHz ~ 5765MHz



5765MHz ~ 18000MHz



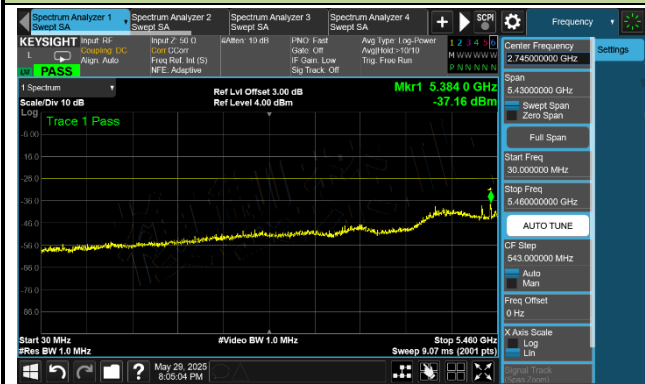
18000MHz ~ 26000MHz



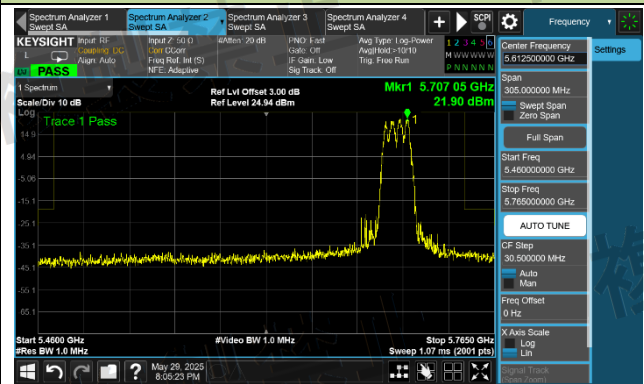
802.11a Unwanted Emission Strength

Channel 140 (5700MHz)

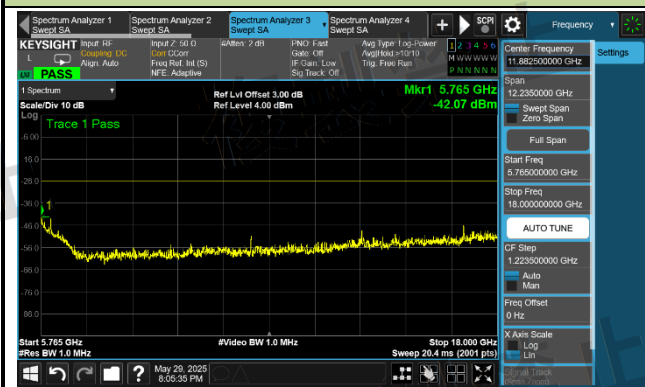
30MHz ~ 5460MHz



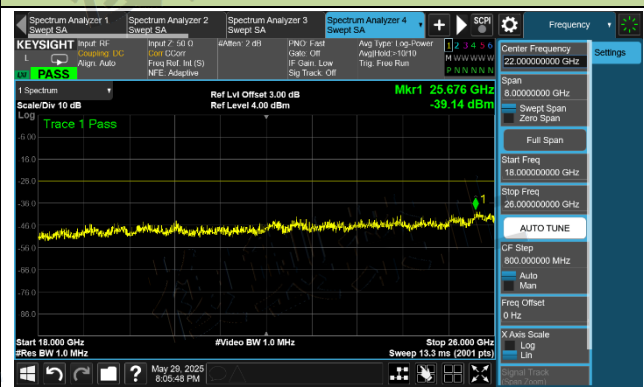
5460MHz ~ 5765MHz



5765MHz ~ 18000MHz



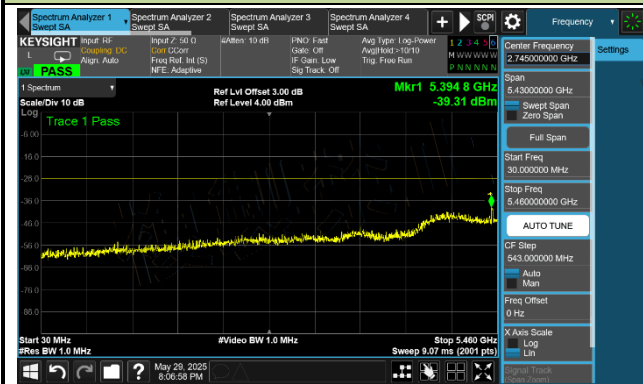
18000MHz ~ 26000MHz



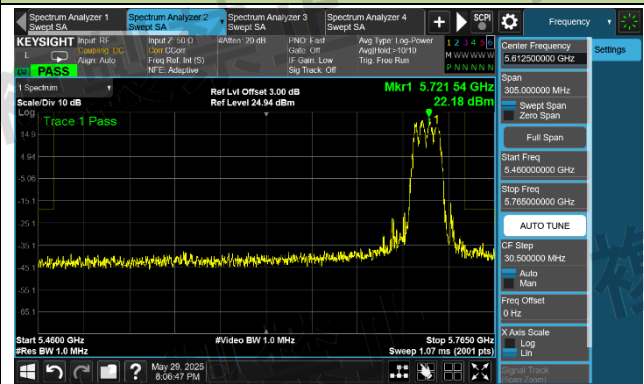
802.11a Unwanted Emission Strength

Channel 144 (5720MHz)

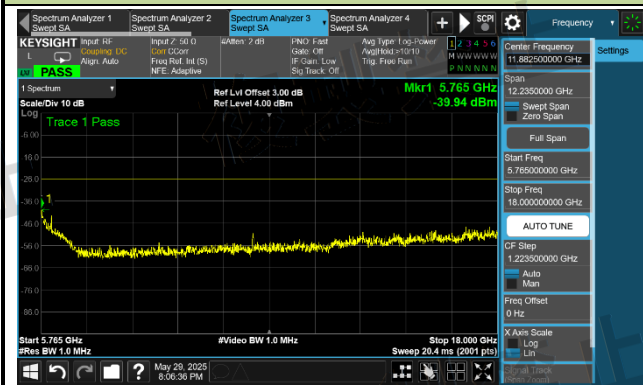
30MHz ~ 5460MHz



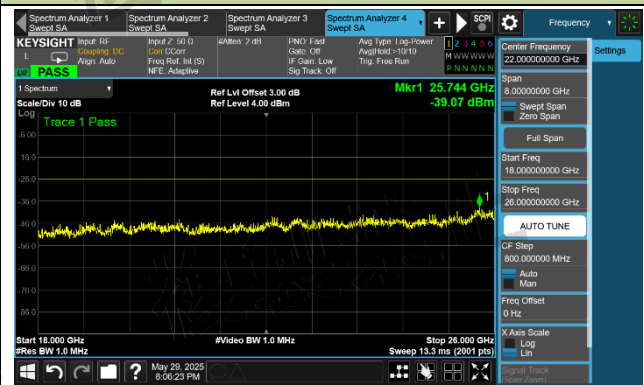
5460MHz ~ 5765MHz



5765MHz ~ 18000MHz



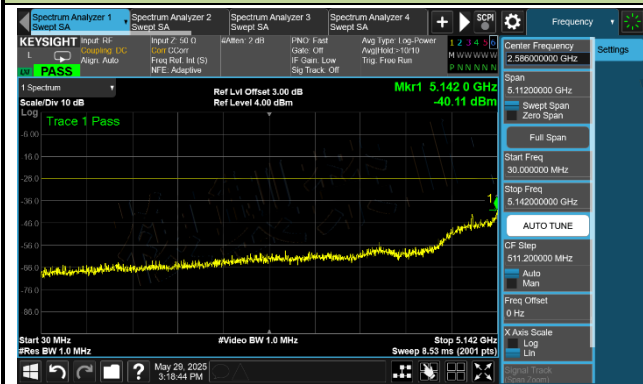
18000MHz ~ 26000MHz



802.11ac-VHT20 Unwanted Emission Strength

Channel 36 (5180MHz)

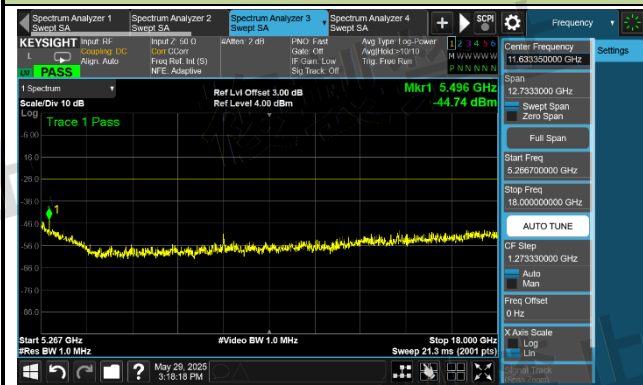
30MHz ~ 5142MHz



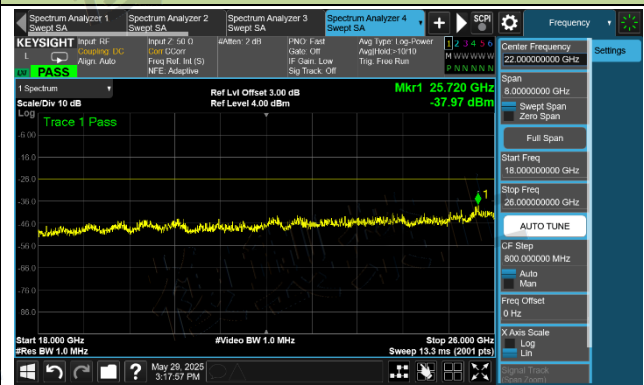
5142MHz ~ 5266.7MHz



5266.7MHz ~ 18000MHz



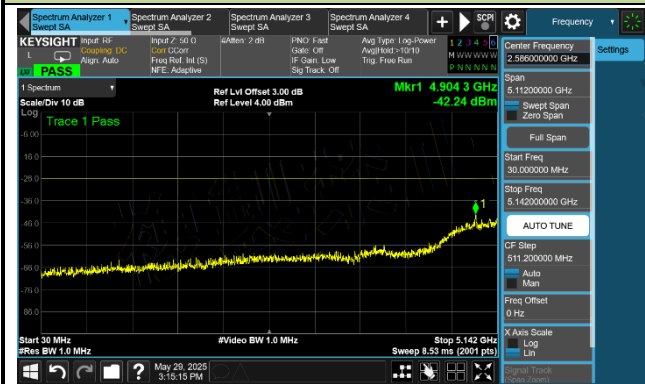
18000MHz ~ 26000MHz



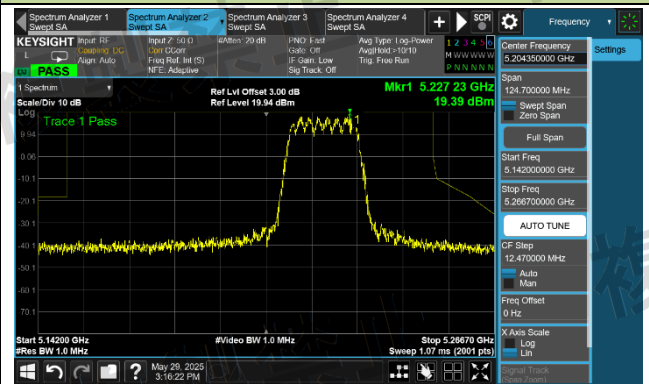
802.11ac-VHT20 Unwanted Emission Strength

Channel 44 (5220MHz)

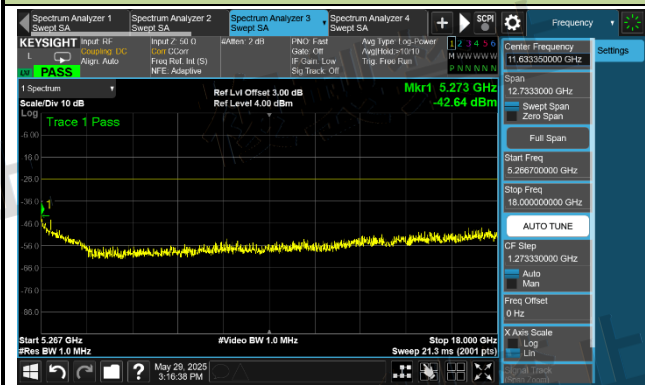
30MHz ~ 5142MHz



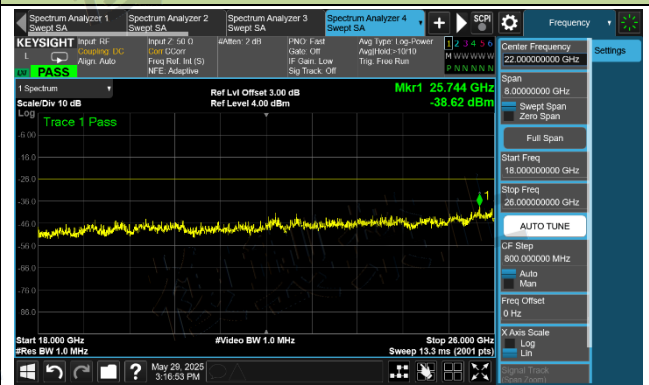
5142MHz ~ 5266.7MHz



5266.7MHz ~ 18000MHz



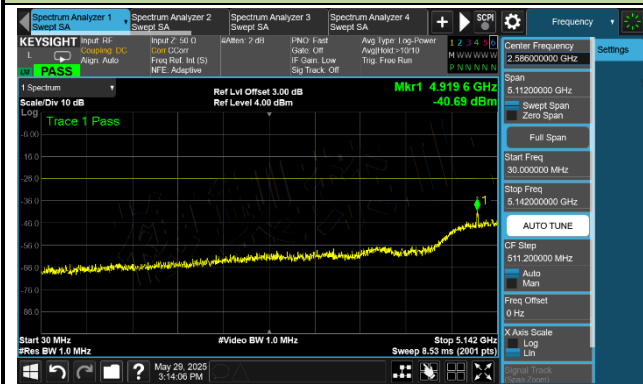
18000MHz ~ 26000MHz



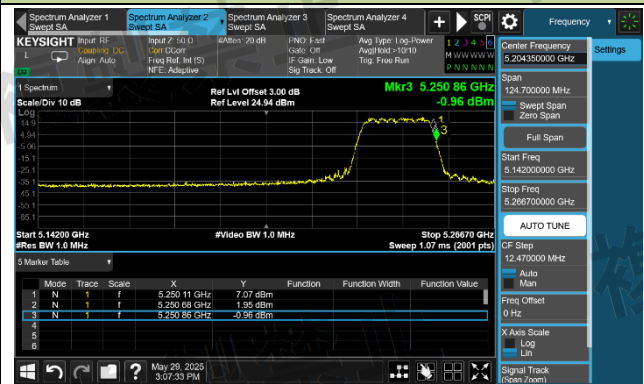
802.11ac-VHT20 Unwanted Emission Strength

Channel 48 (5240MHz)

30MHz ~ 5142MHz



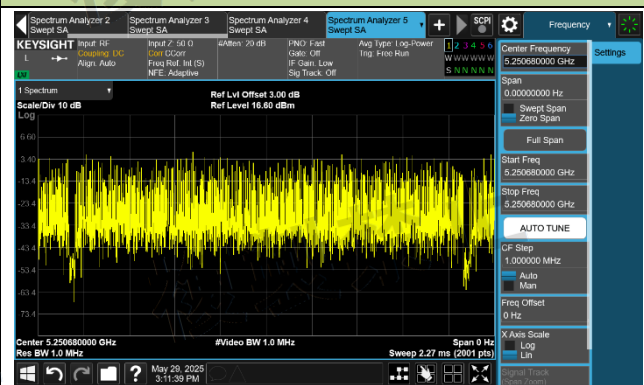
5142MHz ~ 5266.7MHz



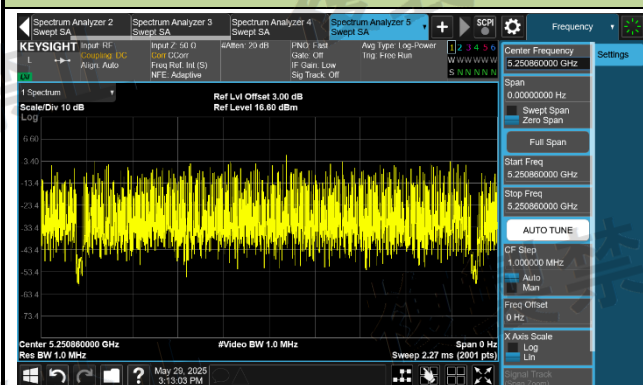
5142MHz ~ 5266.7MHz-Verification Note 1



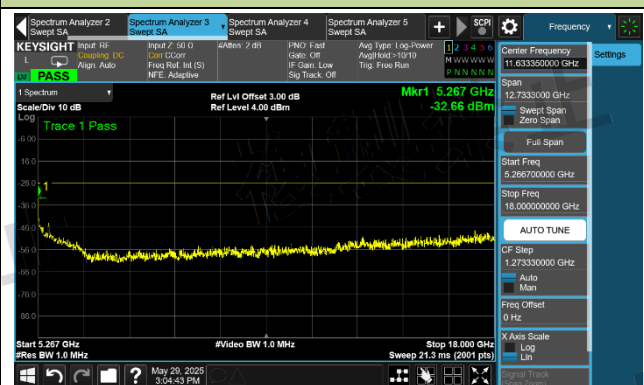
5142MHz ~ 5266.7MHz-Verification Note 2



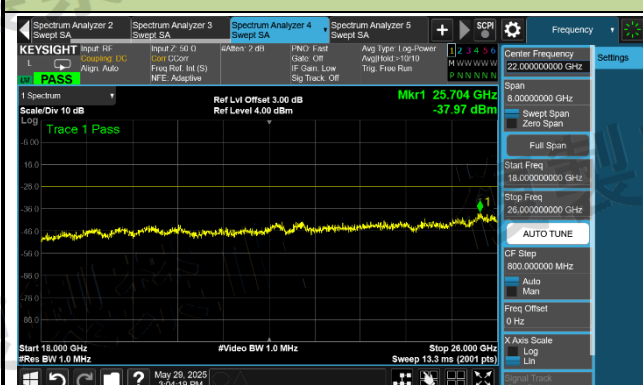
5142MHz ~ 5266.7MHz-Verification Note 3



5266.7MHz ~ 18000MHz



18000MHz ~ 26000MHz



Note 1: The worst frequency is 5250.11MHz, and the sample level is -9.69 dBm is lower than the lowest limit (-1.1 dBm) in 5250MHz ~ 5251MHz.

Note 2: The worst frequency is 5250.68MHz, and the sample level is -15.61 dBm is lower than the lowest limit (-6.8 dBm) in 5250MHz ~ 5251MHz.

Note 3: The worst frequency is 5250.86MHz, and the sample level is -17.61 dBm is lower than the lowest limit (-8.6 dBm) in 5250MHz ~ 5251MHz.