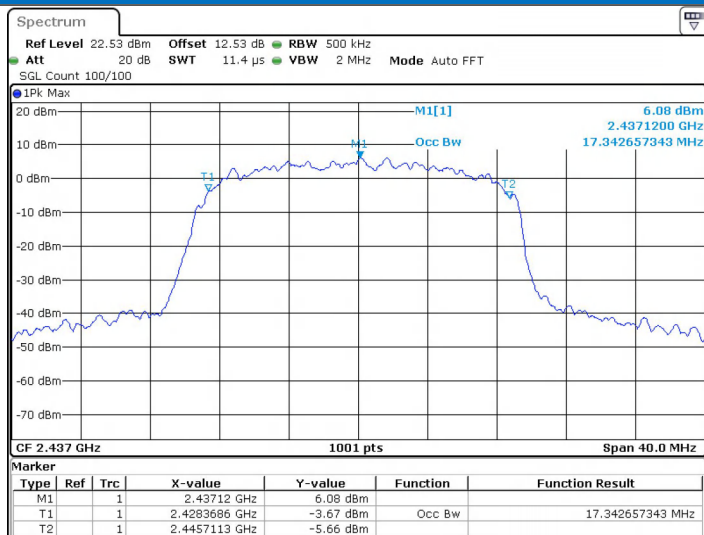
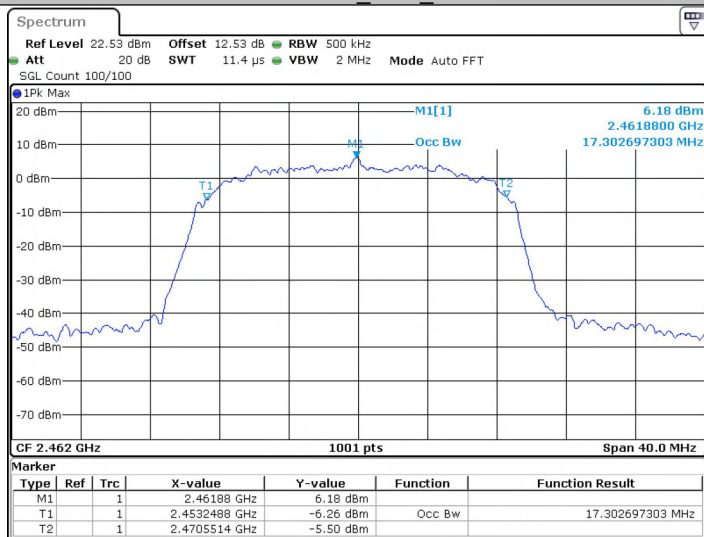
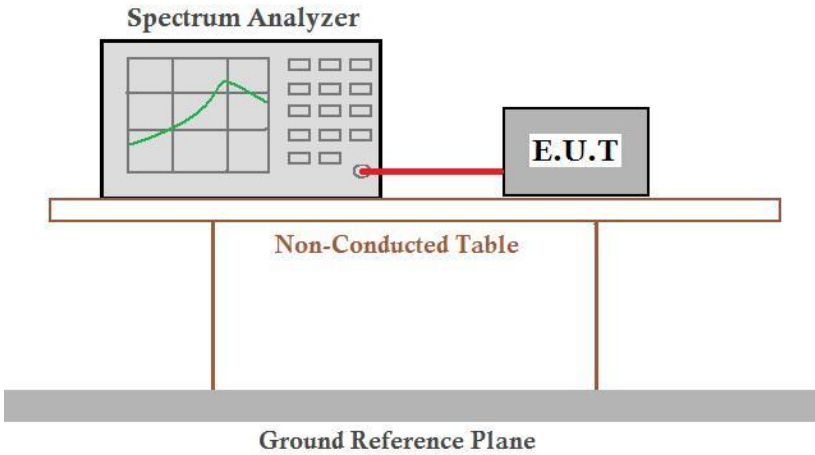




11N20SISO\_Ant1\_2462



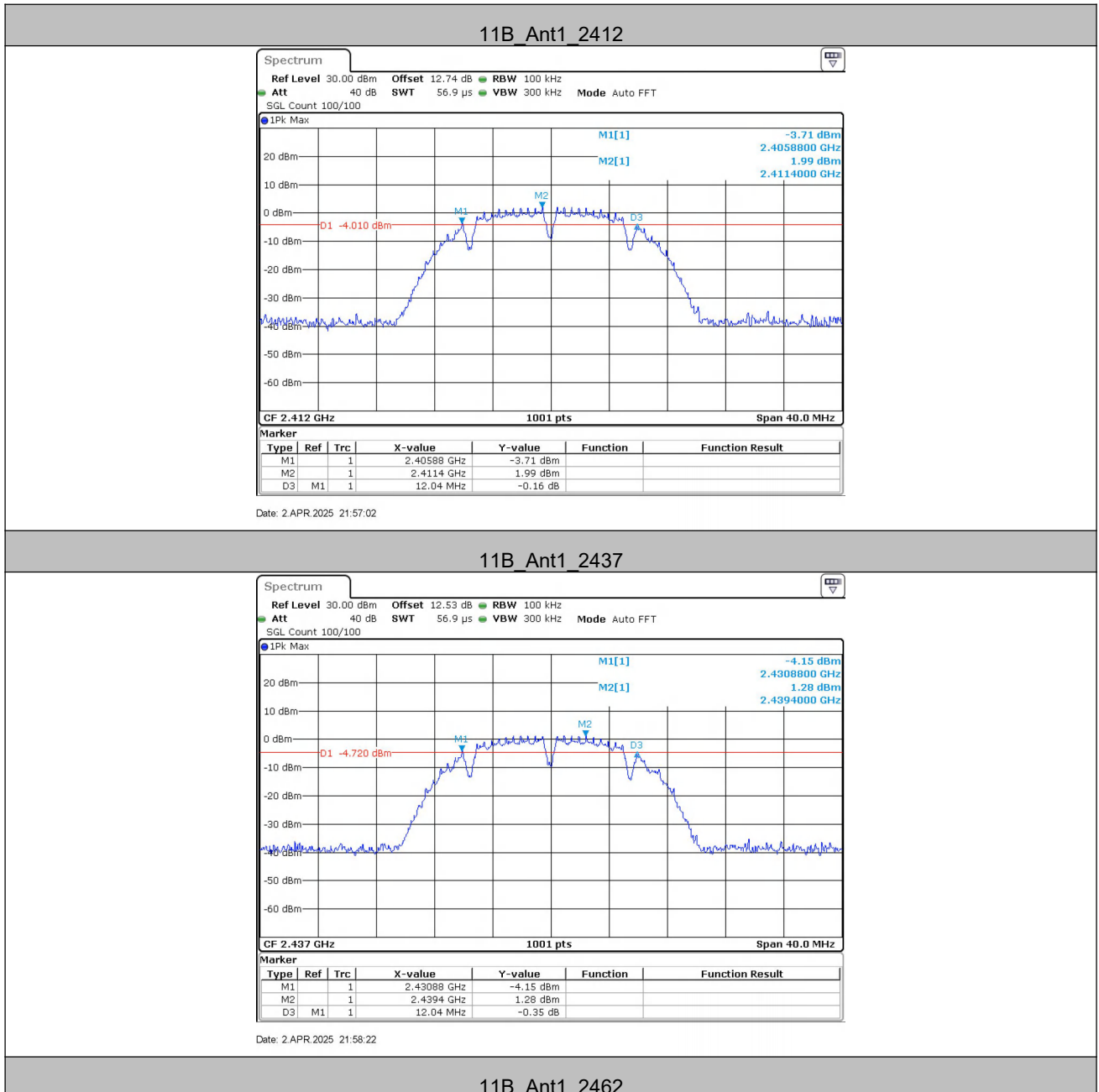
## 5.5 6dB Occupied Bandwidth

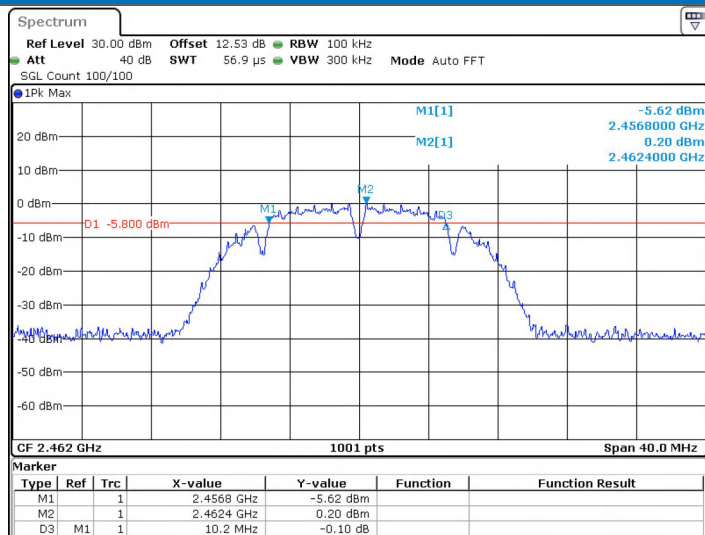
|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (a)(2)                                                                                           |
| Test Method:           | ANSI C63.10: 2013                                                                                                               |
| Test Setup:            |  <p>Offset=cable loss+ attenuation factor</p> |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                           |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                  |
| Limit:                 | $\geq 500$ kHz                                                                                                                  |
| Test Results:          | Pass                                                                                                                            |

**Test Result**

| TestMode  | Antenna | Channel | DTS BW [MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|--------------|------------|---------|
| 11B       | Ant1    | 2412    | 12.04        | 0.5        | PASS    |
|           |         | 2437    | 12.04        | 0.5        | PASS    |
|           |         | 2462    | 10.20        | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 13.88        | 0.5        | PASS    |
|           |         | 2437    | 15.32        | 0.5        | PASS    |
|           |         | 2462    | 15.04        | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412    | 13.88        | 0.5        | PASS    |
|           |         | 2437    | 15.12        | 0.5        | PASS    |
|           |         | 2462    | 15.04        | 0.5        | PASS    |

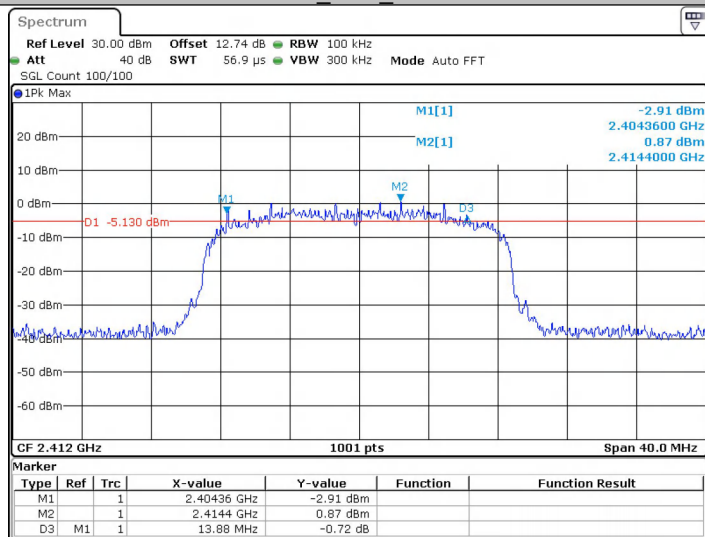
## Test Graphs





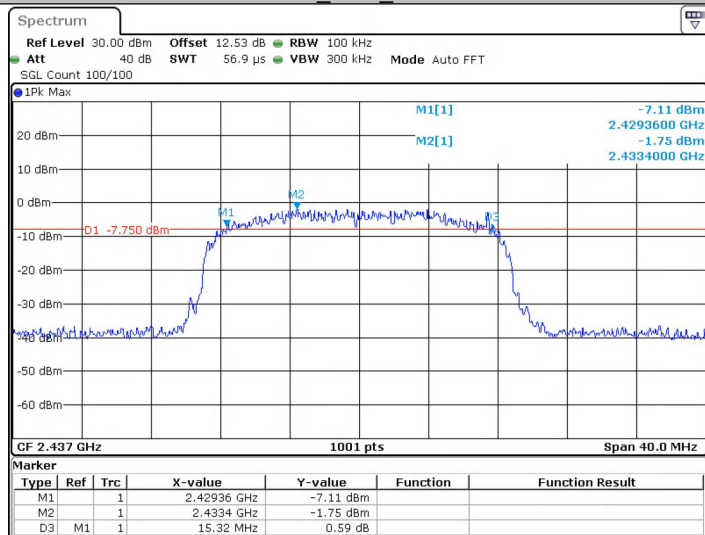
Date: 2 APR 2025 21:59:45

### 11G\_Ant1\_2412



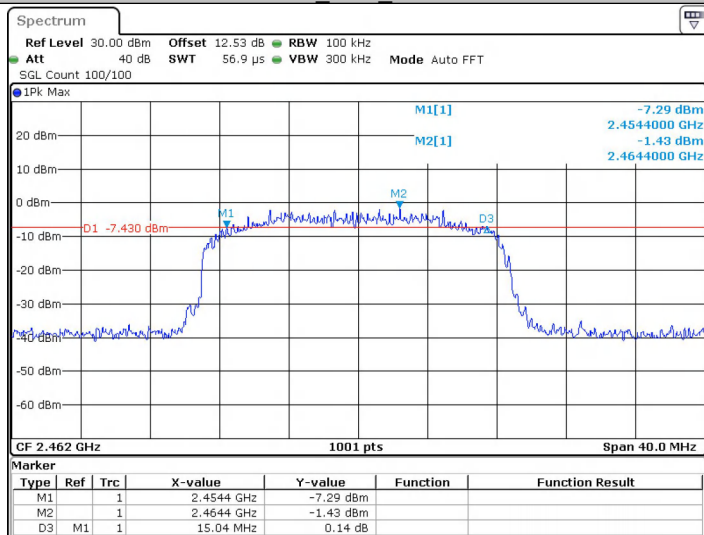
Date: 2 APR 2025 22:01:42

### 11G\_Ant1\_2437



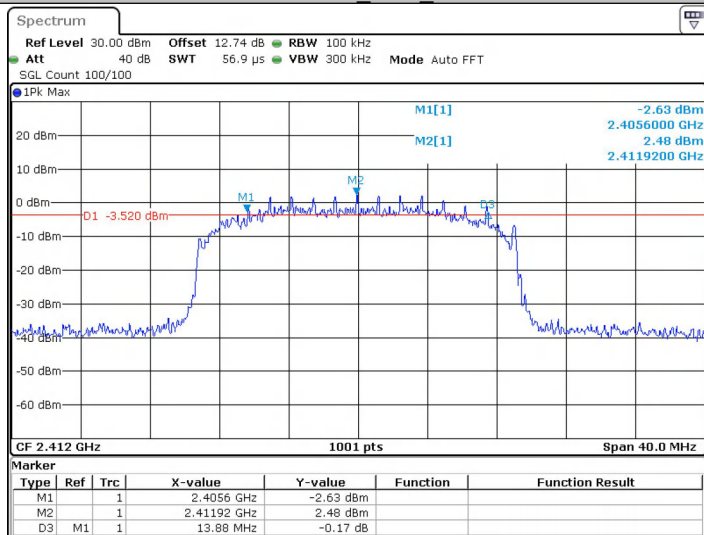
Date: 2 APR 2025 22:02:56

11G\_Ant1\_2462



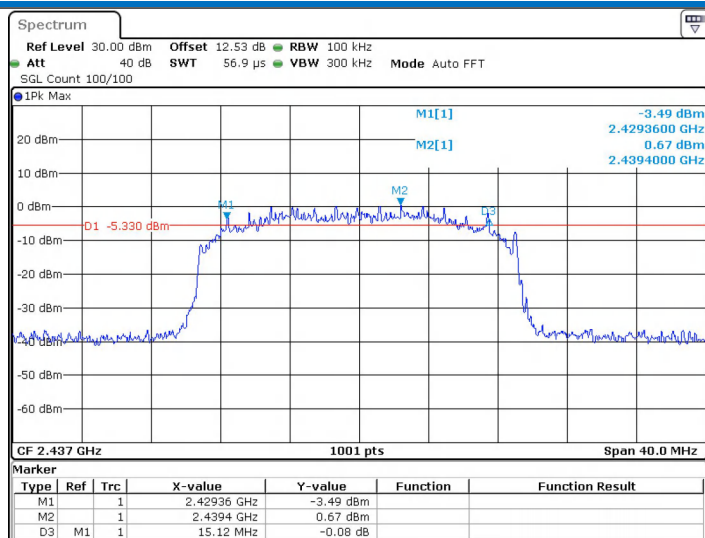
Date: 2 APR 2025 22:05:52

11N20SISO\_Ant1\_2412



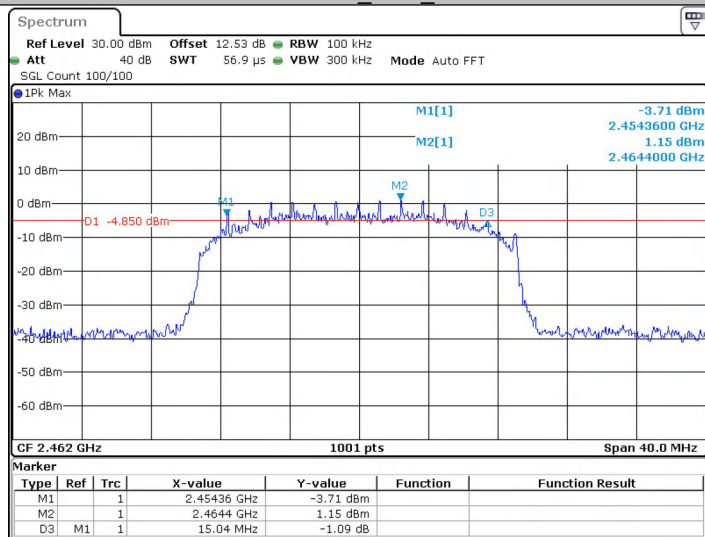
Date: 2 APR 2025 22:09:02

11N20SISO\_Ant1\_2437



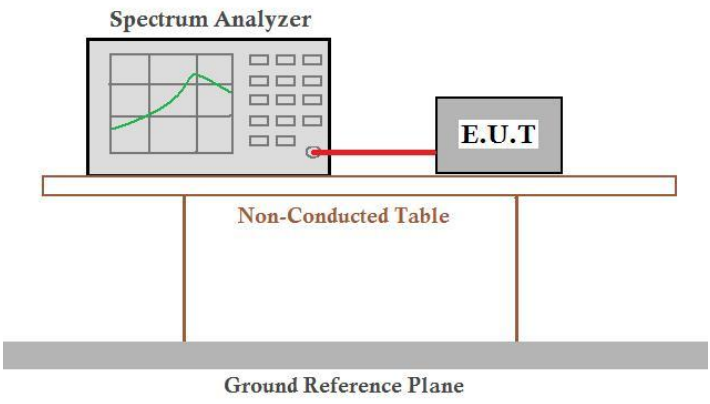
Date: 2 APR 2025 22:11:07

### 11N20SISO\_Ant1\_2462



Date: 2 APR 2025 22:12:14

## 5.6 Power Spectral Density

|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (e)                                                                                              |
| Test Method:           | ANSI C63.10: 2013                                                                                                               |
| Test Setup:            |  <p>Offset=cable loss+ attenuation factor</p> |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                           |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                  |
| Limit:                 | ≤8.00dBm/3kHz                                                                                                                   |
| Test Results:          | Pass                                                                                                                            |

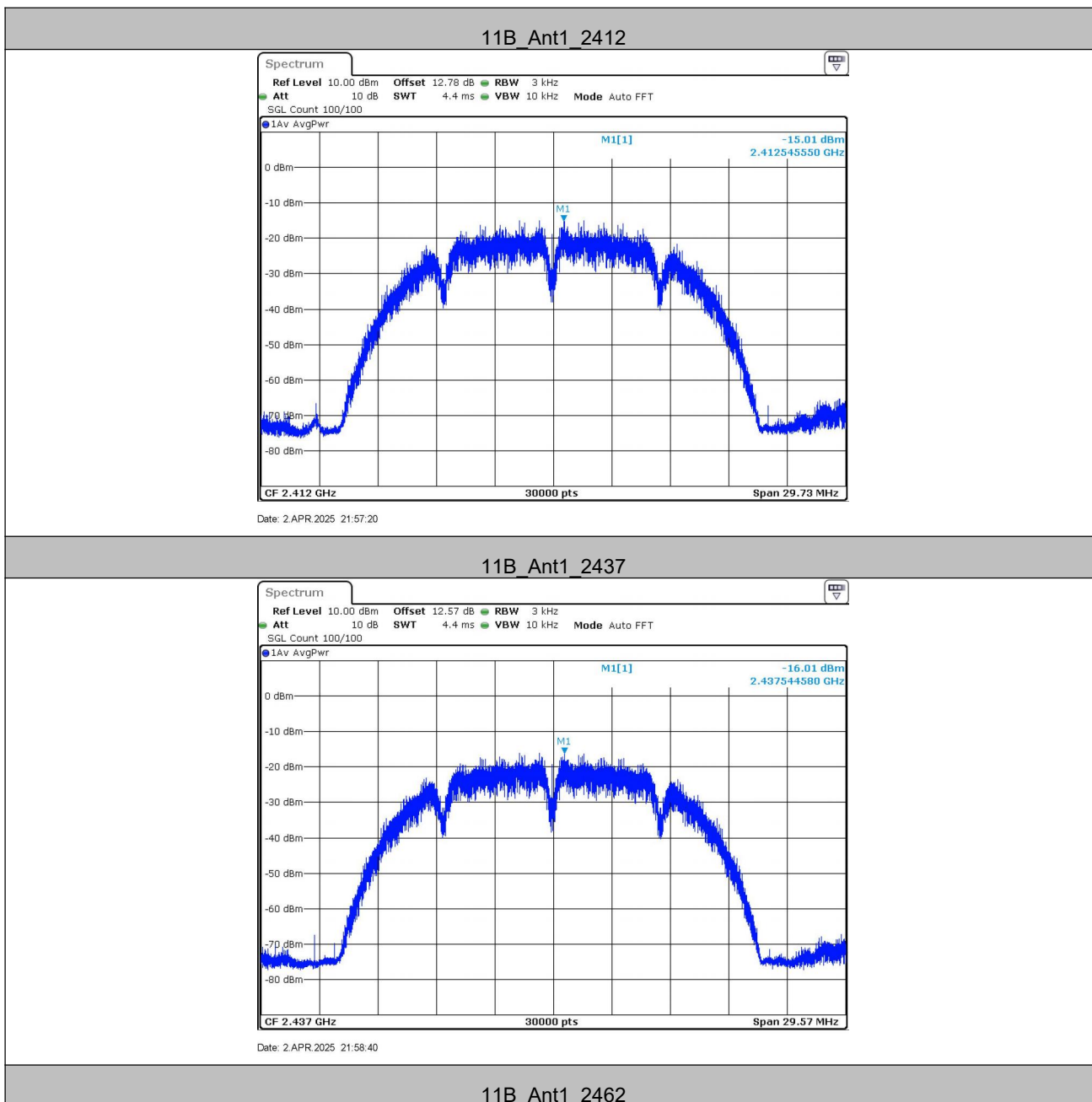
## Test Result

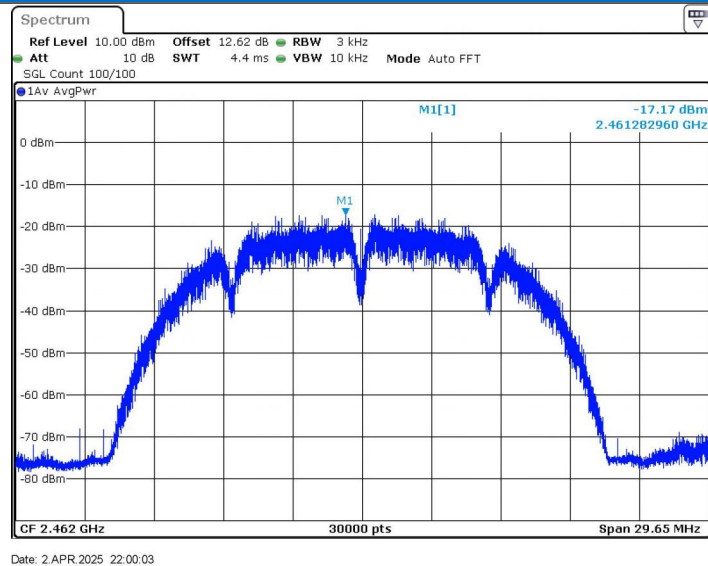
| TestMode  | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|----------------|------------------|-----------------|---------|
| 11B       | 2412           | -15.01           | ≤8.00           | PASS    |
|           | 2437           | -16.01           | ≤8.00           | PASS    |
|           | 2462           | -17.17           | ≤8.00           | PASS    |
| 11G       | 2412           | -13.93           | ≤8.00           | PASS    |
|           | 2437           | -14.54           | ≤8.00           | PASS    |
|           | 2462           | -15.13           | ≤8.00           | PASS    |
| 11N20SISO | 2412           | -13.18           | ≤8.00           | PASS    |
|           | 2437           | -13.76           | ≤8.00           | PASS    |
|           | 2462           | -14.32           | ≤8.00           | PASS    |

Note: Duty cycle correction factor details please see section 4.4.

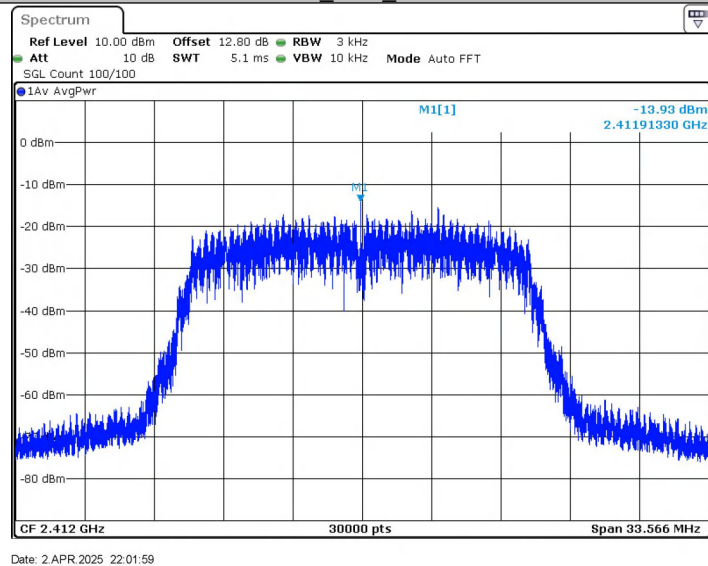
When Duty cycle >98%, D.C.F is not required.

## Test Graphs

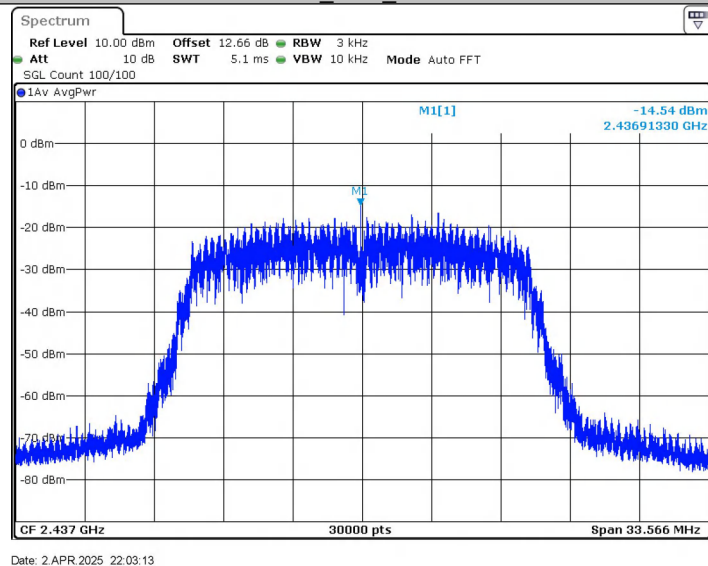




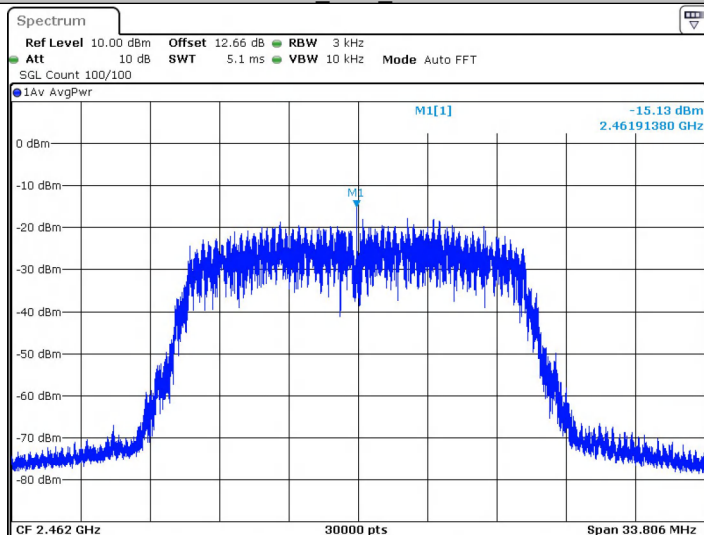
11G\_Ant1\_2412



11G\_Ant1\_2437

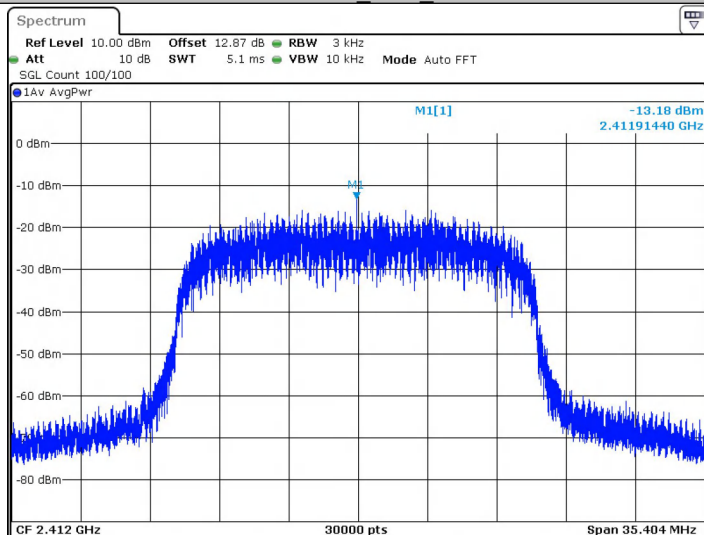


11G\_Ant1\_2462



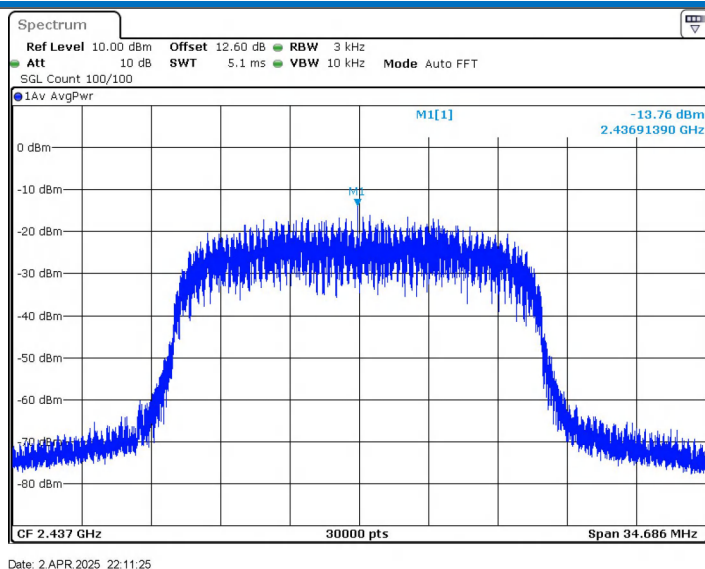
Date: 2 APR 2025 22:06:10

11N20SISO\_Ant1\_2412

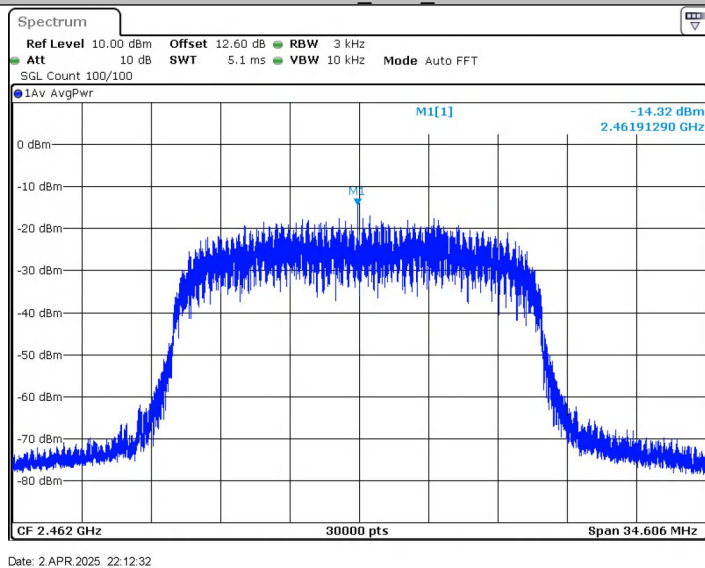


Date: 2 APR 2025 22:09:20

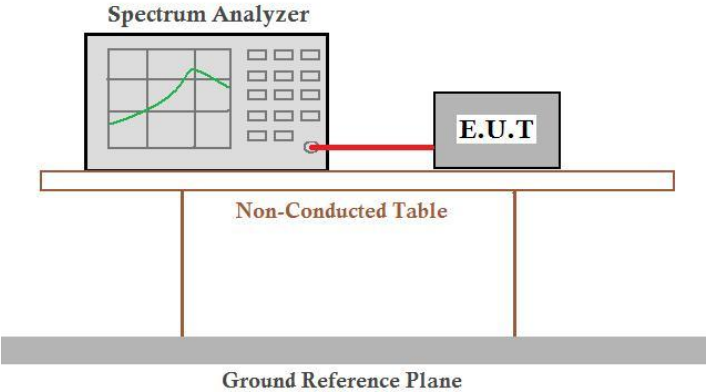
11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



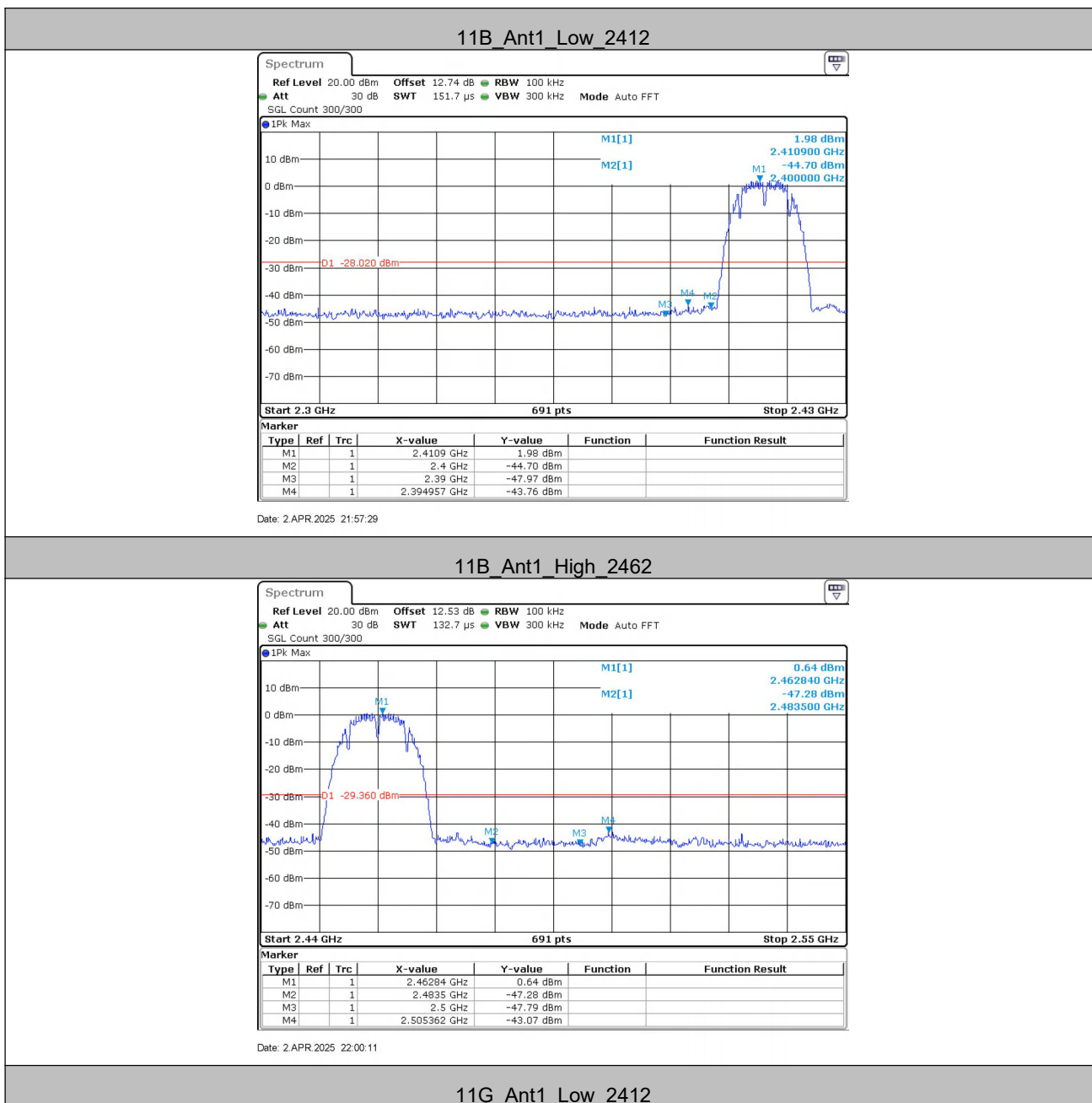
## 5.7 Band-edge for RF Conducted Emissions

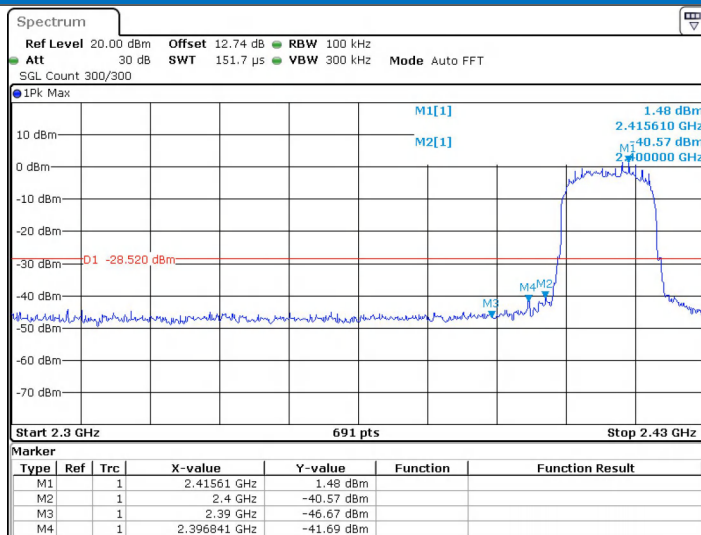
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10: 2013                                                                                                                                                                                                                                                                                                                                                                       |
| Test Setup:            |  <p>Offset=cable loss+ attenuation factor</p>                                                                                                                                                                                                                                                         |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                   |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                                                                                                                                                                                                                                                                          |
| Limit:                 | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

## Test Result

| TestMode  | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|--------|----------------|---------------|-------------|---------------|---------|
| 11B       | Low    | 2412           | 1.98          | -43.76      | $\leq -28.02$ | PASS    |
|           | High   | 2462           | 0.64          | -43.07      | $\leq -29.36$ | PASS    |
| 11G       | Low    | 2412           | 1.48          | -41.69      | $\leq -28.52$ | PASS    |
|           | High   | 2462           | -0.64         | -43.52      | $\leq -30.64$ | PASS    |
| 11N20SISO | Low    | 2412           | 3.23          | -42.02      | $\leq -26.77$ | PASS    |
|           | High   | 2462           | 1.95          | -43.06      | $\leq -28.05$ | PASS    |

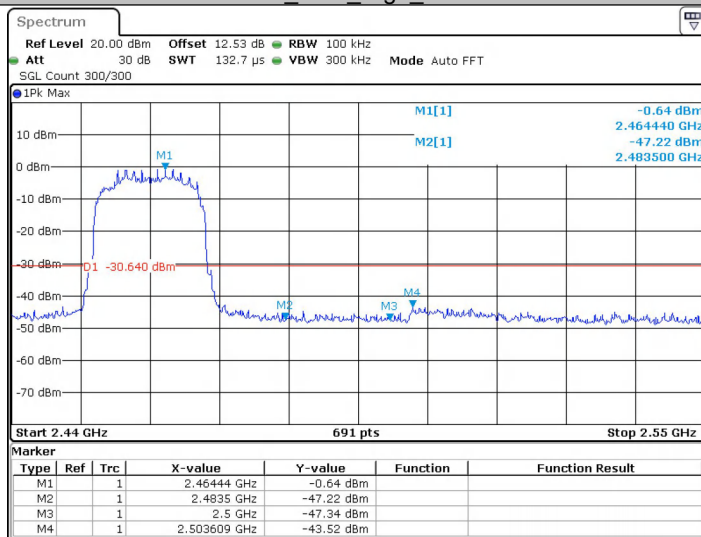
## 5.7.1 Test Graphs





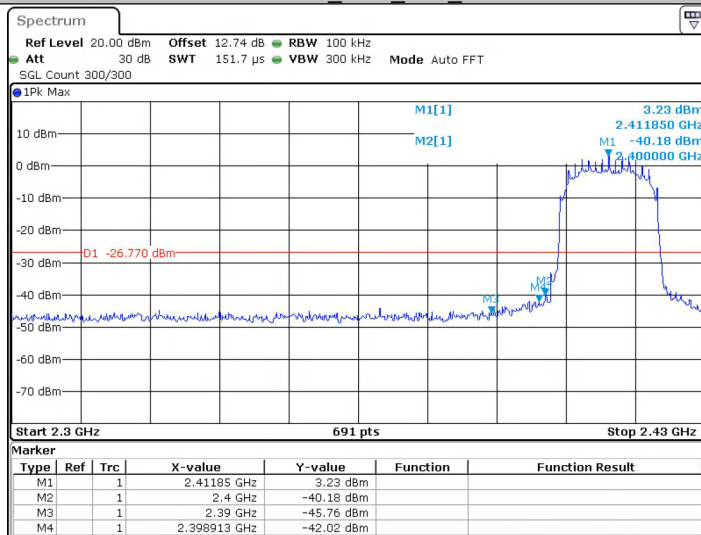
Date: 2 APR 2025 22:02:08

### 11G\_Ant1\_High\_2462

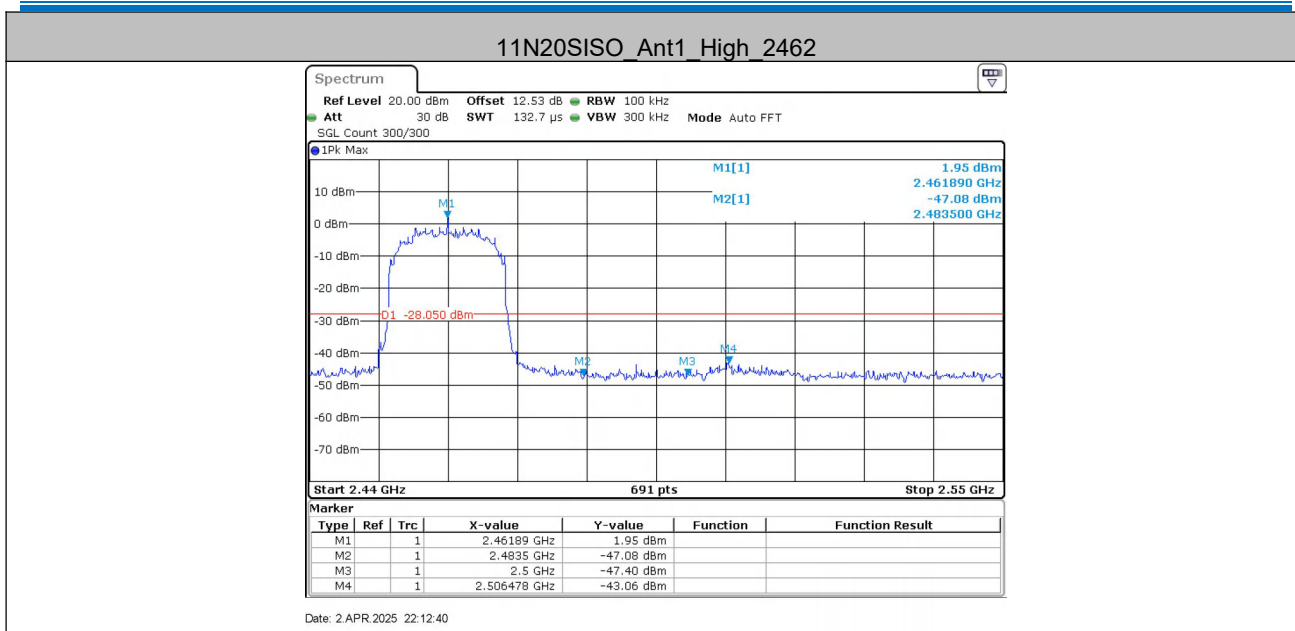


Date: 2 APR 2025 22:06:18

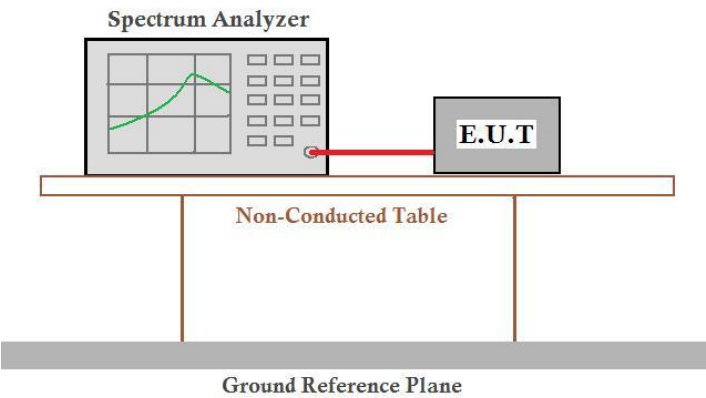
### 11N20SISO\_Ant1\_Low\_2412



Date: 2 APR 2025 22:09:28



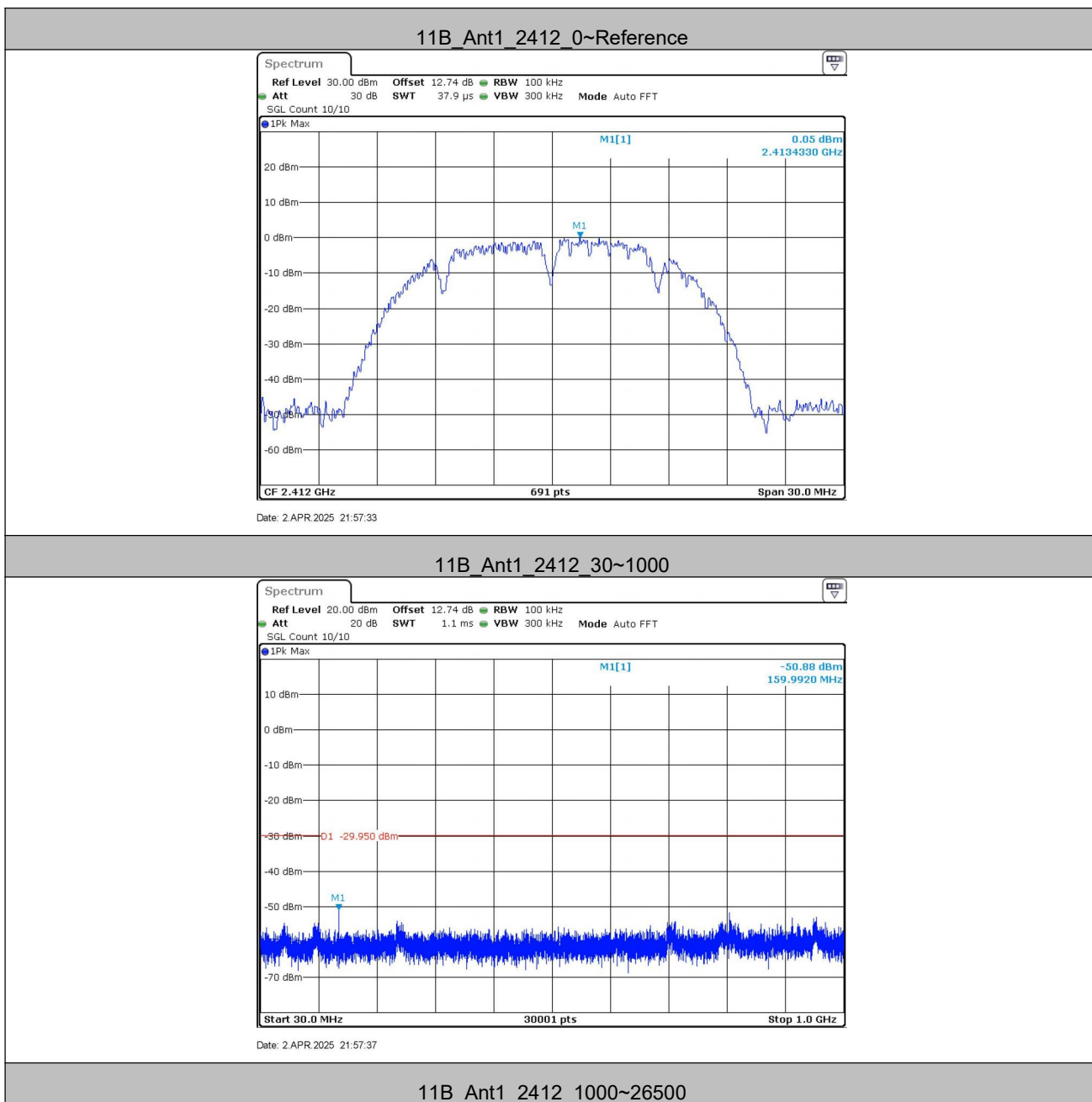
## 5.8 RF Conducted Spurious Emissions

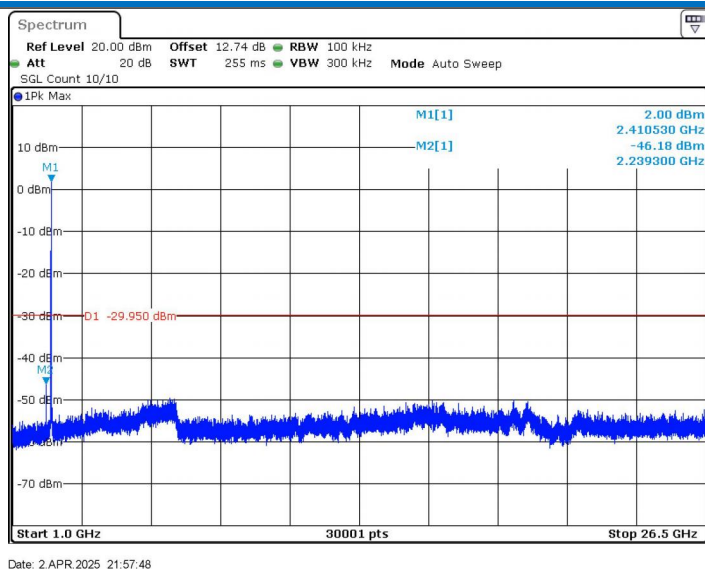
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10: 2013                                                                                                                                                                                                                                                                                                                                                                       |
| Test Setup:            |  <p>Offset=cable loss+ attenuation factor</p>                                                                                                                                                                                                                                                         |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                   |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                                                                                                                                                                                                                                                                          |
| Limit:                 | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

## Test Result

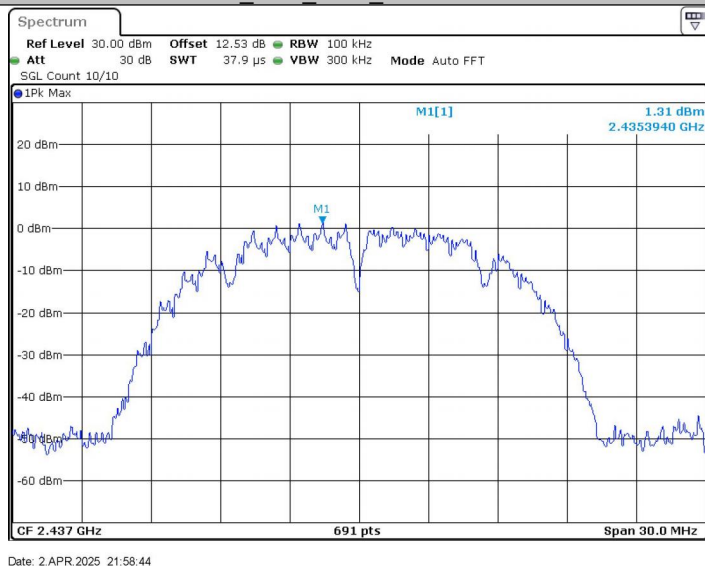
| TestMode  | Frequency[MHz] | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|----------------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | 2412           | Reference          | 0.05              | 0.05            | ---            | PASS    |
|           |                | 30~1000            | 0.05              | -50.88          | $\leq -29.95$  | PASS    |
|           |                | 1000~26500         | 0.05              | -46.18          | $\leq -29.95$  | PASS    |
|           | 2437           | Reference          | 1.31              | 1.31            | ---            | PASS    |
|           |                | 30~1000            | 1.31              | -51.73          | $\leq -28.69$  | PASS    |
|           |                | 1000~26500         | 1.31              | -46.39          | $\leq -28.69$  | PASS    |
|           | 2462           | Reference          | -0.74             | -0.74           | ---            | PASS    |
|           |                | 30~1000            | -0.74             | -52.14          | $\leq -30.74$  | PASS    |
|           |                | 1000~26500         | -0.74             | -46.87          | $\leq -30.74$  | PASS    |
| 11G       | 2412           | Reference          | -1.96             | -1.96           | ---            | PASS    |
|           |                | 30~1000            | -1.96             | -51.86          | $\leq -31.96$  | PASS    |
|           |                | 1000~26500         | -1.96             | -47.49          | $\leq -31.96$  | PASS    |
|           | 2437           | Reference          | -2.16             | -2.16           | ---            | PASS    |
|           |                | 30~1000            | -2.16             | -51.27          | $\leq -32.16$  | PASS    |
|           |                | 1000~26500         | -2.16             | -48.11          | $\leq -32.16$  | PASS    |
|           | 2462           | Reference          | -2.59             | -2.59           | ---            | PASS    |
|           |                | 30~1000            | -2.59             | -51.71          | $\leq -32.59$  | PASS    |
|           |                | 1000~26500         | -2.59             | -47.4           | $\leq -32.59$  | PASS    |
| 11N20SISO | 2412           | Reference          | -0.58             | -0.58           | ---            | PASS    |
|           |                | 30~1000            | -0.58             | -51.2           | $\leq -30.58$  | PASS    |
|           |                | 1000~26500         | -0.58             | -46.01          | $\leq -30.58$  | PASS    |
|           | 2437           | Reference          | 1.22              | 1.22            | ---            | PASS    |
|           |                | 30~1000            | 1.22              | -51.31          | $\leq -28.78$  | PASS    |
|           |                | 1000~26500         | 1.22              | -47.36          | $\leq -28.78$  | PASS    |
|           | 2462           | Reference          | 0.46              | 0.46            | ---            | PASS    |
|           |                | 30~1000            | 0.46              | -50.76          | $\leq -29.54$  | PASS    |
|           |                | 1000~26500         | 0.46              | -47.25          | $\leq -29.54$  | PASS    |

## Test Graphs

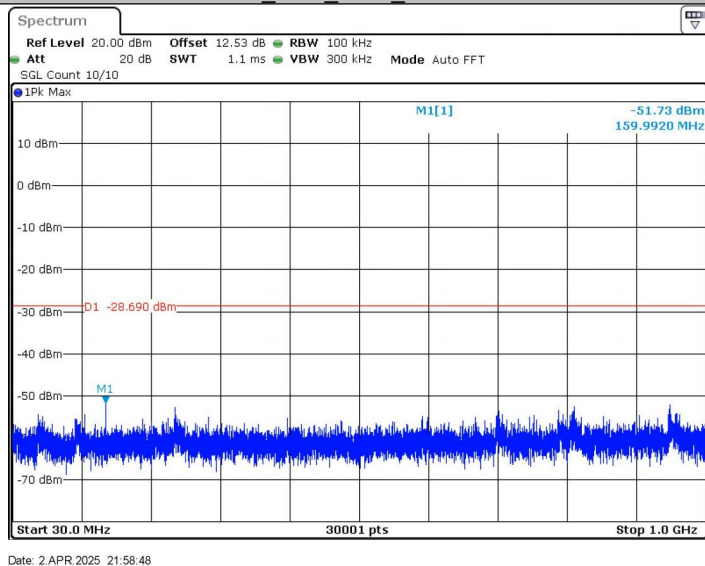




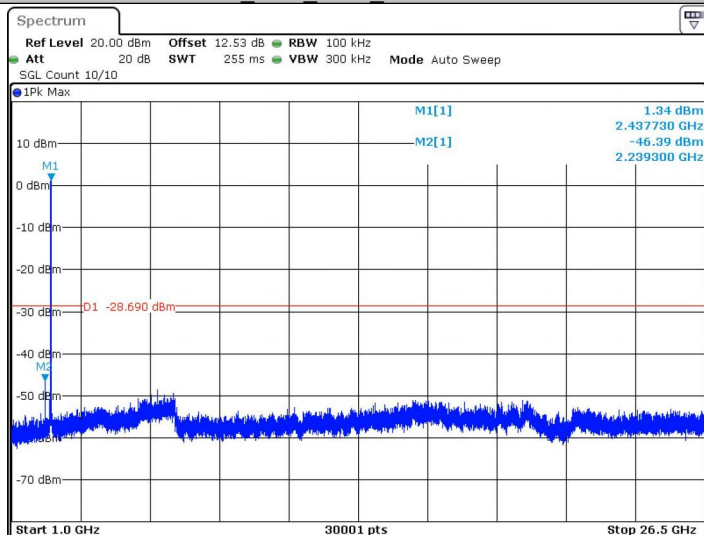
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

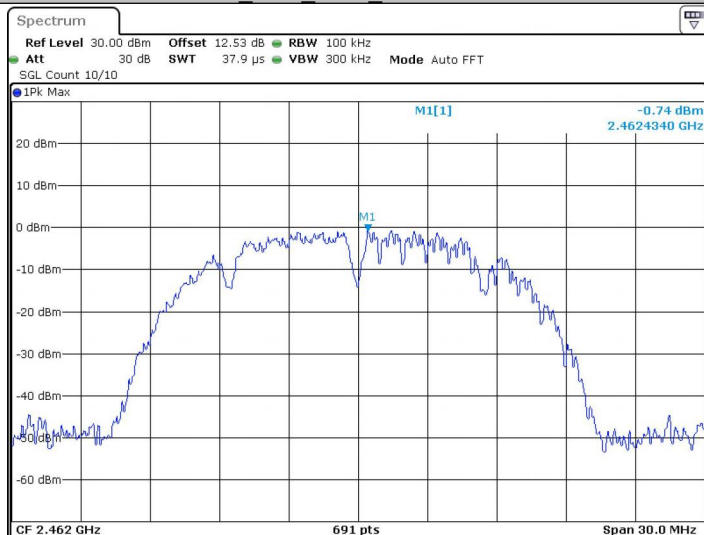


11B\_Ant1\_2437\_1000~26500



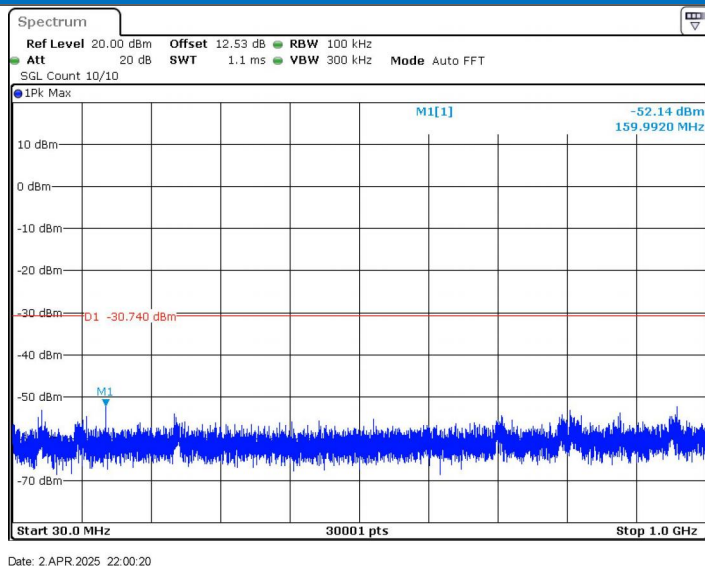
Date: 2 APR 2025 21:58:59

11B\_Ant1\_2462\_0~Reference

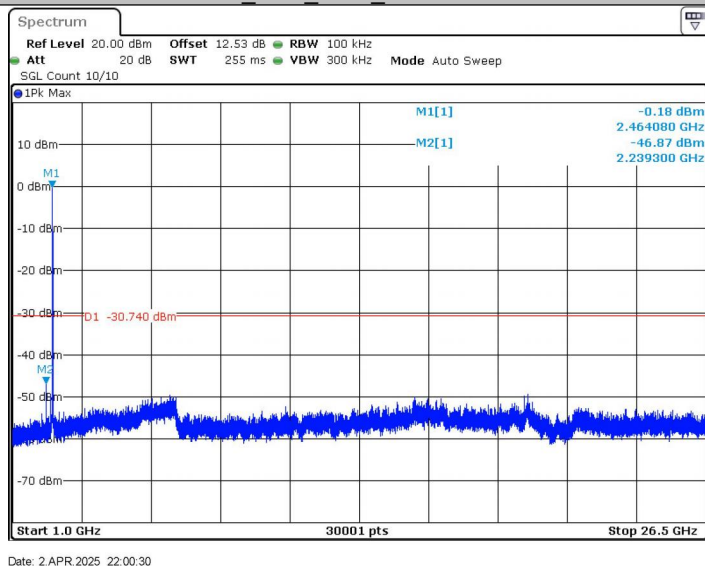


Date: 2 APR 2025 22:00:15

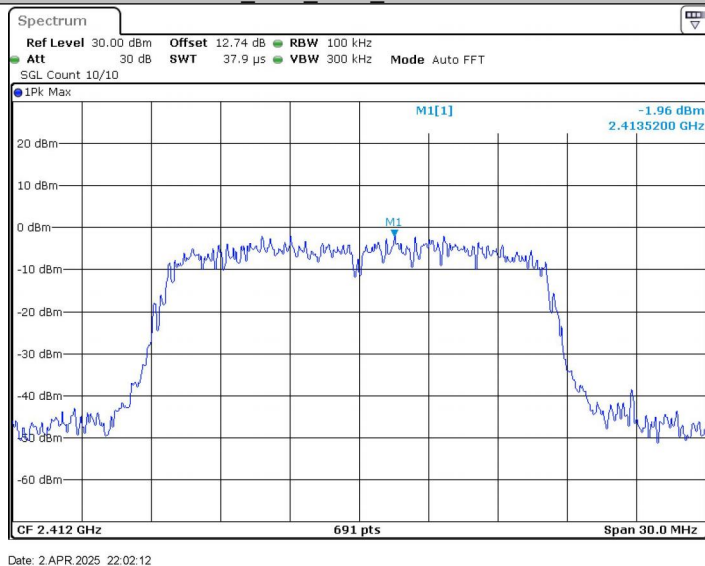
11B\_Ant1\_2462\_30~1000



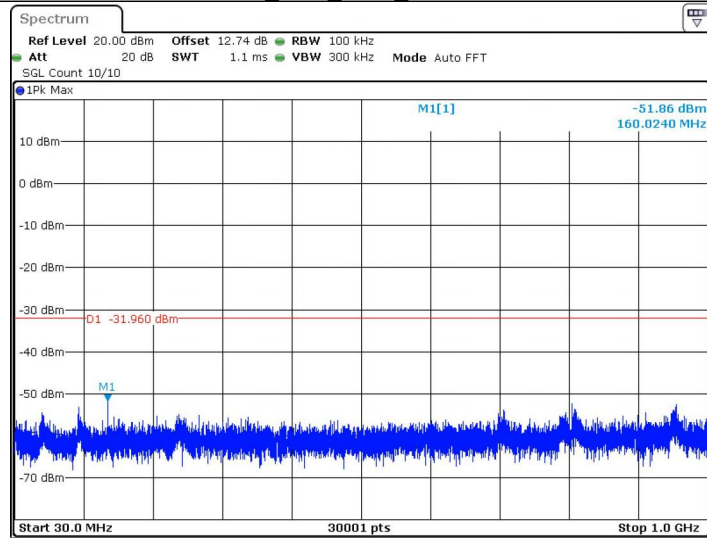
11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference

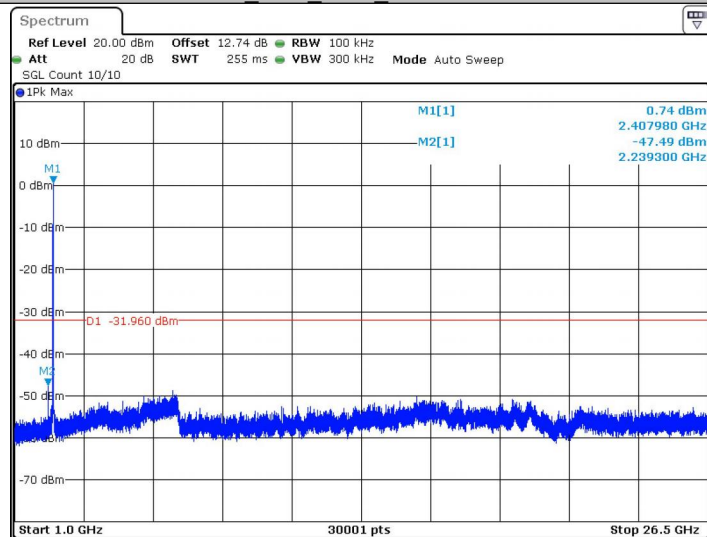


11G\_Ant1\_2412\_30~1000



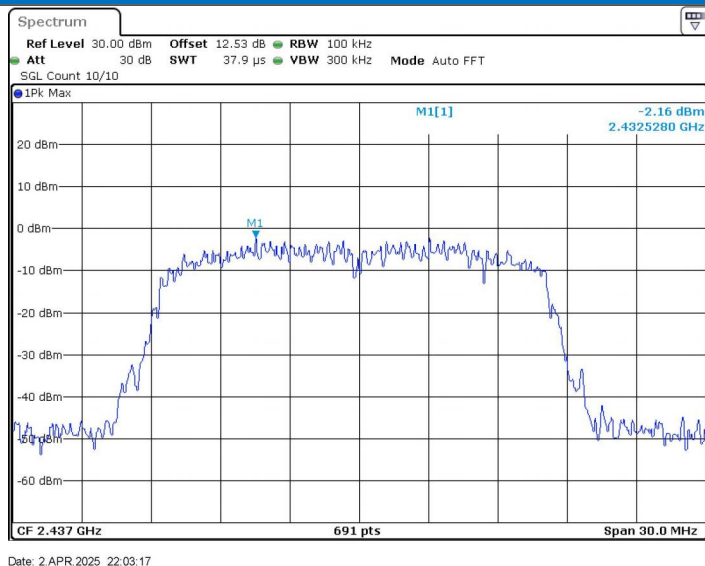
Date: 2 APR 2025 22:02:16

11G\_Ant1\_2412\_1000~26500

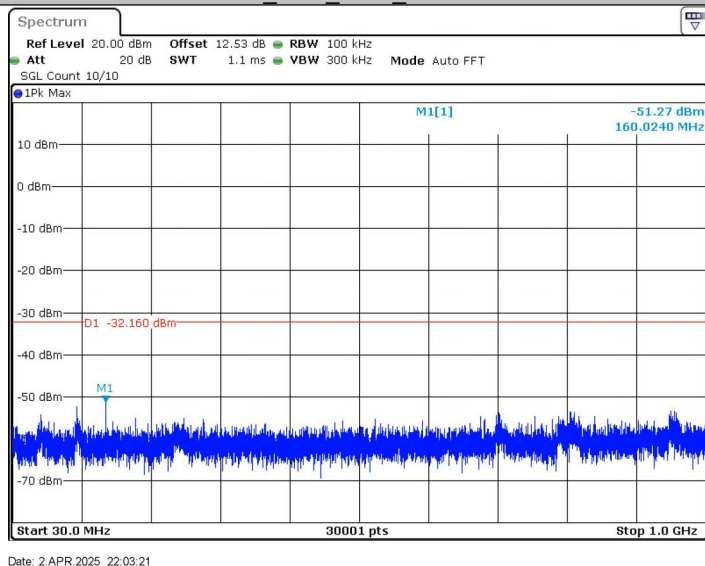


Date: 2 APR 2025 22:02:27

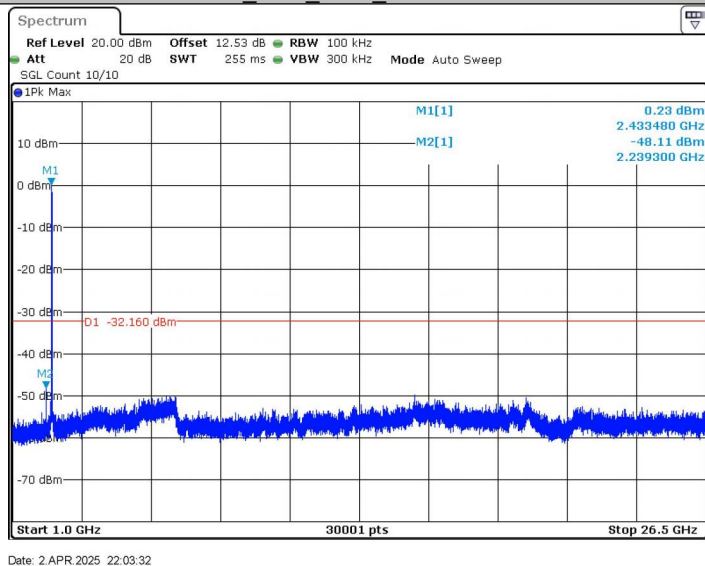
11G\_Ant1\_2437\_0~Reference



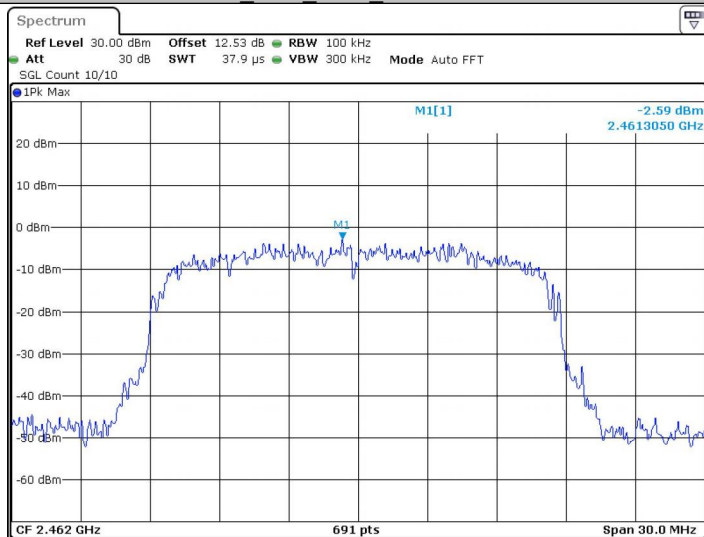
11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

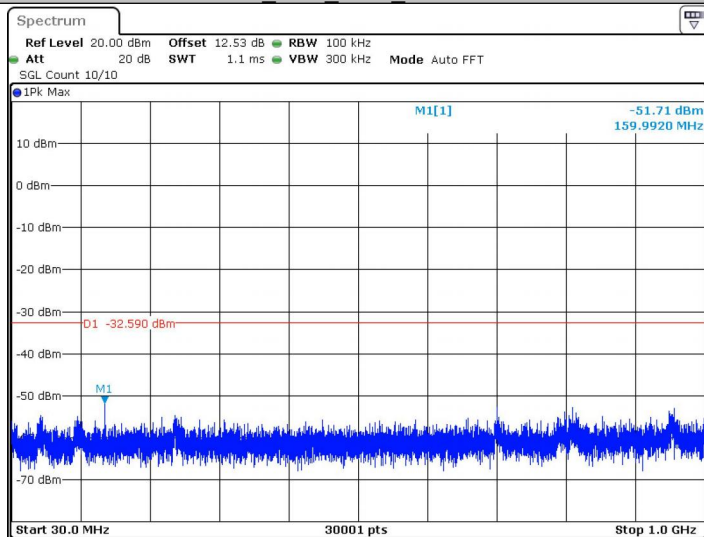


11G\_Ant1\_2462\_0~Reference



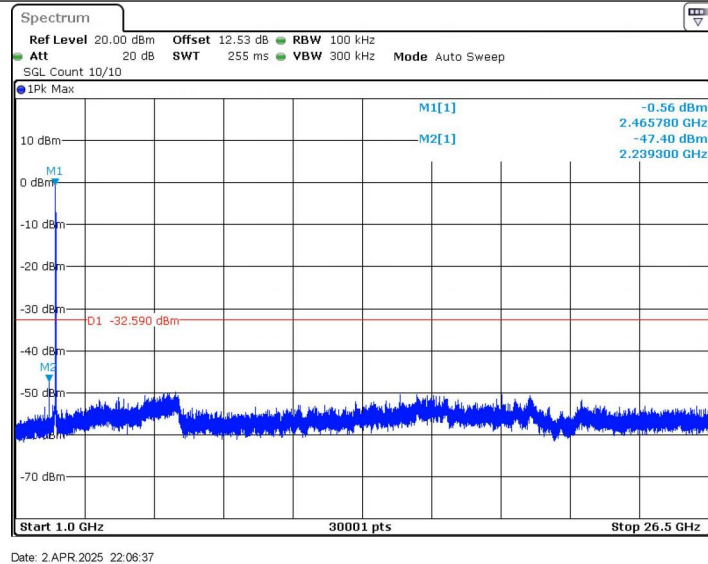
Date: 2 APR 2025 22:06:22

11G\_Ant1\_2462\_30~1000

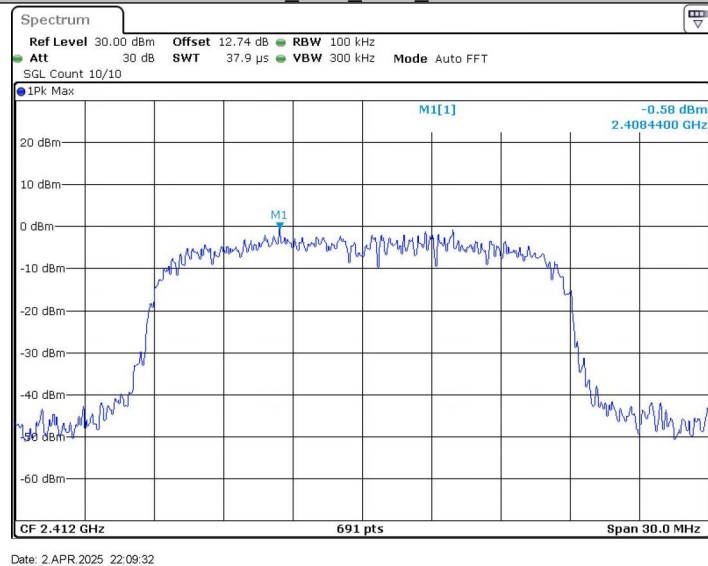


Date: 2 APR 2025 22:06:26

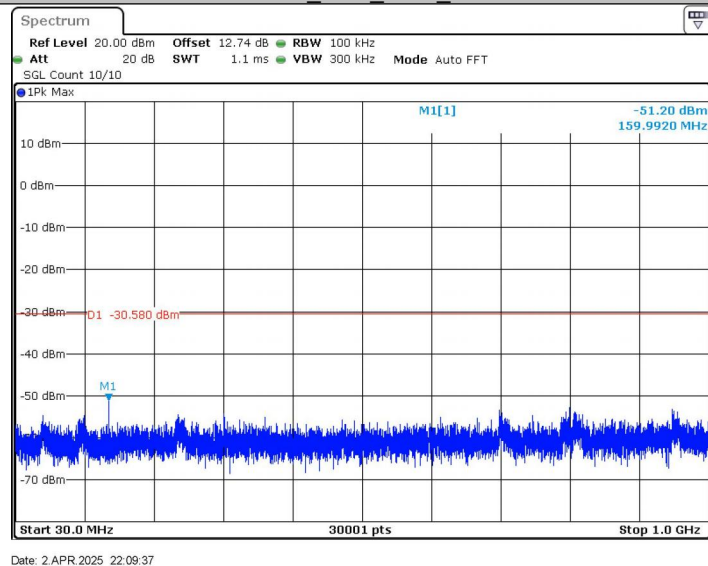
11G\_Ant1\_2462\_1000~26500



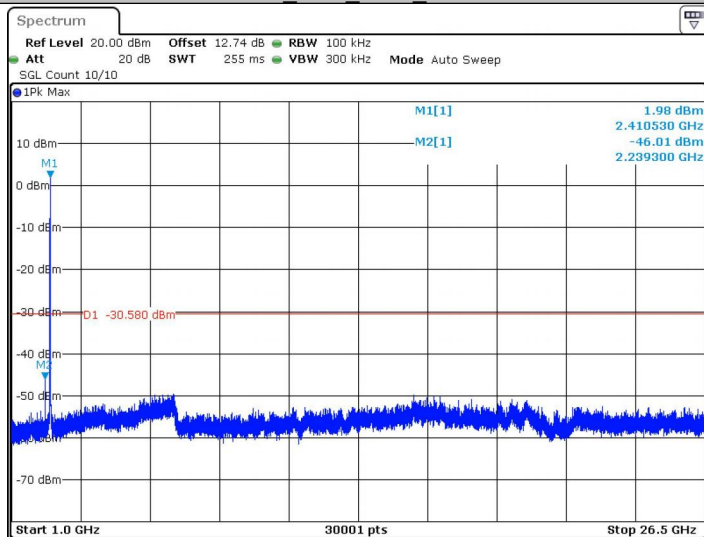
11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000

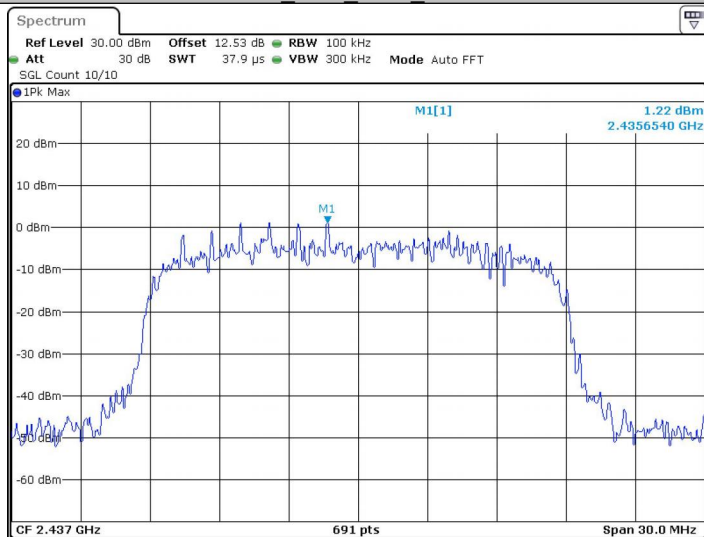


11N20SISO\_Ant1\_2412\_1000~26500



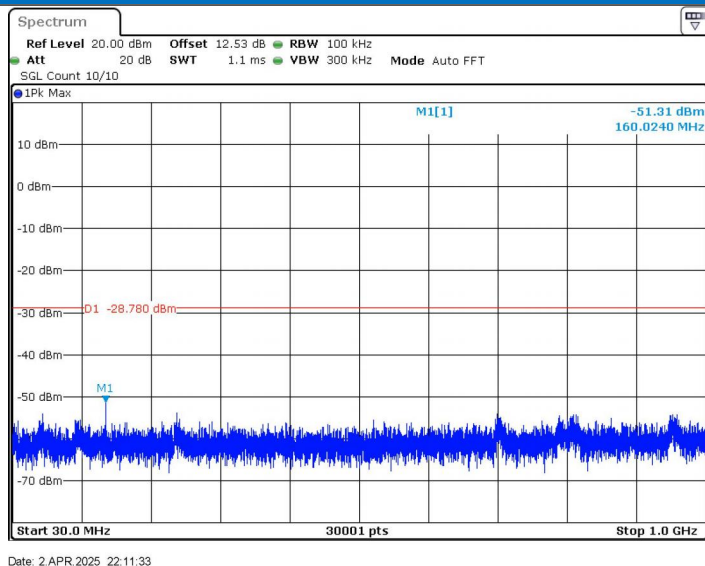
Date: 2 APR 2025 22:09:47

11N20SISO\_Ant1\_2437\_0~Reference

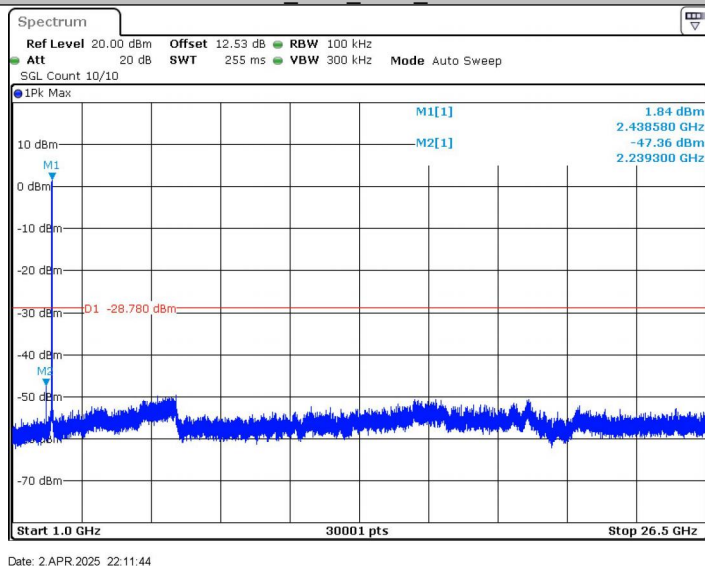


Date: 2 APR 2025 22:11:29

11N20SISO\_Ant1\_2437\_30~1000



11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference

