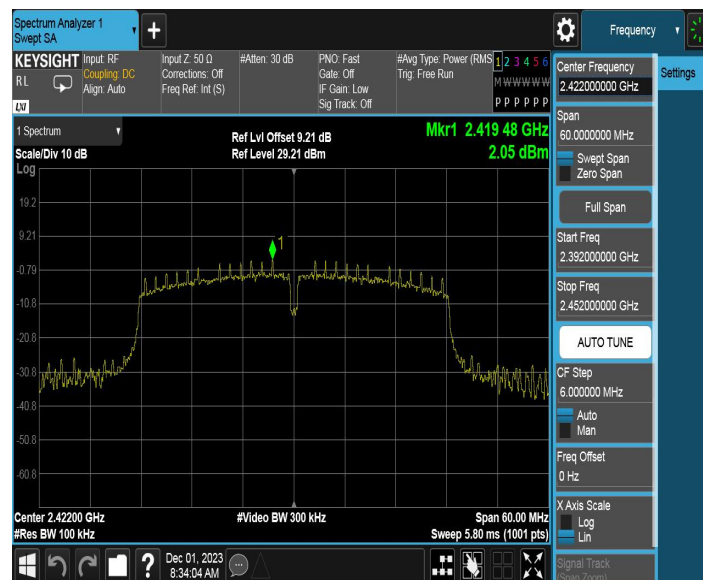
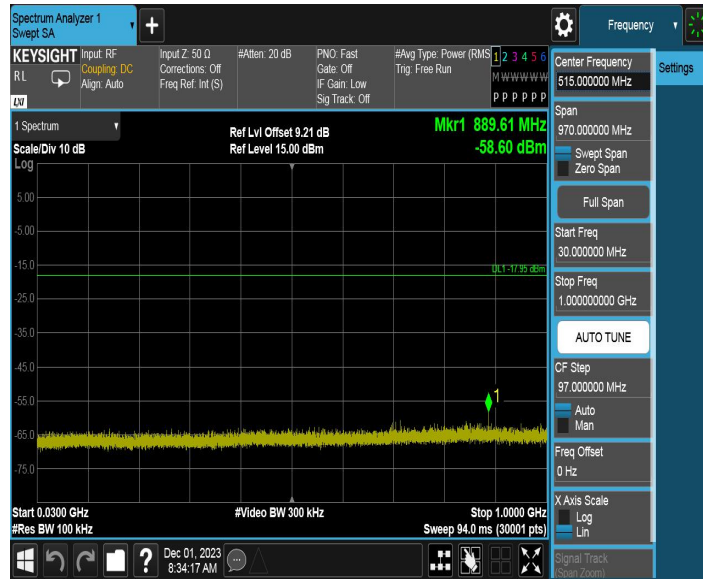




11AX40SISO\_Ant1\_2422\_0~Reference



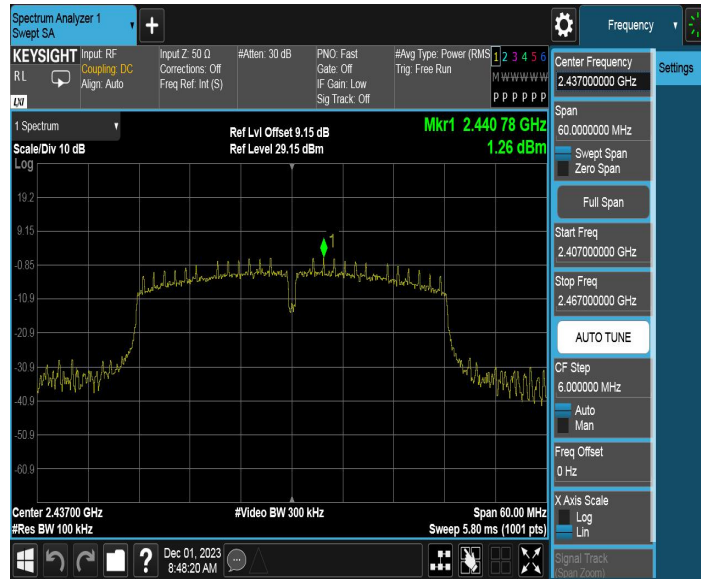
11AX40SISO\_Ant1\_2422\_30~1000



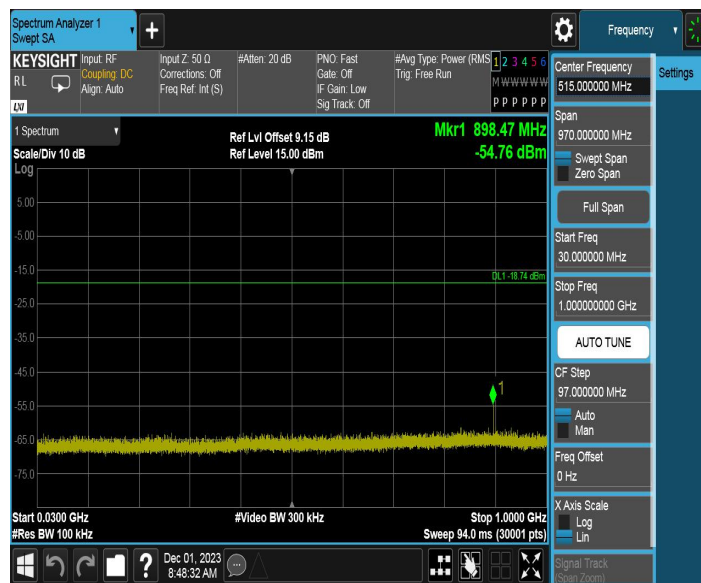
11AX40SISO\_Ant1\_2422\_1000~26500



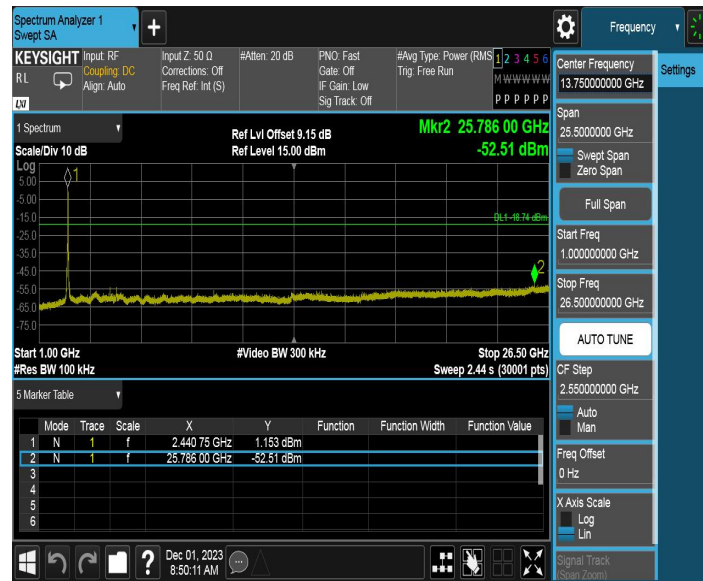
11AX40SISO\_Ant1\_2437\_0~Reference



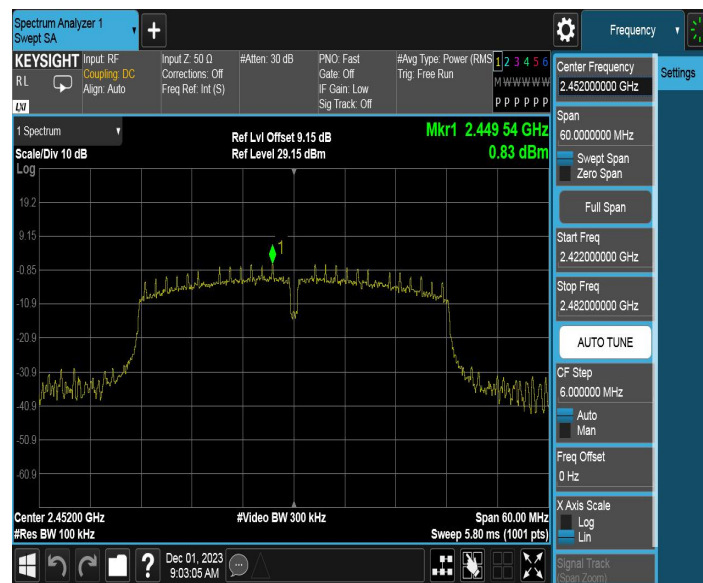
11AX40SISO\_Ant1\_2437\_30~1000



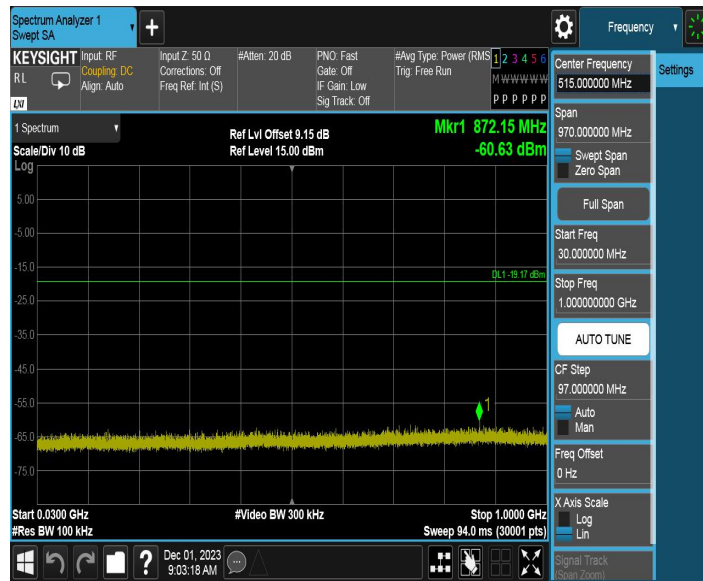
11AX40SISO\_Ant1\_2437\_1000~26500



11AX40SISO\_Ant1\_2452\_0~Reference



11AX40SISO\_Ant1\_2452\_30~1000



### 11AX40SISO\_Ant1\_2452\_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

- Trace was allowed to stabilize

**Table 1 - RBW as a function of frequency**

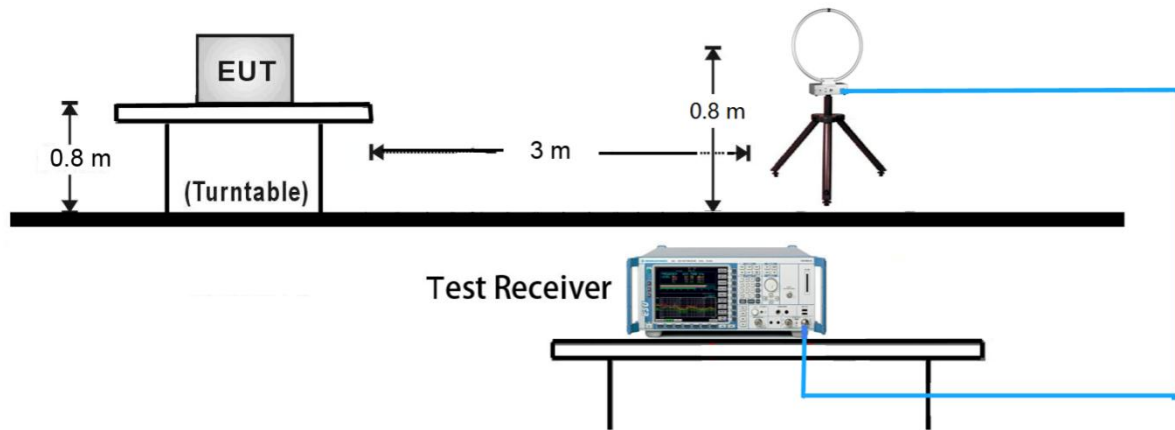
| Frequency     | RBW           |
|---------------|---------------|
| 9 ~ 150 kHz   | 200 ~ 300 Hz  |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz    |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz    | 1 MHz         |

**Average Field Strength Measurements**

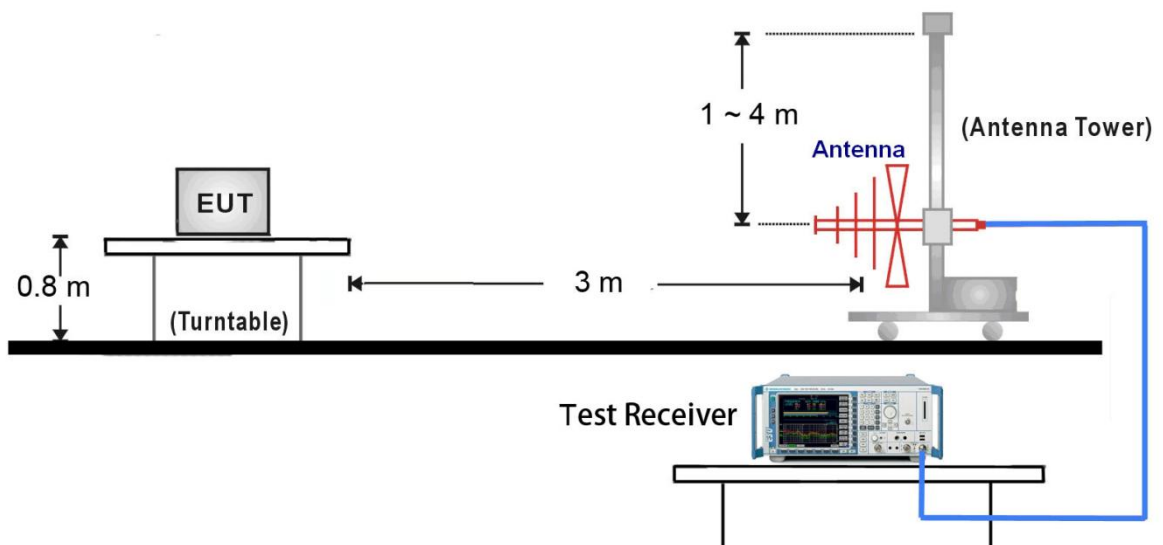
- Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- RBW = 1MHz
- VBW = 3MHz
- Detector = Power Average (RMS)
- Number of sweep point = 2001 (Number of sweep points must be  $\geq 2 \times \text{span} / \text{RBW}$ )
- Sweep time = auto
- Trace (RMS) averaging was performed over at least 100 traces.

#### 7.6.4. Test Setup

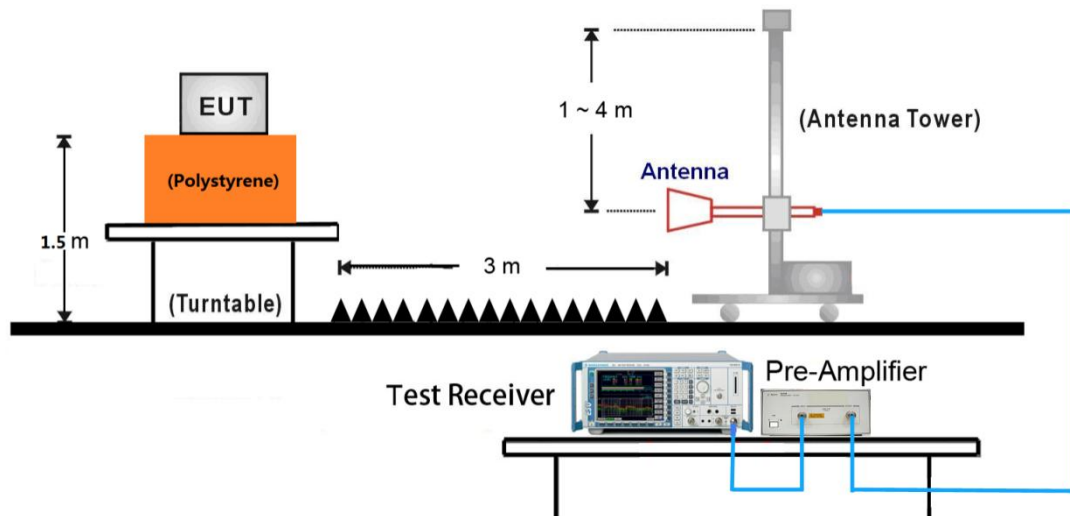
9kHz ~ 30MHz Test Setup:



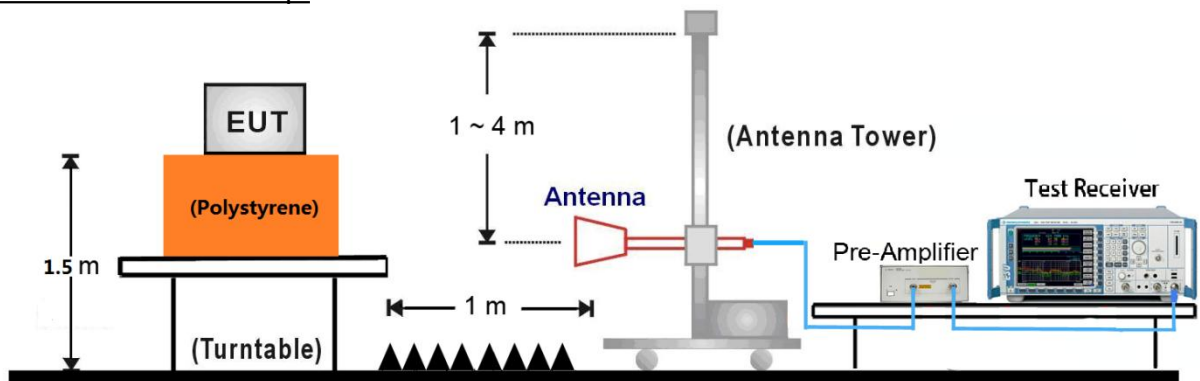
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



### 7.6.5. Test Result

|               |                                                                                                                                                                                                                                                  |                |              |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|
| Test Mode:    | 802.11b                                                                                                                                                                                                                                          | Test Date:     | 2023-11-13   |
| Test Channel: | 2412                                                                                                                                                                                                                                             | Test Engineer: | Guangze Ding |
| Remark:       | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.<br>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 |
|-----------------|----------------|-------------|----------------|-------------|----------|--------------|
| 1605.0000       | 40.37          | -13.06      | 74.00          | 33.63       | Peak     | Horizontal   |
| 1885.5000       | 32.62          | -11.70      | 54.00          | 21.38       | Peak     | Horizontal   |
| 3205.5000       | 43.35          | -6.34       | 74.00          | 30.65       | Peak     | Horizontal   |
| 3431.0000       | 35.74          | -6.04       | 54.00          | 18.26       | Peak     | Horizontal   |
| 5471.5000       | 46.73          | 0.28        | 74.00          | 27.27       | Peak     | Horizontal   |
| 6450.5000       | 42.69          | 3.55        | 54.00          | 11.31       | Peak     | Horizontal   |
| 1951.5000       | 41.83          | -11.39      | 74.00          | 32.17       | Peak     | Vertical     |
| 1962.5000       | 33.59          | -11.34      | 54.00          | 20.41       | Peak     | Vertical     |
| 2589.5000       | 35.87          | -7.70       | 54.00          | 18.13       | Peak     | Vertical     |
| 2694.0000       | 42.99          | -7.48       | 74.00          | 31.01       | Peak     | Vertical     |
| 4822.5000       | 46.38          | -2.21       | 74.00          | 27.62       | Peak     | Vertical     |
| 5818.0000       | 39.88          | 0.98        | 54.00          | 14.12       | Peak     | Vertical     |