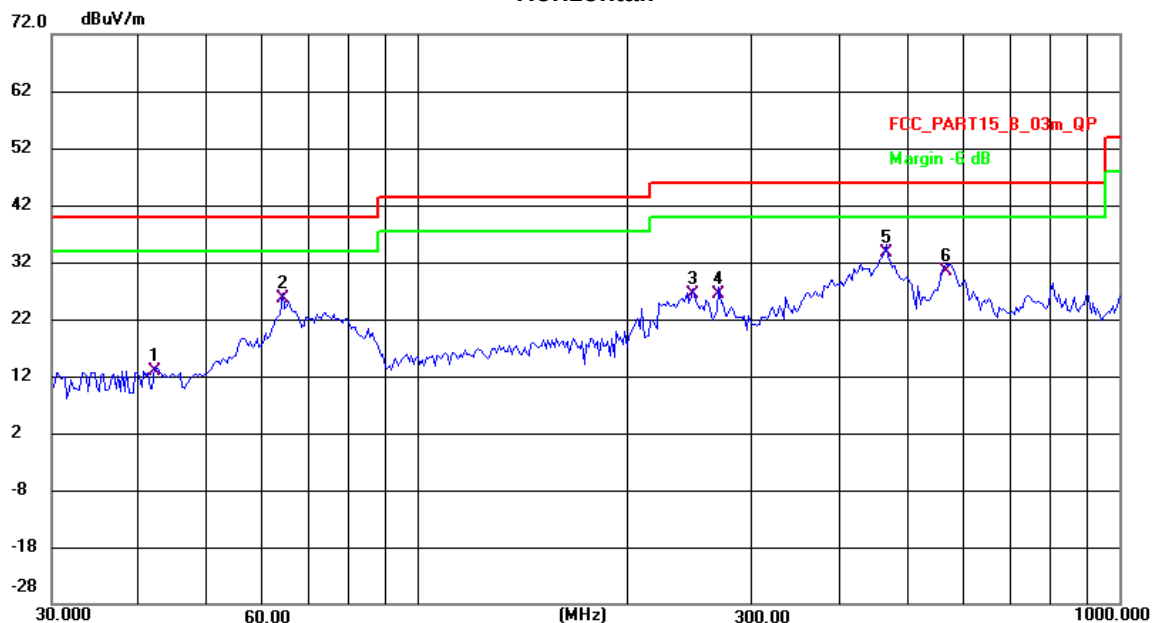


### Horizontal:



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1   | 42.0350         | 35.02          | -22.13        | 12.89          | 40.00          | -27.11      | QP       | P   |        |
| 2   | 64.0800         | 48.76          | -23.15        | 25.61          | 40.00          | -14.39      | QP       | P   |        |
| 3   | 246.9901        | 50.02          | -23.71        | 26.31          | 46.00          | -19.69      | QP       | P   |        |
| 4   | 268.7212        | 49.17          | -22.86        | 26.31          | 46.00          | -19.69      | QP       | P   |        |
| 5 * | 464.8867        | 51.07          | -17.49        | 33.58          | 46.00          | -12.42      | QP       | P   |        |
| 6   | 565.9774        | 45.16          | -14.89        | 30.27          | 46.00          | -15.73      | QP       | P   |        |

Remark: All modes have been tested, and only worst data of GFSK mode, Channel 2402MHz was listed in this report.

From 1G-25GHz

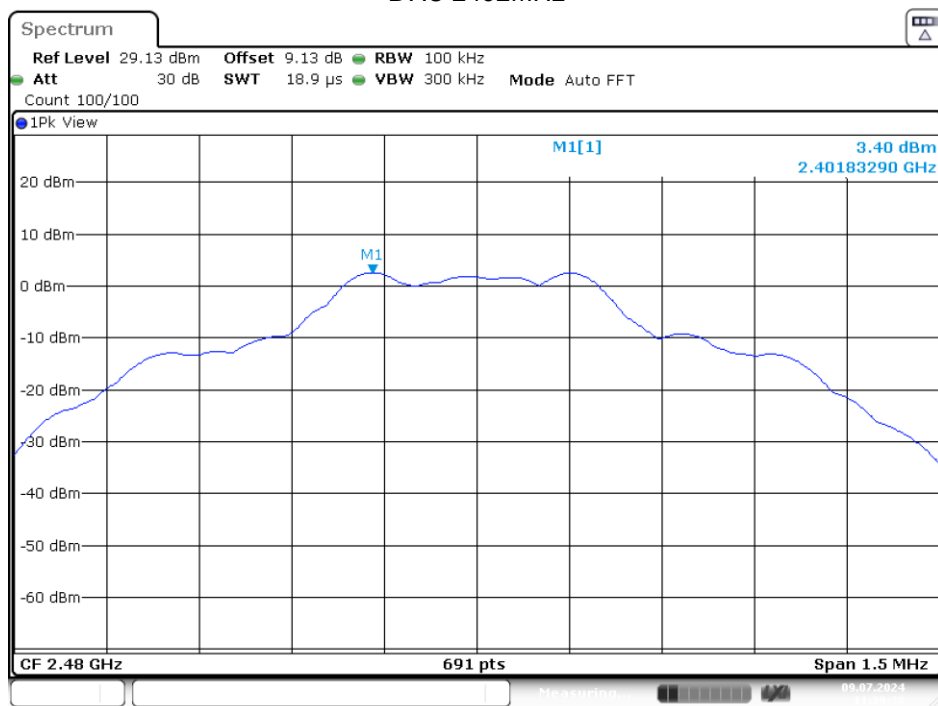
All modes had been tested, only show the worst mode GFSK

| Test Mode: GFSK TX Low                                                                            |                     |             |                       |                |                 |                 |                |             |        |
|---------------------------------------------------------------------------------------------------|---------------------|-------------|-----------------------|----------------|-----------------|-----------------|----------------|-------------|--------|
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Polar (H/V) | Antenna Factor (dB/m) | Cable loss(dB) | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
| 4804                                                                                              | 54.85               | V           | 33.93                 | 10.18          | 34.26           | 64.70           | 74             | -9.30       | PK     |
| 4804                                                                                              | 39.05               | V           | 33.93                 | 10.18          | 34.26           | 48.90           | 54             | -5.10       | AV     |
| 7206                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9608                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 4804                                                                                              | 54.31               | H           | 33.93                 | 10.18          | 34.26           | 64.16           | 74             | -9.84       | PK     |
| 4804                                                                                              | 38.96               | H           | 33.93                 | 10.18          | 34.26           | 48.81           | 54             | -5.19       | AV     |
| 7206                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9608                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| Test Mode: GFSK TX Mid                                                                            |                     |             |                       |                |                 |                 |                |             |        |
| 4882                                                                                              | 55.75               | V           | 33.95                 | 10.20          | 34.97           | 64.93           | 74             | -9.07       | PK     |
| 4882                                                                                              | 38.61               | V           | 33.95                 | 10.20          | 34.97           | 47.79           | 54             | -6.21       | AV     |
| 7323                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9764                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 4882                                                                                              | 55.96               | H           | 33.95                 | 10.2           | 34.97           | 65.14           | 74             | -8.86       | PK     |
| 4882                                                                                              | 39.31               | H           | 33.95                 | 10.2           | 34.97           | 48.49           | 54             | -5.51       | AV     |
| 7323                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9764                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| Test Mode: GFSK TX High                                                                           |                     |             |                       |                |                 |                 |                |             |        |
| 4960                                                                                              | 54.96               | V           | 33.98                 | 10.22          | 34.25           | 64.91           | 74             | -9.09       | PK     |
| 4960                                                                                              | 38.01               | V           | 33.98                 | 10.22          | 34.25           | 47.96           | 54             | -6.04       | AV     |
| 7440                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9920                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 4960                                                                                              | 54.05               | H           | 33.98                 | 10.22          | 34.25           | 64.00           | 74             | -10.00      | PK     |
| 4960                                                                                              | 38.64               | H           | 33.98                 | 10.22          | 34.25           | 48.59           | 54             | -5.41       | AV     |
| 7440                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9920                                                                                              | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| Note:                                                                                             |                     |             |                       |                |                 |                 |                |             |        |
| 1, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |             |                       |                |                 |                 |                |             |        |
| 2, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |             |                       |                |                 |                 |                |             |        |

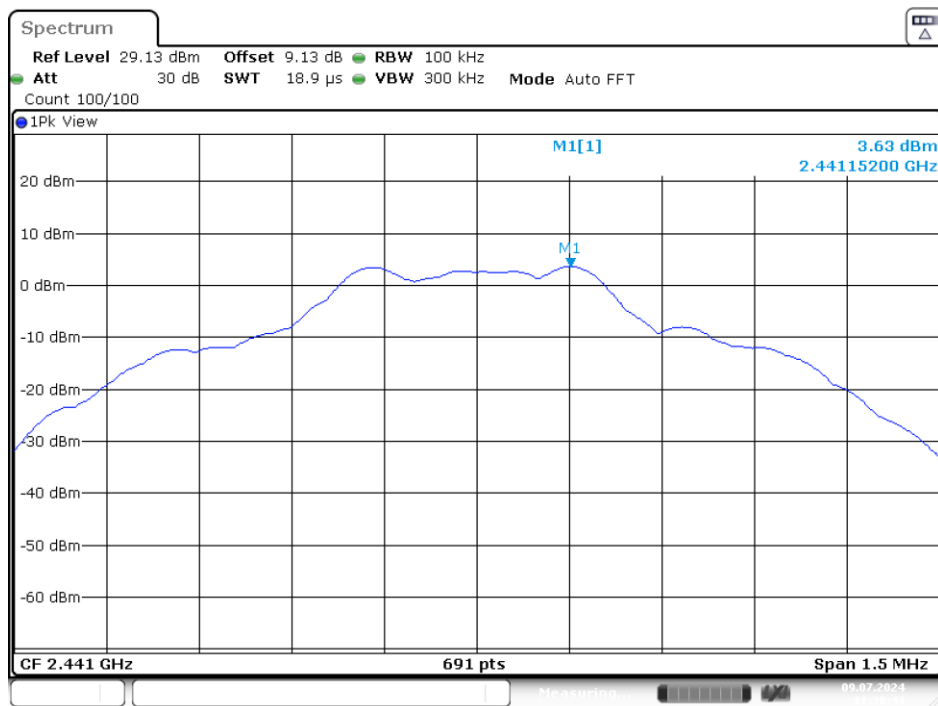
## Reference level measurement

| TestMode | Antenna | Freq(MHz) | Max.Point<br>[MHz] | Result<br>[dBm] |
|----------|---------|-----------|--------------------|-----------------|
| DH5      | Ant1    | 2402      | 2401.83290         | 3.40            |
|          |         | 2441      | 2441.15200         | 3.63            |
|          |         | 2480      | 2479.83070         | 2.59            |
| 2DH5     | Ant1    | 2402      | 2401.83290         | 2.35            |
|          |         | 2441      | 2441.14980         | 2.63            |
|          |         | 2480      | 2479.83070         | 1.57            |
| 3DH5     | Ant1    | 2402      | 2402.14980         | 2.12            |
|          |         | 2441      | 2441.15200         | 2.47            |
|          |         | 2480      | 2480.14980         | 1.23            |

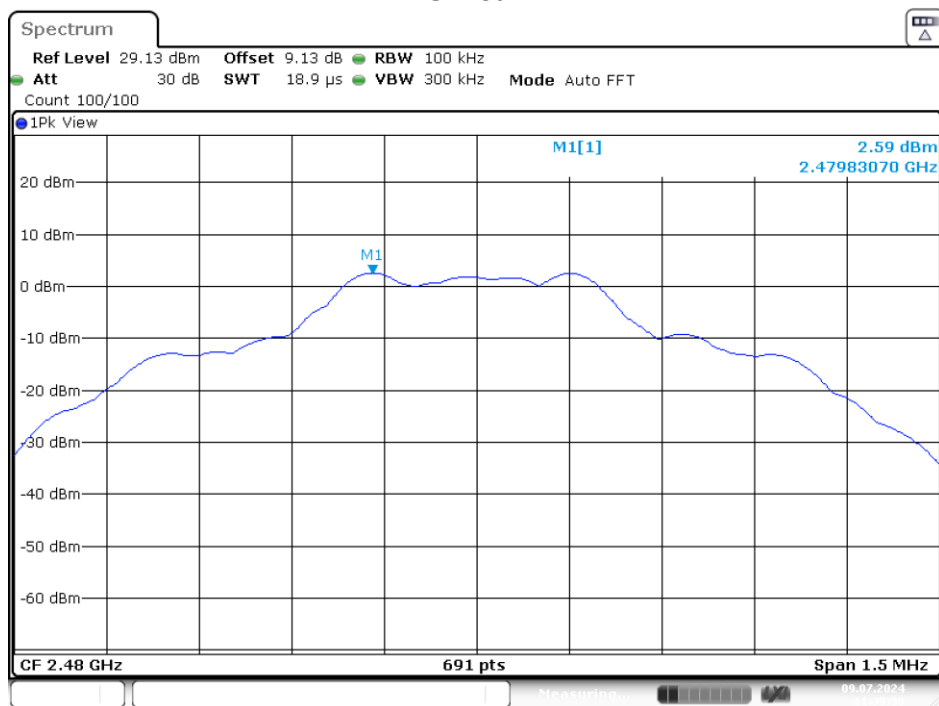
### DH5 2402MHz



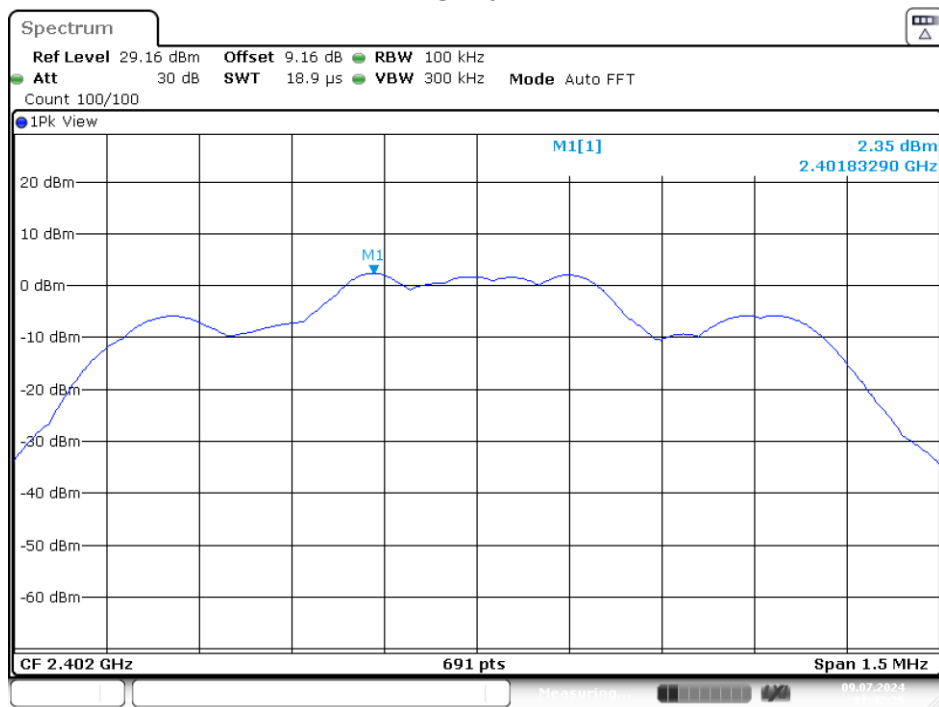
### DH5 2441MHz



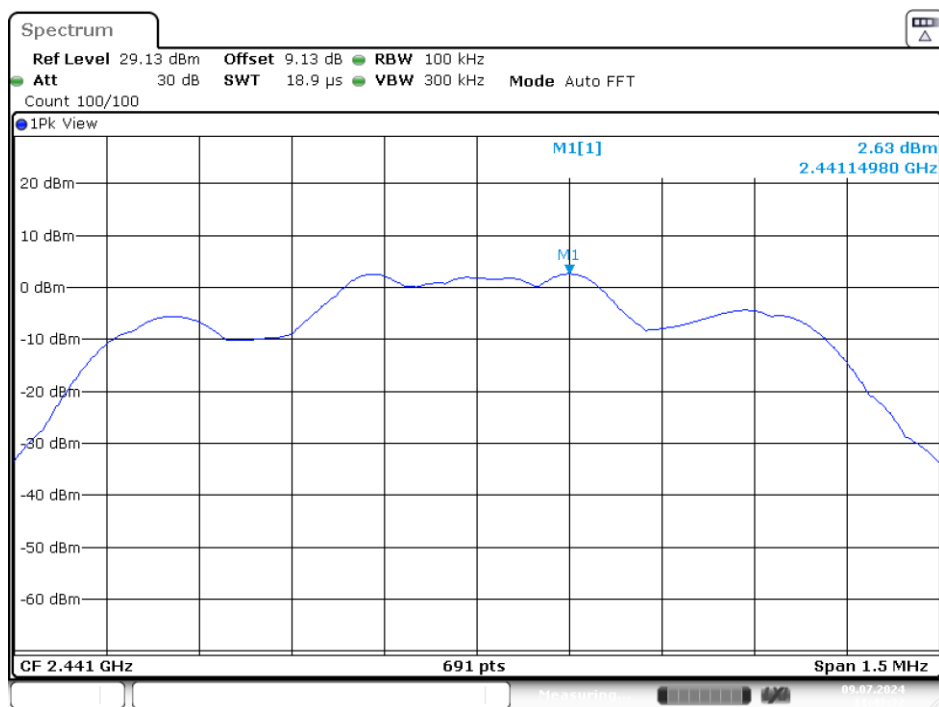
### DH5 2480MHz



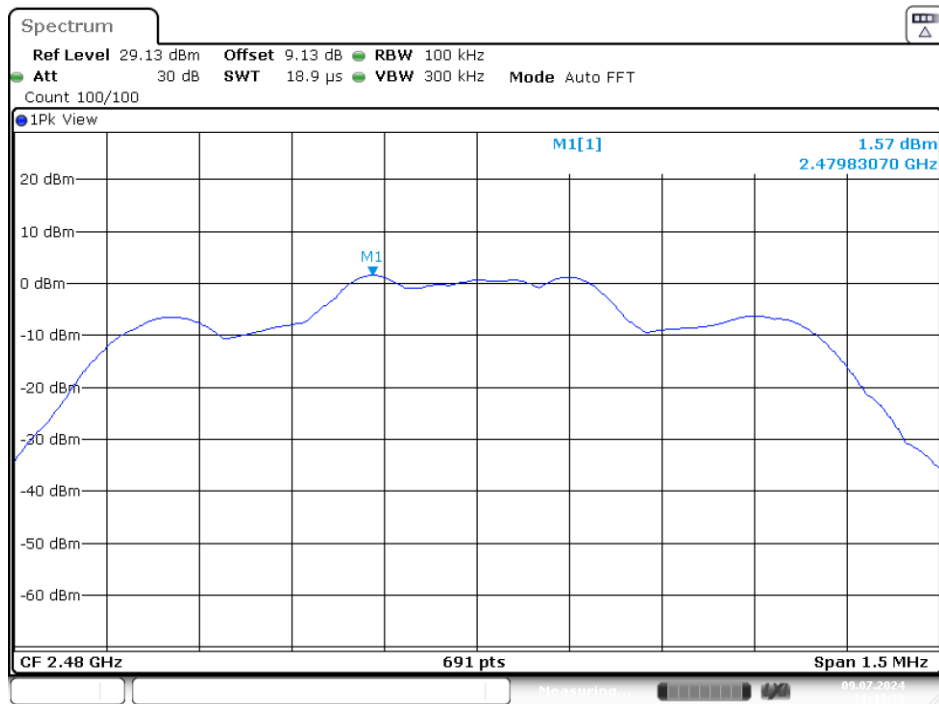
### 2DH5 2402MHz



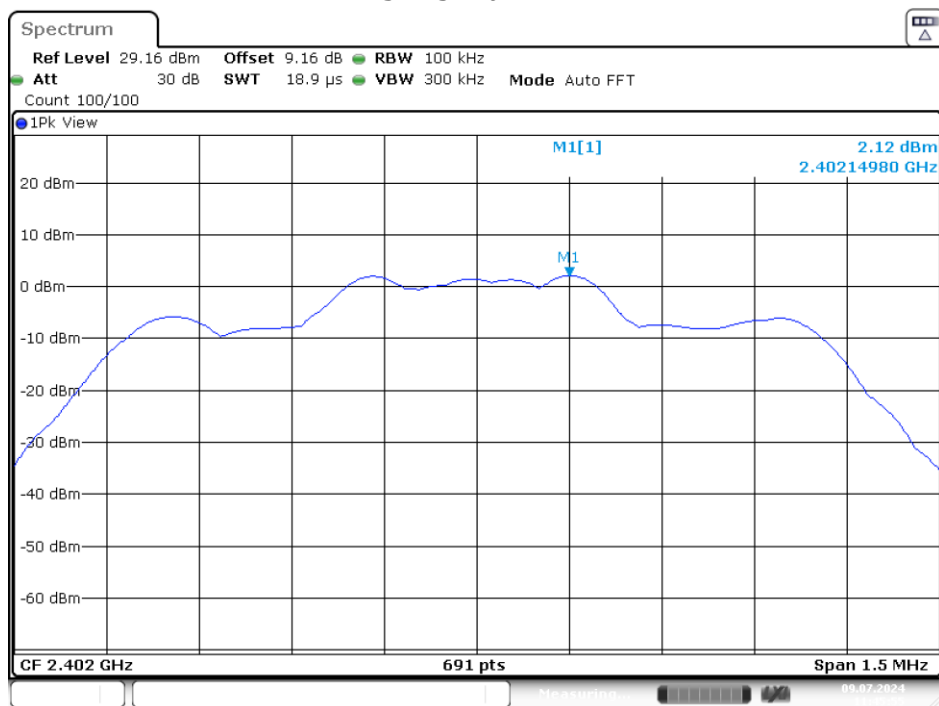
## 2DH5 2441MHz



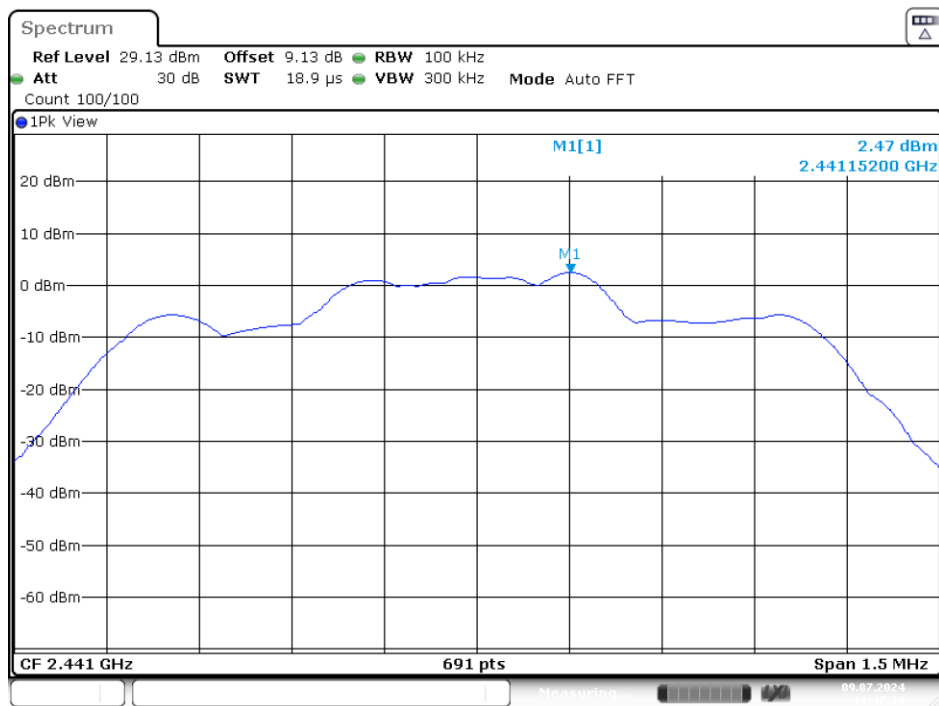
## 2DH5 2480MHz



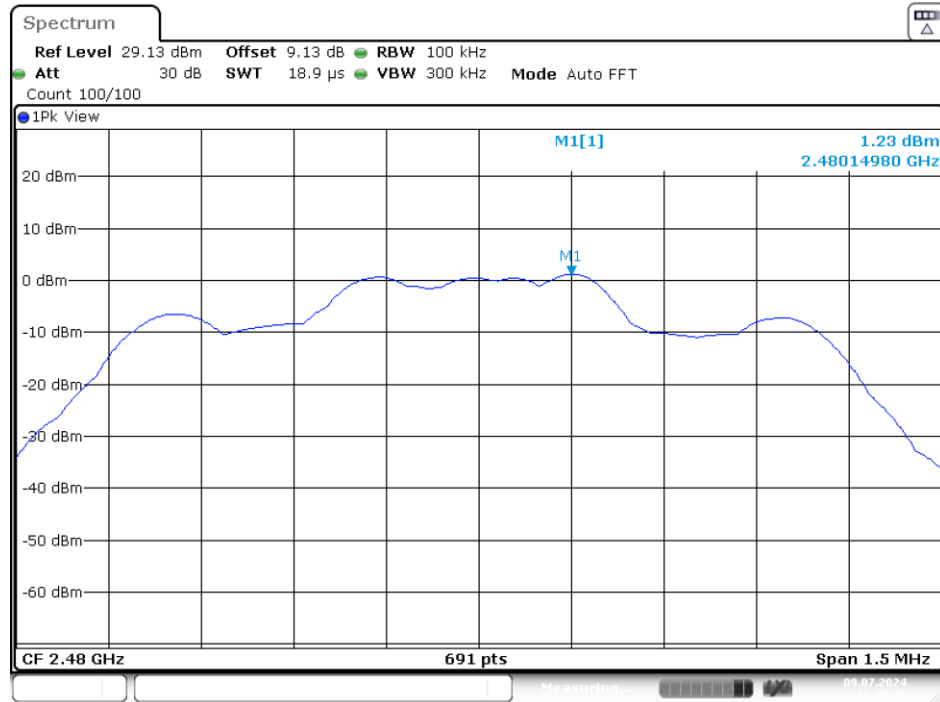
### 3DH5 2402MHz



### 3DH5 2441MHz

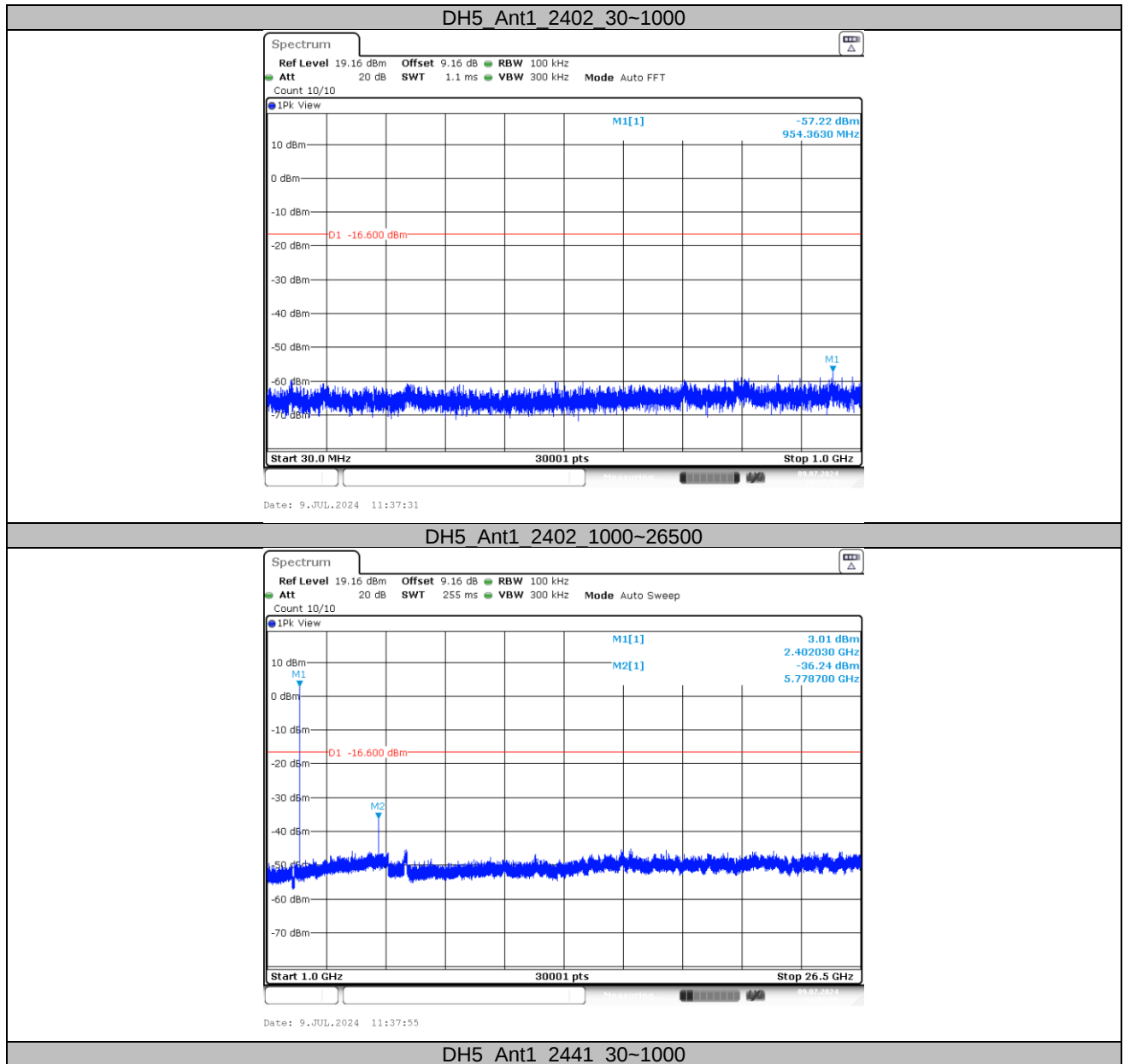


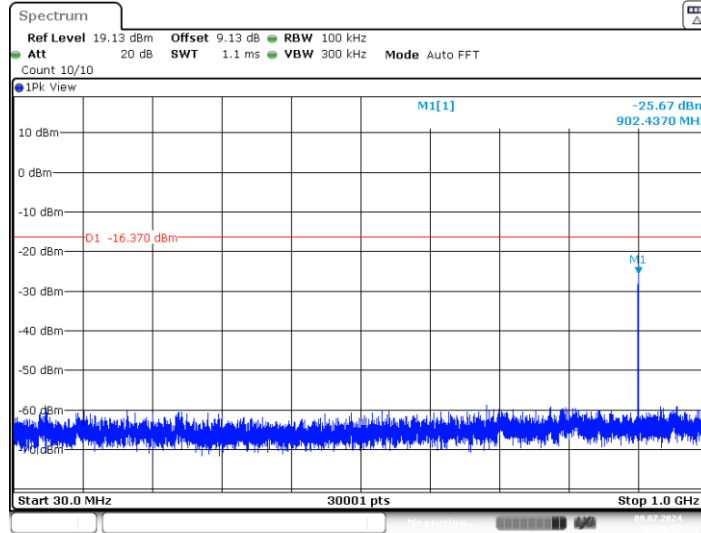
## 3DH5 2480MHz



Date: 9.JUL.2024 11:48:26

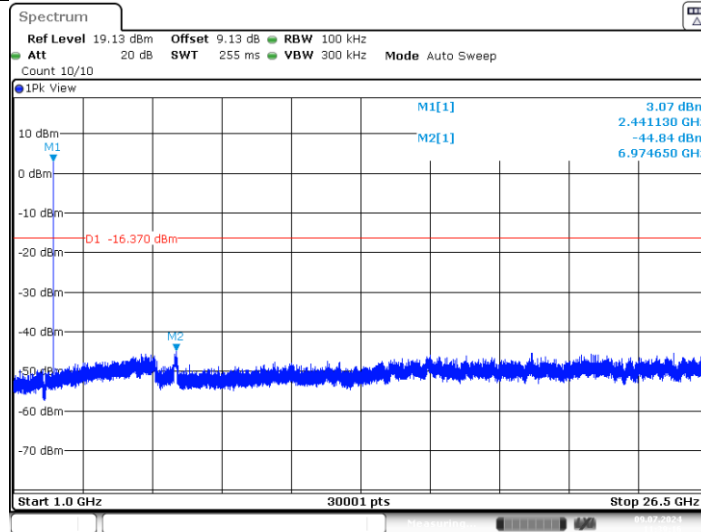
| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|-----------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402      | 30~1000         | 3.40           | -57.22       | ≤-16.6      | PASS    |
|          |         |           | 1000~26500      | 3.40           | -36.24       | ≤-16.6      | PASS    |
|          |         | 2441      | 30~1000         | 3.63           | -25.67       | ≤-16.37     | PASS    |
|          |         |           | 1000~26500      | 3.63           | -44.84       | ≤-16.37     | PASS    |
|          |         | 2480      | 30~1000         | 2.59           | -58.93       | ≤-17.41     | PASS    |
|          |         |           | 1000~26500      | 2.59           | -43.66       | ≤-17.41     | PASS    |
| 2DH5     | Ant1    | 2402      | 30~1000         | 2.35           | -57.59       | ≤-17.65     | PASS    |
|          |         |           | 1000~26500      | 2.35           | -45.25       | ≤-17.65     | PASS    |
|          |         | 2441      | 30~1000         | 2.63           | -57.17       | ≤-17.37     | PASS    |
|          |         |           | 1000~26500      | 2.63           | -36.48       | ≤-17.37     | PASS    |
|          |         | 2480      | 30~1000         | 1.57           | -59.03       | ≤-18.43     | PASS    |
|          |         |           | 1000~26500      | 1.57           | -44.32       | ≤-18.43     | PASS    |
| 3DH5     | Ant1    | 2402      | 30~1000         | 2.12           | -59.05       | ≤-17.88     | PASS    |
|          |         |           | 1000~26500      | 2.12           | -44.54       | ≤-17.88     | PASS    |
|          |         | 2441      | 30~1000         | 2.47           | -58.76       | ≤-17.53     | PASS    |
|          |         |           | 1000~26500      | 2.47           | -45.27       | ≤-17.53     | PASS    |
|          |         | 2480      | 30~1000         | 1.23           | -58.17       | ≤-18.77     | PASS    |
|          |         |           | 1000~26500      | 1.23           | -45.31       | ≤-18.77     | PASS    |





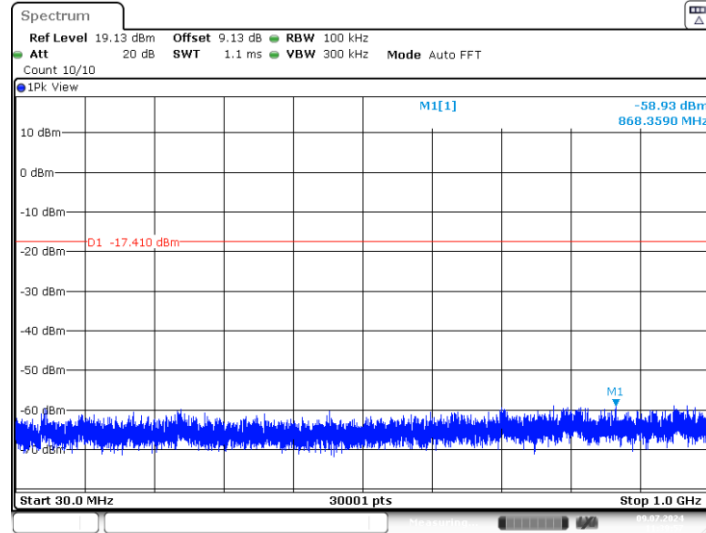
Date: 9.JUL.2024 11:38:52

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



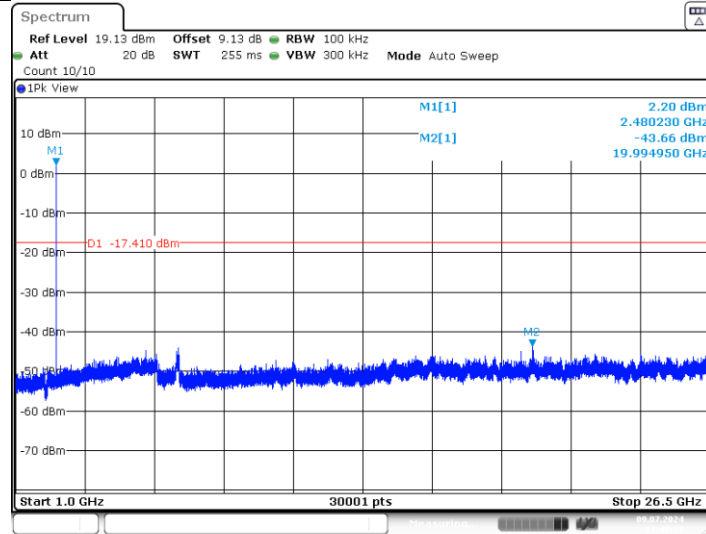
Date: 9.JUL.2024 11:39:16

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



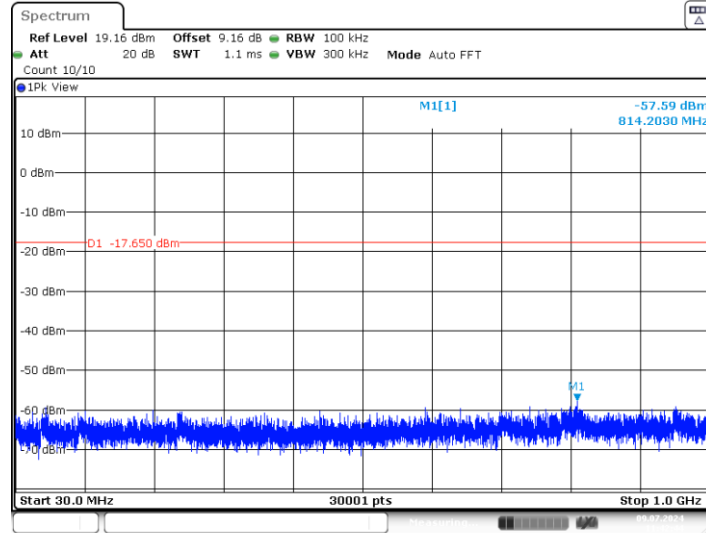
Date: 9.JUL.2024 11:39:57

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



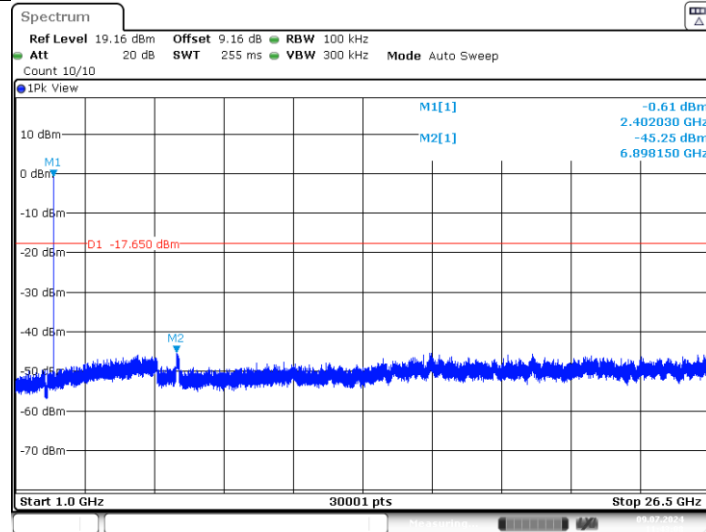
Date: 9.JUL.2024 11:40:22

### 2DH5\_Ant1\_2402\_30~1000



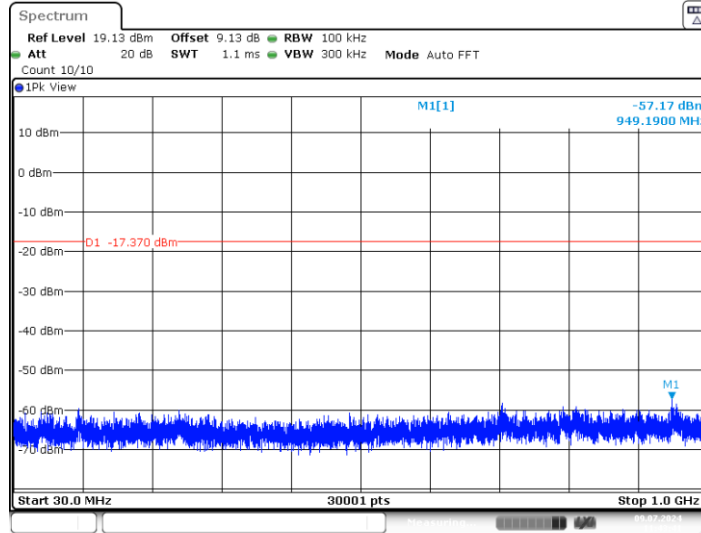
Date: 9.JUL.2024 11:42:44

2DH5 Ant1 2402\_1000~26500



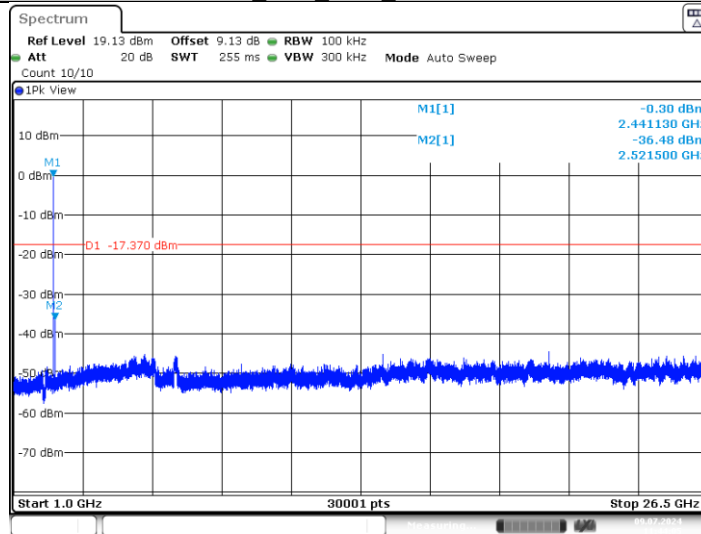
Date: 9.JUL.2024 11:43:09

2DH5 Ant1 2441\_30~1000



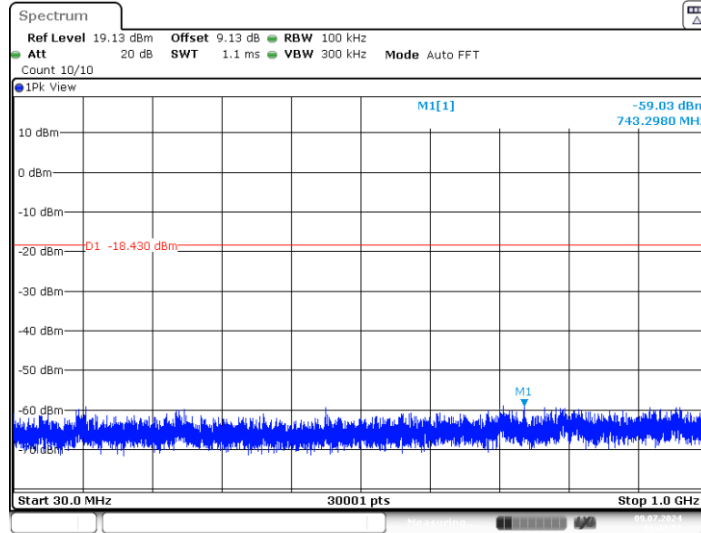
Date: 9.JUL.2024 11:43:41

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



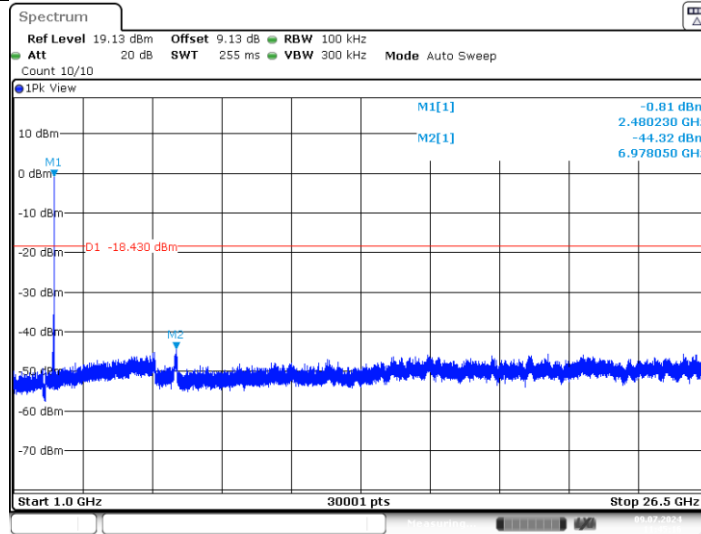
Date: 9.JUL.2024 11:44:06

### 2DH5\_Ant1\_2480\_30~1000



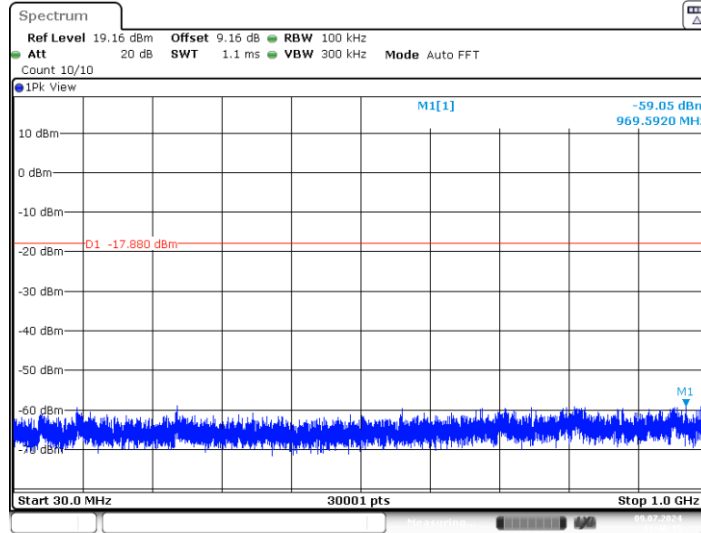
Date: 9.JUL.2024 11:44:52

### 2DH5 Ant1 2480 1000~26500



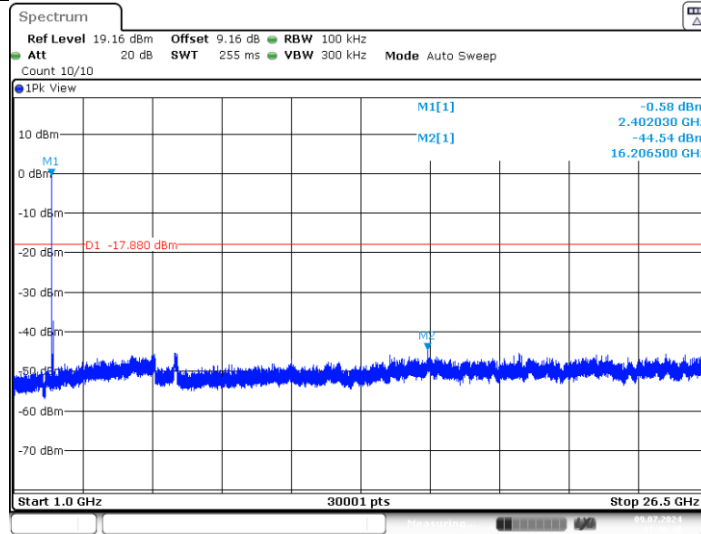
Date: 9.JUL.2024 11:45:16

### 3DH5 Ant1 2402 30~1000



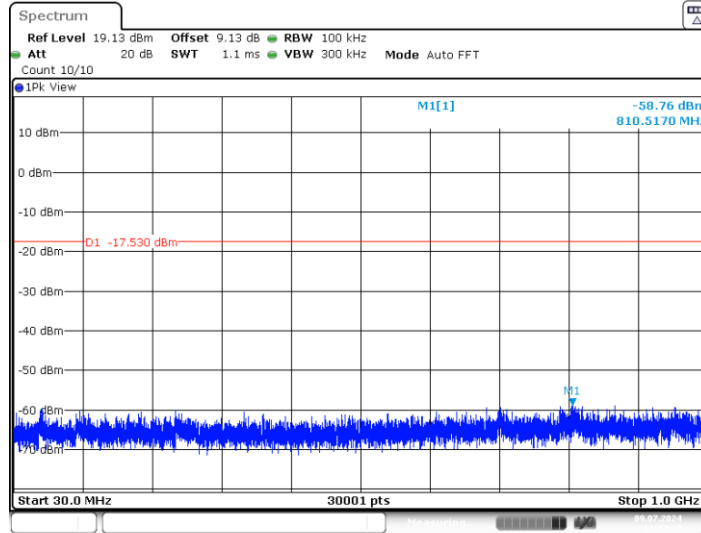
Date: 9.JUL.2024 11:46:14

### 3DH5 Ant1 2402\_1000~26500



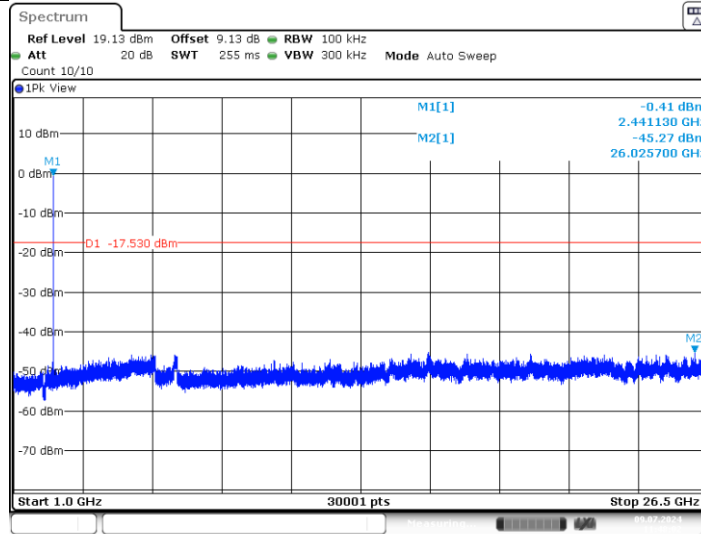
Date: 9.JUL.2024 11:46:39

### 3DH5 Ant1 2441\_30~1000



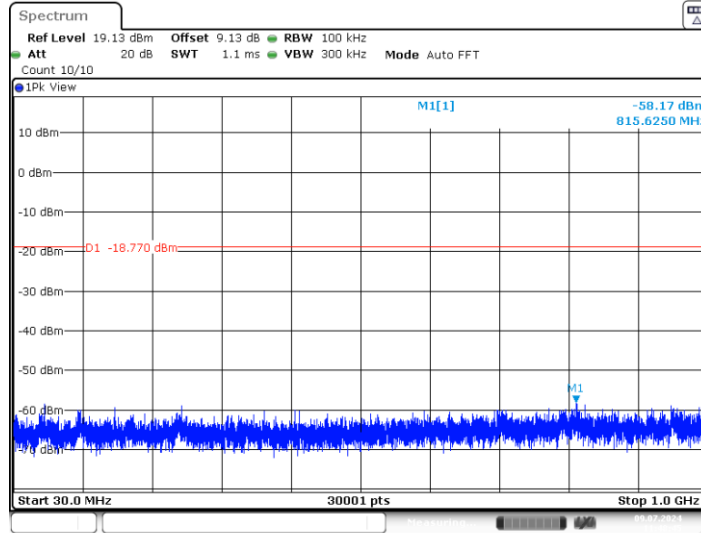
Date: 9.JUL.2024 11:47:38

### 3DH5 Ant1 2441\_1000~26500



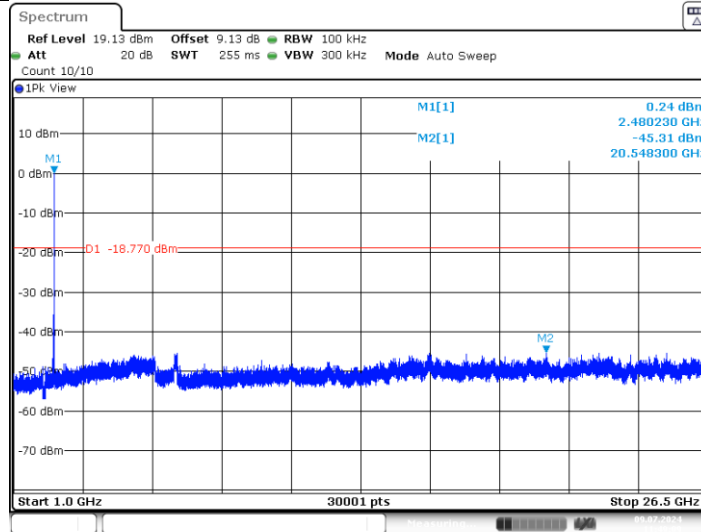
Date: 9.JUL.2024 11:48:03

### 3DH5 Ant1 2480\_30~1000



Date: 9.JUL.2024 11:48:45

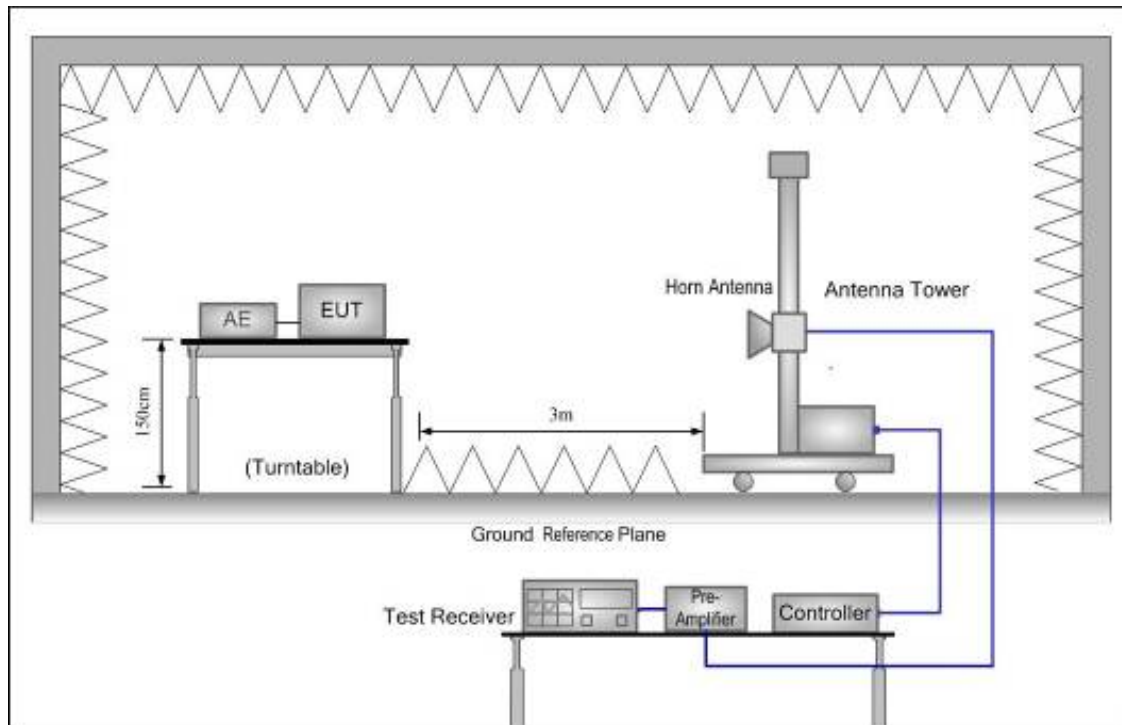
### 3DH5 Ant1 2480 1000~26500



Date: 9.JUL.2024 11:49:10

## 9. BAND EDGE COMPLIANCE

### 9.1. Block Diagram of Test Setup



### 9.2. Limit

All the lower and upper band-edges emissions appearing within restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

### 9.3. Test Procedure

All restriction band and non- restriction band have been tested , only worse case is reported.

### 9.4. Test Result

PASS. (See below detailed test data)

| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS            |                |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|----------------|-----------------|----------------|--------|--------|
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2310MHz~2410MHz |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | GFSK TX 2402MHz |                |        |        |
| N o.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | 73.05            | -21.47         | 51.58           | 74.00          | -22.42 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | --               | -21.47         | --              | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | 76.01            | -26.12         | 49.89           | 74.00          | -24.11 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | --               | -26.12         | --              | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | 73.15            | -21.47         | 51.68           | 74.00          | -22.32 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | --               | -21.47         | --              | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | 74.06            | -26.12         | 47.94           | 74.00          | -26.06 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | --               | -26.12         | --              | 54.00          | --     | Avg    |
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS            |                |        |        |
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2450MHz~2550MHz |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | GFSK TX 2480MHz |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | 76.51            | -25.29         | 51.22           | 74.00          | -22.78 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | --               | -25.29         | --              | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | 77.61            | -25.29         | 52.32           | 74.00          | -21.68 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | --               | -25.29         | --              | 54.00          | --     | Avg    |
| Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.<br>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.<br>Result=Reading + Correct Factor.<br>Margin= Result-Limit.<br>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. |          |          |                  |                |                 |                |        |        |

| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS                     |                |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|----------------|--------------------------|----------------|--------|--------|
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2310MHz~2410MHz          |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | $\pi/4$ DQPSK TX 2402MHz |                |        |        |
| N o.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m)          | Limit (dBuV/m) | Margin | Remark |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | 74.92            | -21.47         | 53.45                    | 74.00          | -20.55 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | --               | -21.47         | --                       | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | 75.94            | -26.12         | 49.82                    | 74.00          | -24.18 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | --               | -26.12         | --                       | 54.00          | --     | Avg    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                |                          |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | 74.07            | -21.47         | 52.6                     | 74.00          | -21.40 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | --               | -21.47         | --                       | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | 75.64            | -26.12         | 49.52                    | 74.00          | -24.48 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | --               | -26.12         | --                       | 54.00          | --     | Avg    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                |                          |                |        |        |
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS                     |                |        |        |
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2450MHz~2550MHz          |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | $\pi/4$ DQPSK TX 2480MHz |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | 77.54            | -25.29         | 52.25                    | 74.00          | -21.75 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | --               | -25.29         | --                       | 54.00          | --     | Avg    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                |                          |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | 78.01            | -25.29         | 52.72                    | 74.00          | -21.28 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | --               | -25.29         | --                       | 54.00          | --     | Avg    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                |                          |                |        |        |
| Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.<br>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.<br>Result=Reading + Correct Factor.<br>Margin= Result-Limit.<br>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. |          |          |                  |                |                          |                |        |        |

| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS             |                |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|----------------|------------------|----------------|--------|--------|
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2310MHz~2410MHz  |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | 8DPSK TX 2402MHz |                |        |        |
| N o.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m)  | Limit (dBuV/m) | Margin | Remark |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | 74.63            | -21.47         | 53.16            | 74.00          | -20.84 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | --               | -21.47         | --               | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | 75.57            | -26.12         | 49.45            | 74.00          | -24.55 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | --               | -26.12         | --               | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | 74.06            | -21.47         | 52.59            | 74.00          | -21.41 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | --               | -21.47         | --               | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | 76.99            | -26.12         | 50.87            | 74.00          | -23.13 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | --               | -26.12         | --               | 54.00          | --     | Avg    |
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS             |                |        |        |
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2450MHz~2550MHz  |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | 8DPSK TX 2480MHz |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | 78.32            | -25.29         | 53.03            | 74.00          | -20.97 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | --               | -25.29         | --               | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | 77.05            | -25.29         | 51.76            | 74.00          | -22.24 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | --               | -25.29         | --               | 54.00          | --     | Avg    |
| Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.<br>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.<br>Result=Reading + Correct Factor.<br>Margin= Result-Limit.<br>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. |          |          |                  |                |                  |                |        |        |

| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS            |                |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|----------------|-----------------|----------------|--------|--------|
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2310MHz~2410MHz |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | GFSK Hopping    |                |        |        |
| N o.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | 73.38            | -21.47         | 51.91           | 74.00          | -22.09 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | --               | -21.47         | --              | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | 76.21            | -26.12         | 50.09           | 74.00          | -23.91 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | --               | -26.12         | --              | 54.00          | --     | Avg    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                |                 |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | 74.01            | -21.47         | 52.54           | 74.00          | -21.46 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | --               | -21.47         | --              | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | 76.84            | -26.12         | 50.72           | 74.00          | -23.28 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | --               | -26.12         | --              | 54.00          | --     | Avg    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                |                 |                |        |        |
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS            |                |        |        |
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2450MHz~2550MHz |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | GFSK Hopping    |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | 79.12            | -25.29         | 53.83           | 74.00          | -20.17 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | --               | -25.29         | --              | 54.00          | --     | Avg    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                |                 |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | 73.31            | -25.29         | 48.02           | 74.00          | -25.98 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | --               | -25.29         | --              | 54.00          | --     | Avg    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                |                 |                |        |        |
| Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.<br>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.<br>Result=Reading + Correct Factor.<br>Margin= Result-Limit.<br>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. |          |          |                  |                |                 |                |        |        |

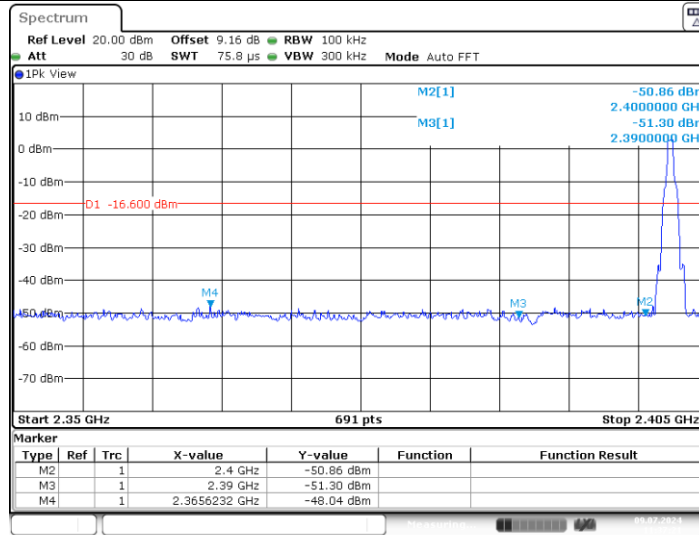
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS                  |                |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|----------------|-----------------------|----------------|--------|--------|
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2310MHz~2410MHz       |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | $\pi/4$ DQPSK Hopping |                |        |        |
| N o.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m)       | Limit (dBuV/m) | Margin | Remark |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | 72.34            | -21.47         | 50.87                 | 74.00          | -23.13 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | --               | -21.47         | --                    | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | 73.24            | -26.12         | 47.12                 | 74.00          | -26.88 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | --               | -26.12         | --                    | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | 74.02            | -21.47         | 52.55                 | 74.00          | -21.45 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | --               | -21.47         | --                    | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | 74.76            | -26.12         | 48.64                 | 74.00          | -25.36 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | --               | -26.12         | --                    | 54.00          | --     | Avg    |
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS                  |                |        |        |
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2450MHz~2550MHz       |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | $\pi/4$ DQPSK Hopping |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | 74.05            | -25.29         | 48.76                 | 74.00          | -25.24 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | --               | -25.29         | --                    | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | 74.08            | -25.29         | 48.79                 | 74.00          | -25.21 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | --               | -25.29         | --                    | 54.00          | --     | Avg    |
| Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.<br>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.<br>Result=Reading + Correct Factor.<br>Margin= Result-Limit.<br>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. |          |          |                  |                |                       |                |        |        |

| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS            |                |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|----------------|-----------------|----------------|--------|--------|
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2310MHz~2410MHz |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | 8DPSK Hopping   |                |        |        |
| N o.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | 73.33            | -21.47         | 51.86           | 74.00          | -22.14 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | H        | --               | -21.47         | --              | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | 74.01            | -26.12         | 47.89           | 74.00          | -26.11 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | H        | --               | -26.12         | --              | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | 72.94            | -21.47         | 51.47           | 74.00          | -22.53 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2390     | V        | --               | -21.47         | --              | 54.00          | --     | Avg    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | 75.94            | -26.12         | 49.82           | 74.00          | -24.18 | Peak   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400     | V        | --               | -26.12         | --              | 54.00          | --     | Avg    |
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                | PASS            |                |        |        |
| Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          |                  |                | 2450MHz~2550MHz |                |        |        |
| Test Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                | 8DPSK Hopping   |                |        |        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | 76.61            | -25.29         | 51.32           | 74.00          | -22.68 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | H        | --               | -25.29         | --              | 54.00          | --     | Avg    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | 75.04            | -25.29         | 49.75           | 74.00          | -24.25 | Peak   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2483.5   | V        | --               | -25.29         | --              | 54.00          | --     | Avg    |
| Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.<br>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.<br>Result=Reading + Correct Factor.<br>Margin= Result-Limit.<br>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. |          |          |                  |                |                 |                |        |        |

**Conducted Method**

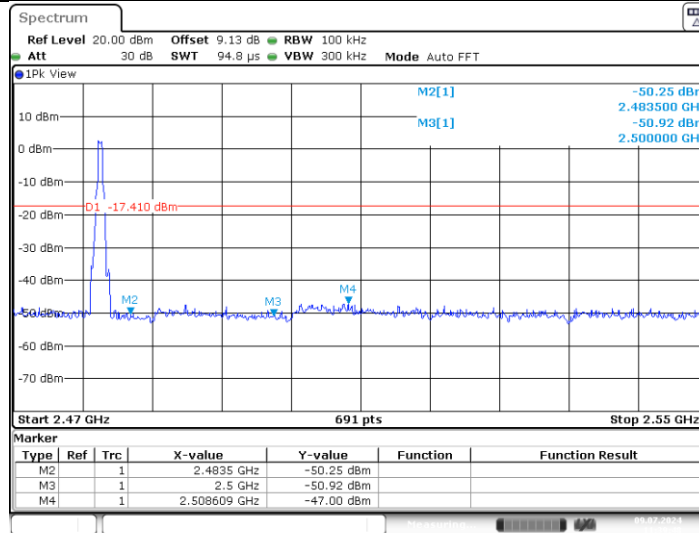
| TestMode | Antenna | ChName | Freq(MHz) | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|-----------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402      | 3.40           | -48.04       | ≤-16.6      | PASS    |
|          |         | High   | 2480      | 2.59           | -47          | ≤-17.41     | PASS    |
|          |         | Low    | Hop_2402  | 3.75           | -48.32       | ≤-16.25     | PASS    |
|          |         | High   | Hop_2480  | 3.52           | -47.34       | ≤-16.48     | PASS    |
| 2DH5     | Ant1    | Low    | 2402      | 2.35           | -47.85       | ≤-17.65     | PASS    |
|          |         | High   | 2480      | 1.57           | -46.85       | ≤-18.43     | PASS    |
|          |         | Low    | Hop_2402  | 3.75           | -48.28       | ≤-16.25     | PASS    |
|          |         | High   | Hop_2480  | 3.51           | -46.8        | ≤-16.49     | PASS    |
| 3DH5     | Ant1    | Low    | 2402      | 2.12           | -47.4        | ≤-17.88     | PASS    |
|          |         | High   | 2480      | 1.23           | -28.61       | ≤-18.77     | PASS    |
|          |         | Low    | Hop_2402  | 3.77           | -47.95       | ≤-16.23     | PASS    |
|          |         | High   | Hop_2480  | 3.53           | -46.87       | ≤-16.47     | PASS    |

### DH5\_Ant1\_Low\_2402



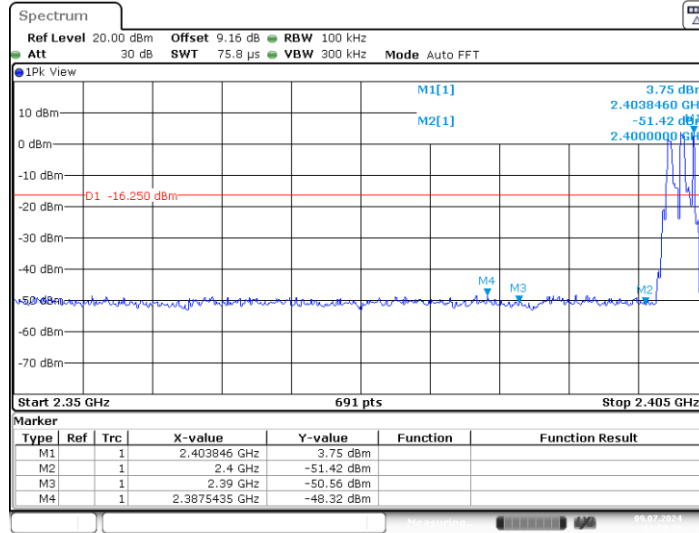
Date: 9.JUL.2024 11:37:21

### DH5\_Ant1\_High\_2480



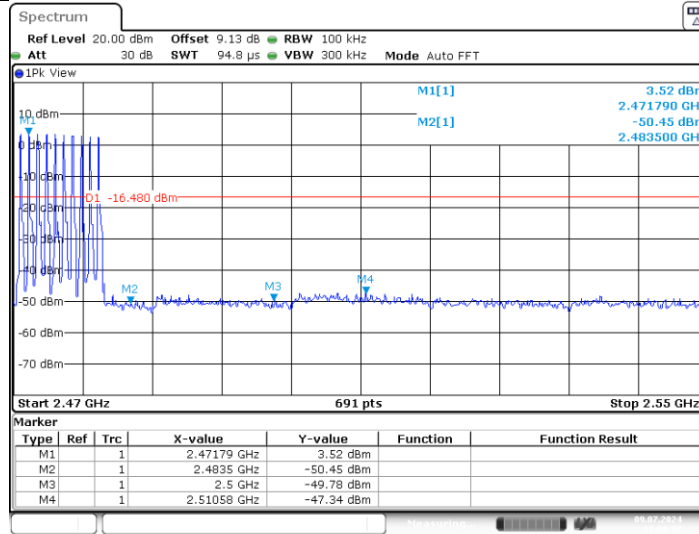
Date: 9.JUL.2024 11:39:46

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



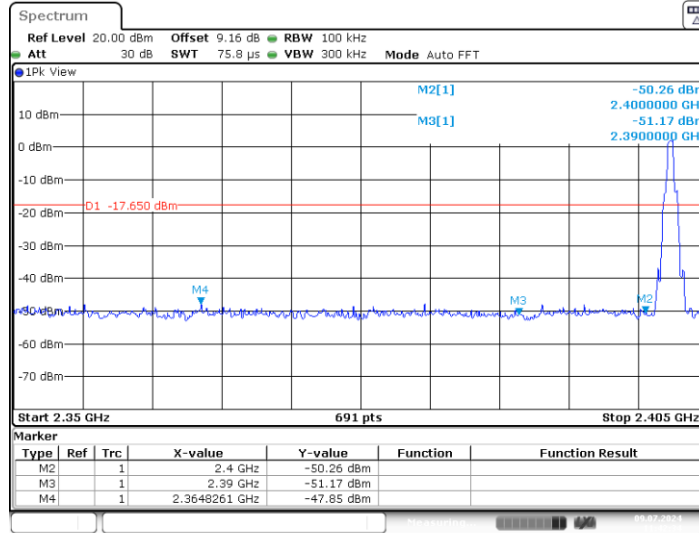
Date: 9.JUL.2024 11:50:39

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



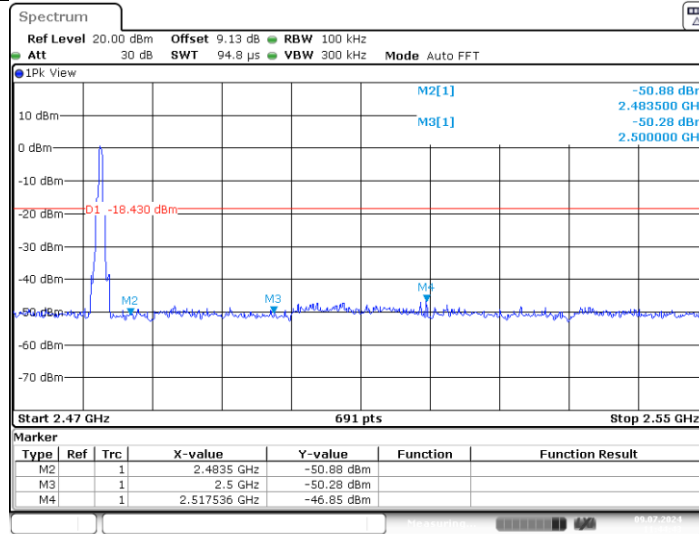
Date: 9.JUL.2024 11:50:58

### 2DH5\_Ant1\_Low\_2402



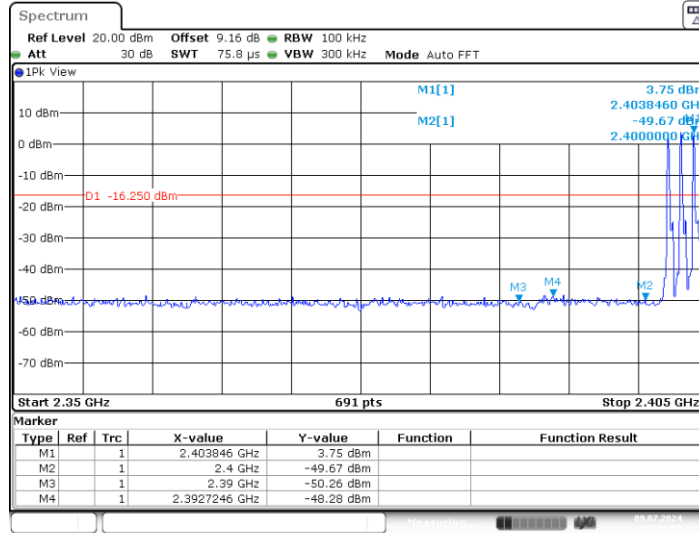
Date: 9.JUL.2024 11:42:35

### 2DH5\_Ant1\_High\_2480



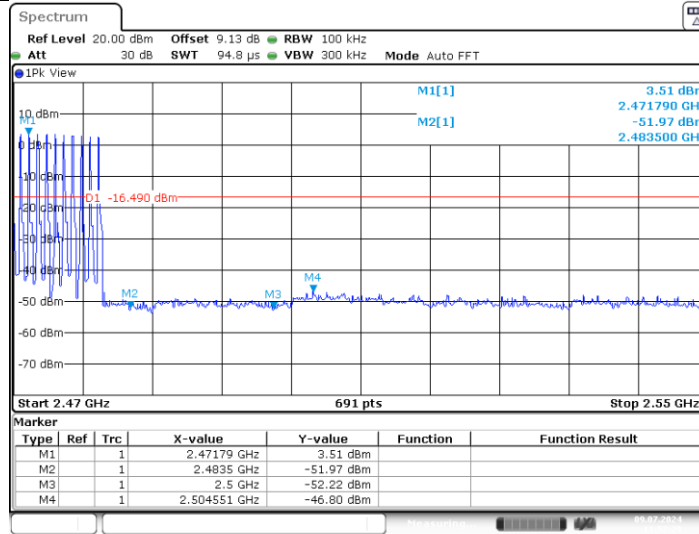
Date: 9.JUL.2024 11:44:42

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



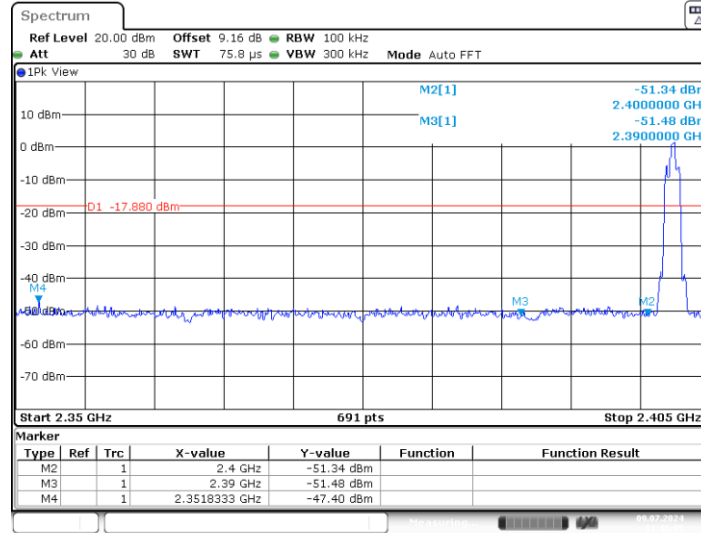
Date: 9.JUL.2024 11:51:59

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



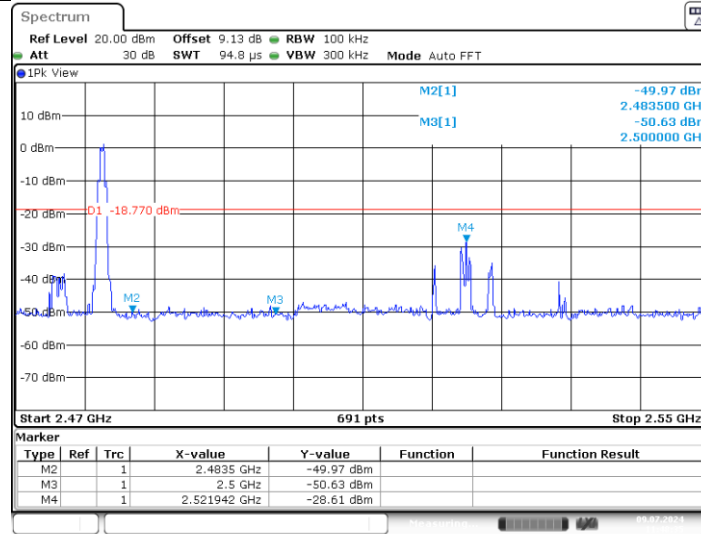
Date: 9.JUL.2024 11:52:28

### 3DH5\_Ant1\_Low\_2402



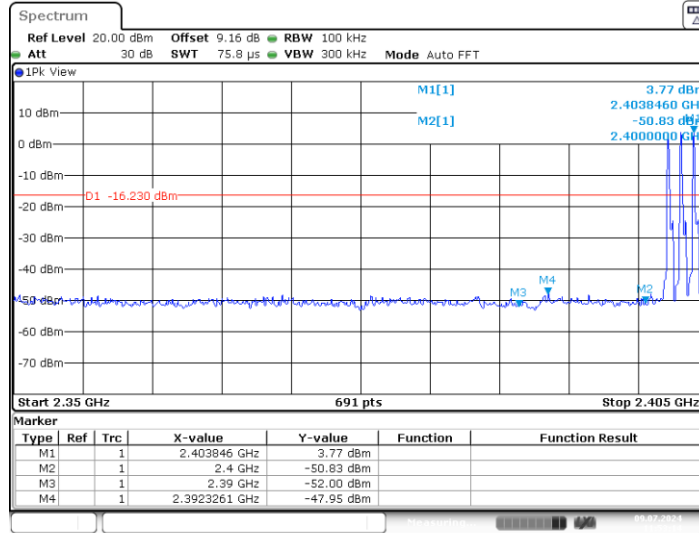
Date: 9.JUL.2024 11:46:05

### 3DH5\_Ant1\_High\_2480



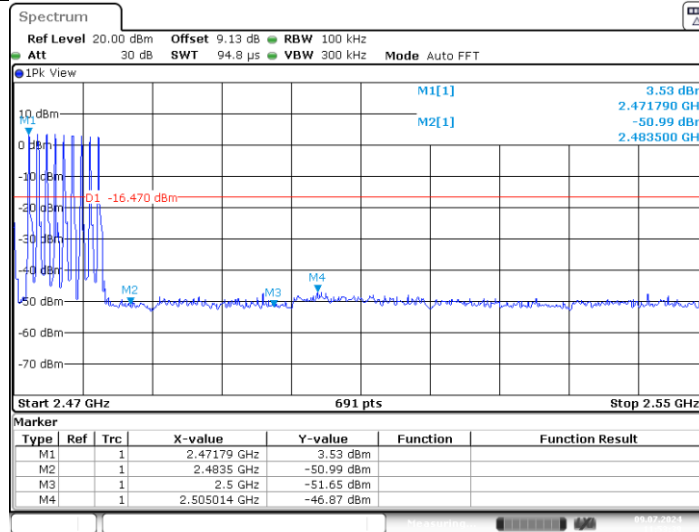
Date: 9.JUL.2024 11:48:36

### 3DH5\_Ant1\_Low\_Hop\_2402



Date: 9.JUL.2024 11:53:14

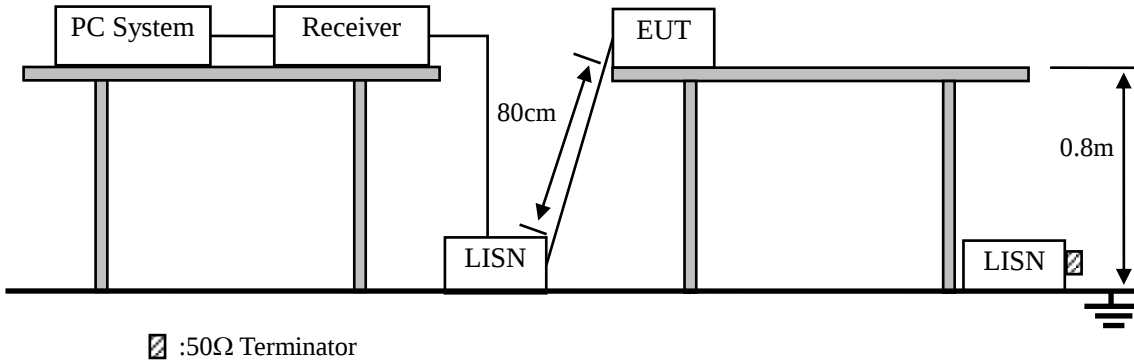
### 3DH5\_Ant1\_High\_Hop\_2480



Date: 9.JUL.2024 11:53:39

## 10. POWER LINE CONDUCTED EMISSIONS

### 10.1. Block Diagram of Test Setup



### 10.2. Limit

| Frequency       | Maximum RF Line Voltage    |                         |
|-----------------|----------------------------|-------------------------|
|                 | Quasi-Peak Level<br>dB(μV) | Average Level<br>dB(μV) |
| 150kHz ~ 500kHz | 66 ~ 56*                   | 56 ~ 46*                |
| 500kHz ~ 5MHz   | 56                         | 46                      |
| 5MHz ~ 30MHz    | 60                         | 50                      |

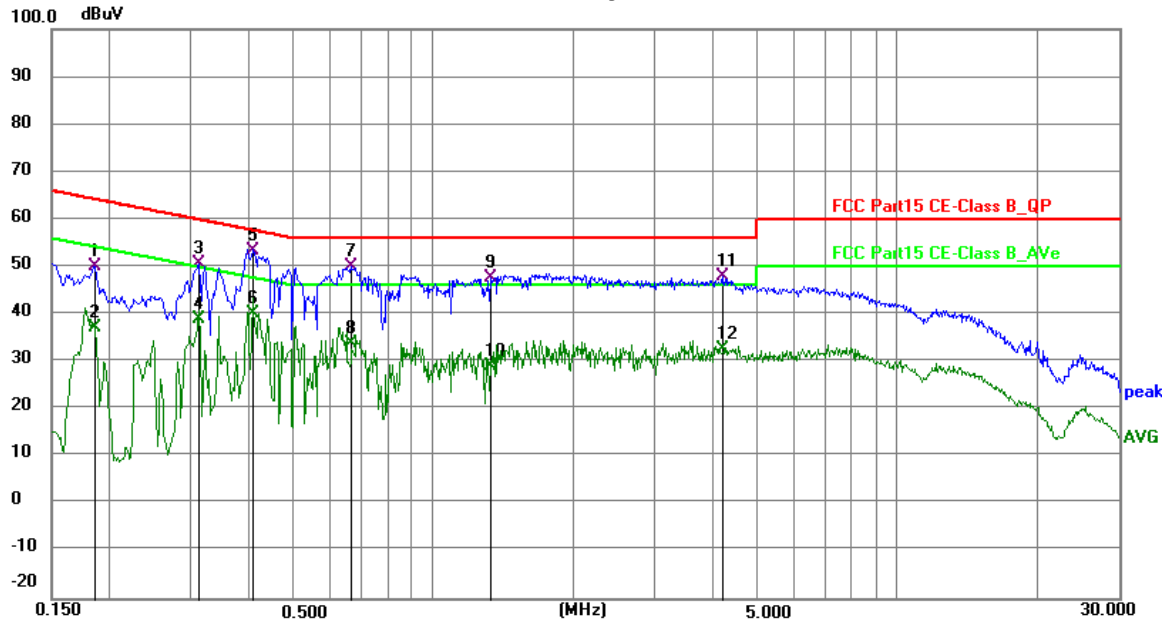
Notes: 1. \* Decreasing linearly with logarithm of frequency.  
2. The lower limit shall apply at the transition frequencies.

### 10.3. Test Procedure

- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane.
- (2) Setup the EUT and simulator as shown in 10.1
- (3) The EUT Power connected to the power mains through a power adapter and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N2), this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10:2013 on conducted Emission test.
- (4) The bandwidth of test receiver is set at 10KHz.
- (5) The frequency range from 150 KHz to 30MHz is checked.

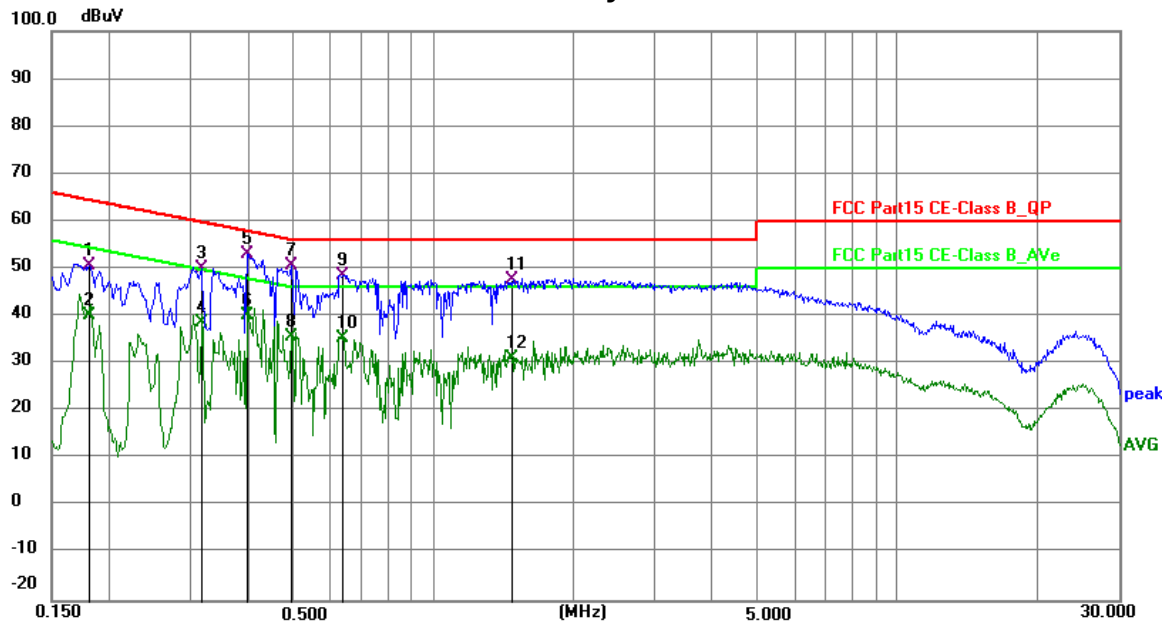
## 10.4.Test Result : PASS

Polarity: L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1   | 0.1860          | 40.53          | 9.63        | 50.16        | 64.21        | -14.05      | QP       | P   |        |
| 2   | 0.1860          | 27.41          | 9.63        | 37.04        | 54.21        | -17.17      | AVG      | P   |        |
| 3   | 0.3120          | 40.96          | 9.63        | 50.59        | 59.92        | -9.33       | QP       | P   |        |
| 4   | 0.3120          | 29.31          | 9.63        | 38.94        | 49.92        | -10.98      | AVG      | P   |        |
| 5 * | 0.4062          | 43.87          | 9.63        | 53.50        | 57.73        | -4.23       | QP       | P   |        |
| 6   | 0.4062          | 30.42          | 9.63        | 40.05        | 47.73        | -7.68       | AVG      | P   |        |
| 7   | 0.6630          | 40.31          | 9.63        | 49.94        | 56.00        | -6.06       | QP       | P   |        |
| 8   | 0.6630          | 24.31          | 9.63        | 33.94        | 46.00        | -12.06      | AVG      | P   |        |
| 9   | 1.3245          | 37.99          | 9.64        | 47.63        | 56.00        | -8.37       | QP       | P   |        |
| 10  | 1.3245          | 19.32          | 9.64        | 28.96        | 46.00        | -17.04      | AVG      | P   |        |
| 11  | 4.1910          | 38.18          | 9.67        | 47.85        | 56.00        | -8.15       | QP       | P   |        |
| 12  | 4.1910          | 22.94          | 9.67        | 32.61        | 46.00        | -13.39      | AVG      | P   |        |

Polarity: N



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1   | 0.1814          | 40.98          | 9.63        | 50.61        | 64.42        | -13.81      | QP       | P   |        |
| 2   | 0.1814          | 30.49          | 9.63        | 40.12        | 54.42        | -14.30      | AVG      | P   |        |
| 3   | 0.3165          | 40.53          | 9.62        | 50.15        | 59.80        | -9.65       | QP       | P   |        |
| 4   | 0.3165          | 28.99          | 9.62        | 38.61        | 49.80        | -11.19      | AVG      | P   |        |
| 5 * | 0.3975          | 43.44          | 9.62        | 53.06        | 57.91        | -4.85       | QP       | P   |        |
| 6   | 0.3975          | 30.63          | 9.62        | 40.25        | 47.91        | -7.66       | AVG      | P   |        |
| 7   | 0.4920          | 40.94          | 9.62        | 50.56        | 56.13        | -5.57       | QP       | P   |        |
| 8   | 0.4920          | 26.07          | 9.62        | 35.69        | 46.13        | -10.44      | AVG      | P   |        |
| 9   | 0.6401          | 38.94          | 9.62        | 48.56        | 56.00        | -7.44       | QP       | P   |        |
| 10  | 0.6401          | 25.85          | 9.62        | 35.47        | 46.00        | -10.53      | AVG      | P   |        |
| 11  | 1.4819          | 38.02          | 9.64        | 47.66        | 56.00        | -8.34       | QP       | P   |        |
| 12  | 1.4819          | 21.64          | 9.64        | 31.28        | 46.00        | -14.72      | AVG      | P   |        |

## 11. ANTENNA REQUIREMENTS

### 11.1.Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

### 11.2.Result

The EUT antenna is PIFA Antenna. It comply with the standard requirement.

## 12. TEST SETUP PHOTO

### 12.1. Photo of Radiated Emission test



## 12.2.Photo of Conducted Emission test

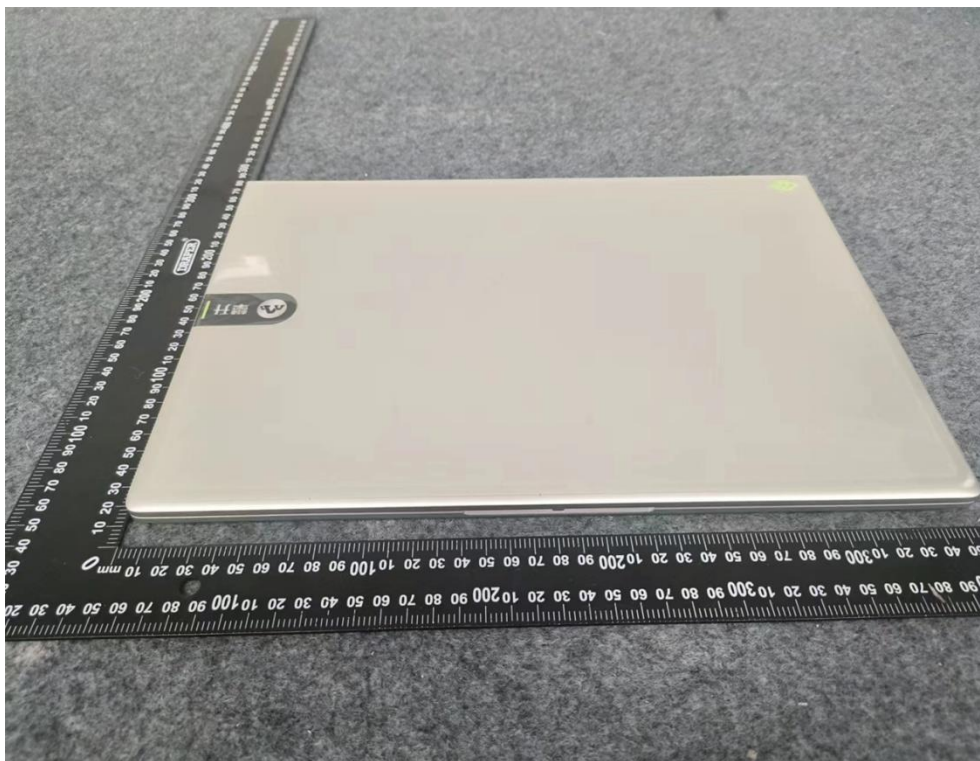


## 12.3.Conducted Test Photos

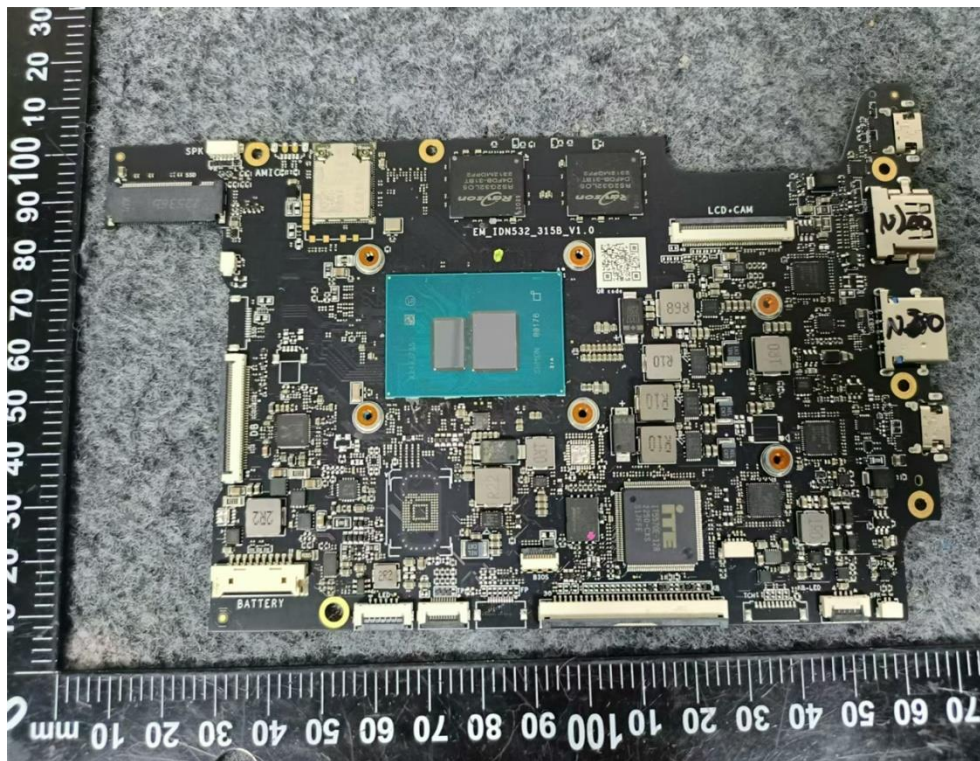


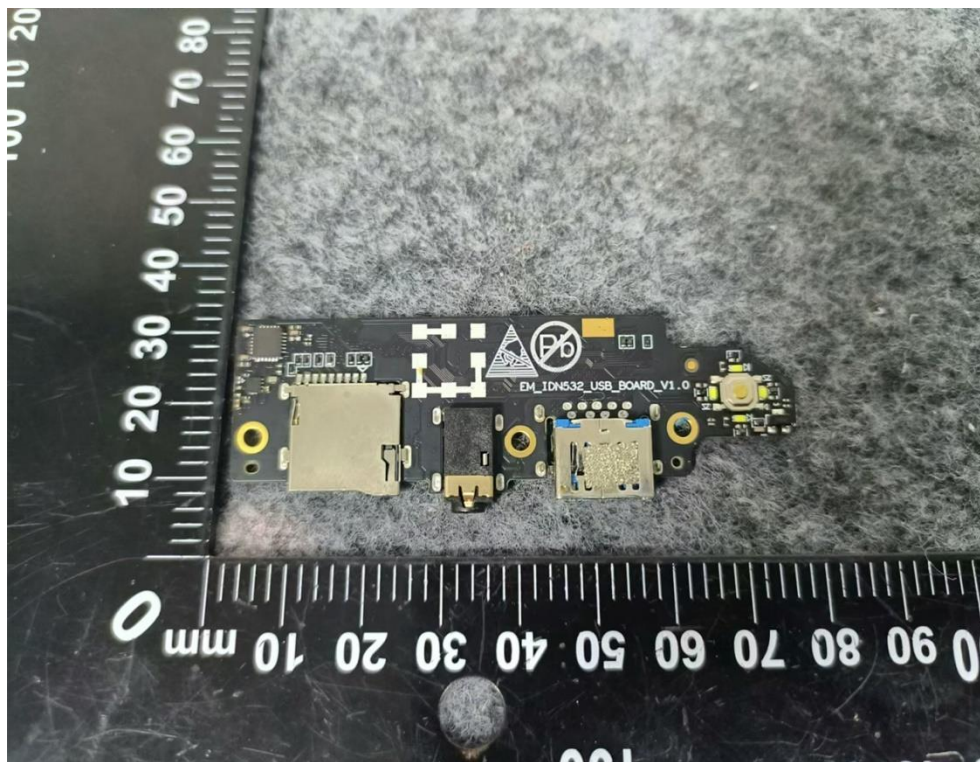
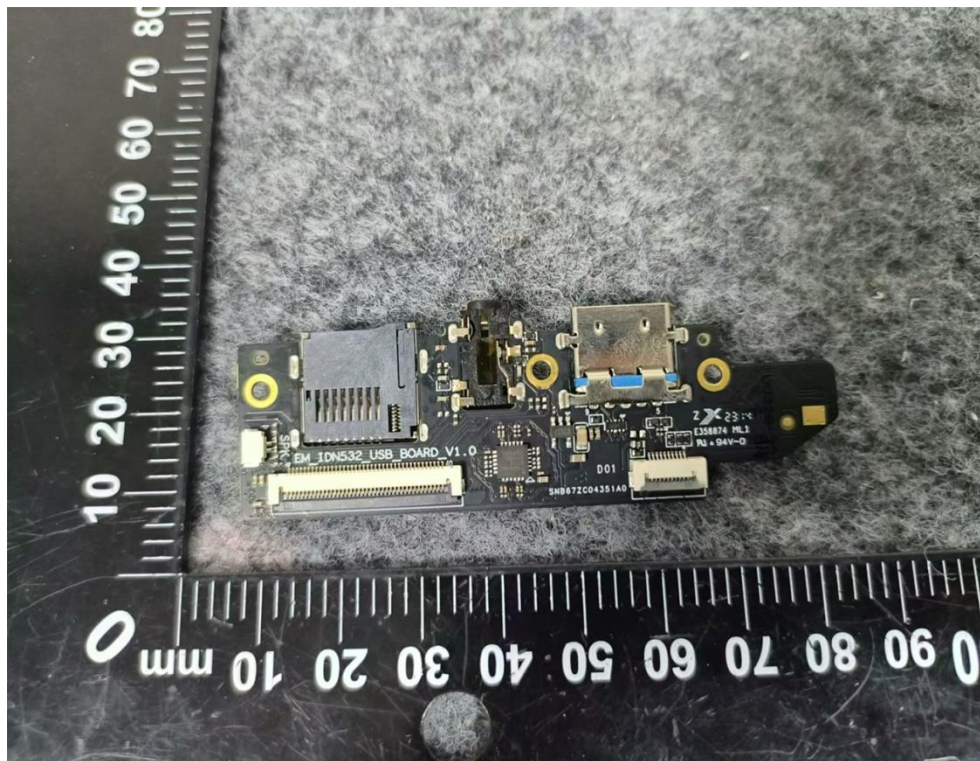
**13. PHOTOS OF EUT**

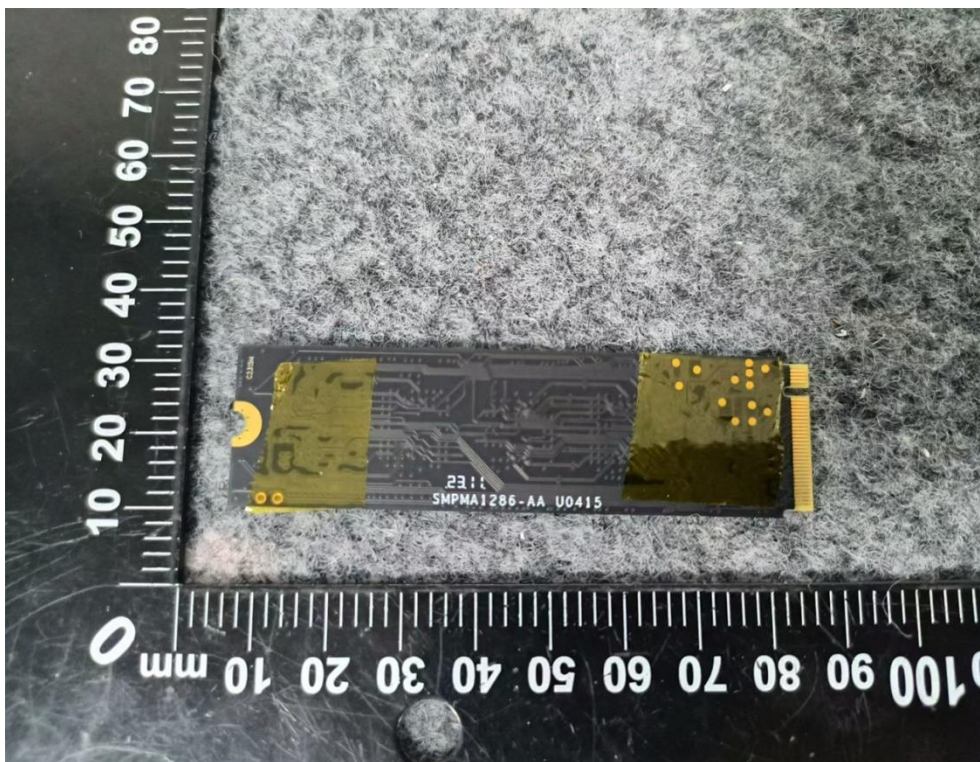
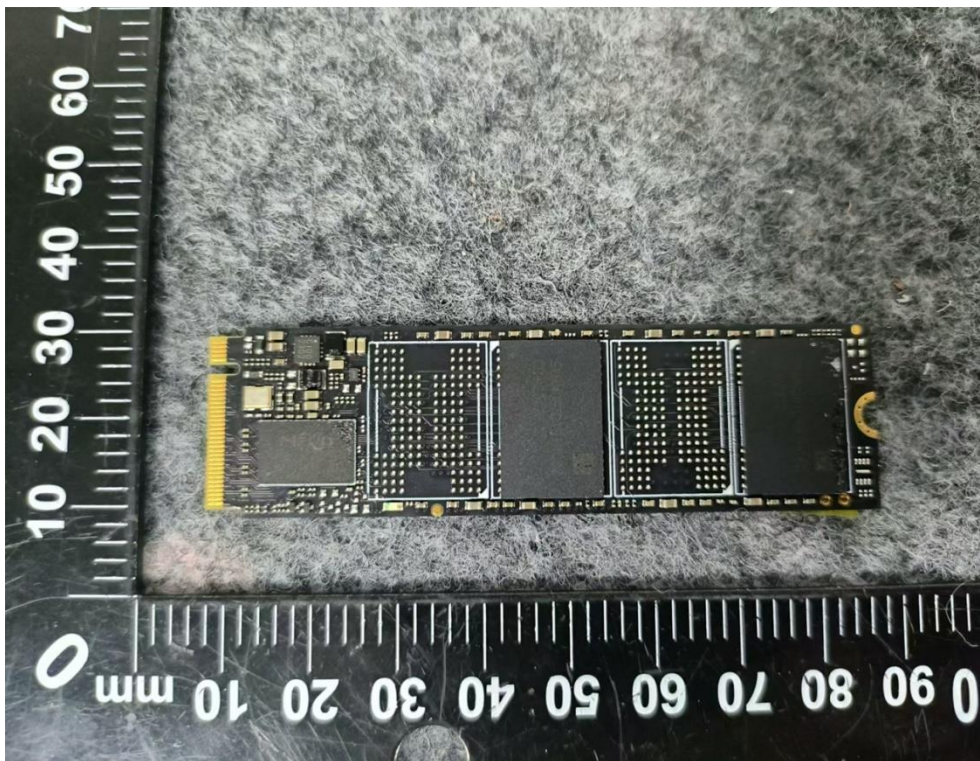














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