

|                                                        |                                          |
|--------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>CTA24111401803</u>                |                                          |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>52</u> %RH, |                                          |
| <b>Test Date:</b> <u>2024.9.13</u>                     | <b>Test Engineer:</b> <u>Lushan Kong</u> |

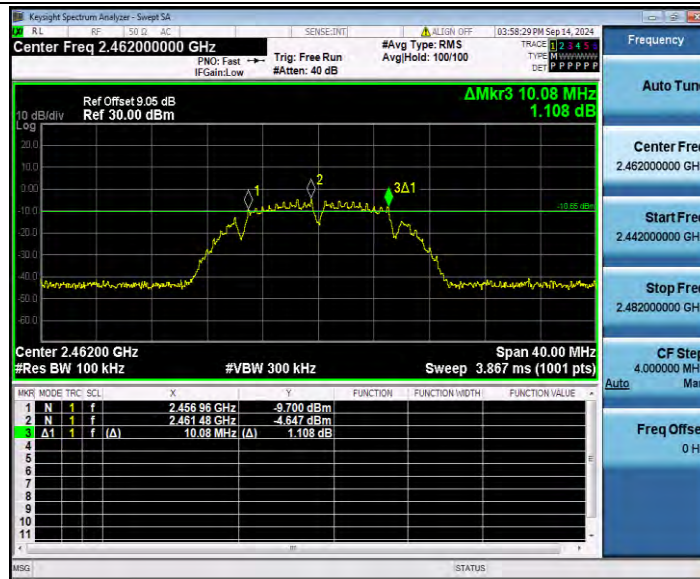
## Appendix C.1: DTS Bandwidth

### Test Result

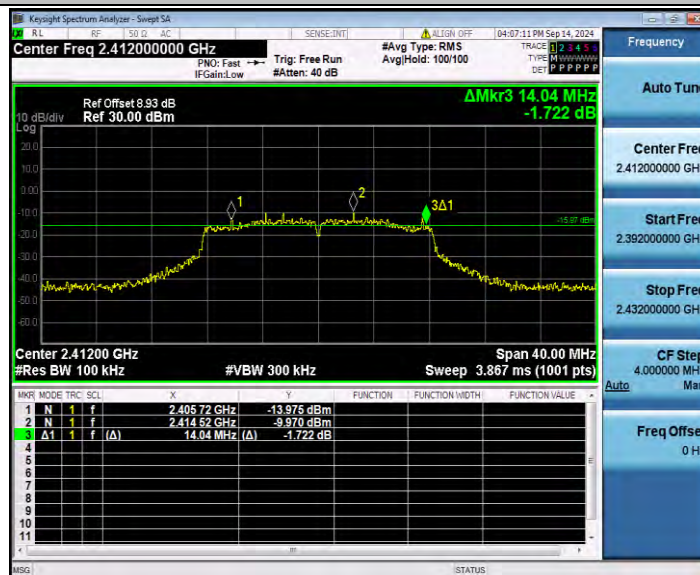
| TestMode   | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B        | Ant2    | 2412           | 10.080       | 2406.960 | 2417.040 | 0.5        | PASS    |
|            |         | 2437           | 10.040       | 2431.960 | 2442.000 | 0.5        | PASS    |
|            |         | 2462           | 10.080       | 2456.960 | 2467.040 | 0.5        | PASS    |
| 11G        | Ant2    | 2412           | 14.040       | 2405.720 | 2419.760 | 0.5        | PASS    |
|            |         | 2437           | 13.880       | 2430.680 | 2444.560 | 0.5        | PASS    |
|            |         | 2462           | 12.200       | 2455.680 | 2467.880 | 0.5        | PASS    |
| 11N20SISO  | Ant2    | 2412           | 12.880       | 2404.440 | 2417.320 | 0.5        | PASS    |
|            |         | 2437           | 12.920       | 2429.200 | 2442.120 | 0.5        | PASS    |
|            |         | 2462           | 17.520       | 2453.240 | 2470.760 | 0.5        | PASS    |
| 11N40SISO  | Ant2    | 2422           | 32.560       | 2406.960 | 2439.520 | 0.5        | PASS    |
|            |         | 2437           | 32.720       | 2421.800 | 2454.520 | 0.5        | PASS    |
|            |         | 2452           | 29.600       | 2435.760 | 2465.360 | 0.5        | PASS    |
| 11AX20SISO | Ant2    | 2412           | 18.680       | 2402.720 | 2421.400 | 0.5        | PASS    |
|            |         | 2437           | 18.760       | 2427.680 | 2446.440 | 0.5        | PASS    |
|            |         | 2462           | 18.800       | 2452.680 | 2471.480 | 0.5        | PASS    |
| 11AX40SISO | Ant2    | 2422           | 37.280       | 2403.680 | 2440.960 | 0.5        | PASS    |
|            |         | 2437           | 34.640       | 2420.680 | 2455.320 | 0.5        | PASS    |
|            |         | 2452           | 35.600       | 2434.640 | 2470.240 | 0.5        | PASS    |

Test Graphs

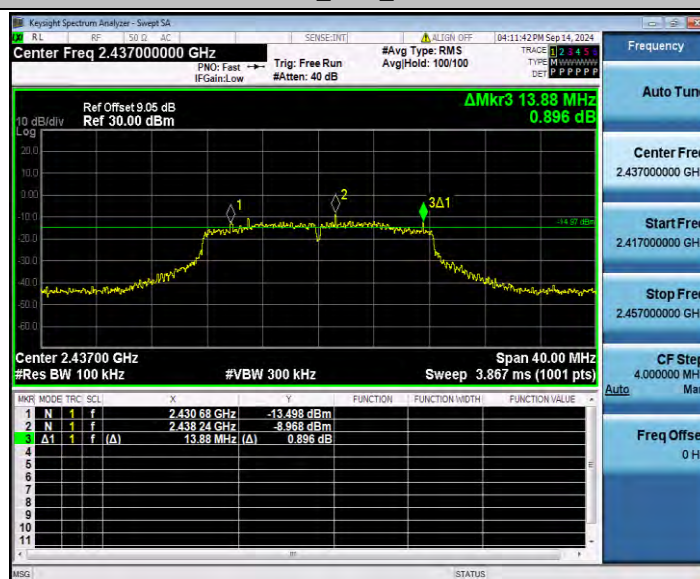


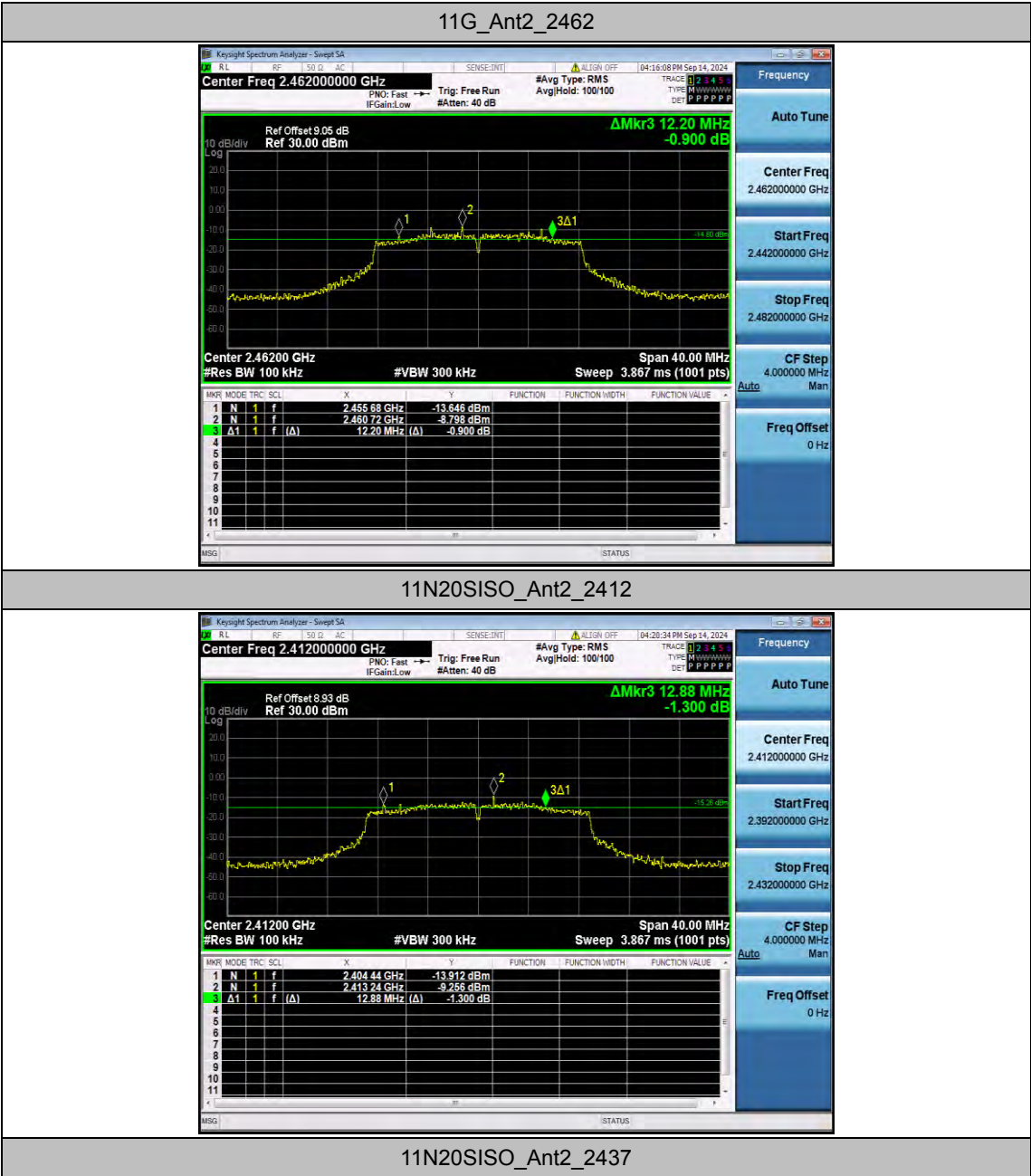


11G\_Ant2\_2412



11G\_Ant2\_2437



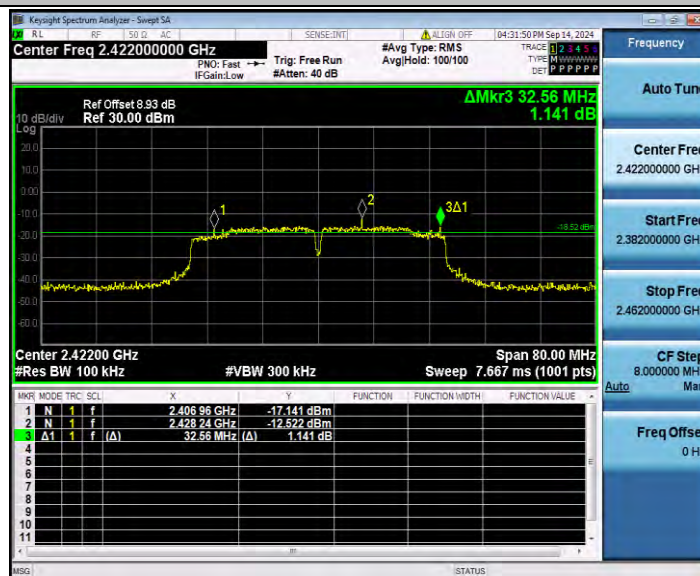




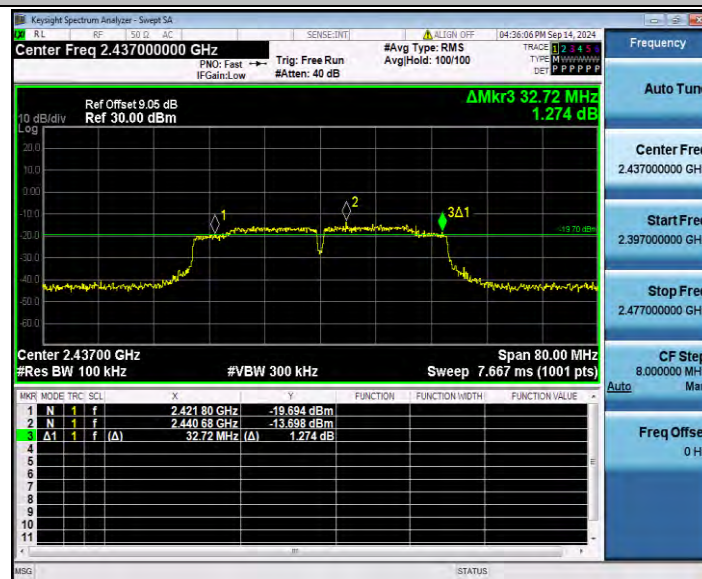
11N20SISO\_Ant2\_2462



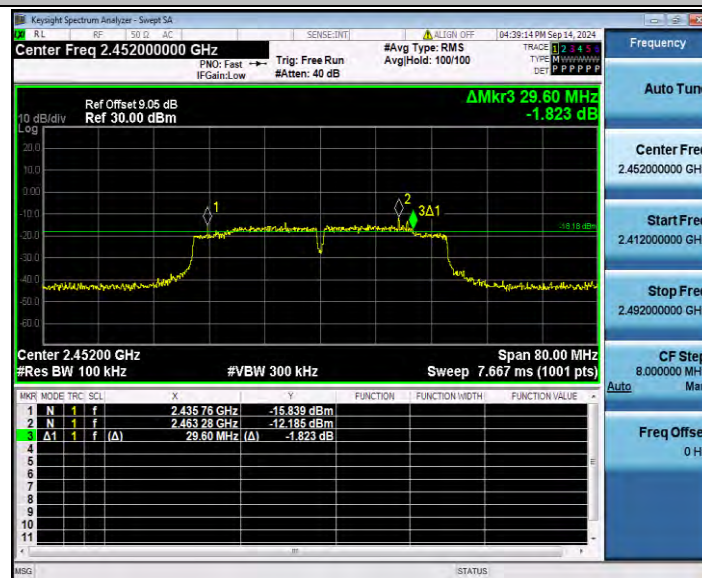
11N40SISO\_Ant2\_2422



## 11N40SISO\_Ant2\_2437



## 11N40SISO\_Ant2\_2452



## 11AX20SISO\_Ant2\_2412



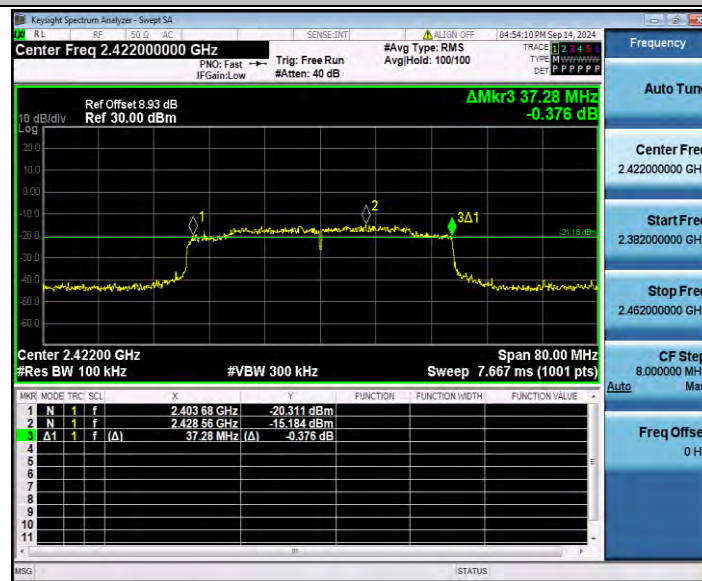
11AX20SISO\_Ant2\_2437



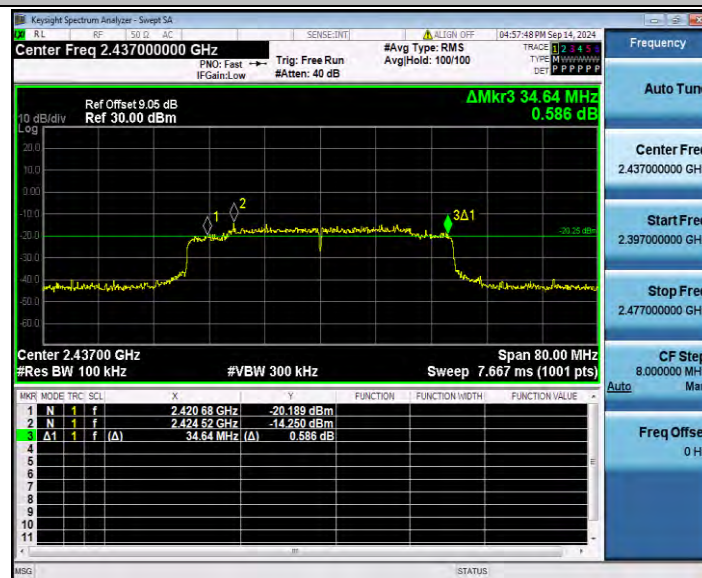
11AX20SISO\_Ant2\_2462



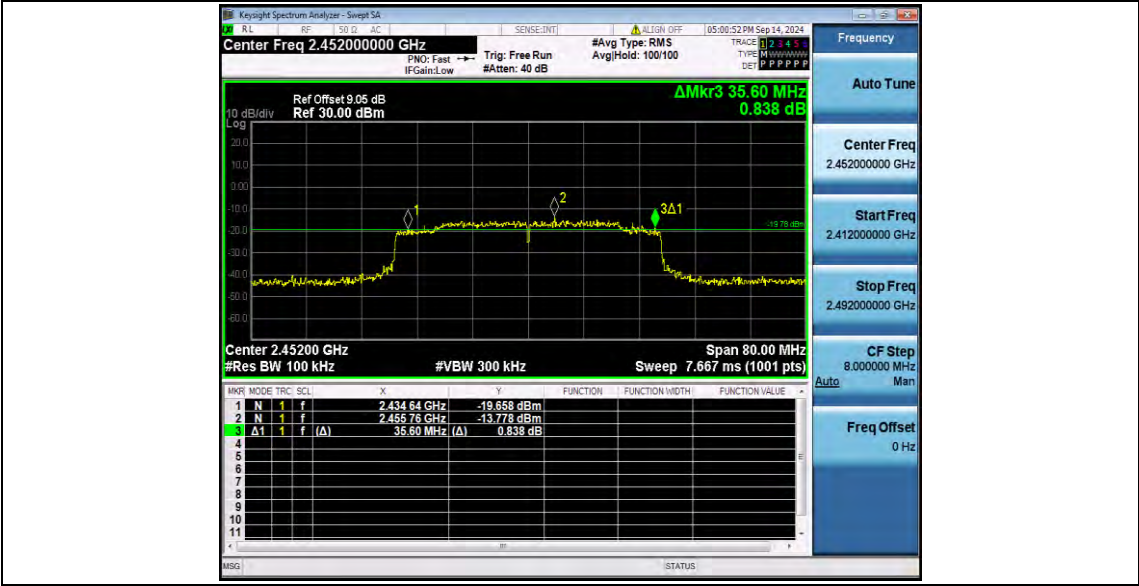
## 11AX40SISO\_Ant2\_2422



## 11AX40SISO\_Ant2\_2437



## 11AX40SISO\_Ant2\_2452



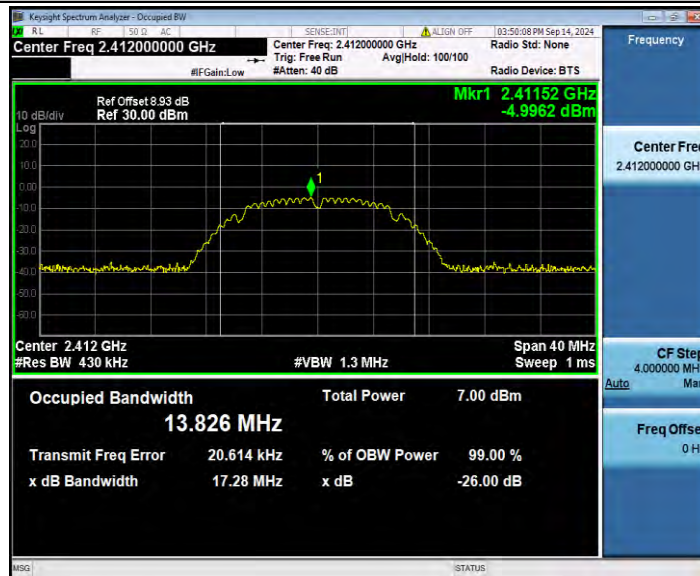
## Appendix C.2: Occupied Channel Bandwidth

### Test Result

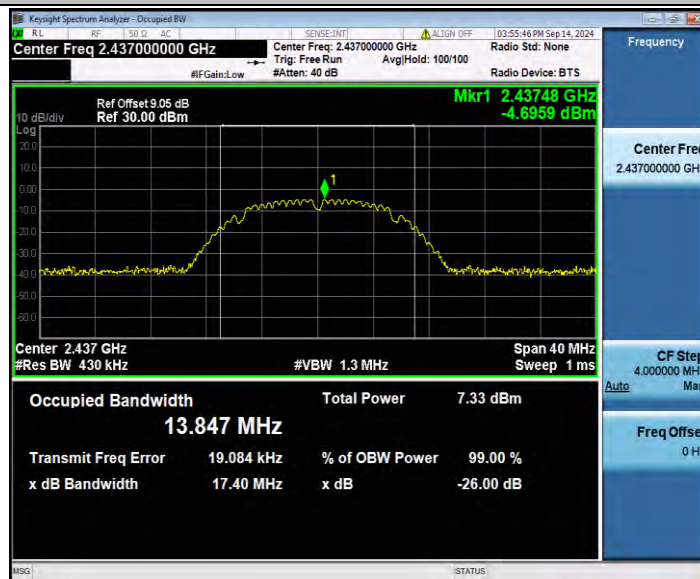
| TestMode   | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|------------------------|-----------|-----------|-----------|------------|---------|
| 11B        | Ant2    | 2412                   | 13.826    | 2405.1076 | 2418.9336 | ---        | ---     |
|            |         | 2437                   | 13.847    | 2430.0956 | 2443.9426 | ---        | ---     |
|            |         | 2462                   | 13.791    | 2455.1343 | 2468.9253 | ---        | ---     |
| 11G        | Ant2    | 2412                   | 17.006    | 2403.5908 | 2420.5968 | ---        | ---     |
|            |         | 2437                   | 17.054    | 2428.5042 | 2445.5582 | ---        | ---     |
|            |         | 2462                   | 16.964    | 2453.5641 | 2470.5281 | ---        | ---     |
| 11N20SISO  | Ant2    | 2412                   | 18.035    | 2403.0163 | 2421.0513 | ---        | ---     |
|            |         | 2437                   | 18.001    | 2428.0057 | 2446.0067 | ---        | ---     |
|            |         | 2462                   | 18.045    | 2453.0325 | 2471.0775 | ---        | ---     |
| 11N40SISO  | Ant2    | 2422                   | 36.276    | 2403.9635 | 2440.2395 | ---        | ---     |
|            |         | 2437                   | 36.366    | 2418.9158 | 2455.2818 | ---        | ---     |
|            |         | 2452                   | 36.311    | 2433.8856 | 2470.1966 | ---        | ---     |
| 11AX20SISO | Ant2    | 2412                   | 19.043    | 2402.4886 | 2421.5316 | ---        | ---     |
|            |         | 2437                   | 19.046    | 2427.4771 | 2446.5231 | ---        | ---     |
|            |         | 2462                   | 19.002    | 2452.5058 | 2471.5078 | ---        | ---     |
| 11AX40SISO | Ant2    | 2422                   | 37.757    | 2403.2202 | 2440.9772 | ---        | ---     |
|            |         | 2437                   | 37.677    | 2418.3104 | 2455.9874 | ---        | ---     |
|            |         | 2452                   | 37.718    | 2433.1126 | 2470.8306 | ---        | ---     |

## Test Graphs

11B\_Ant2\_2412



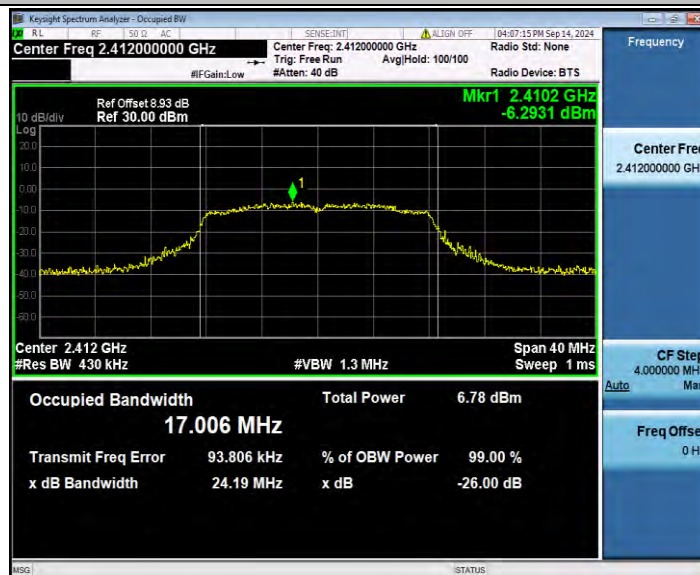
11B\_Ant2\_2437



11B\_Ant2\_2462



11G\_Ant2\_2412



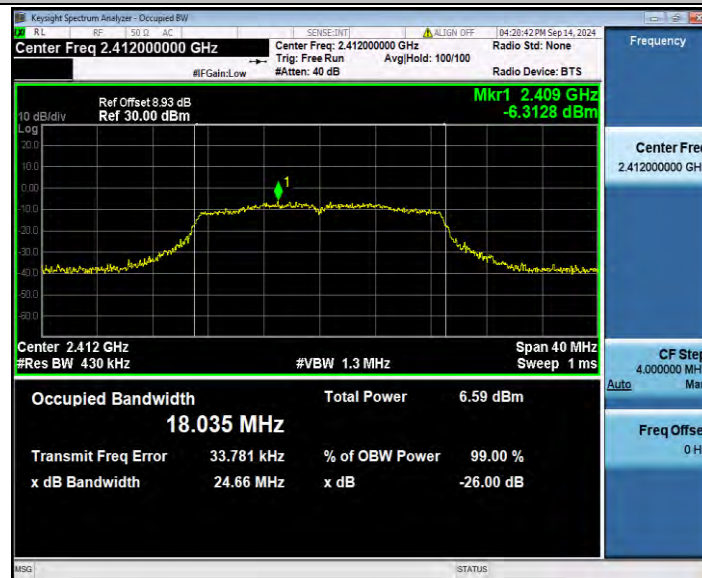
11G\_Ant2\_2437



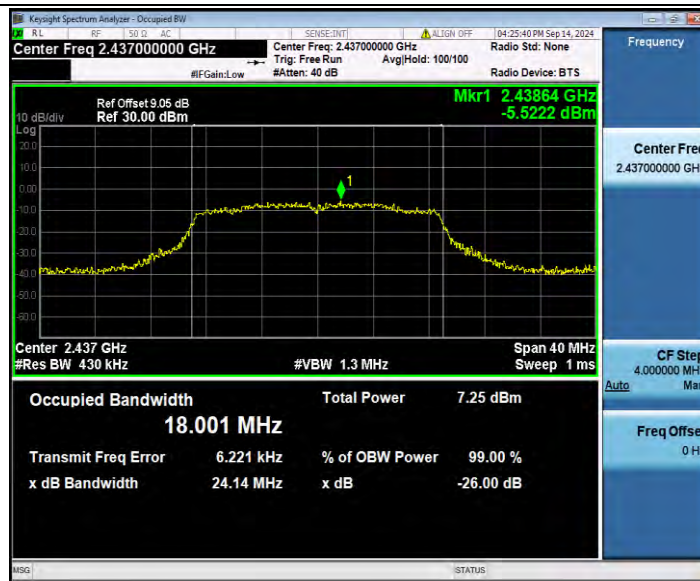
## 11G\_Ant2\_2462



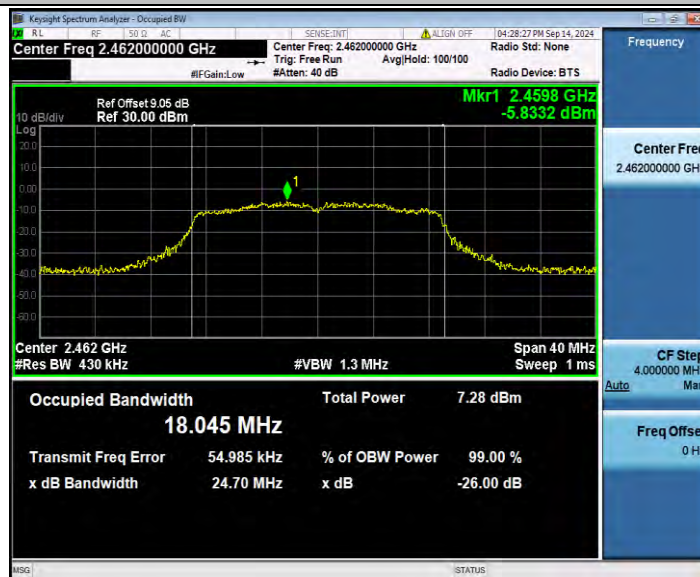
## 11N20SISO\_Ant2\_2412



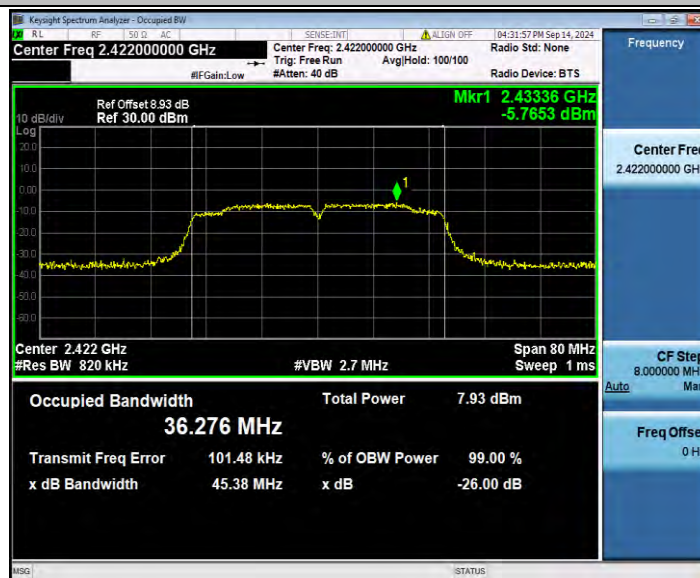
## 11N20SISO\_Ant2\_2437



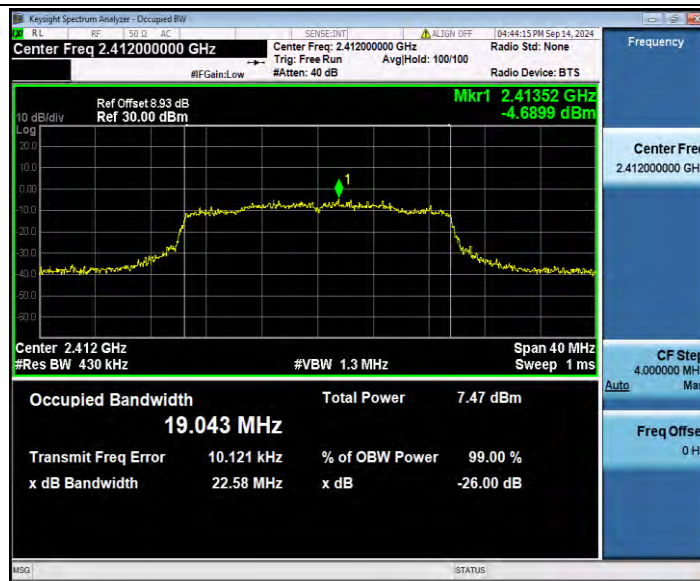
11N20SISO\_Ant2\_2462



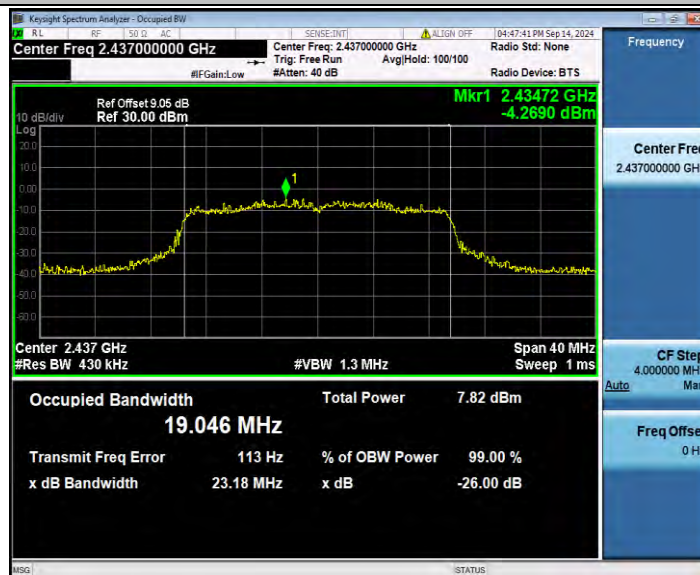
11N40SISO\_Ant2\_2422



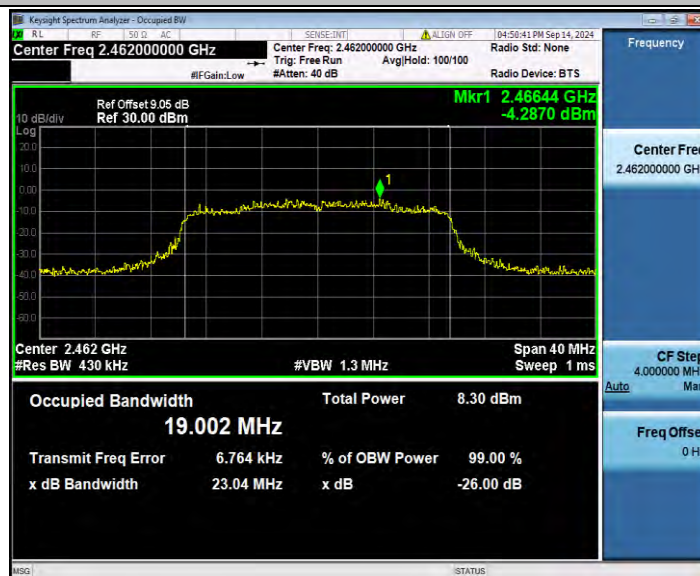




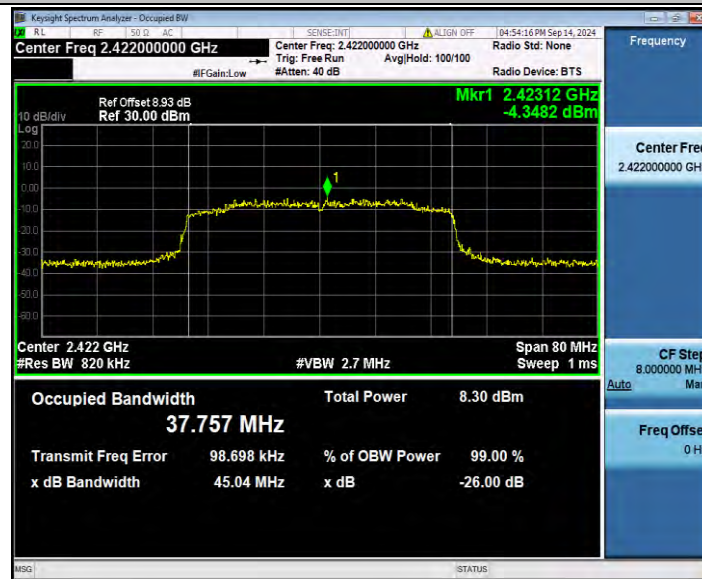
11AX20SISO\_Ant2\_2437



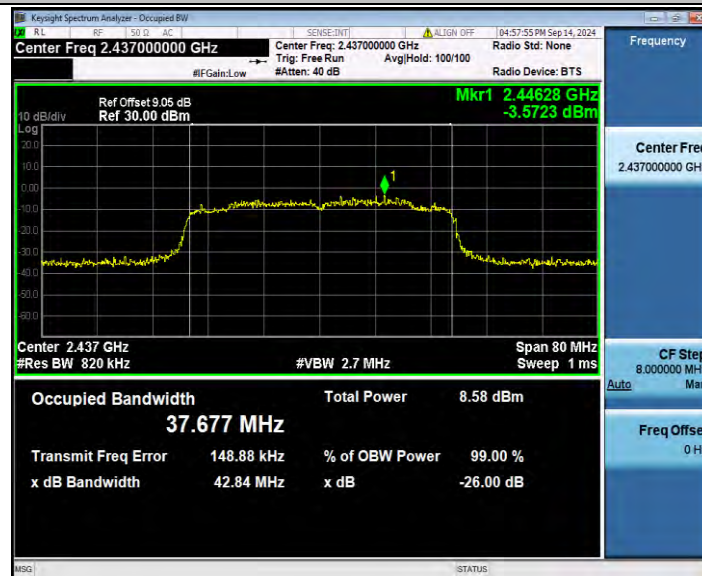
11AX20SISO\_Ant2\_2462



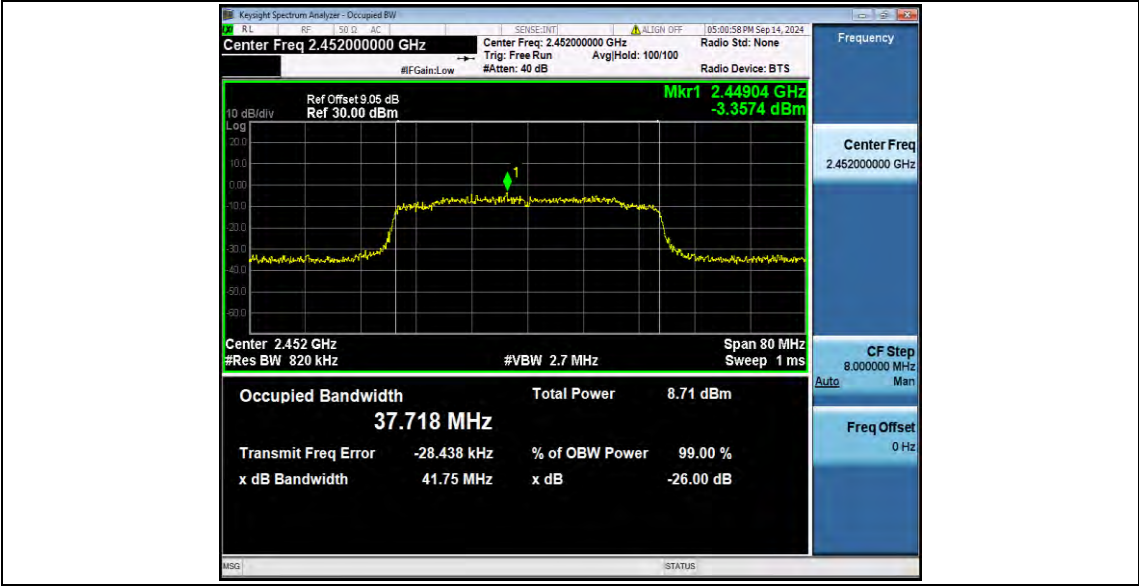
## 11AX40SISO\_Ant2\_2422



## 11AX40SISO\_Ant2\_2437



## 11AX40SISO\_Ant2\_2452



## Appendix C.3: Maximum conducted output power

### Test Result -CHP

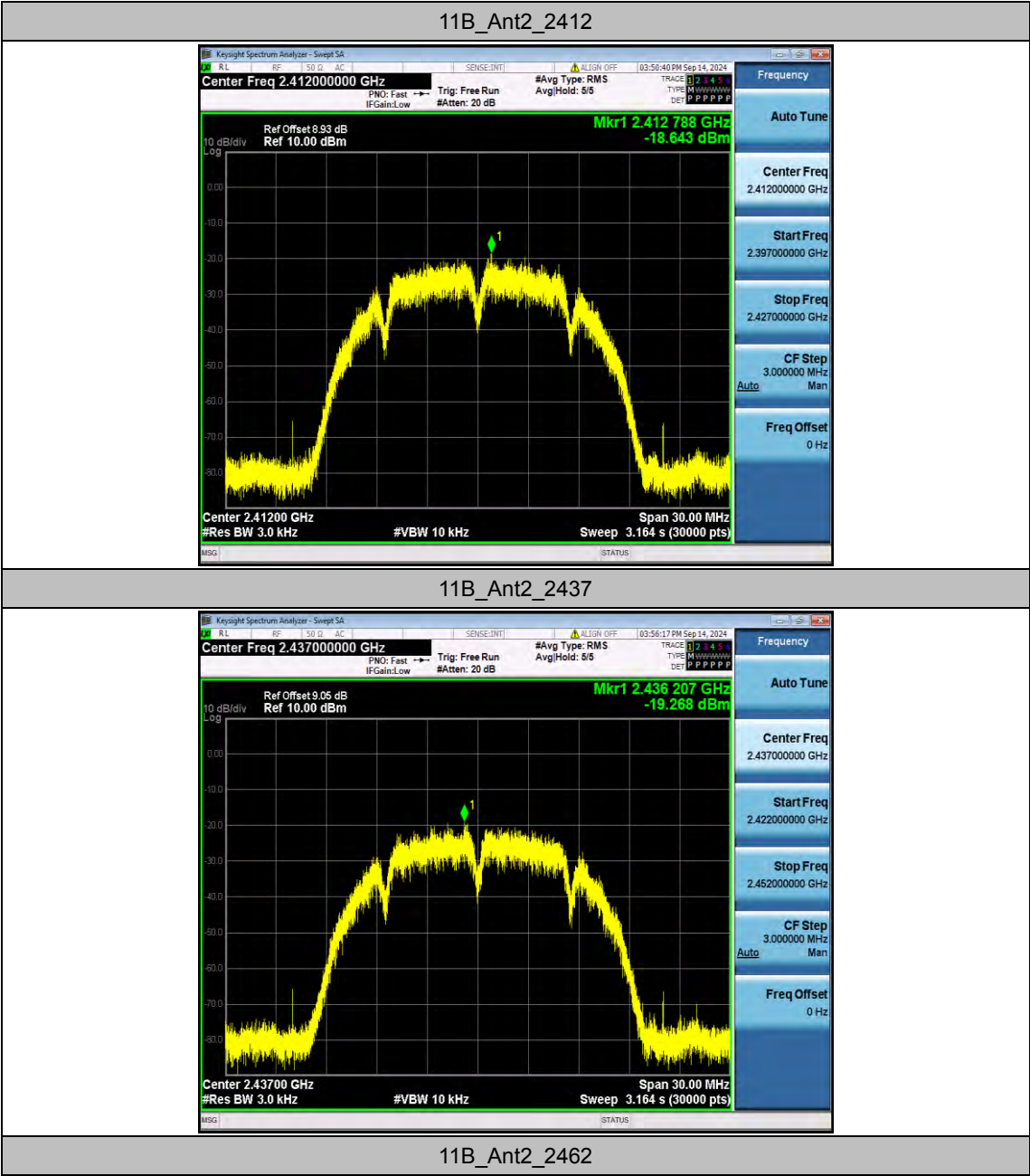
| Test Mode  | Antenna | Frequency[MHz] | Peak power [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|------------------|-------------|---------|
| 11B        | Ant2    | 2412           | 7.14             | ≤30.00      | PASS    |
|            |         | 2437           | 7.40             | ≤30.00      | PASS    |
|            |         | 2462           | 7.66             | ≤30.00      | PASS    |
| 11G        | Ant2    | 2412           | 7.75             | ≤30.00      | PASS    |
|            |         | 2437           | 8.18             | ≤30.00      | PASS    |
|            |         | 2462           | 8.38             | ≤30.00      | PASS    |
| 11N20SISO  | Ant2    | 2412           | 7.76             | ≤30.00      | PASS    |
|            |         | 2437           | 8.07             | ≤30.00      | PASS    |
|            |         | 2462           | 8.35             | ≤30.00      | PASS    |
| 11N40SISO  | Ant2    | 2422           | 8.17             | ≤30.00      | PASS    |
|            |         | 2437           | 8.22             | ≤30.00      | PASS    |
|            |         | 2452           | 8.67             | ≤30.00      | PASS    |
| 11AX20SISO | Ant2    | 2412           | 8.12             | ≤30.00      | PASS    |
|            |         | 2437           | 8.47             | ≤30.00      | PASS    |
|            |         | 2462           | 8.91             | ≤30.00      | PASS    |
| 11AX40SISO | Ant2    | 2422           | 8.30             | ≤30.00      | PASS    |
|            |         | 2437           | 8.47             | ≤30.00      | PASS    |
|            |         | 2452           | 8.57             | ≤30.00      | PASS    |

## Appendix C.4: Maximum power spectral density

### Test Result

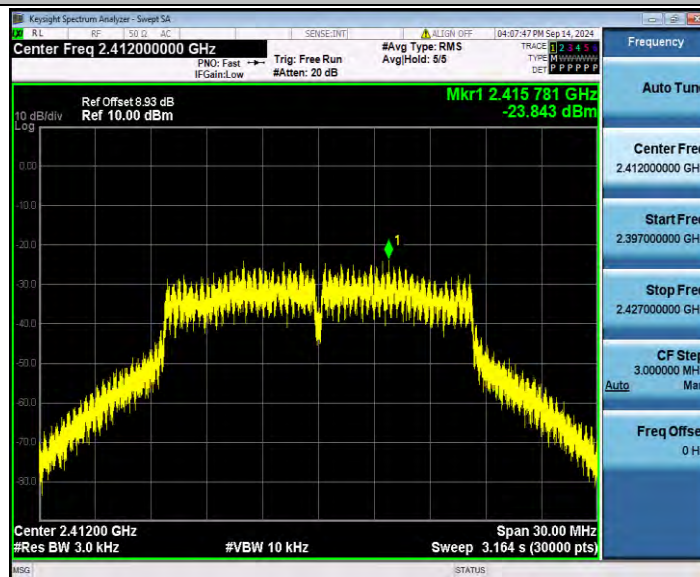
| TestMode   | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|------------|---------|----------------|----------------------|-----------------|---------|
| 11B        | Ant2    | 2412           | -18.64               | ≤8.00           | PASS    |
|            |         | 2437           | -19.27               | ≤8.00           | PASS    |
|            |         | 2462           | -19.33               | ≤8.00           | PASS    |
| 11G        | Ant2    | 2412           | -23.84               | ≤8.00           | PASS    |
|            |         | 2437           | -23.03               | ≤8.00           | PASS    |
|            |         | 2462           | -23.81               | ≤8.00           | PASS    |
| 11N20SISO  | Ant2    | 2412           | -23.62               | ≤8.00           | PASS    |
|            |         | 2437           | -23.74               | ≤8.00           | PASS    |
|            |         | 2462           | -21.64               | ≤8.00           | PASS    |
| 11N40SISO  | Ant2    | 2422           | -27.25               | ≤8.00           | PASS    |
|            |         | 2437           | -26.71               | ≤8.00           | PASS    |
|            |         | 2452           | -26.74               | ≤8.00           | PASS    |
| 11AX20SISO | Ant2    | 2412           | -25.13               | ≤8.00           | PASS    |
|            |         | 2437           | -24.87               | ≤8.00           | PASS    |
|            |         | 2462           | -24.48               | ≤8.00           | PASS    |
| 11AX40SISO | Ant2    | 2422           | -27.54               | ≤8.00           | PASS    |
|            |         | 2437           | -27.58               | ≤8.00           | PASS    |
|            |         | 2452           | -27.97               | ≤8.00           | PASS    |

Test Graphs

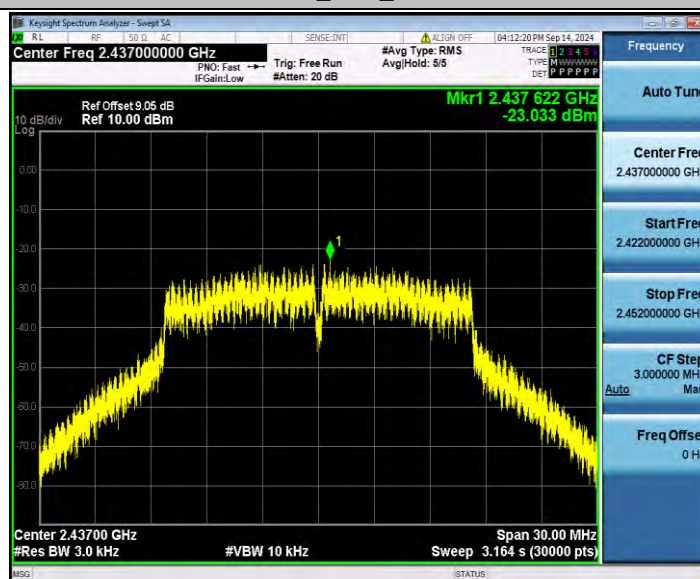




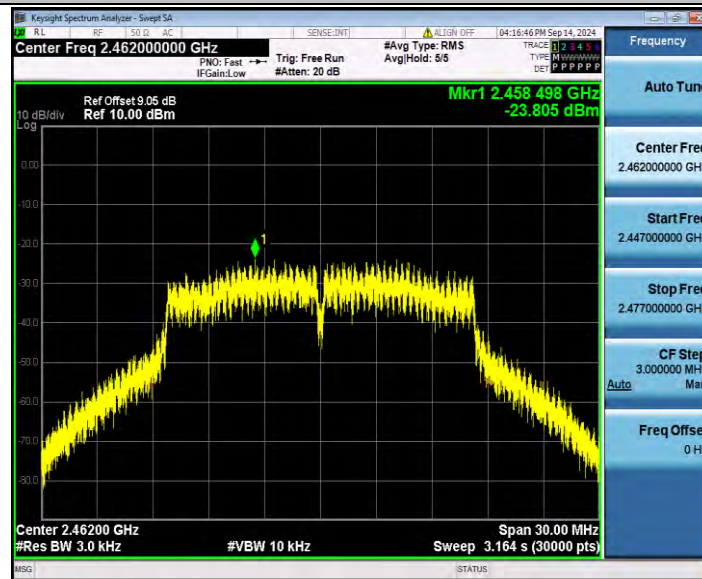
11G\_Ant2\_2412



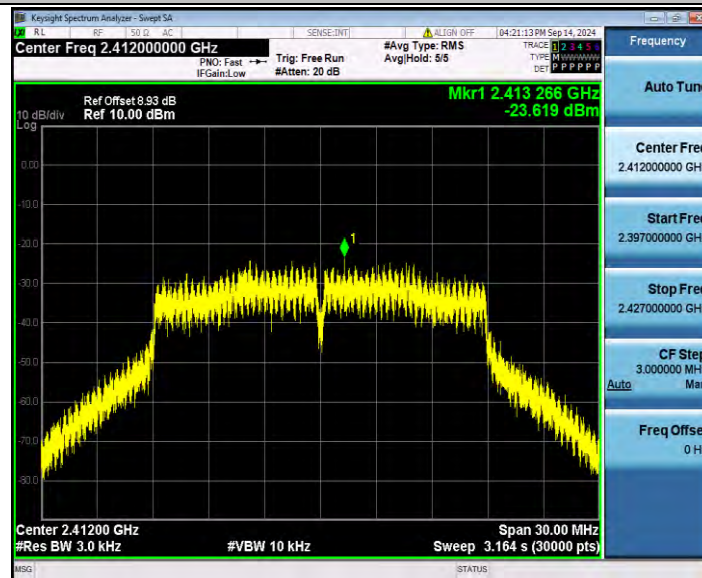
11G\_Ant2\_2437



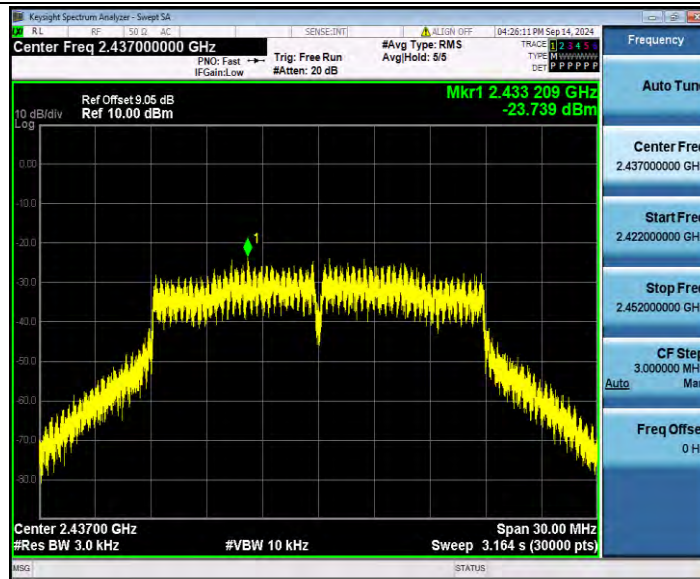
## 11G\_Ant2\_2462



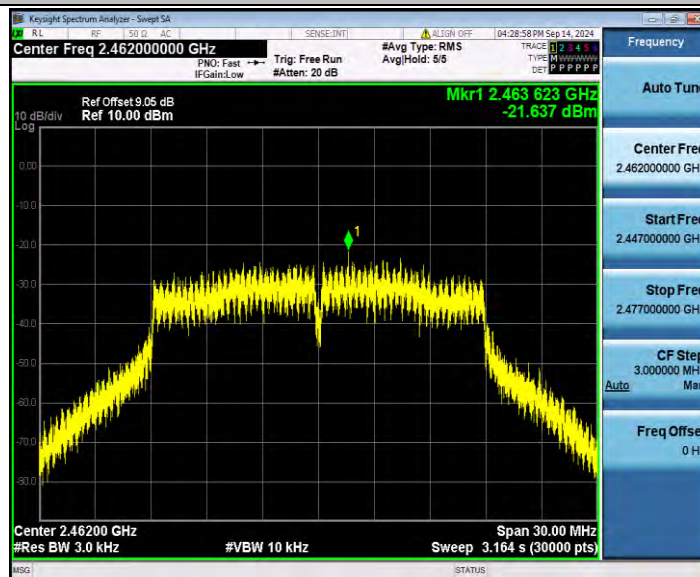
## 11N20SISO\_Ant2\_2412



## 11N20SISO\_Ant2\_2437



11N20SISO\_Ant2\_2462



11N40SISO\_Ant2\_2422



## 11N40SISO\_Ant2\_2437



## 11N40SISO\_Ant2\_2452



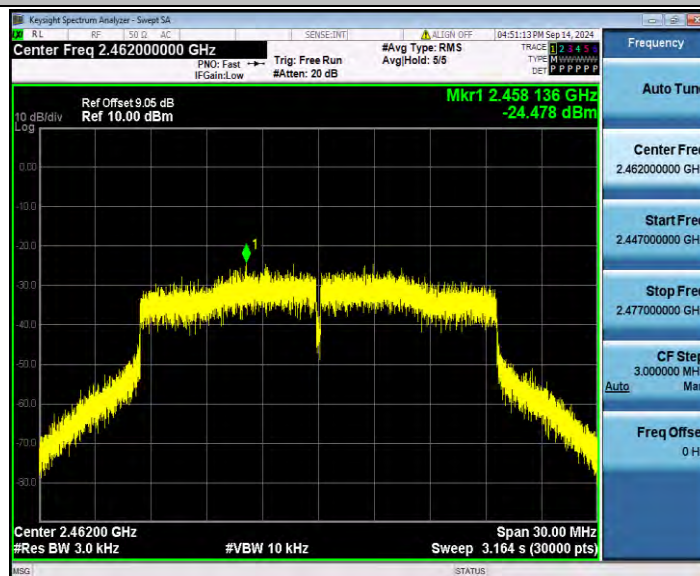
## 11AX20SISO\_Ant2\_2412



11AX20SISO\_Ant2\_2437



11AX20SISO\_Ant2\_2462



## 11AX40SISO\_Ant2\_2422



## 11AX40SISO\_Ant2\_2437



## 11AX40SISO\_Ant2\_2452

