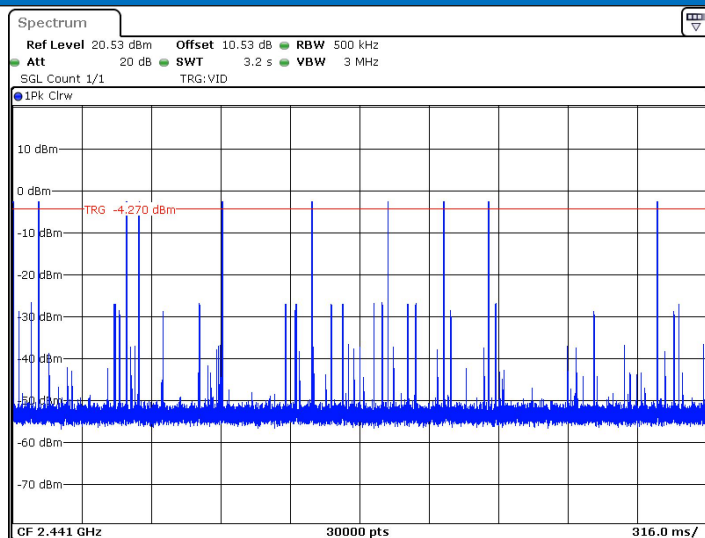
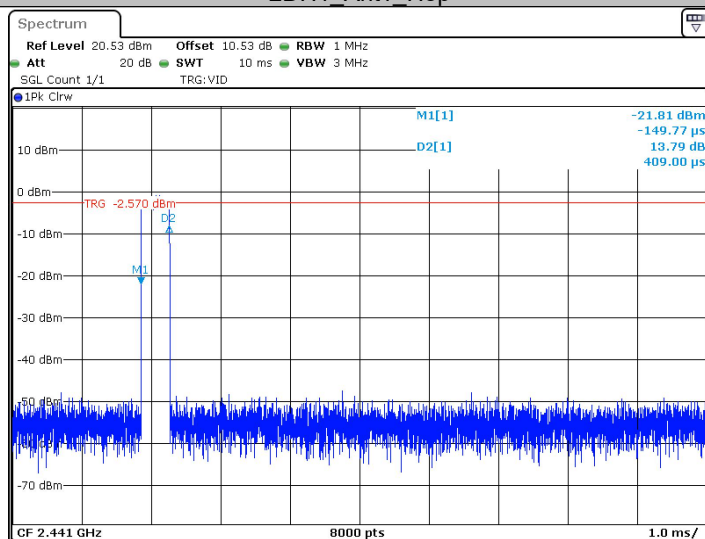


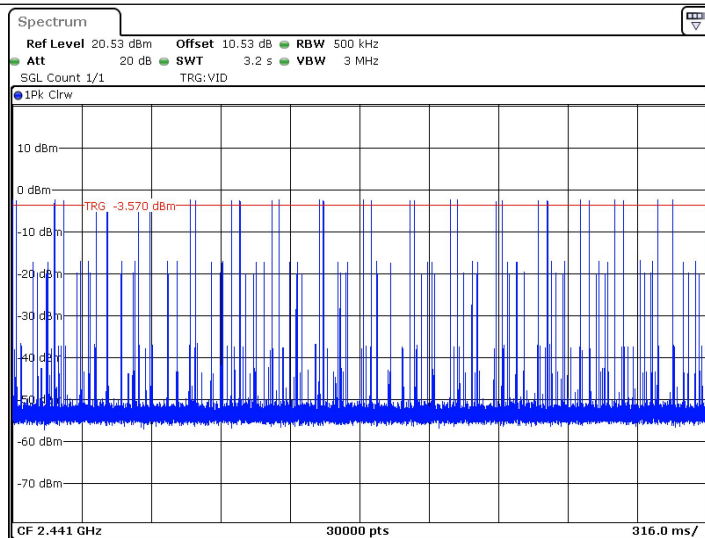


Date: 22 JAN 2025 16:23:36

### 2DH1\_Ant1\_Hop

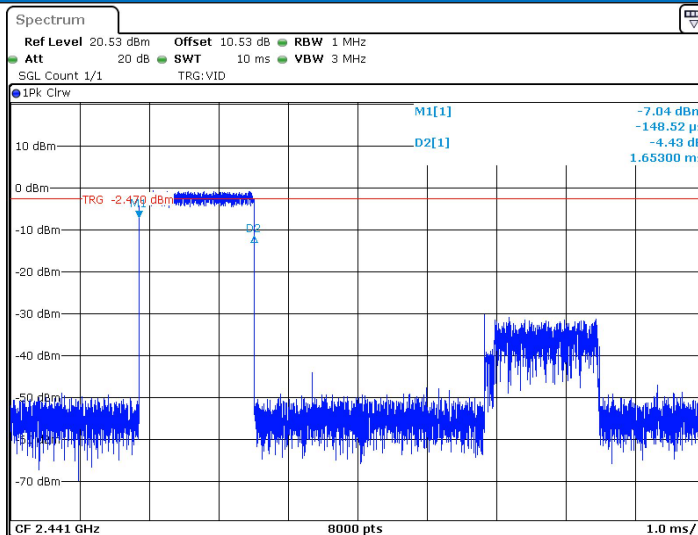


Date: 22 JAN 2025 16:38:29

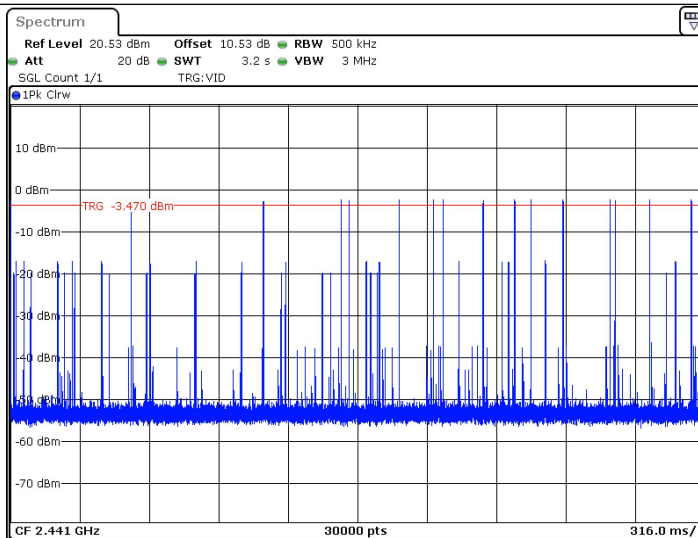


Date: 22 JAN 2025 16:38:40

### 2DH3\_Ant1\_Hop

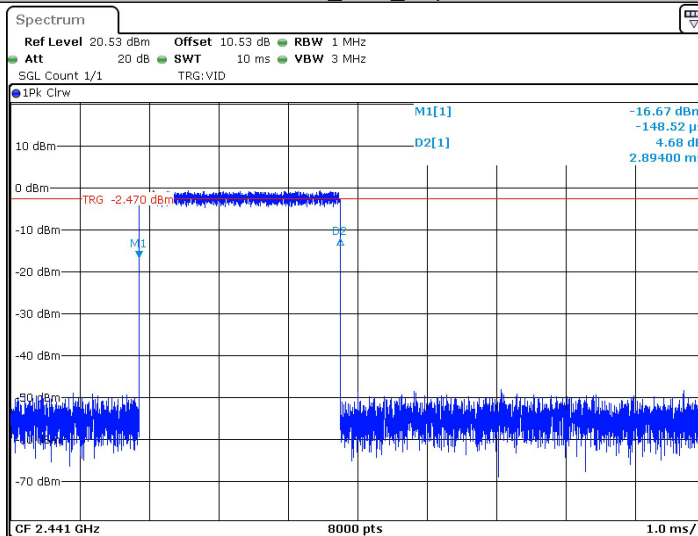


Date: 22 JAN 2025 16:43:59

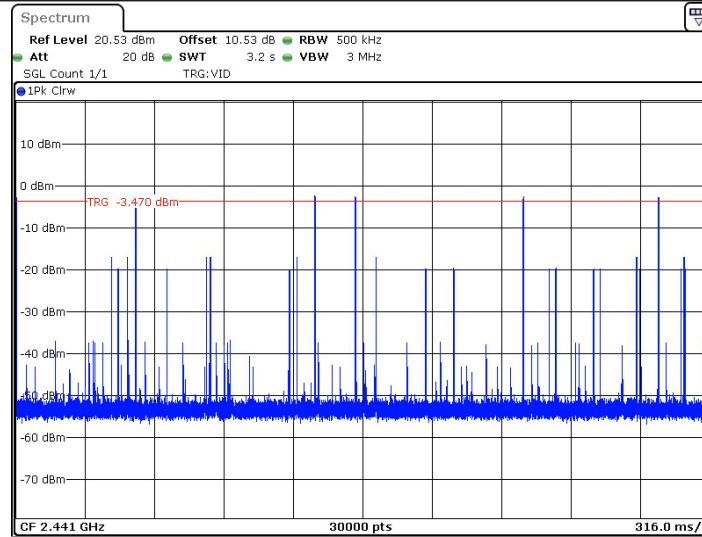


Date: 22 JAN 2025 16:44:10

### 2DH5\_Ant1\_Hop

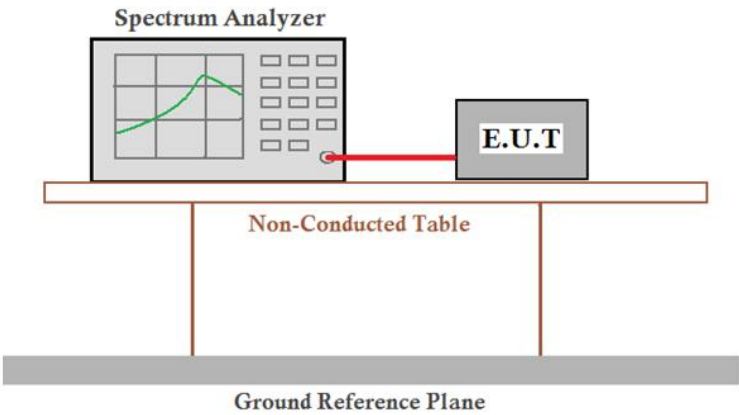


Date: 22 JAN 2025 17:14:13



Date: 22 JAN 2025 17:14:25

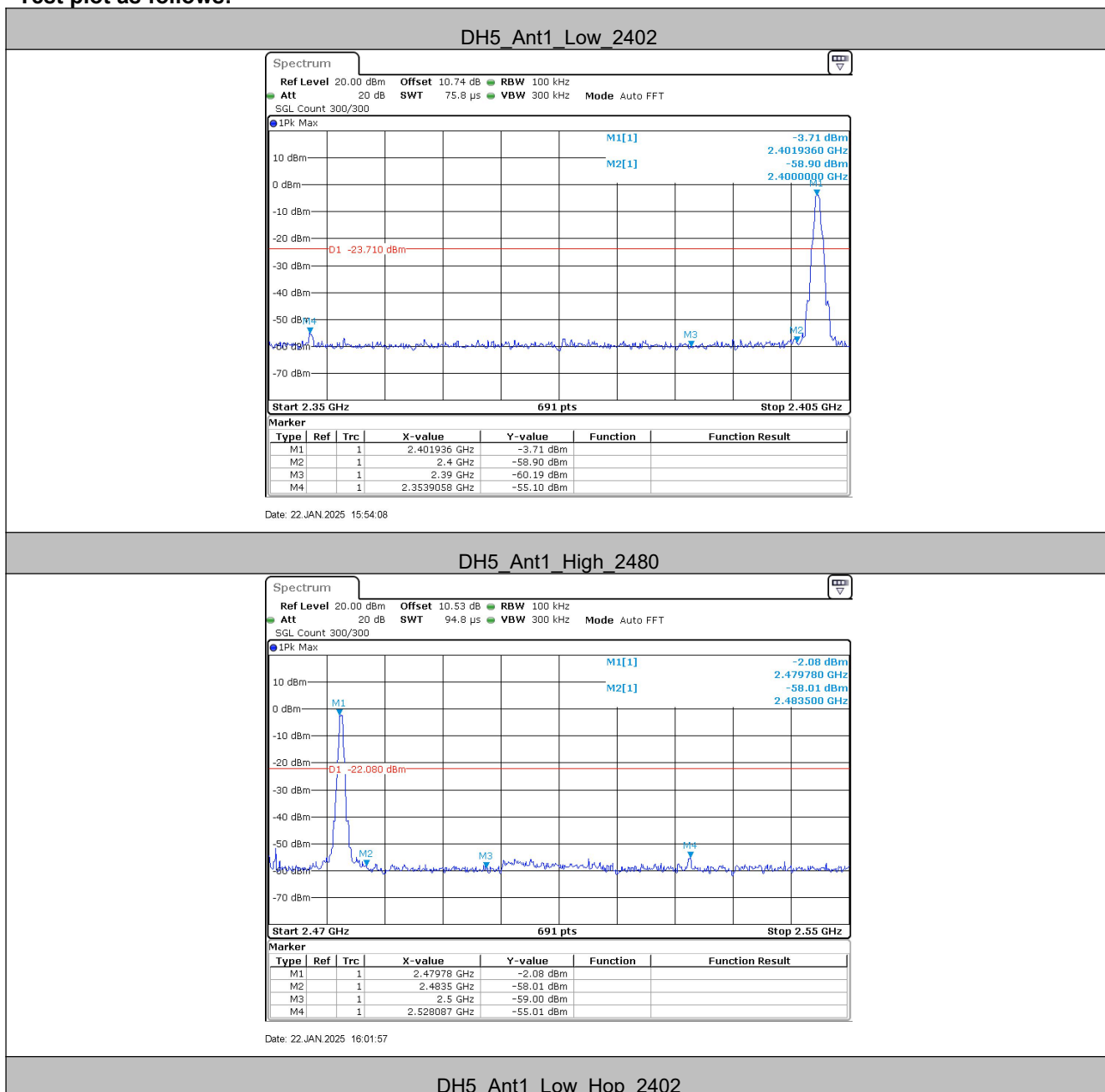
## 5.8 Band-edge for RF Conducted Emissions

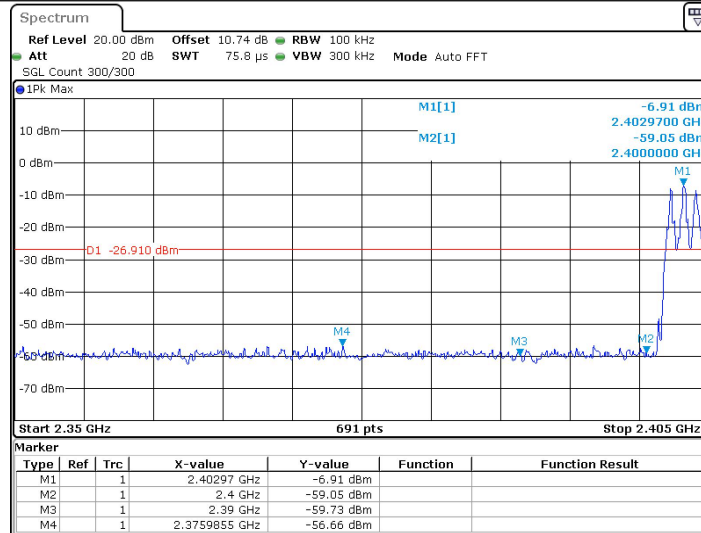
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                        |
| Test Setup:            |  <p>Remark: <math>Offset = cable\ loss + attenuation\ factor</math>.</p>                                                                                                                                                                                                                              |
| 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. |
| Exploratory Test Mode: | Hopping and Non-hopping transmitting with all kind of modulation and all kind of data type                                                                                                                                                                                                                                                                                              |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                                                                                                                                                                                                                                                                          |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

**Measurement Data**

| TestMode | ChName | Freq(MHz) | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|--------|-----------|-------------------|-----------------|----------------|---------|
| DH5      | Low    | 2402      | -3.71             | -55.1           | $\leq -23.71$  | PASS    |
|          | High   | 2480      | -2.08             | -55.01          | $\leq -22.08$  | PASS    |
|          | Low    | Hop_2402  | -6.91             | -56.66          | $\leq -26.91$  | PASS    |
|          | High   | Hop_2480  | -5.17             | -51.01          | $\leq -25.17$  | PASS    |
| 2DH5     | Low    | 2402      | -3.60             | -51.16          | $\leq -23.6$   | PASS    |
|          | High   | 2480      | -2.41             | -55.26          | $\leq -22.41$  | PASS    |
|          | Low    | Hop_2402  | -7.85             | -56.92          | $\leq -27.85$  | PASS    |
|          | High   | Hop_2480  | -6.04             | -53.25          | $\leq -26.04$  | PASS    |

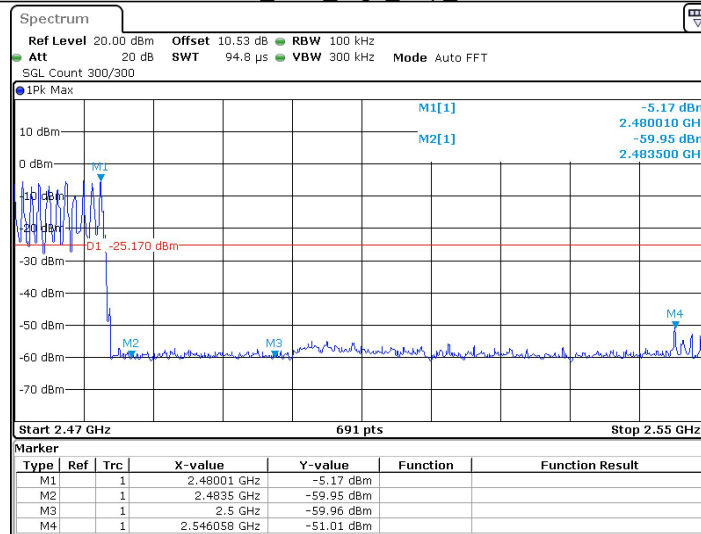
Test plot as follows:





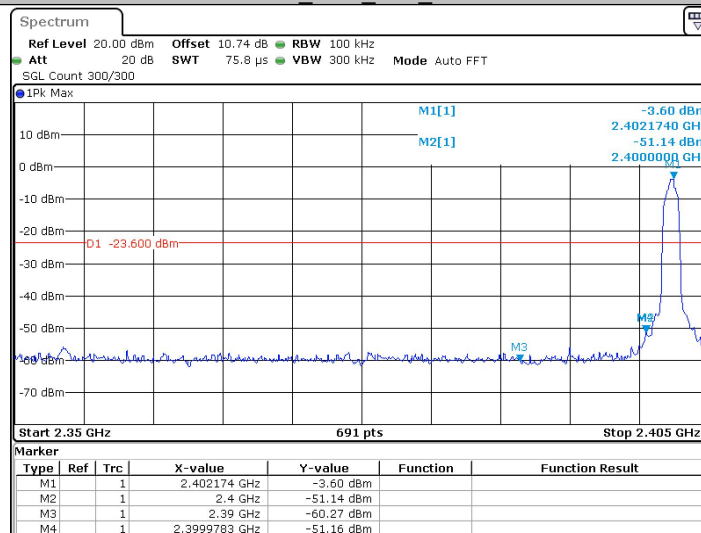
Date: 22 JAN 2025 18:01:41

### DH5\_Ant1\_High\_Hop\_2480



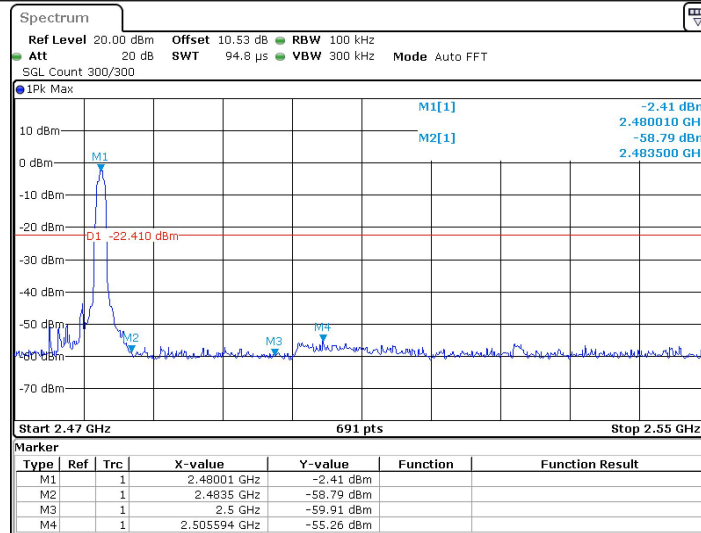
Date: 22 JAN 2025 19:15:19

### 2DH5\_Ant1\_Low\_2402



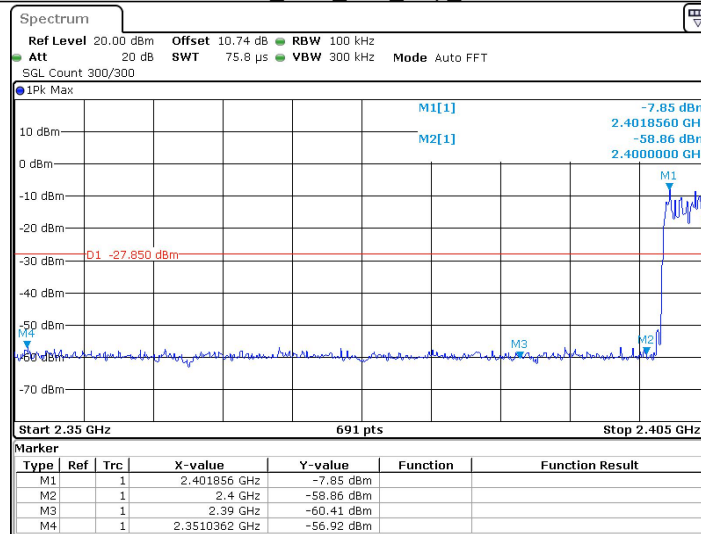
Date: 22 JAN 2025 16:18:59

### 2DH5\_Ant1\_High\_2480



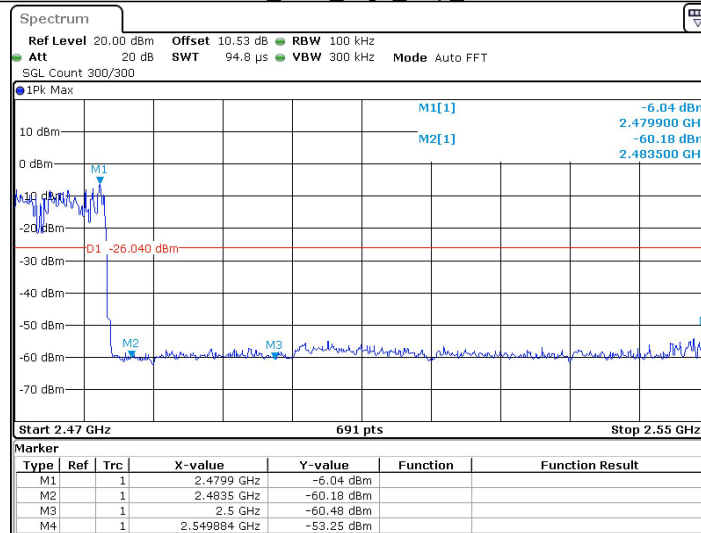
Date: 22 JAN 2025 16:20:34

### 2DH5\_Ant1\_Low\_Hop\_2402



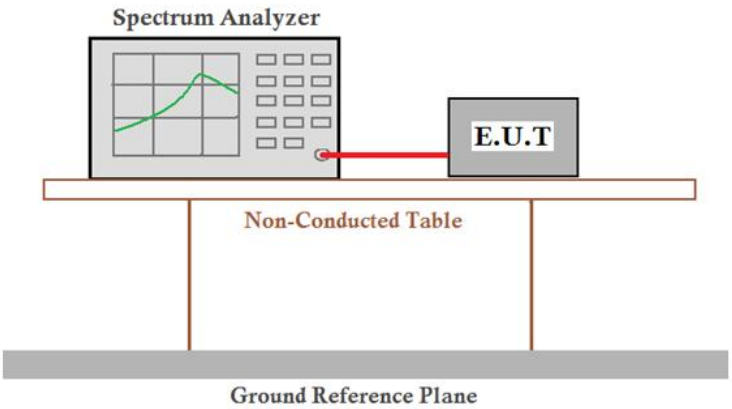
Date: 22 JAN 2025 19:15:34

### 2DH5\_Ant1\_High\_Hop\_2480

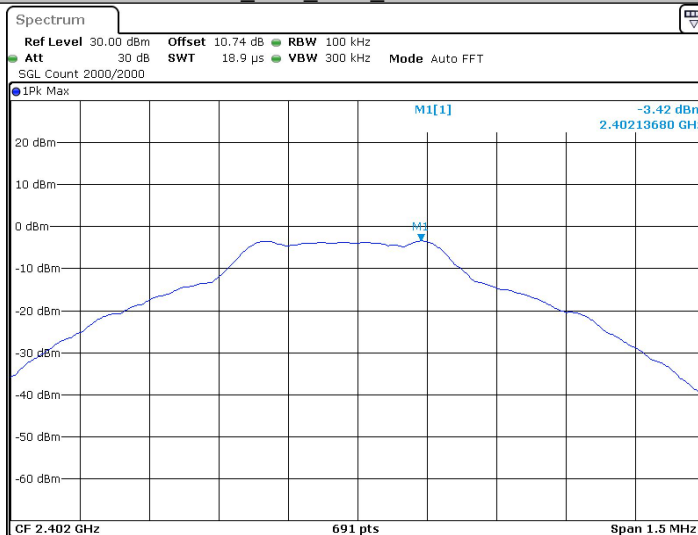


Date: 22 JAN 2025 19:15:43

## 5.9 Spurious RF Conducted Emissions

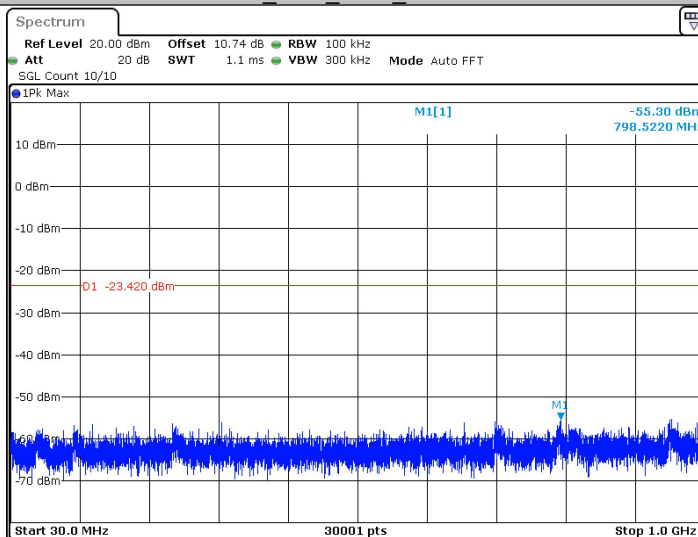
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                        |
| Test Setup:            |  <p>Remark: <math>Offset = \text{cable loss} + \text{attenuation factor}</math>.</p>                                                                                                                                                                                                                  |
| 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. |
| Exploratory Test Mode: | Non-hopping transmitting with all kind of modulation and all kind of data type                                                                                                                                                                                                                                                                                                          |
| Final Test Mode:       | Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi/4$ DQPSK modulation type.                                                                                                                                                                                                                           |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

DH5\_Ant1\_2402\_0~Reference



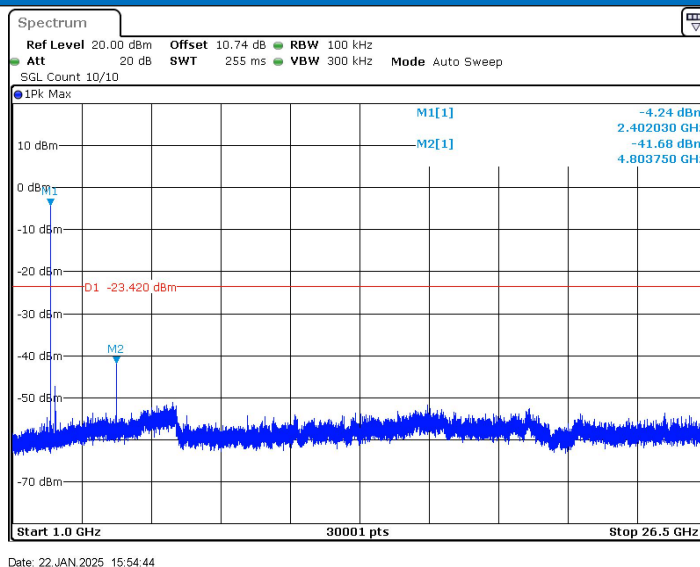
Date: 22 JAN 2025 15:54:29

DH5\_Ant1\_2402\_30~1000

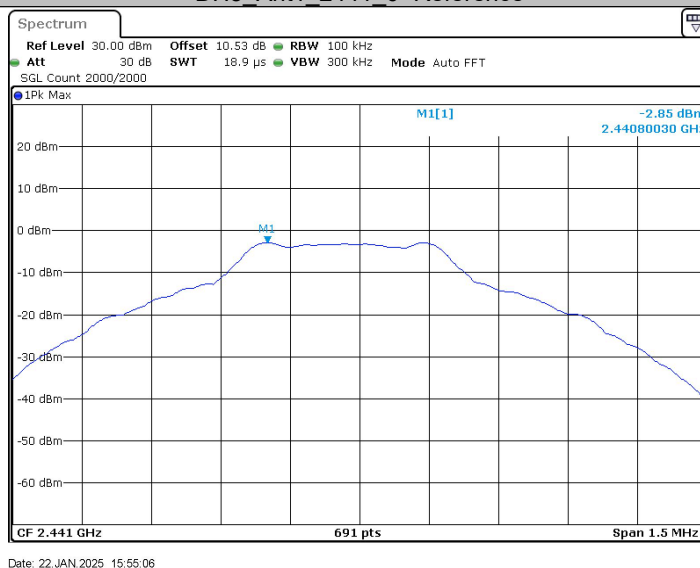


Date: 22 JAN 2025 15:54:33

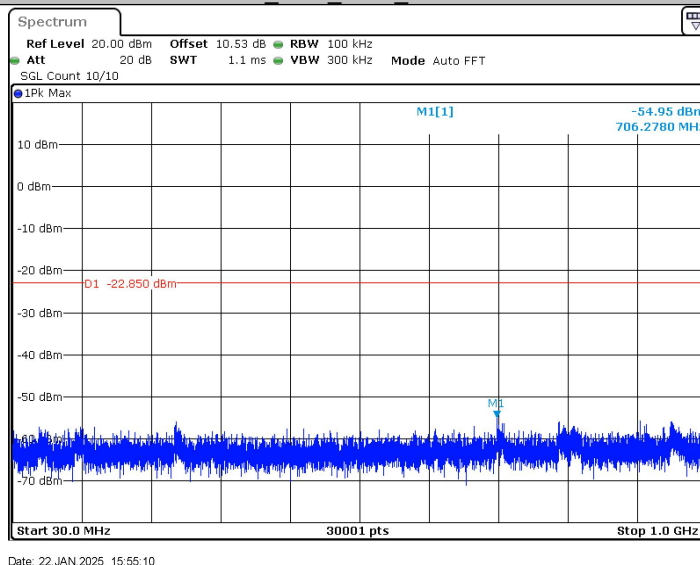
DH5\_Ant1\_2402\_1000~26500



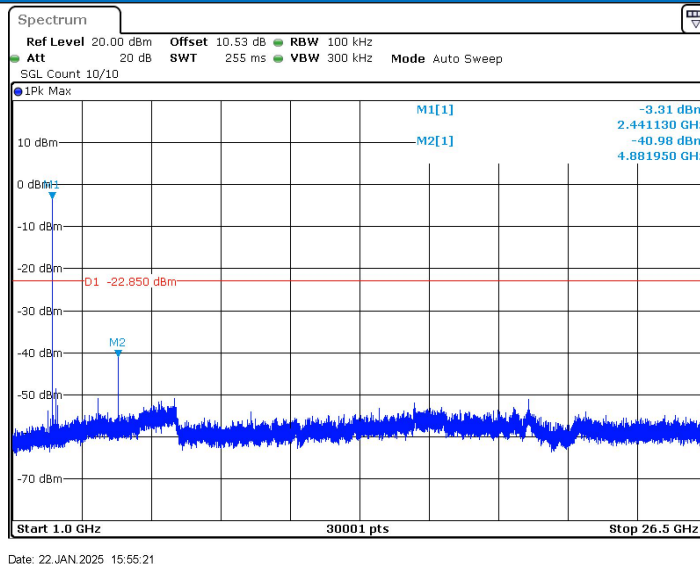
DH5\_Ant1\_2441\_0~Reference



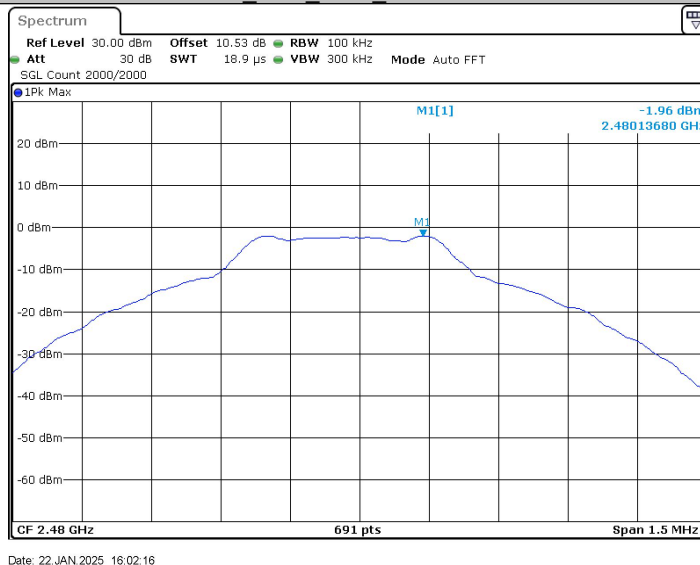
DH5\_Ant1\_2441\_30~1000



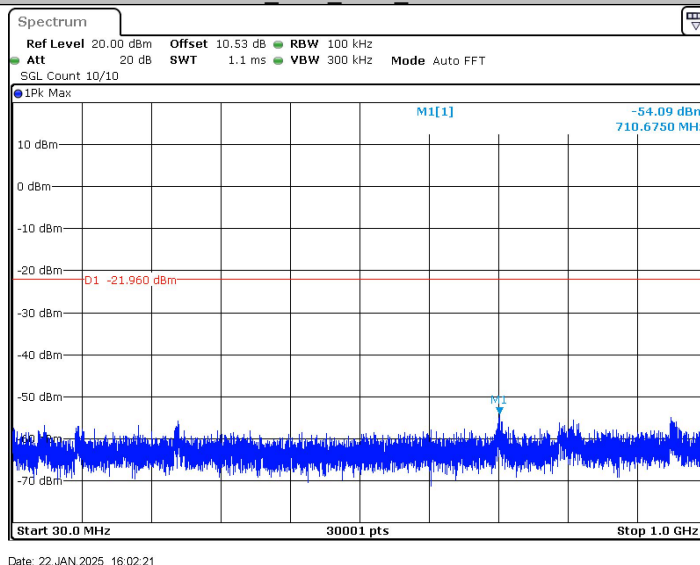
DH5\_Ant1\_2441\_1000~26500



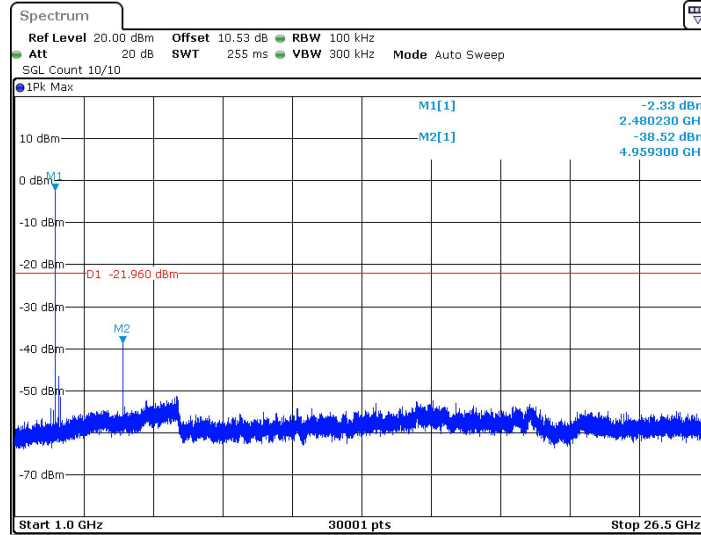
DH5\_Ant1\_2480\_0~Reference



DH5\_Ant1\_2480\_30~1000

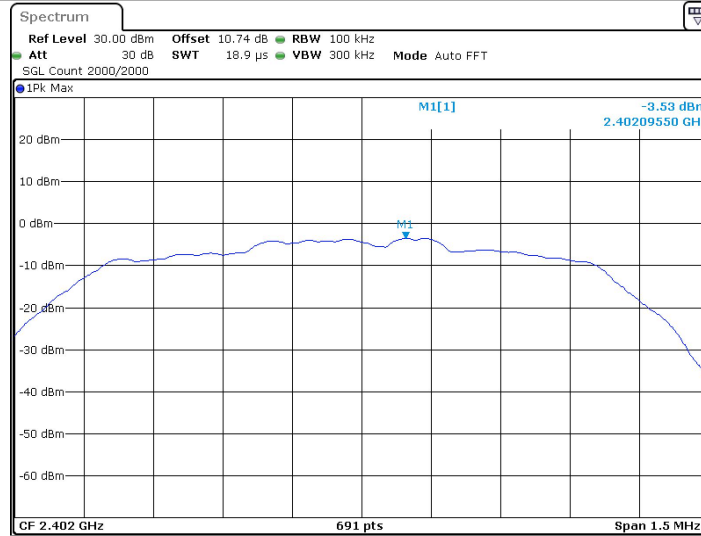


DH5\_Ant1\_2480\_1000~26500



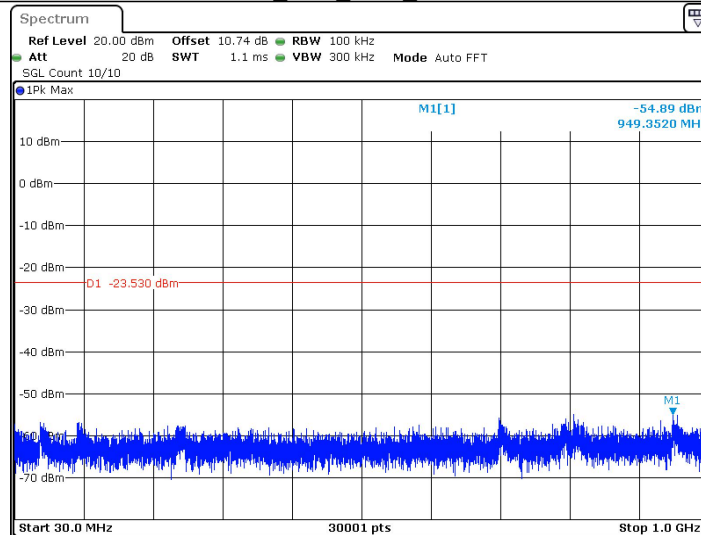
Date: 22 JAN 2025 16:02:32

2DH5\_Ant1\_2402\_0~Reference



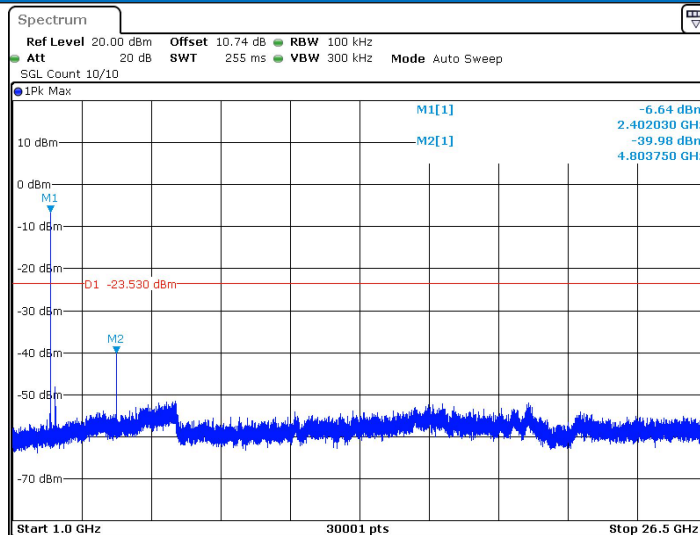
Date: 22 JAN 2025 16:19:20

2DH5\_Ant1\_2402\_30~1000



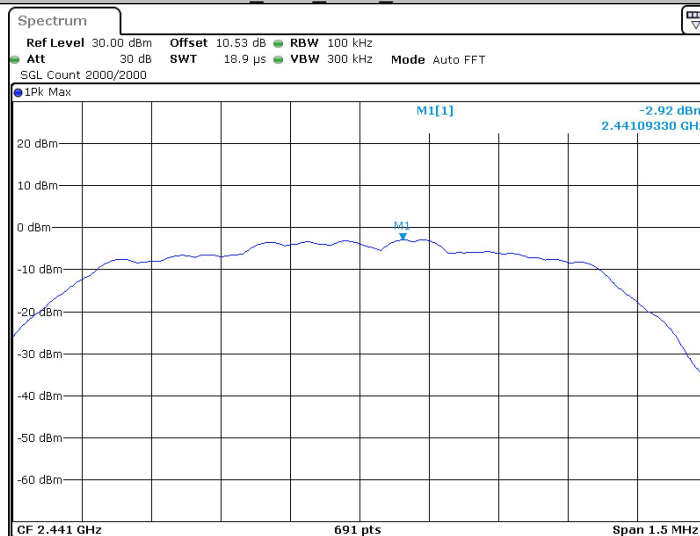
Date: 22 JAN 2025 16:19:24

2DH5\_Ant1\_2402\_1000~26500



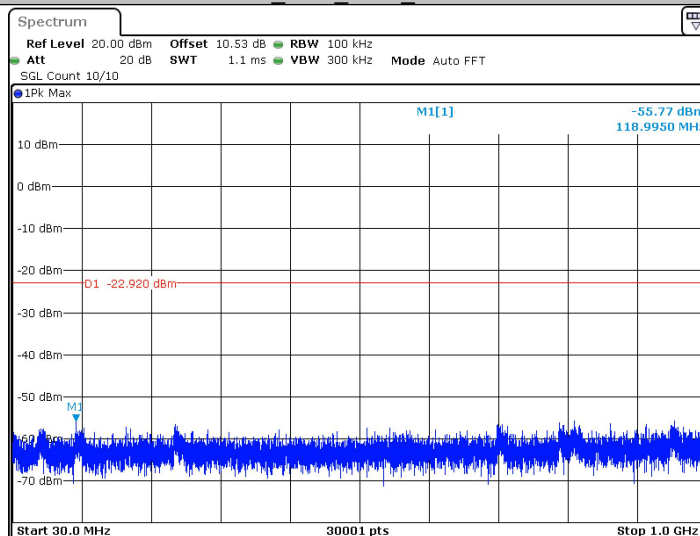
Date: 22 JAN 2025 16:19:35

### 2DH5\_Ant1\_2441\_0~Reference



Date: 22 JAN 2025 16:19:56

### 2DH5\_Ant1\_2441\_30~1000



Date: 22 JAN 2025 16:20:01

### 2DH5\_Ant1\_2441\_1000~26500