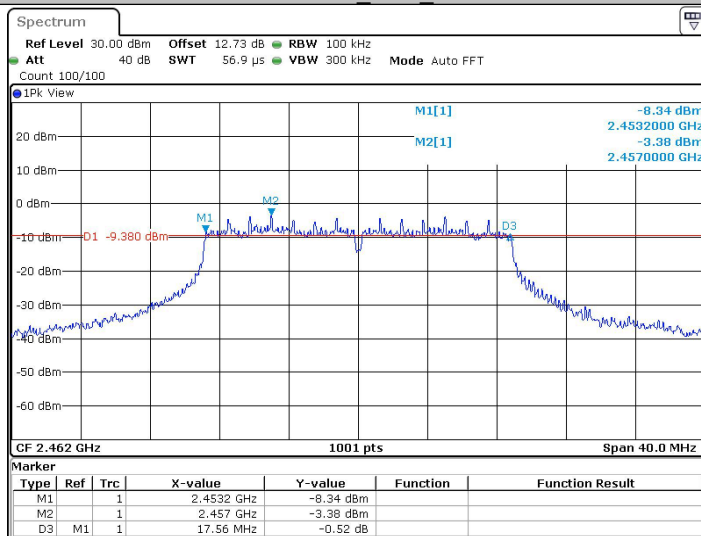
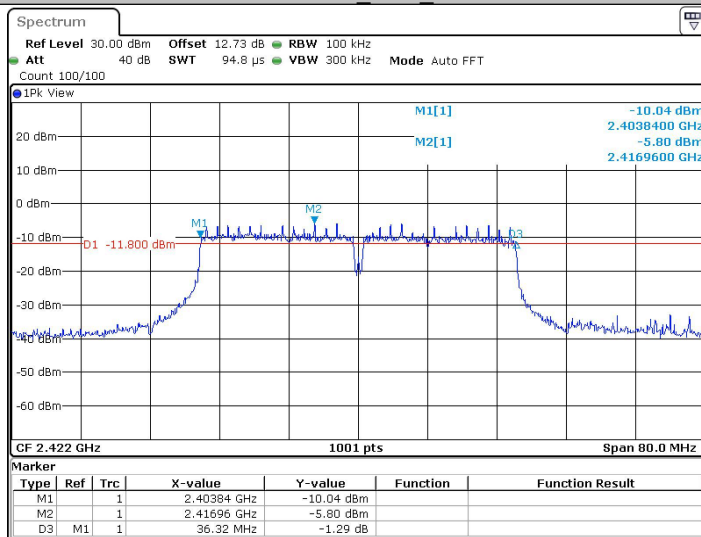


11N20SISO\_Ant1\_2462



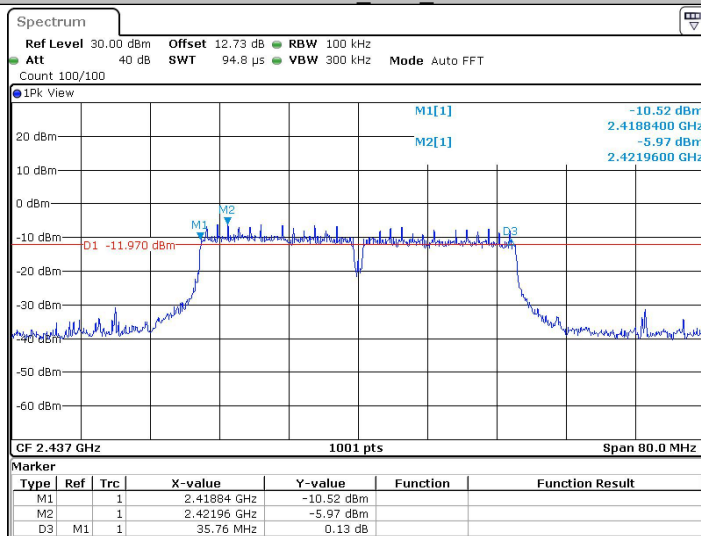
Date: 11.DEC.2023 13:47:38

11N40SISO\_Ant1\_2422



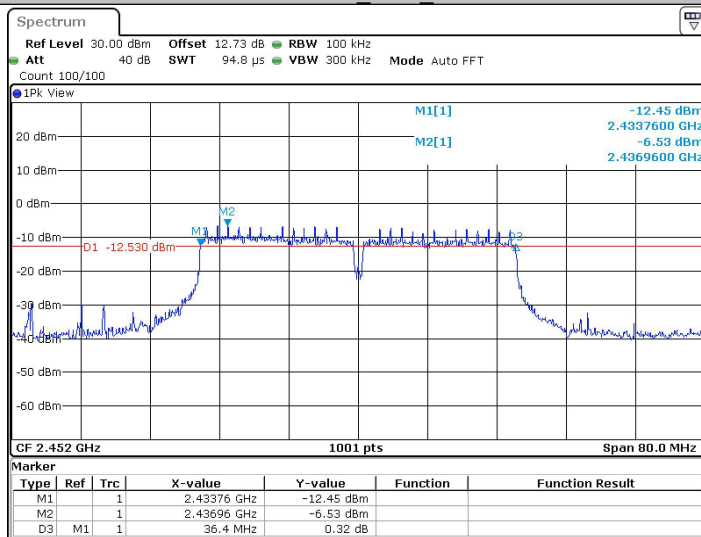
Date: 11.DEC.2023 13:49:57

11N40SISO\_Ant1\_2437



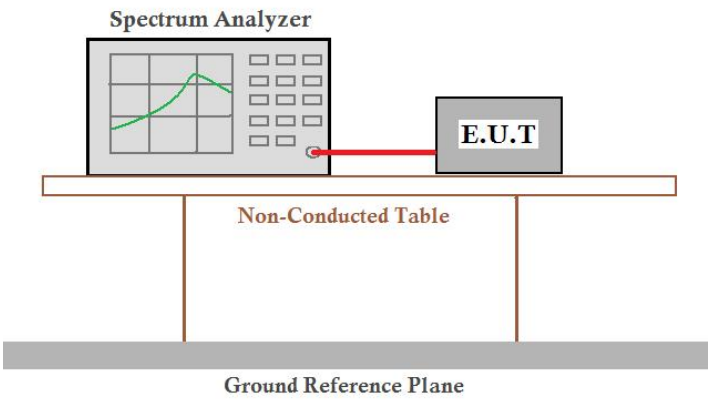
Date: 11.DEC.2023 13:51:52

11N40SISO\_Ant1\_2452



Date: 11.DEC.2023 13:54:10

## 5.5 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                                                                                                                            |

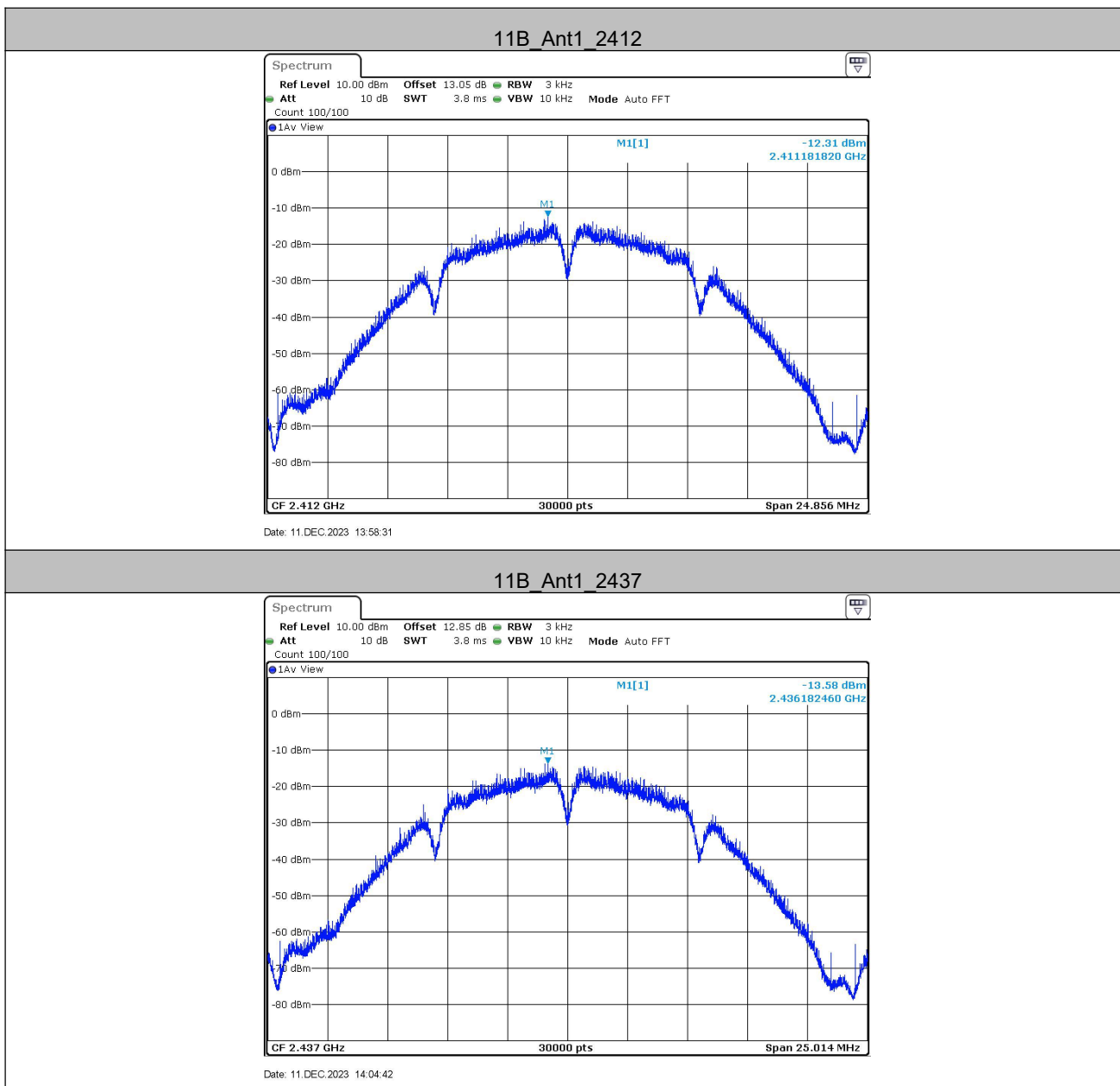
## Test Result

| TestMode  | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|----------------|----------------------|-----------------|---------|
| 11B       | 2412           | -12.31               | ≤8.00           | PASS    |
|           | 2437           | -13.58               | ≤8.00           | PASS    |
|           | 2462           | -14.76               | ≤8.00           | PASS    |
| 11G       | 2412           | -23.2                | ≤8.00           | PASS    |
|           | 2437           | -23.1                | ≤8.00           | PASS    |
|           | 2462           | -23.46               | ≤8.00           | PASS    |
| 11N20SISO | 2412           | -22.86               | ≤8.00           | PASS    |
|           | 2437           | -24.28               | ≤8.00           | PASS    |
|           | 2462           | -24.85               | ≤8.00           | PASS    |
| 11N40SISO | 2422           | -23.46               | ≤8.00           | PASS    |
|           | 2437           | -23.58               | ≤8.00           | PASS    |
|           | 2452           | -24.65               | ≤8.00           | PASS    |

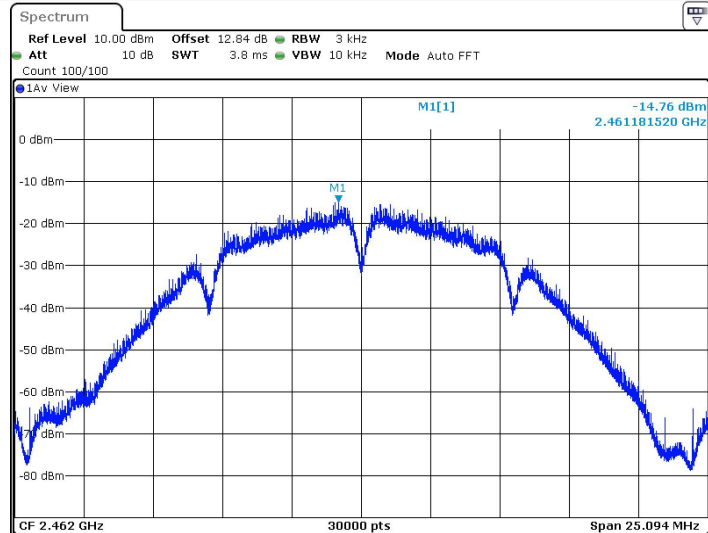
Note:

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

## Test Graphs

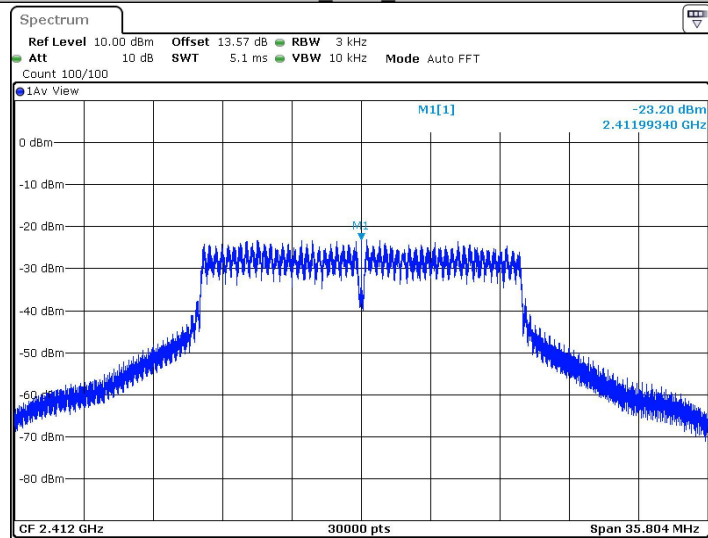


11B\_Ant1\_2462



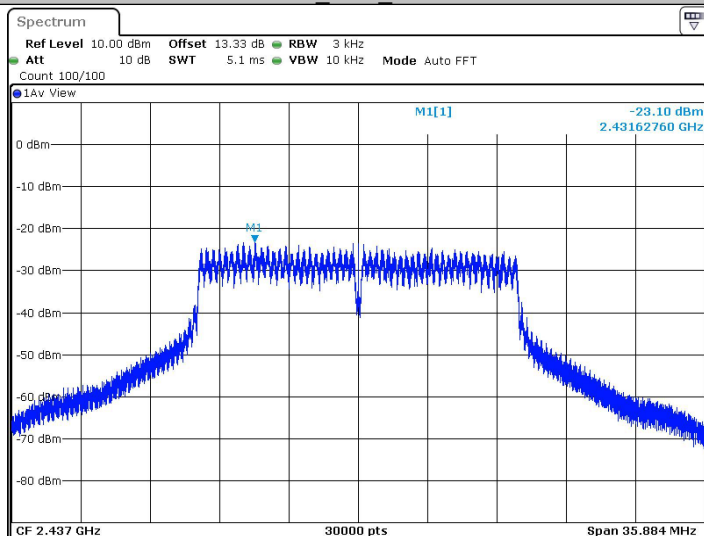
Date: 11.DEC.2023 14:02:40

11G\_Ant1\_2412



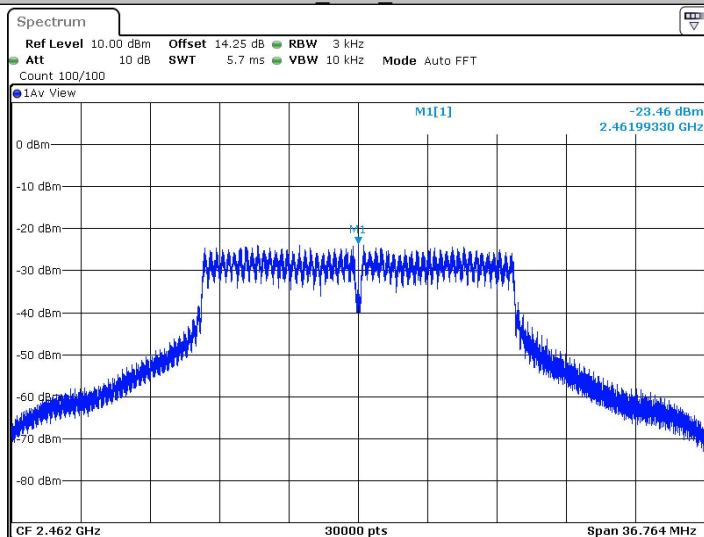
Date: 11.DEC.2023 13:35:49

11G\_Ant1\_2437



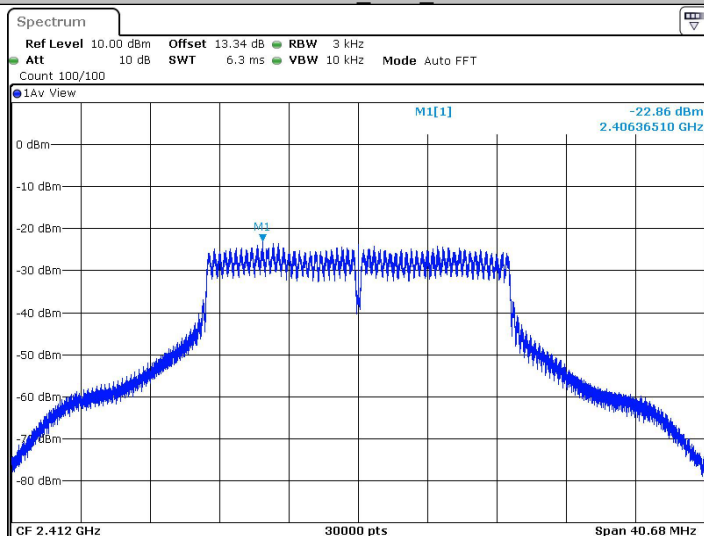
Date: 11.DEC.2023 13:37:50

11G\_Ant1\_2462



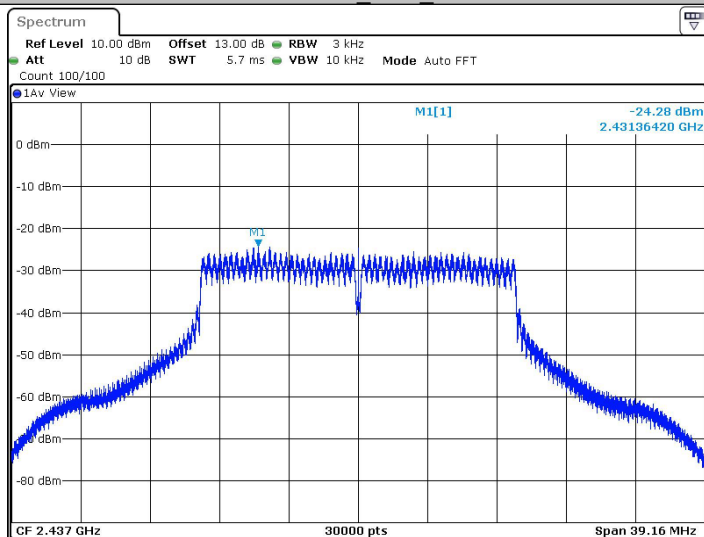
Date: 11.DEC.2023 13:39:22

11N20SISO\_Ant1\_2412



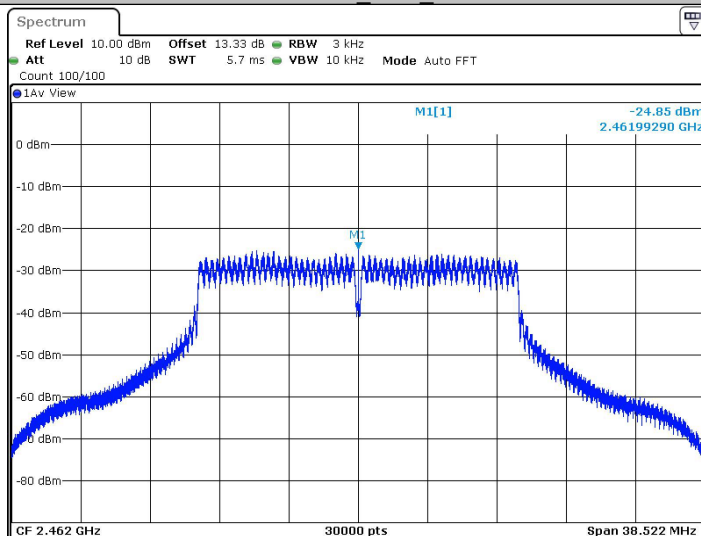
Date: 11.DEC.2023 13:43:57

11N20SISO\_Ant1\_2437



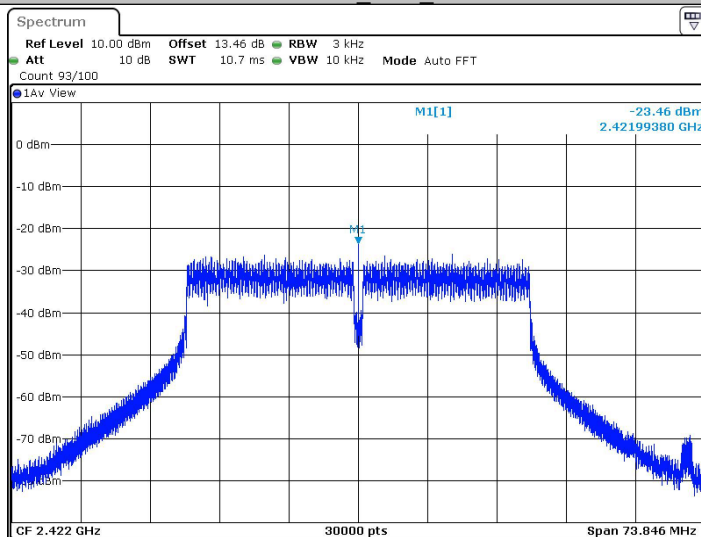
Date: 11.DEC.2023 13:46:08

11N20SISO\_Ant1\_2462



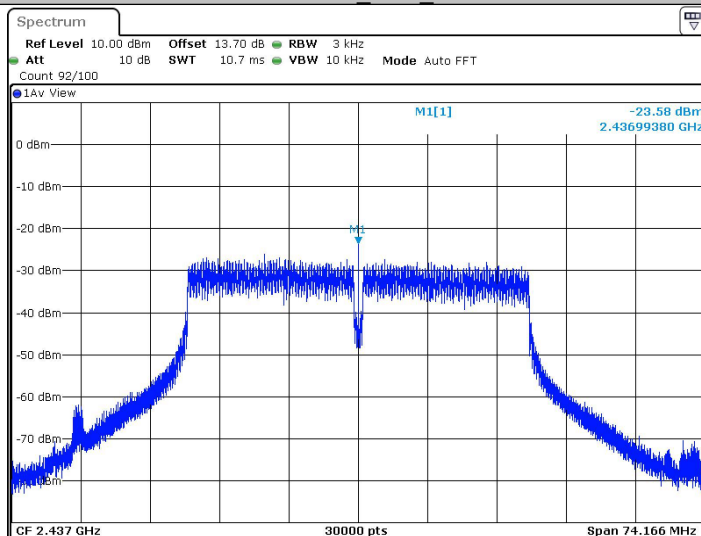
Date: 11.DEC.2023 13:47:59

11N40SISO\_Ant1\_2422



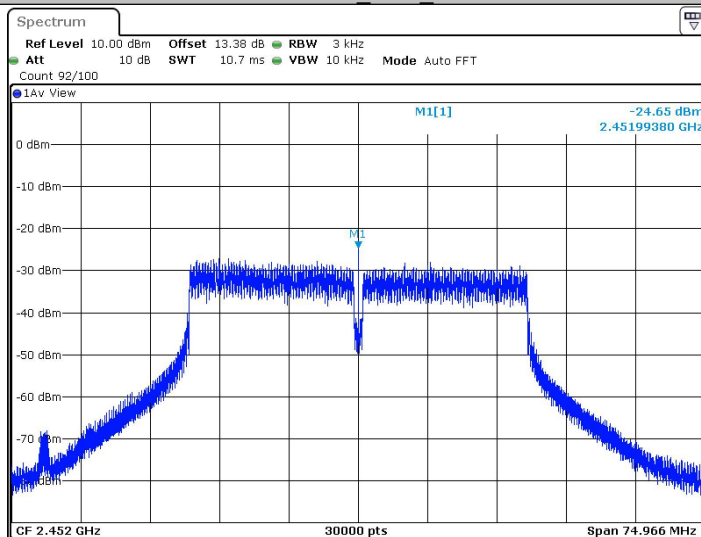
Date: 11.DEC.2023 13:50:19

11N40SISO\_Ant1\_2437



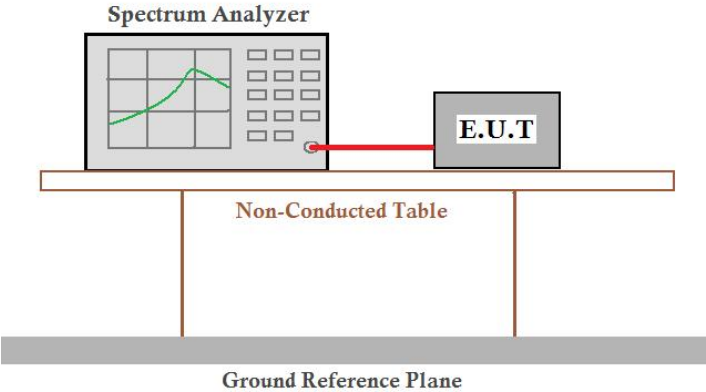
Date: 11.DEC.2023 13:52:14

11N40SISO\_Ant1\_2452



Date: 11.DEC.2023 13:54:32

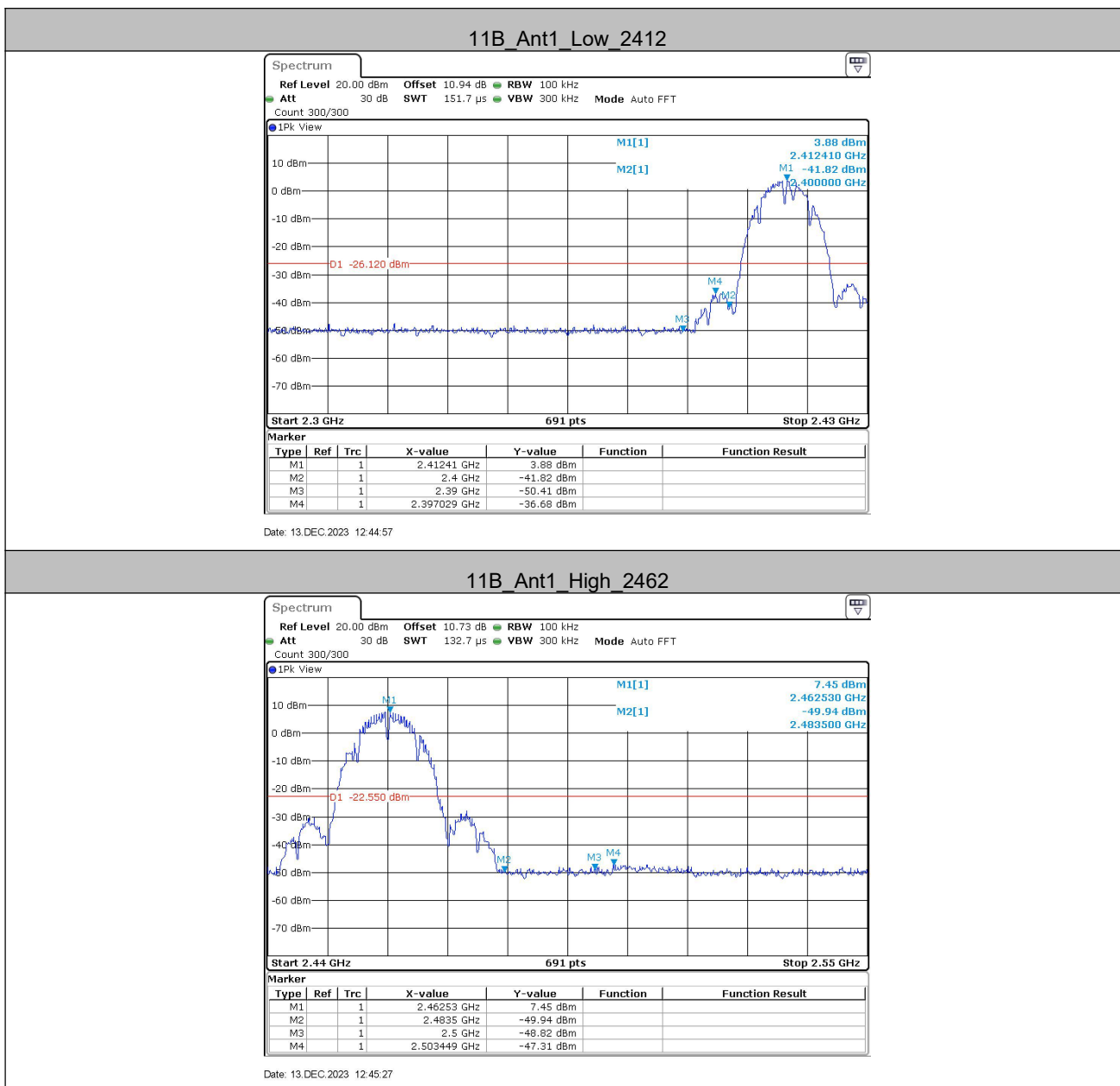
## 5.6 Band-edge for RF Conducted Emissions

|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 20 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                                                                                                                                                                                                                                                                                                                                                                                    |

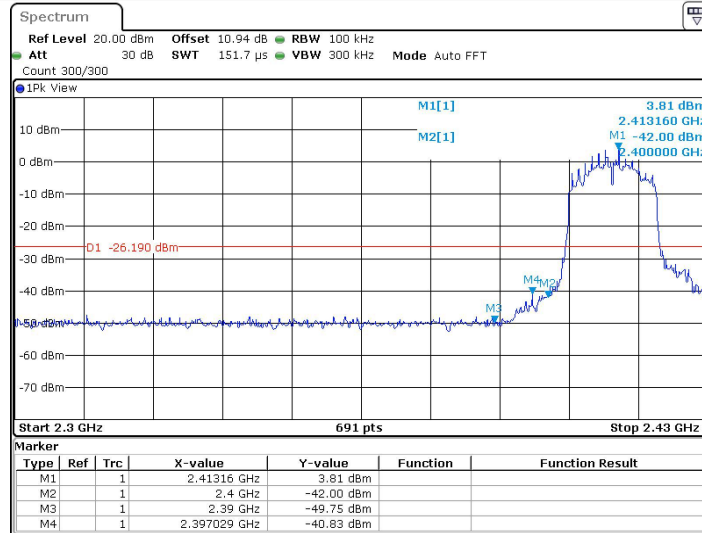
**Test Result**

| TestMode  | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|--------|----------------|---------------|-------------|---------------|---------|
| 11B       | Low    | 2412           | 3.88          | -36.68      | $\leq -26.12$ | PASS    |
|           | High   | 2462           | 7.45          | -47.31      | $\leq -22.55$ | PASS    |
| 11G       | Low    | 2412           | 3.81          | -40.83      | $\leq -26.19$ | PASS    |
|           | High   | 2462           | 6.98          | -39.96      | $\leq -23.02$ | PASS    |
| 11N20SISO | Low    | 2412           | 3.68          | -37.57      | $\leq -26.32$ | PASS    |
|           | High   | 2462           | 6.64          | -43.98      | $\leq -23.36$ | PASS    |
| 11N40SISO | Low    | 2422           | 0.63          | -37.55      | $\leq -29.37$ | PASS    |
|           | High   | 2452           | 2.16          | -32.4       | $\leq -27.84$ | PASS    |

## 5.6.1 Test Graphs

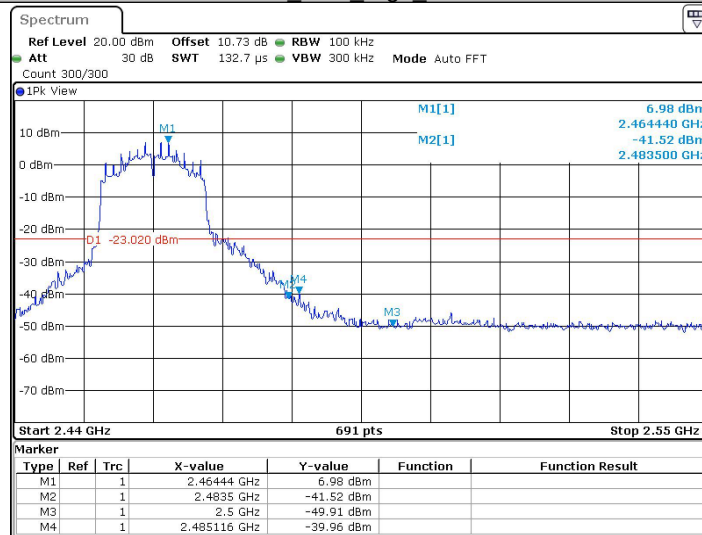


11G\_Ant1\_Low\_2412



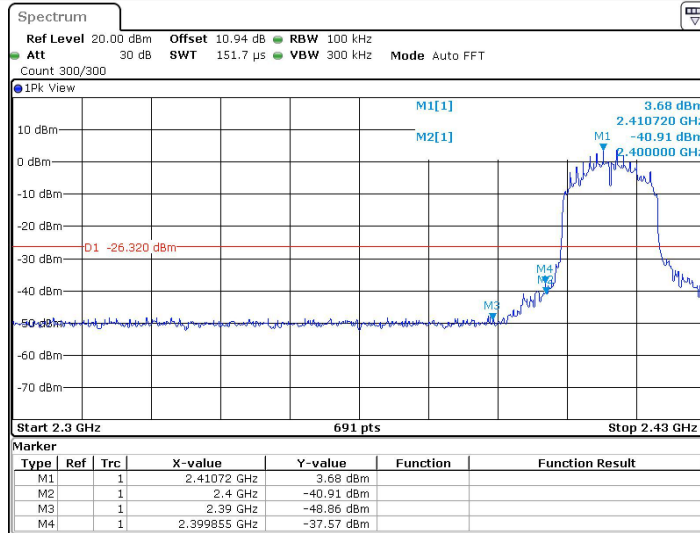
Date: 13 DEC. 2023 12:45:57

11G\_Ant1\_High\_2462



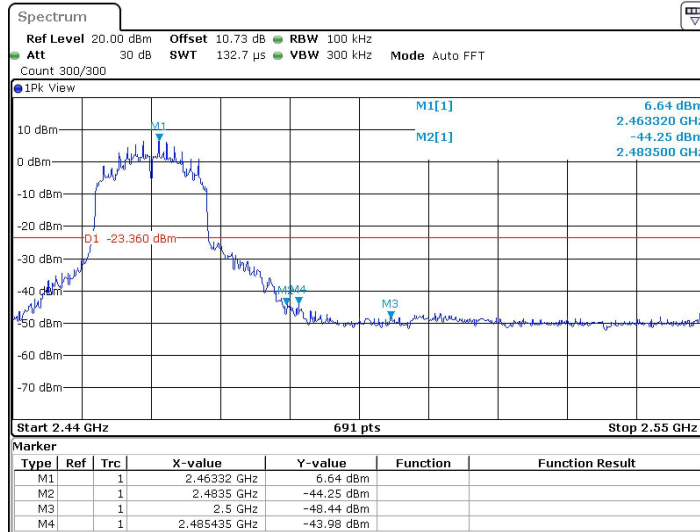
Date: 13 DEC. 2023 12:46:25

11N20SISO\_Ant1\_Low\_2412



Date: 13 DEC 2023 12:46:46

11N20SISO\_Ant1\_High\_2462



Date: 13 DEC 2023 12:47:08