

# TEST REPORT

**Product Name** : Projector  
**Model Number** : V03A11, V\*\*A11 ( “\*\*” = 01-99, indicates for different market or business purposes )  
**FCC ID** : 2AQ3A-V03A11

**Prepared for** : Shenzhen VanTop Technology & Innovation Co., Ltd.  
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Lishan Road, Pingshan Community, Taoyuan Street,  
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**Prepared by** : EMTEK (SHENZHEN) CO., LTD.  
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**Report Number** : ENS2605070187W00902R  
**Date(s) of Tests** : May 9, 2026 to June 3, 2026  
**Date of issue** : June 3, 2026

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## 1 TEST RESULT CERTIFICATION

Applicant : Shenzhen VanTop Technology & Innovation Co., Ltd.  
Address : 506, BLDG 4, Pingshan minQi Technology Park, No. 65 Lishan Road, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China  
Manufacturer : Shenzhen VanTop Technology & Innovation Co., Ltd.  
Address : 506, BLDG 4, Pingshan minQi Technology Park, No. 65 Lishan Road, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen, Guangdong, China  
EUT : Projector  
Model Name : V03A11, V\*\*A11 ( "\*\*\*" = 01-99 · indicates for different market or business purposes )  
Trademark : VANKYO

Measurement Procedure Used:

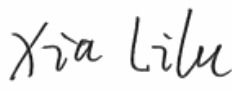
| APPLICABLE STANDARDS                                                                |             |
|-------------------------------------------------------------------------------------|-------------|
| STANDARD                                                                            | TEST RESULT |
| FCC 47 CFR Part 2, Subpart J<br>FCC 47 CFR Part 15, Subpart C                       | PASS        |
| IC RSS-GEN, Issue 5(04-2018)+A1(03-2019)+A2(02-2021)<br>IC RSS-247 Issue 4(07-2025) | PASS        |

The above equipment was tested by EMTEK(SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2, Part 15.247, IC RSS-247 Issue 3 and IC RSS-GEN, Issue 5.

The test results of this report relate only to the tested sample identified in this report

Date of Test : May 9, 2026 to June 3, 2026

Prepared by :   
Yu Xiaolan/Editor

Reviewer :   
Xia lilu /Supervisor

Approve & Authorized Signer :   
Wang li /Manager



## Modified History

| Version | Report No.           | Revision Date | Summary         |
|---------|----------------------|---------------|-----------------|
| Ver.1.0 | ENS2605070187W00902R | /             | Original Report |
|         |                      |               |                 |
|         |                      |               |                 |



## 2 EUT TECHNICAL DESCRIPTION

| Characteristics                       | Description                                                                                                                                                                                                                    |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product:</b>                       | Projector                                                                                                                                                                                                                      |
| <b>Model Number:</b>                  | V03A11, V**A11 ( “**” = 01-99, indicates for different market or business purposes )<br>(Note: All models are identical in circuitry and electrical, mechanical and physical construction; Mode V03A11 was Chosen final test.) |
| <b>Test Sample S/N:</b>               | N/A                                                                                                                                                                                                                            |
| <b>Variant Number:</b>                | N/A                                                                                                                                                                                                                            |
| <b>Device Type:</b>                   | Bluetooth V5.2                                                                                                                                                                                                                 |
| <b>Data Rate:</b>                     | 1Mbps for GFSK modulation<br>2Mbps for $\pi/4$ -DQPSK modulation<br>3Mbps for 8DPSK modulation                                                                                                                                 |
| <b>Modulation:</b>                    | GFSK, $\pi/4$ -DQPSK, 8DPSK                                                                                                                                                                                                    |
| <b>Operating Frequency Range(s) :</b> | 2402-2480MHz                                                                                                                                                                                                                   |
| <b>Number of Channels:</b>            | 79 channels                                                                                                                                                                                                                    |
| <b>Antenna Type:</b>                  | FPC Antenna                                                                                                                                                                                                                    |
| <b>Antenna Gain:</b>                  | 2.30 dBi<br>(Note: The antenna information is provided by the customers, which will have a certain impact on the test results.)                                                                                                |
| <b>Adapter:</b>                       | Model:Z48AW350100US00<br>INPUT100-240V~50/60Hz 1.2A MAX 47.0W<br>OUTPUT1:35.0V/1.0A<br>OUTPUT2:12.0V/1.0A                                                                                                                      |
| <b>Power supply:</b>                  | DC 12V&35V from adapter                                                                                                                                                                                                        |
| <b>Test Voltage:</b>                  | AC 120V/60Hz                                                                                                                                                                                                                   |
| <b>Temperature Range:</b>             | 0° C ~ +35° C                                                                                                                                                                                                                  |
| <b>Software Version:</b>              | 15.1                                                                                                                                                                                                                           |
| <b>Hardware Version:</b>              | TY9504-YL01-01                                                                                                                                                                                                                 |

**Note:** for more details, please refer to the User's manual of the EUT.

### 3 SUMMARY OF TEST RESULT

| FCC Part Clause                                                                                                                                                                                                                                                                                   | IC Part Clause                                                  | Test Parameter                         | Verdict | Remark |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------|---------|--------|
| 15.247(a)(1)                                                                                                                                                                                                                                                                                      | RSS-247.5.1<br>RSS-Gen.6.7<br>RSS-247 clause 6.2.3.1(a)         | Emission Bandwidth                     | PASS    |        |
| 15.247(a)(1)                                                                                                                                                                                                                                                                                      | RSS-247 clause 6.2.3.1(a)                                       | Carrier Frequency Separation           | PASS    |        |
| 15.247(a)(1)                                                                                                                                                                                                                                                                                      | RSS-247 clause 6.2.3.1(b)                                       | Number of Hopping Frequencies          | PASS    |        |
| 15.247(a)(1)                                                                                                                                                                                                                                                                                      | RSS-247 clause 6.2.3.1(b)                                       | Average Time of Occupancy (Dwell Time) | PASS    |        |
| 15.247(b)(1)                                                                                                                                                                                                                                                                                      | RSS-247 clause 6.2.3.2(a)                                       | Maximum Peak Conducted Output Power    | PASS    |        |
| 15.247(d)                                                                                                                                                                                                                                                                                         | RSS-247 clause 6.6                                              | Conducted Spurious Emissions           | PASS    |        |
| 15.247(d)<br>15.209<br>15.205                                                                                                                                                                                                                                                                     | RSS-247 clause 6.6<br>RSS-Gen clause 8.9<br>RSS-Gen clause 8.10 | Radiated Spurious Emissions            | PASS    |        |
| 15.207                                                                                                                                                                                                                                                                                            | RSS-Gen 8.8                                                     | Conducted Emission                     | PASS    |        |
| 15.203<br>15.247(b)                                                                                                                                                                                                                                                                               | RSS-Gen 6.8<br>RSS-247.5.4                                      | Antenna Application                    | PASS    |        |
| 15.247 (a) (1)/g/h                                                                                                                                                                                                                                                                                | -                                                               | Frequency Hopping System               | PASS    |        |
| NOTE1: N/A (Not Applicable)<br>NOTE2: According to FCC OET KDB 558074, the report use radiated measurements in the restricted frequency bands. In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits. |                                                                 |                                        |         |        |

#### RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for **FCC ID:2AQ3A-V03A11** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

## 4 TEST METHODOLOGY

### 4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards:

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

IC RSS-GEN, Issue 5(04-2018)+A1(03-2019)+A2(02-2021)

IC RSS-247 Issue 4(07-2025)

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

### 4.2 MEASUREMENT EQUIPMENT USED

#### Conducted Emission Test Equipment

| Equipment         | Manufacturer    | Model No. | Serial No. | Last Cal. | Cal. Interval |
|-------------------|-----------------|-----------|------------|-----------|---------------|
| EMI Test Receiver | Rohde & Schwarz | ESCI      | 101384     | 2026/5/9  | 1Year         |
| AMN               | Rohde & Schwarz | ENV216    | 101161     | 2026/5/10 | 1Year         |

#### For Spurious Emissions Test

| Equipment         | Manufacturer    | Model No.       | Serial No.         | Last Cal.  | Cal. Interval |
|-------------------|-----------------|-----------------|--------------------|------------|---------------|
| Pre-Amplifier     | Bonn            | BLMA 011001N    | 2213967A           | 2025/10/16 | 1Year         |
| EMI Test Receiver | Rohde & Schwarz | ESR7            | 102551             | 2025/10/16 | 1Year         |
| Bilog Antenna     | Schwarzbeck     | VULB9163        | 9163142            | 2024/7/8   | 2Year         |
| Horn antenna      | Schwarzbeck     | BBHA9120D       | 9120D-1198         | 2025/5/13  | 2Year         |
| Pre-Amplifier     | Bonn            | BLMA 0118-5G    | 2213967B-01        | 2025/10/16 | 1Year         |
| Spectrum Analyzer | Rohde & Schwarz | FSV3044         | 101290             | 2025/10/16 | 1Year         |
| Horn antenna      | Schwarzbeck     | BBHA9170        | 9170-399           | 2025/5/13  | 2Year         |
| Pre-Amplifier     | Lunar EM        | LNA18G26-40     | J101213101000<br>1 | 2026/5/10  | 1Year         |
| Pre-Amplifier     | Lunar EM        | LNA26G40-40     | J101313102800<br>1 | 2026/5/10  | 1Year         |
| Loop Antenna      | Schwarzbeck     | FMZB1519        | 1519-012           | 2025/5/13  | 2Year         |
| Coaxial Cable     | TIMES           | NmNm-7-C15702   | N/A                | 2026/5/8   | 1Year         |
| Coaxial Cable     | TIMES           | HF290-NMSM-6.5M | N/A                | 2026/5/8   | 1Year         |
| Coaxial Cable     | TIMES           | LMR-240 N-N     | N/A                | 2026/5/8   | 1Year         |

#### For other test items

| Equipment                           | Manufacturer | Model No. | Serial No. | Last Cal.  | Cal. Interval |
|-------------------------------------|--------------|-----------|------------|------------|---------------|
| Wideband Radio Communication Tester | R&S          | CMW500    | 171168     | 2025/9/9   | 1Year         |
| Frequency Extender                  | R&S          | CMW-Z800A | 100430     | 2025/9/9   | 1Year         |
| Spectrum Analyzer                   | R&S          | FSV3044   | 101289     | 2025/12/16 | 1Year         |
| Analog Signal Generator             | R&S          | SMB100A   | 183237     | 2025/9/9   | 1Year         |
| Vector Signal Generator             | R&S          | SMM100A   | 101808     | 2025/9/9   | 1Year         |
| RF Control Unit(Power Meter)        | Tonscend     | JS0806-2  | 22C8060567 | 2025/9/9   | 1Year         |
| Temperature&Humidity Chamber        | ESPEC        | EL-02KA   | 12107166   | 2026/5/8   | 1 Year        |

### 4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (1Mbps for GFSK modulation(DH5); 2Mbps for  $\pi/4$ -DQPSK modulation(2DH5); 3Mbps for 8DPSK modulation(3DH5);)were used for all test.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Frequency and Channel list for Bluetooth

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|---------|-----------------|
| 0       | 2402            | 39      | 2441            | ...     | ...             |
| 1       | 2403            | 40      | 2442            | 76      | 2478            |
| 2       | 2404            | 41      | 2443            | 77      | 2479            |
| ...     | ...             | ...     | ...             | 78      | 2480            |

Note:  $f_c = 2402\text{MHz} + (k-1) \times 1\text{MHz}$   $k=1$  to 79

Test Frequency and channel for Bluetooth

| Lowest Frequency |                 | Middle Frequency |                 | Highest Frequency |                 |
|------------------|-----------------|------------------|-----------------|-------------------|-----------------|
| Channel          | Frequency (MHz) | Channel          | Frequency (MHz) | Channel           | Frequency (MHz) |
| 0                | 2402            | 39               | 2441            | 78                | 2480            |

## 5 FACILITIES AND ACCREDITATIONS

### 5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at:

EMTEK (Shenzhen) Co., Ltd.

Building 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

### 5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

### 5.3 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L2291

The Laboratory has been assessed and proved to be in compliance with  
CNAS-CL01 (identical to ISO/IEC 17025:2017)

**Accredited by FCC**

Designation Number: CN1204

Test Firm Registration Number: 882943

**Accredited by A2LA**

The Certificate Number is 4321.01

**Accredited by Industry Canada**

The Conformity Assessment Body Identifier is CN0008

Name of Firm : EMTEK (SHENZHEN) CO., LTD.

Site Location : Building 69, Majialong Industry Zone, Nanshan District, Shenzhen,  
Guangdong, China

## 6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Test Parameter               | Measurement Uncertainty |
|------------------------------|-------------------------|
| Frequency error              | $\pm 1.9\%$             |
| Occupied Bandwidth           | $\pm 1.9\text{KHz}$     |
| Transmitter output power     | $\pm 1.18\text{dB}$     |
| Conducted spurious emissions | $\pm 3.3\text{dB}$      |
| Radiated spurious emissions  | $\pm 4.5\text{dB}$      |
| Temperature                  | $\pm 1.2^\circ\text{C}$ |
| Humidity                     | $\pm 3\%$               |
| DC voltages                  | $\pm 0.25\text{V}$      |
| Time                         | $\pm 1\%$               |

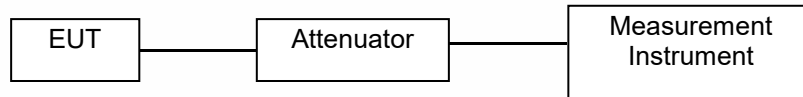
Measurement Uncertainty for a level of Confidence of 95%



## 7 SETUP OF EQUIPMENT UNDER TEST

### 7.1 RADIO FREQUENCY TEST SETUP 1

The Bluetooth component's antenna port(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



### 7.2 RADIO FREQUENCY TEST SETUP 2

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

Above 30MHz:

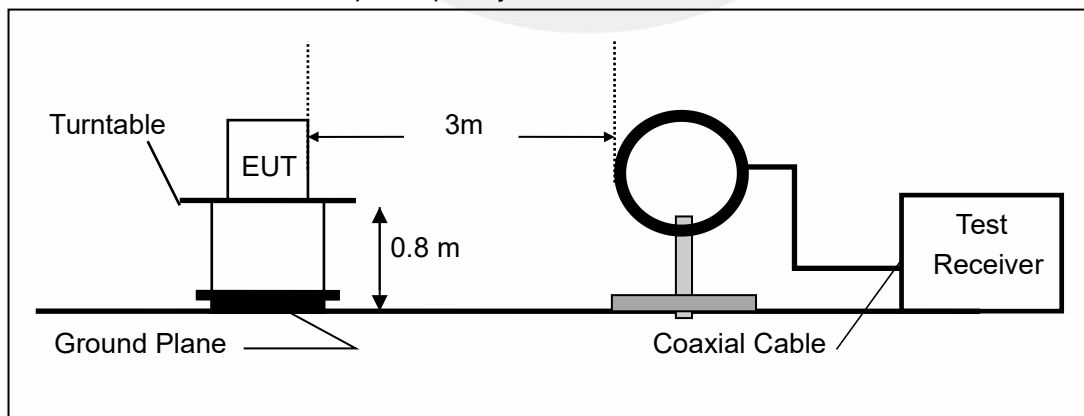
The EUT is placed on a turntable 0.8meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:

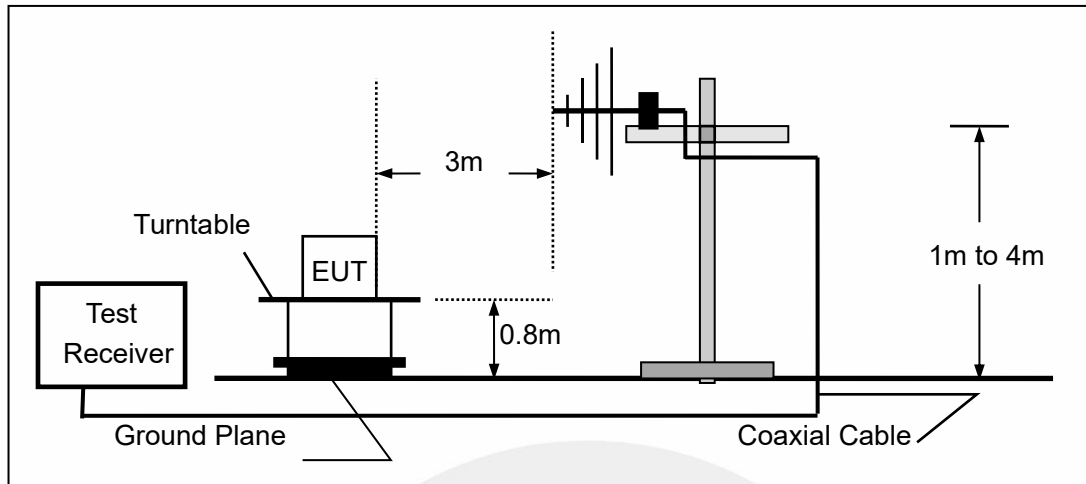
(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.)

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

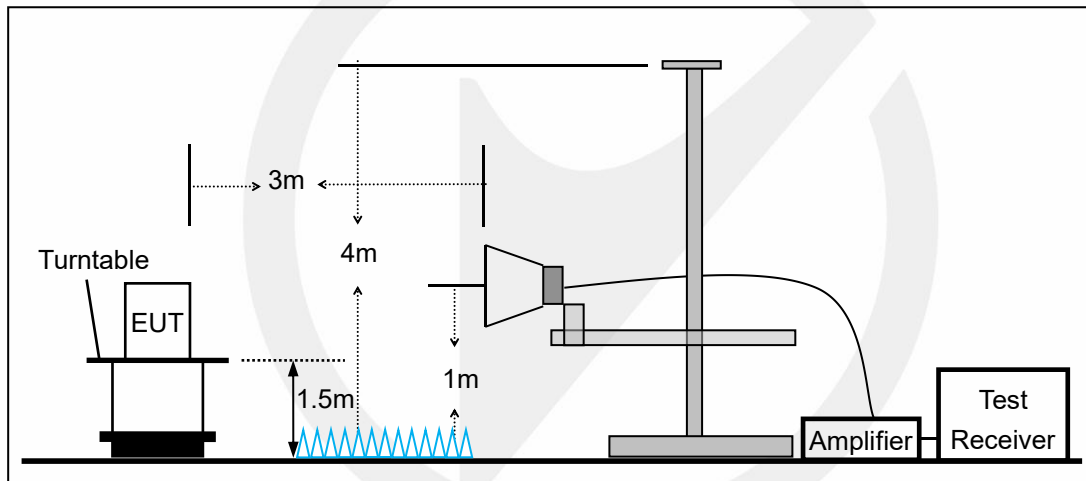
#### (a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz

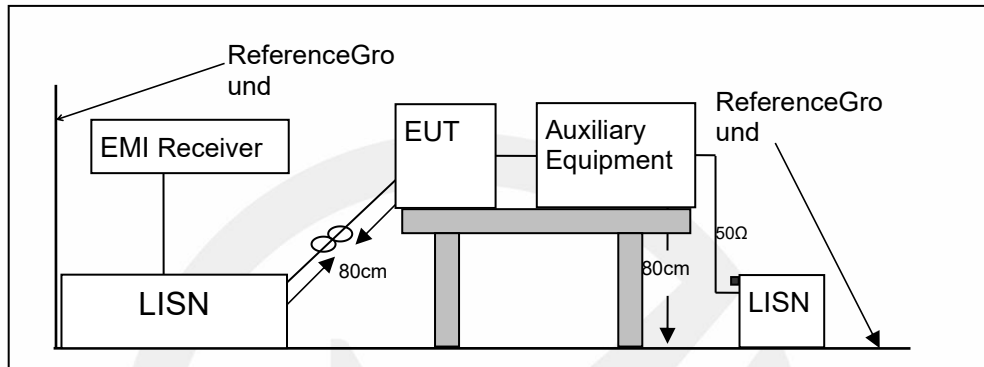


### 7.3 CONDUCTED EMISSION TEST SETUP

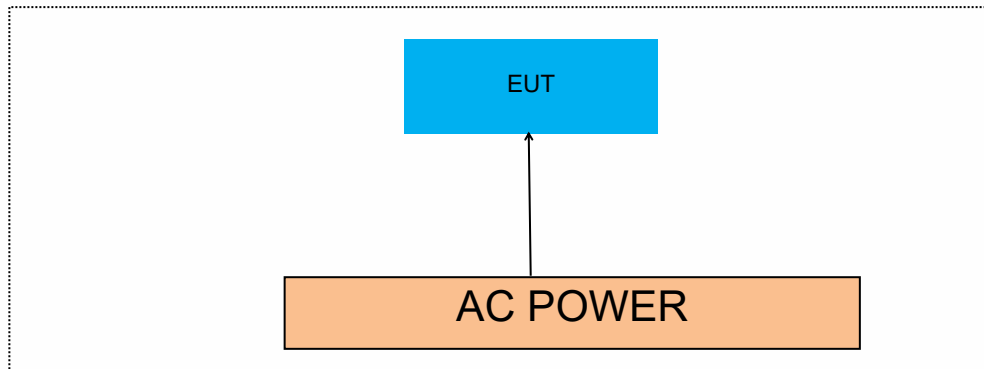
The mains cable of the EUT (Perfect Share Mini) must be connected to LISN. The LISN shall be placed 0.8m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.8m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.



#### 7.4 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



#### 7.5 SUPPORT EQUIPMENT

| EUT Cable List and Details |            |                     |                        |
|----------------------------|------------|---------------------|------------------------|
| Cable Description          | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| /                          | /          | /                   | /                      |

| Auxiliary Cable List and Details |            |                     |                        |
|----------------------------------|------------|---------------------|------------------------|
| Cable Description                | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| /                                | /          | /                   | /                      |

| Auxiliary Equipment List and Details |              |       |               |
|--------------------------------------|--------------|-------|---------------|
| Description                          | Manufacturer | Model | Serial Number |
| /                                    | /            | /     | /             |

**Notes:**

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

## 8 FREQUENCY HOPPING SYSTEM REQUIREMENTS

### 8.1 Standard Applicable

According to FCC Part 15.247(a)(1), The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

(g) Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.

(h) The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

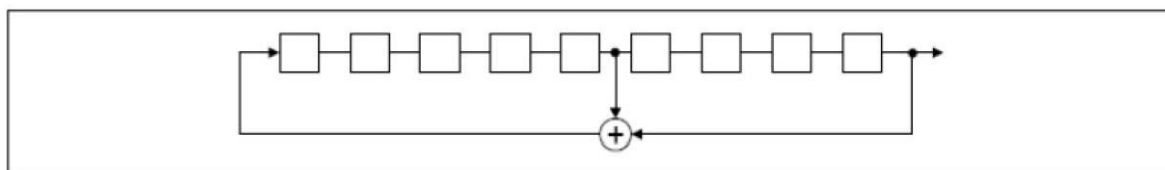
### 8.2 EUT Pseudorandom Frequency Hopping Sequence

The channel is represented by a pseudo-random hopping sequence hopping through the 79 RF channels. The hopping sequence is unique for the piconet and is determined by the Bluetooth device address of the master; the phase in the hopping sequence is determined by the Bluetooth clock of the master. The channel is divided into time slots where each slot corresponds to an RF hop frequency. Consecutive hops correspond to different RF hop frequencies. The normal hop is 1 600 hops/s.

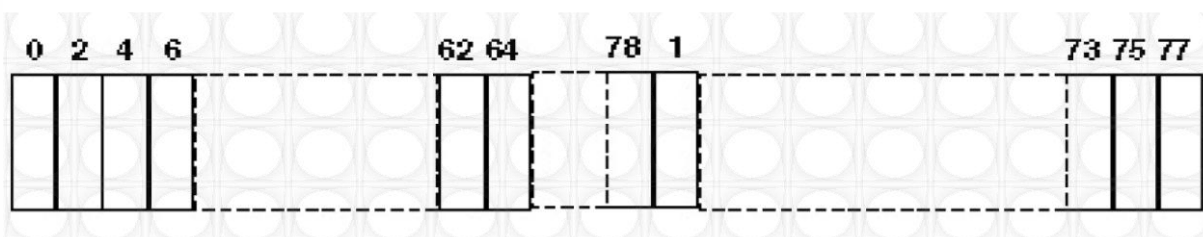
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage, and the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONES; i.e. the shift register is initialized with nine ones. Number of shift register stages: 9

Length of pseudo-random sequence:  $2^9 - 1 = 511$  bits

Longest sequence of zeros: 8 (non-inverted signal)



*Linear Feedback Shift Register for Generation of the PRBS sequence*



Each frequency used equally on the average by each transmitter.

The system receiver have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

### 8.3 Equal Hopping Frequency Use

All Bluetooth units participating in the piconet are time and hop-synchronized to the channel.

Example of a 79 hopping sequence in data mode:

35, 27, 6, 44, 14, 61, 74, 32, 1, 11, 23, 2, 55, 65, 29, 3, 9, 52, 78, 58, 40, 25, 0, 7, 18, 26, 76, 60, 47, 50, 2, 5, 16, 37, 70, 63, 66, 54, 20, 13, 4, 8, 15, 21, 26, 10, 73, 77, 67, 69, 43, 24, 57, 39, 46, 72, 48, 33, 17, 31, 75, 19, 41, 62, 68, 28, 51, 66, 30, 56, 34, 59, 71, 22, 49, 64, 38, 45, 36, 42, 53

Each Frequency used equally on the average by each transmitter

### 8.4 Frequency Hopping System

This transmitter device is frequency hopping device, and complies with FCC part 15.247 rule.

This device uses Bluetooth radio which operates in 2400-2483.5 MHz band. Bluetooth uses a radio technology called frequency-hopping spread spectrum, which chops up the data being sent and transmits chunks of it on up to 79 bands (1 MHz each; centred from 2402 to 2480 MHz) in the range 2,400-2,483.5 MHz. The transmitter switches hop frequencies 1,600 times per second to assure a high degree of data security. All Bluetooth devices participating in a given piconet are synchronized to the frequency-hopping channel for the piconet. The frequency hopping sequence is determined by the master's device address and the phase of the hopping sequence (the frequency to hop at a specific time) is determined by the master's internal clock. Therefore, all slaves in a piconet must know the master's device address and must synchronize their clocks with the master's clock.

Adaptive Frequency Hopping (AFH) was introduced in the Bluetooth specification to provide an effective way for a Bluetooth radio to counteract normal interference. AFH identifies "bad" channels, where either other wireless devices are interfering with the Bluetooth signal or the Bluetooth signal is interfering with another device. The AFH-enabled Bluetooth device will then communicate with other devices within its piconet to share details of any identified bad channels. The devices will then switch to alternative available "good" channels, away from the areas of interference, thus having no impact on the bandwidth used.

## 9 TEST REQUIREMENTS

### 9.1 20DB&99%BANDWIDTH

#### 9.1.1 Applicable Standard

According to FCC Part 15.247(a)(1) and KDB 558074 D01 15.247 MEAS GUIDANCE v05r02  
According to IC RSS-247 and RSS-Gen.

#### 9.1.2 Conformance Limit

No limit requirement.

#### 9.1.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

#### 9.1.4 Test Procedure

The EUT was operating in Bluetooth mode and controlled its channel. Printed out the test result from the spectrum by hard copy function.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 30 kHz.

Set the video bandwidth (VBW) = 100 kHz.

Set Span = approximately 2 to 3 times the 20 dB bandwidth

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission.

If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation.

Measure and record the results in the test report.

#### Test Results

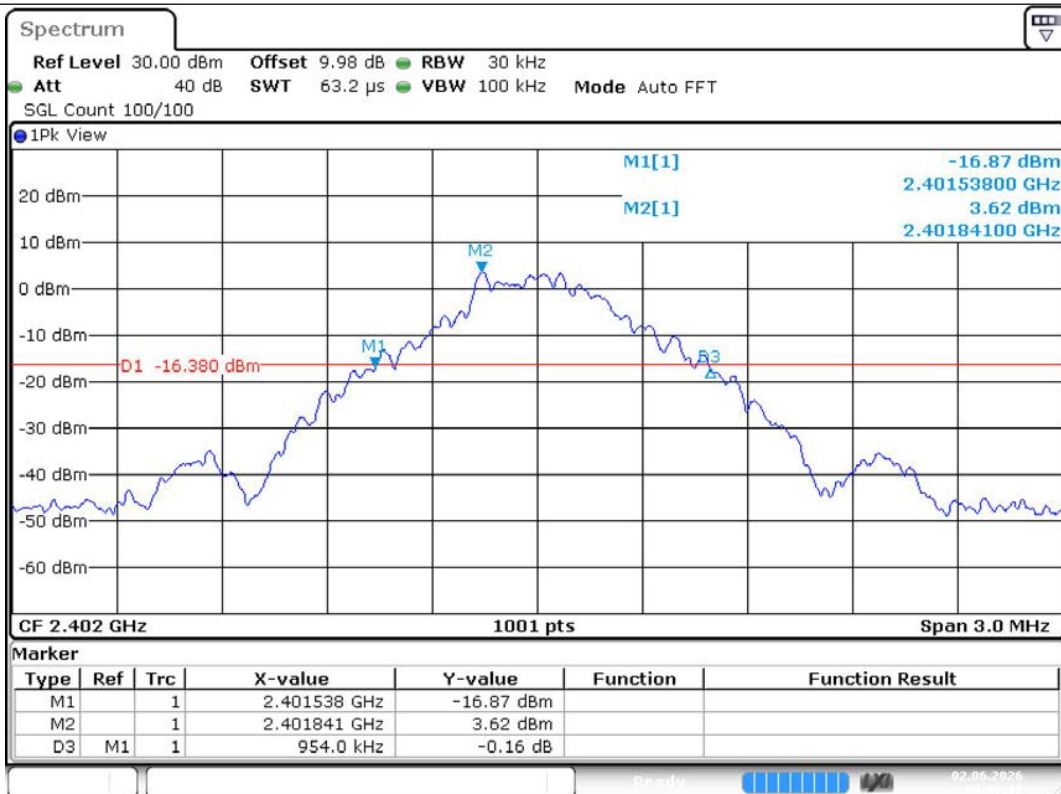
|                    |           |
|--------------------|-----------|
| Temperature:       | 25.4° C   |
| Relative Humidity: | 48%       |
| ATM Pressure:      | 1011 mbar |

Note: N/A

## 20dB Emission Bandwidth

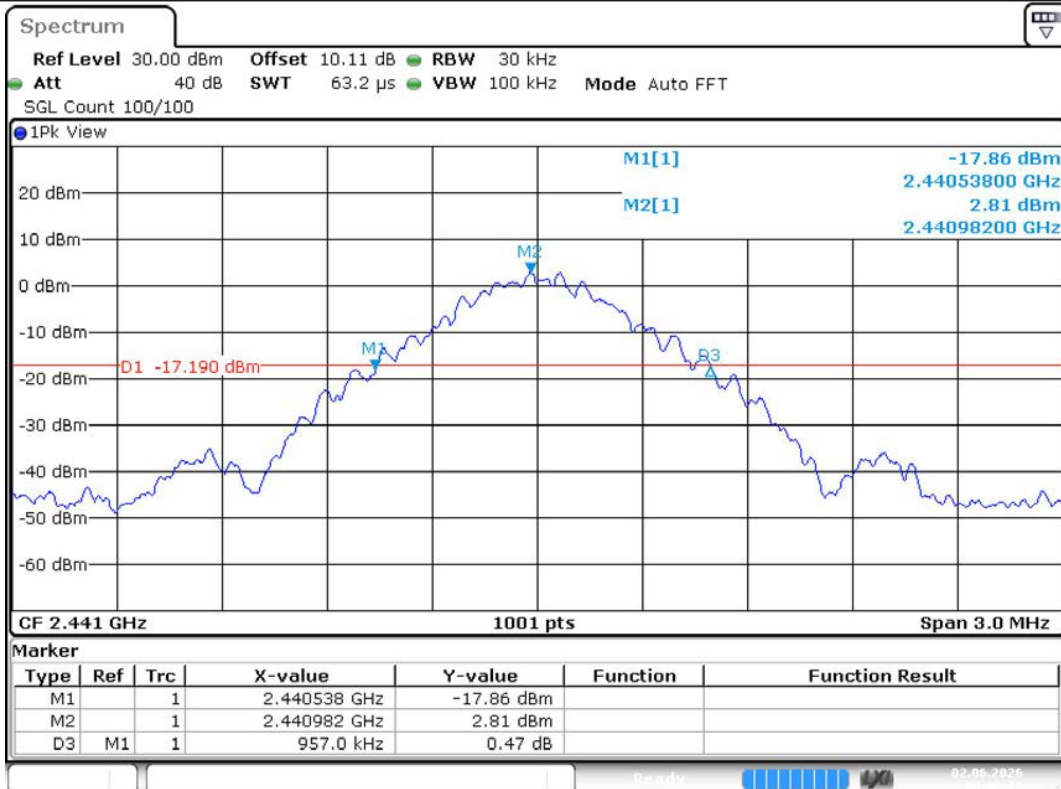
| TestMode | Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|---------|---------|------------|---------|
| DH5      | Ant1    | 2402           | 0.95             | 2401.54 | 2402.49 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.96             | 2440.54 | 2441.50 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.96             | 2479.54 | 2480.49 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.28             | 2401.38 | 2402.66 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.28             | 2440.38 | 2441.66 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.28             | 2479.38 | 2480.66 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.28             | 2401.36 | 2402.65 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.29             | 2440.36 | 2441.66 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.26             | 2479.37 | 2480.63 | ---        | ---     |





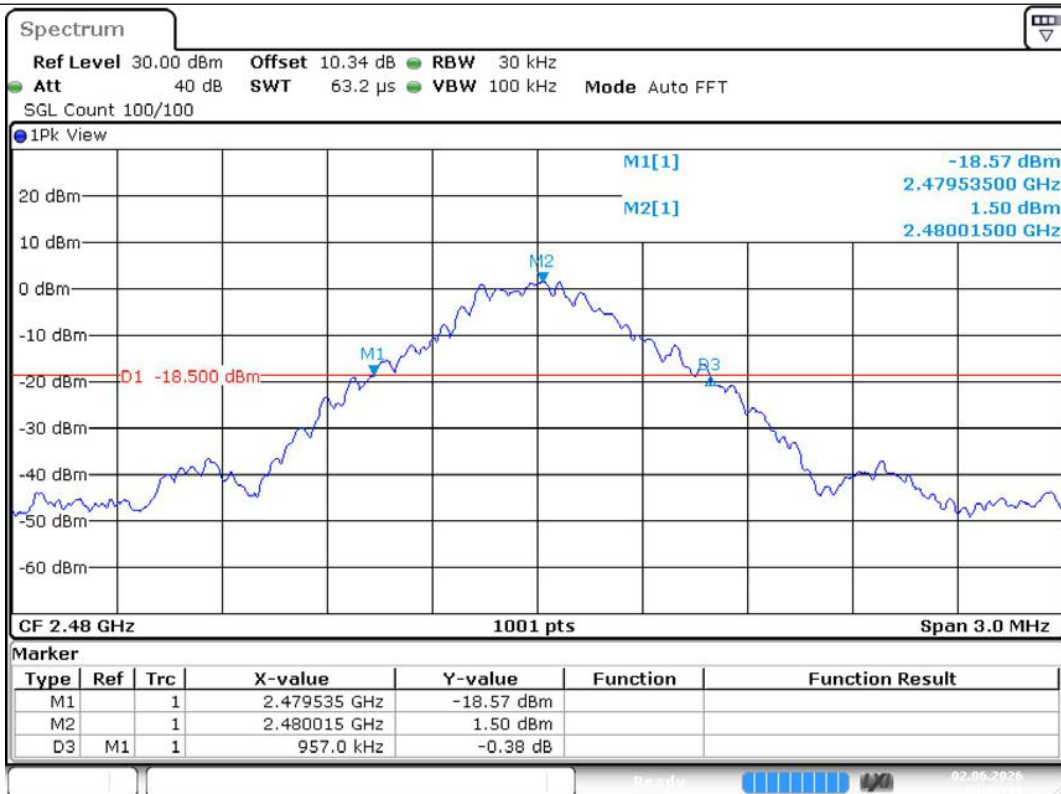
Date: 2.JUN.2026 09:02:39

## DH5-Ant1-2402



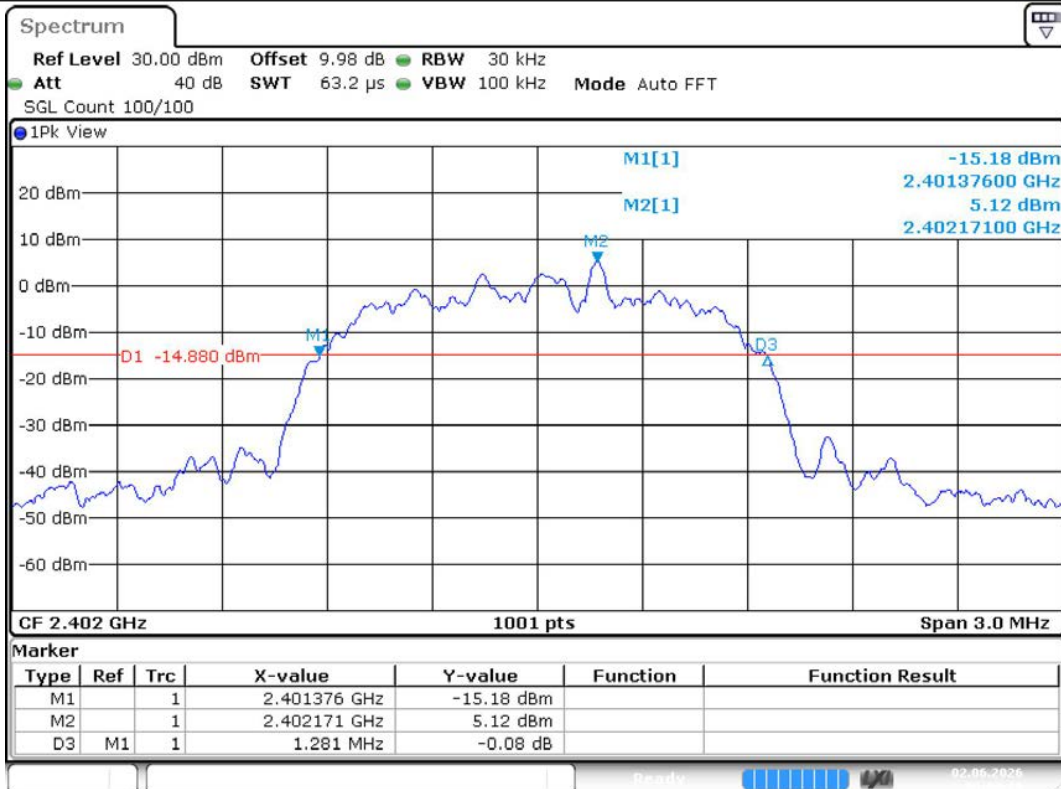
Date: 2.JUN.2026 09:06:24

## DH5-Ant1-2441



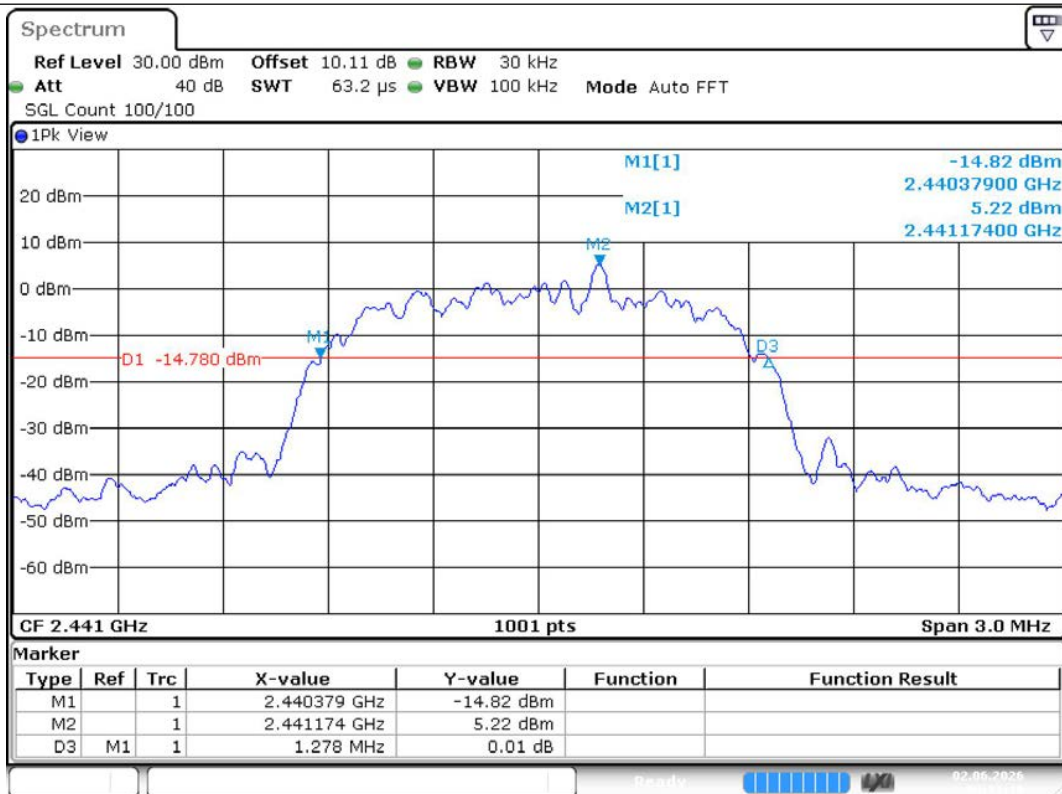
Date: 2.JUN.2026 09:08:00

DH5-Ant1-2480



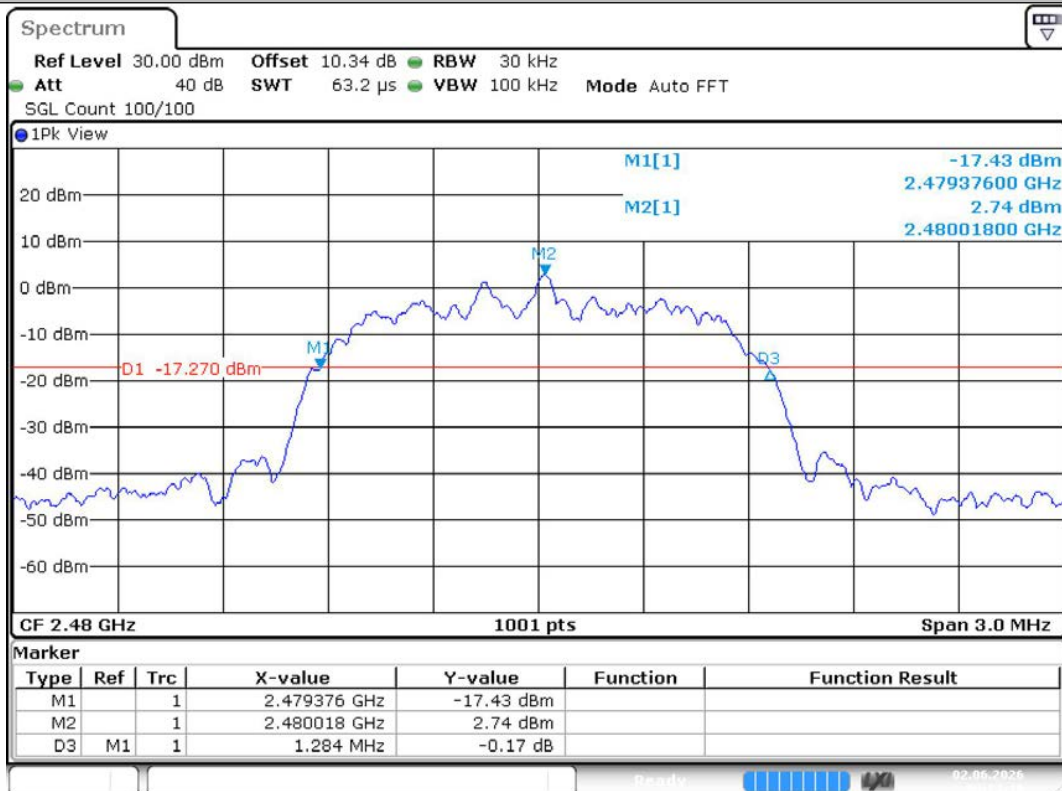
Date: 2.JUN.2026 09:09:29

2DH5-Ant1-2402



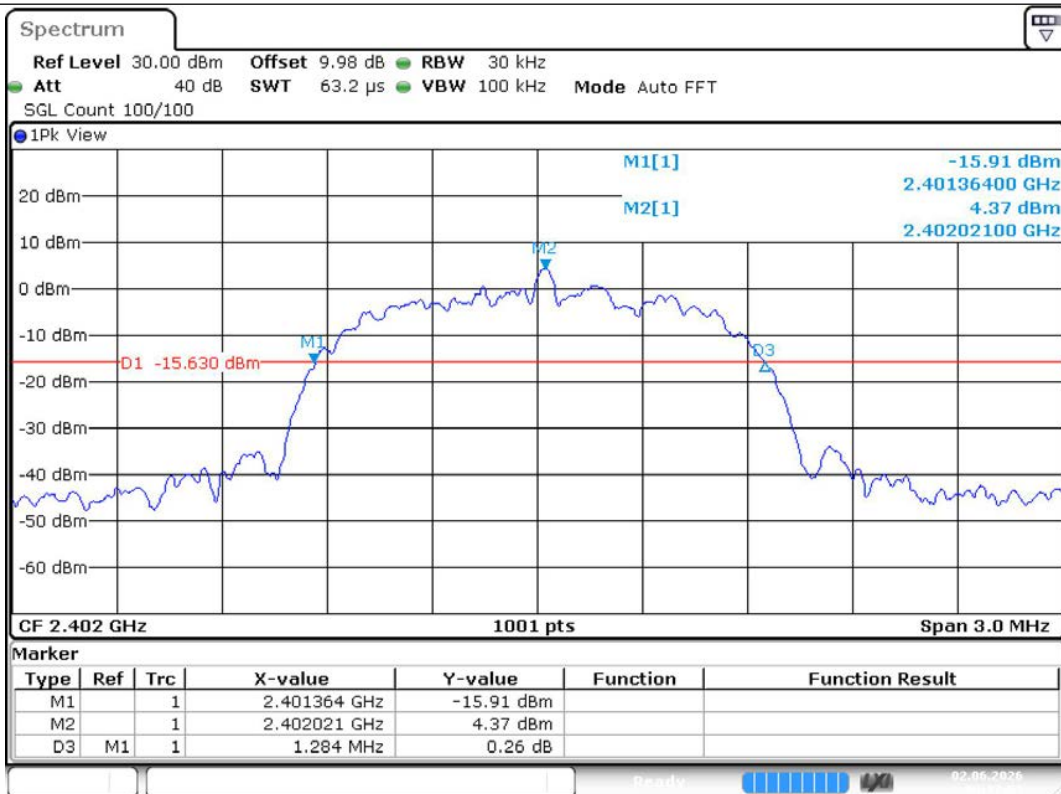
Date: 2.JUN.2026 09:11:19

## 2DH5-Ant1-2441



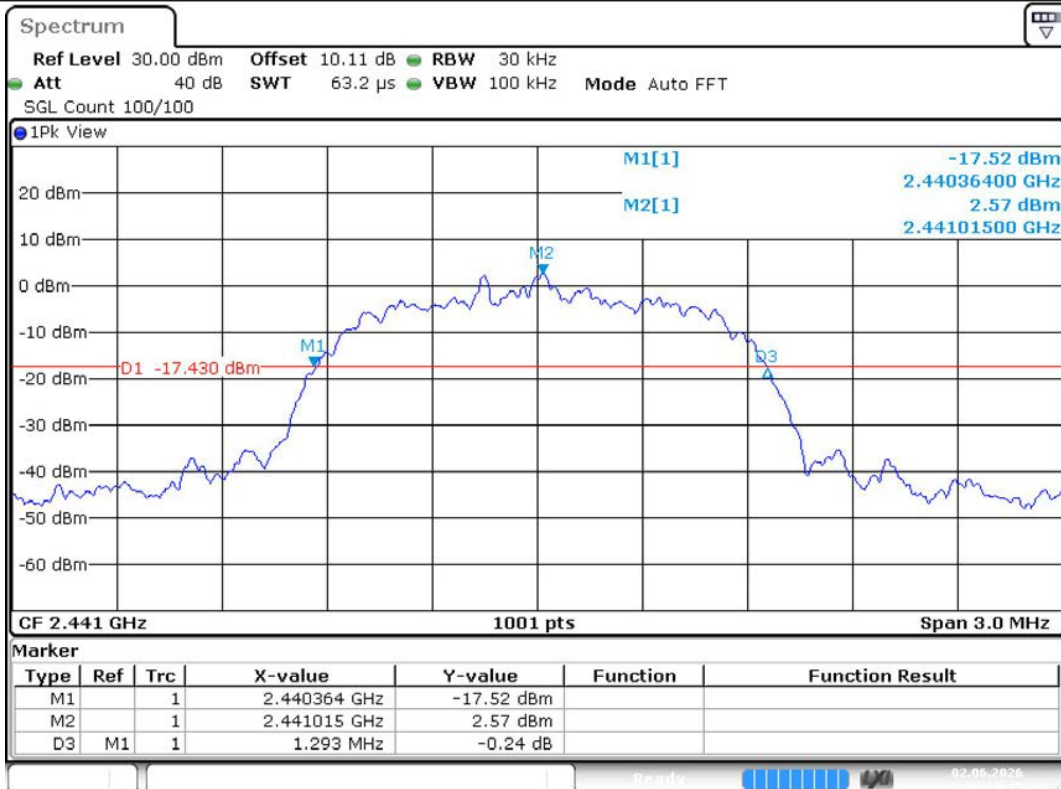
Date: 2.JUN.2026 09:14:19

## 2DH5-Ant1-2480



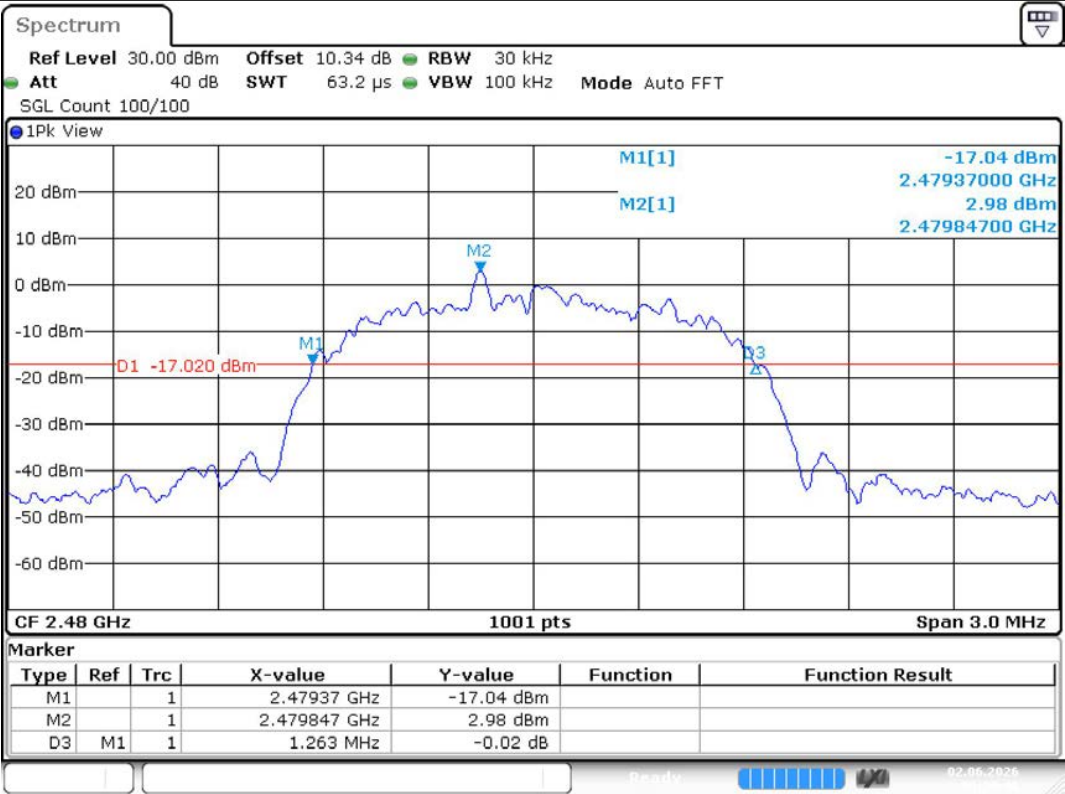
Date: 2.JUN.2026 09:17:51

## 3DH5-Ant1-2402



Date: 2.JUN.2026 09:19:15

## 3DH5-Ant1-2441



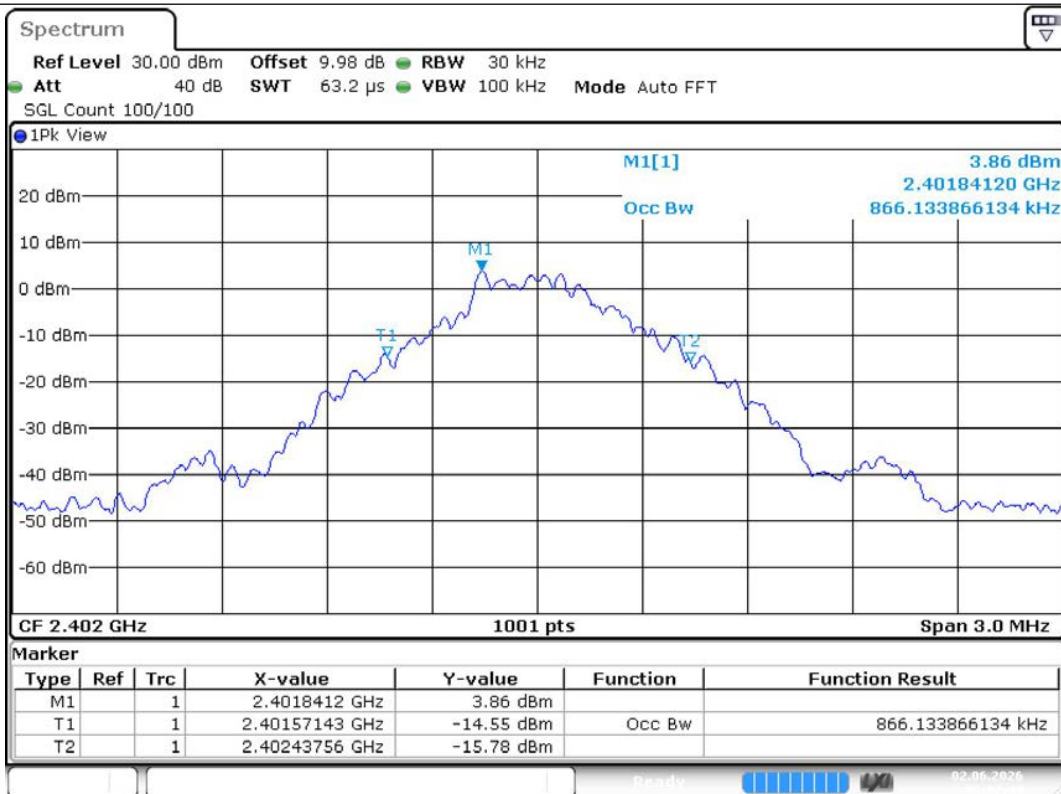
Date: 2.JUN.2026 09:20:48

3DH5-Ant1-2480

### Occupied Channel Bandwidth

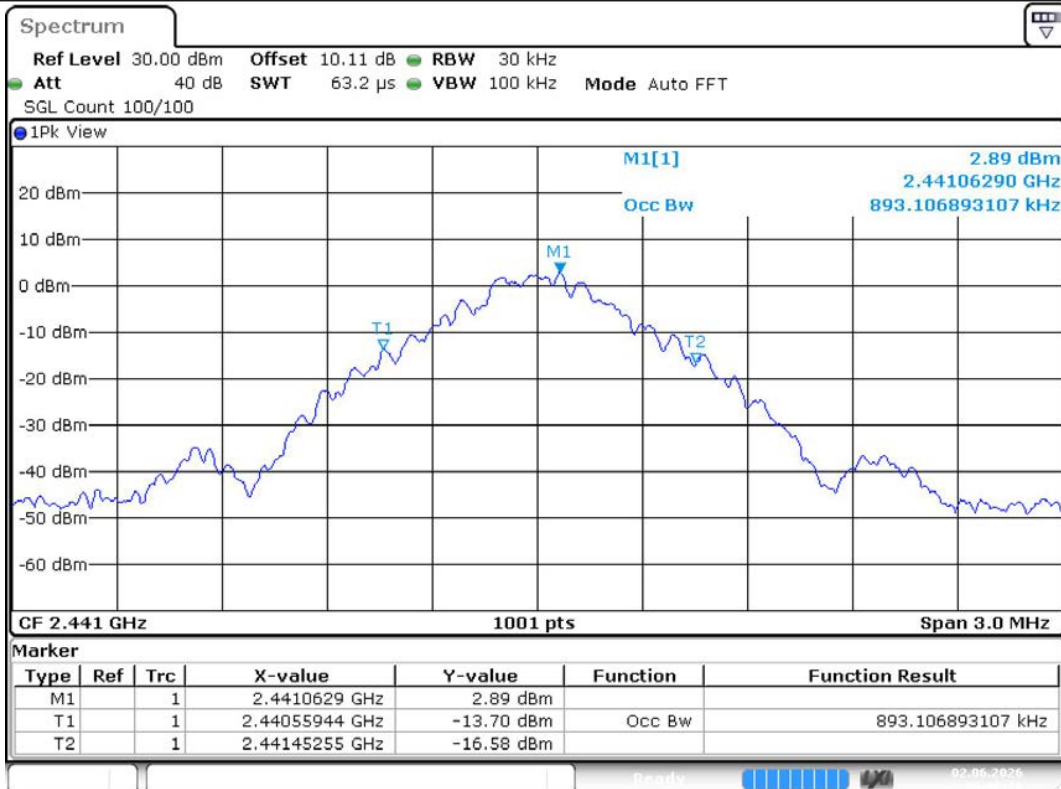
| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402           | 0.86613   | 2401.5714 | 2402.4376 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.89311   | 2440.5594 | 2441.4525 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.85115   | 2479.5714 | 2480.4226 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.1658    | 2401.4186 | 2402.5844 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.1748    | 2440.4186 | 2441.5934 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.1598    | 2479.4216 | 2480.5814 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.1808    | 2401.4216 | 2402.6024 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.1778    | 2440.4246 | 2441.6024 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.1688    | 2479.4246 | 2480.5934 | ---        | ---     |





Date: 2.JUN.2026 09:02:44

DH5-Ant1-2402



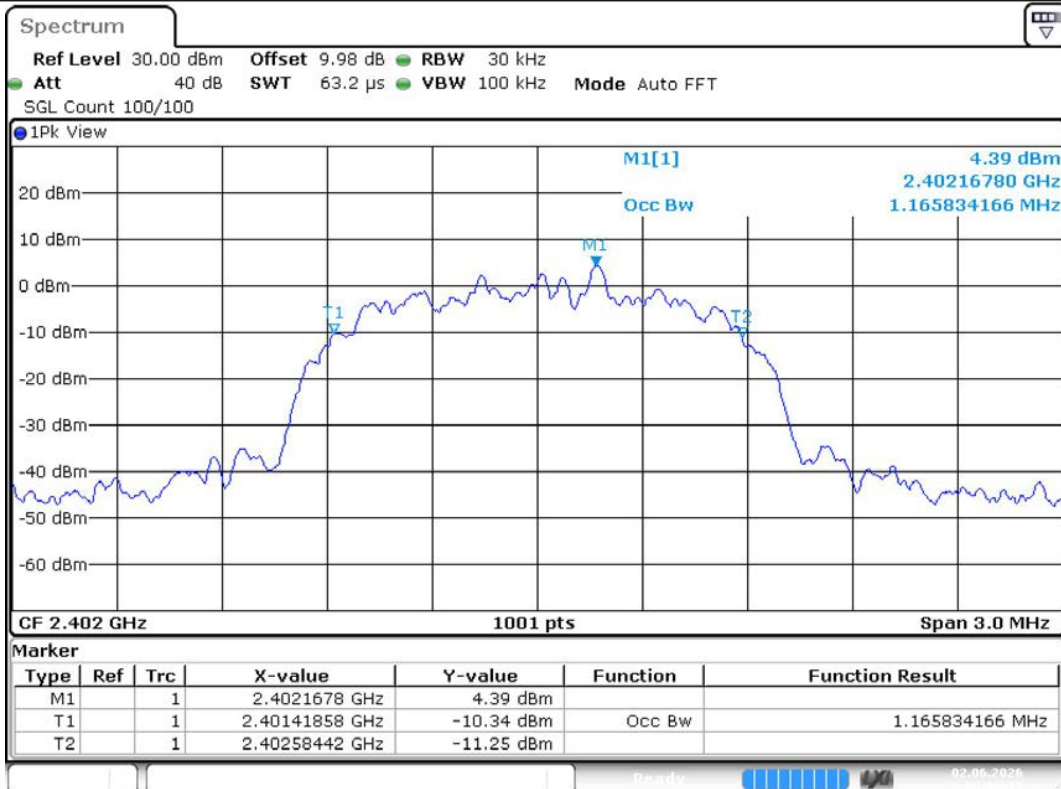
Date: 2.JUN.2026 09:06:28

DH5-Ant1-2441



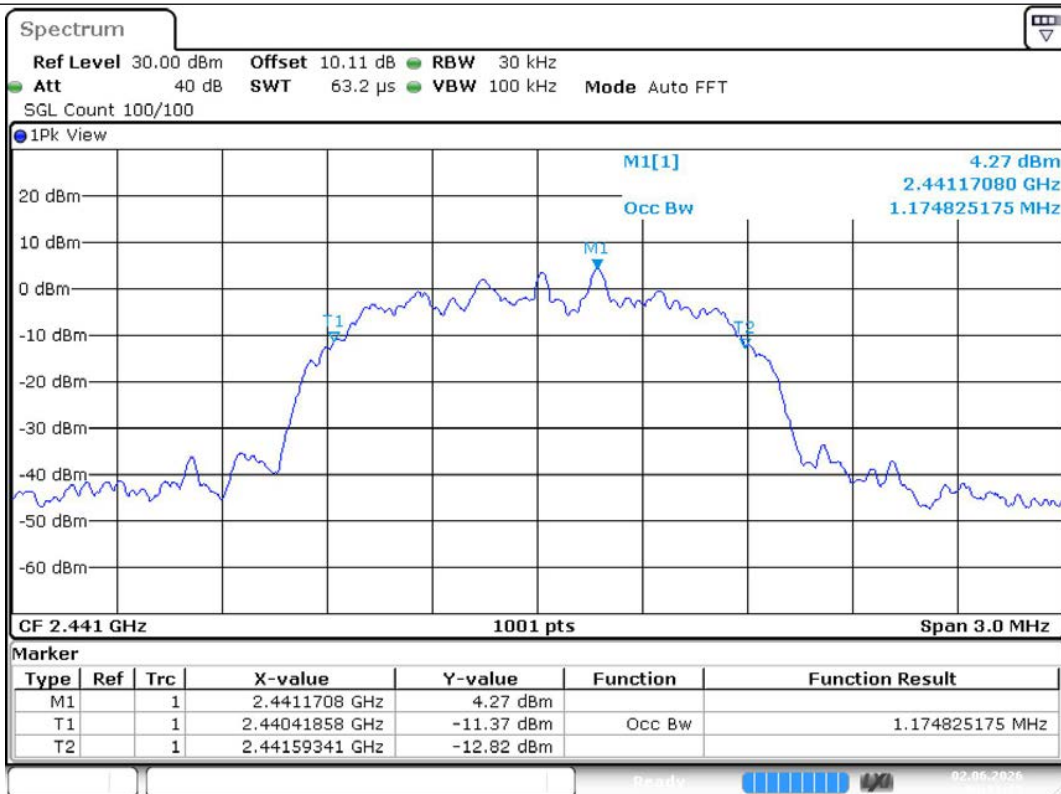
Date: 2.JUN.2026 09:08:04

DH5-Ant1-2480



Date: 2.JUN.2026 09:09:33

2DH5-Ant1-2402



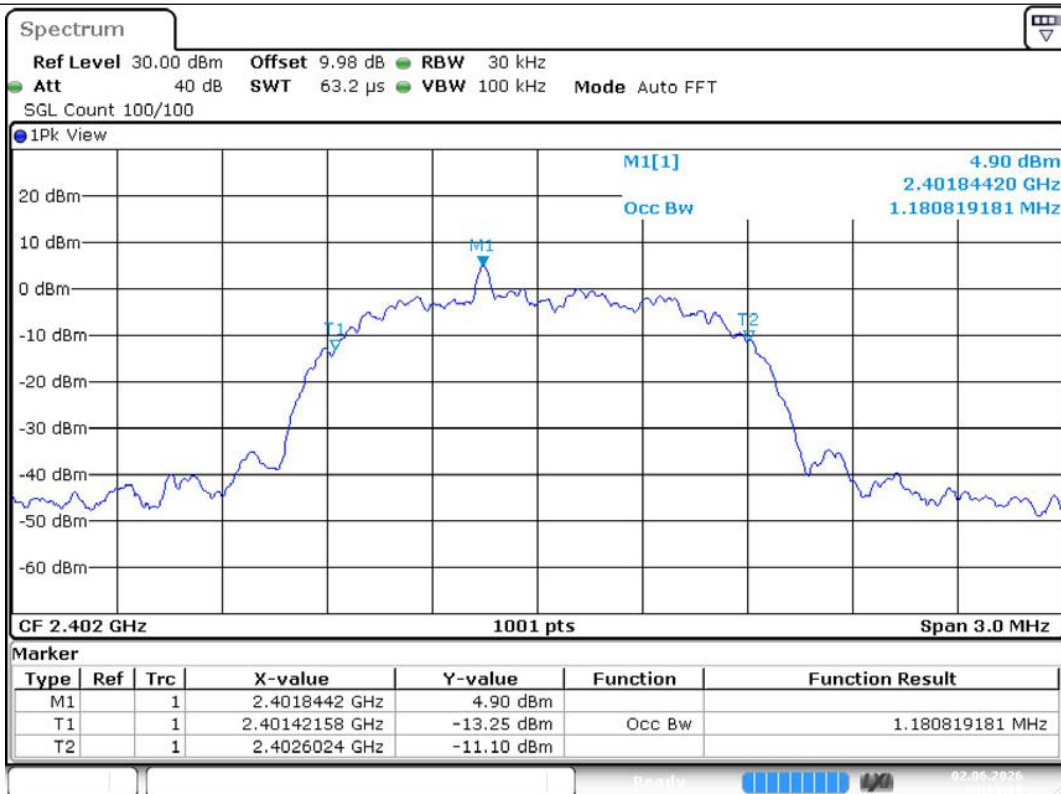
Date: 2.JUN.2026 09:11:24

## 2DH5-Ant1-2441



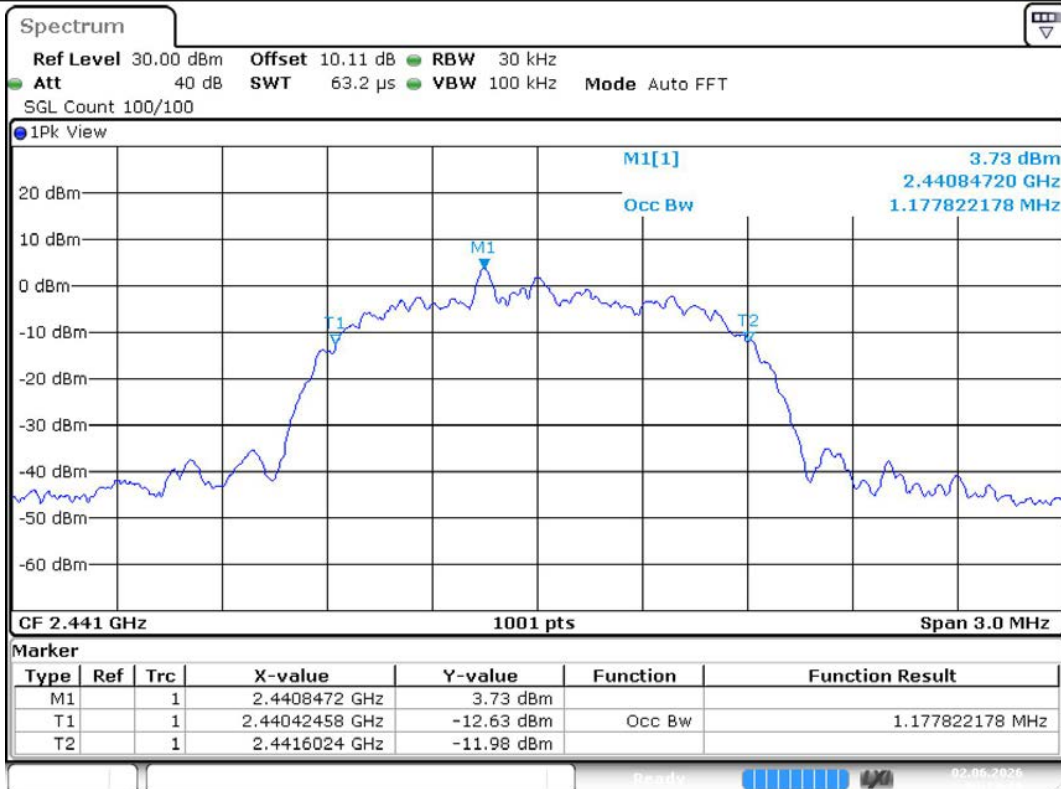
Date: 2.JUN.2026 09:12:38

## 2DH5-Ant1-2480



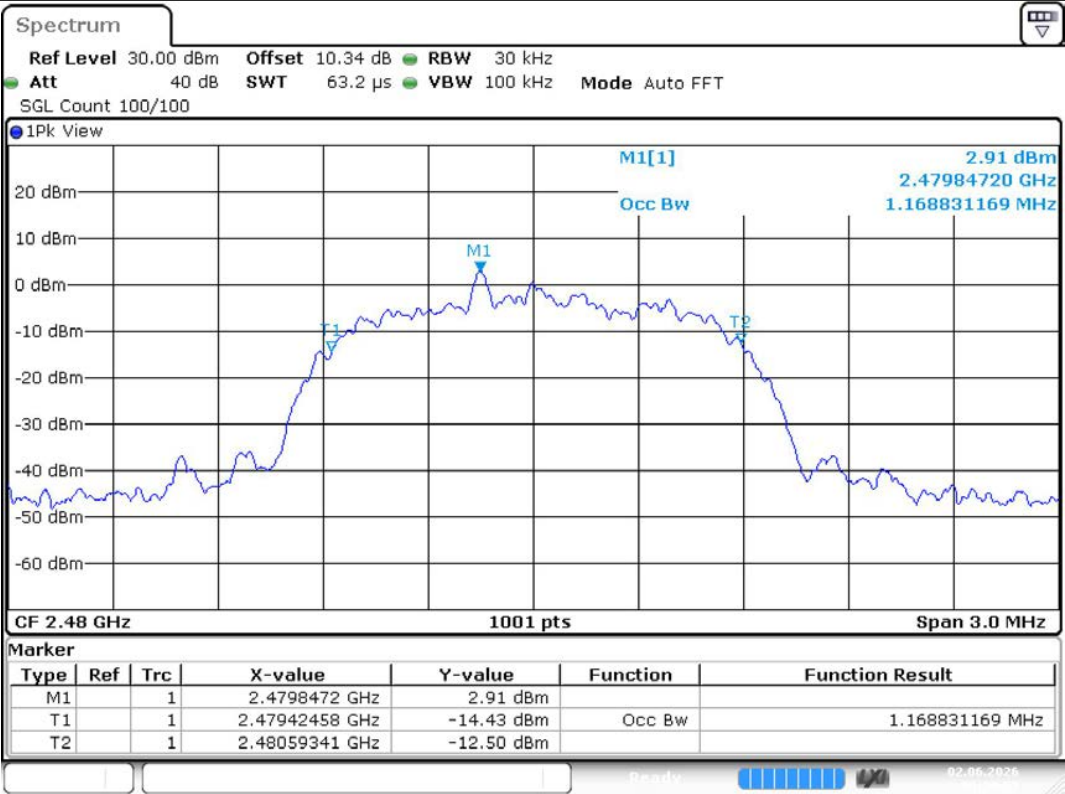
Date: 2.JUN.2026 09:15:09

## 3DH5-Ant1-2402



Date: 2.JUN.2026 09:19:20

## 3DH5-Ant1-2441



Date: 2.JUN.2026 09:20:53

3DH5-Ant1-2480

## 9.2 CARRIER FREQUENCY SEPARATION

### 9.2.1 Applicable Standard

According to FCC Part 15.247(a)(1) and KDB 558074 D01 15.247 MEAS GUIDANCE v05r02  
According to IC RSS-247

### 9.2.2 Conformance Limit

Frequency hopping systems operating in the 2400-2483.5MHz band shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater.

In case of an output power less than 125mW, the frequency hopping system may have channels separated by a minimum of 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

### 9.2.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

### 9.2.4 Test Procedure

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

Set the RBW = 300kHz. Set VBW = 300kHz.

Set the span = wide enough to capture the peaks of two adjacent channels

Set Sweep time = auto couple.

Set Detector = peak. Set Trace mode = max hold.

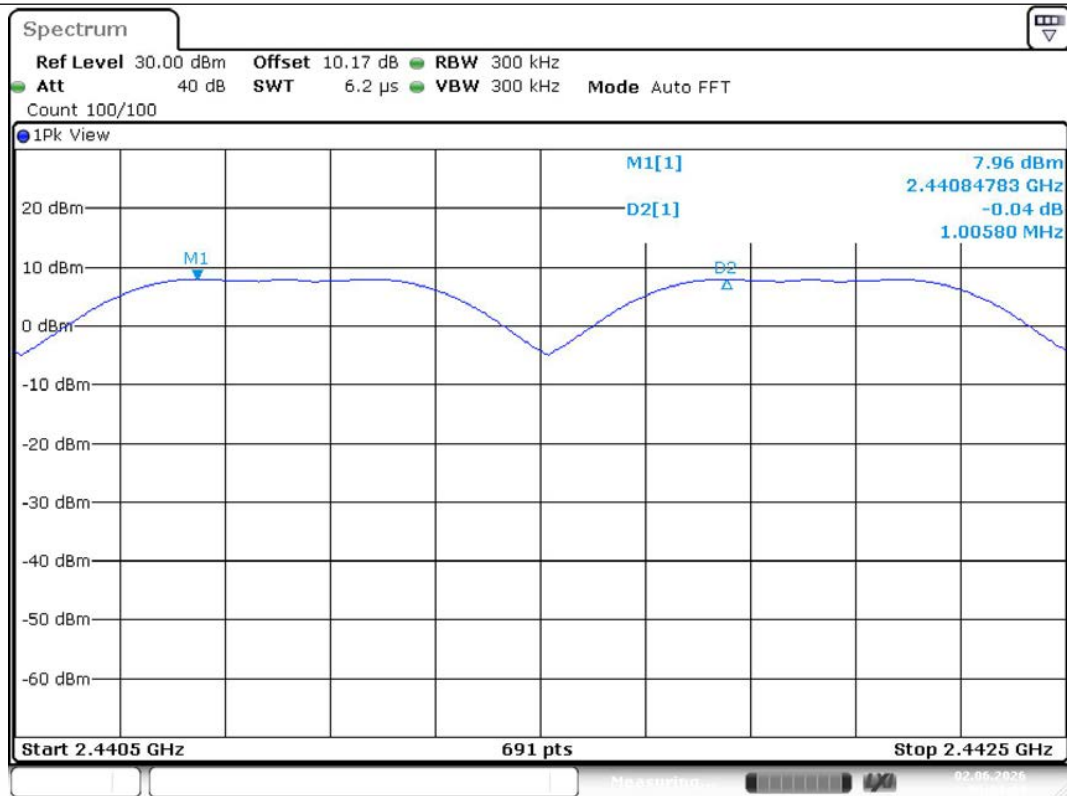
Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section. Submit this plot.

### Test Results

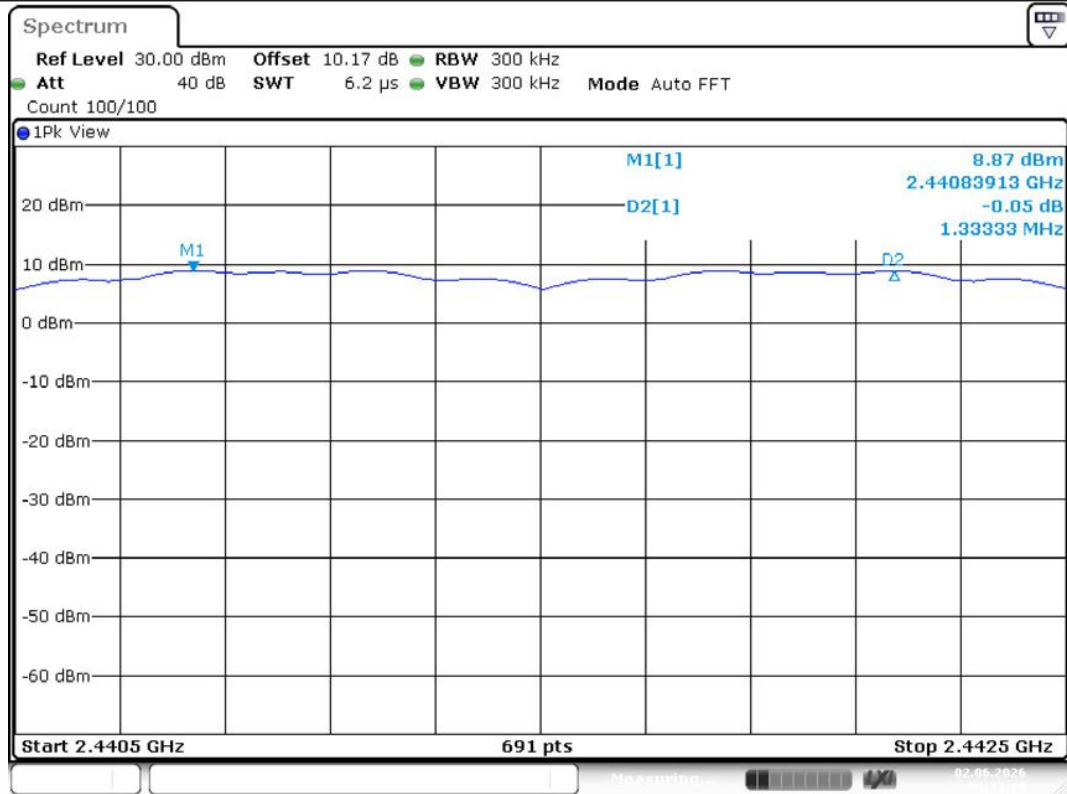
|                    |           |
|--------------------|-----------|
| Temperature:       | 25.4° C   |
| Relative Humidity: | 48%       |
| ATM Pressure:      | 1011 mbar |

Note: For GFSK, pi/4-DQPSK, 8DPSK Limit = 20dB bandwidth \* 2/3

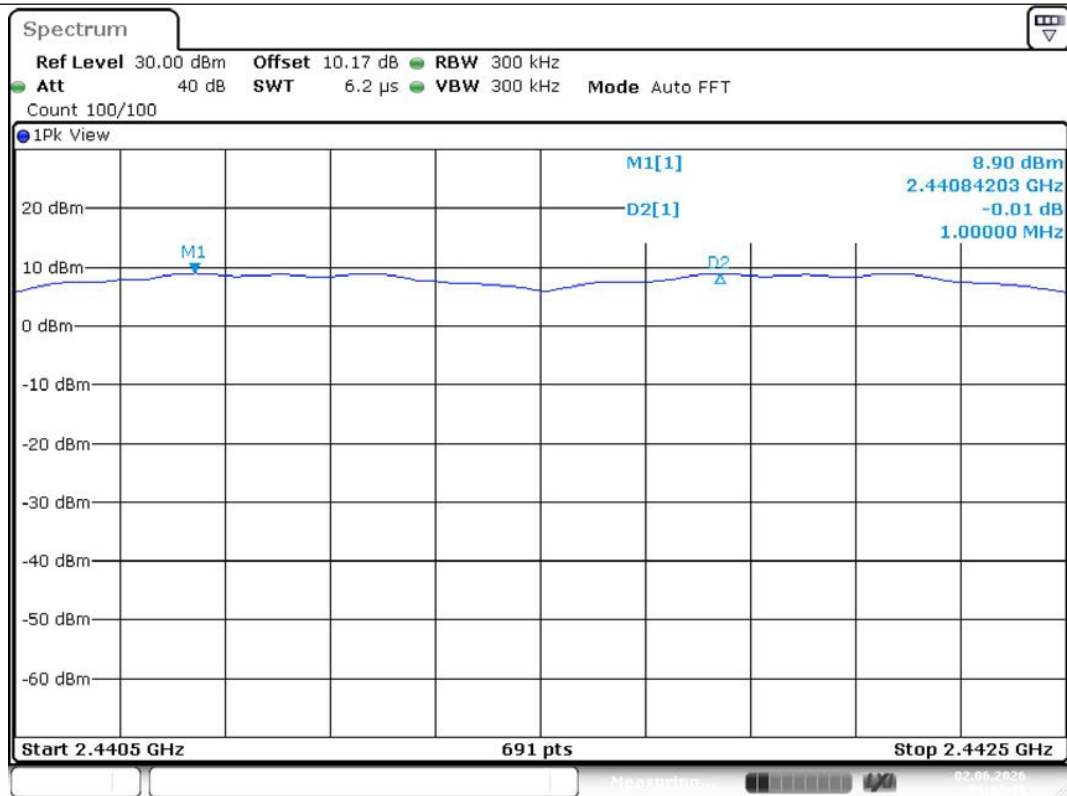
| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5      | Ant1    | Hop            | 1.006       | ≥0.960     | PASS    |
| 2DH5     | Ant1    | Hop            | 1.333       | ≥1.280     | PASS    |
| 3DH5     | Ant1    | Hop            | 1           | ≥0.860     | PASS    |



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



Date: 2.JUN.2026 09:37:38

3DH5-Ant1-Hop-PASS

### 9.3 NUMBER OF HOPPING FREQUENCIES

#### 9.3.1 Applicable Standard

According to FCC Part 15.247(a)(1) and KDB 558074 D01 15.247 MEAS GUIDANCE v05r02  
According to IC RSS-247

#### 9.3.2 Conformance Limit

Frequency hopping systems operating in the 2400-2483.5MHz band shall use at least 15 channels.

#### 9.3.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

#### 9.3.4 Test Procedure

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

Span = the frequency band of operation (2400-2483.5MHz)

RBW = 300KHz

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

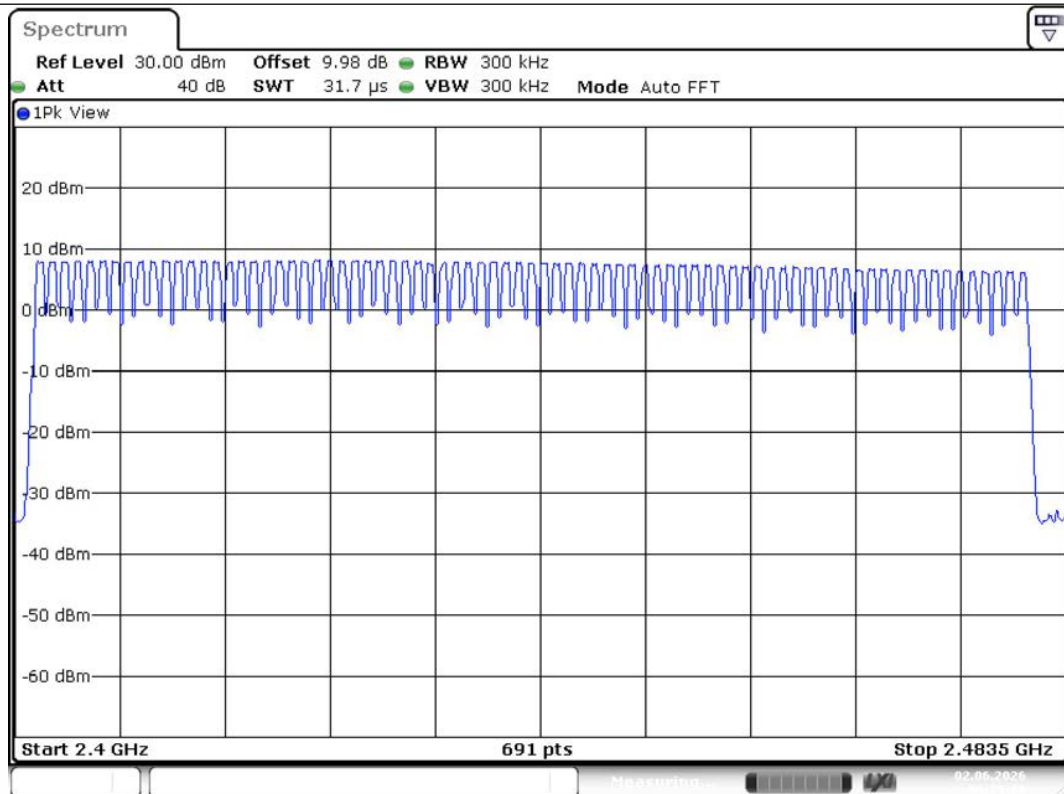
Allow the trace to stabilize. It may prove necessary to break the span up to sections, in order to clearly show all of the hopping frequencies.

#### Test Results

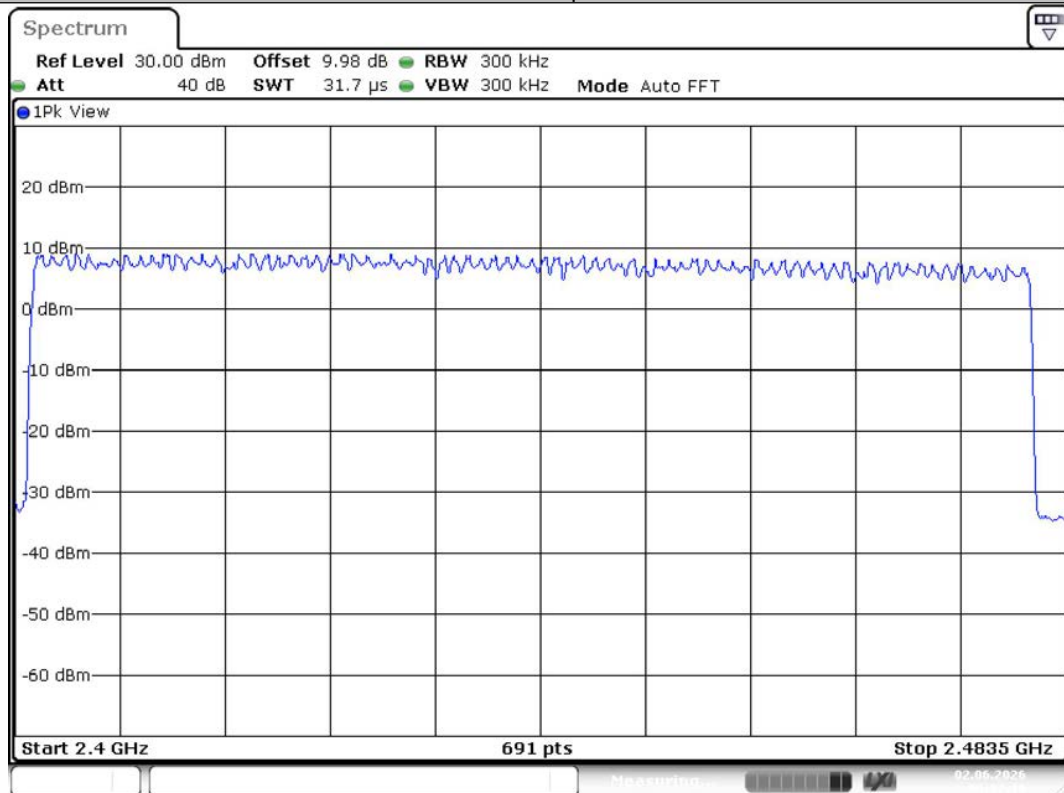
|                    |           |
|--------------------|-----------|
| Temperature:       | 25.4° C   |
| Relative Humidity: | 48%       |
| ATM Pressure:      | 1011 mbar |

Note: N/A

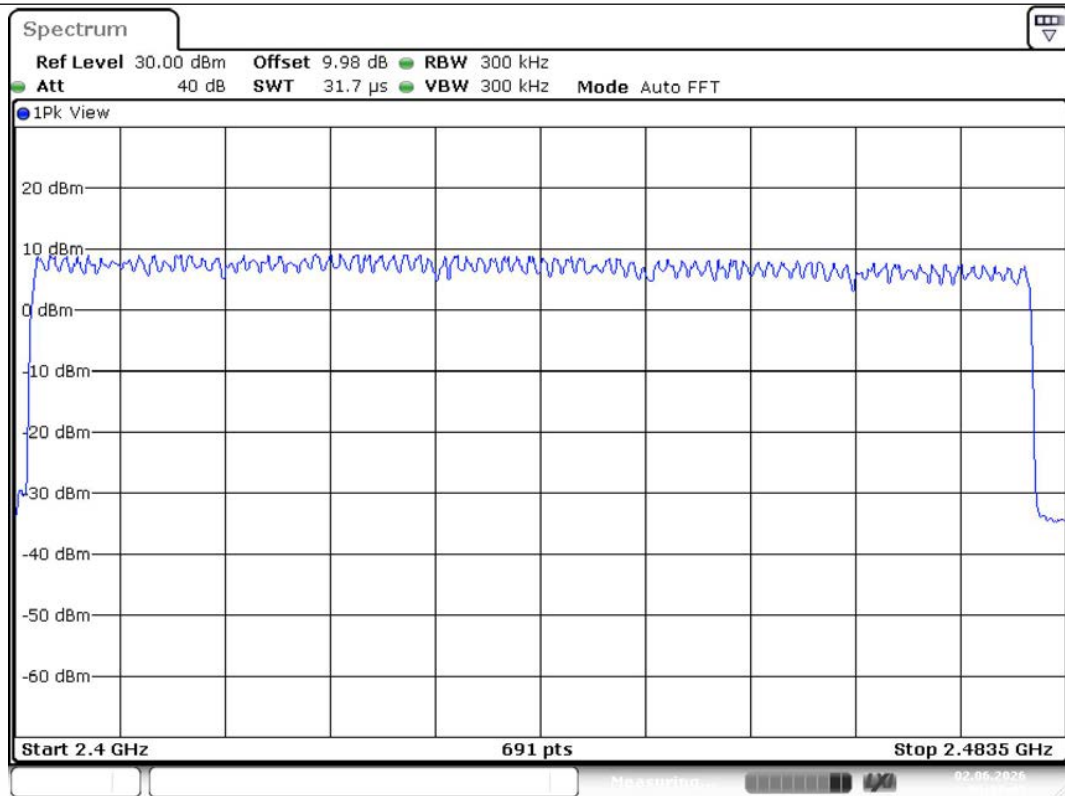
| TestMode | Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5      | Ant1    | Hop            | 79          | $\geq 15$  | PASS    |
| 2DH5     | Ant1    | Hop            | 79          | $\geq 15$  | PASS    |
| 3DH5     | Ant1    | Hop            | 79          | $\geq 15$  | PASS    |



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

## 9.4 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

### 9.4.1 Applicable Standard

According to FCC Part 15.247(a)(1) and KDB 558074 D01 15.247 MEAS GUIDANCE v05r02  
According to IC RSS-247

### 9.4.2 Conformance Limit

For frequency hopping systems operating in the 2400-2483.5MHz band, the averagetime of occupancy on any channel shall not be greater than 0.4s within a period of 0.4smultiplied by the number of hopping channels employed.

### 9.4.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

### 9.4.4 Test Procedure

The EUT must have its hopping function enabled. Use the following spectrum analyzersettings:

Span = zero span, centered on a hopping channel

RBW = 1 MHz

VBW  $\geq$  RBW

Sweep = as necessary to capture the entire dwell time per hopping channel

Detector function = peak

Trace = max hold

If possible, use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphsof this Section.

### 9.4.5 Test Results

|                    |           |
|--------------------|-----------|
| Temperature:       | 25.4° C   |
| Relative Humidity: | 48%       |
| ATM Pressure:      | 1011 mbar |

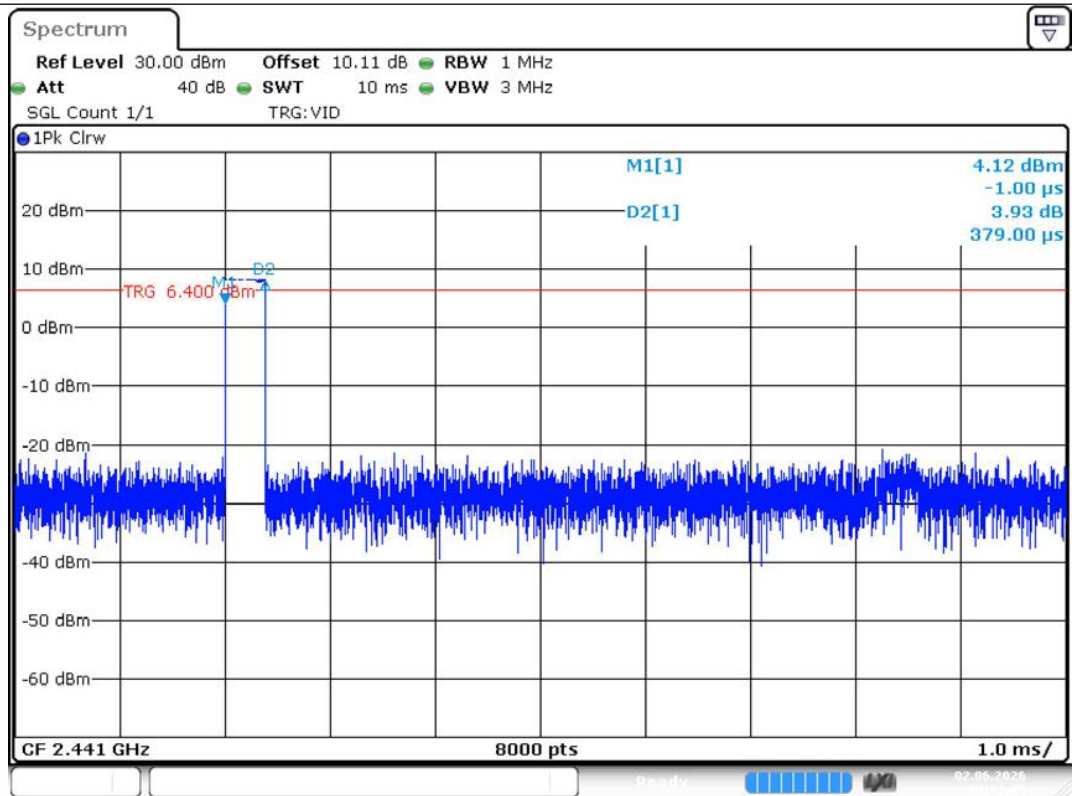
Note:  $TotalHops(DH1) = (1600/2/79) * 31.6$

$TotalHops(DH3) = (1600/4/79) * 31.6$

$TotalHops(DH5) = (1600/6/79) * 31.6$

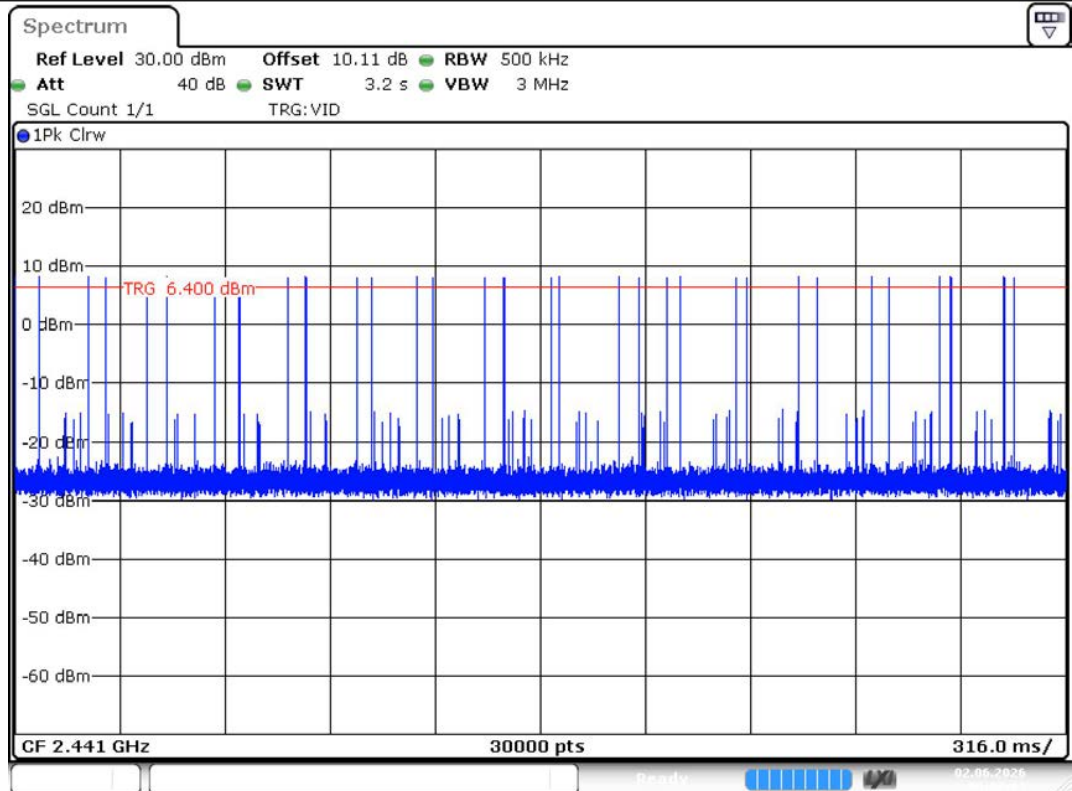
$DwellTime = BurstWidth * TotalHops$

| TestMode | Antenna | Frequency[MHz] | BurstWidth [ms] | TotalHops [Num] | Result[s] | Limit[s]   | Verdict |
|----------|---------|----------------|-----------------|-----------------|-----------|------------|---------|
| DH1      | Ant1    | Hop            | 0.379           | 320             | 0.121     | $\leq 0.4$ | PASS    |
| DH3      | Ant1    | Hop            | 1.628           | 170             | 0.277     | $\leq 0.4$ | PASS    |
| DH5      | Ant1    | Hop            | 2.868           | 110             | 0.315     | $\leq 0.4$ | PASS    |
| 2DH1     | Ant1    | Hop            | 0.388           | 330             | 0.128     | $\leq 0.4$ | PASS    |
| 2DH3     | Ant1    | Hop            | 1.631           | 200             | 0.326     | $\leq 0.4$ | PASS    |
| 2DH5     | Ant1    | Hop            | 2.873           | 110             | 0.316     | $\leq 0.4$ | PASS    |
| 3DH1     | Ant1    | Hop            | 0.386           | 330             | 0.127     | $\leq 0.4$ | PASS    |
| 3DH3     | Ant1    | Hop            | 1.631           | 230             | 0.375     | $\leq 0.4$ | PASS    |
| 3DH5     | Ant1    | Hop            | 2.874           | 110             | 0.316     | $\leq 0.4$ | PASS    |

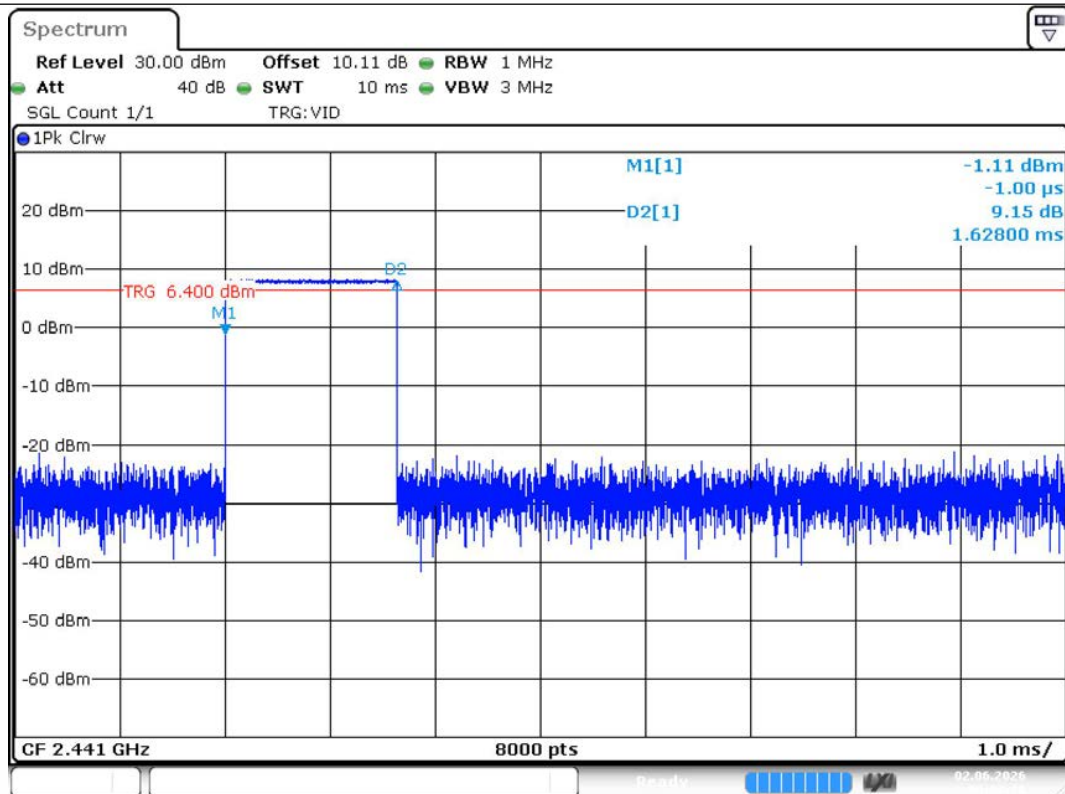


Date: 2.JUN.2026 09:27:43

## DH1-Ant1-Hop-PASS

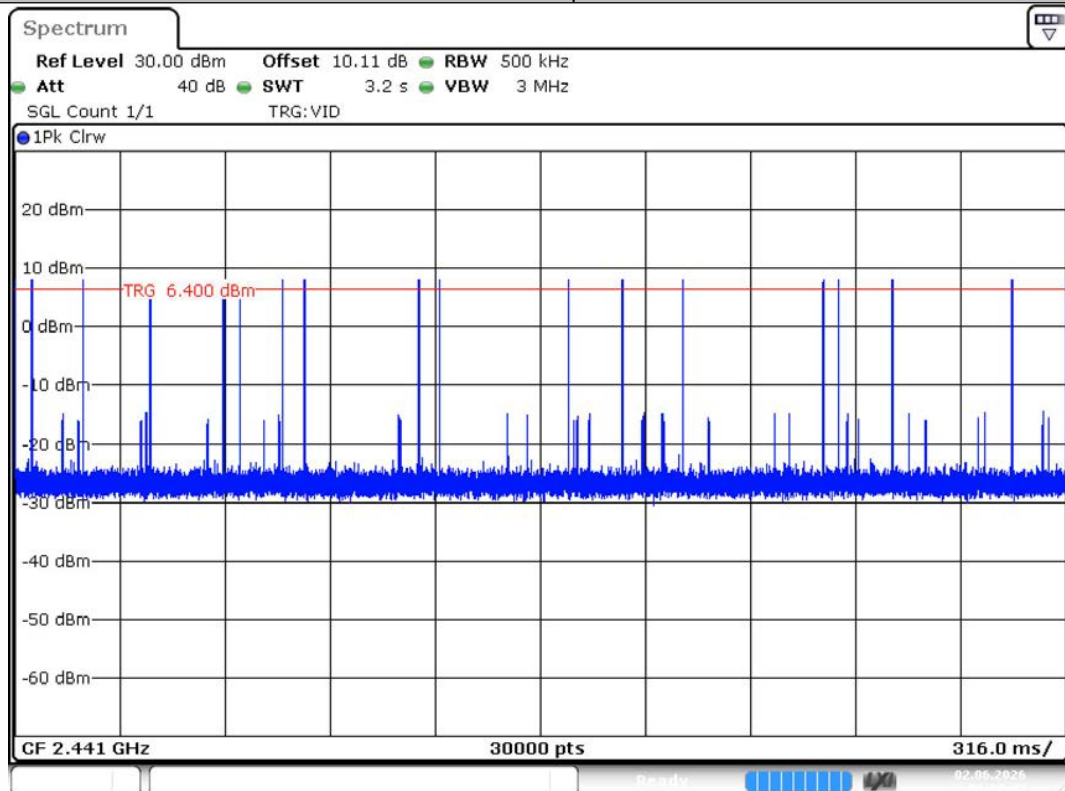


Date: 2.JUN.2026 09:28:01

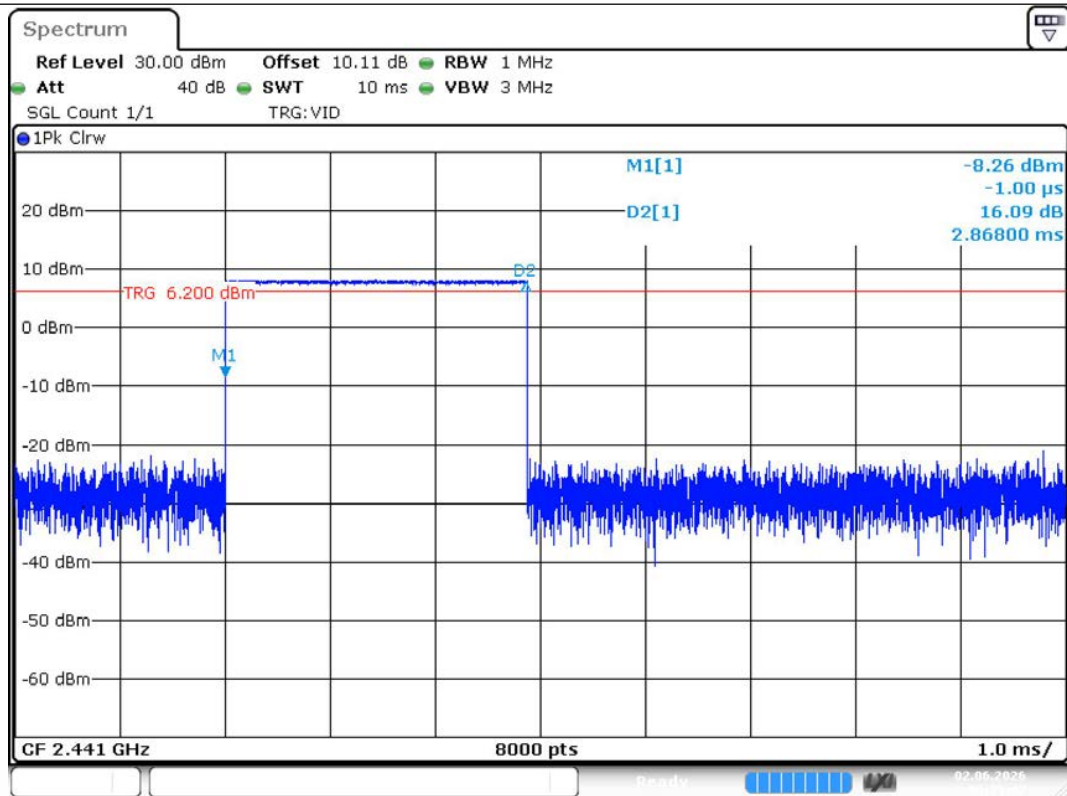


Date: 2.JUN.2026 09:28:29

## DH3-Ant1-Hop-PASS

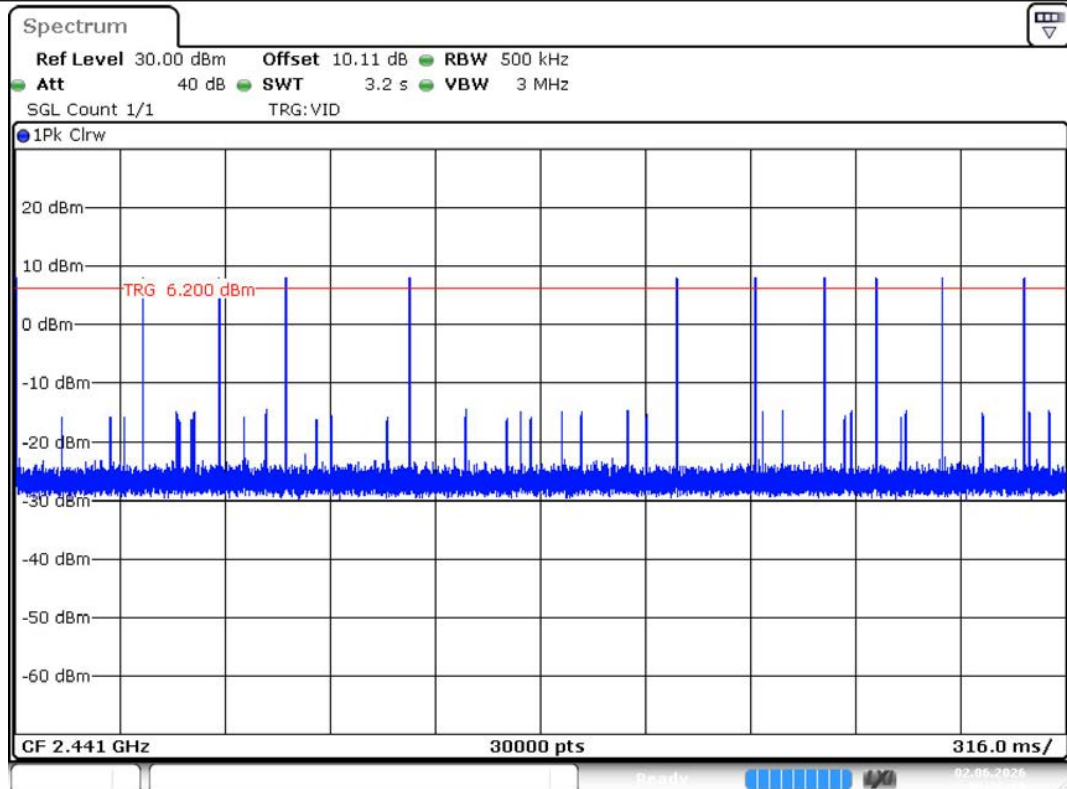


Date: 2.JUN.2026 09:28:47

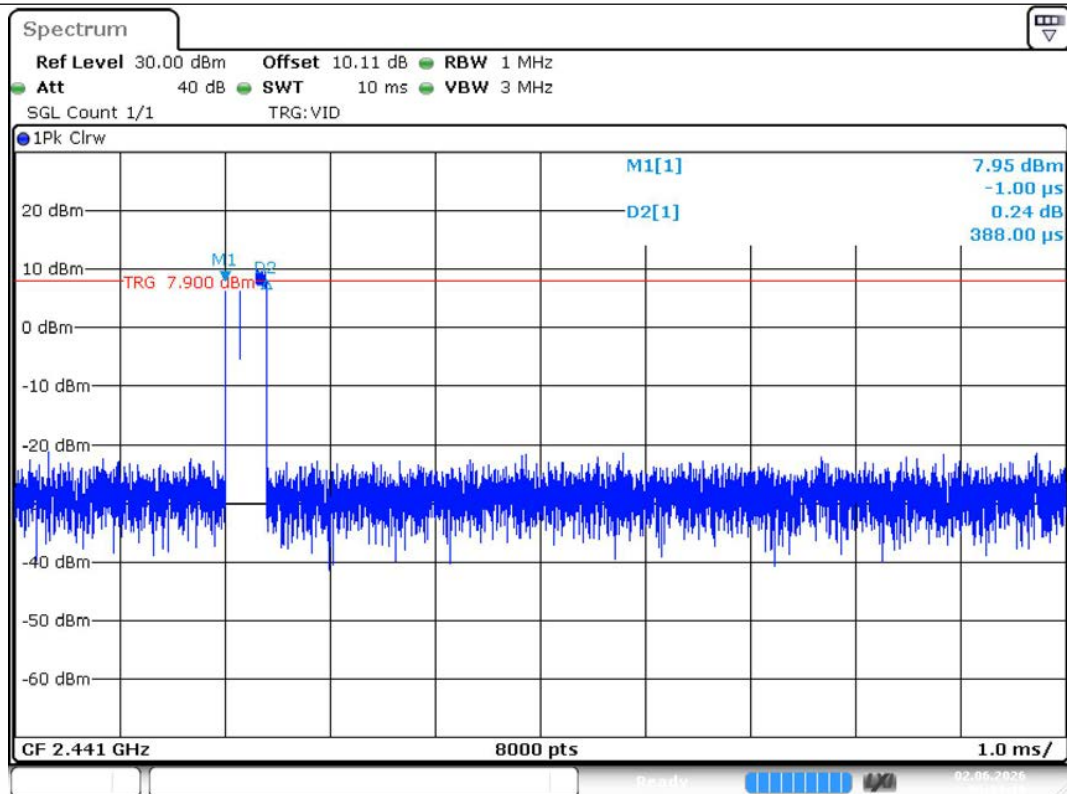


Date: 2.JUN.2026 09:25:48

## DH5-Ant1-Hop-PASS

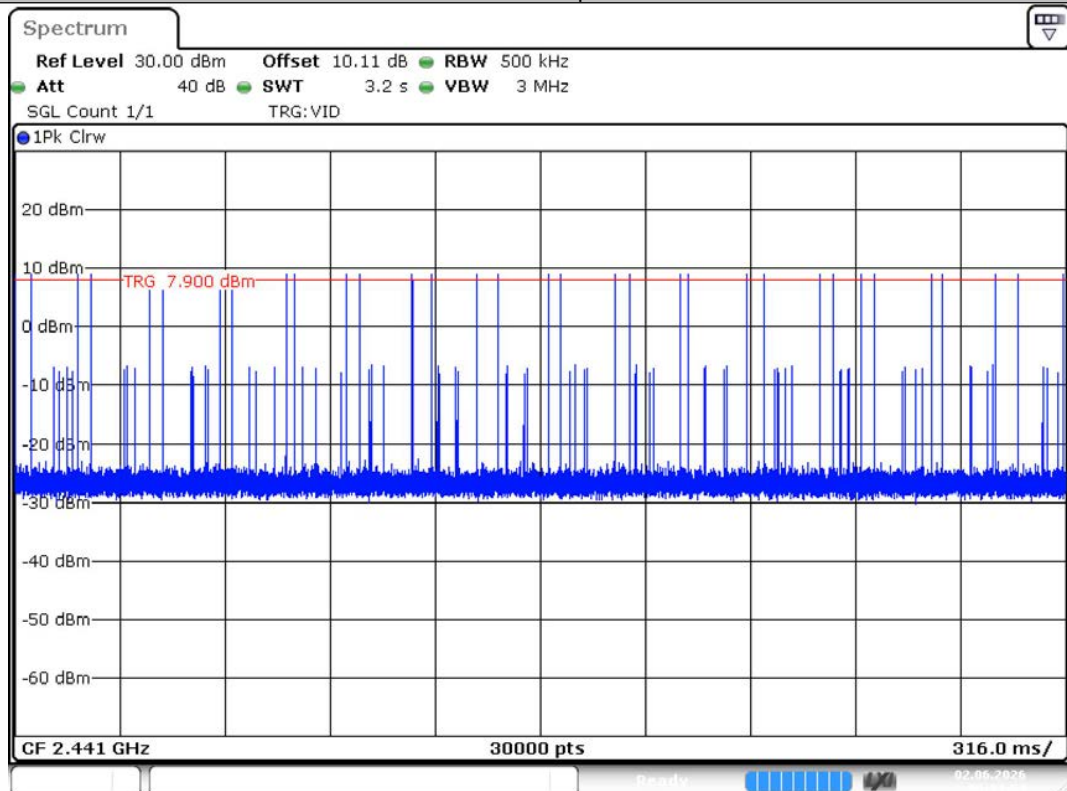


Date: 2.JUN.2026 09:26:06

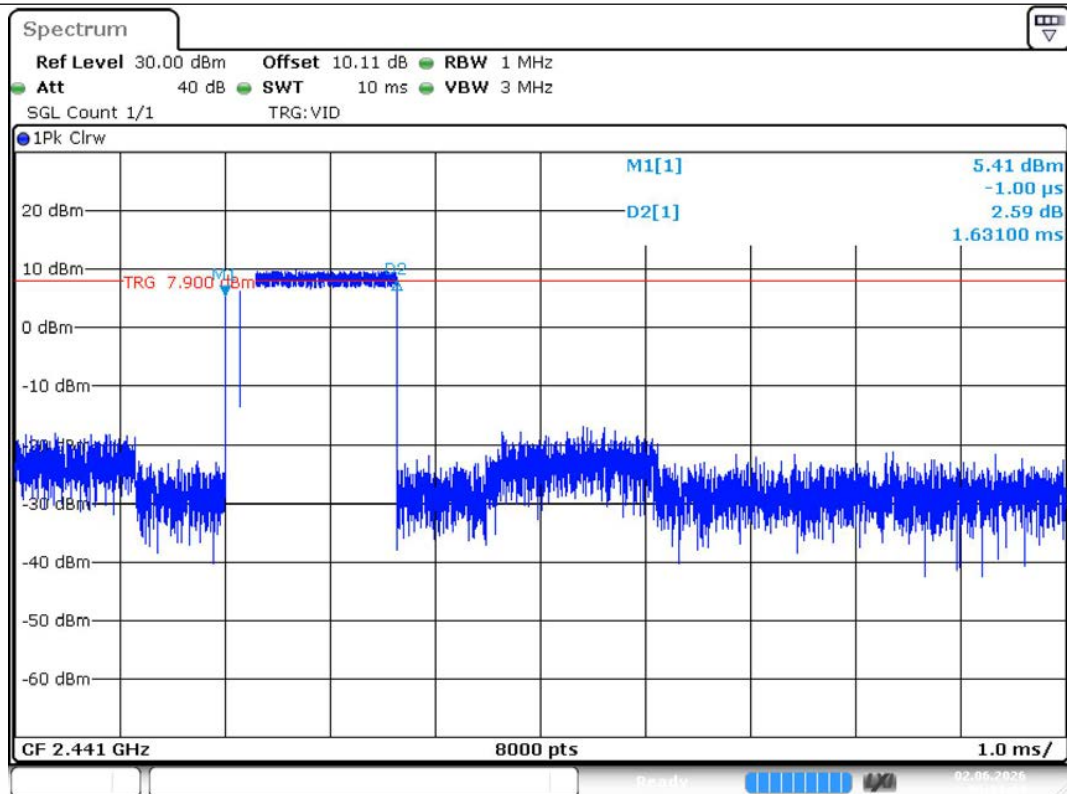


Date: 2.JUN.2026 09:33:36

## 2DH1-Ant1-Hop-PASS

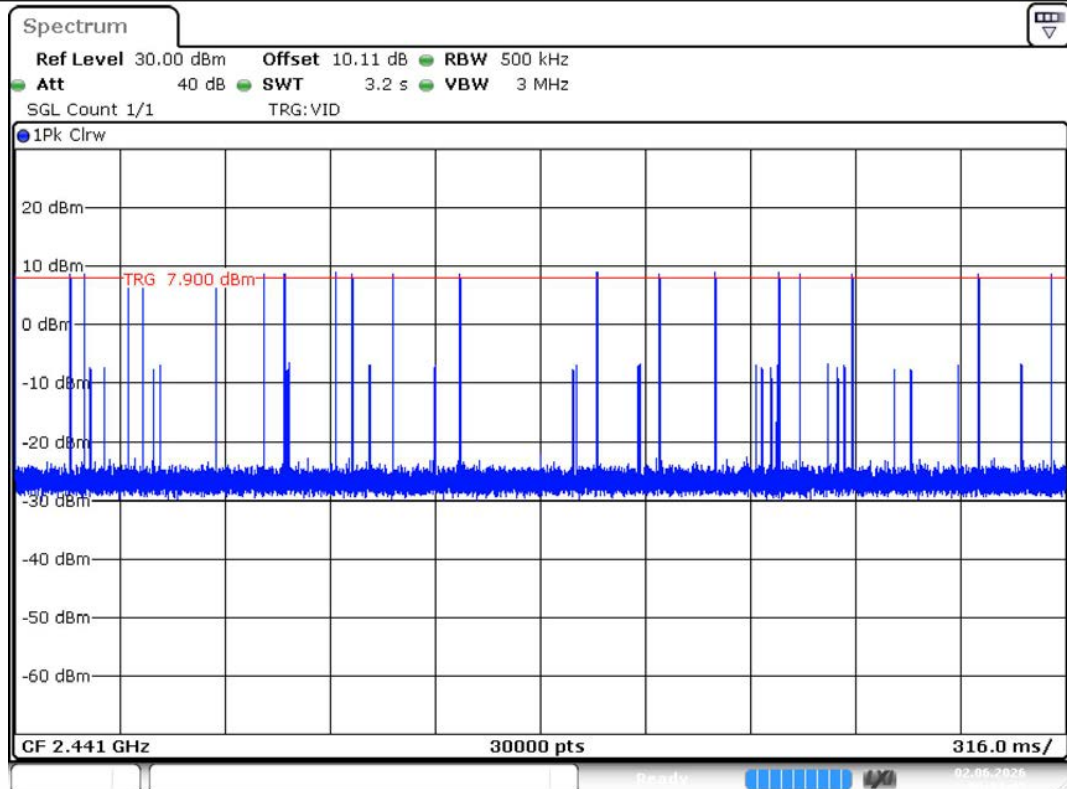


Date: 2.JUN.2026 09:33:55

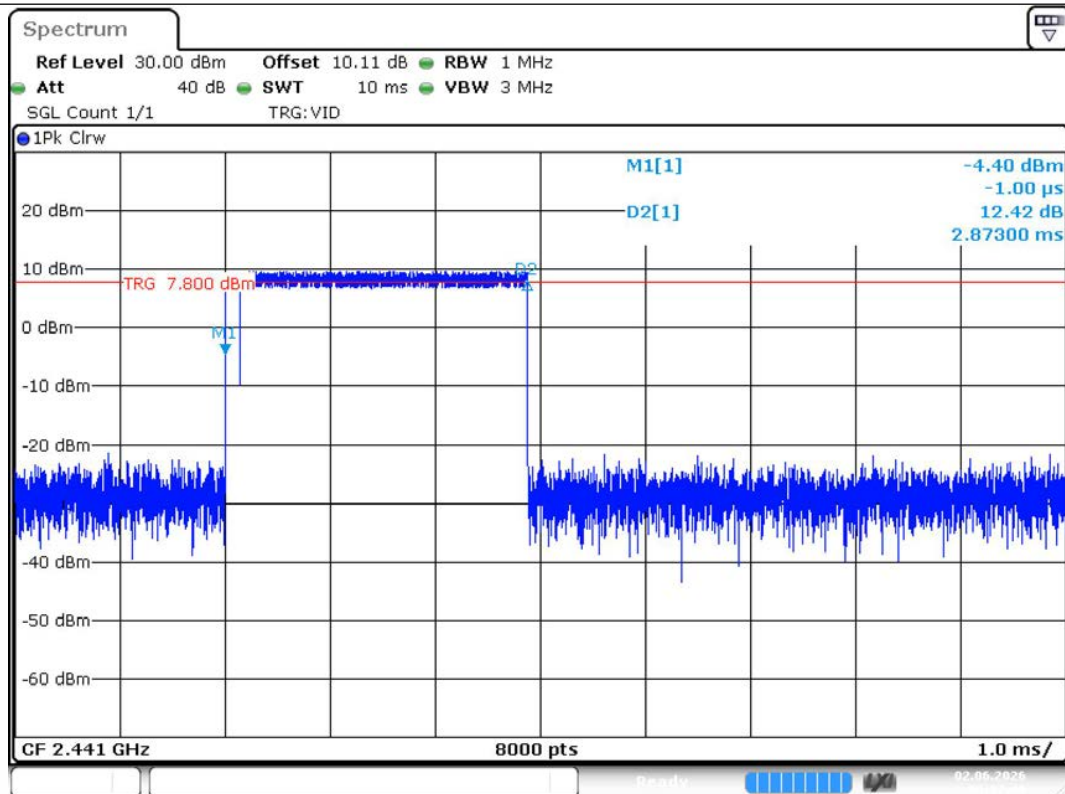


Date: 2.JUN.2026 09:34:25

## 2DH3-Ant1-Hop-PASS

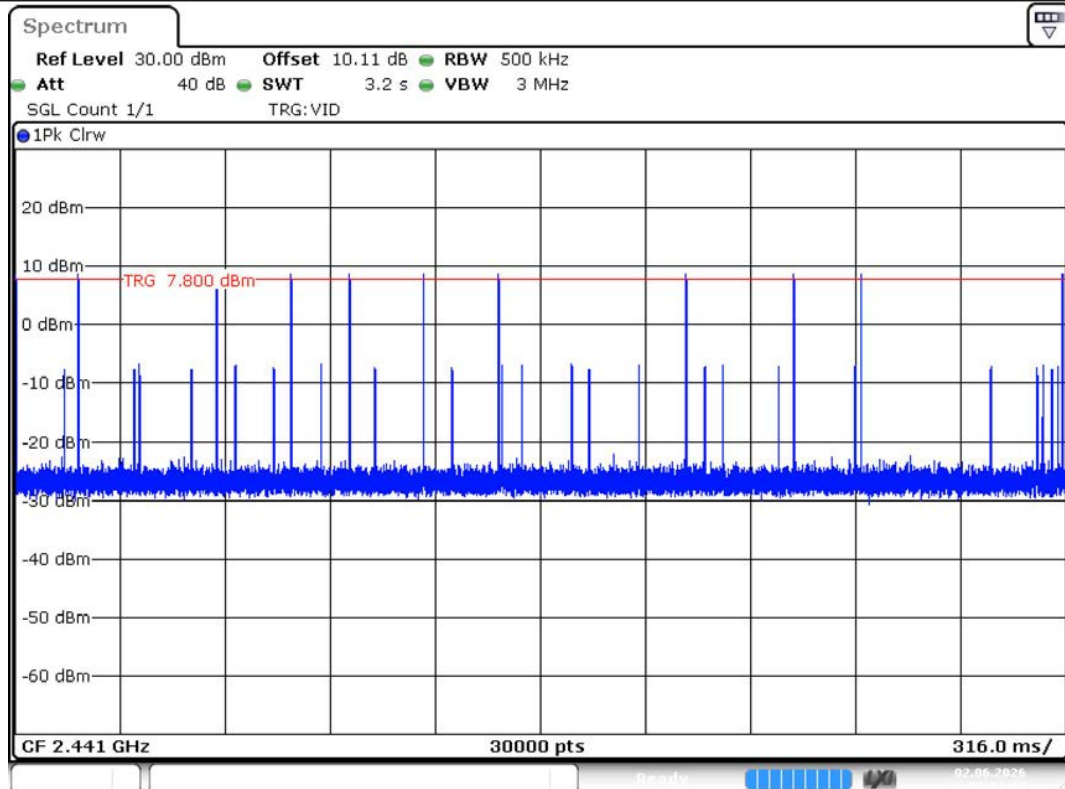


Date: 2.JUN.2026 09:34:43

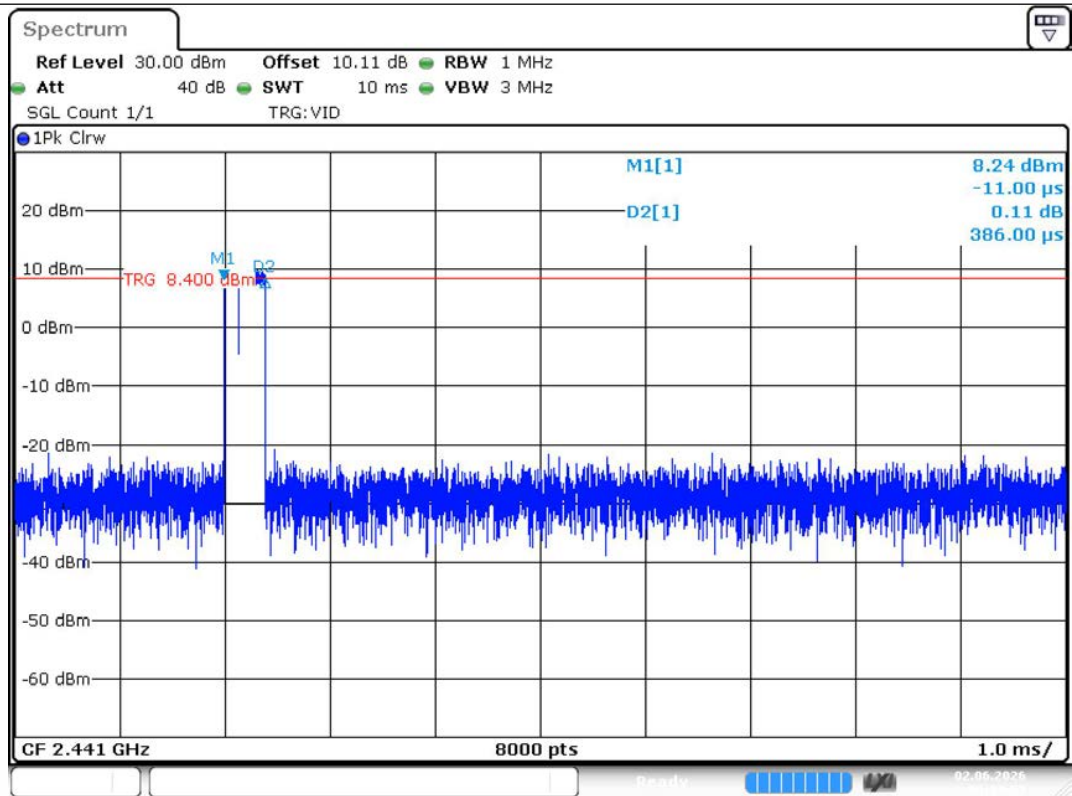


Date: 2.JUN.2026 09:32:49

## 2DH5-Ant1-Hop-PASS

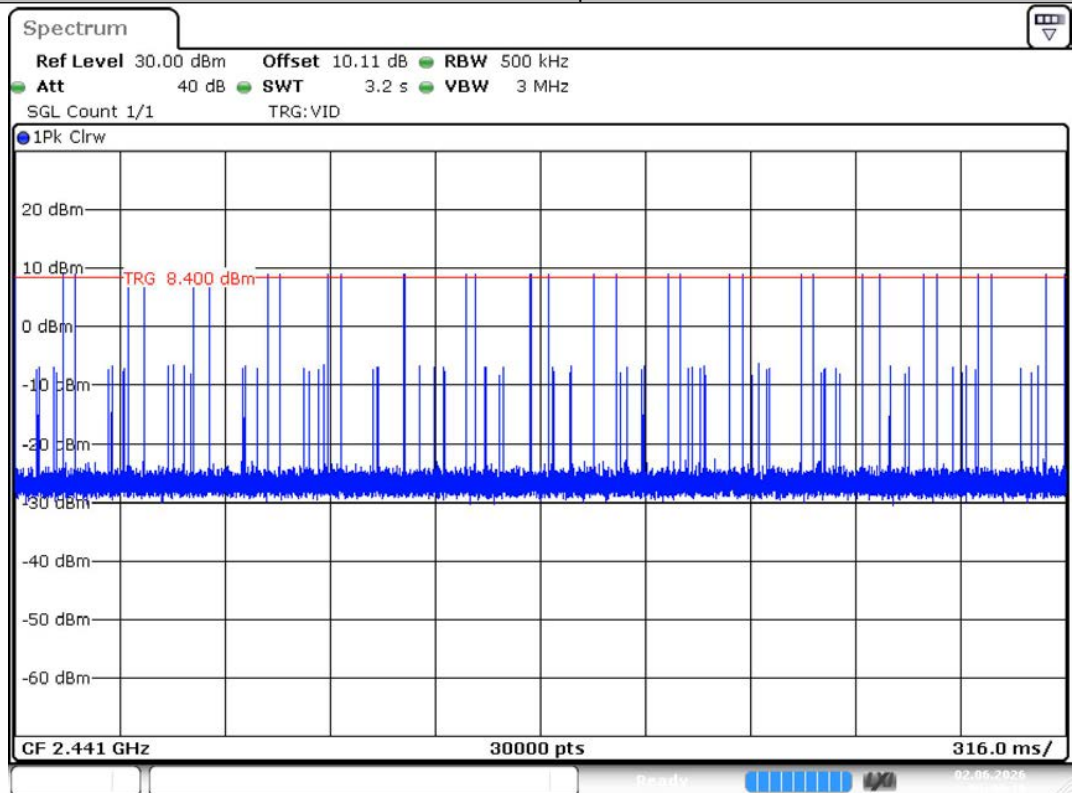


Date: 2.JUN.2026 09:33:07

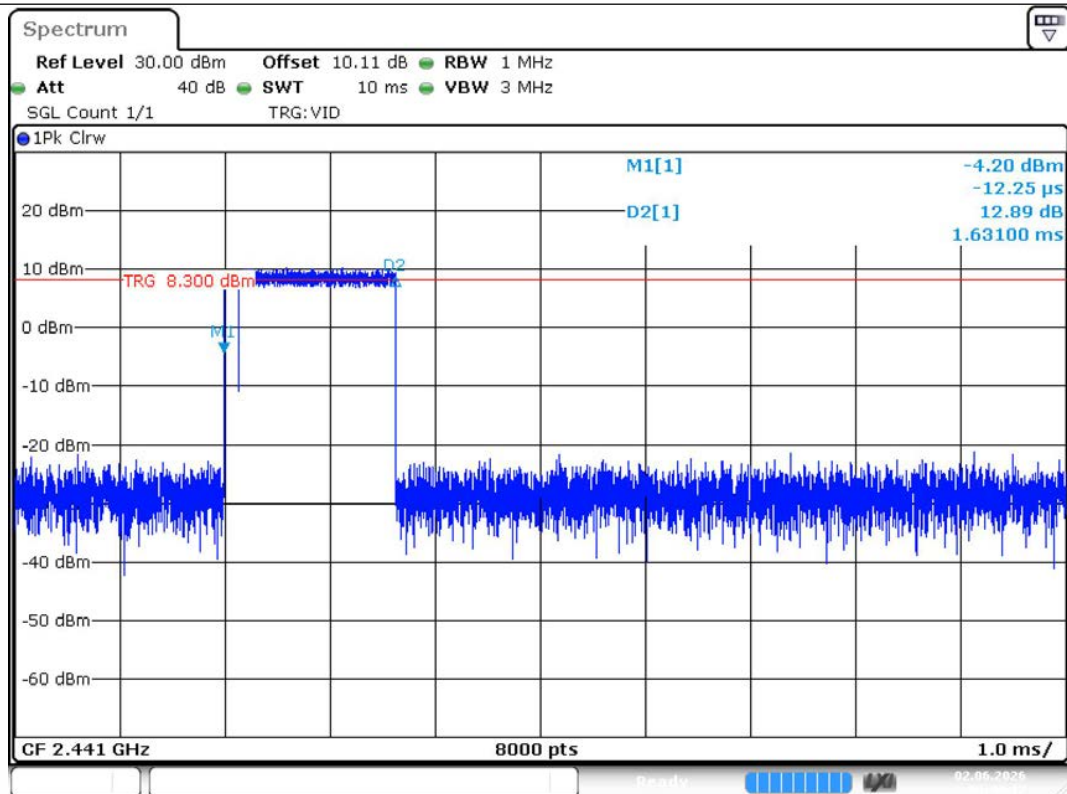


Date: 2.JUN.2026 09:39:52

## 3DH1-Ant1-Hop-PASS

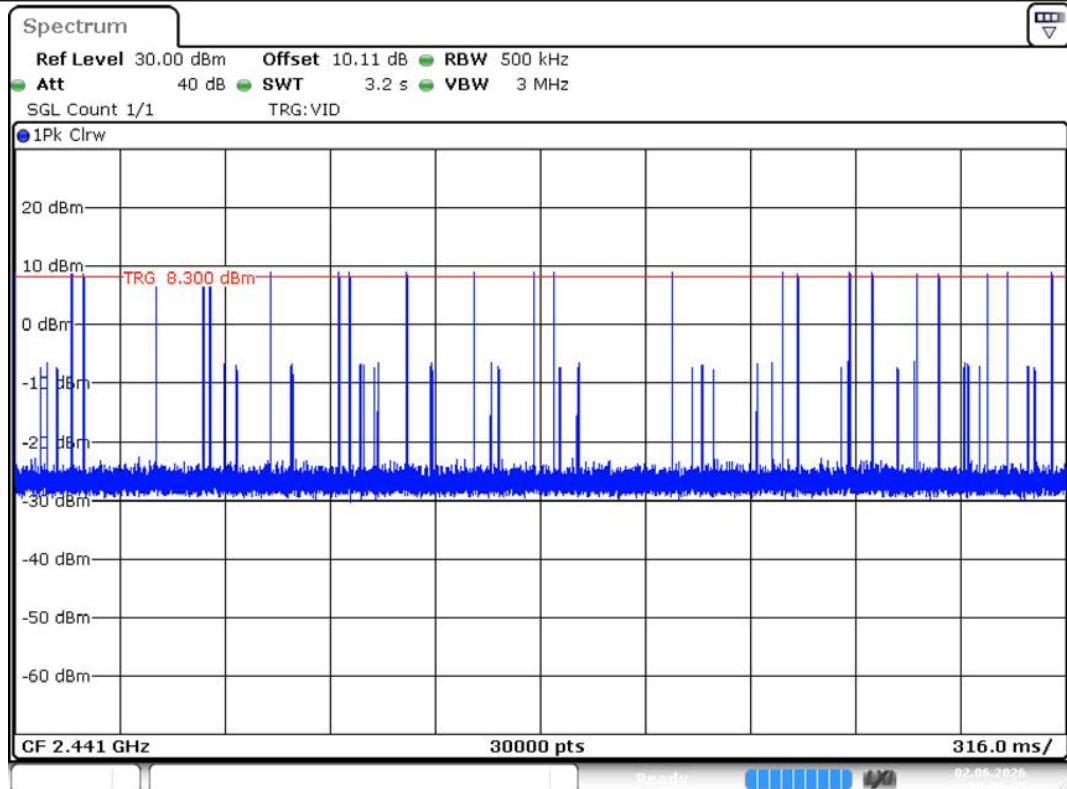


Date: 2.JUN.2026 09:40:10

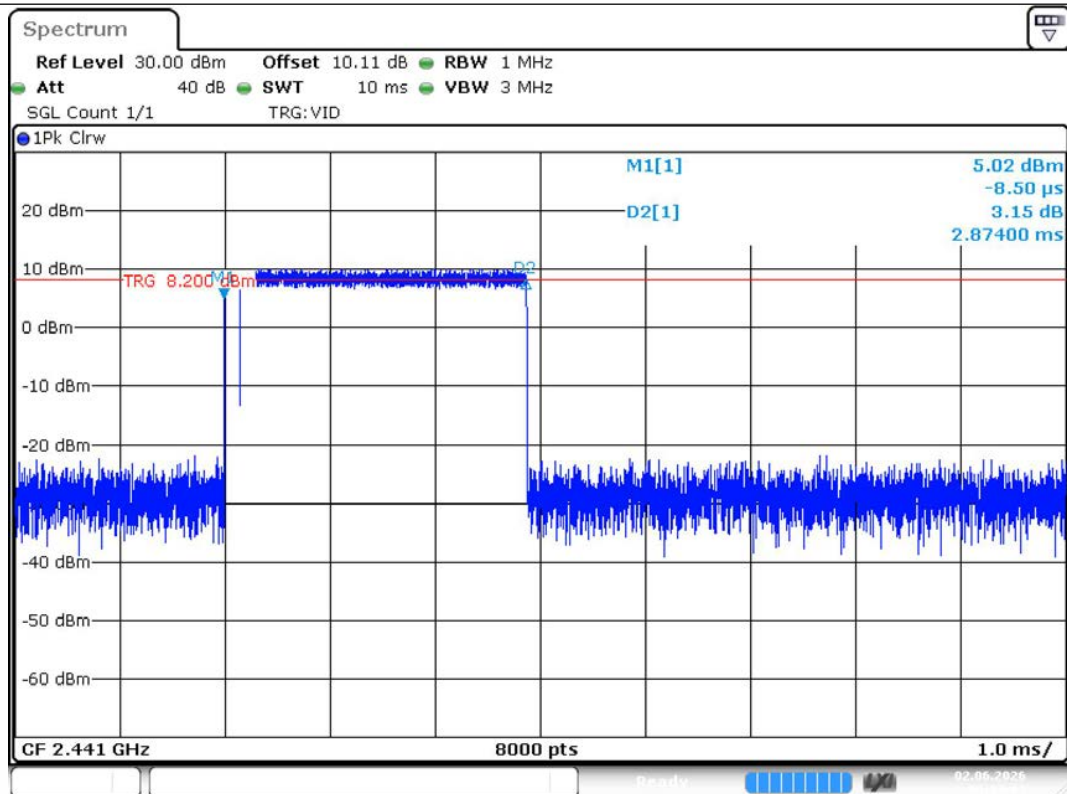


Date: 2.JUN.2026 09:40:37

## 3DH3-Ant1-Hop-PASS

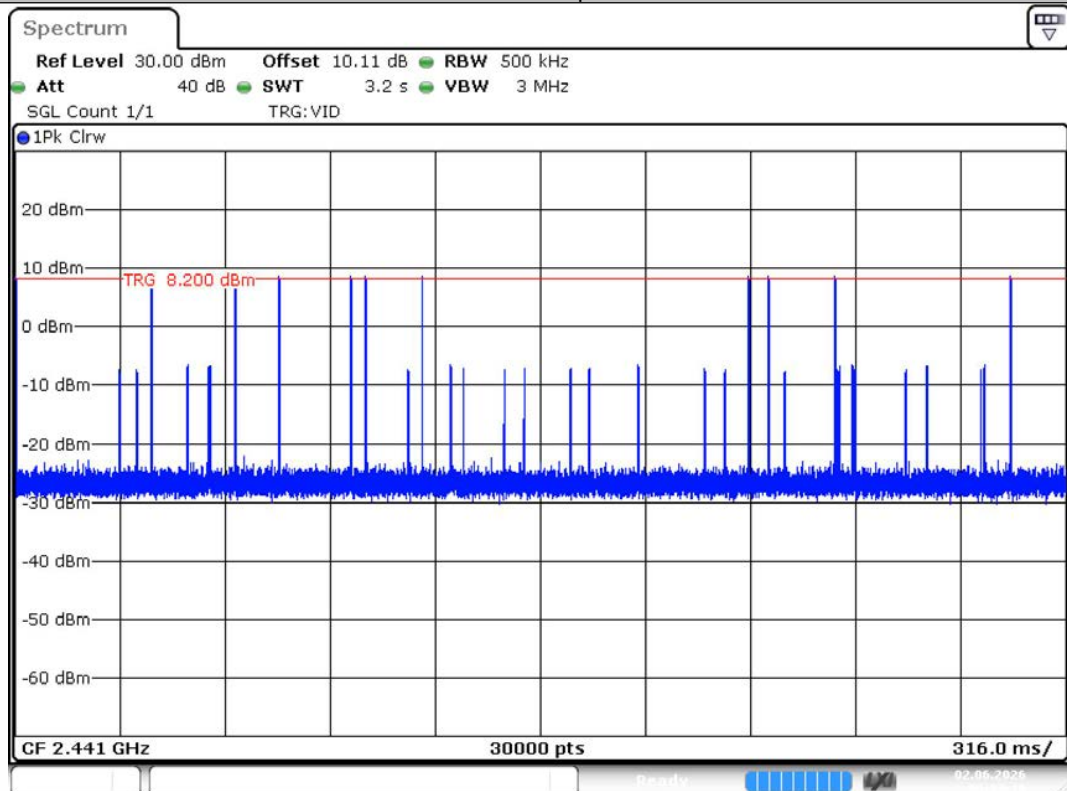


Date: 2.JUN.2026 09:40:55



Date: 2.JUN.2026 09:39:01

## 3DH5-Ant1-Hop-PASS



Date: 2.JUN.2026 09:39:19

## 9.5 MAXIMUM PEAK CONDUCTED OUTPUT POWER

### 9.5.1 Applicable Standard

According to FCC Part 15.247(b)(1) and KDB 558074 D01 15.247 MEAS GUIDANCE v05r02  
According to IC RSS-247 and RSS-Gen

### 9.5.2 Conformance Limit

The max For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

### 9.5.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

### 9.5.4 Test Procedure

As an alternative to a peak power measurement, compliance with the limit can be based on a measurement of the maximum conducted output power.

Use the following spectrum analyzer settings:

Set Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel(about 8MHz)

Set RBW > the 20 dB bandwidth of the emission being measured(about 3MHz)

Set VBW  $\geq$  RBW

Set Sweep = auto

Set Detector function = peak

Set Trace = max hold

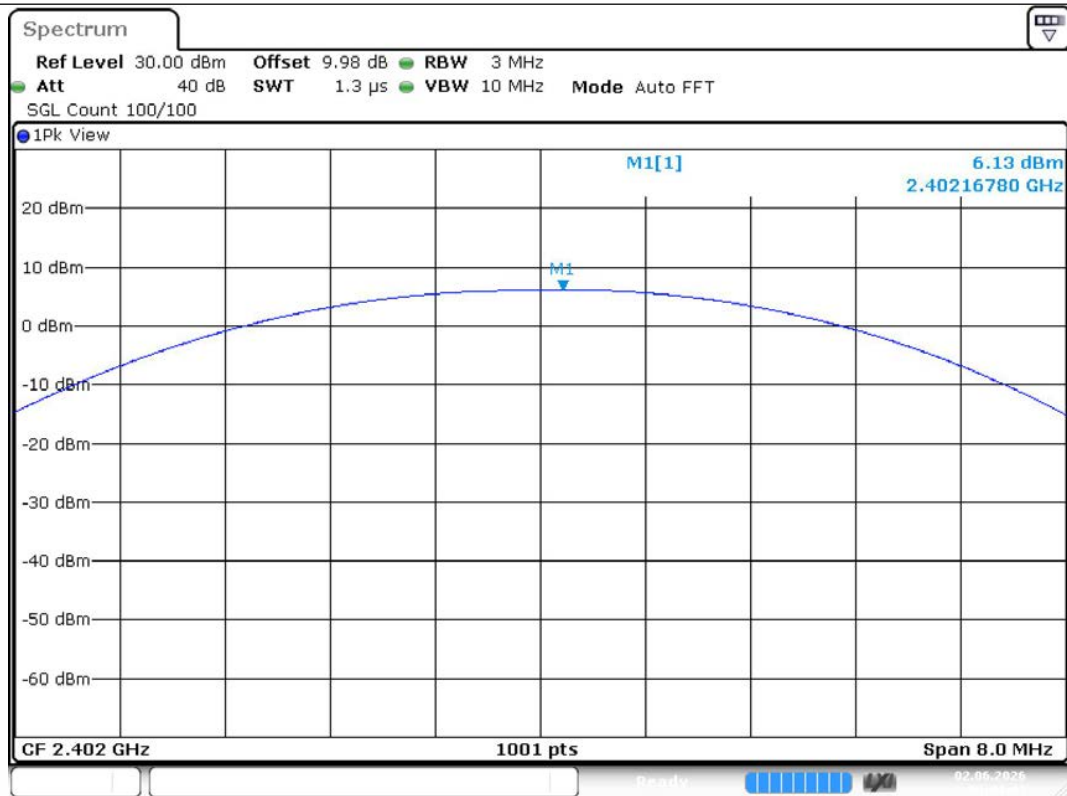
Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission to determine the peak amplitude level.

### Test Results

|                    |           |
|--------------------|-----------|
| Temperature:       | 25.4° C   |
| Relative Humidity: | 48%       |
| ATM Pressure:      | 1011 mbar |

Note: N/A

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | 6.13                      | $\leq 30$            | PASS    |
| DH5       | Ant1    | 2441           | 6.03                      | $\leq 30$            | PASS    |
| DH5       | Ant1    | 2480           | 4.56                      | $\leq 30$            | PASS    |
| 2DH5      | Ant1    | 2402           | 6.53                      | $\leq 30$            | PASS    |
| 2DH5      | Ant1    | 2441           | 7.33                      | $\leq 30$            | PASS    |
| 2DH5      | Ant1    | 2480           | 5.70                      | $\leq 30$            | PASS    |
| 3DH5      | Ant1    | 2402           | 7.31                      | $\leq 20.97$         | PASS    |
| 3DH5      | Ant1    | 2441           | 7.33                      | $\leq 20.97$         | PASS    |
| 3DH5      | Ant1    | 2480           | 6.27                      | $\leq 20.97$         | PASS    |



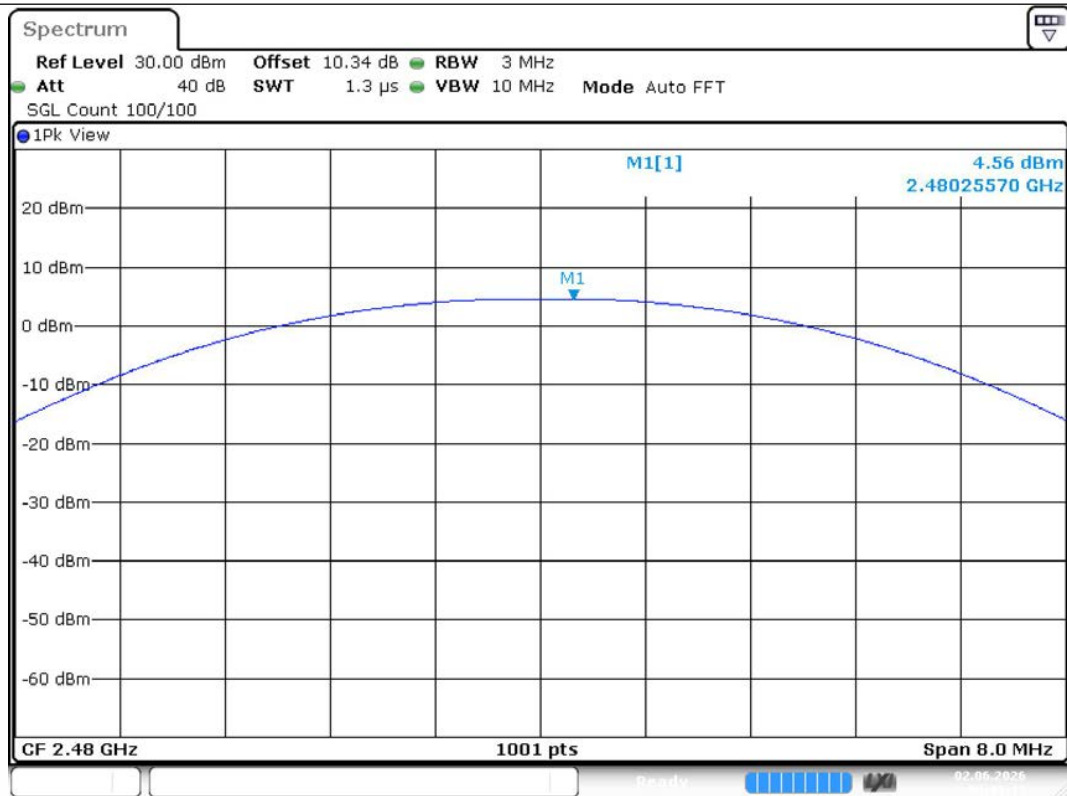
Date: 2.JUN.2026 09:44:41

## DH5-Ant1-2402-PASS



Date: 2.JUN.2026 09:44:58

## DH5-Ant1-2441-PASS



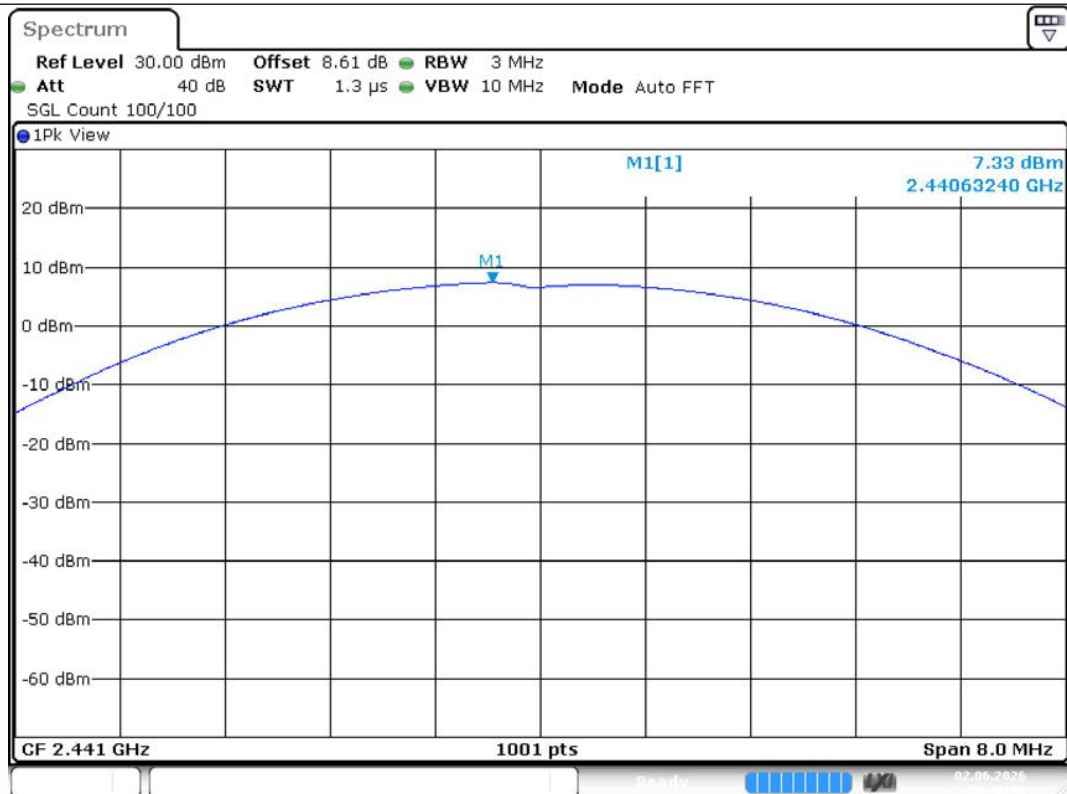
Date: 2.JUN.2026 09:45:12

## DH5-Ant1-2480-PASS



Date: 2.JUN.2026 09:46:27

## 2DH5-Ant1-2402-PASS



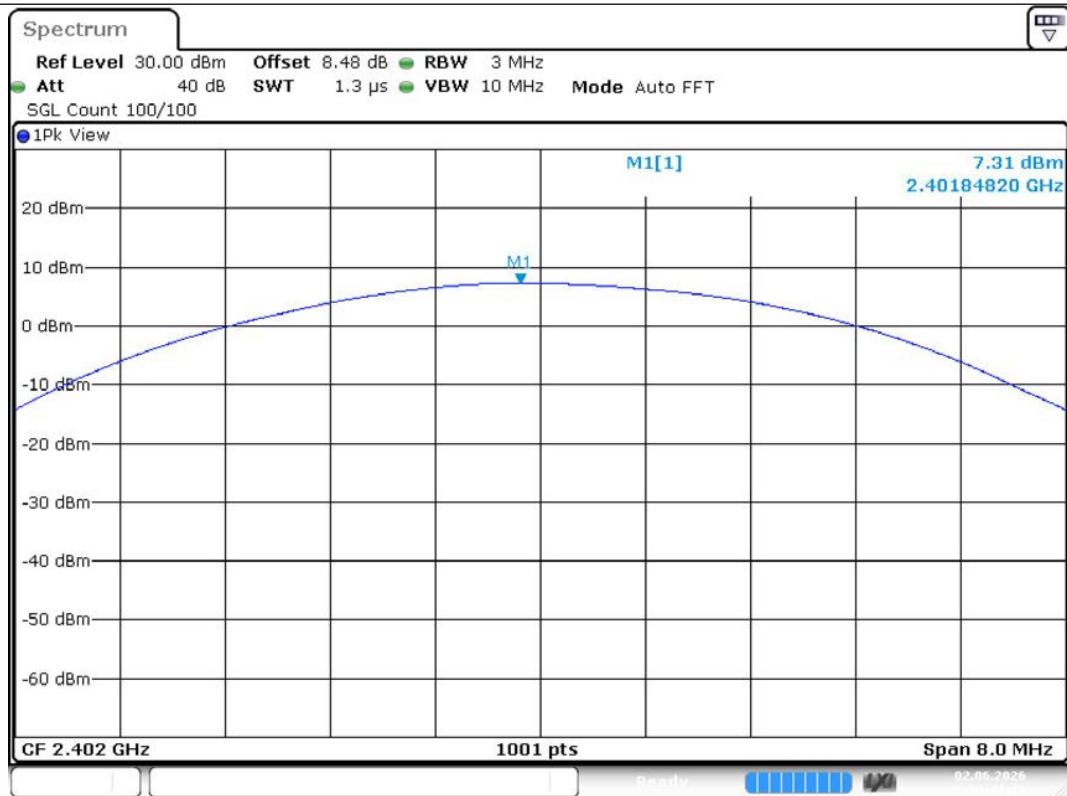
Date: 2.JUN.2026 09:46:46

## 2DH5-Ant1-2441-PASS



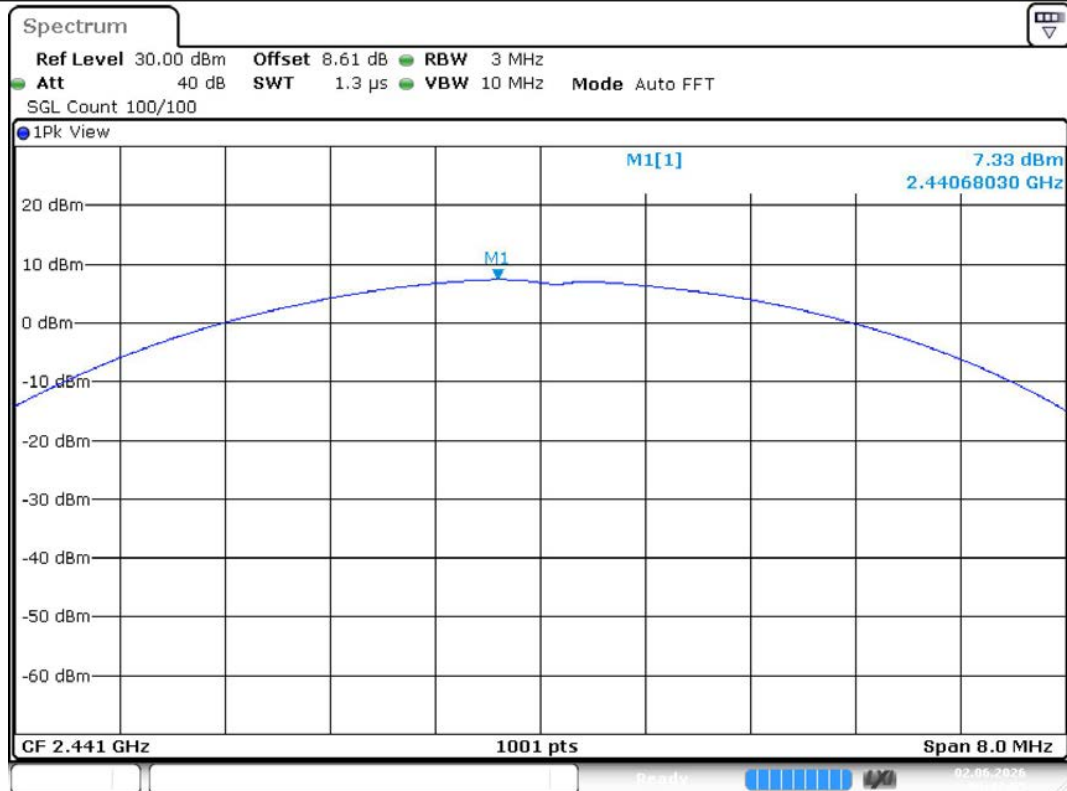
Date: 2.JUN.2026 09:47:15

## 2DH5-Ant1-2480-PASS



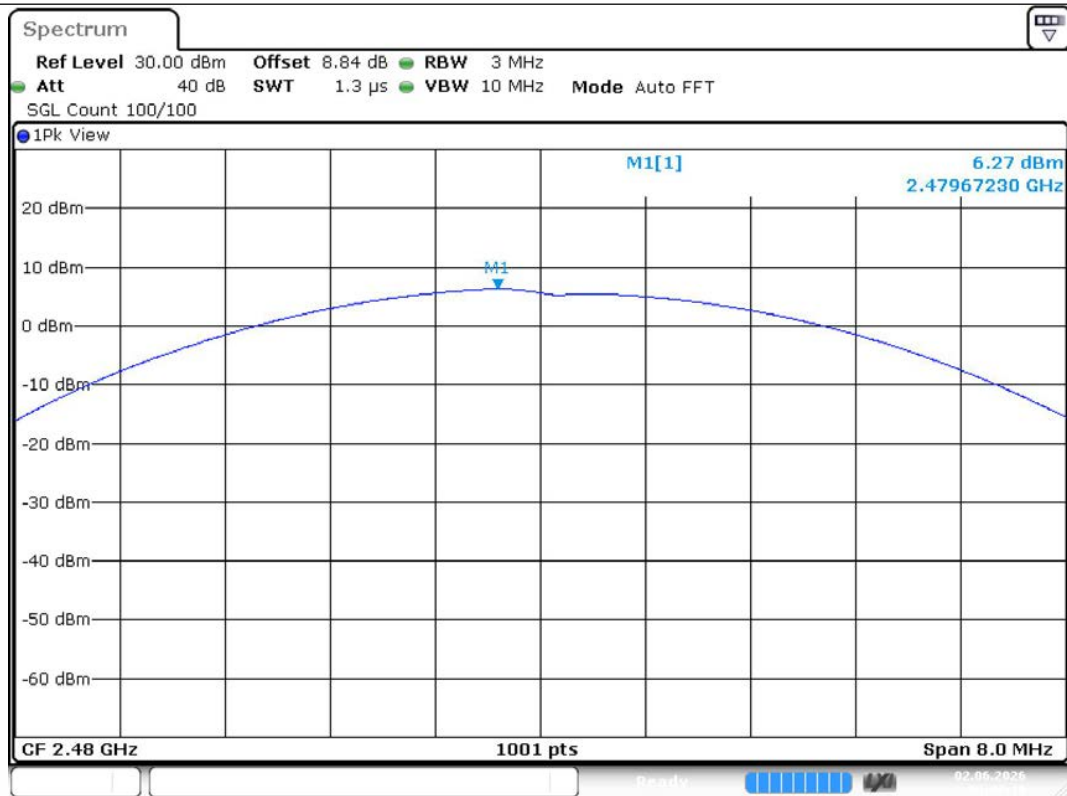
Date: 2.JUN.2026 09:47:37

## 3DH5-Ant1-2402-PASS



Date: 2.JUN.2026 09:47:54

## 3DH5-Ant1-2441-PASS



Date: 2 JUN 2026 09:48:10

3DH5-Ant1-2480-PASS

## 9.6 CONDUCTED SUPRIIOUS EMISSION

### 9.6.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 MEAS GUIDANCE v05r02  
According to IC RSS-247

### 9.6.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted, provided the transmitter demonstrates compliance with the peak conducted power limits.

### 9.6.3 Test Configuration

Test according to clause 7.1 radio frequency test setup 1

### 9.6.4 Test Procedure

The transmitter output (antenna port) was connected to the spectrum analyzer

#### ■ Reference level measurement

Establish a reference level by using the following procedure:

Set instrument center frequency to DSS channel center frequency.

Set Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel.

Set the RBW = 100 kHz. Set the VBW  $\geq 3 \times$  RBW.

Set Detector = peak. Set Sweep time = auto couple.

Set Trace mode = max hold. Allow trace to fully stabilize.

Use the peak marker function to determine the maximum Maximumconducetedlevel.

Note that the channel found to contain the maximum conduceted level can be used to establish the reference level.

#### ■ Band-edge measurement

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the emission operating on the channel closest to the band-edge, as well as any modulation products which fall outside of the authorized band of operation

Set RBW  $\geq 1\%$  of the span=100kHzSet VBW  $\geq 3 \times$  RBW

Set Sweep = autoSet Detector function = peakSet Trace = max hold

Allow the trace to stabilize. Set the marker on the emission at the bandedge, or on the highest modulation product outside of the band, if this level is greater than that at the bandedge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission. The marker-delta value now displayed must comply with the limit specified in this Section.

Now, using the same instrument settings, enable the hopping function of the EUT. Allow the trace to stabilize. Follow the same procedure listed above to determine if any spurious emissions caused by the hopping function also comply with the specified limit.

#### ■ Emission level measurement

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic.(30MHz to 25GHz).Set RBW = 100 kHzSet VBW  $\geq$  RBW

Set Sweep = autoSet Detector function = peakSet Trace = max hold

Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this Section.

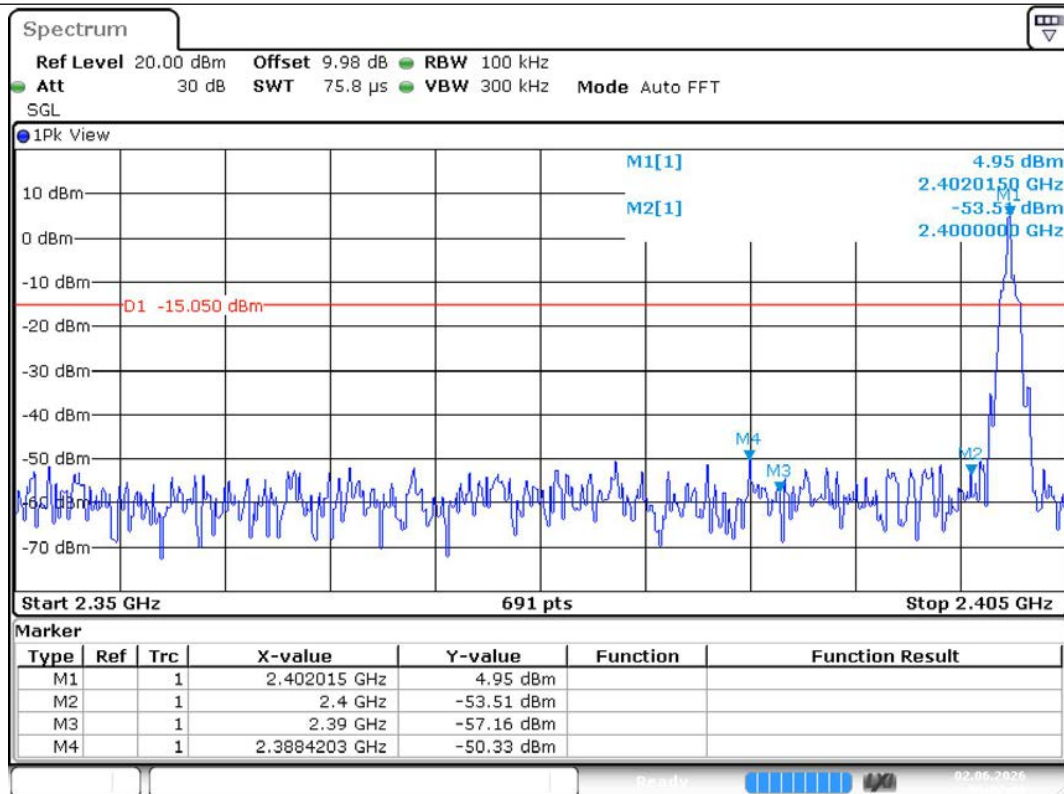
### 9.6.5 Test Results

|                    |           |
|--------------------|-----------|
| Temperature:       | 25.4° C   |
| Relative Humidity: | 48%       |
| ATM Pressure:      | 1011 mbar |

Note: N/A

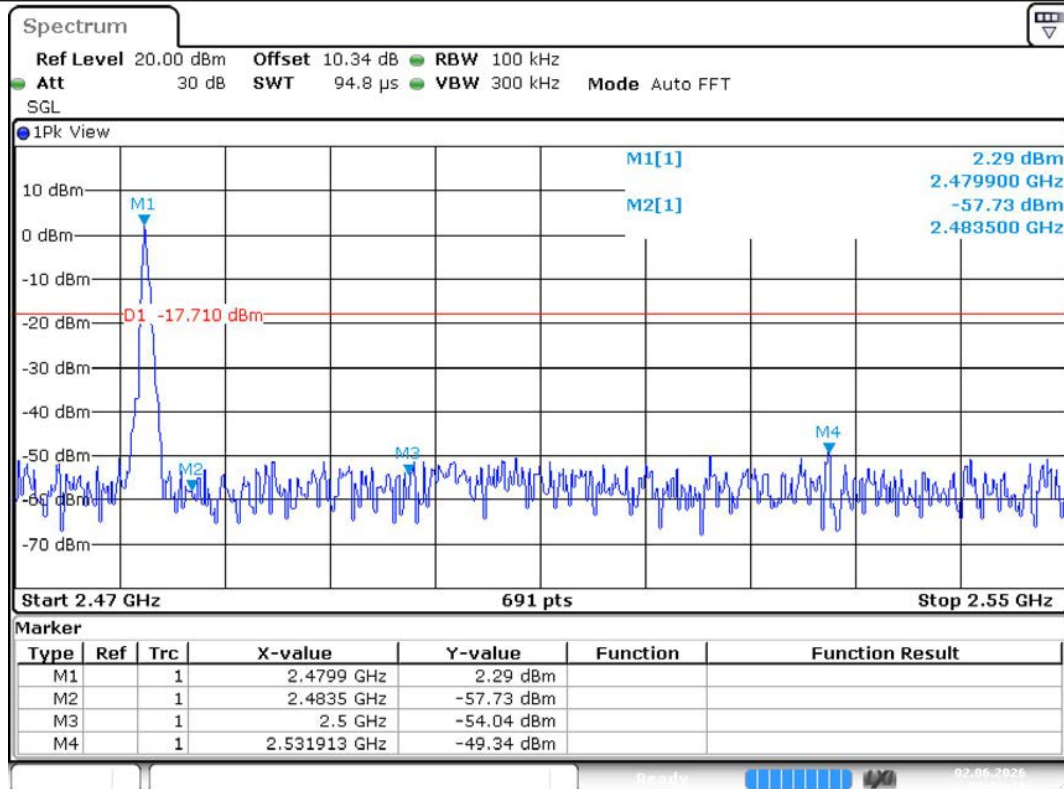
#### Band edge measurements

| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402           | 4.95           | -50.33       | ≤-15.05     | PASS    |
| DH5      | Ant1    | High   | 2480           | 2.29           | -49.34       | ≤-17.71     | PASS    |
| DH5      | Ant1    | Low    | Hop_2402       | 3.57           | -49.24       | ≤-16.43     | PASS    |
| DH5      | Ant1    | High   | Hop_2480       | 1.69           | -46.98       | ≤-18.31     | PASS    |
| 2DH5     | Ant1    | Low    | 2402           | 2.33           | -50.6        | ≤-17.67     | PASS    |
| 2DH5     | Ant1    | High   | 2480           | 1.68           | -48.43       | ≤-18.32     | PASS    |
| 2DH5     | Ant1    | Low    | Hop_2402       | 3.95           | -49.69       | ≤-16.05     | PASS    |
| 2DH5     | Ant1    | High   | Hop_2480       | 1.29           | -47.85       | ≤-18.71     | PASS    |
| 3DH5     | Ant1    | Low    | 2402           | -0.10          | -48.52       | ≤-20.1      | PASS    |
| 3DH5     | Ant1    | High   | 2480           | -1.78          | -48.17       | ≤-21.78     | PASS    |
| 3DH5     | Ant1    | Low    | Hop_2402       | 1.64           | -49.17       | ≤-18.36     | PASS    |
| 3DH5     | Ant1    | High   | Hop_2480       | 1.08           | -49.04       | ≤-18.92     | PASS    |



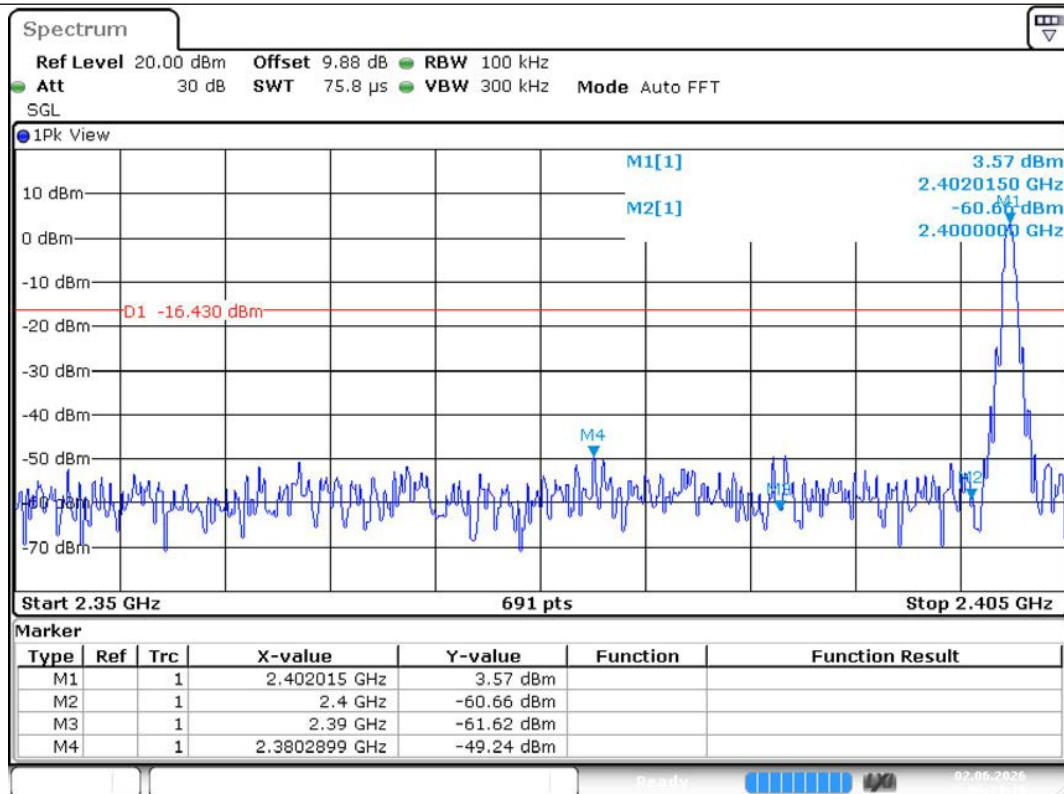
Date: 2.JUN.2026 09:02:50

## DH5-Ant1-2402-PASS



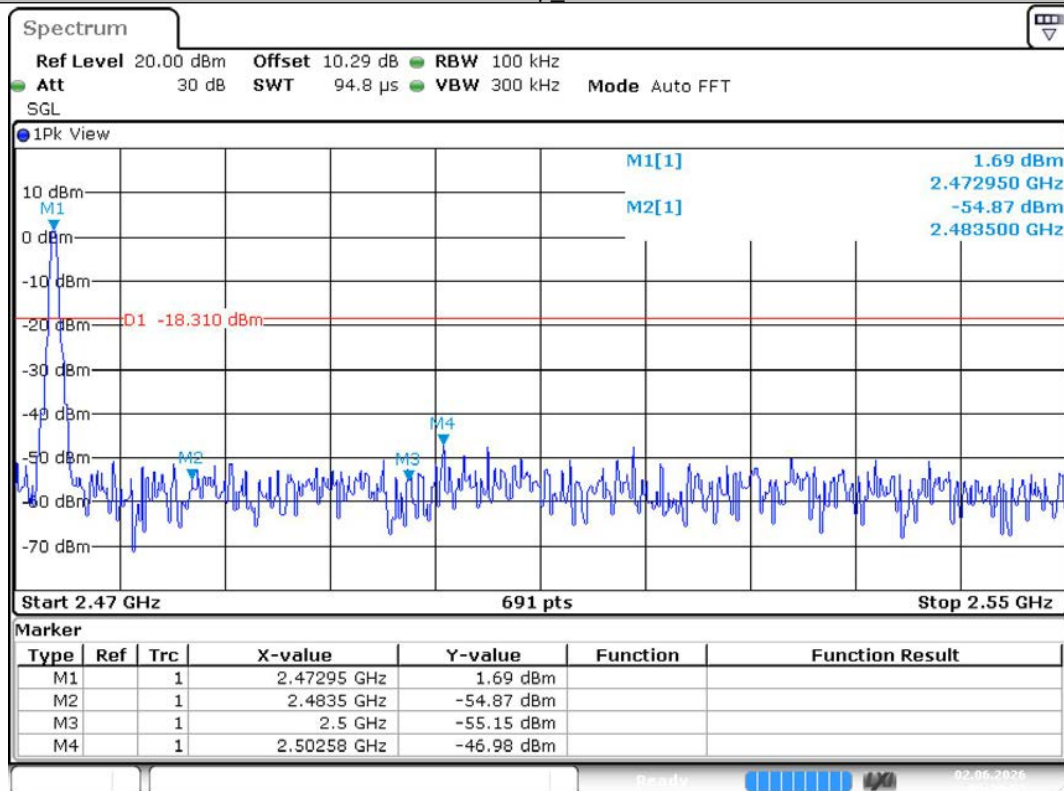
Date: 2.JUN.2026 09:08:10

## DH5-Ant1-2480-PASS



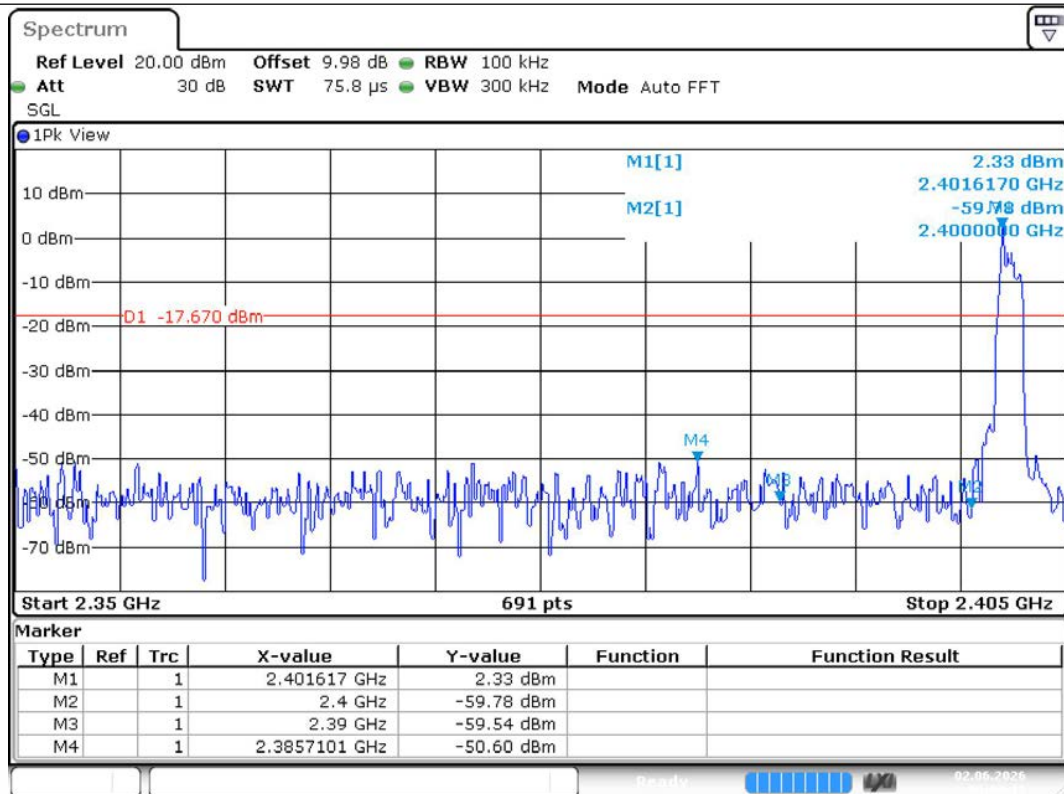
Date: 2.JUN.2026 09:23:19

## DH5-Ant1-Hop\_2402-PASS



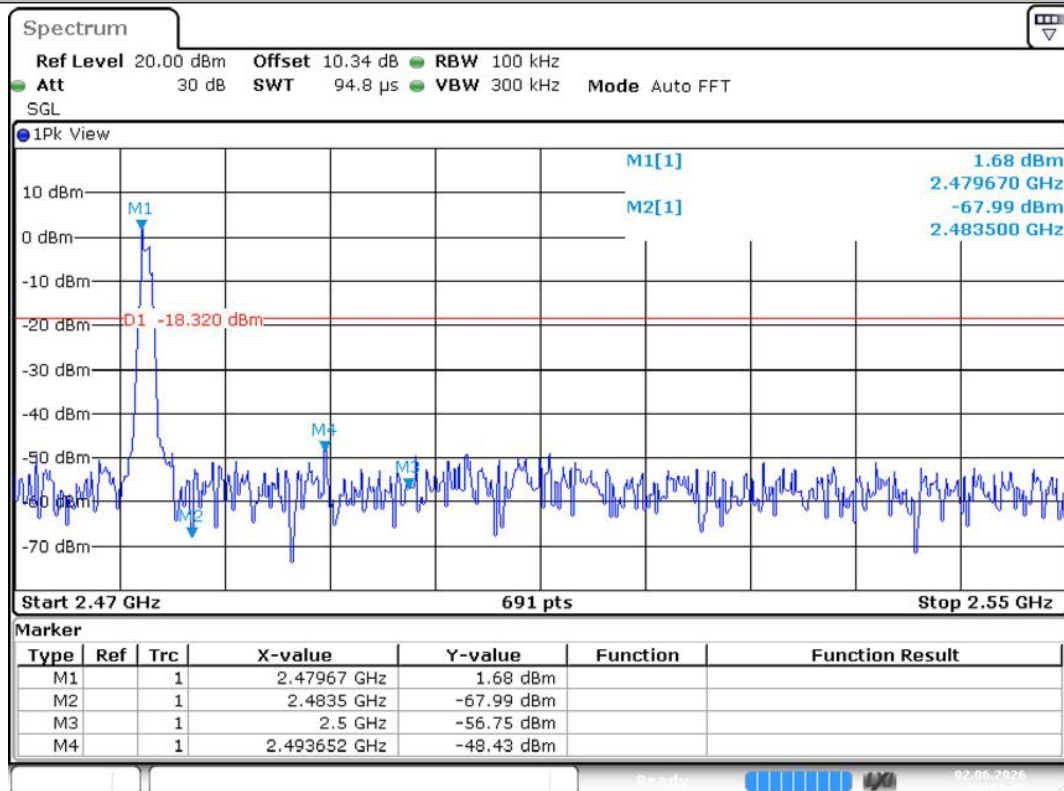
Date: 2.JUN.2026 09:29:50

## DH5-Ant1-Hop\_2480-PASS



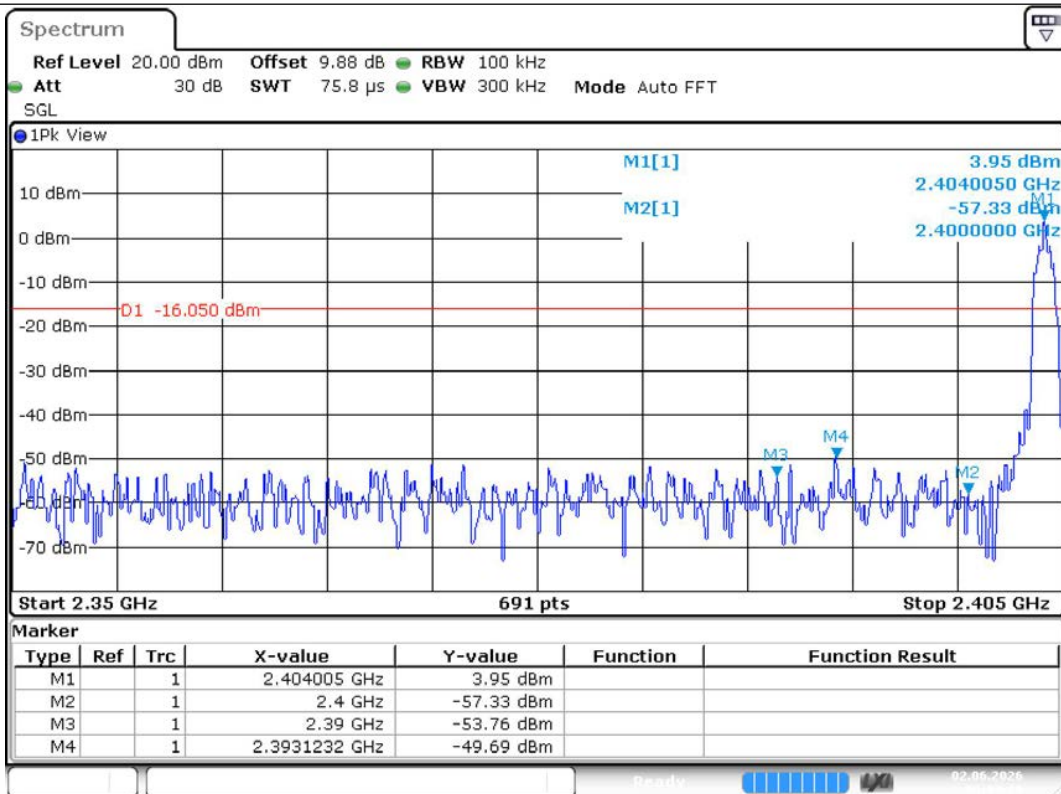
Date: 2.JUN.2026 09:09:39

## 2DH5-Ant1-2402-PASS



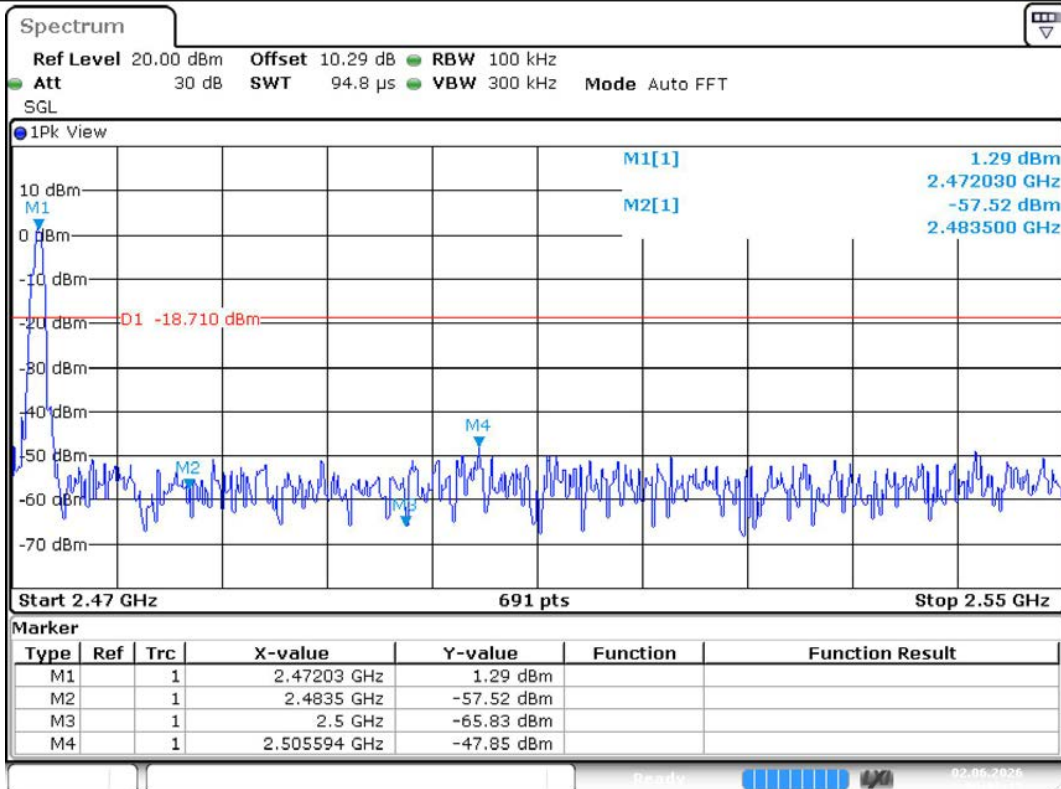
Date: 2.JUN.2026 09:12:44

## 2DH5-Ant1-2480-PASS



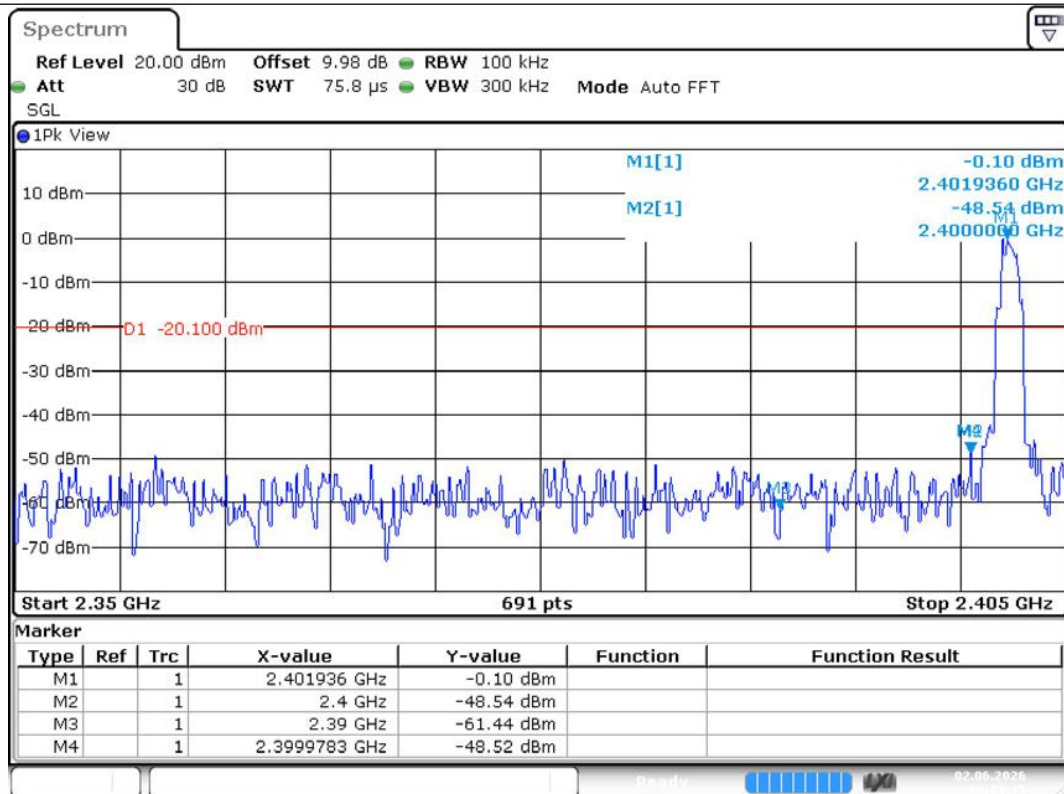
Date: 2.JUN.2026 09:30:20

## 2DH5-Ant1-Hop\_2402-PASS



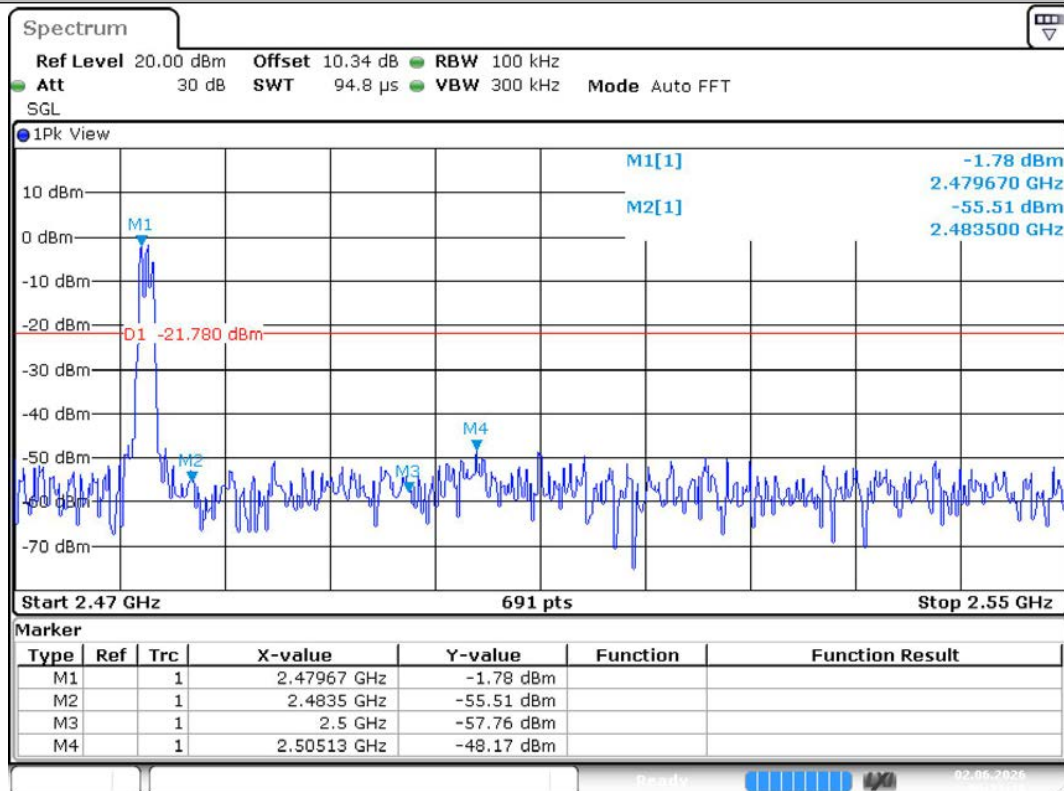
Date: 2.JUN.2026 09:36:13

## 2DH5-Ant1-Hop\_2480-PASS



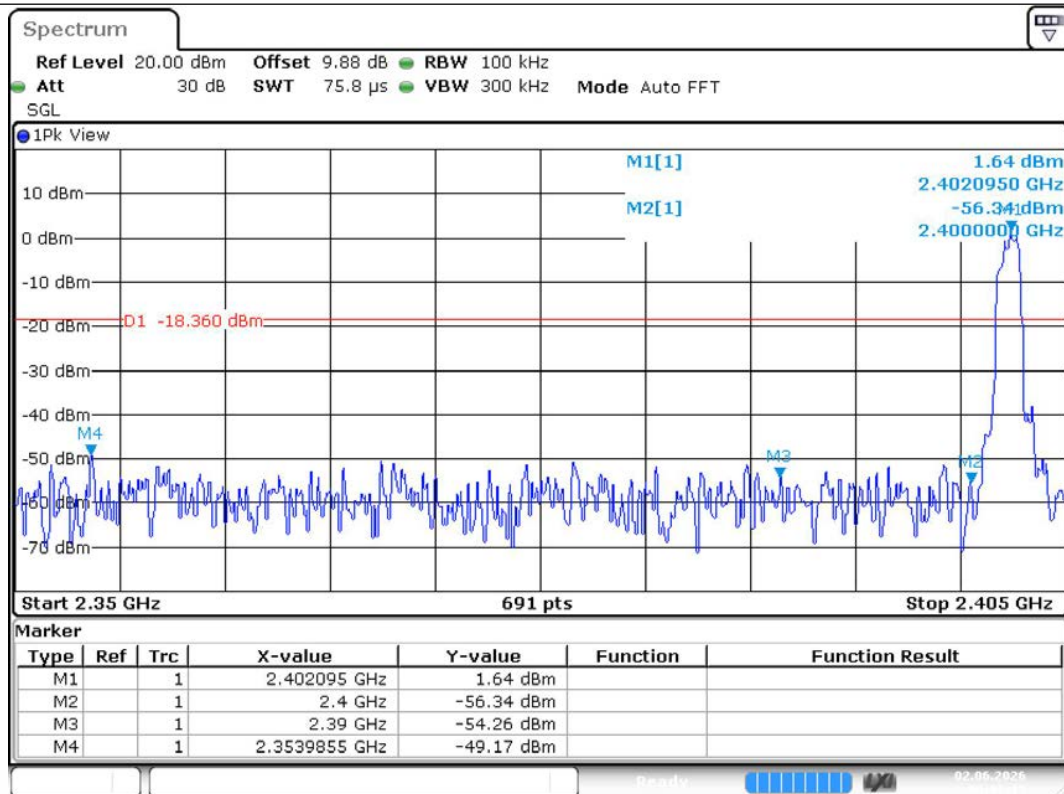
Date: 2.JUN.2026 09:15:15

## 3DH5-Ant1-2402-PASS



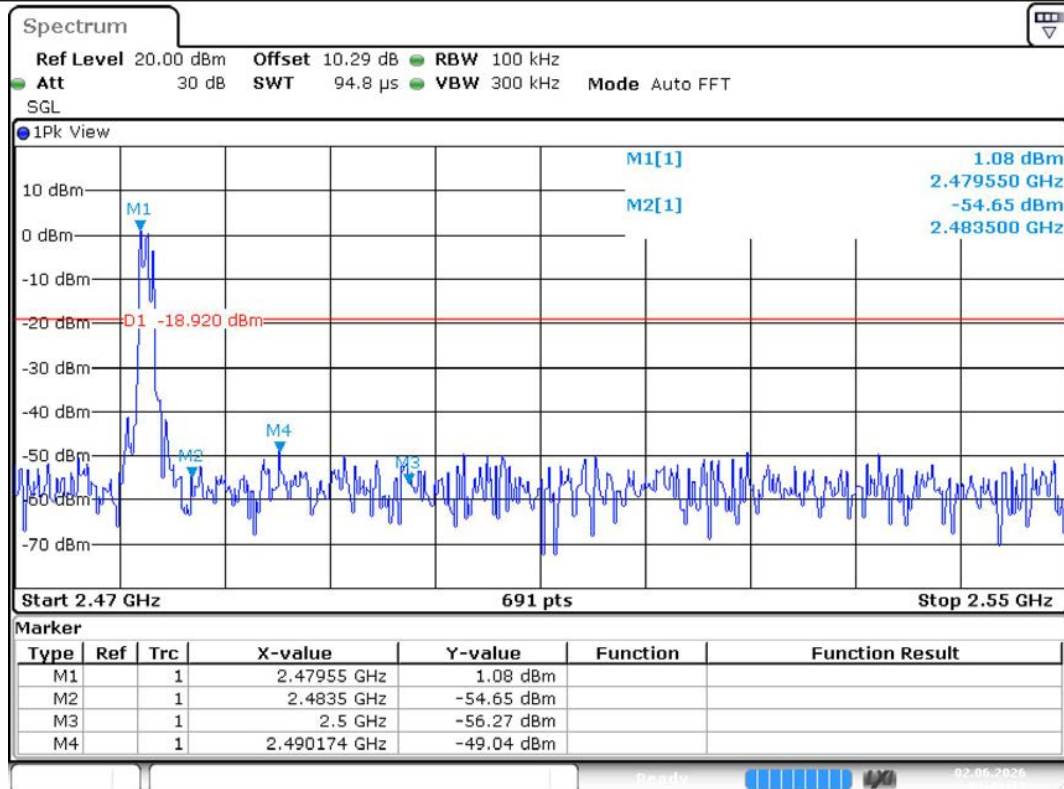
Date: 2.JUN.2026 09:21:18

## 3DH5-Ant1-2480-PASS



Date: 2.JUN.2026 09:36:33

## 3DH5-Ant1-Hop\_2402-PASS



Date: 2.JUN.2026 09:41:34

## 3DH5-Ant1-Hop\_2480-PASS