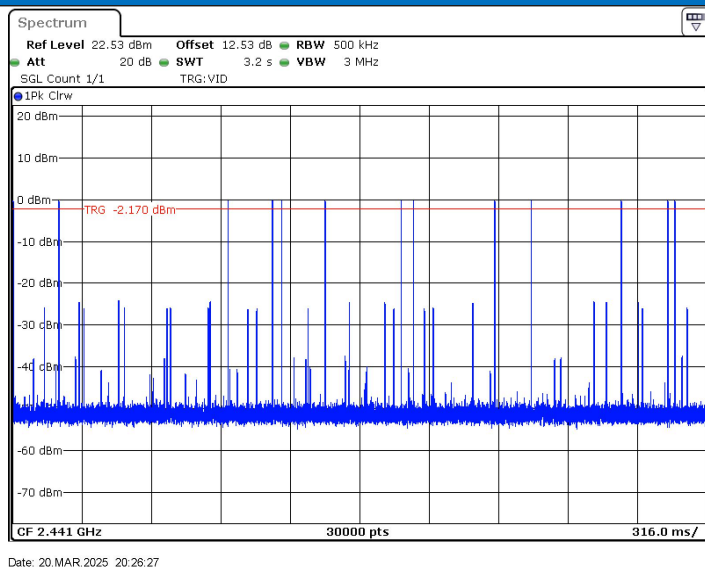
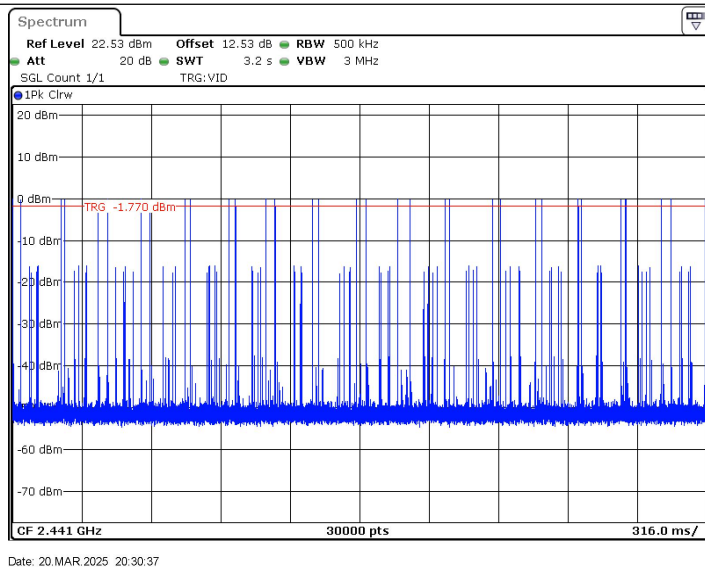
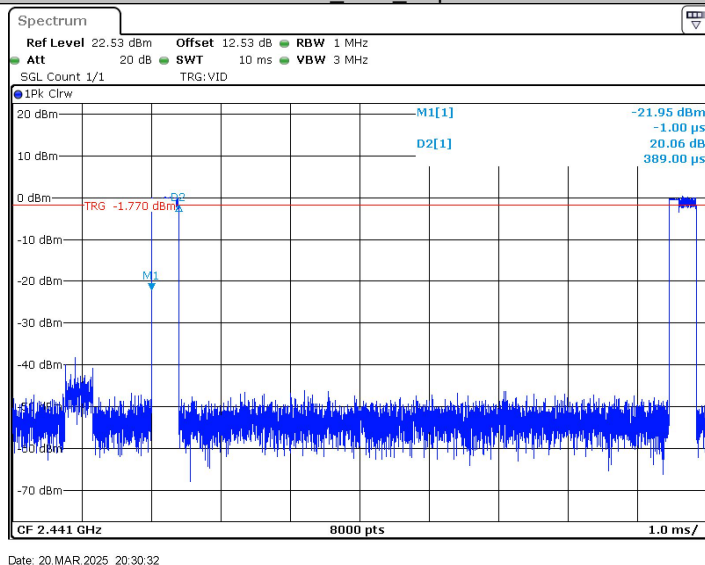
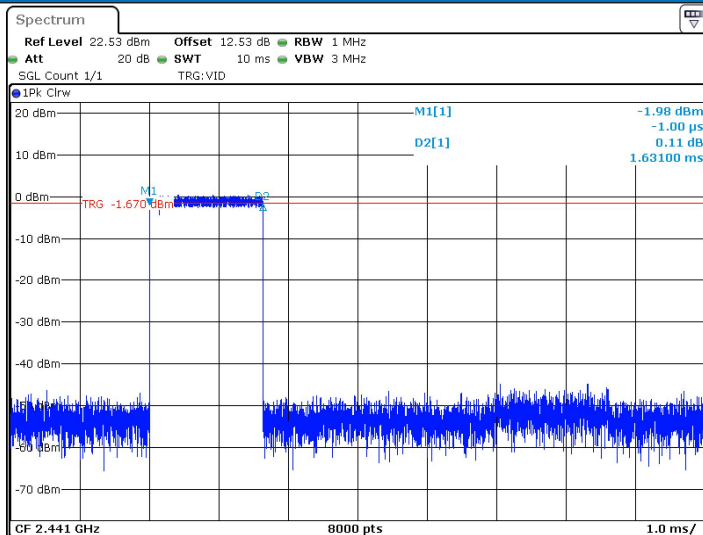




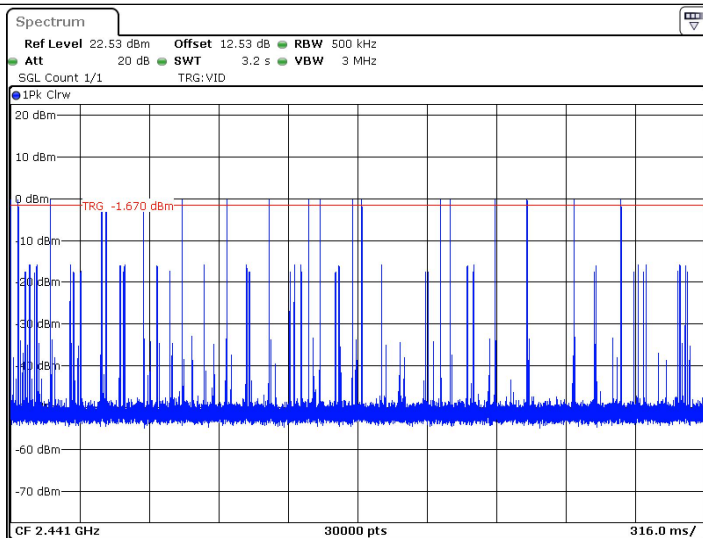
### 2DH1\_Ant1\_Hop



### 2DH3\_Ant1\_Hop

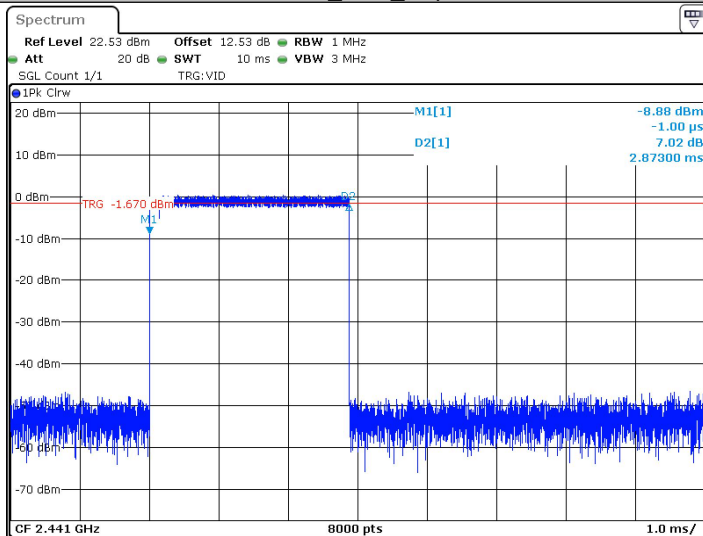


Date: 20.MAR.2025 20:30:59

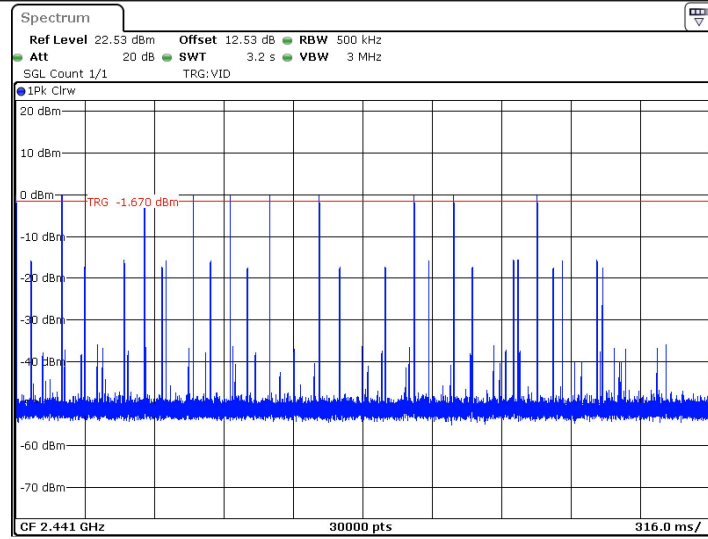


Date: 20.MAR.2025 20:31:05

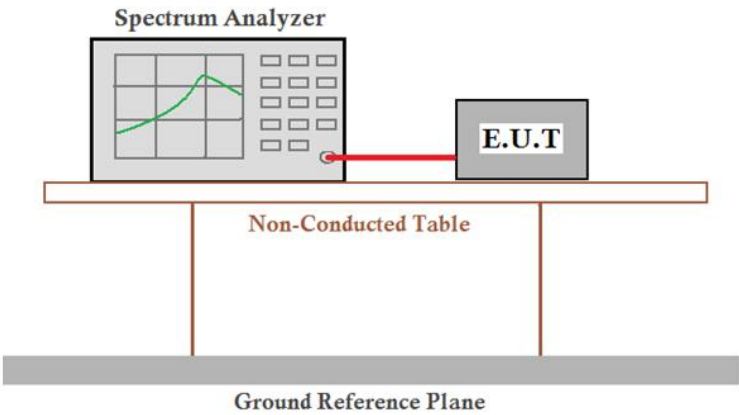
### 2DH5\_Ant1\_Hop



Date: 20.MAR.2025 20:30:05



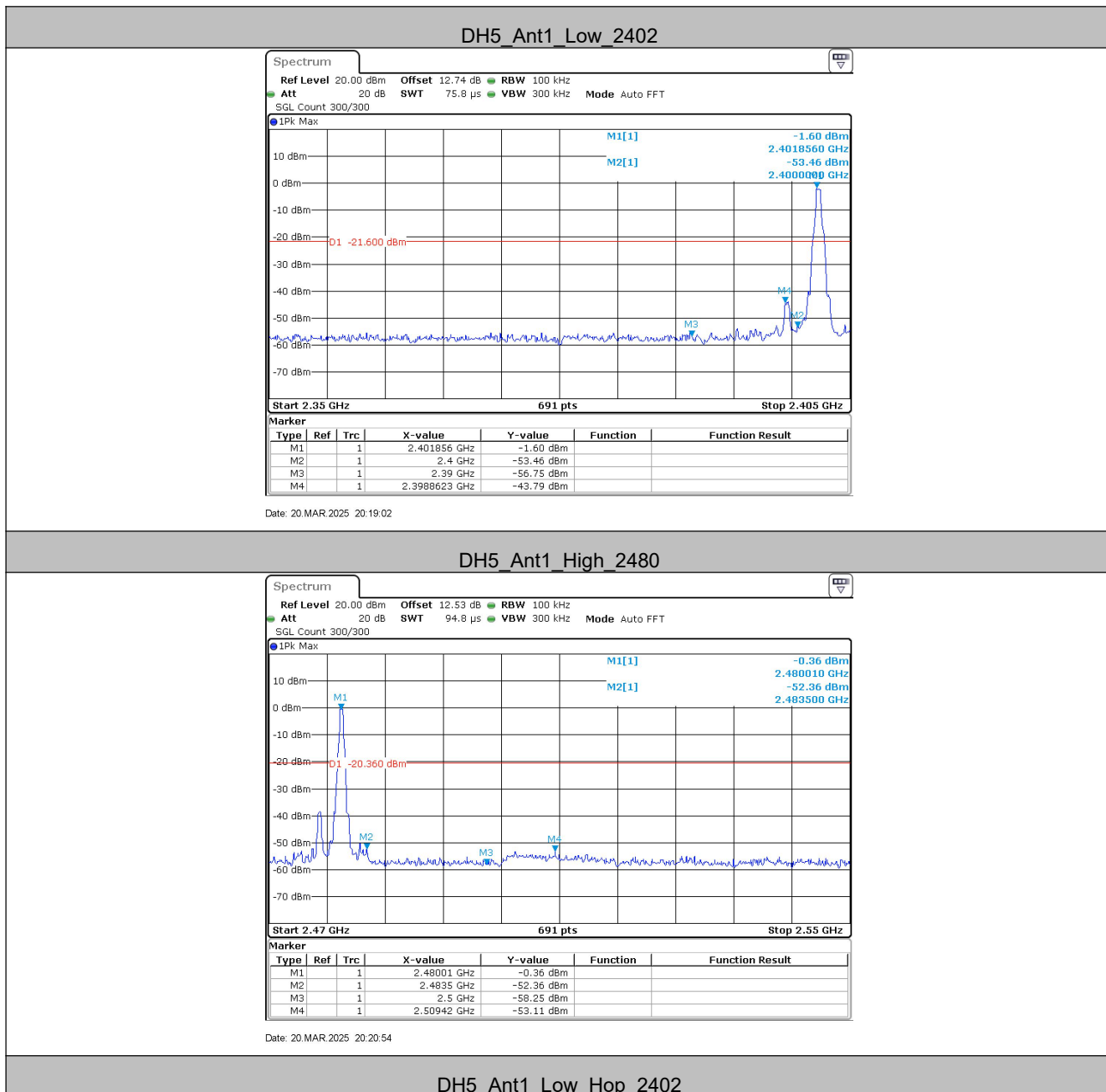
## 5.7 Band-edge for RF Conducted Emissions

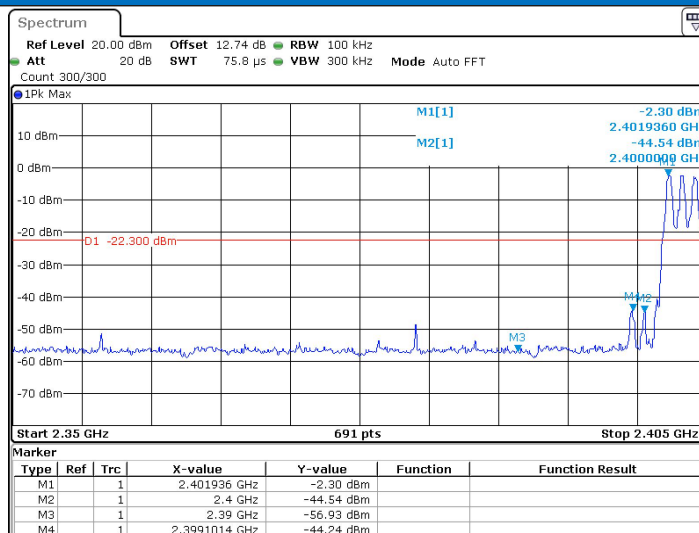
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                        |
| Test Setup:            |  <p><i>Remark: Offset=cable loss+ attenuation factor.</i></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      | -1.60             | -43.79          | $\leq -21.6$   | PASS    |
|          | High   | 2480      | -0.36             | -53.11          | $\leq -20.36$  | PASS    |
|          | Low    | Hop_2402  | -2.30             | -44.24          | $\leq -22.3$   | PASS    |
|          | High   | Hop_2480  | -0.16             | -44.87          | $\leq -20.16$  | PASS    |
| 2DH5     | Low    | 2402      | -1.93             | -44.47          | $\leq -21.93$  | PASS    |
|          | High   | 2480      | 0.08              | -53.26          | $\leq -19.92$  | PASS    |
|          | Low    | Hop_2402  | -1.81             | -45.57          | $\leq -21.81$  | PASS    |
|          | High   | Hop_2480  | -0.10             | -44.89          | $\leq -20.1$   | PASS    |

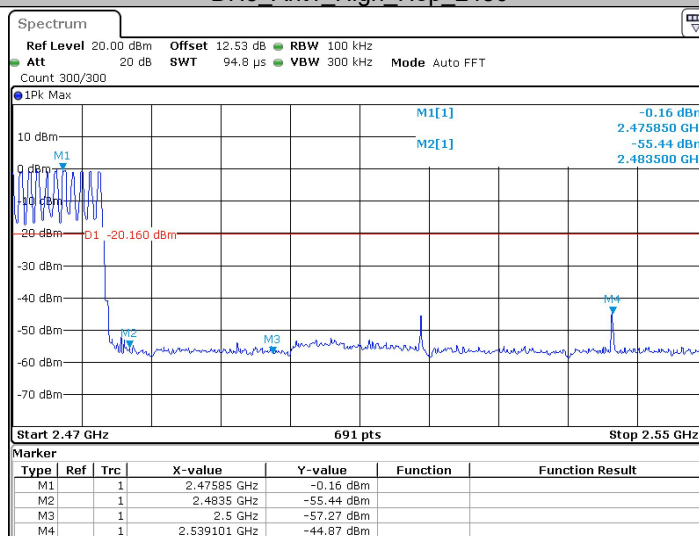
Test plot as follows:





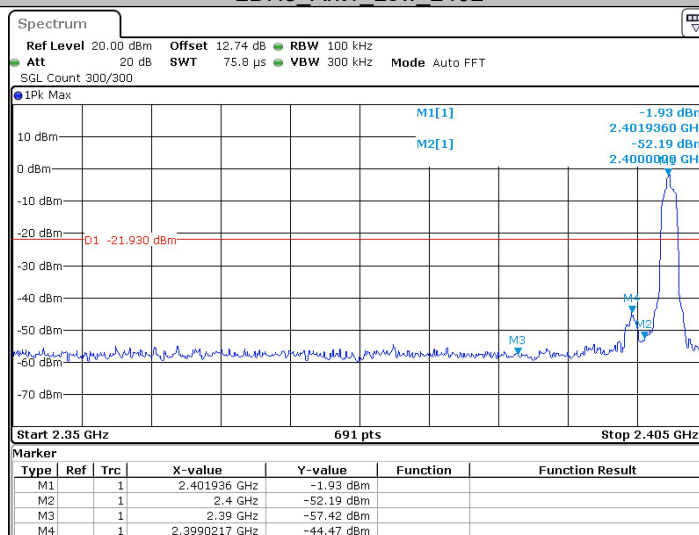
Date: 20.MAR.2025 20:25:38

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



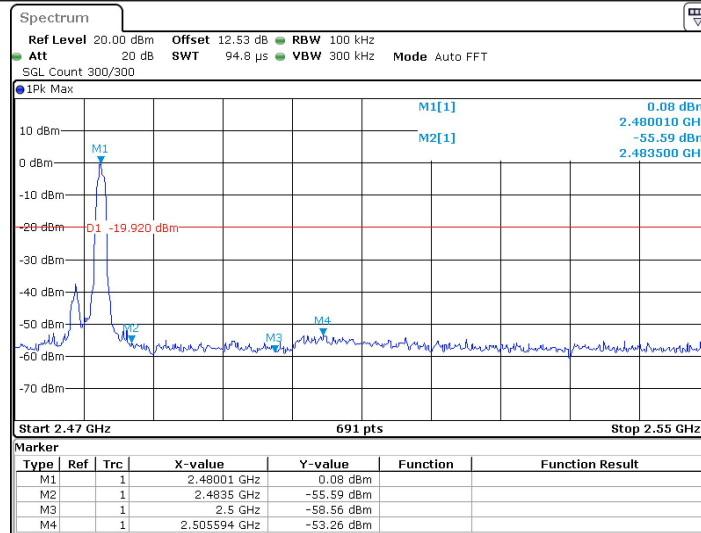
Date: 20.MAR.2025 20:28:24

### 2DH5\_Ant1\_Low\_2402



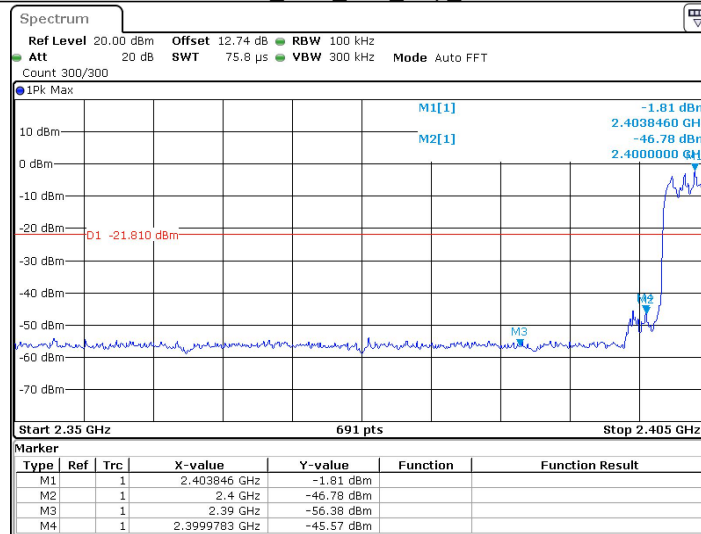
Date: 20.MAR.2025 20:22:04

### 2DH5\_Ant1\_High\_2480



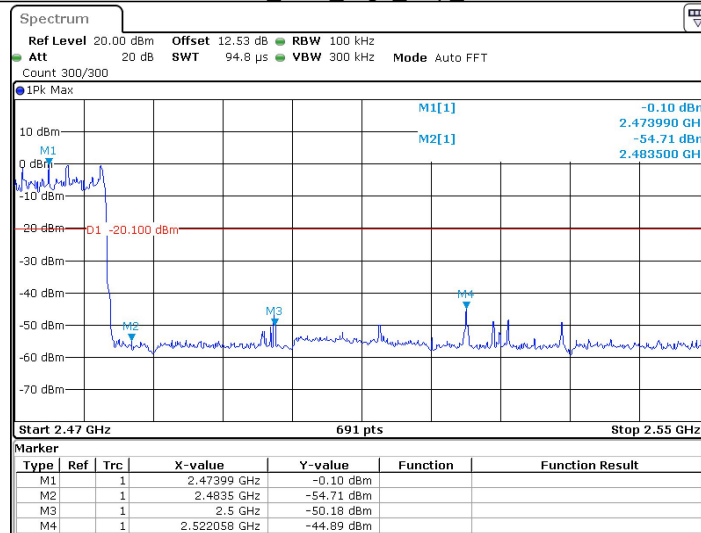
Date: 20.MAR.2025 20:23:52

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



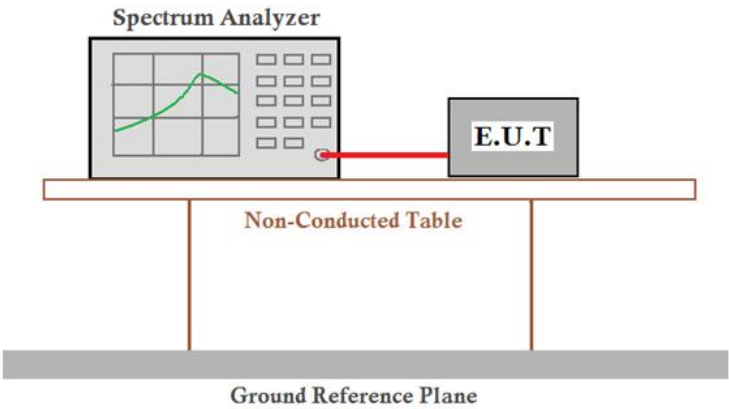
Date: 20.MAR.2025 20:29:06

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

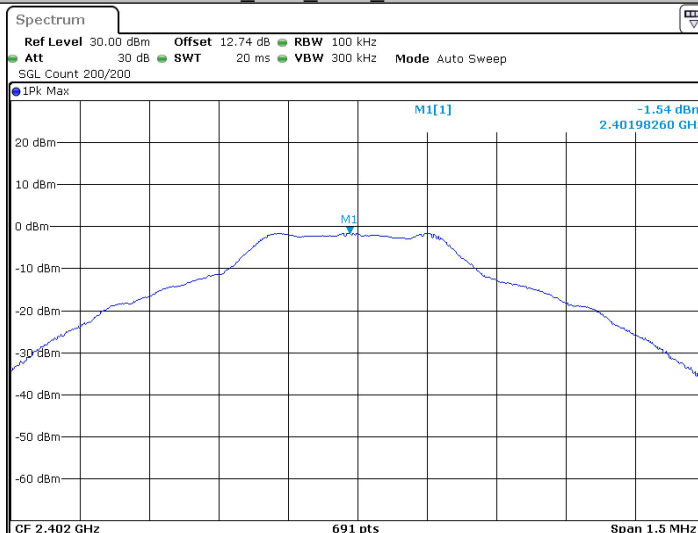


Date: 20.MAR.2025 20:32:01

## 5.8 Spurious RF Conducted Emissions

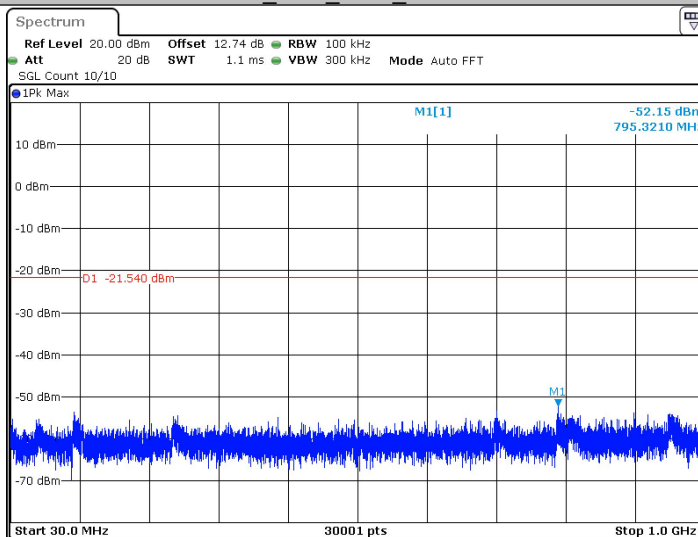
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                        |
| Test Setup:            |  <p>Remark: <math>\text{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



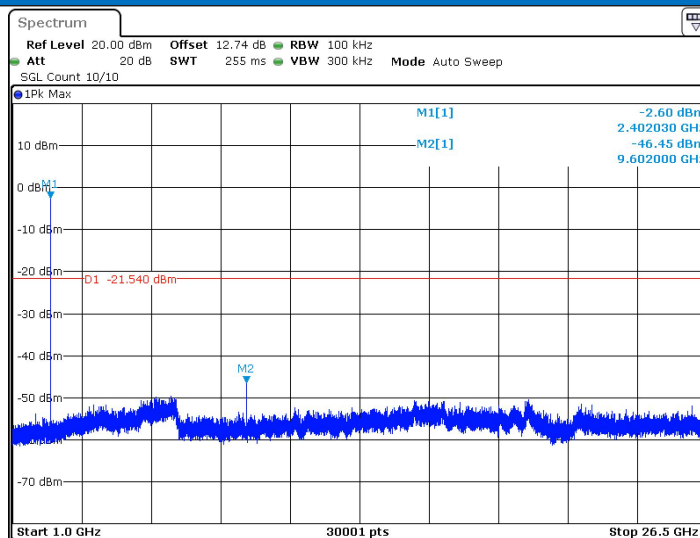
Date: 20.MAR.2025 20:19:33

DH5\_Ant1\_2402\_30~1000



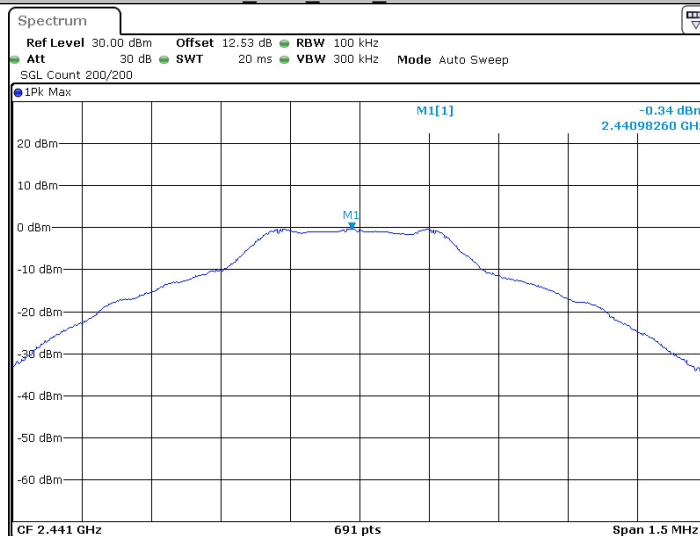
Date: 20.MAR.2025 20:19:37

DH5\_Ant1\_2402\_1000~26500



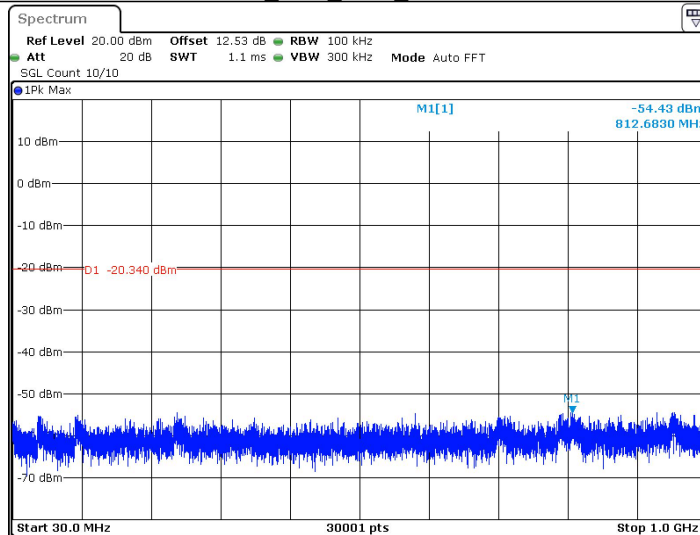
Date: 20.MAR.2025 20:19:48

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



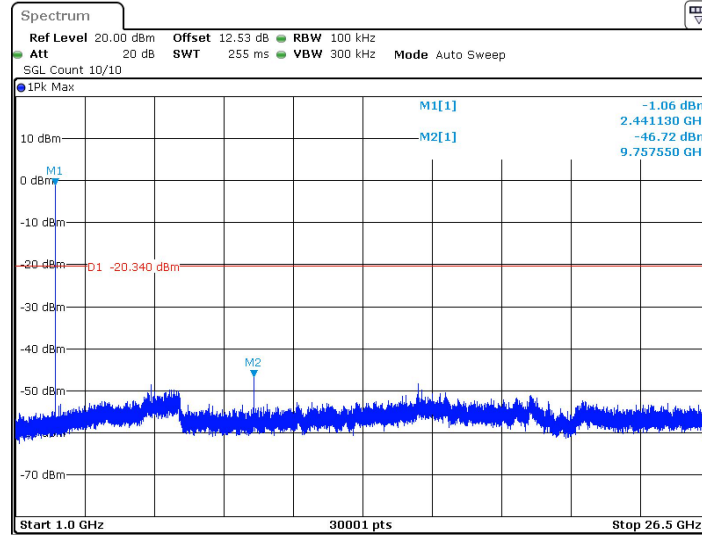
Date: 20.MAR.2025 20:20:18

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



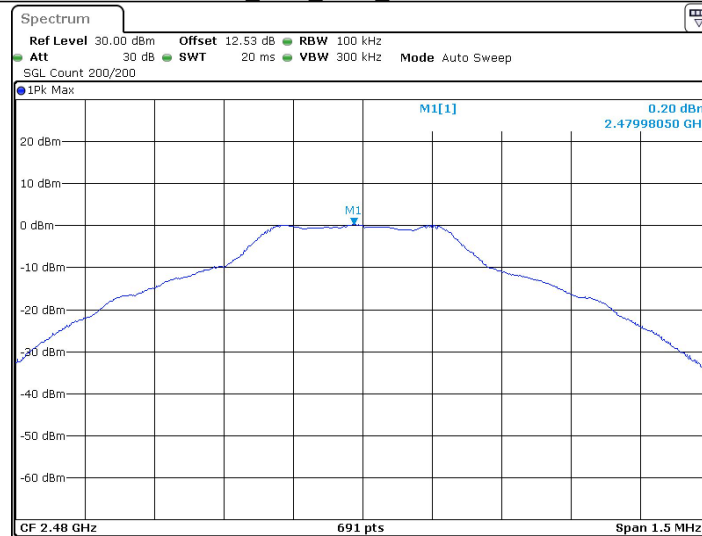
Date: 20.MAR.2025 20:20:22

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



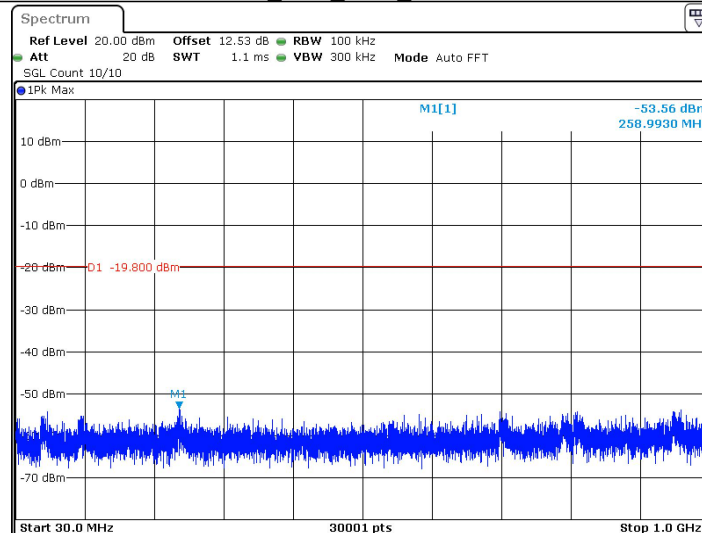
Date: 20.MAR.2025 20:20:33

### DH5\_Ant1\_2480\_0~Reference



Date: 20.MAR.2025 20:21:20

### DH5\_Ant1\_2480\_30~1000



Date: 20.MAR.2025 20:21:25

### DH5\_Ant1\_2480\_1000~26500