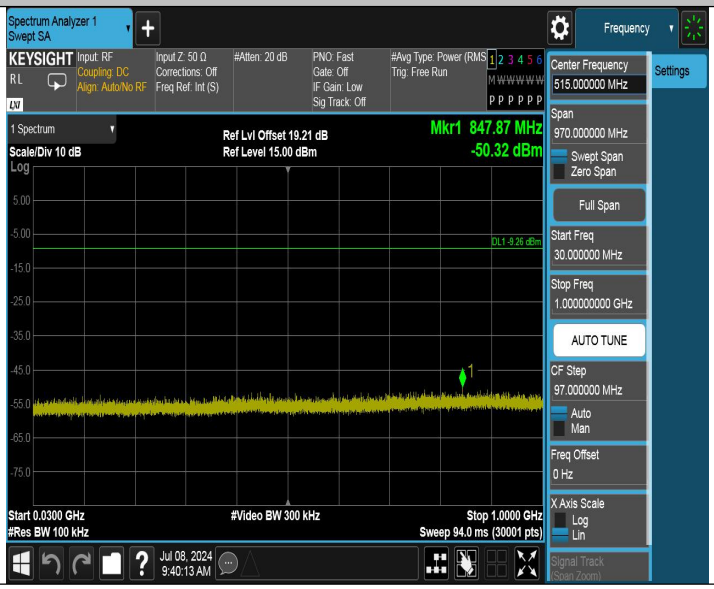
11AX20_Low_2412

11AX20_High_2462

11B_2412_0~Reference

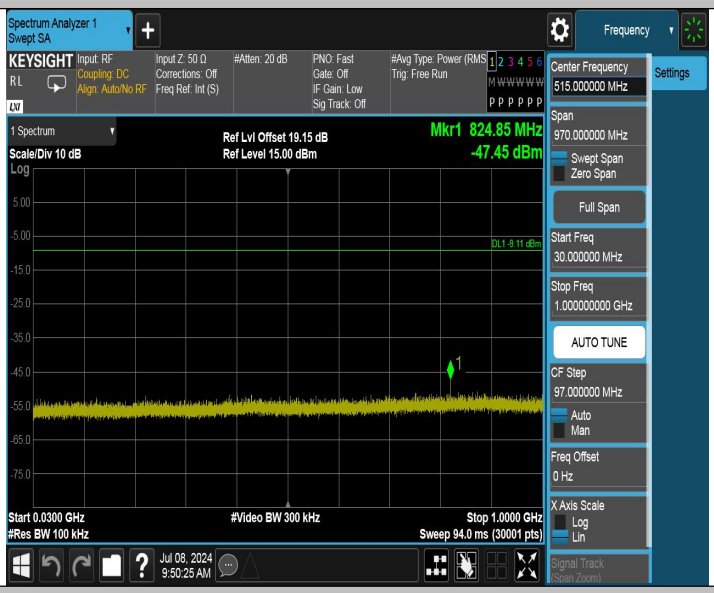
11B_2412_30~1000



11B_2412_1000~26500

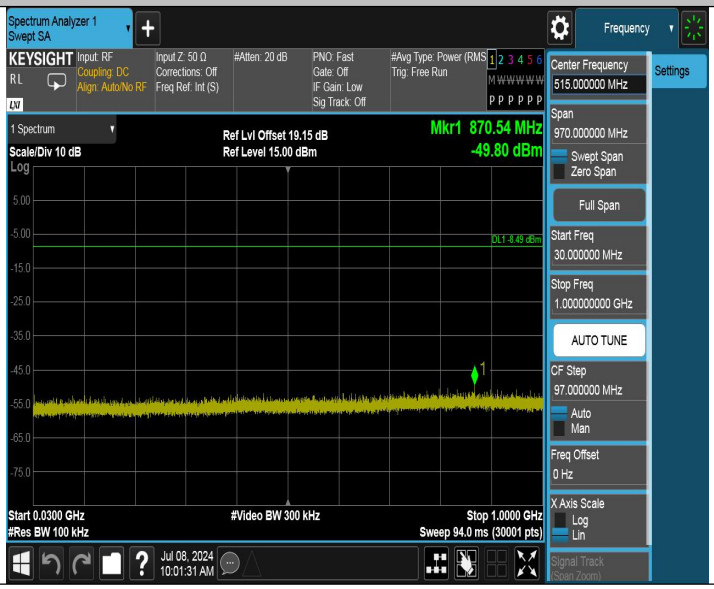
11B_2437_0~Reference


11B_2437_30~1000

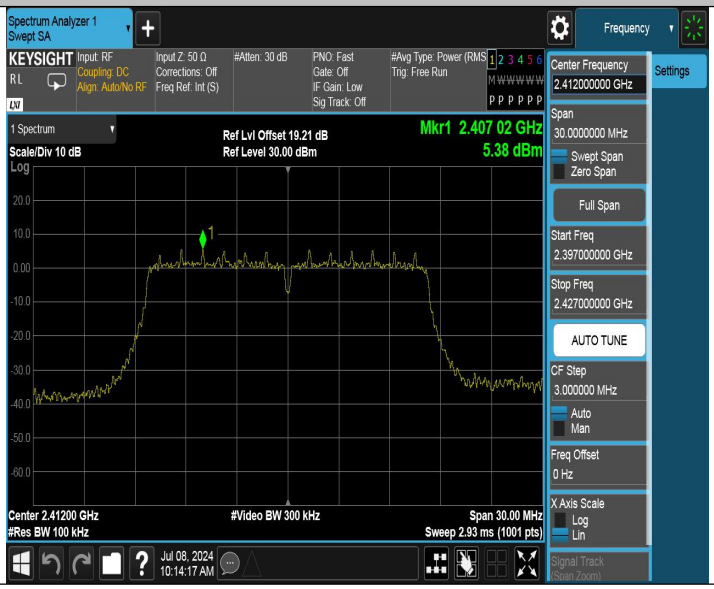


11B_2437_1000~26500

11B_2462_0~Reference

11B_2462_30~1000


11B_2462_1000~26500

11G_2412_0~Reference


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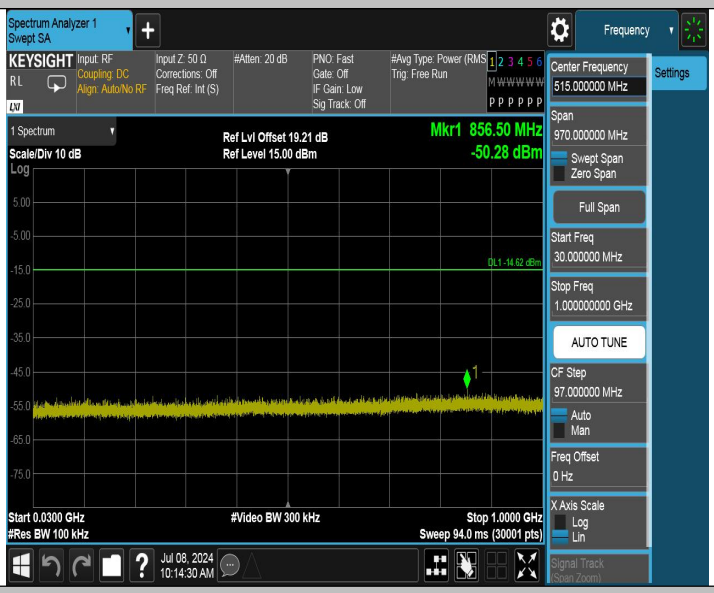
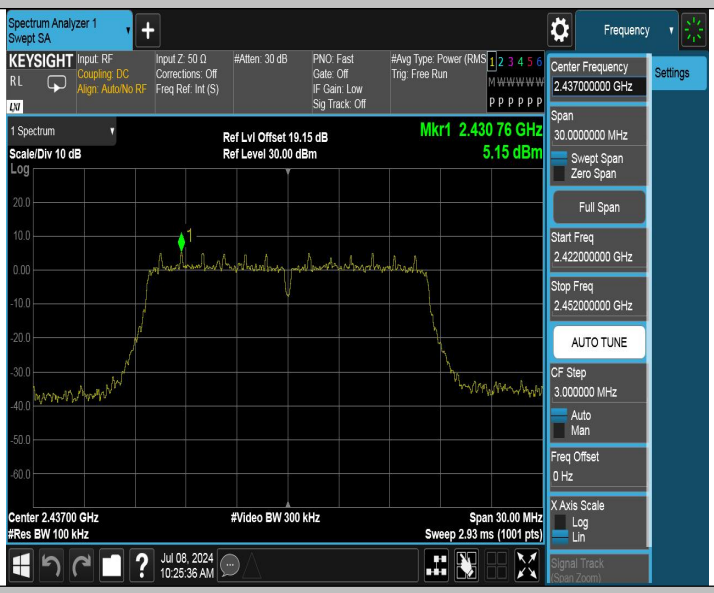

11G_2412_1000~26500


11G_2437_0~Reference

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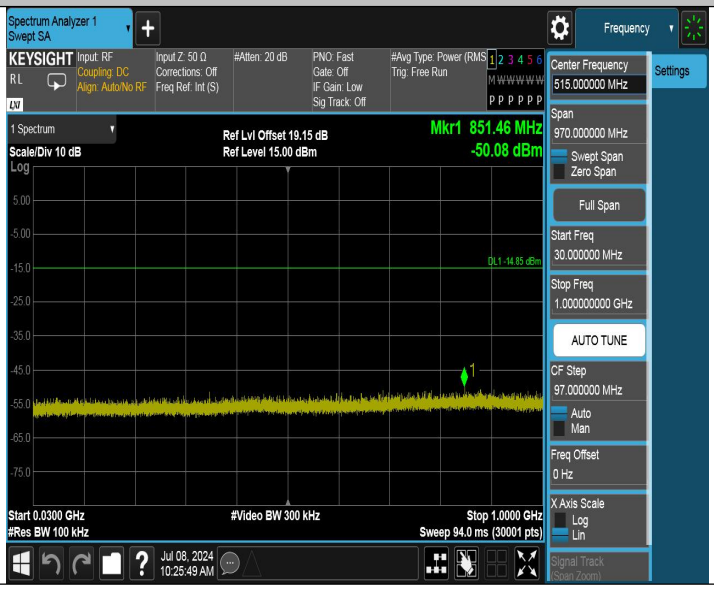
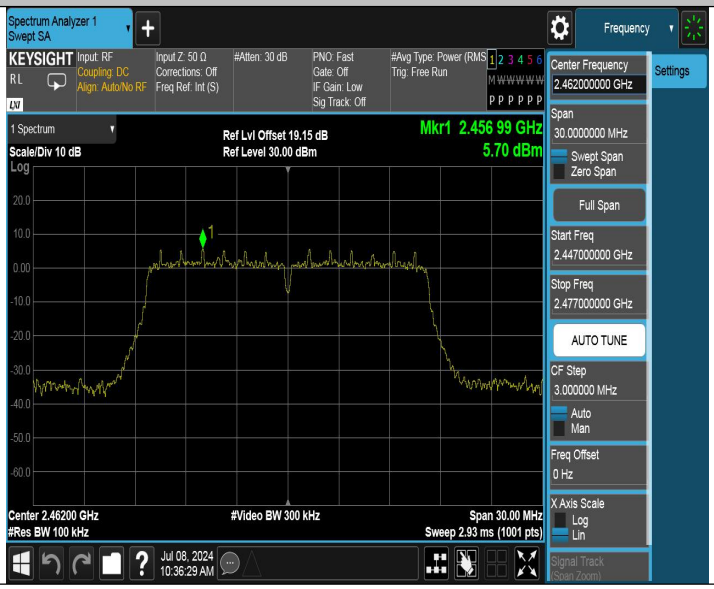


11G_2437_1000~26500

11G_2462_0~Reference


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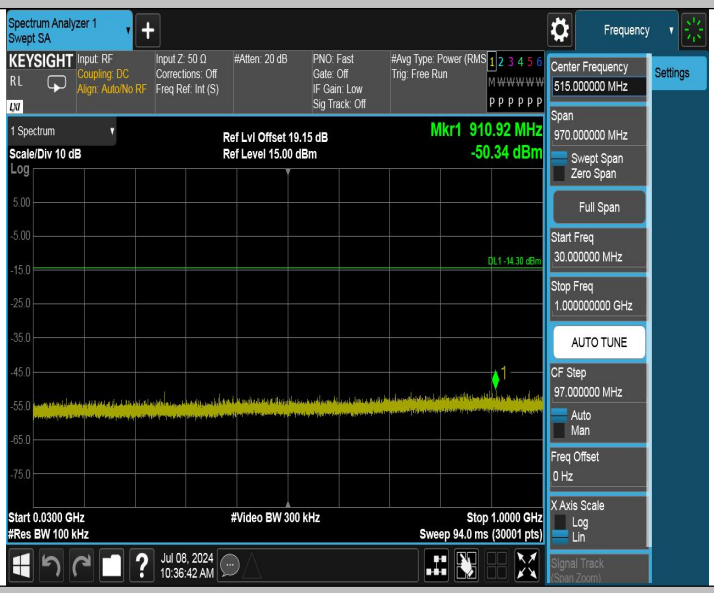
11G_2462_1000~26500


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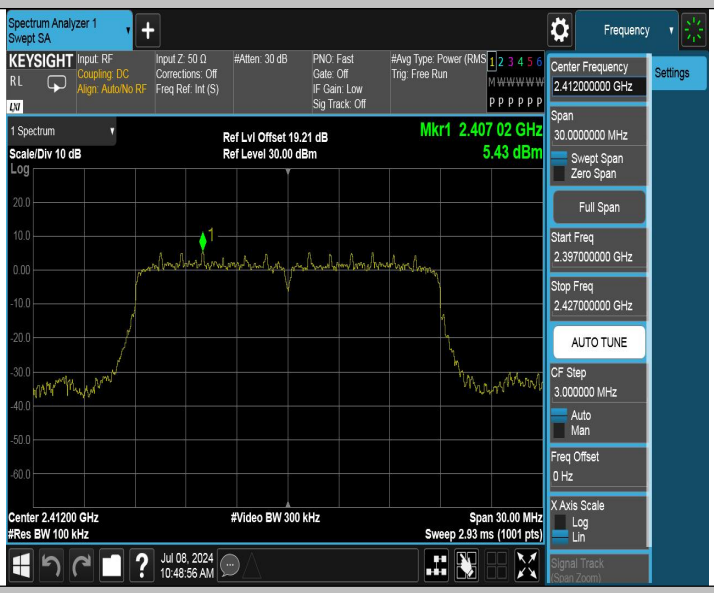
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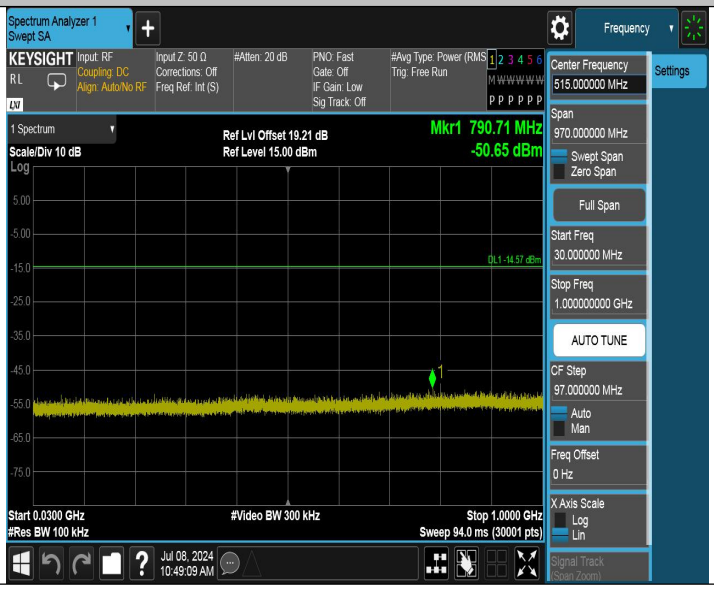

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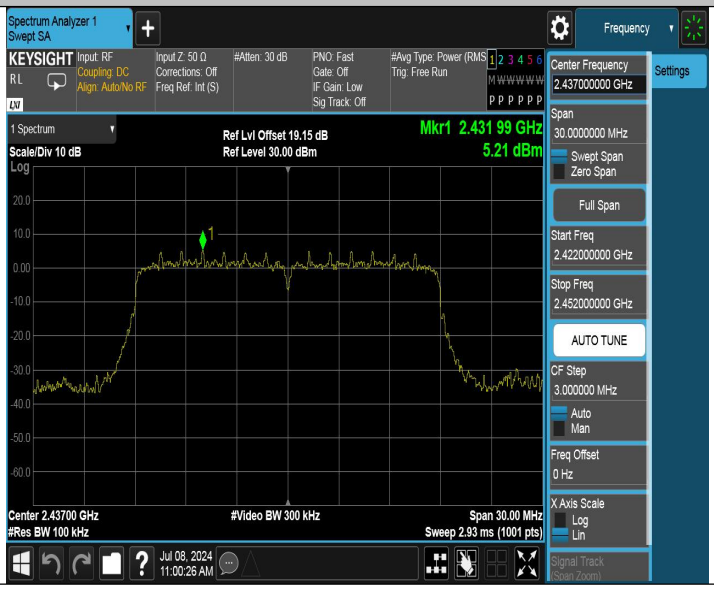

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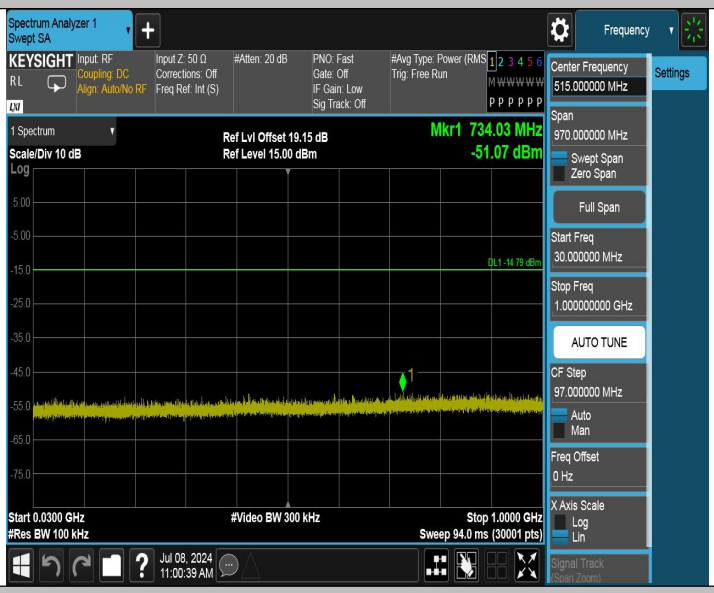
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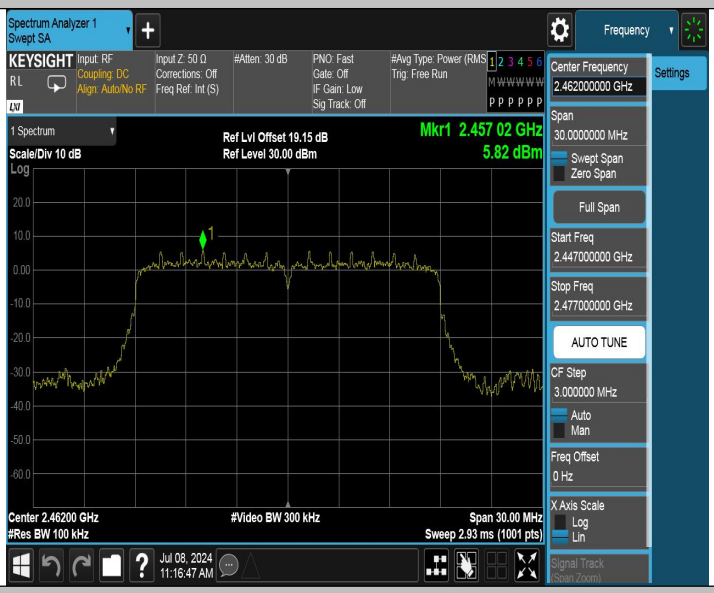
11N20_2462_0~Reference

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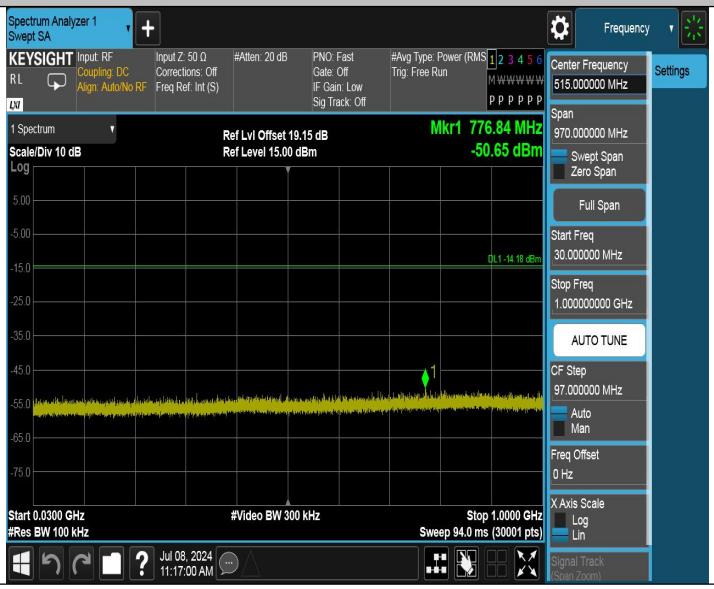
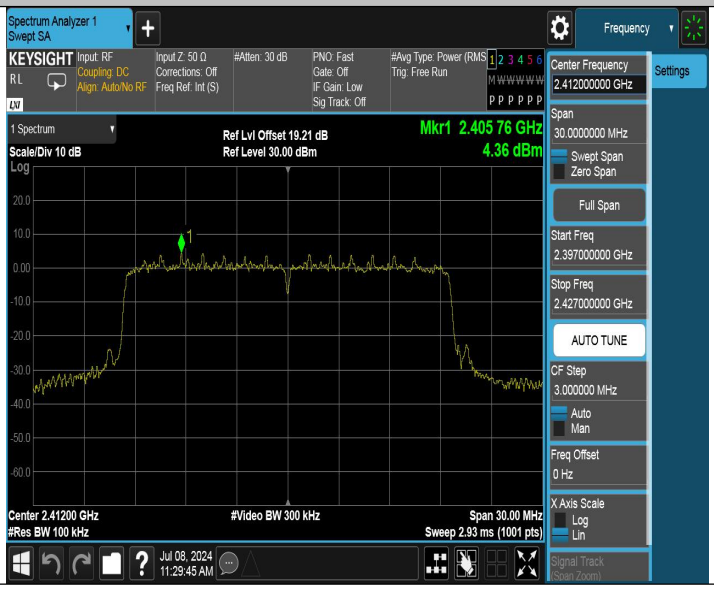


11N20_2462_1000~26500

11AX20_2412_0~Reference


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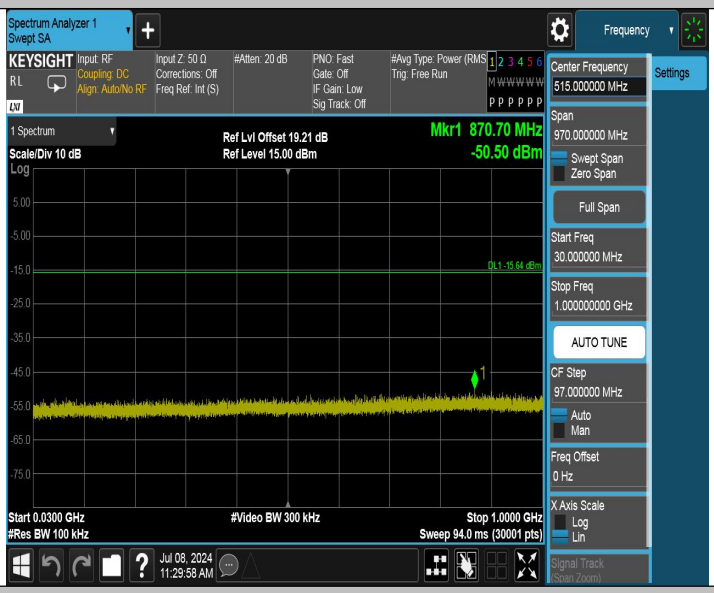
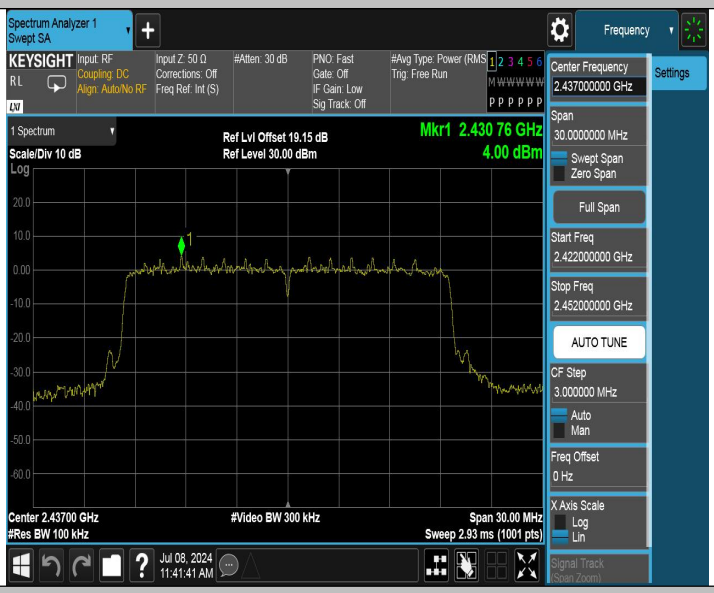
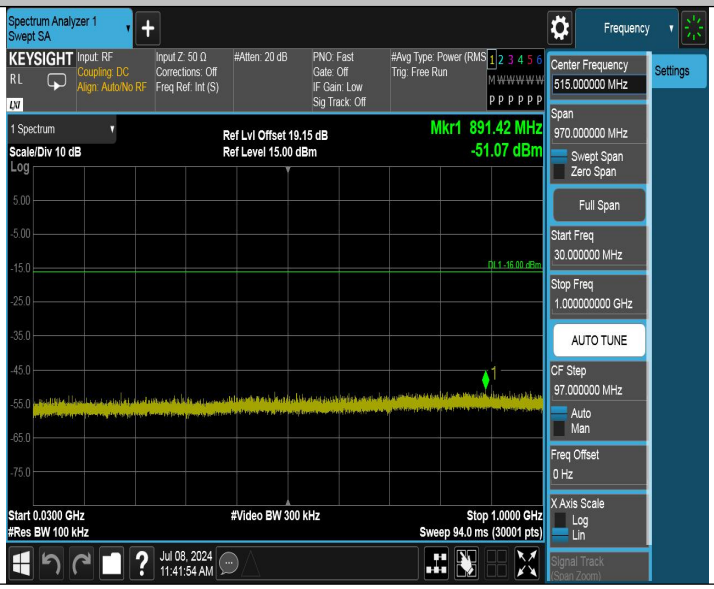
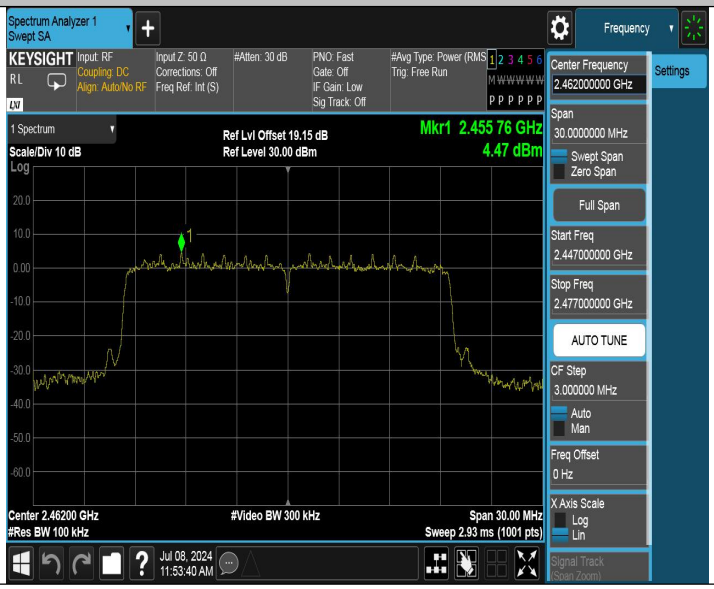
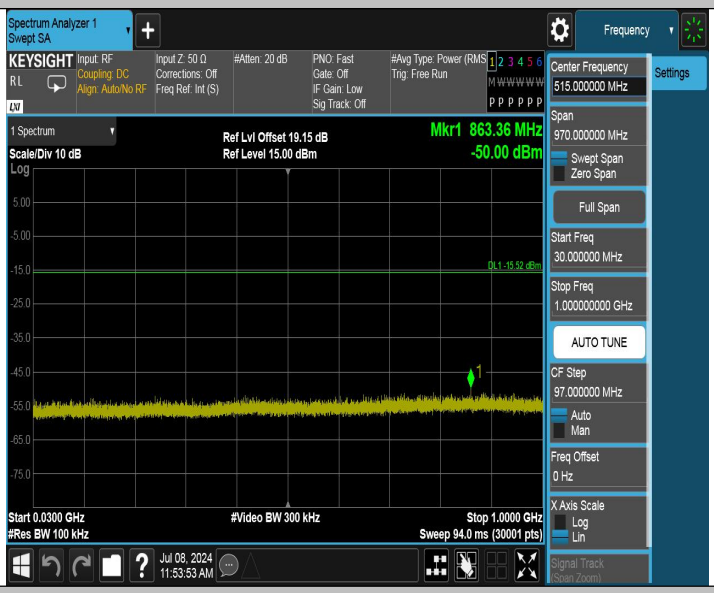

11AX20_2412_1000~26500


11AX20_2437_0~Reference

11AX20_2437_30~1000


11AX20_2437_1000~26500

11AX20_2462_0~Reference


11AX20_2462_30~1000

11AX20_2462_1000~26500


7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.6.2. Test Procedure Used

ANSI C63.10-2013 – Section 6.6.4.3

7.6.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold

7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

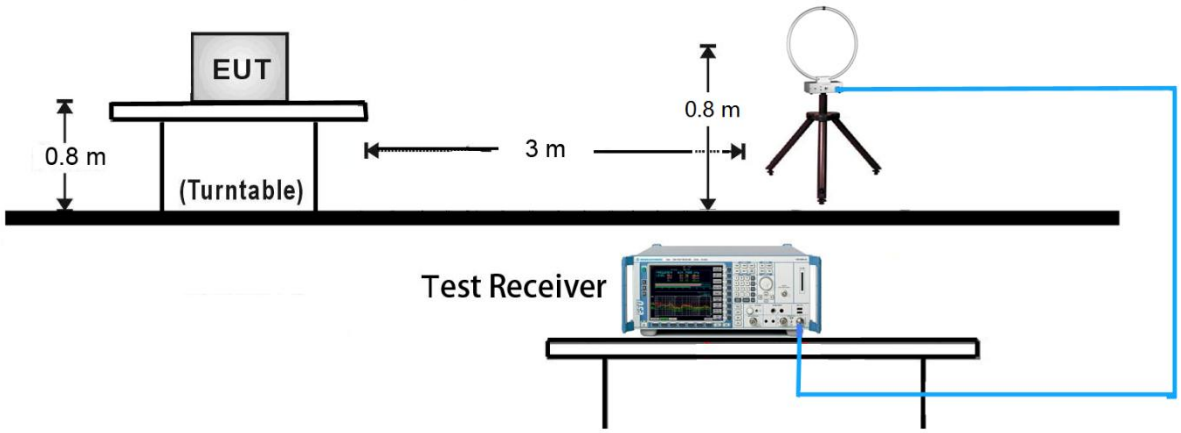
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

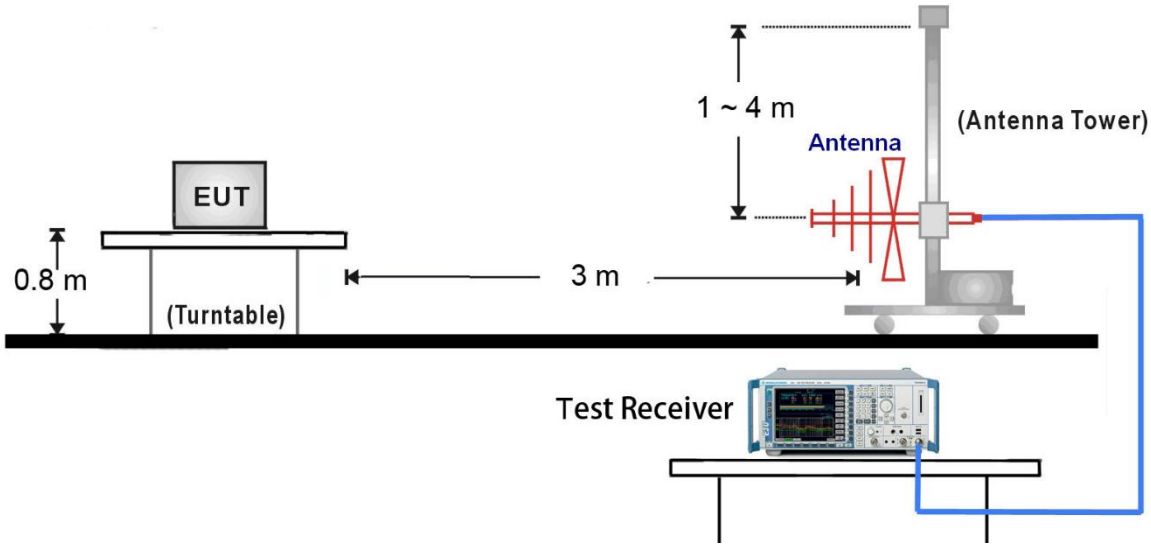
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Power Average (RMS)
5. Number of sweep point = 2001 (Number of sweep points must be ≥ 2 x span / RBW)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

7.6.4. Test Setup

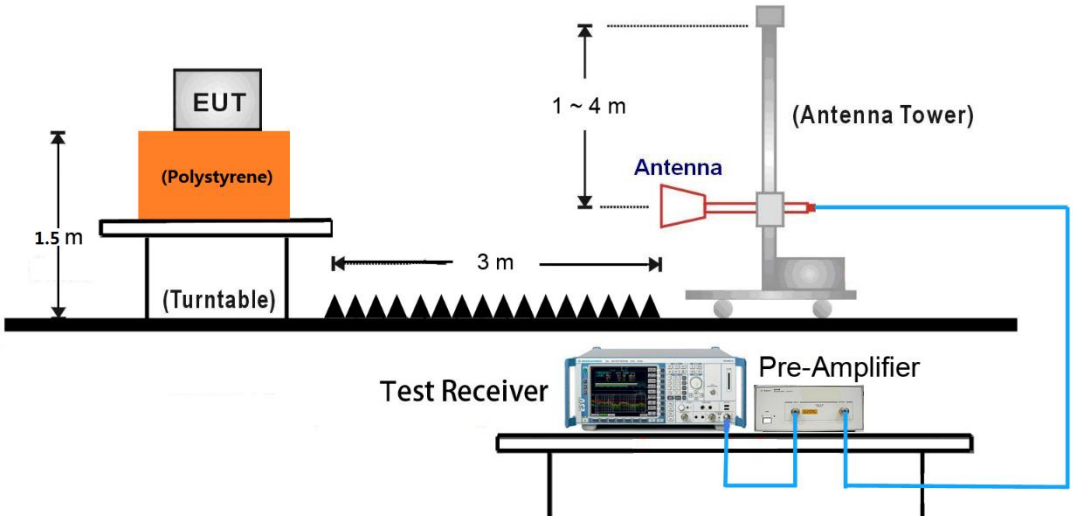
9kHz ~ 30MHz Test Setup:



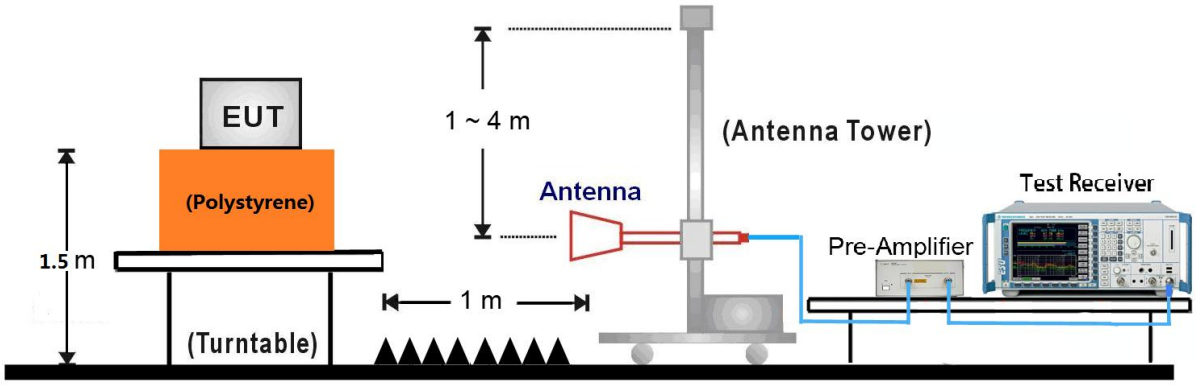
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

Test Mode:	802.11b	Test Date:	2024-07-05
Test Channel:	01-2412MHz	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 3. This is the worst case of Radiated Emission for 1-18GHz.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1116.0000	41.43	-19.04	74.00	32.57	Peak	Horizontal
2097.3333	43.93	-12.71	74.00	30.07	Peak	Horizontal
4820.0000	53.87	-2.00	74.00	20.13	Peak	Horizontal
7235.0000	48.31	0.46	74.00	25.69	Peak	Horizontal
1114.6667	44.55	-17.94	74.00	29.45	Peak	Vertical
1330.6667	43.62	-16.83	74.00	30.38	Peak	Vertical
4820.0000	52.83	-2.52	74.00	21.17	Peak	Vertical
7530.0000	48.00	0.43	74.00	26.00	Peak	Vertical

Test Mode:	802.11b	Test Date:	2024-07-05
Test Channel:	06-2437MHz	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 3. This is the worst case of Radiated Emission for 1-18GHz.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1116.0000	44.17	-19.04	74.00	29.83	Peak	Horizontal
2130.6667	44.30	-12.53	74.00	29.70	Peak	Horizontal
4870.0000	55.65	-1.77	74.00	18.35	Peak	Horizontal
7310.0000	49.70	0.52	74.00	24.30	Peak	Horizontal
1114.6667	47.66	-17.94	74.00	26.34	Peak	Vertical
2213.3333	45.84	-11.87	74.00	28.16	Peak	Vertical
4870.0000	51.84	-2.34	74.00	22.16	Peak	Vertical
7310.0000	49.75	0.50	74.00	24.25	Peak	Vertical