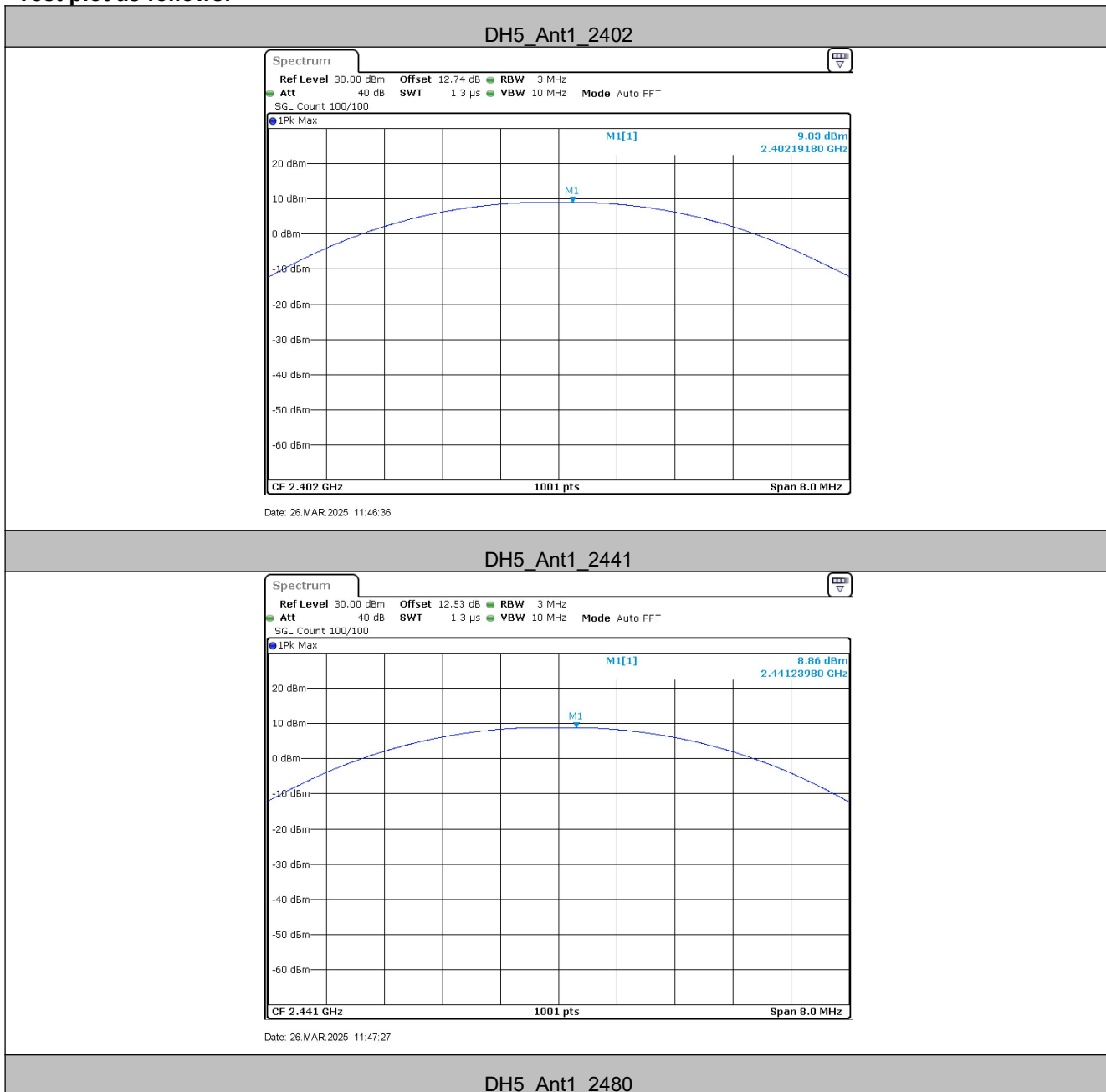
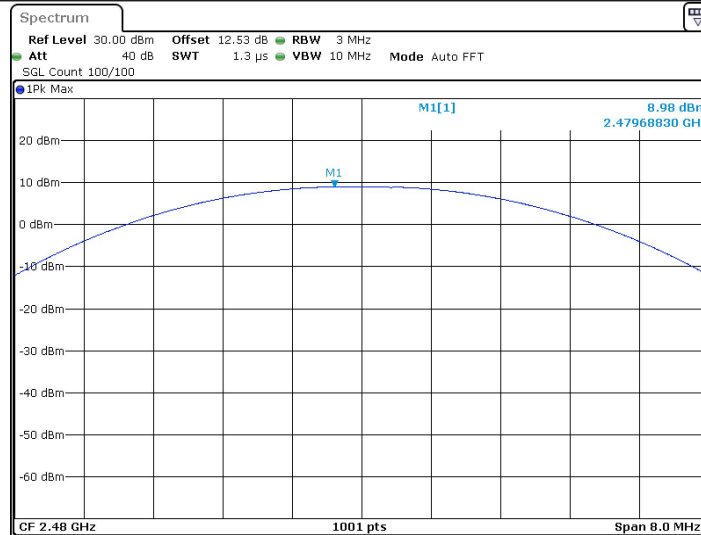


**Measurement Data**

| GFSK mode          |                         |             |        |
|--------------------|-------------------------|-------------|--------|
| Test channel       | Peak Output Power (dBm) | Limit (dBm) | Result |
| Lowest             | 9.03                    | 30.00       | Pass   |
| Middle             | 8.86                    | 30.00       | Pass   |
| Highest            | 8.98                    | 30.00       | Pass   |
| $\pi/4$ DQPSK mode |                         |             |        |
| Test channel       | Peak Output Power (dBm) | Limit (dBm) | Result |
| Lowest             | 9.49                    | 30.00       | Pass   |
| Middle             | 9.18                    | 30.00       | Pass   |
| Highest            | 9.45                    | 30.00       | Pass   |
| 8DPSK mode         |                         |             |        |
| Test channel       | Peak Output Power (dBm) | Limit (dBm) | Result |
| Lowest             | 9.45                    | 30.00       | Pass   |
| Middle             | 9.22                    | 30.00       | Pass   |
| Highest            | 9.54                    | 30.00       | Pass   |

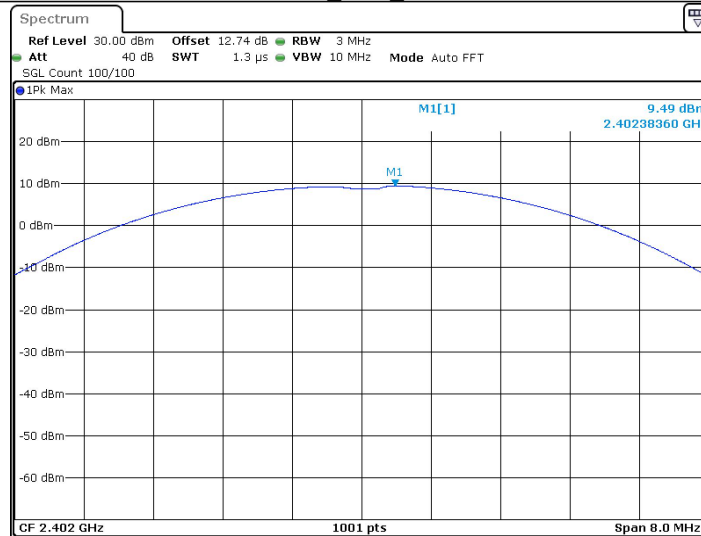
Test plot as follows:





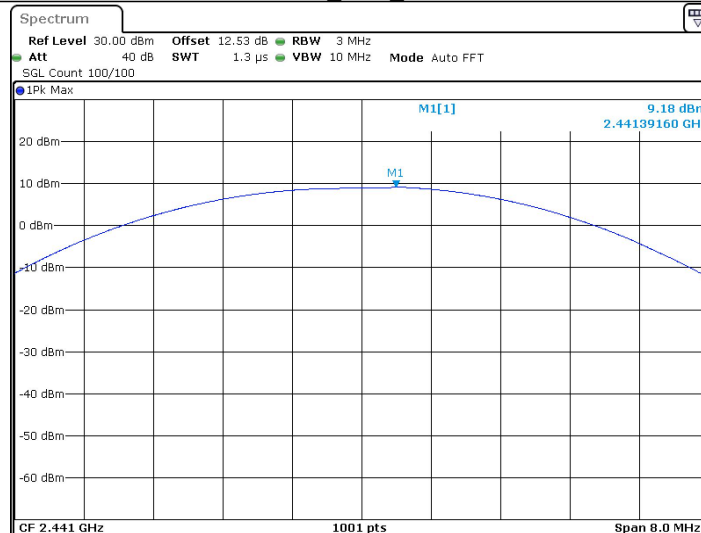
Date: 26.MAR.2025 11:48:23

2DH5\_Ant1\_2402



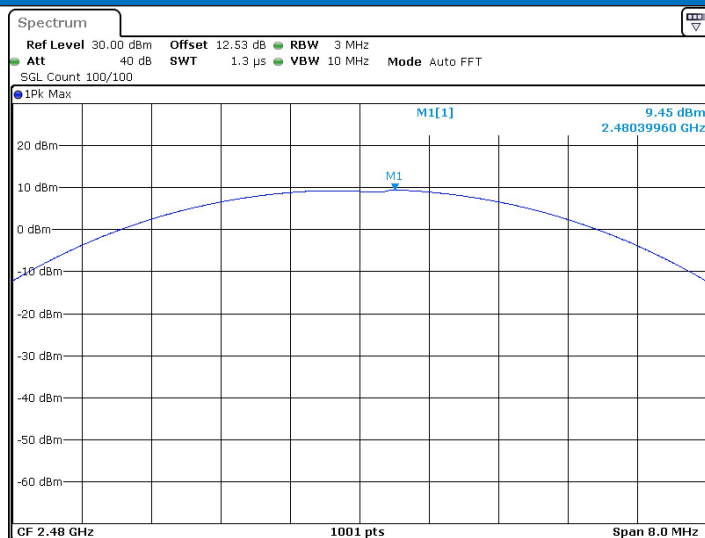
Date: 26.MAR.2025 11:49:10

2DH5\_Ant1\_2441



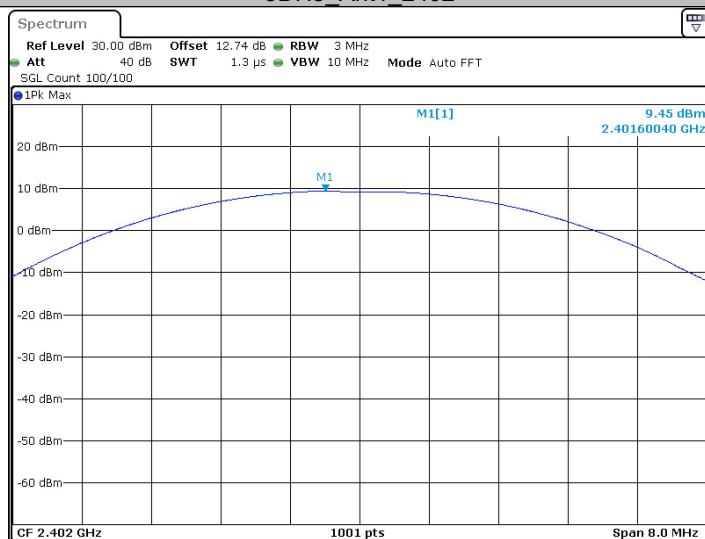
Date: 26.MAR.2025 11:50:23

2DH5\_Ant1\_2480



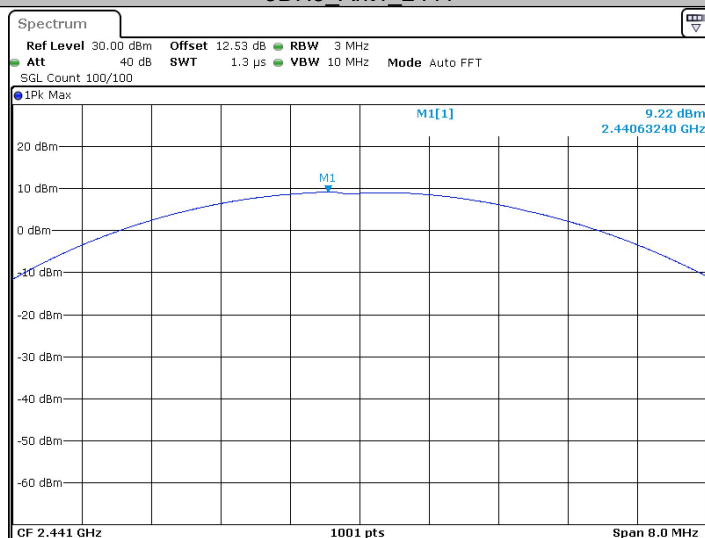
Date: 26.MAR.2025 11:51:34

### 3DH5\_Ant1\_2402



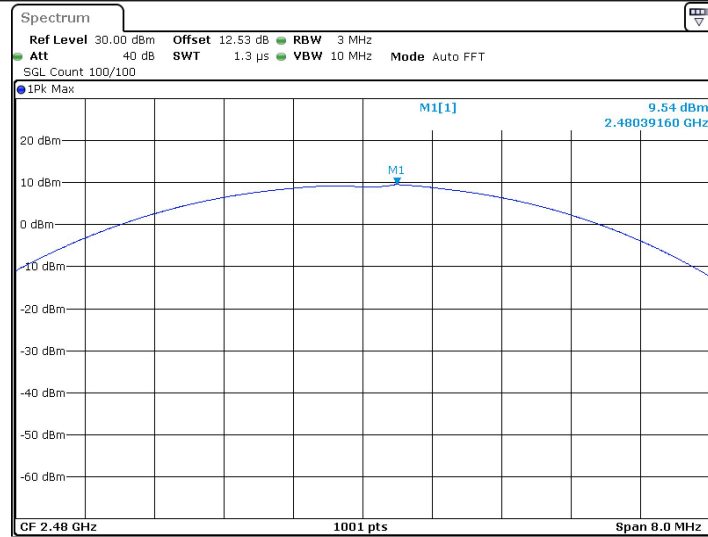
Date: 26.MAR.2025 11:52:33

### 3DH5\_Ant1\_2441



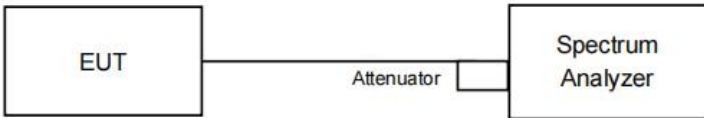
Date: 26.MAR.2025 11:53:47

### 3DH5\_Ant1\_2480



Date: 26.MAR.2025 11:54:38

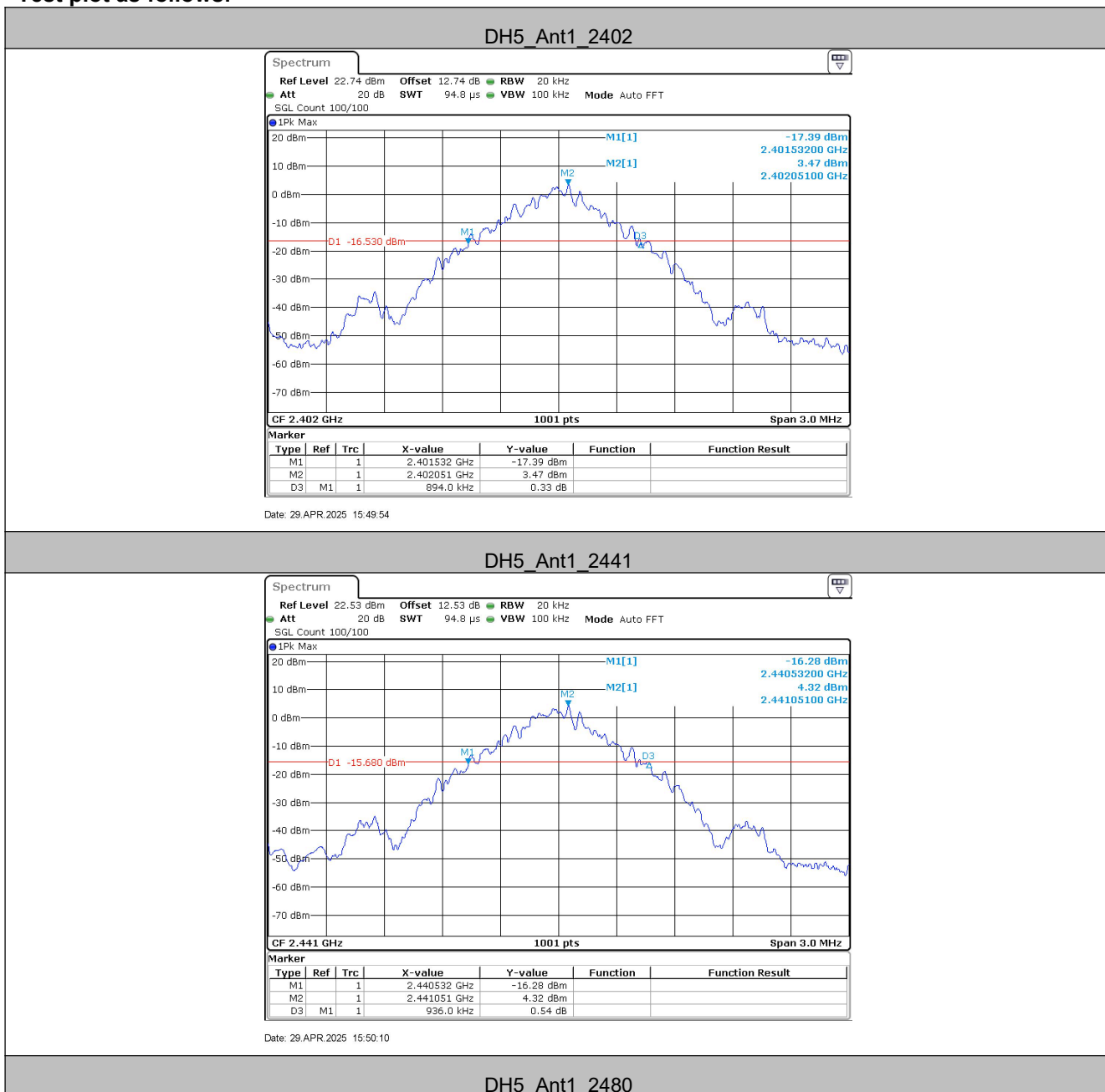
## 5.4 20dB Occupied Bandwidth

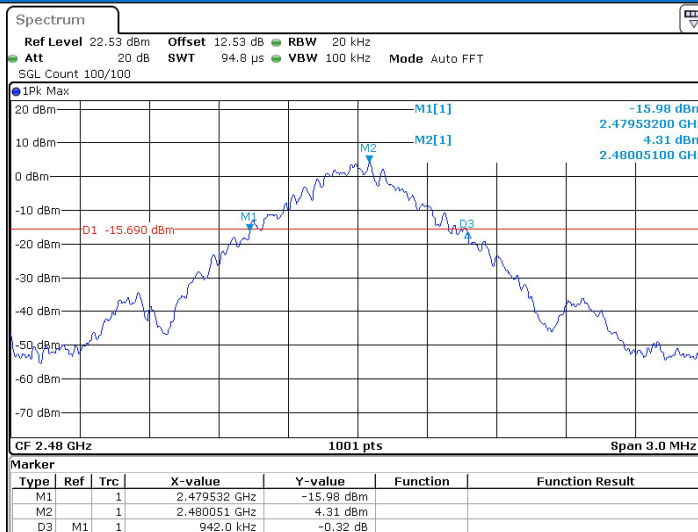
|                        |                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (a)(1)                                                                                                    |
| Test Method:           | ANSI C63.10:2013                                                                                                                         |
| Test Setup:            |  <p>Remark: Offset=Cable loss+ attenuation factor.</p> |
| Limit:                 | NA                                                                                                                                       |
| Exploratory Test Mode: | 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

| Test channel | 20dB Occupy Bandwidth (MHz) |               |       |
|--------------|-----------------------------|---------------|-------|
|              | GFSK                        | $\pi/4$ DQPSK | 8DPSK |
| Lowest       | 0.89                        | 1.28          | 1.31  |
| Middle       | 0.94                        | 1.32          | 1.28  |
| Highest      | 0.94                        | 1.32          | 1.27  |

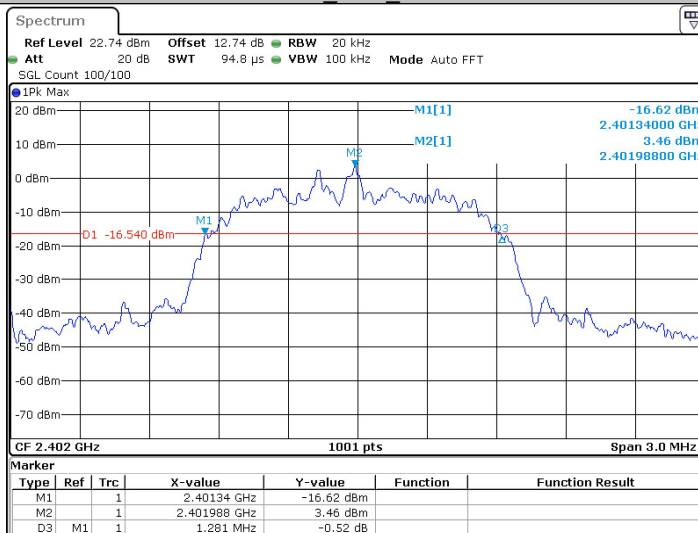
Test plot as follows:





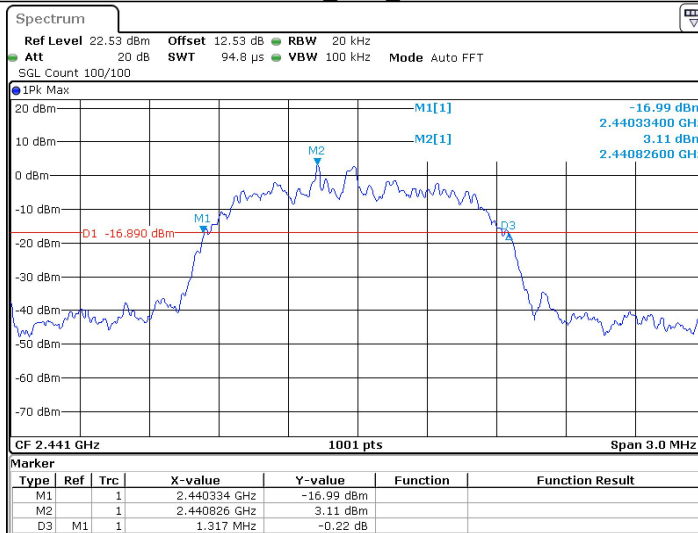
Date: 29.APR 2025 15:50:21

### 2DH5\_Ant1\_2402



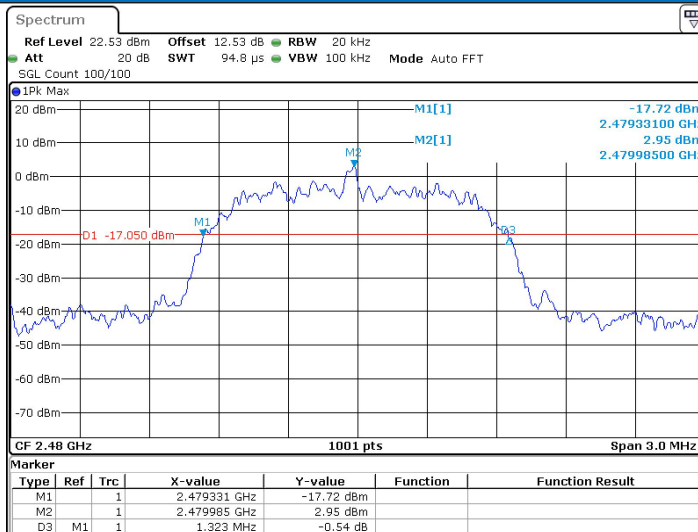
Date: 29.APR 2025 15:50:50

### 2DH5\_Ant1\_2441



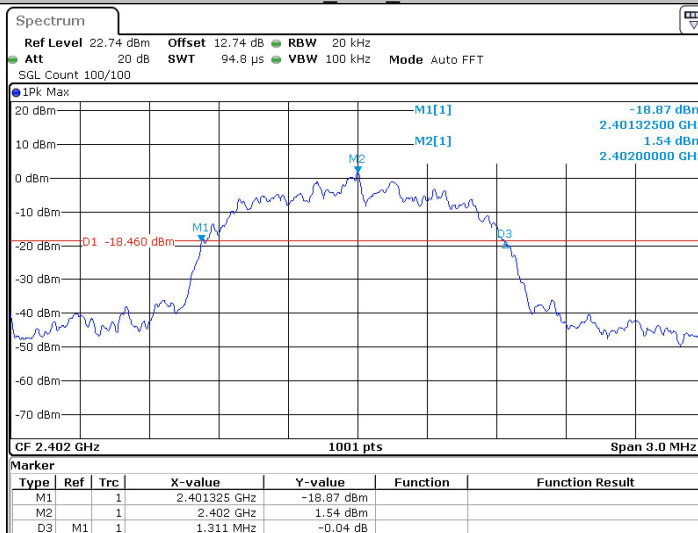
Date: 29.APR 2025 15:51:03

### 2DH5\_Ant1\_2480



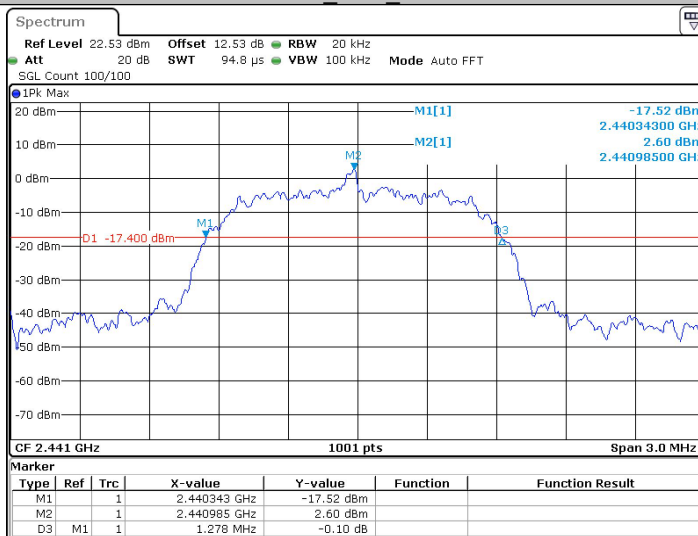
Date: 29.APR.2025 15:51:16

### 3DH5\_Ant1\_2402



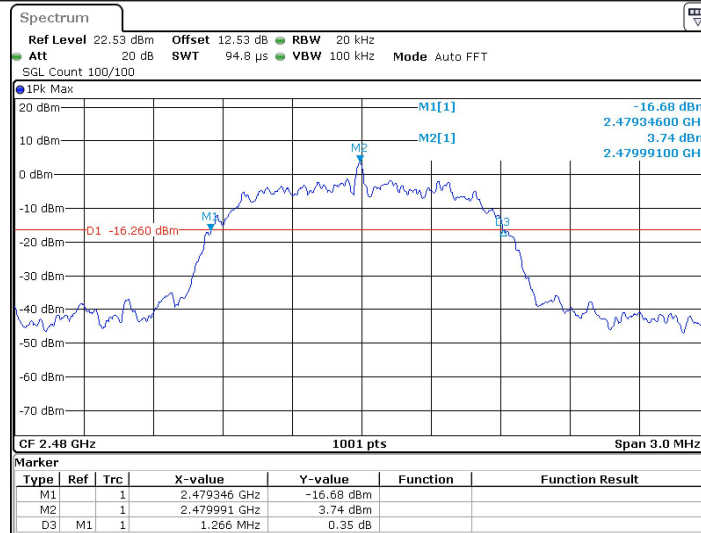
Date: 29.APR.2025 15:51:32

### 3DH5\_Ant1\_2441



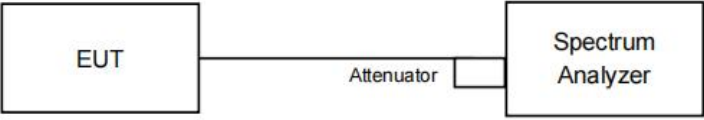
Date: 29.APR.2025 15:51:44

### 3DH5\_Ant1\_2480



Date: 29.APR.2025 15:51:57

## 5.5 Carrier Frequencies Separation

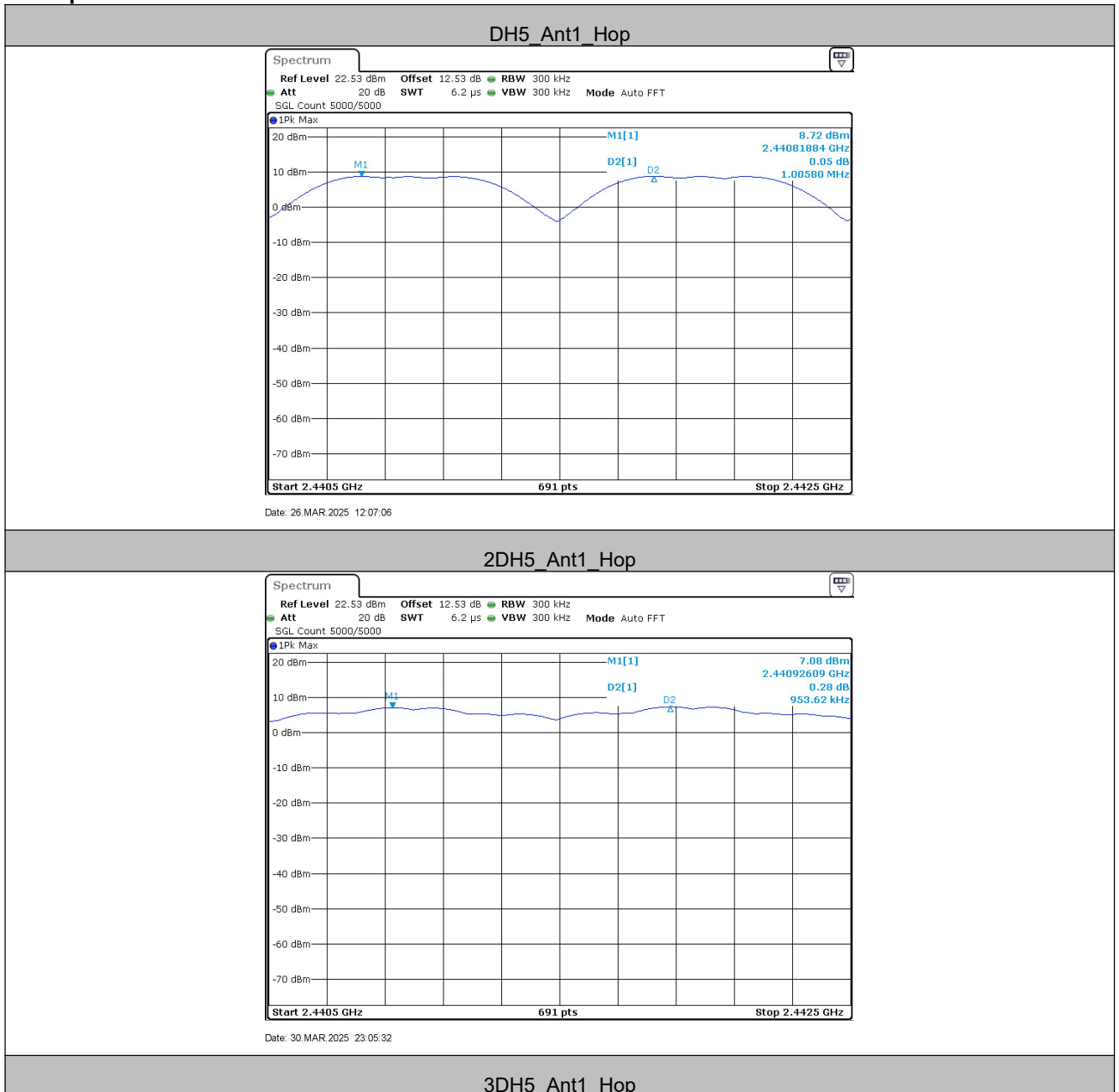
|                        |                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (a)(1)                                                                                                    |
| Test Method:           | ANSI C63.10:2013                                                                                                                         |
| Test Setup:            |  <p>Remark: Offset=Cable loss+ attenuation factor.</p> |
| Limit:                 | 2/3 of the 20dB bandwidth                                                                                                                |
|                        | Remark: the transmission power is less than 0.125W.                                                                                      |
| Exploratory Test Mode: | 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                                                                                                                                     |

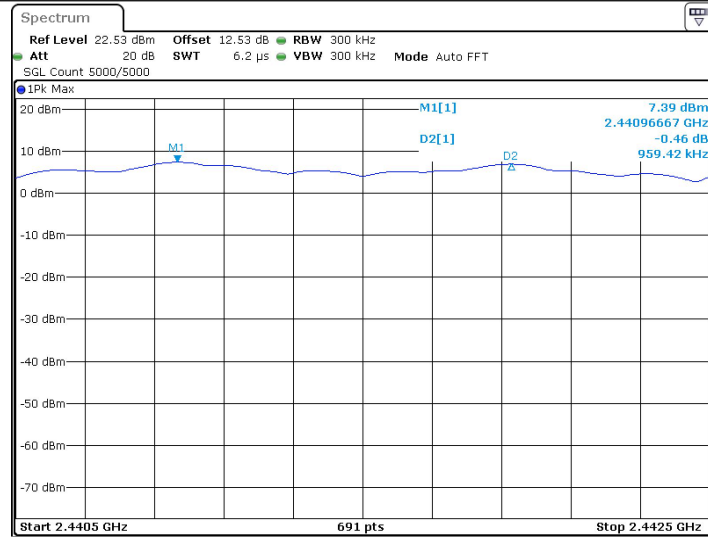
**Measurement Data**

| TestMode | Freq(MHz) | Result[MHz] | Limit[MHz]   | Verdict |
|----------|-----------|-------------|--------------|---------|
| DH5      | Hop       | 1.006       | $\geq 0.627$ | PASS    |
| 2DH5     | Hop       | 0.954       | $\geq 0.880$ | PASS    |
| 3DH5     | Hop       | 0.959       | $\geq 0.873$ | PASS    |

| Mode          | 20dB bandwidth (MHz)<br>(worse case) | Limit (MHz)<br>(Carrier Frequencies Separation) |
|---------------|--------------------------------------|-------------------------------------------------|
| GFSK          | 0.94                                 | $\geq 0.627$                                    |
| $\pi/4$ DQPSK | 1.32                                 | $\geq 0.880$                                    |
| 8DPSK         | 1.31                                 | $\geq 0.873$                                    |

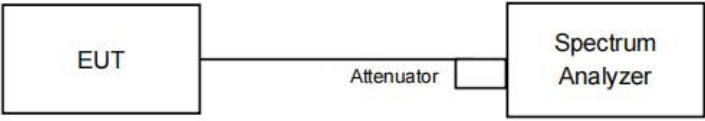
Test plot as follows:





Date: 30.MAR.2025 23:06:02

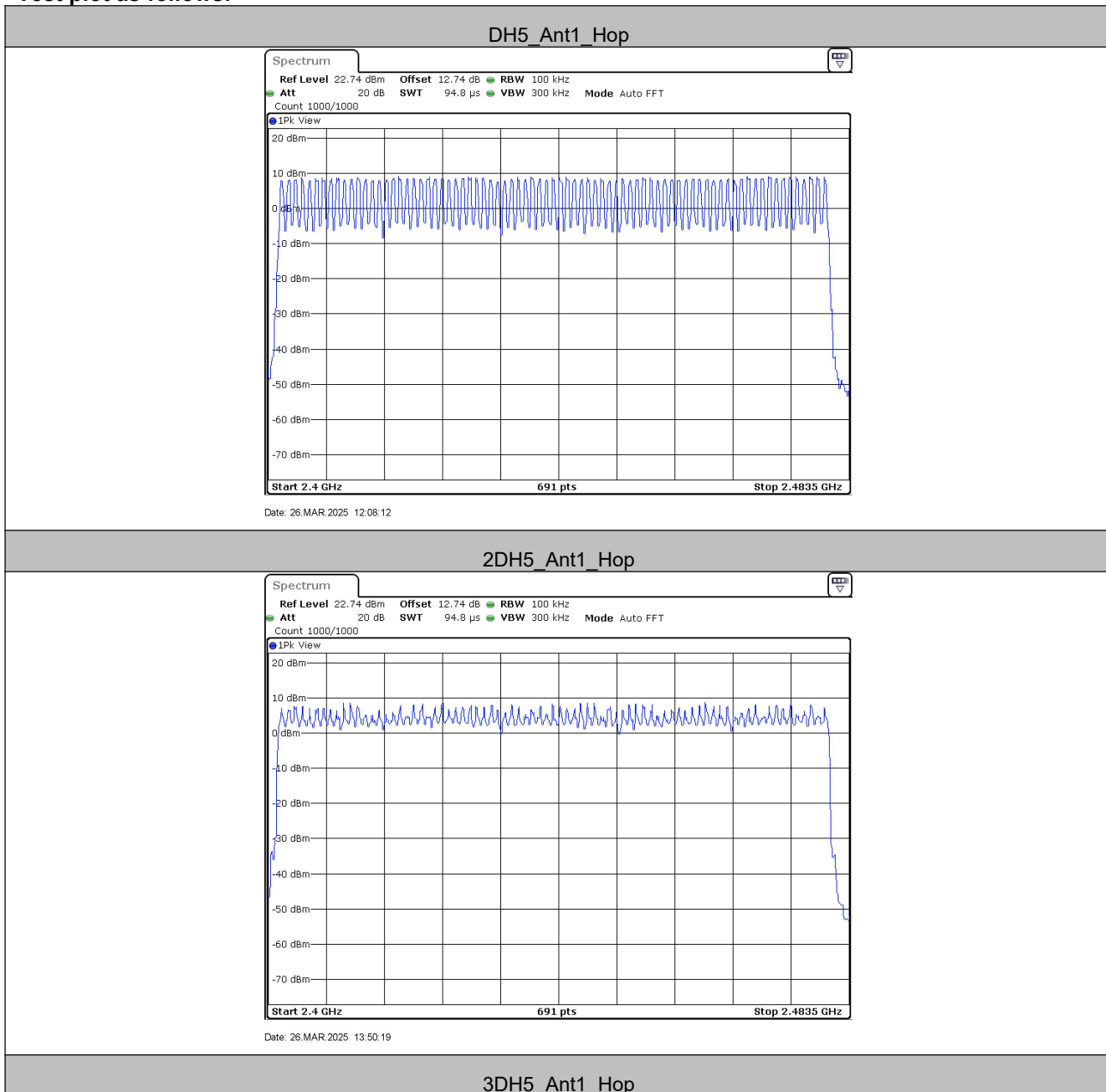
## 5.6 Hopping Channel Number

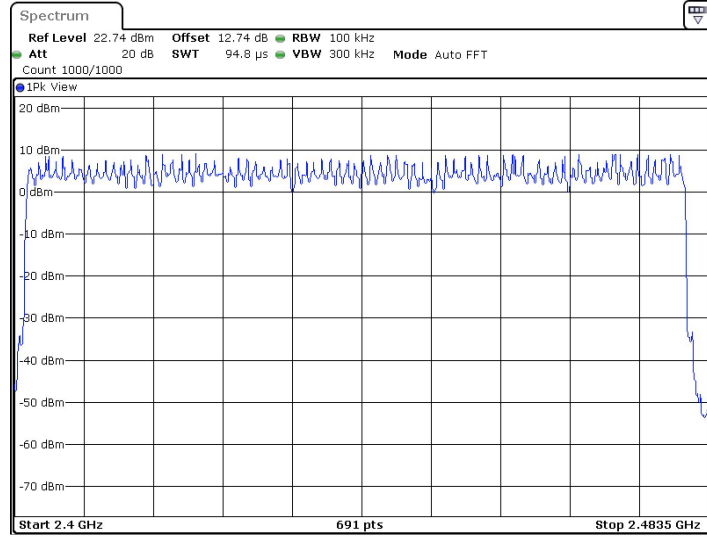
|                        |                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (a)(1)                                                                                                           |
| Test Method:           | ANSI C63.10:2013                                                                                                                                |
| Test Setup:            |  <p><i>Remark: Offset=Cable loss+ attenuation factor.</i></p> |
| Limit:                 | At least 15 channels                                                                                                                            |
| Exploratory Test Mode: | 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

| Mode          | Hopping channel numbers | Limit |
|---------------|-------------------------|-------|
| GFSK          | 79                      | ≥15   |
| $\pi/4$ DQPSK | 79                      | ≥15   |
| 8DPSK         | 79                      | ≥15   |

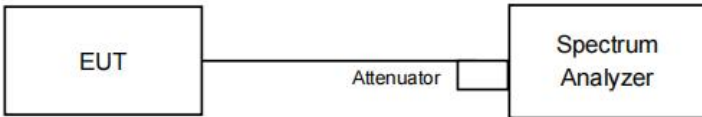
Test plot as follows:





Date: 26.MAR.2025 14:05:57

## 5.7 Dwell Time

|                   |                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.247 (a)(1)                                                                                                           |
| Test Method:      | ANSI C63.10:2013                                                                                                                                |
| Test Setup:       |  <p><i>Remark: Offset=Cable loss+ attenuation factor.</i></p> |
| Test Mode:        | Hopping transmitting with all kind of modulation and all kind of data type.                                                                     |
| Limit:            | 0.4 Second                                                                                                                                      |
| Test Results:     | Pass                                                                                                                                            |

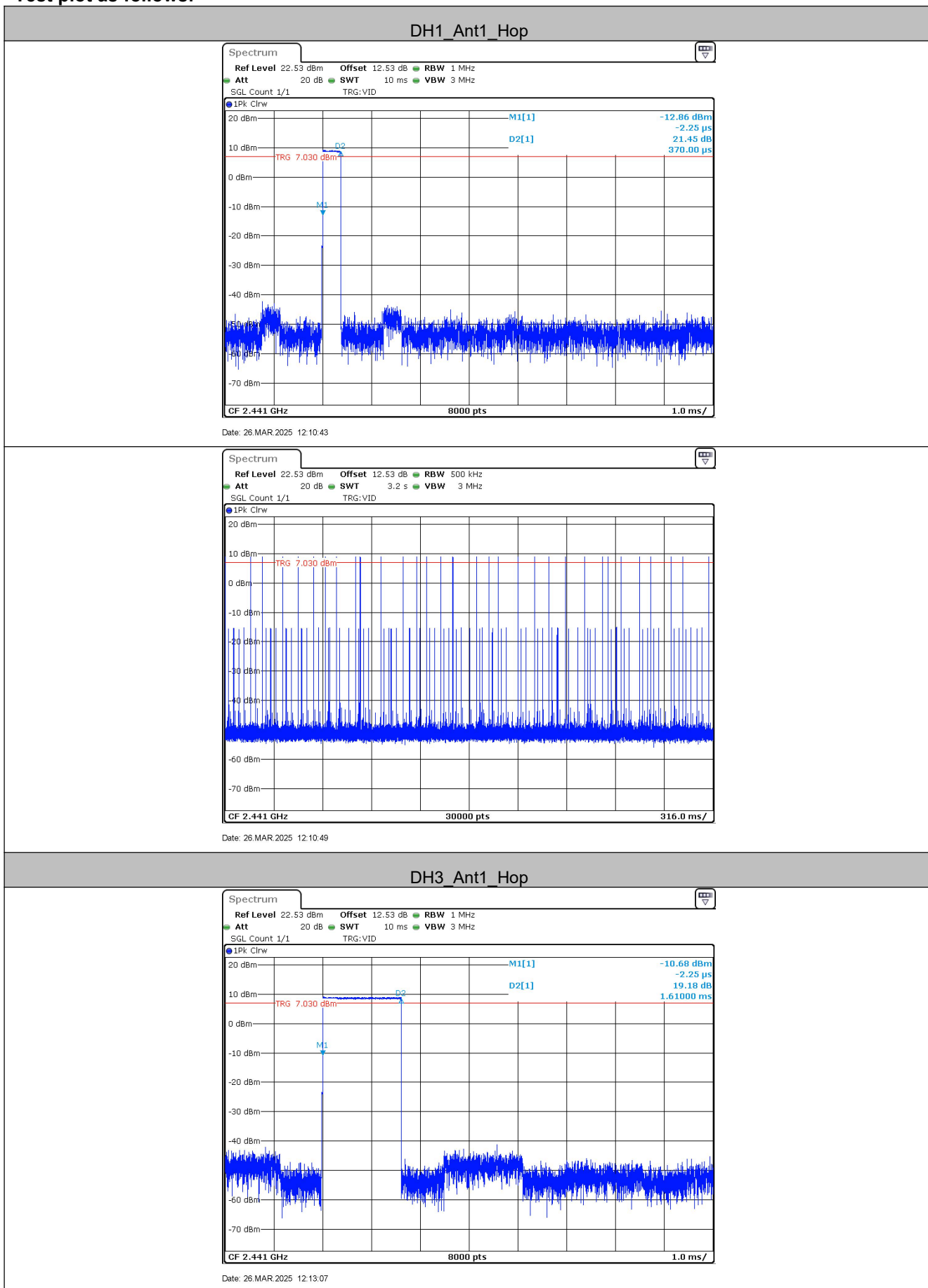
## Measurement Data

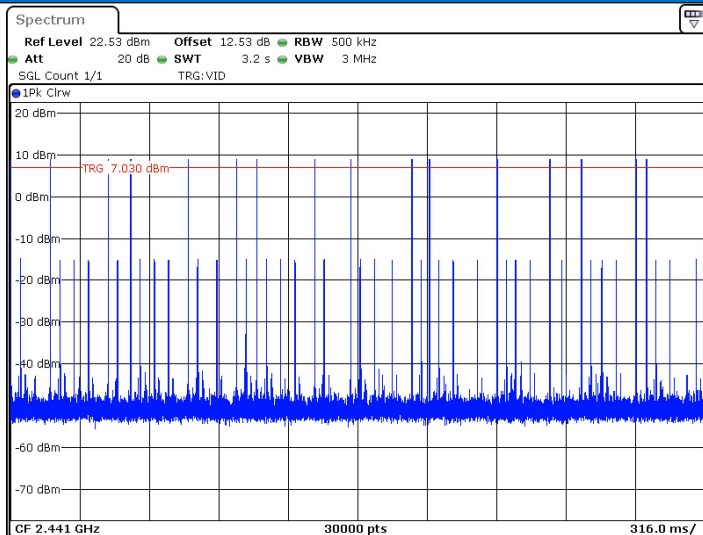
| TestMode | Freq(MHz) | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|-----------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Hop       | 0.370              | 320                | 0.118     | ≤0.4     | PASS    |
| DH3      | Hop       | 1.610              | 160                | 0.258     | ≤0.4     | PASS    |
| DH5      | Hop       | 2.850              | 110                | 0.314     | ≤0.4     | PASS    |
| 2DH1     | Hop       | 0.376              | 330                | 0.124     | ≤0.4     | PASS    |
| 2DH3     | Hop       | 1.621              | 160                | 0.259     | ≤0.4     | PASS    |
| 2DH5     | Hop       | 2.862              | 120                | 0.343     | ≤0.4     | PASS    |
| 3DH1     | Hop       | 0.378              | 320                | 0.121     | ≤0.4     | PASS    |
| 3DH3     | Hop       | 1.619              | 160                | 0.259     | ≤0.4     | PASS    |
| 3DH5     | Hop       | 2.863              | 110                | 0.315     | ≤0.4     | PASS    |

### Remark:

The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s

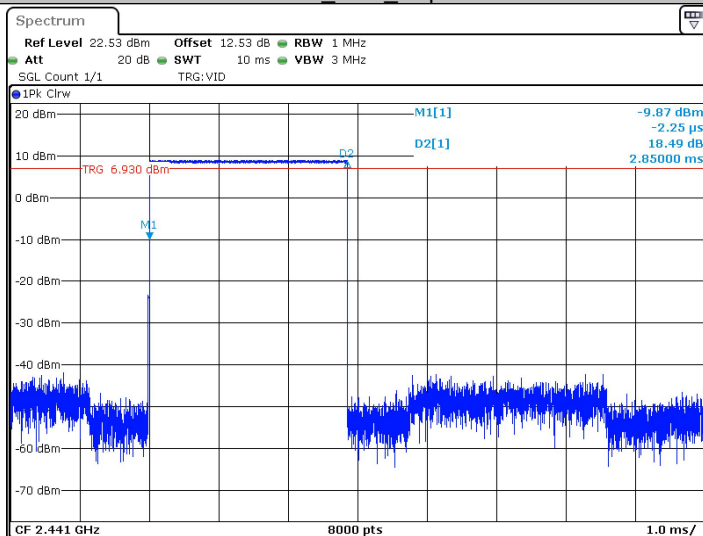
Test plot as follows:



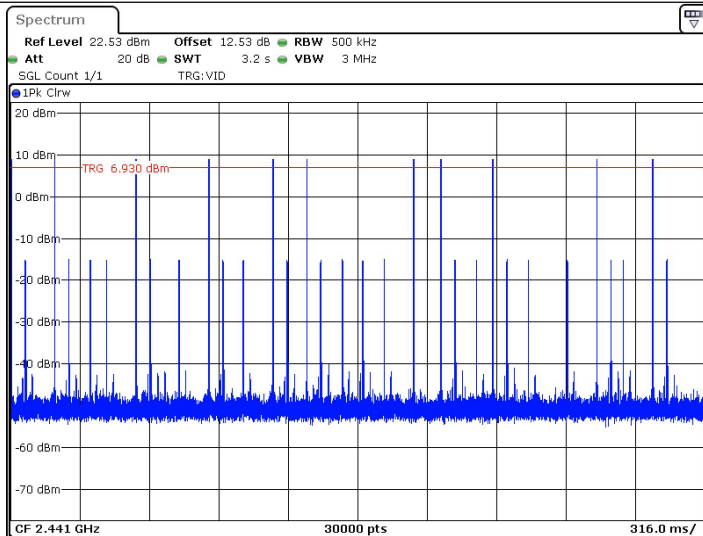


Date: 26.MAR.2025 12:13:12

### DH5\_Ant1\_Hop



Date: 26.MAR.2025 12:08:27



Date: 26.MAR.2025 12:08:33

### 2DH1\_Ant1\_Hop