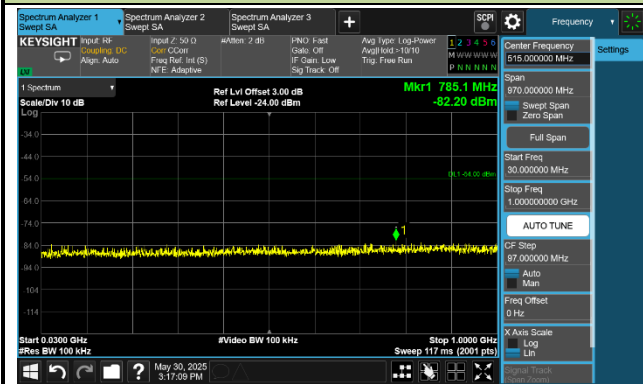


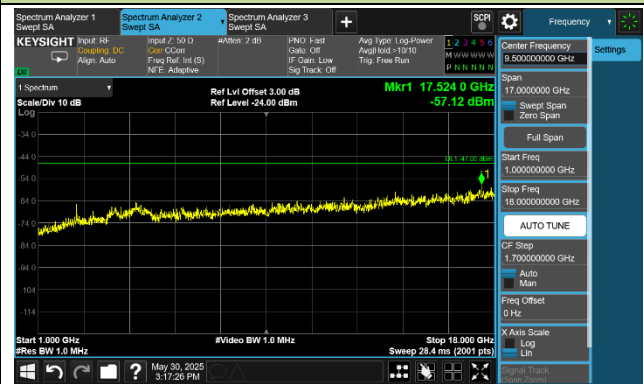
802.11be-EHT40 Secondary Radiated Emissions Strength

5190MHz

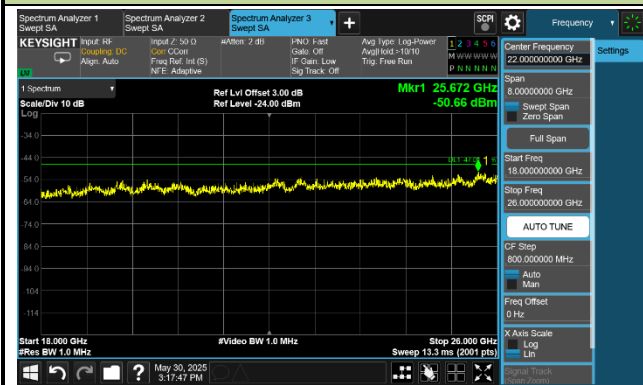
30 ~ 1000MHz



1000 ~ 18000MHz



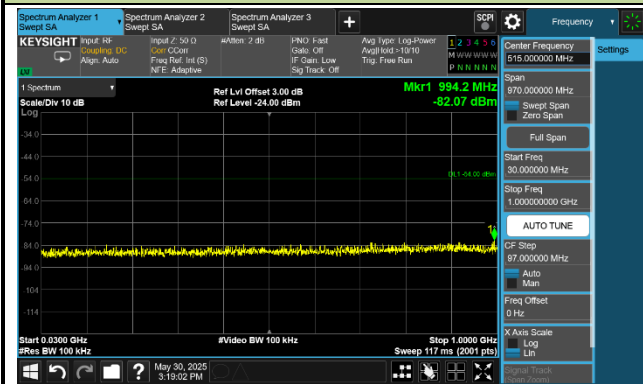
18000 ~ 26000MHz



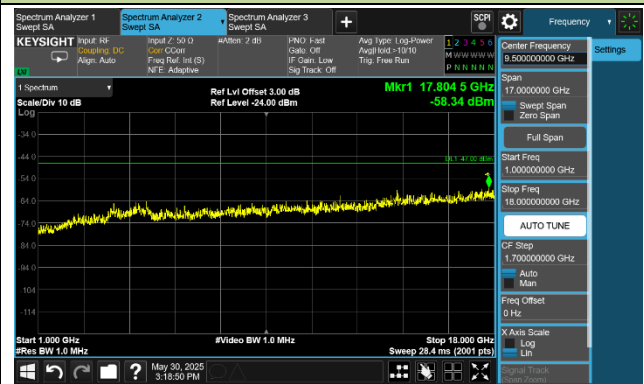
802.11be-EHT40 Secondary Radiated Emissions Strength

5230MHz

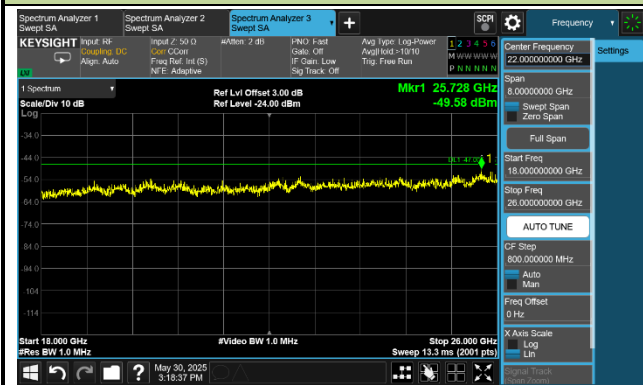
30 ~ 1000MHz



1000 ~ 18000MHz



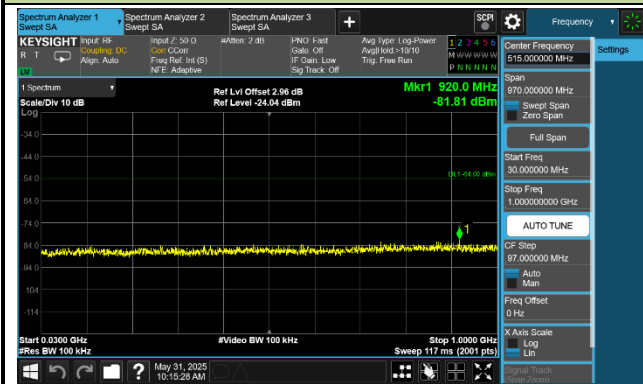
18000 ~ 26000MHz



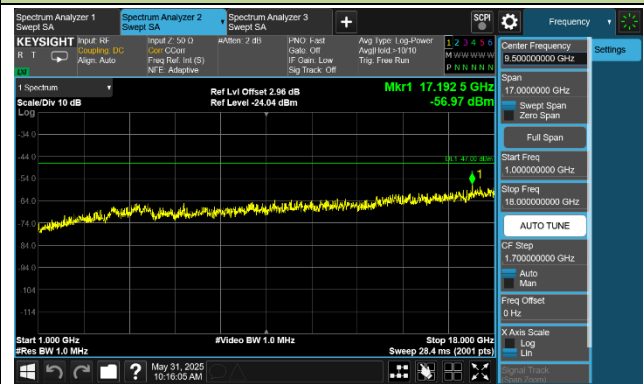
802.11be-EHT40 Secondary Radiated Emissions Strength

5270MHz

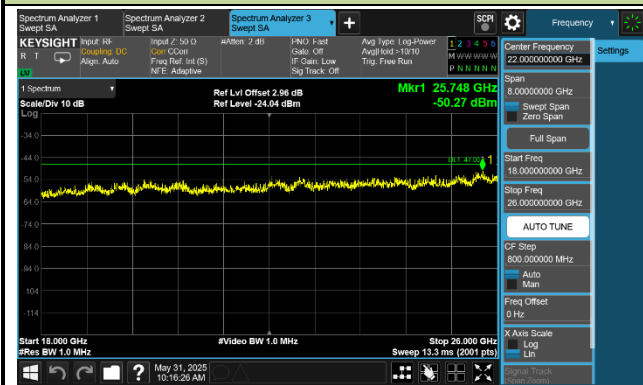
30 ~ 1000MHz



1000 ~ 18000MHz



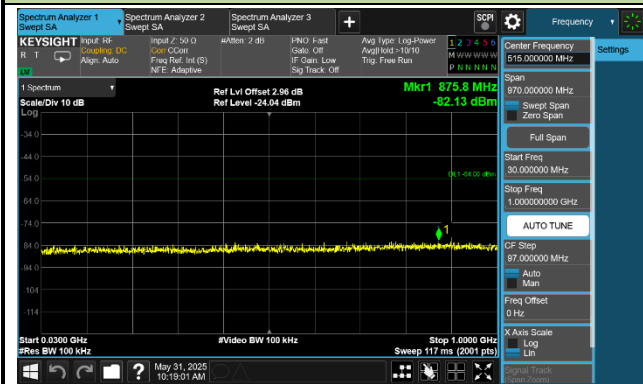
18000 ~ 26000MHz



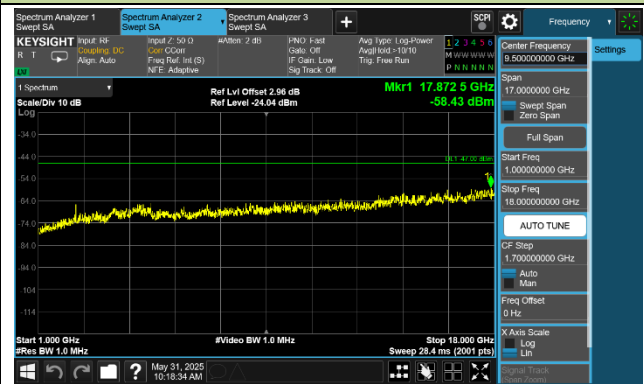
802.11be-EHT40 Secondary Radiated Emissions Strength

5310MHz

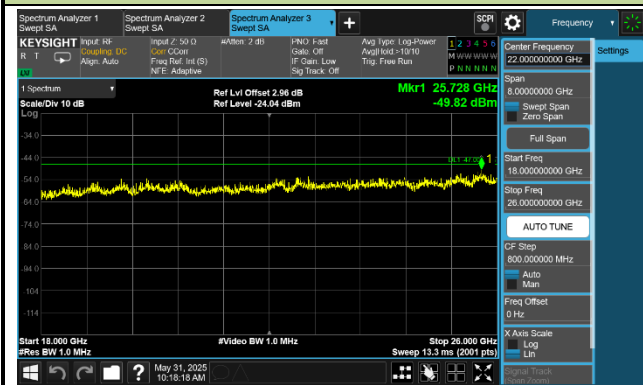
30 ~ 1000MHz



1000 ~ 18000MHz



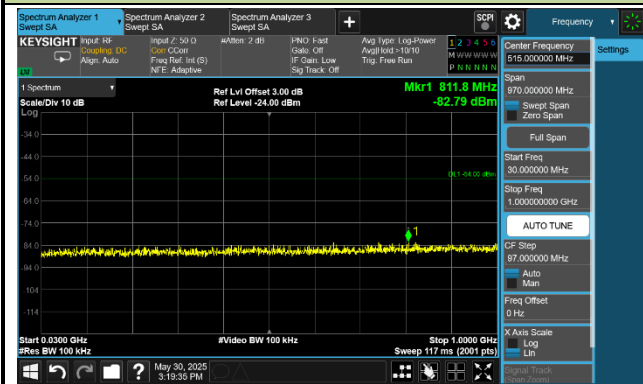
18000 ~ 26000MHz



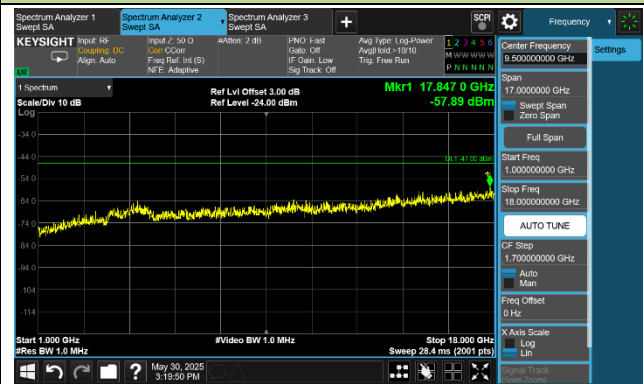
802.11be-EHT40 Secondary Radiated Emissions Strength

5510MHz

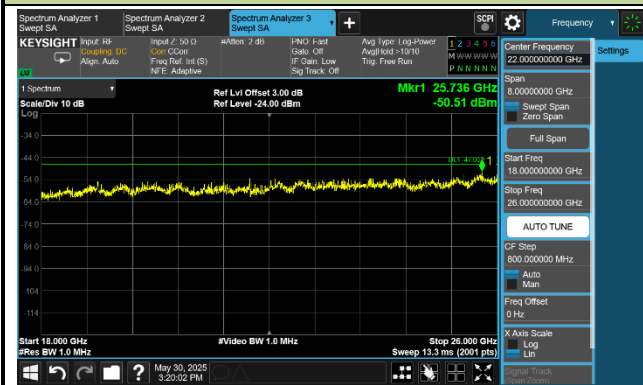
30 ~ 1000MHz



1000 ~ 18000MHz



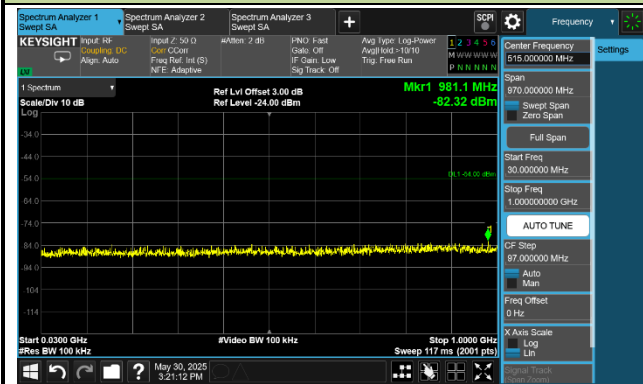
18000 ~ 26000MHz



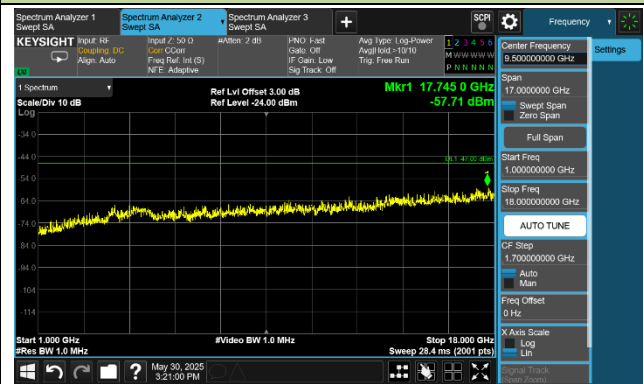
802.11be-EHT40 Secondary Radiated Emissions Strength

5590MHz

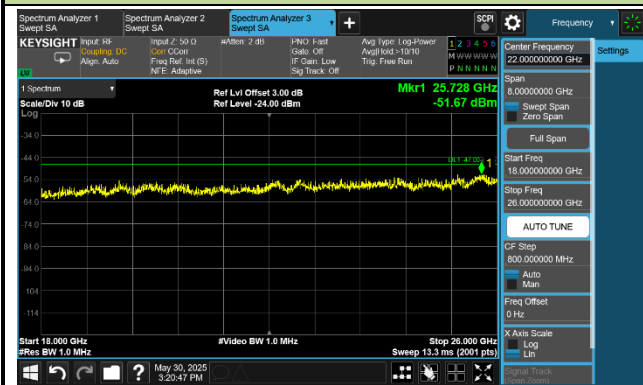
30 ~ 1000MHz



1000 ~ 18000MHz



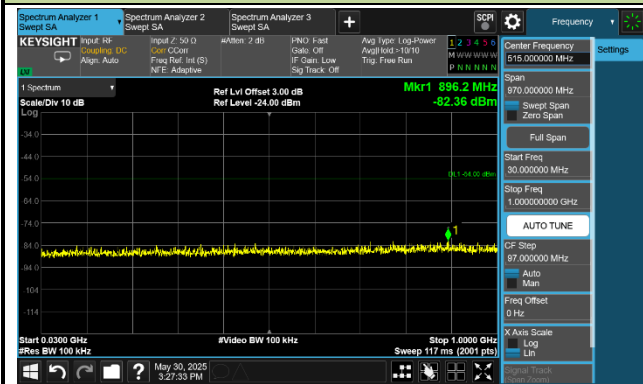
18000 ~ 26000MHz



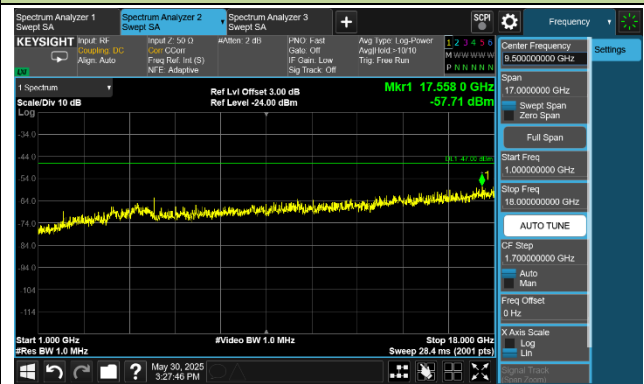
802.11be-EHT40 Secondary Radiated Emissions Strength

5670MHz

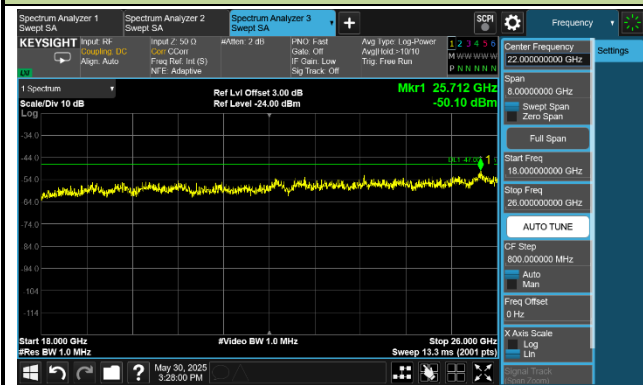
30 ~ 1000MHz



1000 ~ 18000MHz



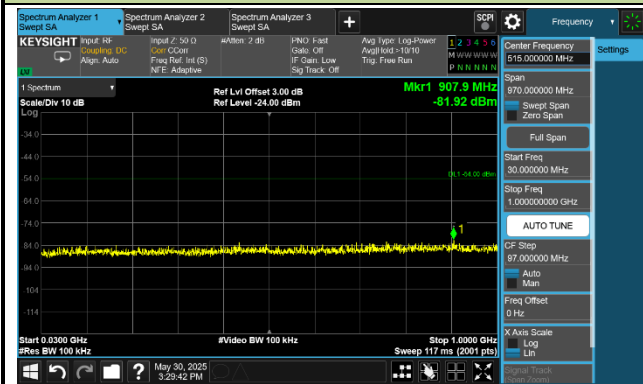
18000 ~ 26000MHz



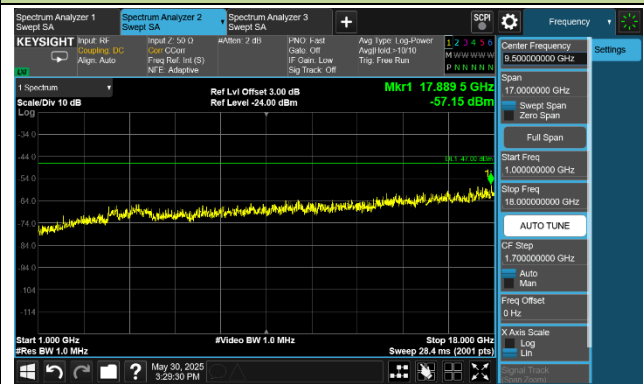
802.11be-EHT40 Secondary Radiated Emissions Strength

5710MHz

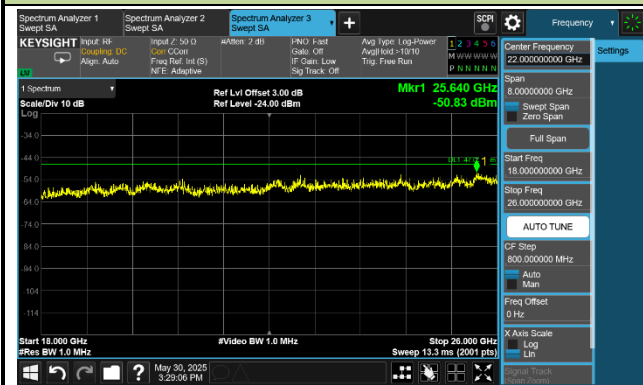
30 ~ 1000MHz



1000 ~ 18000MHz



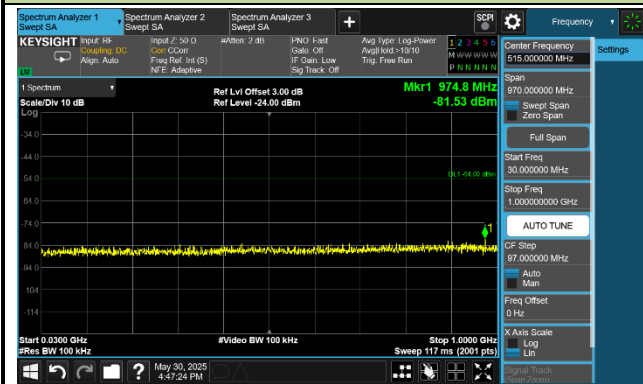
18000 ~ 26000MHz



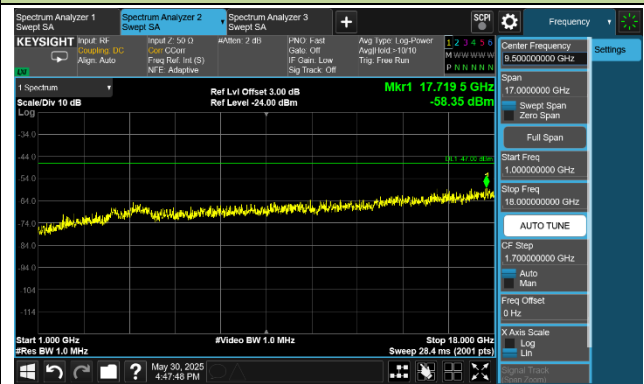
802.11be-EHT80 Secondary Radiated Emissions Strength

5210MHz

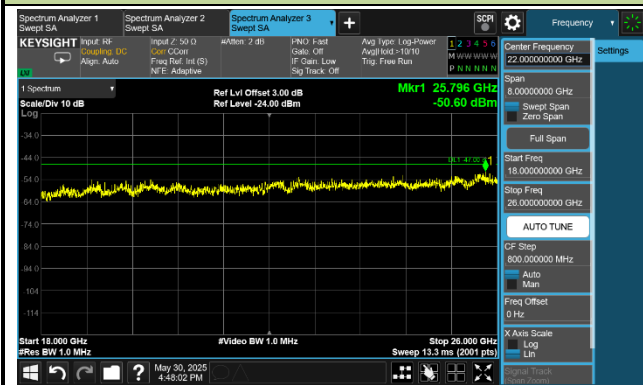
30 ~ 1000MHz



1000 ~ 18000MHz



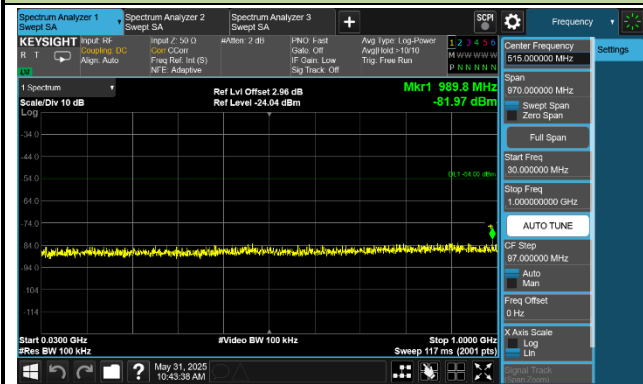
18000 ~ 26000MHz



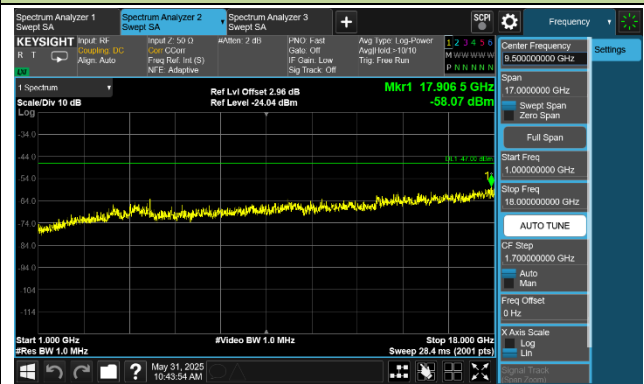
802.11be-EHT80 Secondary Radiated Emissions Strength

5290MHz

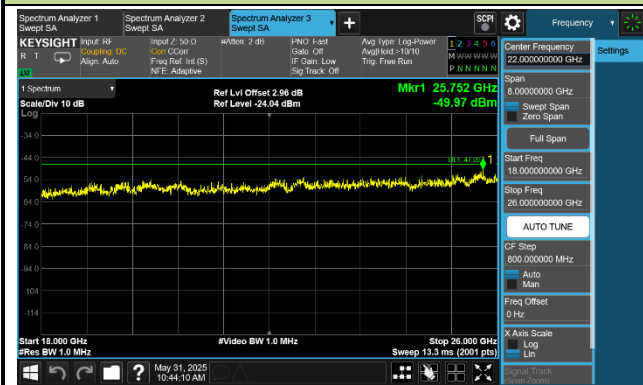
30 ~ 1000MHz



1000 ~ 18000MHz



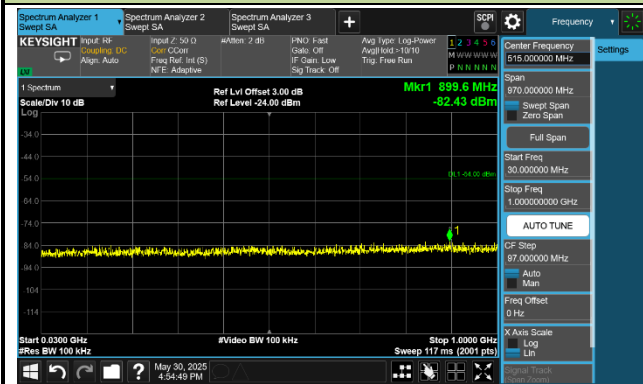
18000 ~ 26000MHz



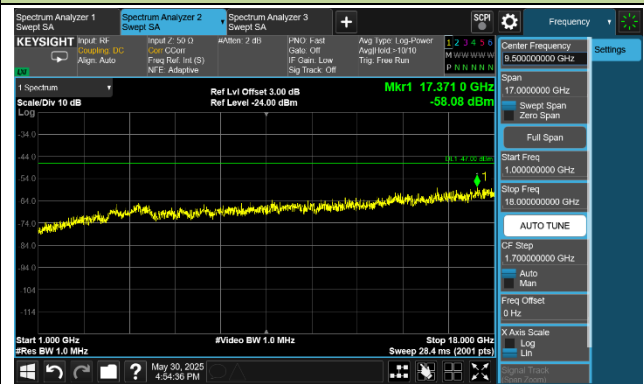
802.11be-EHT80 Secondary Radiated Emissions Strength

5530MHz

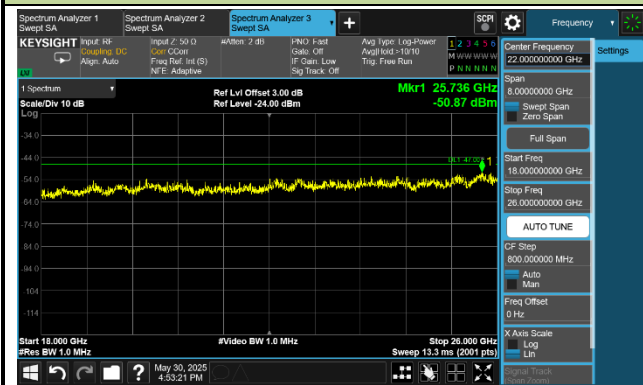
30 ~ 1000MHz



1000 ~ 18000MHz



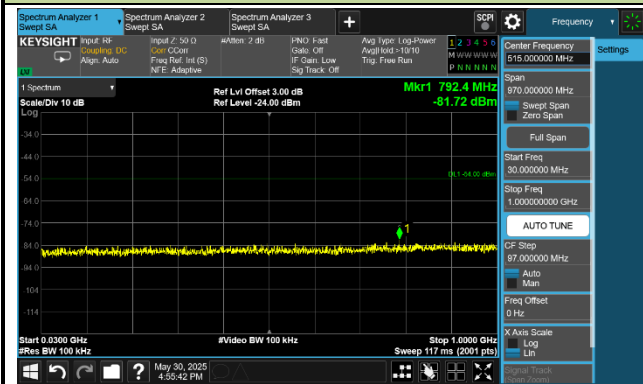
18000 ~ 26000MHz



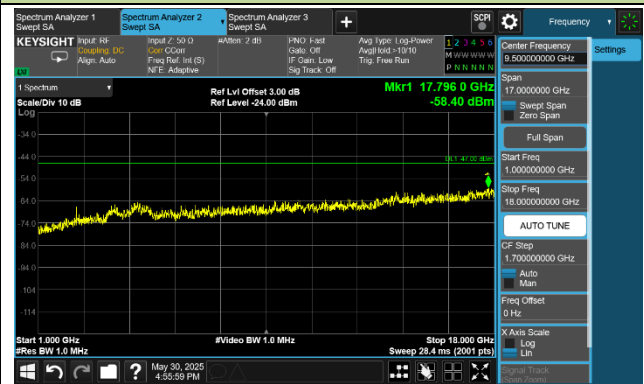
802.11be-EHT80 Secondary Radiated Emissions Strength

5610MHz

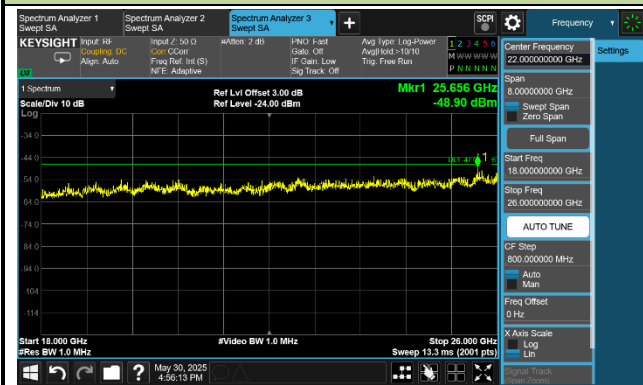
30 ~ 1000MHz



1000 ~ 18000MHz



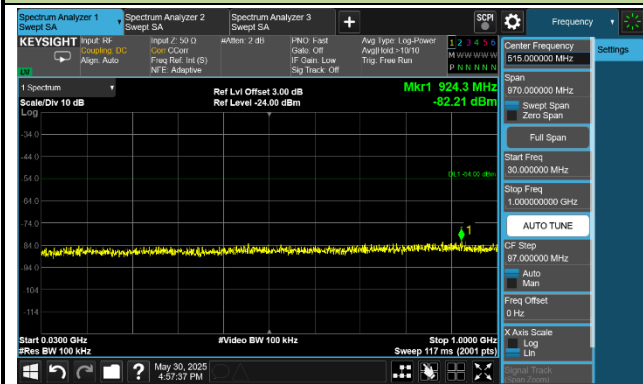
18000 ~ 26000MHz



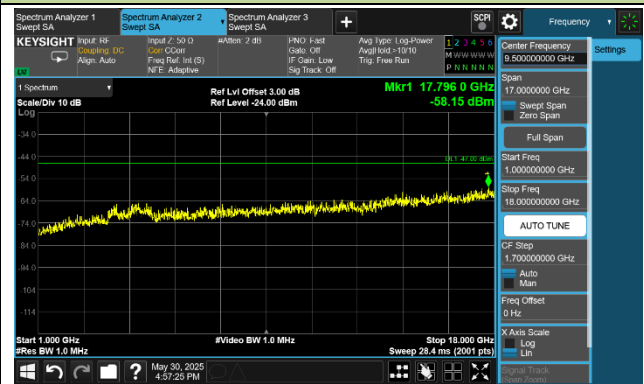
802.11be-EHT80 Secondary Radiated Emissions Strength

5690MHz

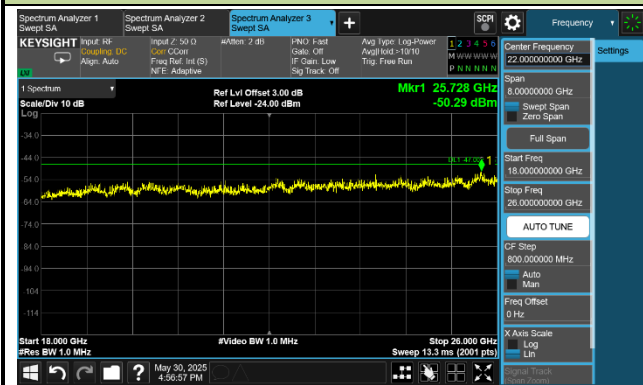
30 ~ 1000MHz



1000 ~ 18000MHz



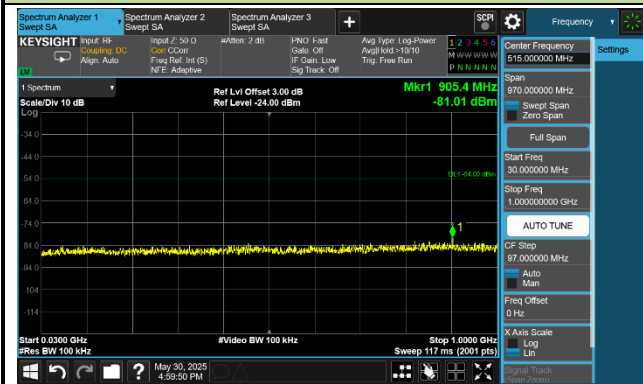
18000 ~ 26000MHz



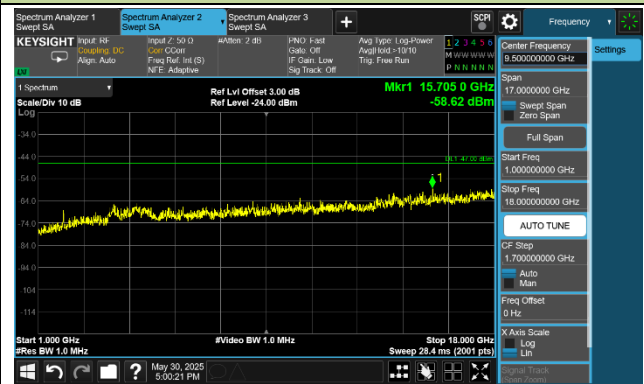
802.11be-EHT160 Secondary Radiated Emissions Strength

5250MHz

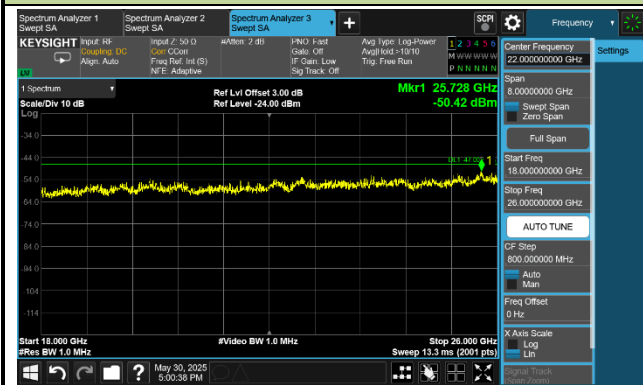
30 ~ 1000MHz



1000 ~ 18000MHz



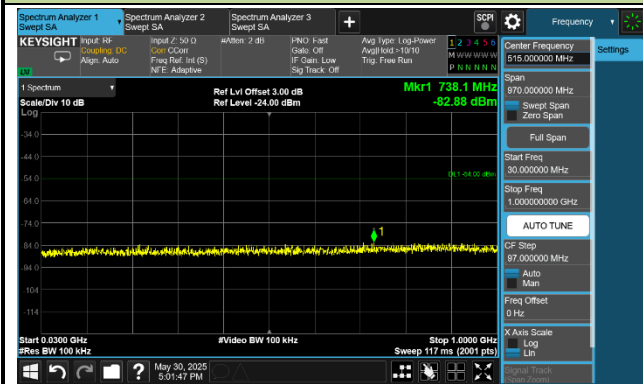
18000 ~ 26000MHz



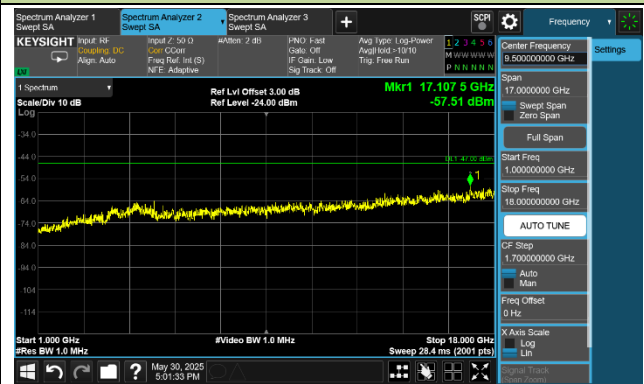
802.11be-EHT160 Secondary Radiated Emissions Strength

5570MHz

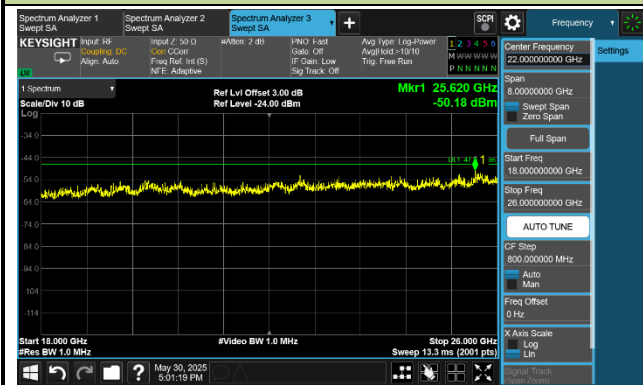
30 ~ 1000MHz



1000 ~ 18000MHz



18000 ~ 26000MHz



5.8. Carrier Sensing Measurement

5.8.1. Test Limit

Stop transmission while carrier detecting.

Field intensity in the direction of the maximum gain of a receiving antenna: 100mV/m (It's a radiated testing detection threshold level).

Refer to ARIB STD-T71 V7_0, the conducted detection threshold level shows as below:

(6)式の電界強度 E を既定値の 100mV/m (100dB μ V/m) とし、 λ (m)を F (MHz) に変換し、 P を dBm 単位で表すと (7) 式を得る。

$$P[\text{dBm}] = 22.79 + G - 20\log F \quad \text{----- (7)}$$

P : 受信機のアンテナ端子に入力される受信電力 [dBm]

G : 受信アンテナの絶対利得 [dBi]

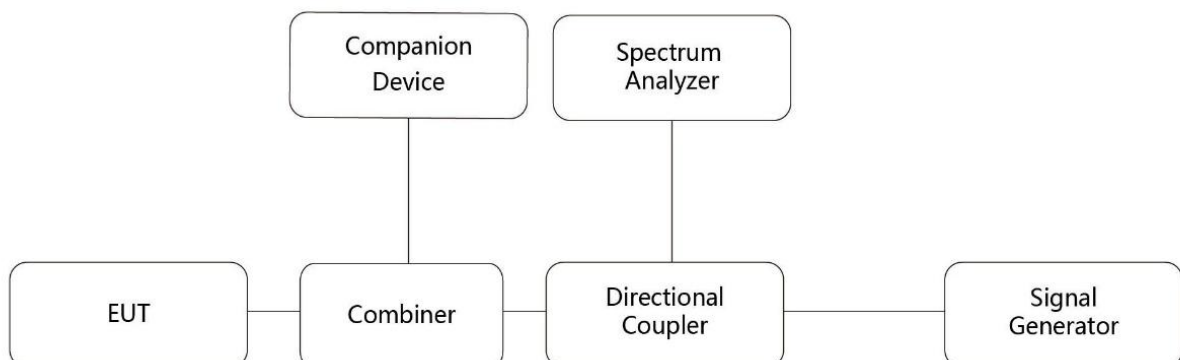
F : キャリア周波数 [MHz]

5.8.2. Test Procedure

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

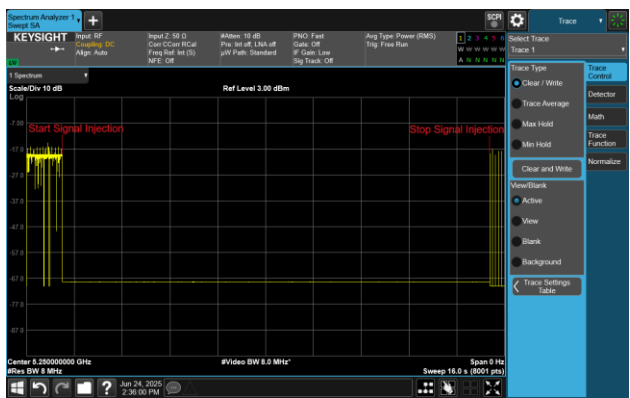
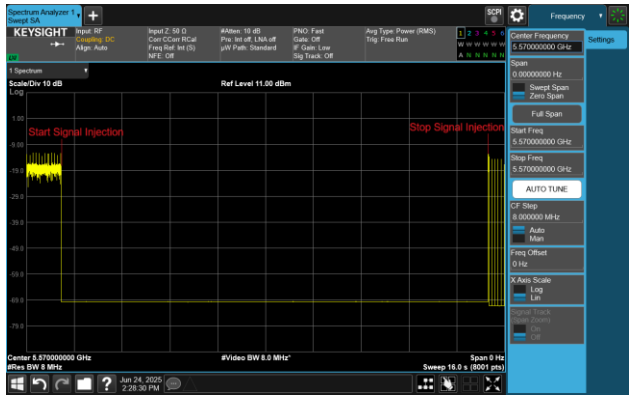
- Link EUT and Access Point to Directional Coupler input port.
- Link Signal Generator and Spectrum Analyzer to test port and output port in the Directional Coupler separately.
- A positive Peak Detector function in Spectrum Analyzer must be used.
- Set the Span to Zero.
- Press the Signal Generator on and it will output the Carrier Signal. When the Link breaks off, wait a minute and press the Signal Generator off. After a while, reset the Link and done the test.

5.8.3. Test Setup



5.8.4. est Result

Test Site	WJ-SR7	Temperature	23.7 °C
Test Engineer	Jake Lan	Humidity	53.6 %RH
Test Date	2025-06-24		

Carrier Sensing	
802.11be-EHT160 - 5250MHz	
	Signal Generator Power Level (dBm) = Path Loss + G - 20log (F) Path Loss: 22.79 G: Antenna Gain F: Operation Frequency Power Level = 22.79 + 2.91 - 20log (5250MHz) = -48.70dBm Test Result: Pass
802.11be-EHT160 - 5570MHz	
	Signal Generator Power Level (dBm) = Path Loss + G - 20log (F) Path Loss: 22.79 G: Antenna Gain F: Operation Frequency Power Level = 22.79 + 2.98 - 20log (5570MHz) = -49.15dBm Test Result: Pass

5.9. Transmission Burst Length Measurement

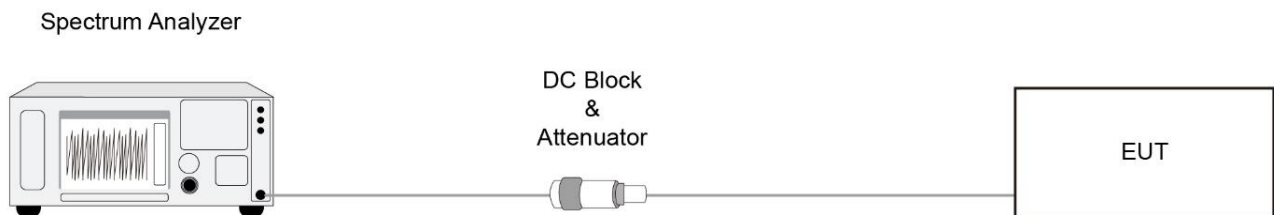
5.9.1. Test Limit

Transmission burst length must be 8ms or less.

5.9.2. 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 positive peak detector function must be used.
3. The center frequency is set to the test frequency and the span is switched to zero.
4. The measurement instrument bandwidth 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.
5. "Single sweep" mode may be used to capture a packet over a single scan.

5.9.3. Test Setup



5.9.4. Test Result

Test Site	WJ-SR3	Temperature	24.5 ~ 24.7 °C
Test Engineer	Ellie Wang	Humidity	47.5 ~ 50.5 %RH
Test Date	2025-05-27 ~ 2025-05-28		

Test Mode	Frequency (MHz)	Transmission Time (ms)	Limit (ms)	Result
802.11a	5180	2.064	≤ 8	Pass
	5220	2.064	≤ 8	Pass
	5240	2.064	≤ 8	Pass
	5260	2.064	≤ 8	Pass
	5300	2.064	≤ 8	Pass
	5320	2.064	≤ 8	Pass
	5500	2.060	≤ 8	Pass
	5600	2.064	≤ 8	Pass
	5700	2.064	≤ 8	Pass
	5720	2.064	≤ 8	Pass
802.11ac-VHT20	5180	1.928	≤ 8	Pass
	5220	1.928	≤ 8	Pass
	5240	1.928	≤ 8	Pass
	5260	1.928	≤ 8	Pass
	5300	1.928	≤ 8	Pass
	5320	1.928	≤ 8	Pass
	5500	1.928	≤ 8	Pass
	5600	1.928	≤ 8	Pass
	5700	1.928	≤ 8	Pass
	5720	1.928	≤ 8	Pass
802.11ac-VHT40	5190	0.950	≤ 8	Pass
	5230	0.952	≤ 8	Pass
	5270	0.950	≤ 8	Pass
	5310	0.952	≤ 8	Pass
	5510	0.950	≤ 8	Pass
	5590	0.952	≤ 8	Pass
	5670	0.952	≤ 8	Pass
	5710	0.952	≤ 8	Pass

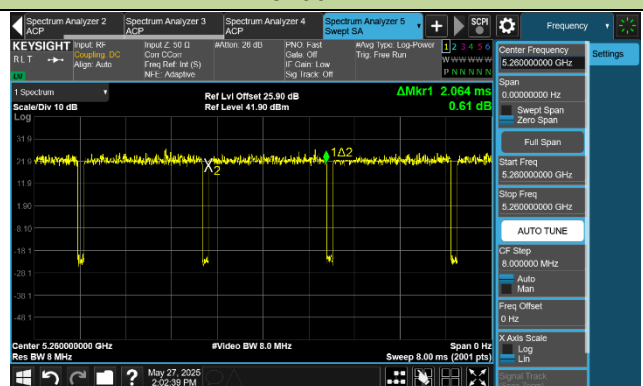
Test Mode	Frequency (MHz)	Transmission Time (ms)	Limit (ms)	Result
802.11ac-VHT80	5210	0.4600	≤ 8	Pass
	5290	0.4590	≤ 8	Pass
	5530	0.4590	≤ 8	Pass
	5610	0.4590	≤ 8	Pass
	5690	0.4590	≤ 8	Pass
802.11ac-VHT160	5250	0.2505	≤ 8	Pass
	5570	0.2520	≤ 8	Pass
802.11ax-HE20	5180	1.4910	≤ 8	Pass
	5220	1.4910	≤ 8	Pass
	5240	1.4910	≤ 8	Pass
	5260	1.4910	≤ 8	Pass
	5300	1.4910	≤ 8	Pass
	5320	1.4910	≤ 8	Pass
	5500	1.4910	≤ 8	Pass
	5600	1.4910	≤ 8	Pass
	5700	1.4910	≤ 8	Pass
	5720	1.4910	≤ 8	Pass
802.11ax-HE40	5190	0.7835	≤ 8	Pass
	5230	0.7851	≤ 8	Pass
	5270	0.7835	≤ 8	Pass
	5310	0.7851	≤ 8	Pass
	5510	0.7835	≤ 8	Pass
	5590	0.7851	≤ 8	Pass
	5670	0.7851	≤ 8	Pass
	5710	0.7851	≤ 8	Pass
802.11ax-HE80	5210	0.4050	≤ 8	Pass
	5290	0.4040	≤ 8	Pass
	5530	0.4040	≤ 8	Pass
	5610	0.4040	≤ 8	Pass
	5690	0.4040	≤ 8	Pass
802.11ax-HE160	5250	0.2410	≤ 8	Pass
	5570	0.2410	≤ 8	Pass

Test Mode	Frequency (MHz)	Transmission Time (ms)	Limit (ms)	Result
802.11be-EHT20	5180	1.4910	≤ 8	Pass
	5220	1.4910	≤ 8	Pass
	5240	1.4910	≤ 8	Pass
	5260	1.4910	≤ 8	Pass
	5300	1.4910	≤ 8	Pass
	5320	1.4910	≤ 8	Pass
	5500	1.4910	≤ 8	Pass
	5600	1.4910	≤ 8	Pass
	5700	1.4910	≤ 8	Pass
	5720	1.4910	≤ 8	Pass
802.11be-EHT40	5190	0.7774	≤ 8	Pass
	5230	0.7789	≤ 8	Pass
	5270	0.7774	≤ 8	Pass
	5310	0.7805	≤ 8	Pass
	5510	0.7789	≤ 8	Pass
	5590	0.7789	≤ 8	Pass
	5670	0.7759	≤ 8	Pass
	5710	0.7789	≤ 8	Pass
802.11be-EHT80	5210	0.4080	≤ 8	Pass
	5290	0.4080	≤ 8	Pass
	5530	0.4080	≤ 8	Pass
	5610	0.4080	≤ 8	Pass
	5690	0.4080	≤ 8	Pass
802.11be-EHT160	5250	0.2395	≤ 8	Pass
	5570	0.2395	≤ 8	Pass

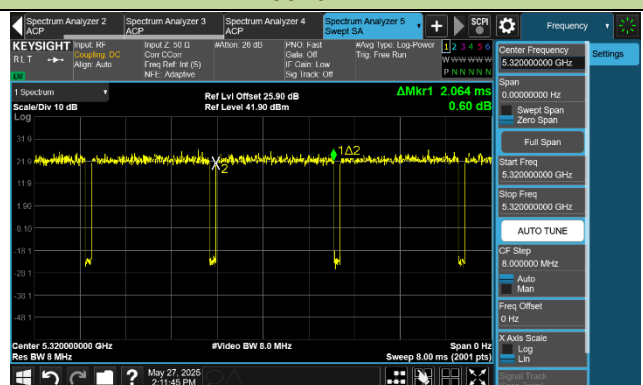
5220MHz



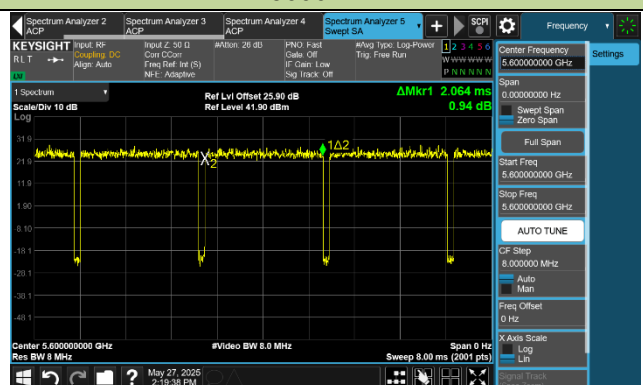
5260MHz



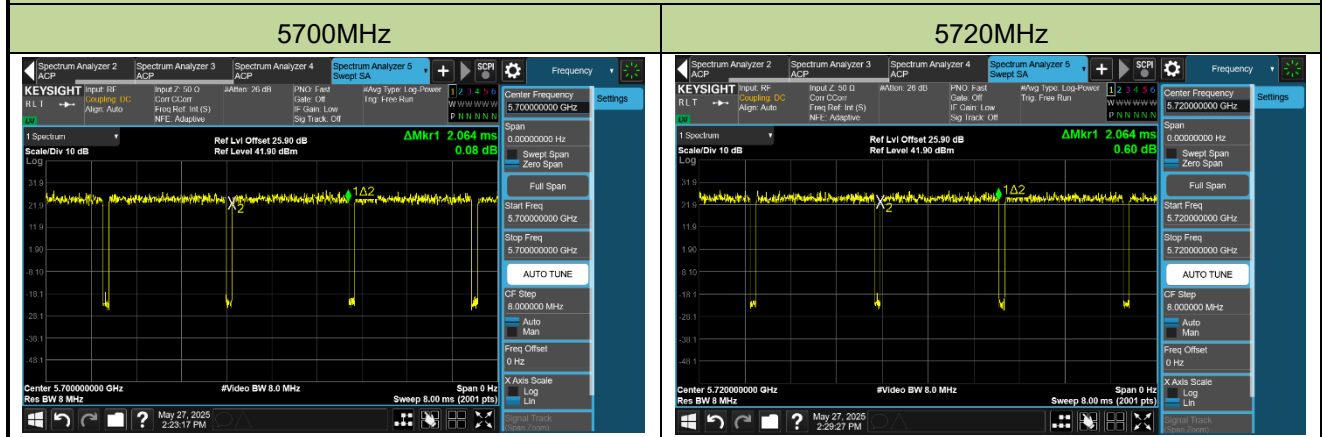
5320MHz



5600MHz

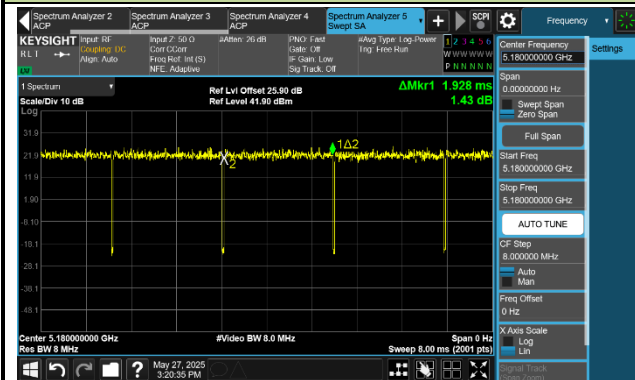


Transmission burst length - 802.11a

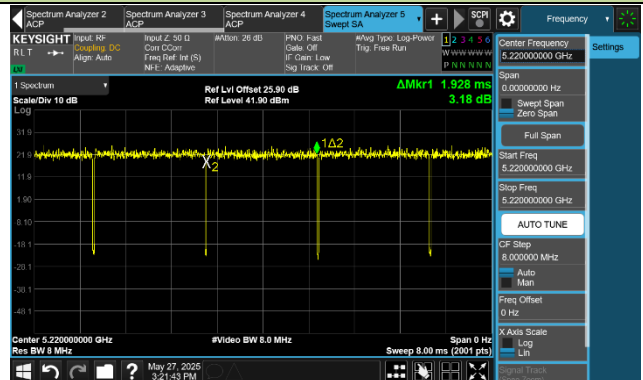


Transmission burst length - 802.11ac-VHT20

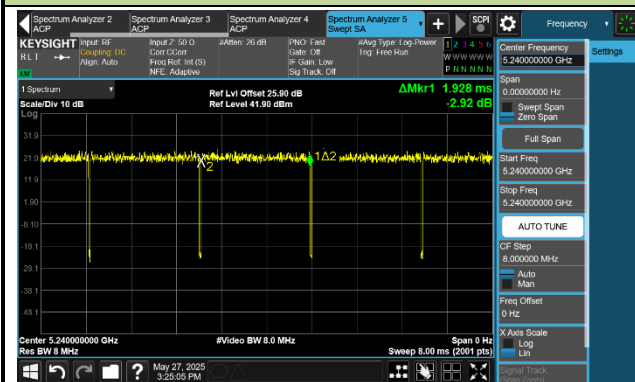
5180MHz



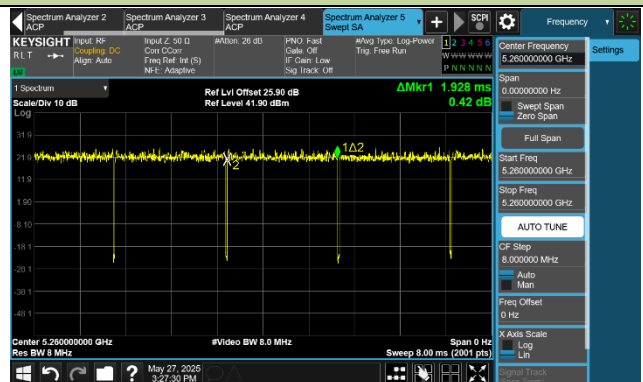
5220MHz



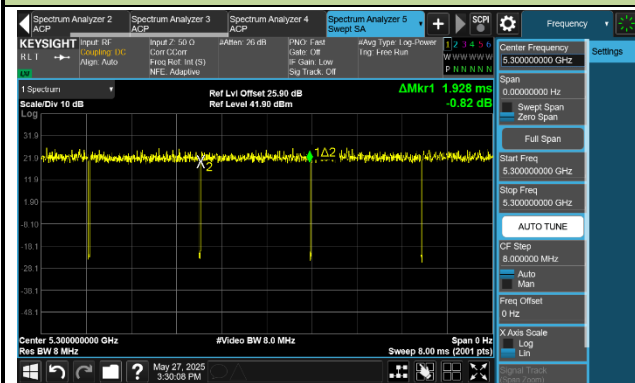
5240MHz



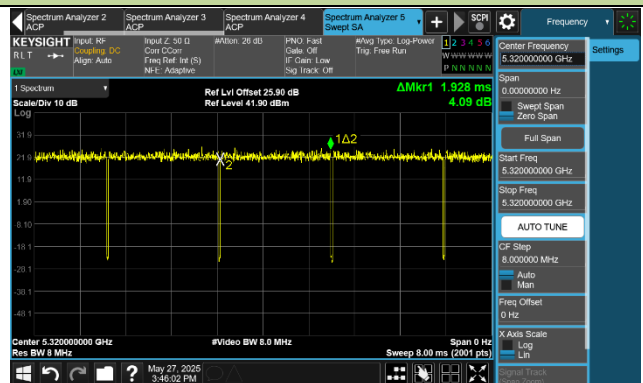
5260MHz



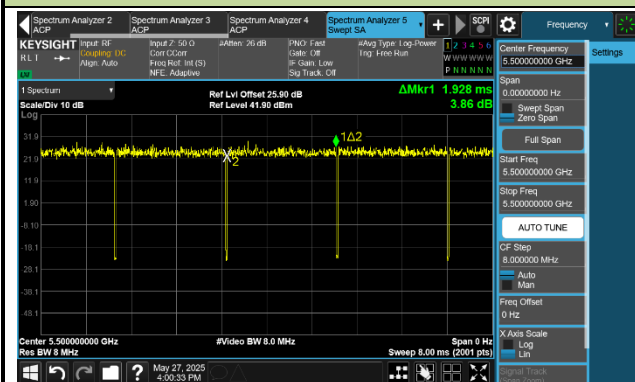
5300MHz



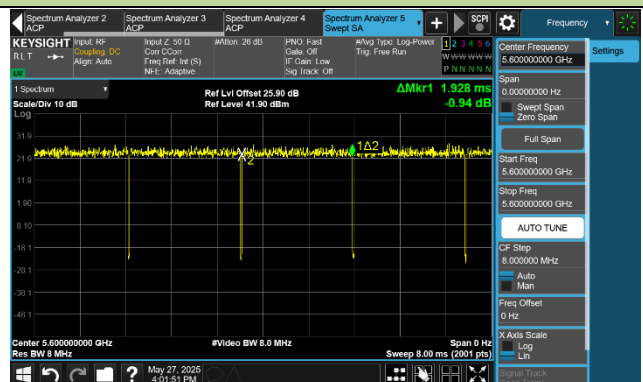
5320MHz



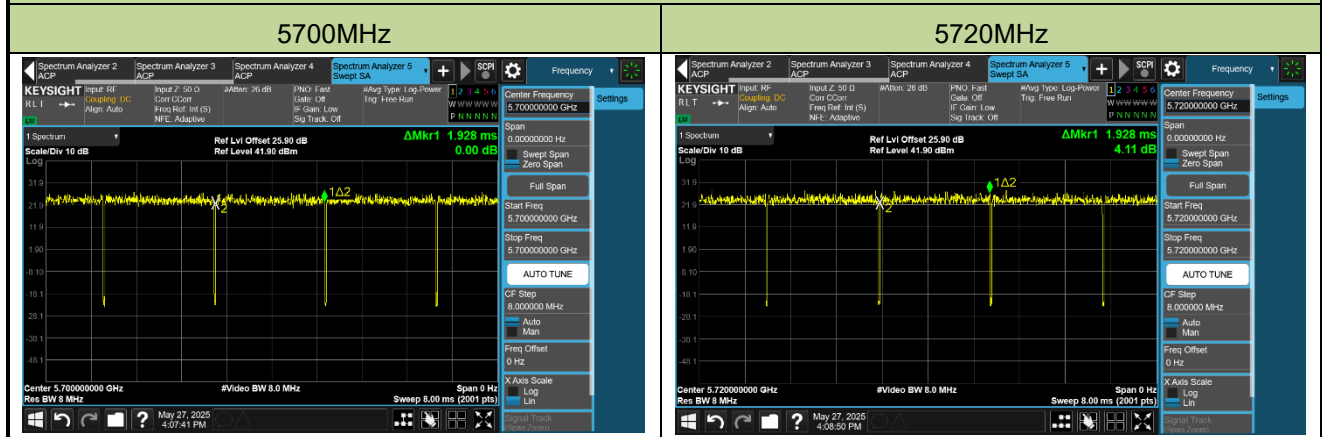
5500MHz



5600MHz

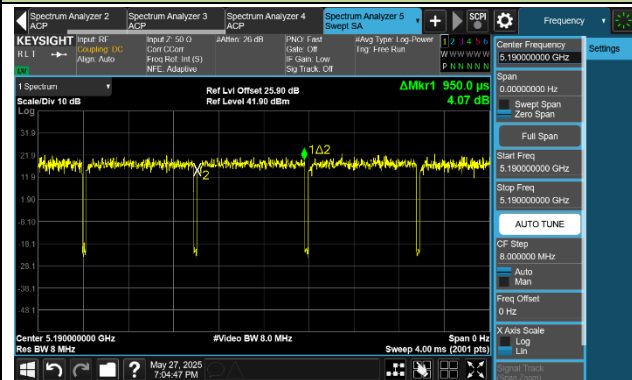


Transmission burst length - 802.11ac-VHT20

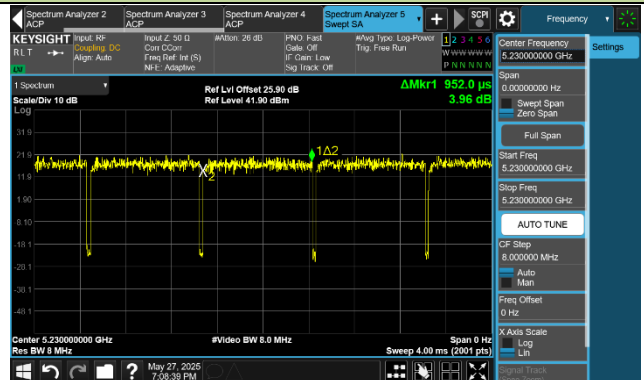


Transmission burst length - 802.11ac-VHT40

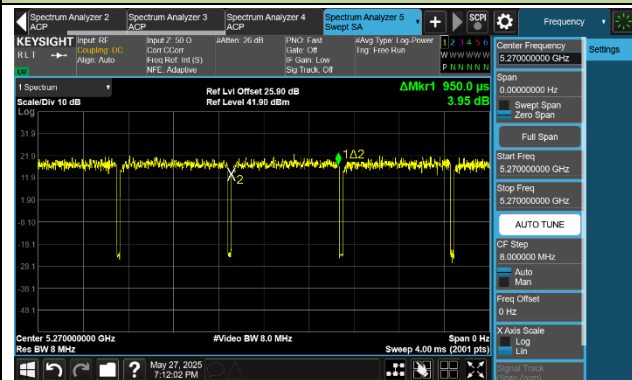
5190MHz



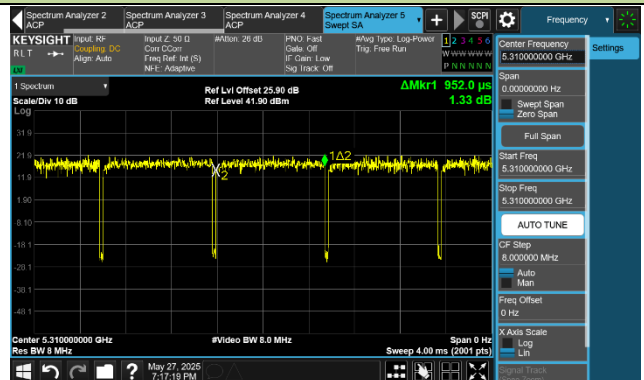
5230MHz



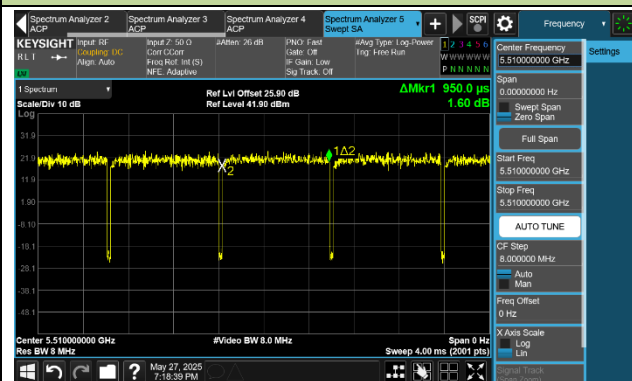
5270MHz



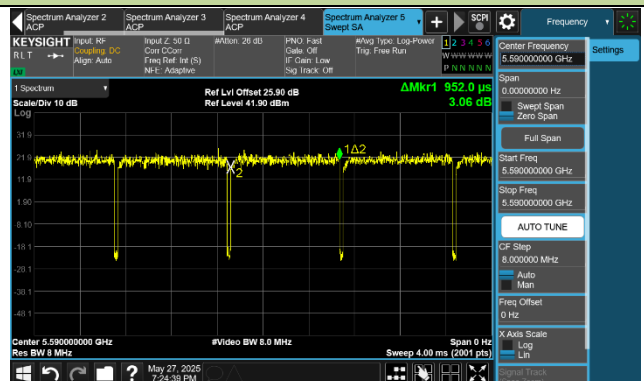
5310MHz



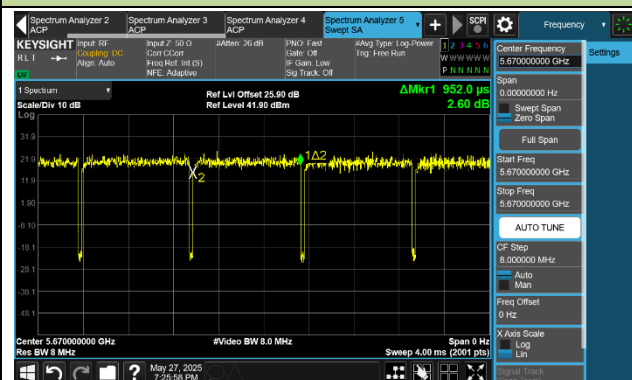
5510MHz



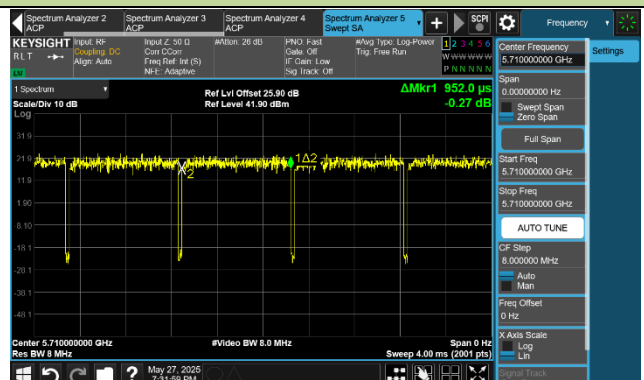
5590MHz



5670MHz

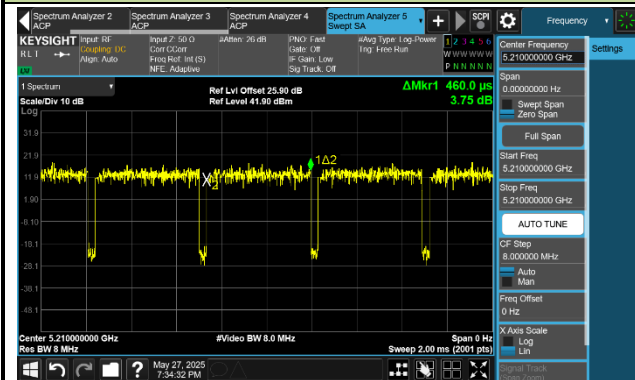


5710MHz

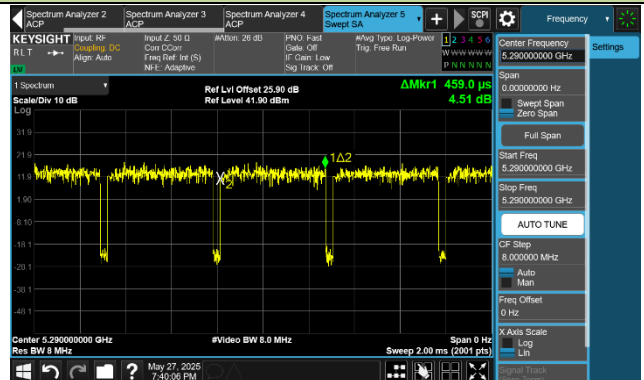


Transmission burst length - 802.11ac-VHT80

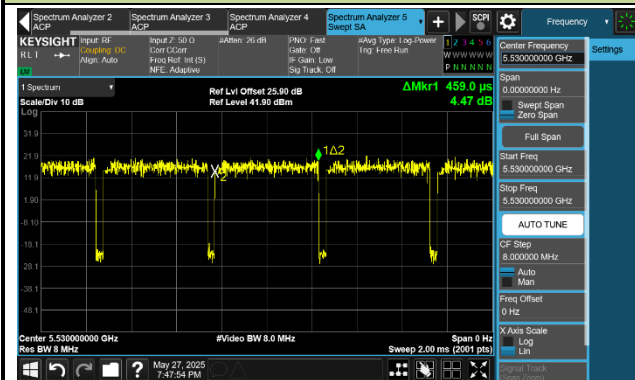
5210MHz



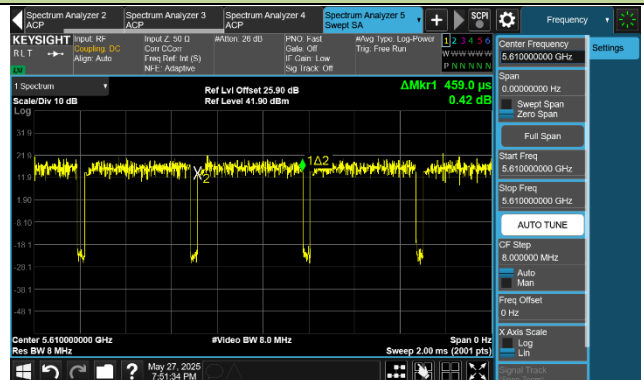
5290MHz



5530MHz



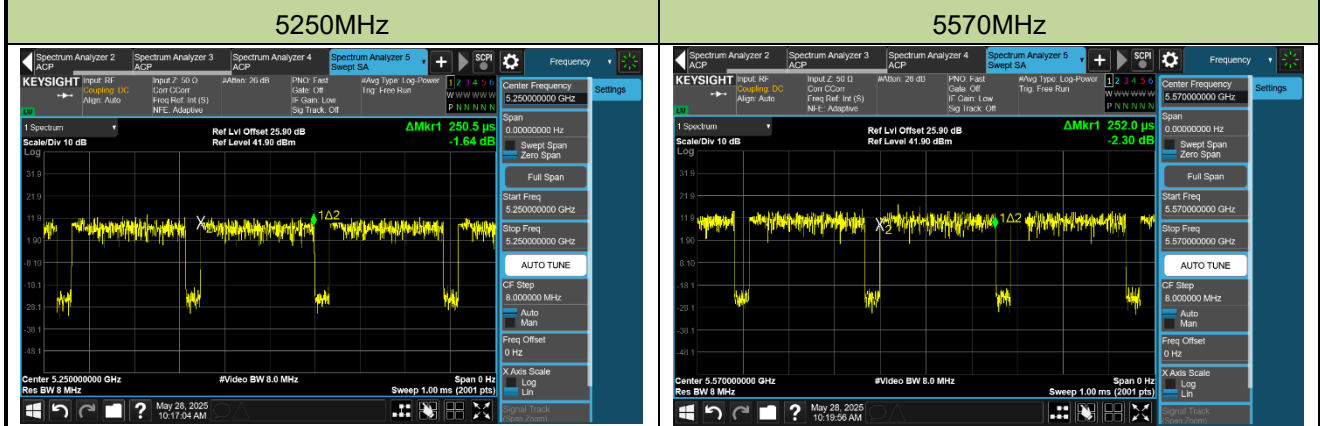
5610MHz



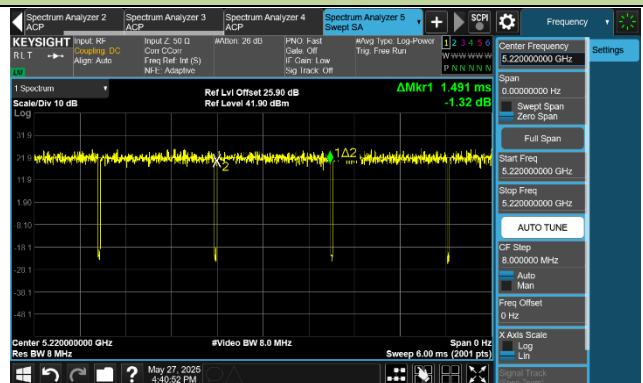
5690MHz



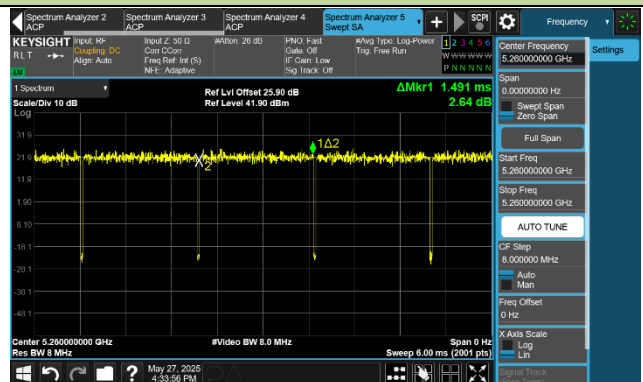
Transmission burst length - 802.11ac-VHT160



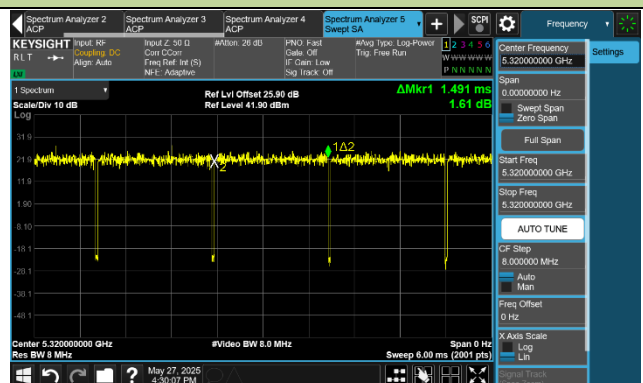
5220MHz



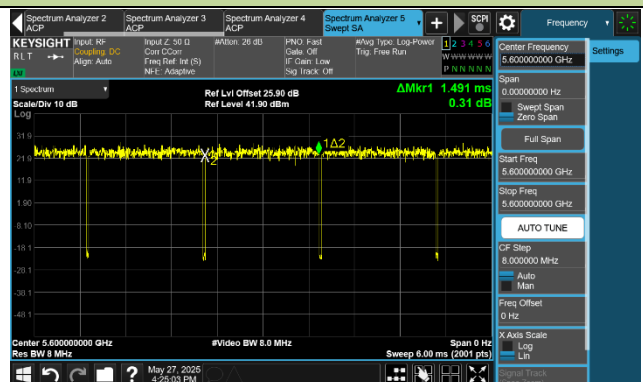
5260MHz



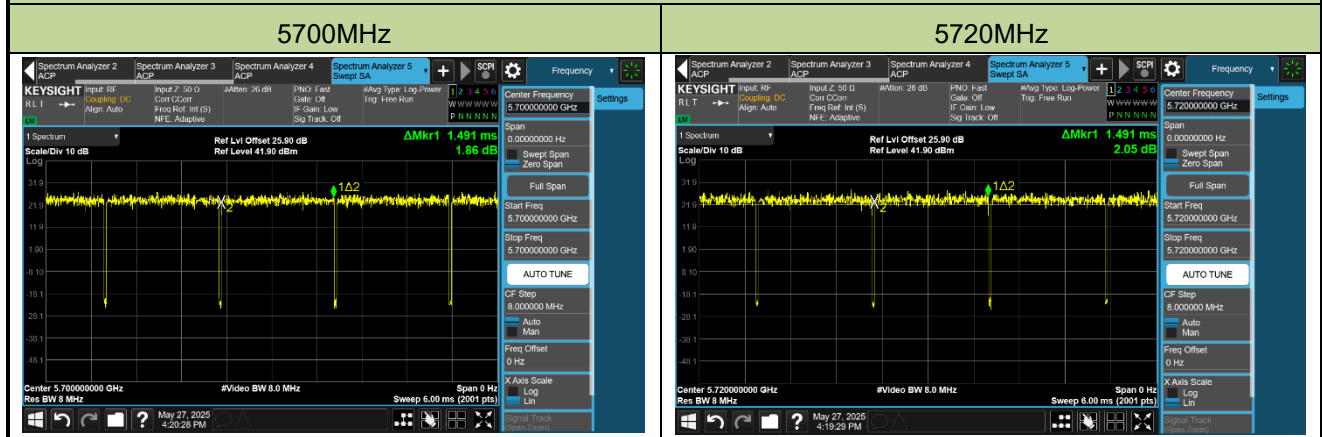
5320MHz



5600MHz

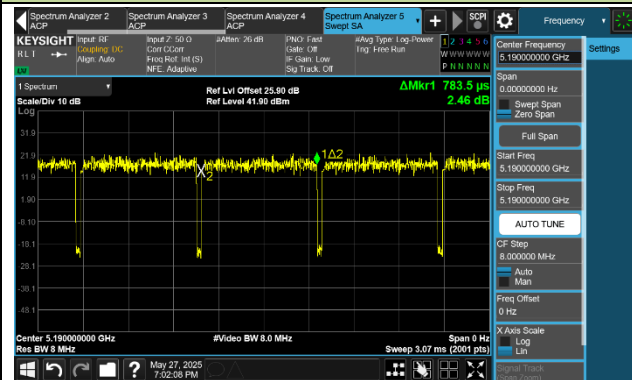


Transmission burst length - 802.11ax-HE20

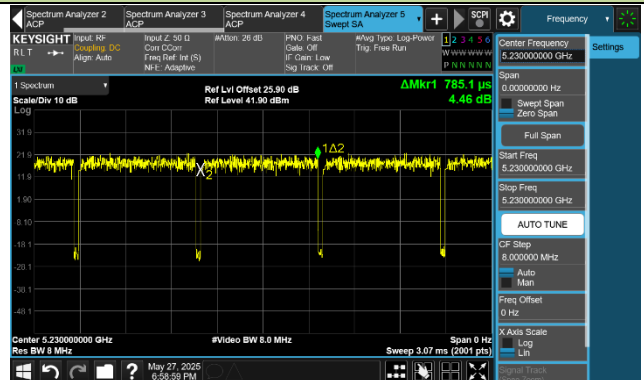


Transmission burst length - 802.11ax-HE40

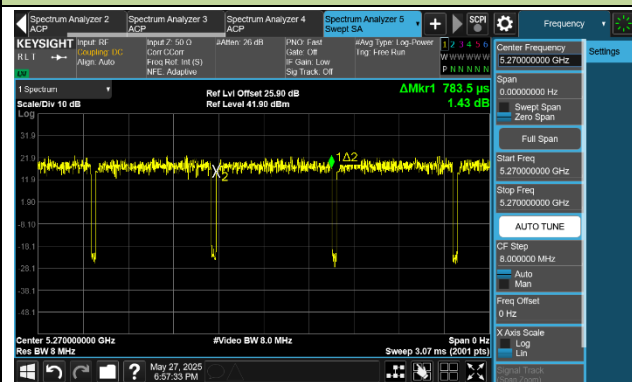
5190MHz



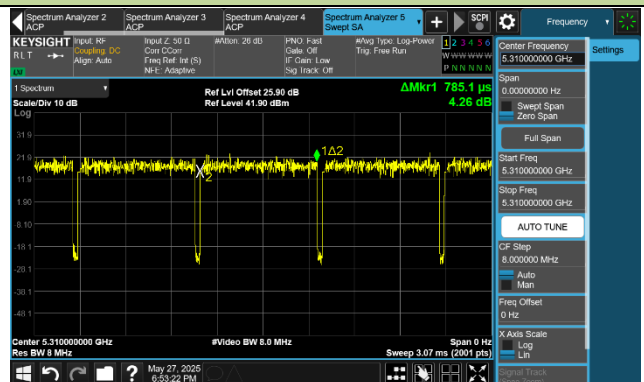
5230MHz



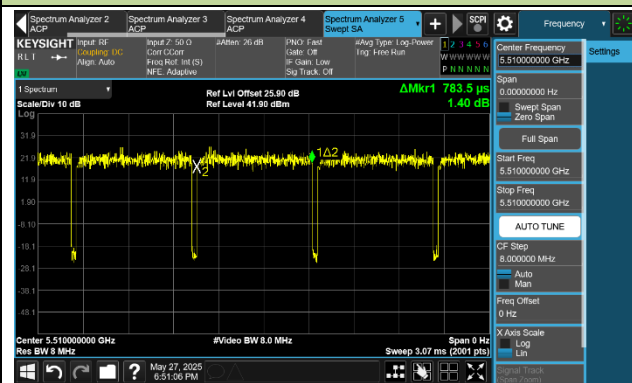
5270MHz



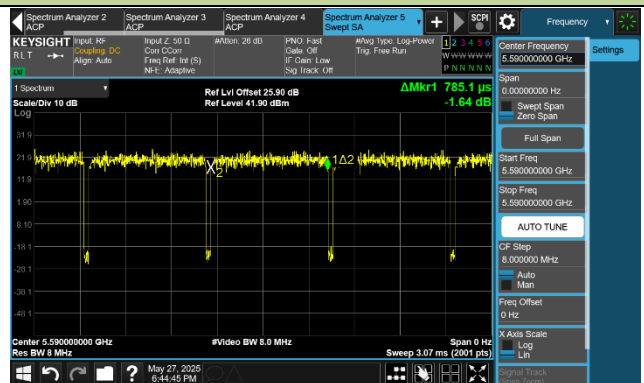
5310MHz



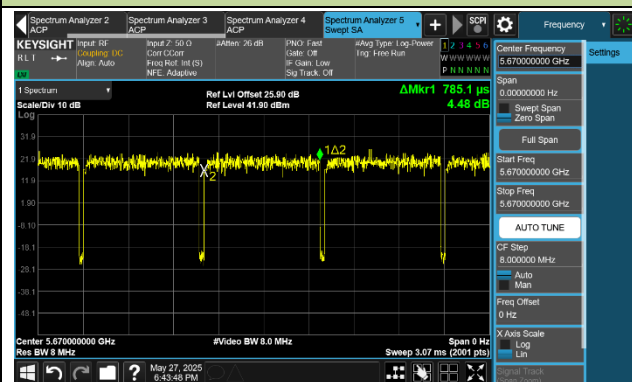
5510MHz



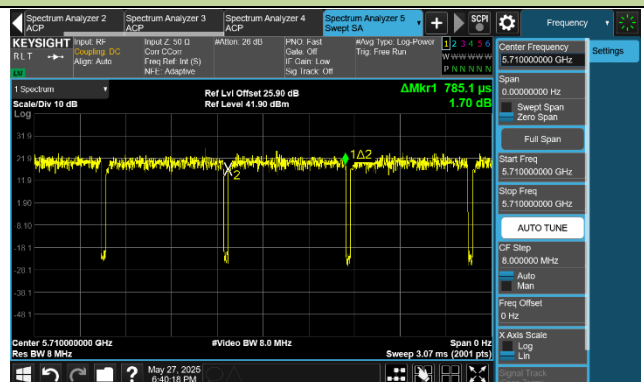
5590MHz



5670MHz

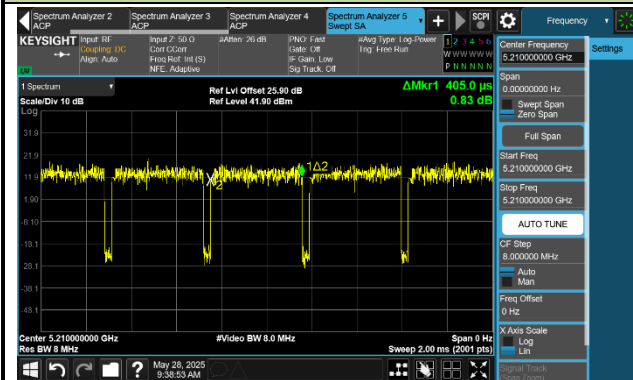


5710MHz

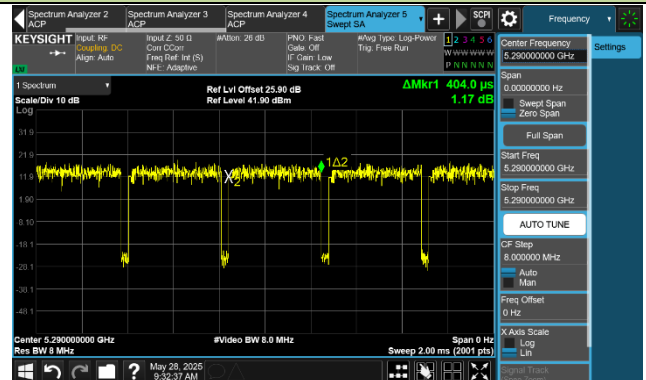


Transmission burst length - 802.11ax-HE80

5210MHz



5290MHz



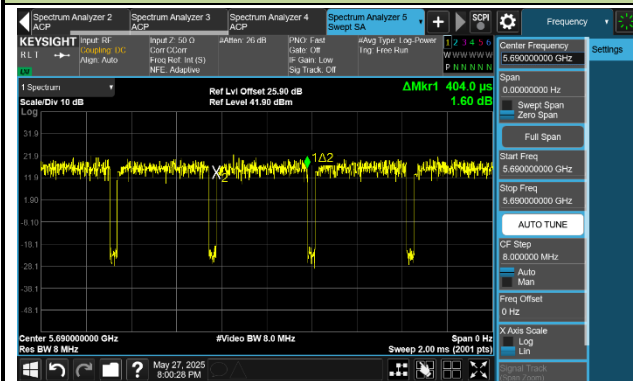
5530MHz



5610MHz

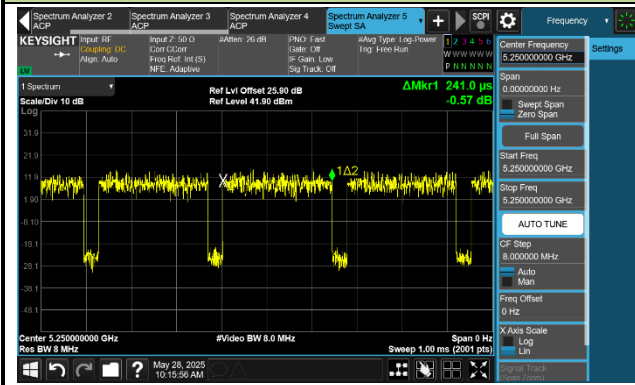


5690MHz



Transmission burst length - 802.11ax-HE160

5250MHz

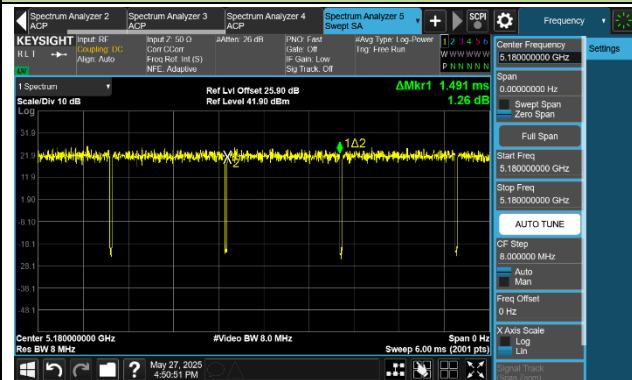


5570MHz

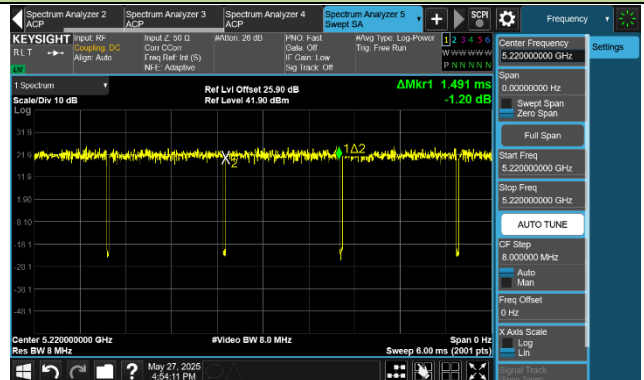


Transmission burst length - 802.11be-EHT20

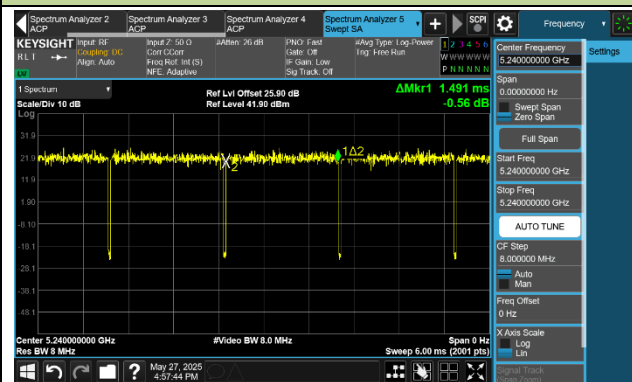
5180MHz



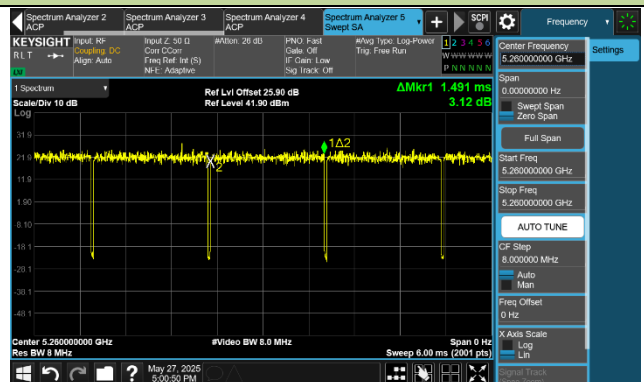
5220MHz



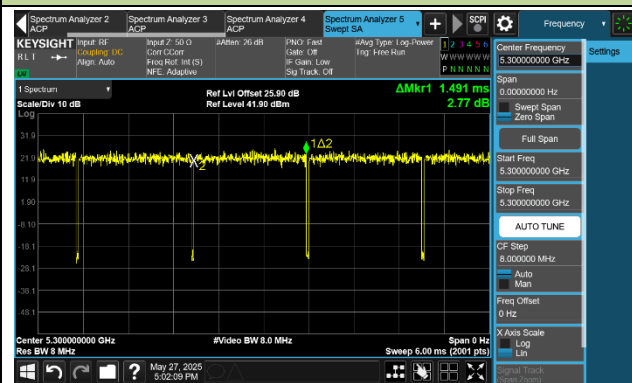
5240MHz



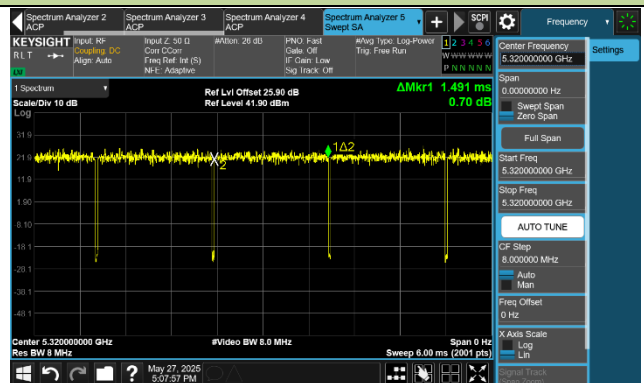
5260MHz



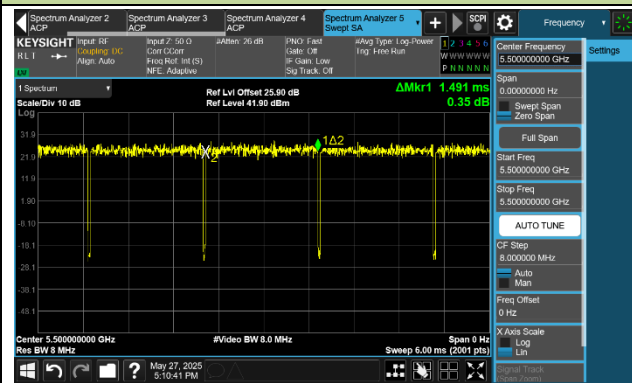
5300MHz



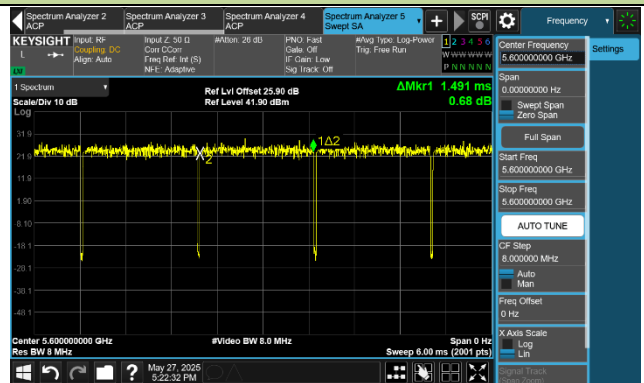
5320MHz



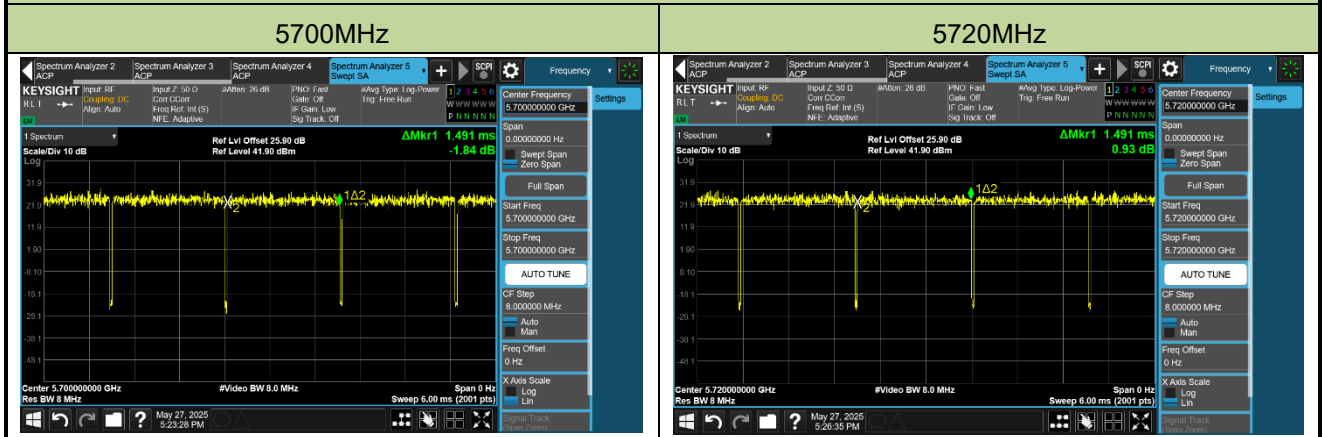
5500MHz



5600MHz

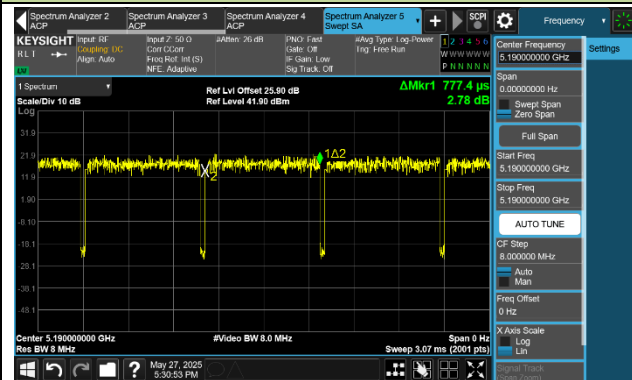


Transmission burst length - 802.11be-EHT20

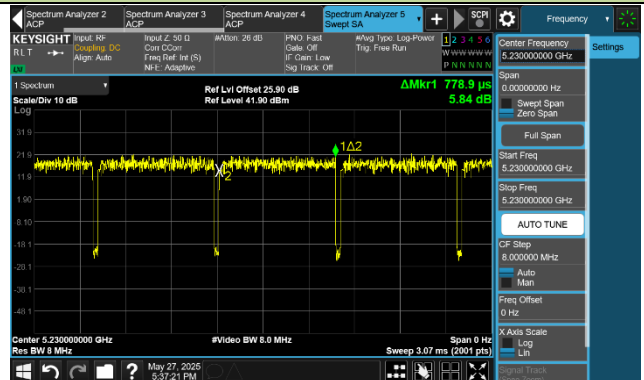


Transmission burst length - 802.11be-EHT40

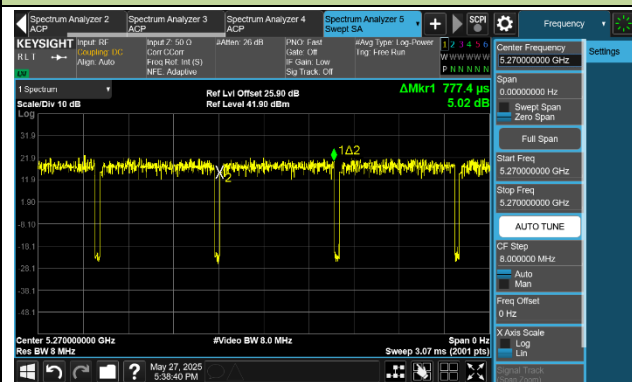
5190MHz



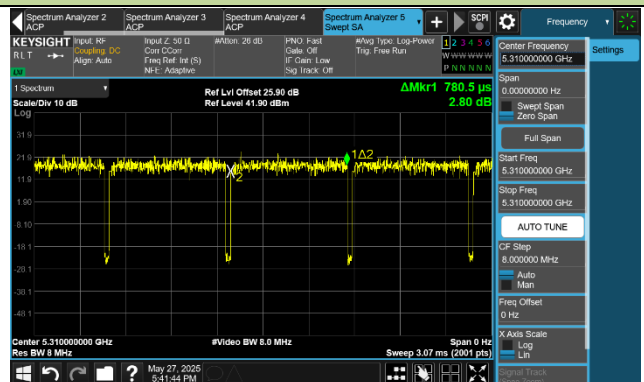
5230MHz



5270MHz



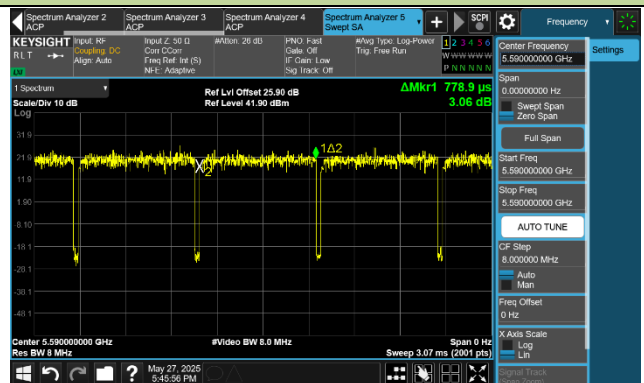
5310MHz



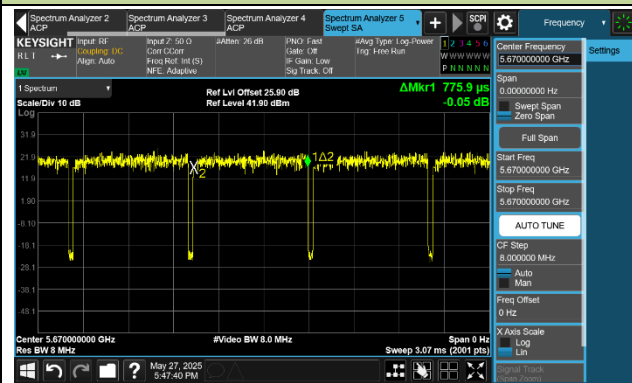
5510MHz



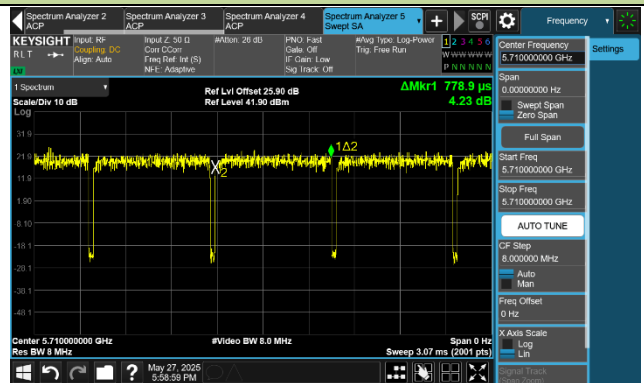
5590MHz



5670MHz

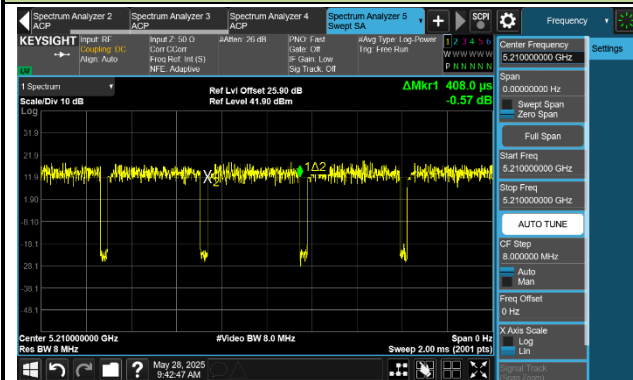


5710MHz

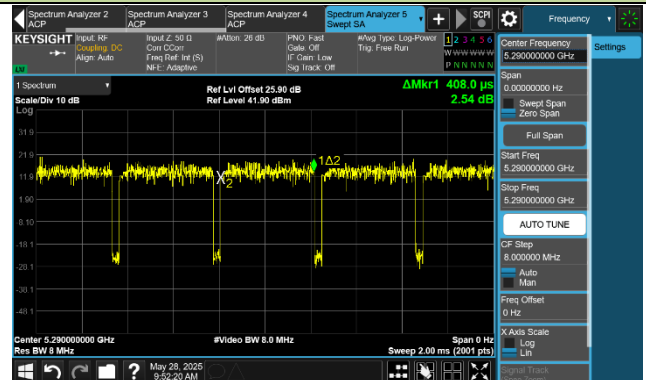


Transmission burst length - 802.11be-EHT80

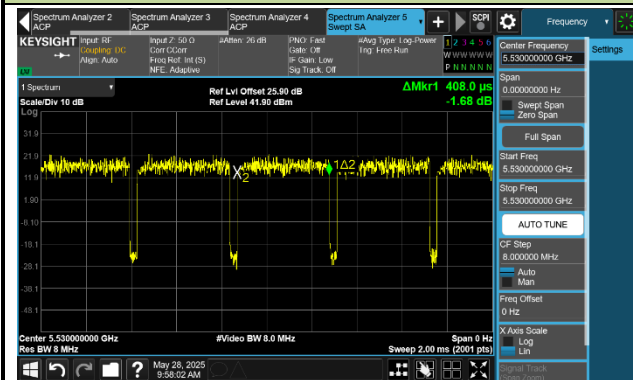
5210MHz



5290MHz



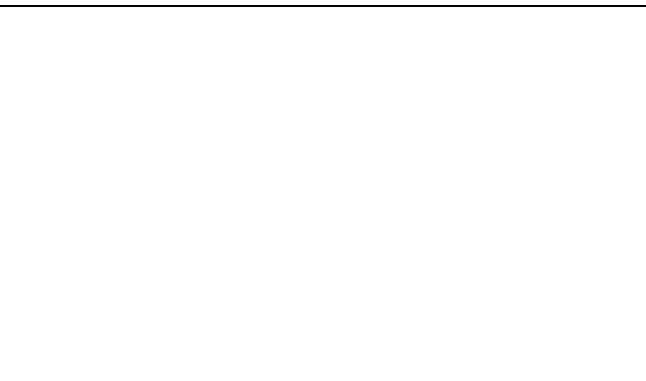
5530MHz



5610MHz



5690MHz

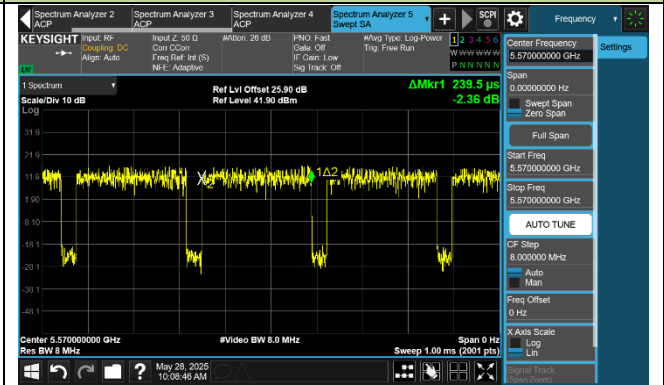


Transmission burst length - 802.11be-EHT160

5250MHz



5570MHz



5.10. Interference Protection Function Measurement

5.10.1. Test Limit

Chiefly, the one automatically to transmit and to receive identification code with the wireless equipment of the wireless station used in the same premises.

5.10.2. Test Procedure

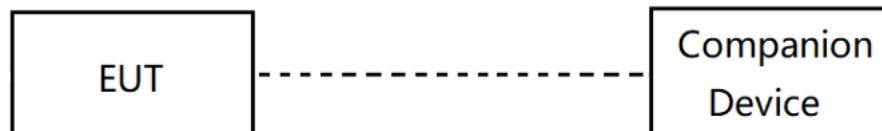
(1) In the case that the EUT has the function of automatically transmitting the identification codes:

- a. Transmit the predetermined identification codes from the EUT.
- b. Check the transmitted identification codes with the demodulator.

(2) In the case of receiving the identification codes:

- a. Transmit the predetermined identification codes from the counterpart.
- b. Check if the communication is normal.
- c. Transmit the signals other than predetermined ID codes from the counterpart.
- d. Check if the EUT stops the transmission, or if it displays that the identification codes are different from the predetermined ones.

5.10.3. Test Setup



5.10.4. Test Result

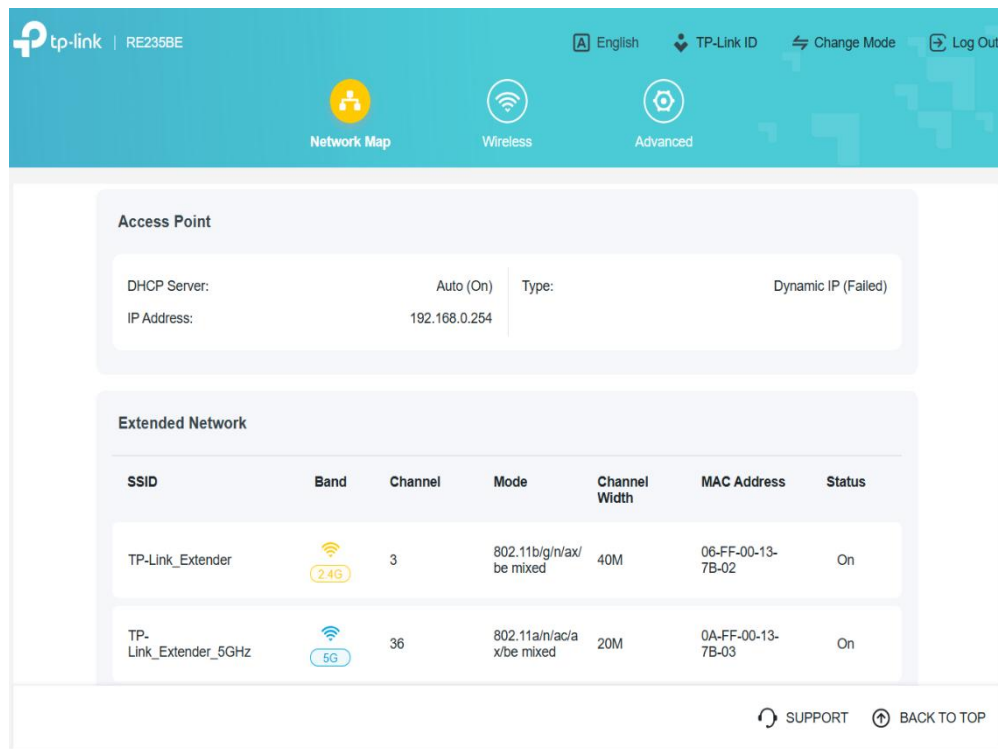
Test Site	WJ-SR7	Temperature	27.6 °C
Test Engineer	Simon Lu	Humidity	48.9 %RH
Test Date	2025-06-30		

The Result of Interference Protection Function

☒	Good
☐	NG

Notes:

1. NG means not good.
2. When the EUT work on normal operation, we can use accessory equipment to communicate with EUT to obtain this EUT MAC address. So the EUT can have Interference Prevention Function.



Appendix A - EUT Photograph

Refer to "R25S1039058-JE" file.

Appendix B - Test Setup Photograph

Refer to "R25S1039058-JT" file.

_____ The End _____