

|                                                        |                                          |
|--------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20250825011-7-01</u>           |                                          |
| <b>Ambient Condition:</b> <u>24</u> °C, <u>48</u> %RH, |                                          |
| <b>Test Date:</b> <u>2025.10.16-17</u>                 | <b>Test Engineer:</b> <u>Evan ouyang</u> |

## Appendix A.1: DTS Bandwidth

### Test Result

| TestMode  | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 10.040       | 2407.000 | 2417.040 | 0.5        | PASS    |
|           |         | 2437           | 9.880        | 2432.160 | 2442.040 | 0.5        | PASS    |
|           |         | 2462           | 10.040       | 2457.000 | 2467.040 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 16.400       | 2403.800 | 2420.200 | 0.5        | PASS    |
|           |         | 2437           | 14.880       | 2429.880 | 2444.760 | 0.5        | PASS    |
|           |         | 2462           | 16.360       | 2453.800 | 2470.160 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 17.320       | 2403.200 | 2420.520 | 0.5        | PASS    |
|           |         | 2437           | 17.160       | 2428.240 | 2445.400 | 0.5        | PASS    |
|           |         | 2462           | 17.240       | 2453.240 | 2470.480 | 0.5        | PASS    |

Test Graphs





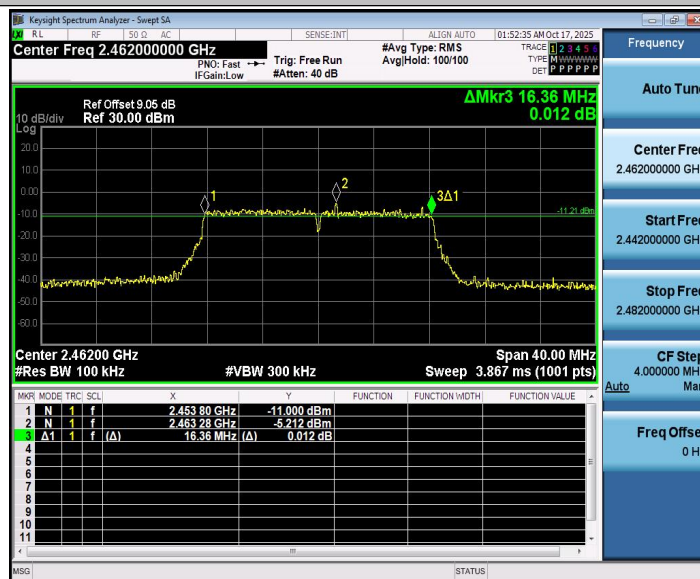
11G\_Ant1\_2412



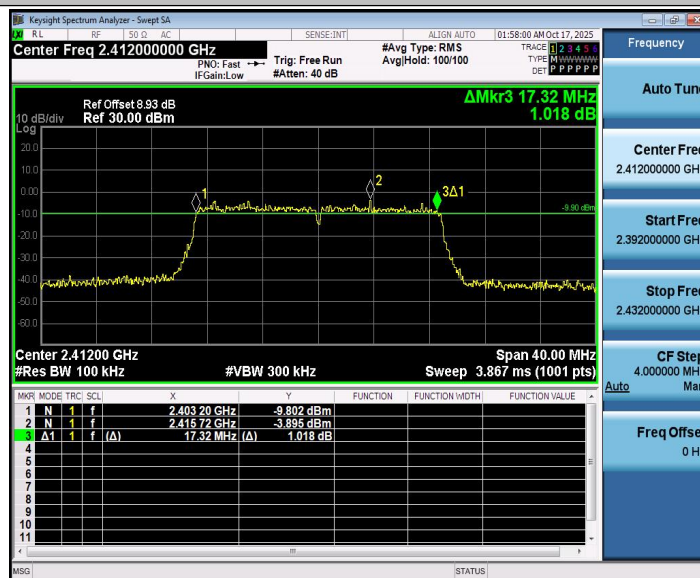
11G\_Ant1\_2437



## 11G\_Ant1\_2462



## 11N20SISO\_Ant1\_2412



## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

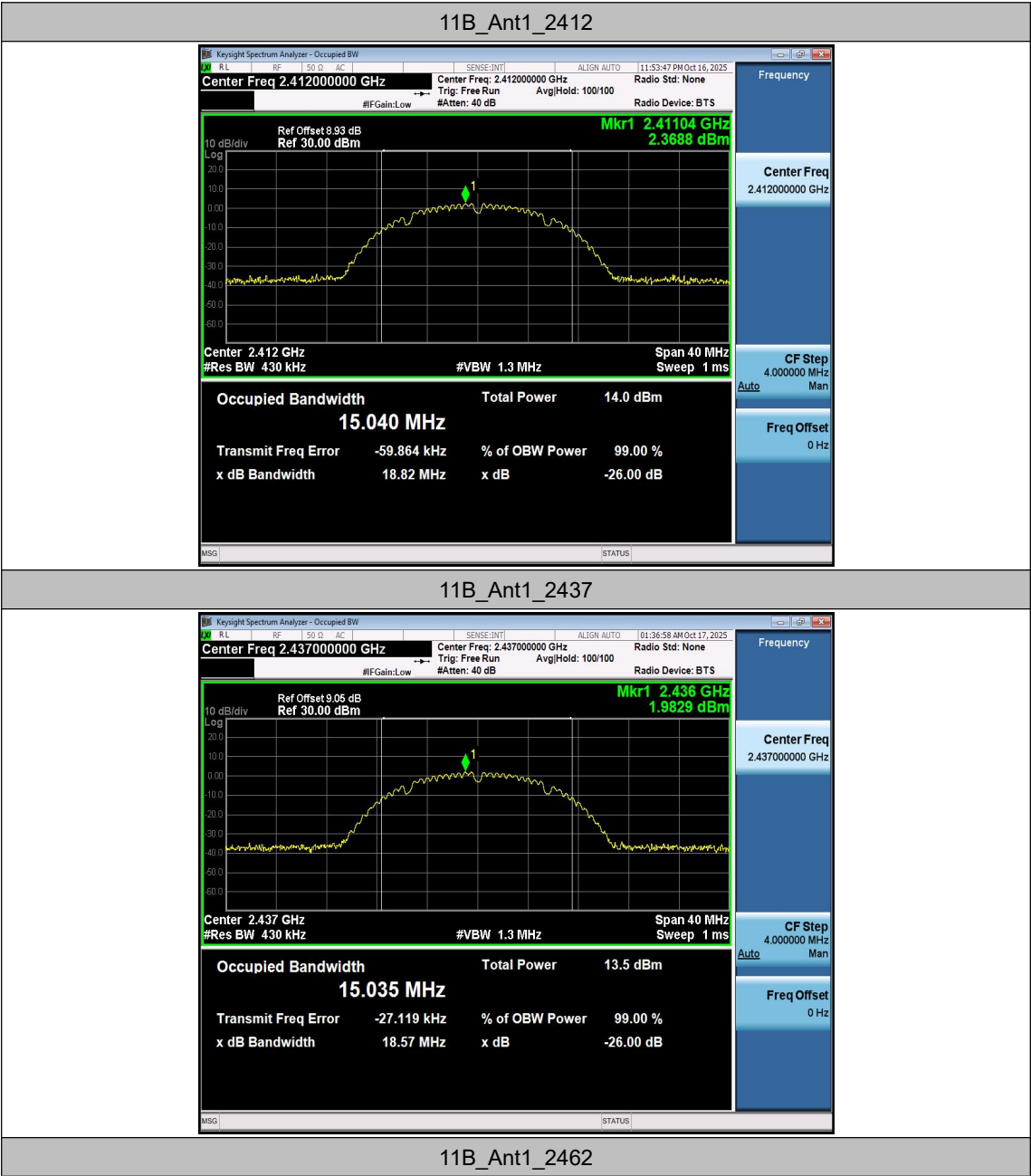


## Appendix A.2: Occupied Channel Bandwidth

### Test Result

| TestMode  | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|------------------------|-----------|-----------|-----------|------------|---------|
| 11B       | Ant1    | 2412                   | 15.040    | 2404.4201 | 2419.4601 | ---        | ---     |
|           |         | 2437                   | 15.035    | 2429.4554 | 2444.4904 | ---        | ---     |
|           |         | 2462                   | 15.059    | 2454.3964 | 2469.4554 | ---        | ---     |
| 11G       | Ant1    | 2412                   | 16.844    | 2403.5706 | 2420.4146 | ---        | ---     |
|           |         | 2437                   | 17.354    | 2428.2743 | 2445.6283 | ---        | ---     |
|           |         | 2462                   | 16.842    | 2453.5759 | 2470.4179 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                   | 17.692    | 2403.1300 | 2420.8220 | ---        | ---     |
|           |         | 2437                   | 17.646    | 2428.1745 | 2445.8205 | ---        | ---     |
|           |         | 2462                   | 17.680    | 2453.1441 | 2470.8241 | ---        | ---     |

Test Graphs



11B\_Ant1\_2437

Keysight Spectrum Analyzer - Occupied BW

Center Freq 2.437000000 GHz

Center Freq: 2.437000000 GHz

Trig: Free Run

#FGain: Low

#Atten: 40 dB

Align: AUTO

Radio Std: None

Radio Device: BTS

01:36:58 AM Oct 17, 2025

Ref Offset 9.05 dB

Ref 30.00 dBm

Mkr1 2.436 GHz

1.9829 dBm

10 dB/div

Log

20.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 2.437 GHz

#Res BW 430 kHz

#VBW 1.3 MHz

Span 40 MHz

Sweep 1 ms

Occupied Bandwidth

15.035 MHz

Total Power

13.5 dBm

Transmit Freq Error

-27.119 kHz

% of OBW Power

99.00 %

x dB Bandwidth

18.57 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

2.437000000 GHz

CF Step

4.000000 MHz

Auto

Man

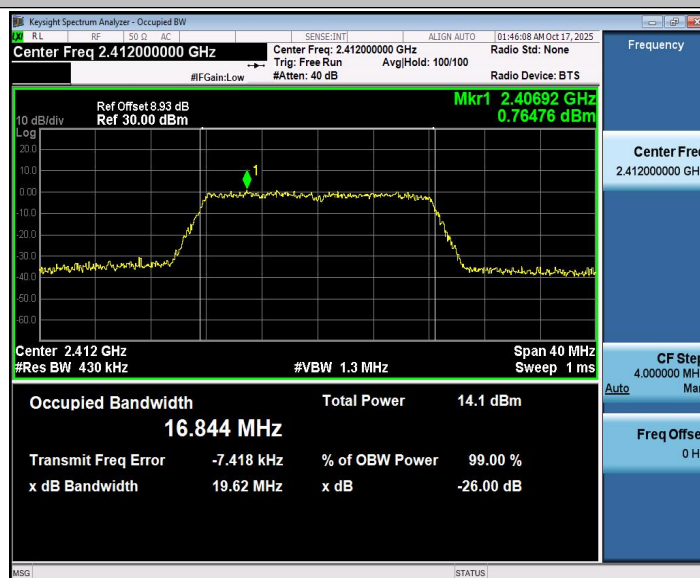
Freq Offset

0 Hz

11B\_Ant1\_2462



11G\_Ant1\_2412



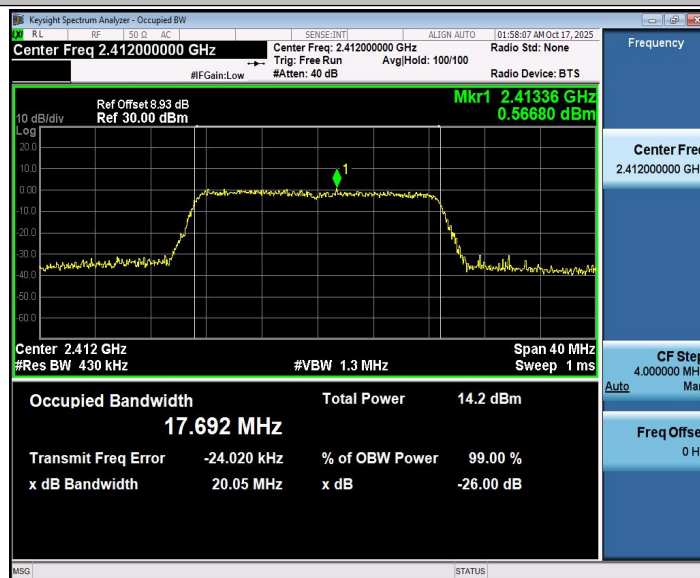
11G\_Ant1\_2437



## 11G\_Ant1\_2462



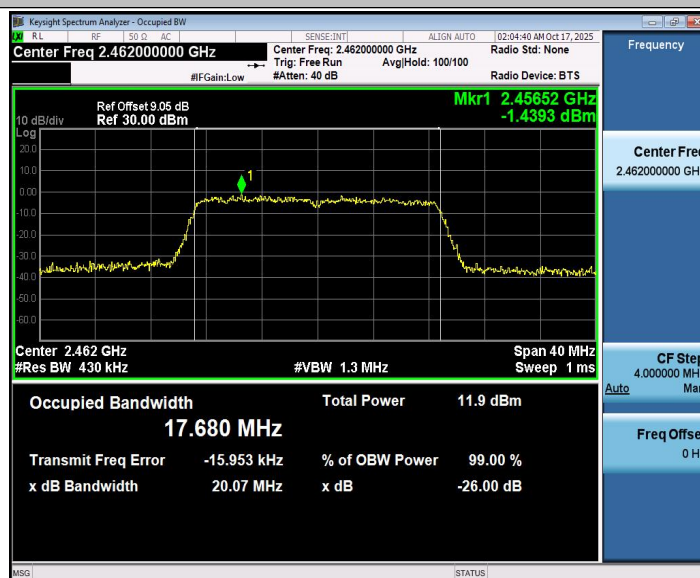
## 11N20SISO\_Ant1\_2412



## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



## Appendix A.3: Maximum conducted output power

| Test Mode     | Antenna | Frequency [MHz] | Set Power | Peak power [dBm] | Limit [dBm] | Verdict |
|---------------|---------|-----------------|-----------|------------------|-------------|---------|
| 11B           | Ant1    | 2412            | ---       | 14.03            | ≤30.00      | PASS    |
|               |         | 2437            | ---       | 13.55            | ≤30.00      | PASS    |
|               |         | 2462            | ---       | 11.75            | ≤30.00      | PASS    |
| 11G           | Ant1    | 2412            | ---       | 15.40            | ≤30.00      | PASS    |
|               |         | 2437            | ---       | 17.51            | ≤30.00      | PASS    |
|               |         | 2462            | ---       | 13.22            | ≤30.00      | PASS    |
| 11N20SI<br>SO | Ant1    | 2412            | ---       | 15.35            | ≤30.00      | PASS    |
|               |         | 2437            | ---       | 14.74            | ≤30.00      | PASS    |
|               |         | 2462            | ---       | 13.15            | ≤30.00      | PASS    |

## Appendix A.4: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -11.69               | ≤8.00           | PASS    |
|           |         | 2437           | -13.61               | ≤8.00           | PASS    |
|           |         | 2462           | -15.48               | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -17.57               | ≤8.00           | PASS    |
|           |         | 2437           | -14.11               | ≤8.00           | PASS    |
|           |         | 2462           | -19.15               | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -16.72               | ≤8.00           | PASS    |
|           |         | 2437           | -14.45               | ≤8.00           | PASS    |
|           |         | 2462           | -19.42               | ≤8.00           | PASS    |

Note:

1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

## Test Graphs

11B\_Ant1\_2412



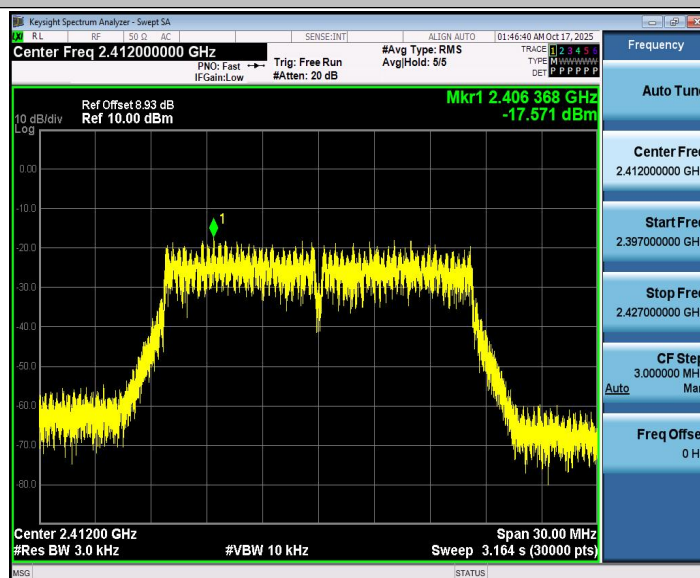
11B\_Ant1\_2437



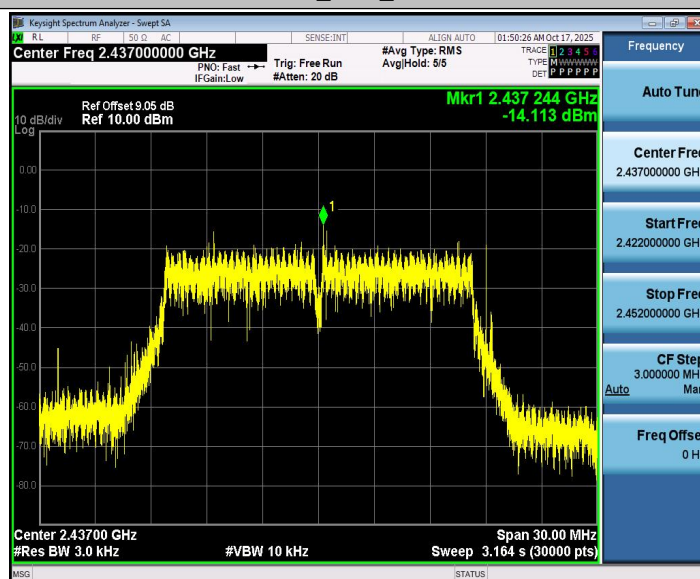
11B\_Ant1\_2462



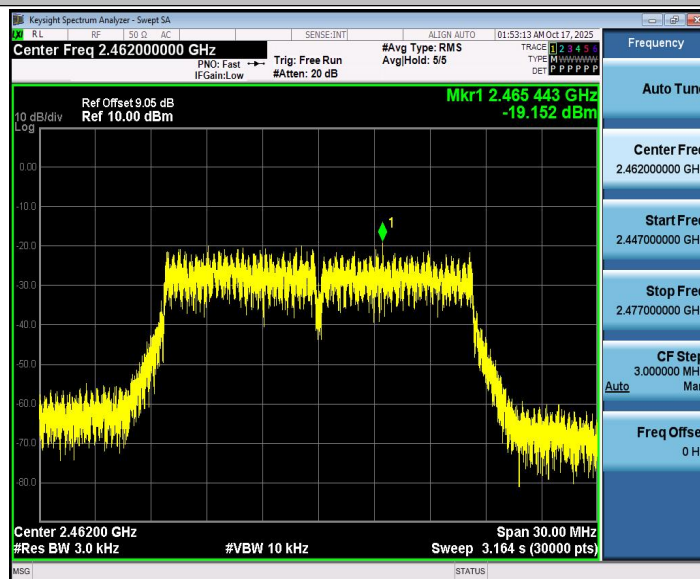
11G\_Ant1\_2412



11G\_Ant1\_2437



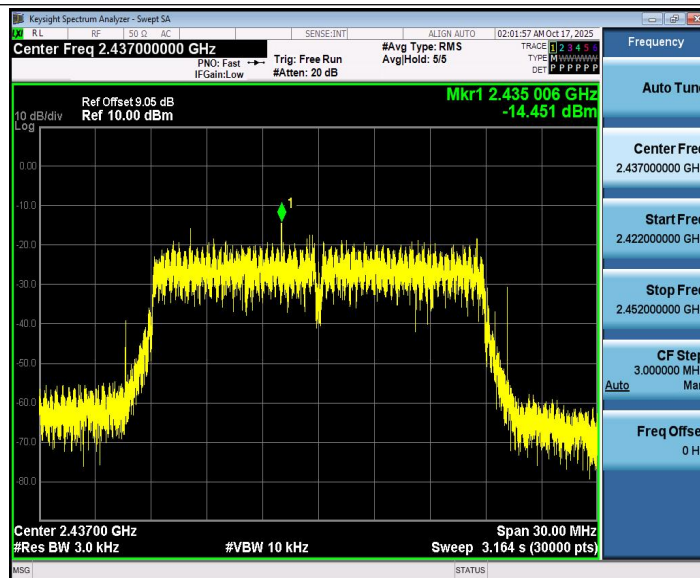
## 11G\_Ant1\_2462



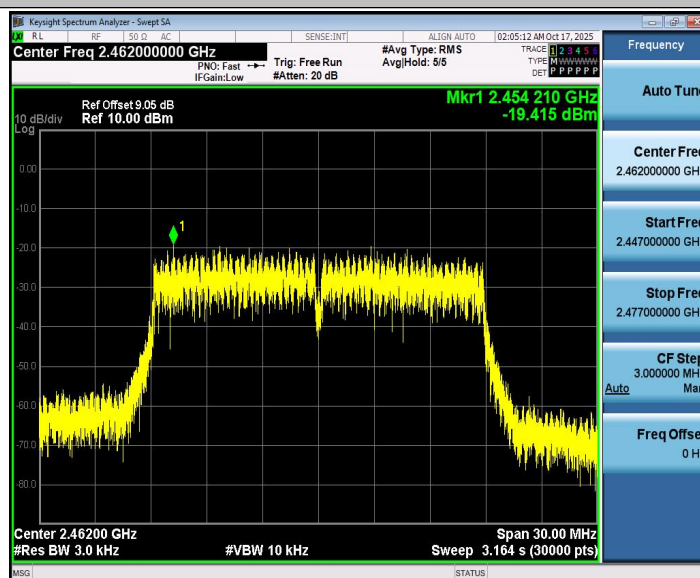
## 11N20SISO\_Ant1\_2412



## 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

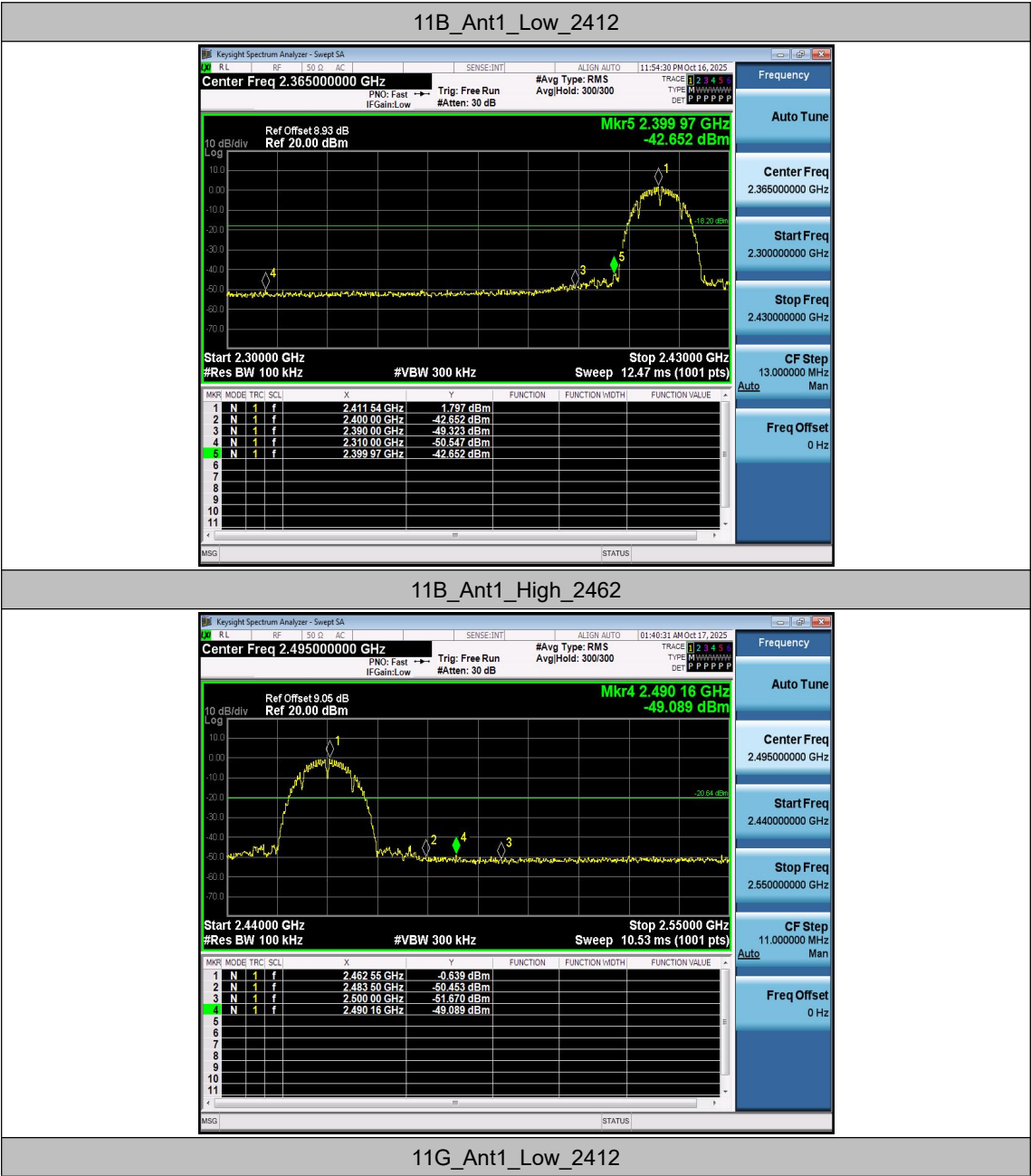


## Appendix A.5: Band edge measurements

### Test Result

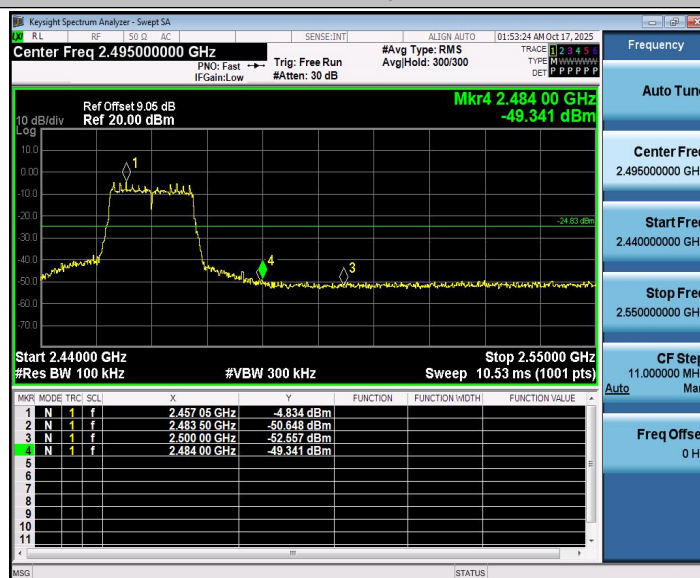
| TestMode  | Antenna | Channel | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|----------------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low     | 2412           | 1.80          | -42.65      | ≤-18.2     | PASS    |
|           |         | High    | 2462           | -0.64         | -49.09      | ≤-20.64    | PASS    |
| 11G       | Ant1    | Low     | 2412           | -2.69         | -38.77      | ≤-22.69    | PASS    |
|           |         | High    | 2462           | -4.83         | -49.34      | ≤-24.83    | PASS    |
| 11N20SISO | Ant1    | Low     | 2412           | -3.46         | -38.89      | ≤-23.46    | PASS    |
|           |         | High    | 2462           | -4.82         | -49.33      | ≤-24.82    | PASS    |

Test Graphs

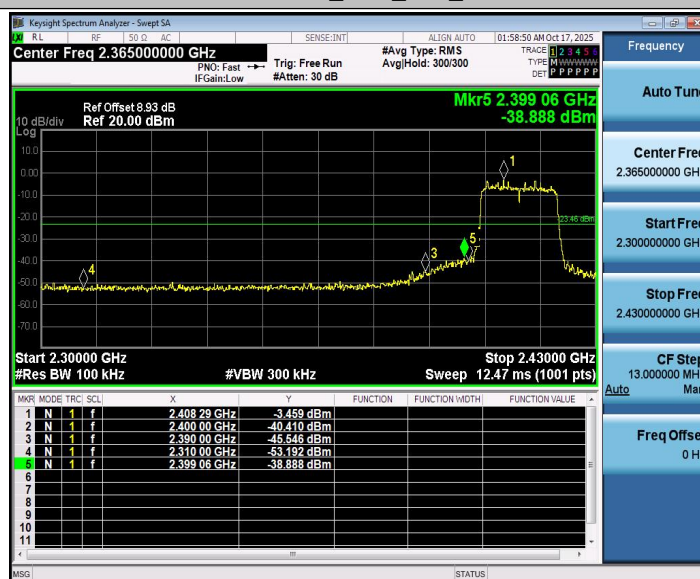


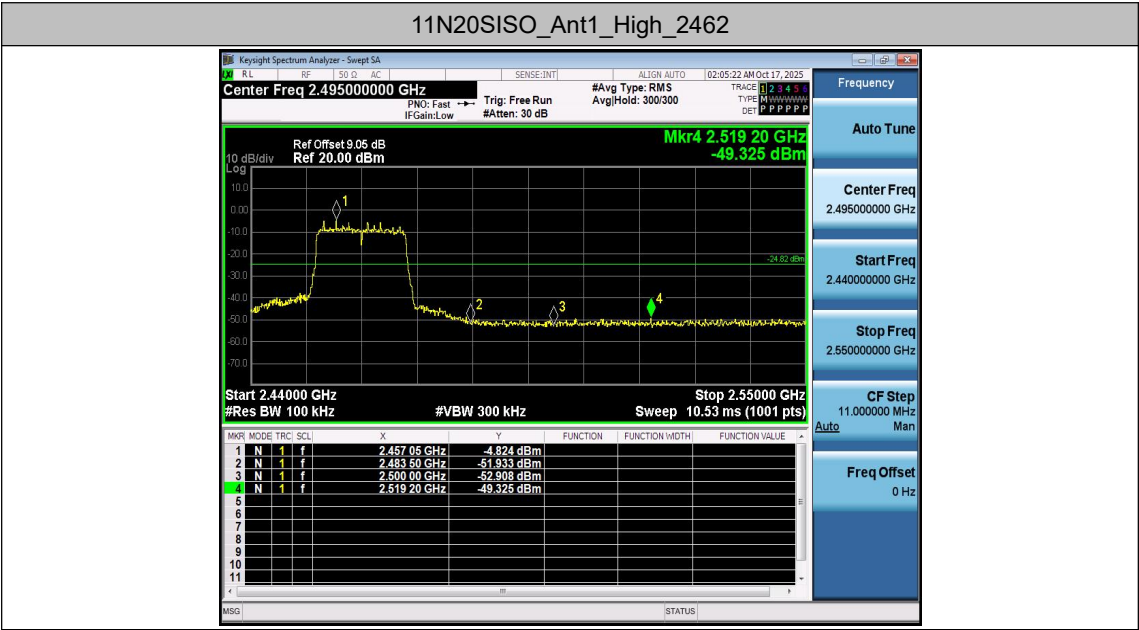


11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412





## Appendix A.6: Conducted Spurious Emission

### Test Result

| TestMode  | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | Reference       | -0.32          | -0.32        | ---         | PASS    |
|           |         |                | 30~1000         | -0.32          | -58.56       | ≤-20.32     | PASS    |
|           |         |                | 1000~26500      | -0.32          | -47.22       | ≤-20.32     | PASS    |
|           |         | 2437           | Reference       | -0.77          | -0.77        | ---         | PASS    |
|           |         |                | 30~1000         | -0.77          | -59.19       | ≤-20.77     | PASS    |
|           |         |                | 1000~26500      | -0.77          | -47.24       | ≤-20.77     | PASS    |
|           |         | 2462           | Reference       | -0.88          | -0.88        | ---         | PASS    |
|           |         |                | 30~1000         | -0.88          | -57.16       | ≤-20.88     | PASS    |
|           |         |                | 1000~26500      | -0.88          | -47.4        | ≤-20.88     | PASS    |
| 11G       | Ant1    | 2412           | Reference       | -5.98          | -5.98        | ---         | PASS    |
|           |         |                | 30~1000         | -5.98          | -57.2        | ≤-25.98     | PASS    |
|           |         |                | 1000~26500      | -5.98          | -44.72       | ≤-25.98     | PASS    |
|           |         | 2437           | Reference       | -3.98          | -3.98        | ---         | PASS    |
|           |         |                | 30~1000         | -3.98          | -56.91       | ≤-23.98     | PASS    |
|           |         |                | 1000~26500      | -3.98          | -47.44       | ≤-23.98     | PASS    |
|           |         | 2462           | Reference       | -6.43          | -6.43        | ---         | PASS    |
|           |         |                | 30~1000         | -6.43          | -57.66       | ≤-26.43     | PASS    |
|           |         |                | 1000~26500      | -6.43          | -47.01       | ≤-26.43     | PASS    |
| 11N20SISO | Ant1    | 2412           | Reference       | -3.07          | -3.07        | ---         | PASS    |
|           |         |                | 30~1000         | -3.07          | -57.92       | ≤-23.07     | PASS    |
|           |         |                | 1000~26500      | -3.07          | -47.41       | ≤-23.07     | PASS    |
|           |         | 2437           | Reference       | -6.16          | -6.16        | ---         | PASS    |
|           |         |                | 30~1000         | -6.16          | -57.09       | ≤-26.16     | PASS    |
|           |         |                | 1000~26500      | -6.16          | -47.25       | ≤-26.16     | PASS    |
|           |         | 2462           | Reference       | -4.96          | -4.96        | ---         | PASS    |
|           |         |                | 30~1000         | -4.96          | -56.92       | ≤-24.96     | PASS    |
|           |         |                | 1000~26500      | -4.96          | -47.32       | ≤-24.96     | PASS    |