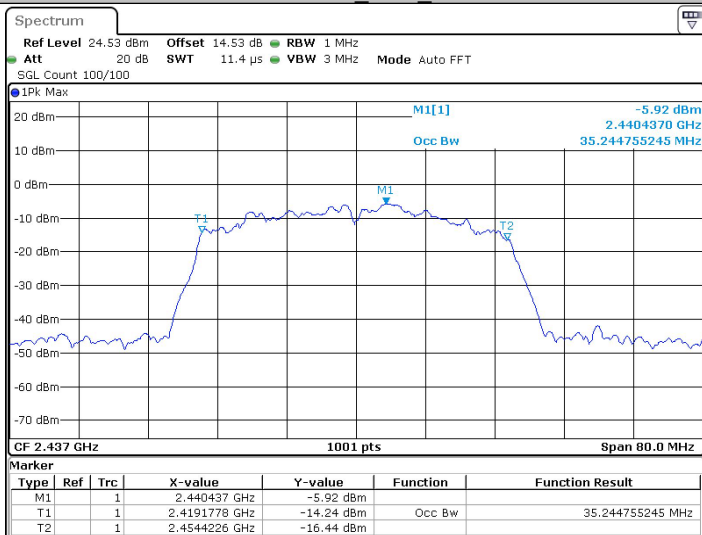
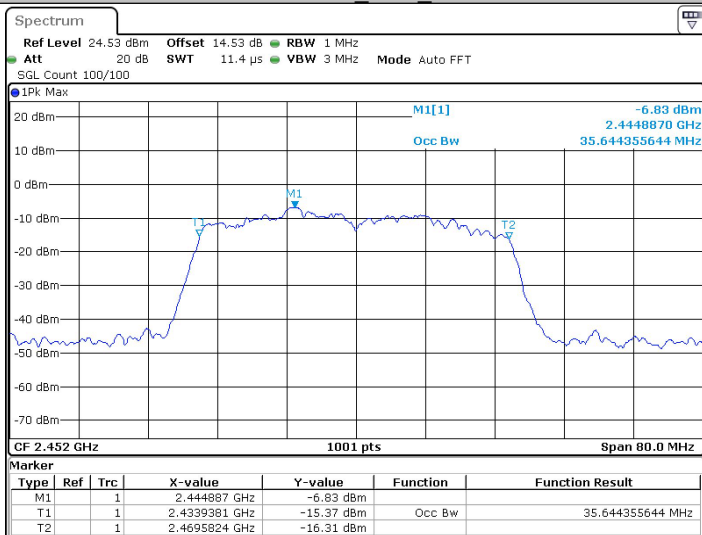


11N40SISO\_Ant1\_2437



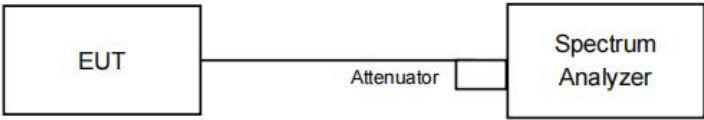
Date: 15 MAY 2025 21:46:03

11N40SISO\_Ant1\_2452



Date: 15 MAY 2025 21:47:31

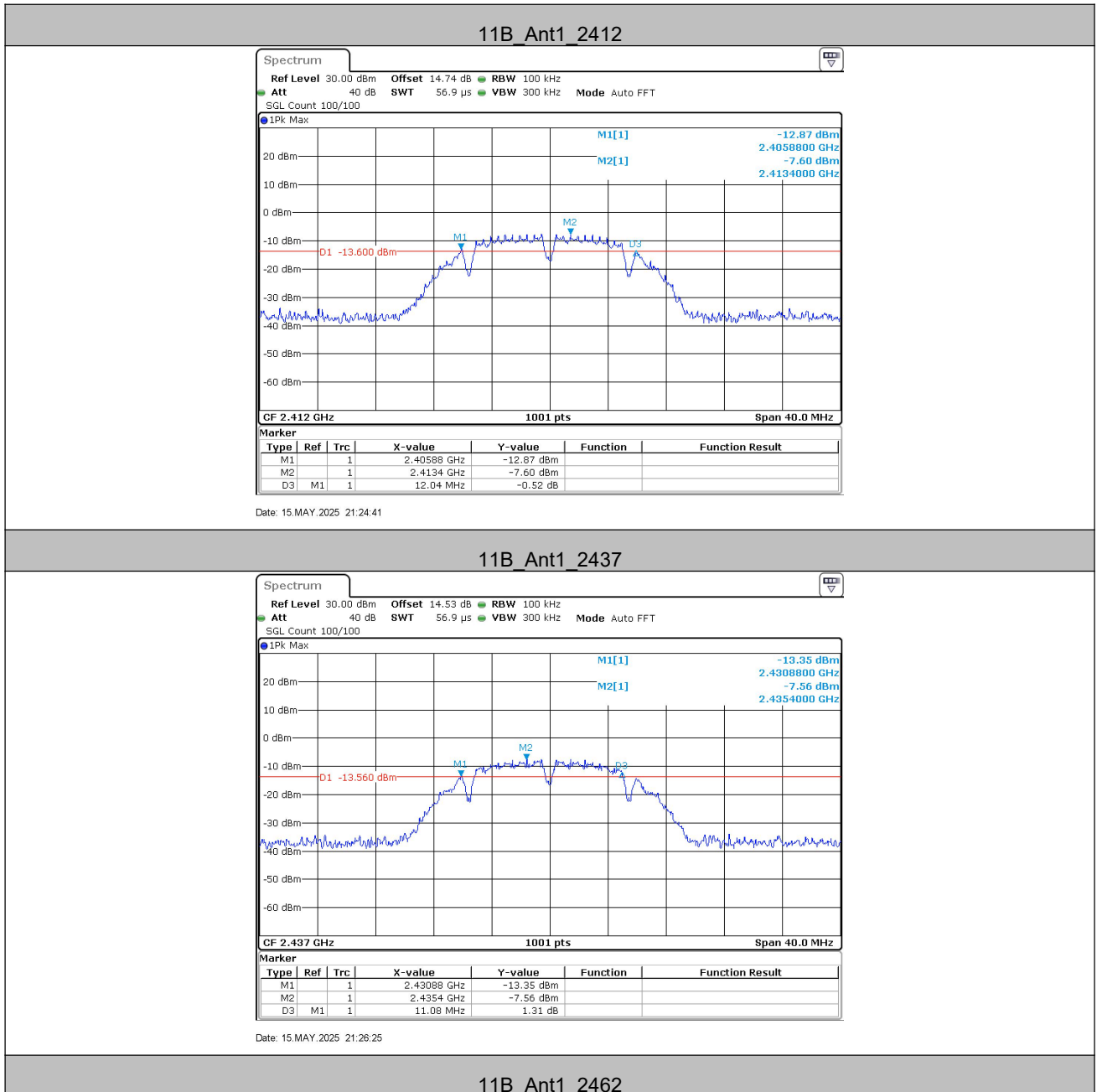
## 5.5 6dB Occupied Bandwidth

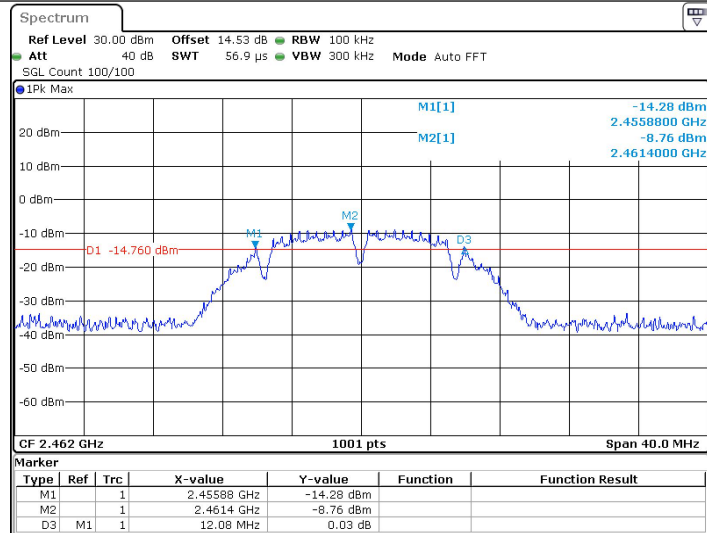
|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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    | 11.08        | 0.5        | PASS    |
|           |         | 2462    | 12.08        | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 15.04        | 0.5        | PASS    |
|           |         | 2437    | 15.36        | 0.5        | PASS    |
|           |         | 2462    | 15.08        | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412    | 11.32        | 0.5        | PASS    |
|           |         | 2437    | 15.00        | 0.5        | PASS    |
|           |         | 2462    | 12.28        | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422    | 32.56        | 0.5        | PASS    |
|           |         | 2437    | 28.80        | 0.5        | PASS    |
|           |         | 2452    | 31.36        | 0.5        | PASS    |

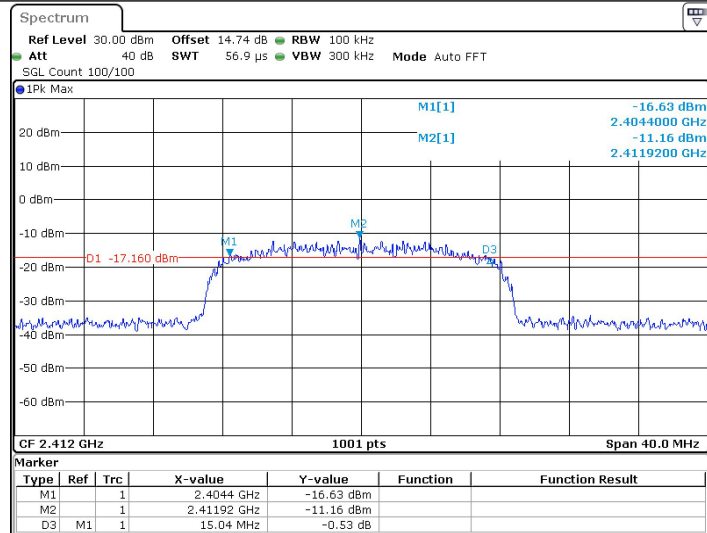
## Test Graphs





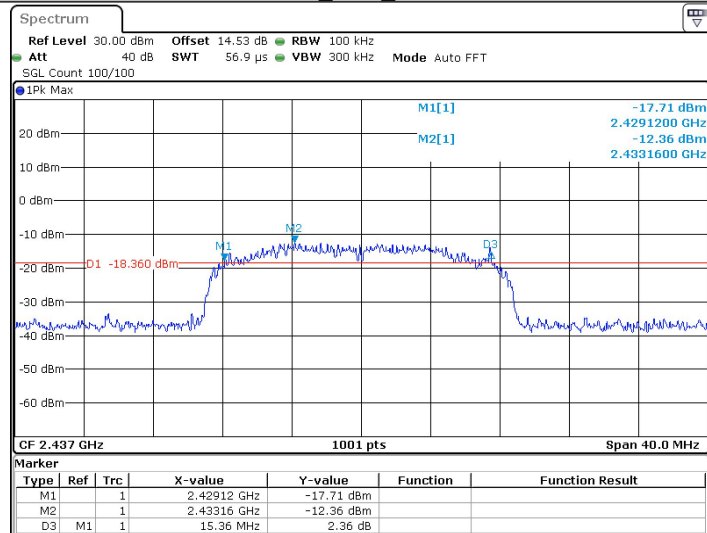
Date: 15.MAY.2025 21:27:40

### 11G\_Ant1\_2412



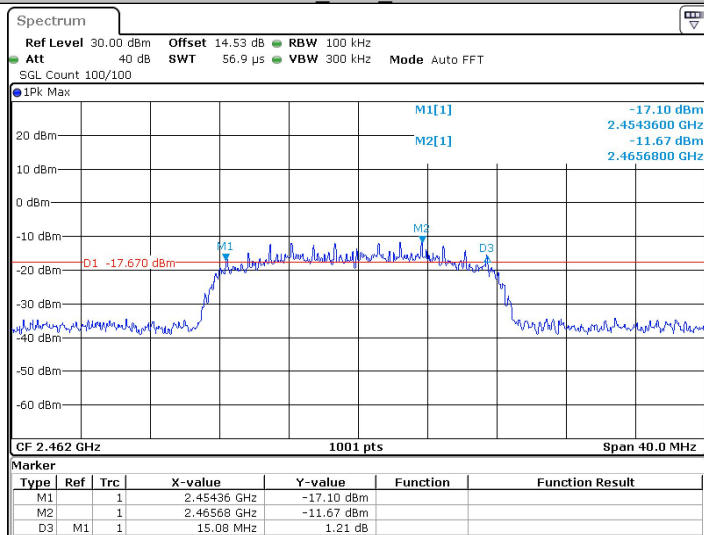
Date: 15.MAY.2025 21:29:37

### 11G\_Ant1\_2437



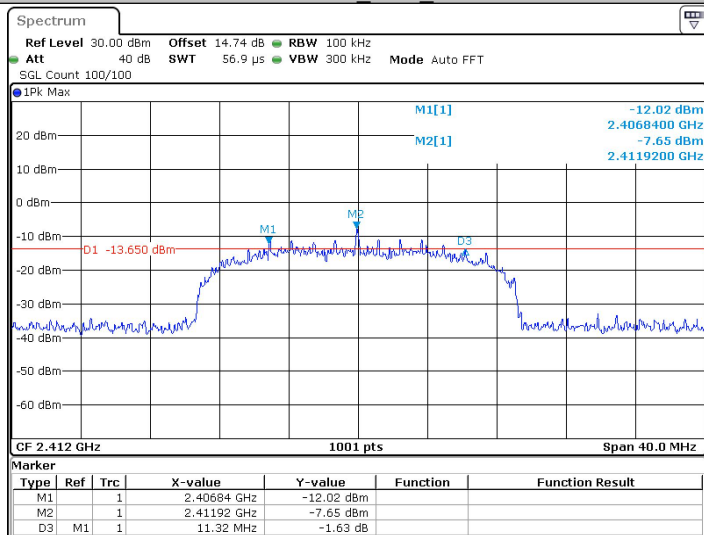
Date: 15.MAY.2025 21:31:56

11G\_Ant1\_2462



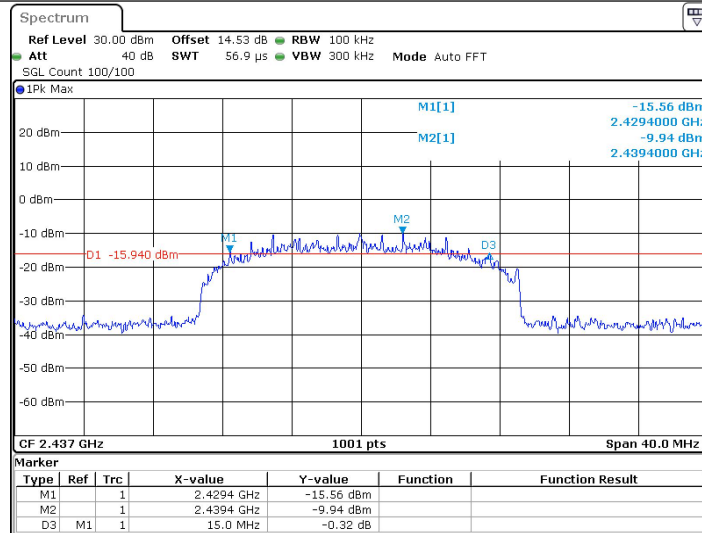
Date: 15 MAY 2025 21:32:59

11N20SISO\_Ant1\_2412



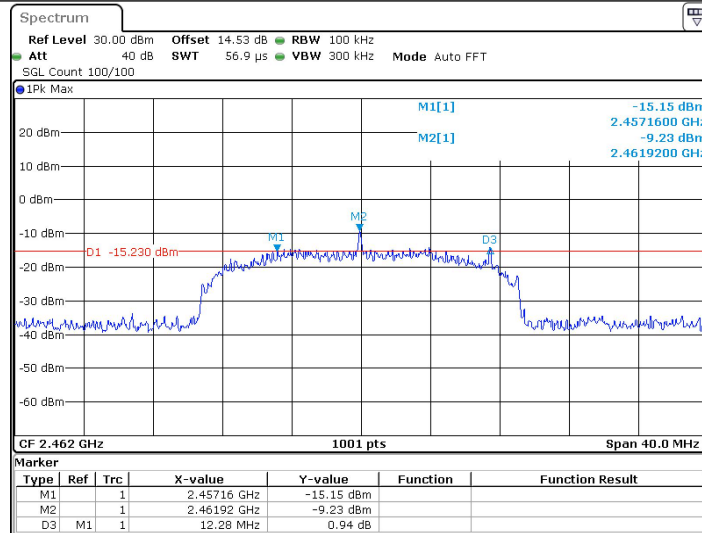
Date: 15 MAY 2025 21:34:27

11N20SISO\_Ant1\_2437



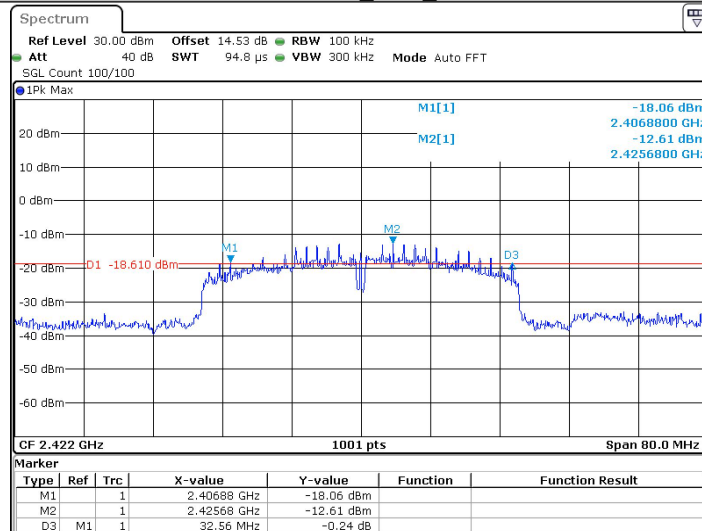
Date: 15.MAY.2025 21:36:35

### 11N20SISO\_Ant1\_2462



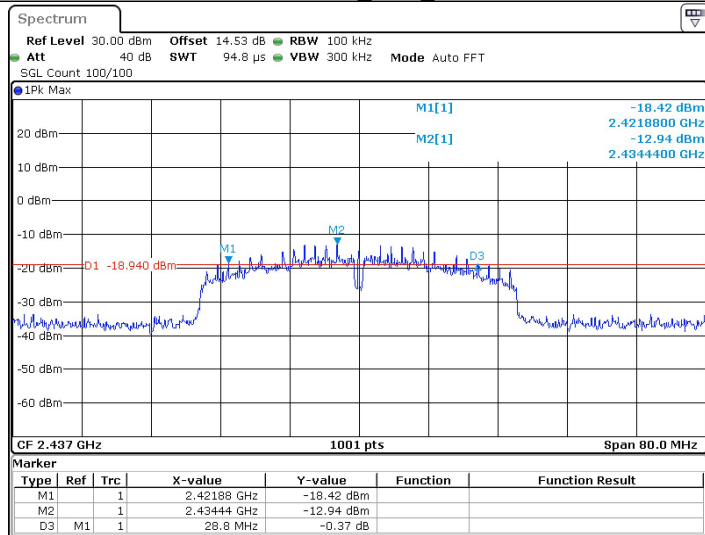
Date: 15.MAY.2025 21:37:47

### 11N40SISO\_Ant1\_2422



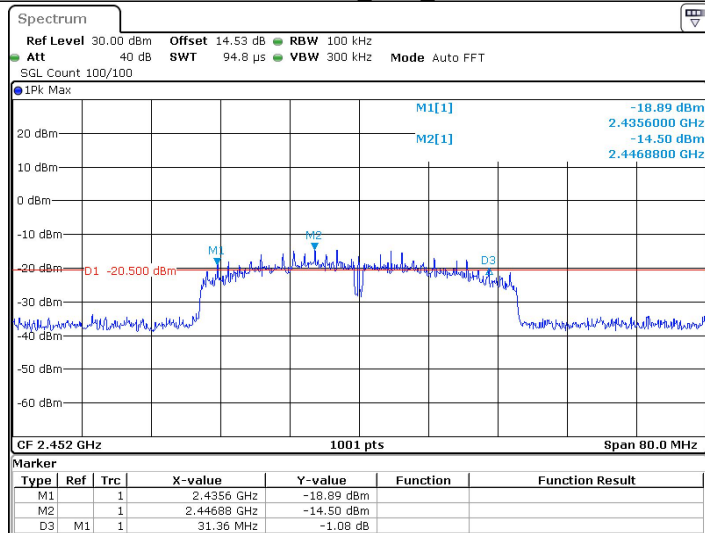
Date: 15.MAY.2025 21:40:16

11N40SISO\_Ant1\_2437



Date: 15 MAY 2025 21:45:58

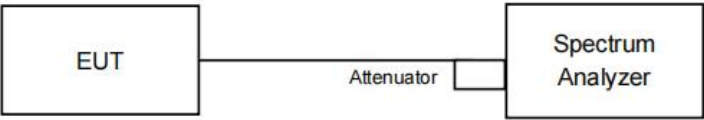
11N40SISO\_Ant1\_2452



Date: 15 MAY 2025 21:47:26



## 5.6 Power Spectral Density

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

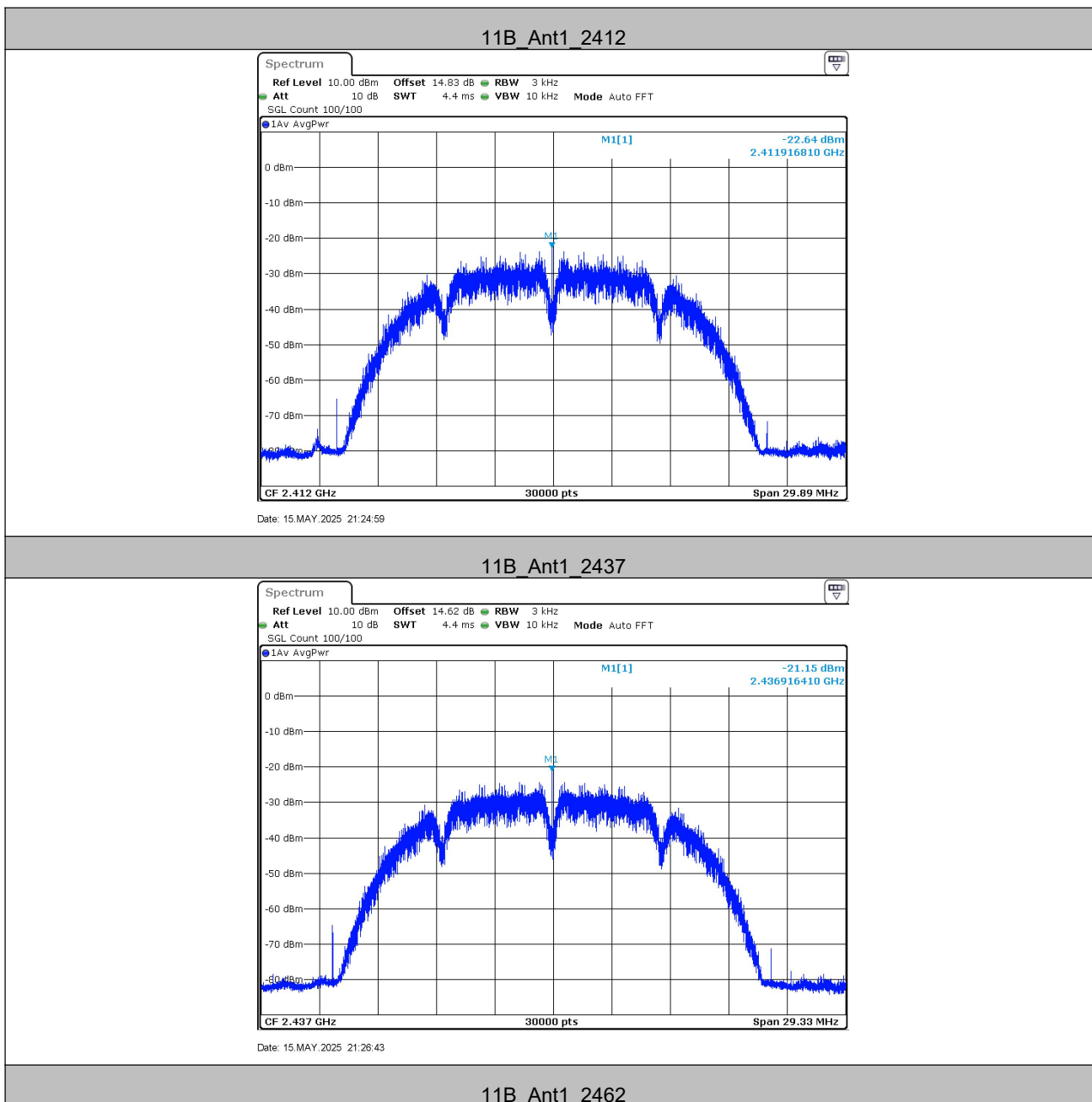
## Test Result

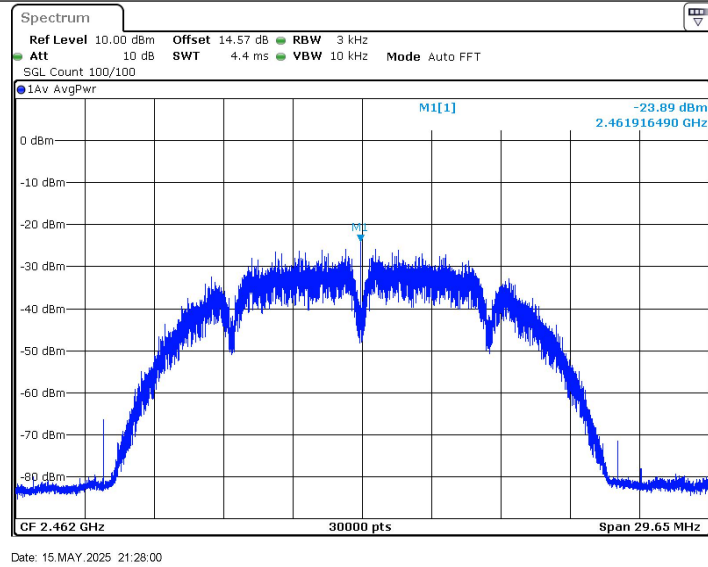
| TestMode  | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|----------------|------------------|-----------------|---------|
| 11B       | 2412           | -22.64           | ≤8.00           | PASS    |
|           | 2437           | -21.15           | ≤8.00           | PASS    |
|           | 2462           | -23.89           | ≤8.00           | PASS    |
| 11G       | 2412           | -18.03           | ≤8.00           | PASS    |
|           | 2437           | -17.20           | ≤8.00           | PASS    |
|           | 2462           | -18.91           | ≤8.00           | PASS    |
| 11N20SISO | 2412           | -17.53           | ≤8.00           | PASS    |
|           | 2437           | -17.16           | ≤8.00           | PASS    |
|           | 2462           | -19.10           | ≤8.00           | PASS    |
| 11N40SISO | 2422           | -19.17           | ≤8.00           | PASS    |
|           | 2437           | -17.57           | ≤8.00           | PASS    |
|           | 2452           | -19.70           | ≤8.00           | PASS    |

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

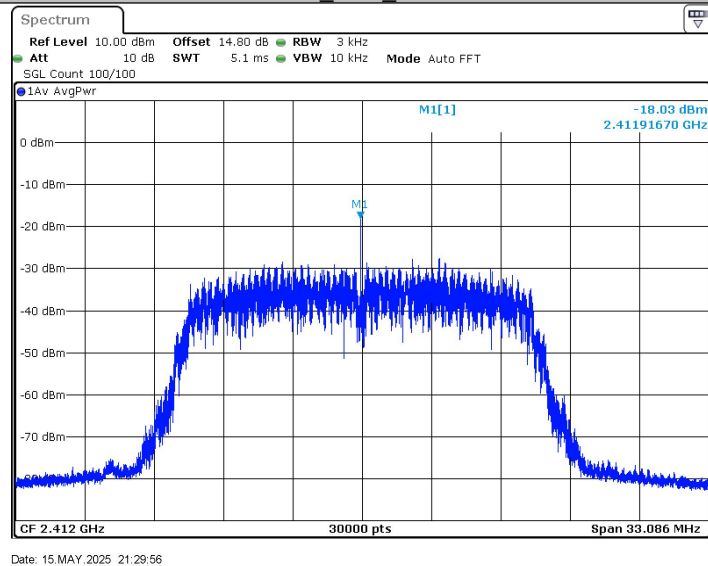
When Duty cycle >98%, D.C.F is not required.

## Test Graphs

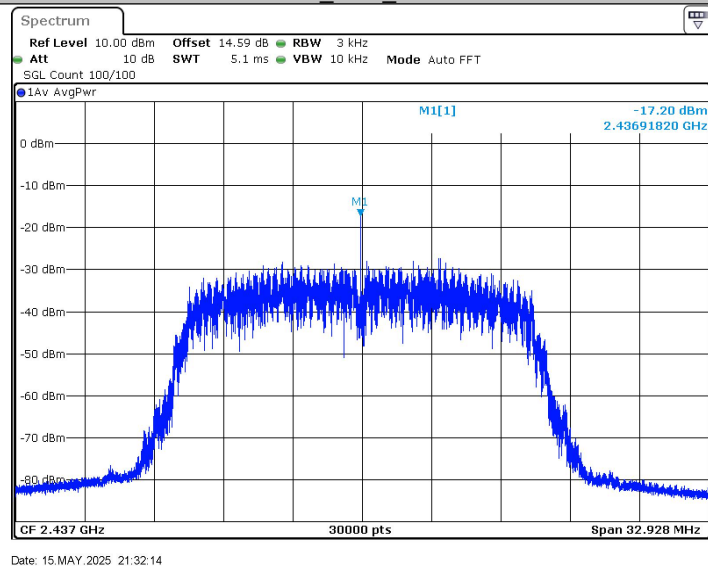




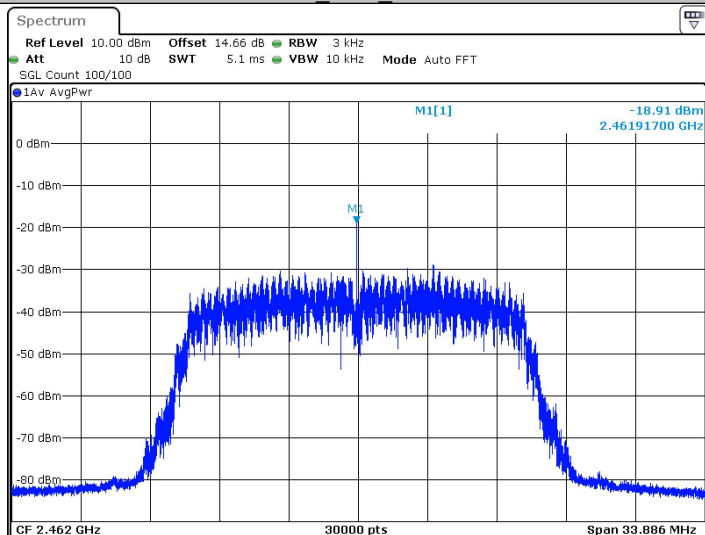
11G\_Ant1\_2412



11G\_Ant1\_2437

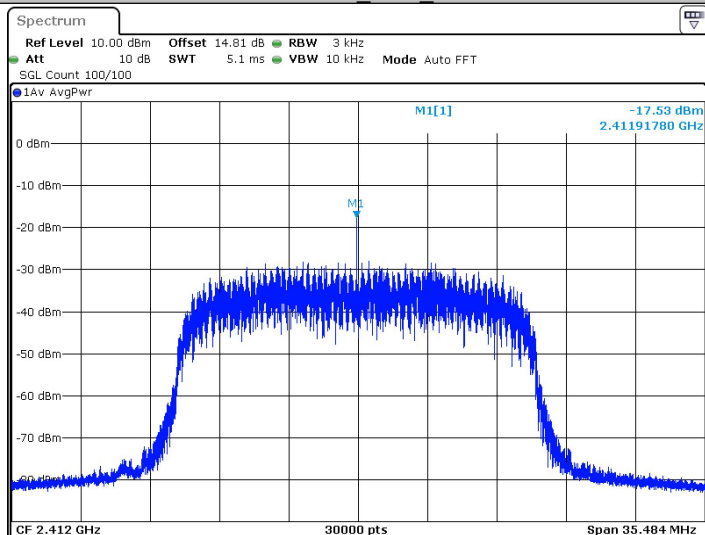


11G\_Ant1\_2462



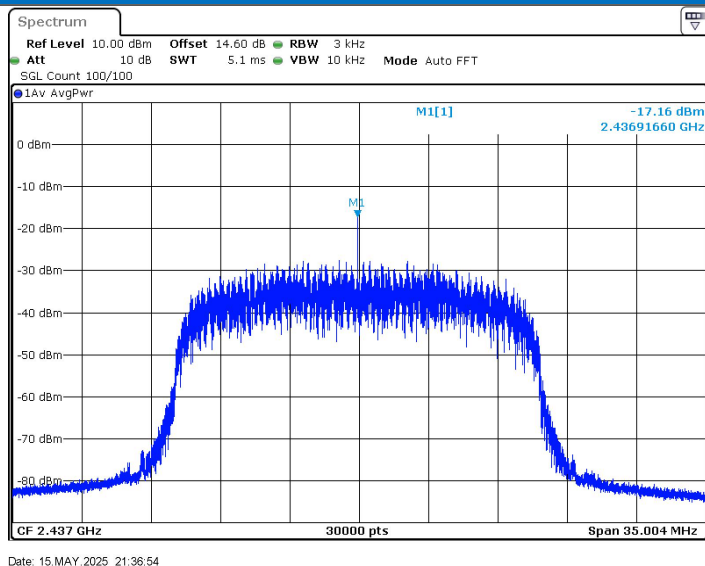
Date: 15 MAY 2025 21:33:17

11N20SISO\_Ant1\_2412

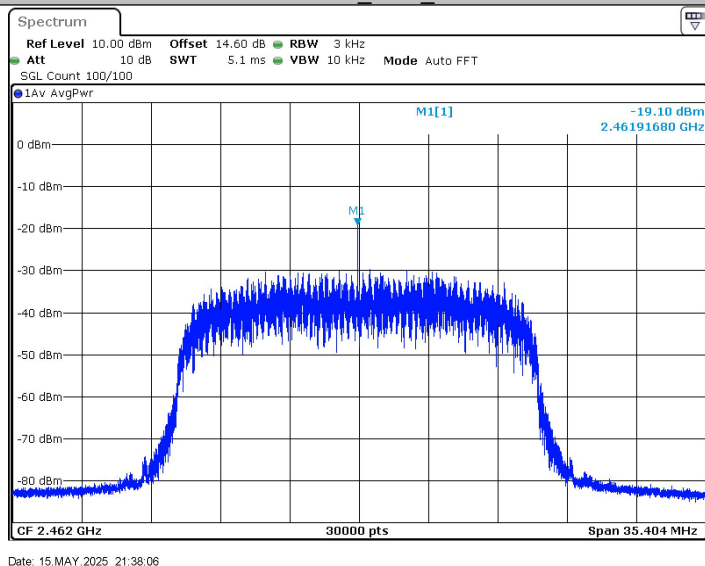


Date: 15 MAY 2025 21:34:46

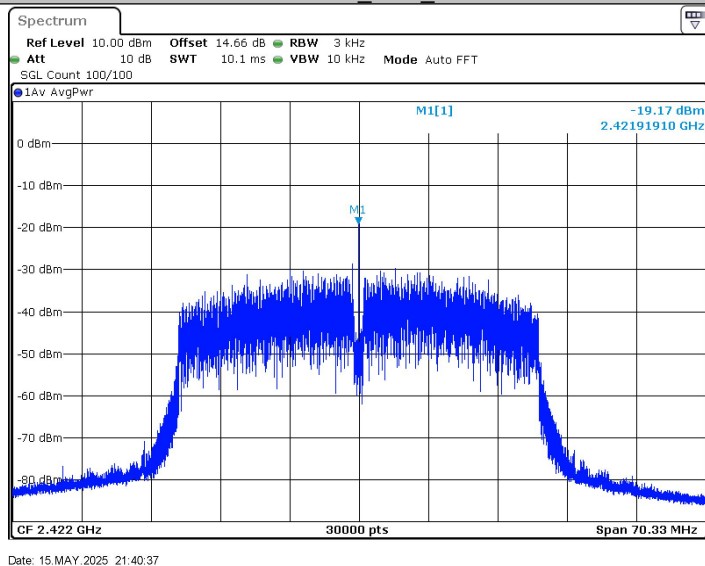
11N20SISO\_Ant1\_2437



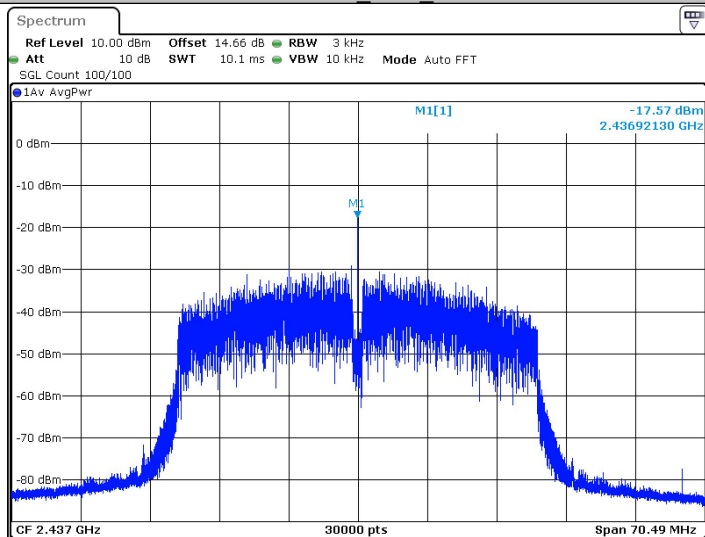
11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422

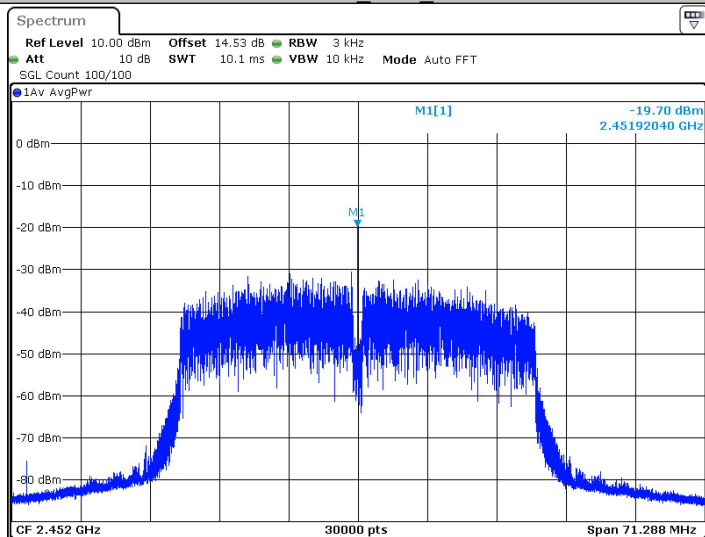


11N40SISO\_Ant1\_2437



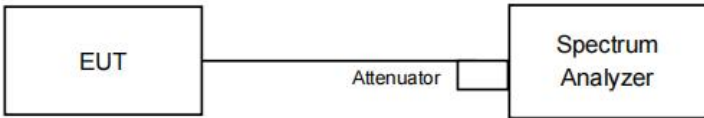
Date: 15 MAY 2025 21:46:18

11N40SISO\_Ant1\_2452



Date: 15 MAY 2025 21:47:48

## 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           | -7.30         | -42.93      | $\leq -37.3$  | PASS    |
|           | High   | 2462           | -8.55         | -42.21      | $\leq -38.55$ | PASS    |
| 11G       | Low    | 2412           | -9.98         | -42.65      | $\leq -39.98$ | PASS    |
|           | High   | 2462           | -9.49         | -41.51      | $\leq -39.49$ | PASS    |
| 11N20SISO | Low    | 2412           | -7.36         | -41.65      | $\leq -37.36$ | PASS    |
|           | High   | 2462           | -9.85         | -40.89      | $\leq -39.85$ | PASS    |
| 11N40SISO | Low    | 2422           | -12.66        | -42.89      | $\leq -42.66$ | PASS    |
|           | High   | 2452           | -10.72        | -41.18      | $\leq -40.72$ | PASS    |