



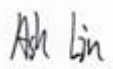
**FCC PART 15.247**  
**RSS-GEN ISSUE 5, FEBRUARY 2021 AMENDMENT2**  
**RSS-247 ISSUE 3, AUGUST 2023**  
**TEST REPORT**

For

**FCC: FUJIAN YESOUL HEALTH TECHNOLOGY CO.,LTD**  
RM-B616, BLDG., NO.1, STRAIT ECONOMIC AND TRADE PLAZA, FUZHOU FREE TRADE ZONE,  
FUZHOU, FUJIAN, China

**IC: Fujian YESOUL Health Technology Co., Ltd.**  
Rm-B616, Bldg., No.1, Strait Economic and Trade Plaza, Fuzhou Free Trade Zone Fuzhou 350000 China

**FCC ID: 2A3YB-YS-TT1MPLUS**  
**IC: 30451-YSTT1MPLUS**

|                                        |                                                                                                                                                                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Type:</b><br>Original Report | <b>Product Name:</b><br>YESOUL TREADMILL                                                                                                                                                                                                                                       |
| <b>Report Number:</b>                  | 2407X35401E-RF-02                                                                                                                                                                                                                                                              |
| <b>Report Date:</b>                    | 2025-06-11                                                                                                                                                                                                                                                                     |
| <b>Reviewed By:</b>                    | Ash Lin                                                                                                                                                                                     |
| <b>Approved By:</b>                    | Miles Chen                                                                                                                                                                                 |
| <b>Prepared By:</b>                    | Bay Area Compliance Laboratories Corp. (Xiamen)<br>Unit 102, No. 902 Meifeng South Road, Binhai West Avenue,<br>Science and Technology Innovation Park, Torch High tech<br>Zone XiaMen<br>Tel: +86-592-3200111<br><a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a> |

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REPORT REVISION HISTORY

| Number of Revisions | Report No.        | Version | Issue Date | Description     |
|---------------------|-------------------|---------|------------|-----------------|
| 0                   | 2407X35401E-RF-02 | R1V1    | 2025-06-11 | Initial Release |

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

|                                                                                                                                                                                                                                                                                         |                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Applicant:                                                                                                                                                                                                                                                                              | FCC: FUJIAN YESOUL HEALTH TECHNOLOGY CO.,LTD<br>IC: Fujian YESOUL Health Technology Co., Ltd. |
| Product Name:                                                                                                                                                                                                                                                                           | YESOUL TREADMILL                                                                              |
| Tested Model:                                                                                                                                                                                                                                                                           | YS-TT1MPLUS                                                                                   |
| HVIN:                                                                                                                                                                                                                                                                                   | YS-TT1MPLUS                                                                                   |
| Power Supply:                                                                                                                                                                                                                                                                           | AC 100-240V, 50/60Hz                                                                          |
| Maximum Peak Output Power<br>(Conducted):                                                                                                                                                                                                                                               | 5.78 dBm                                                                                      |
| RF Function:                                                                                                                                                                                                                                                                            | Classic BT                                                                                    |
| Operating Band/Frequency:                                                                                                                                                                                                                                                               | 2402-2480 MHz                                                                                 |
| Channel Number:                                                                                                                                                                                                                                                                         | 79                                                                                            |
| Channel Separation:                                                                                                                                                                                                                                                                     | 1 MHz                                                                                         |
| Modulation Type:                                                                                                                                                                                                                                                                        | GFSK, $\pi/4$ -DQPSK, 8DPSK                                                                   |
| Antenna Type:                                                                                                                                                                                                                                                                           | PCB Antenna                                                                                   |
| ★Maximum Antenna Gain:                                                                                                                                                                                                                                                                  | 3.71dBi                                                                                       |
| EUT Received Status:                                                                                                                                                                                                                                                                    | Good                                                                                          |
| <i>Note:</i><br>1. The Maximum Antenna Gain was declared by manufacturer.<br>2. All measurement and test data in this report was gathered from production sample serial number:<br>2RG3-2 (Assigned by the BACL (Xiamen). The EUT supplied by the applicant was received on 2024-09-09) |                                                                                               |

### Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and KDB 558074 D01 15.247 Meas Guidance v05r02 & RSS-247 Issue 3, August 2023 and RSS-Gen, Issue 5, February 2021 Amendment 2 of the Innovation, Science and Economic Development Canada.

### Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone Xiamen.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the IC accredited lab under the KDB 974614 D01, the IC Designation No. : CN0176.

**Measurement Uncertainty**

| Item                               |               | U <sub>lab</sub> |
|------------------------------------|---------------|------------------|
| AC Power Lines Conducted Emissions | 150kHz-30MHz  | 2.33 dB          |
| Radiated emission                  | 9kHz-150kHz   | 2.82dB           |
|                                    | 150kHz-30MHz  | 2.74dB           |
|                                    | 30MHz~200MHz  | 3.47 dB          |
|                                    | 200MHz~1GHz   | 4.86 dB          |
|                                    | 1GHz~6GHz     | 4.6 dB           |
|                                    | 6GHz~18GHz    | 5.42 dB          |
|                                    | 18GHz~26.5GHz | 5.37 dB          |
| Occupied Bandwidth                 |               | 0.053 kHz        |
| Transmitter Conducted Power        |               | 0.624 dB         |
| Conducted Spurious Emission        |               | 2.52 dB          |
| Temperature                        |               | 1 °C             |
| Humidity                           |               | 5 %              |
| Supply voltages                    |               | 1 %              |

*Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.*

## SYSTEM TEST CONFIGURATION

### Test Mode and Voltage

| The system was configured for testing in a typical mode (as normally used by a typical user). |                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test mode:</b>                                                                             | Test mode 1: Transmitting                                                                                                                                          |
| <b>Test voltage:</b>                                                                          | Test mode 1: AC 120V/60Hz                                                                                                                                          |
| <b>Remark:</b>                                                                                | During all emission tests, the EUT was configured to measure its highest possible emission level and the worst case's test data was presented in this test report. |

### Description of Test Configuration

Channel list:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 0       | 2402            | 40      | 2442            |
| 1       | 2403            | ...     | ...             |
| ...     | ...             | ...     | ...             |
| ...     | ...             | 78      | 2480            |
| 39      | 2441            | /       | /               |

EUT was tested with Channel 0, 39 and 78.

### ★EUT Exercise Software

RF Test Tool: EspRFTTestTool\_v3.6\_Manual.exe

| Test Modes     | Power Level Setting |                |                 |
|----------------|---------------------|----------------|-----------------|
|                | Lowest Channel      | Middle Channel | Highest Channel |
| GFSK           | 4                   | 4              | 4               |
| $\pi/4$ -DQPSK | 4                   | 4              | 4               |
| 8DPSK          | 4                   | 4              | 4               |

Note: The power level was declared by the applicant.

### Special Accessories

No special accessory.

### Equipment Modifications

No modification was made to the EUT tested.

**Support Equipment List and Details**

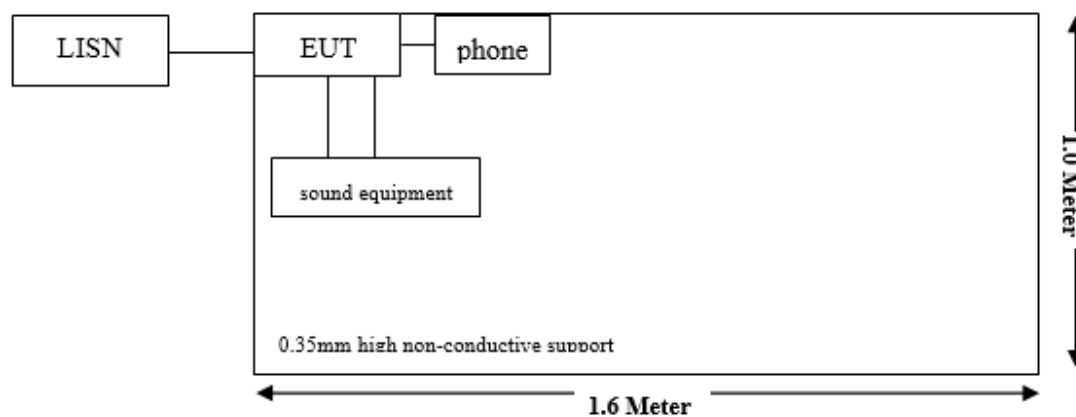
| Manufacturer | Description     | Model              | Serial Number |
|--------------|-----------------|--------------------|---------------|
| Apple        | phone           | MLDU3CH/A          | KY4D4MP4YC    |
| YESOUL       | sound equipment | BT-2020:06.26.0012 | Unknown       |

**External I/O Cable**

| Cable Description | Length (m) | From Port       | To  |
|-------------------|------------|-----------------|-----|
| USB Cable         | 1          | phone           | EUT |
| 3.5mm audio cable | 0.5        | sound equipment | EUT |
| USB Cable         | 0.5        | sound equipment | EUT |

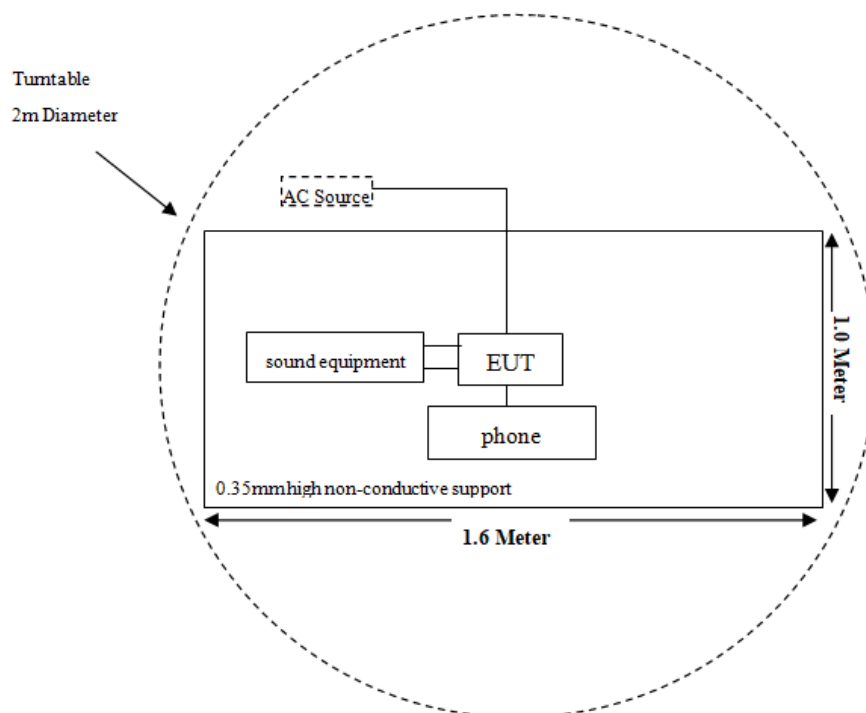
**Block Diagram of Test Setup**

Conducted Emission:

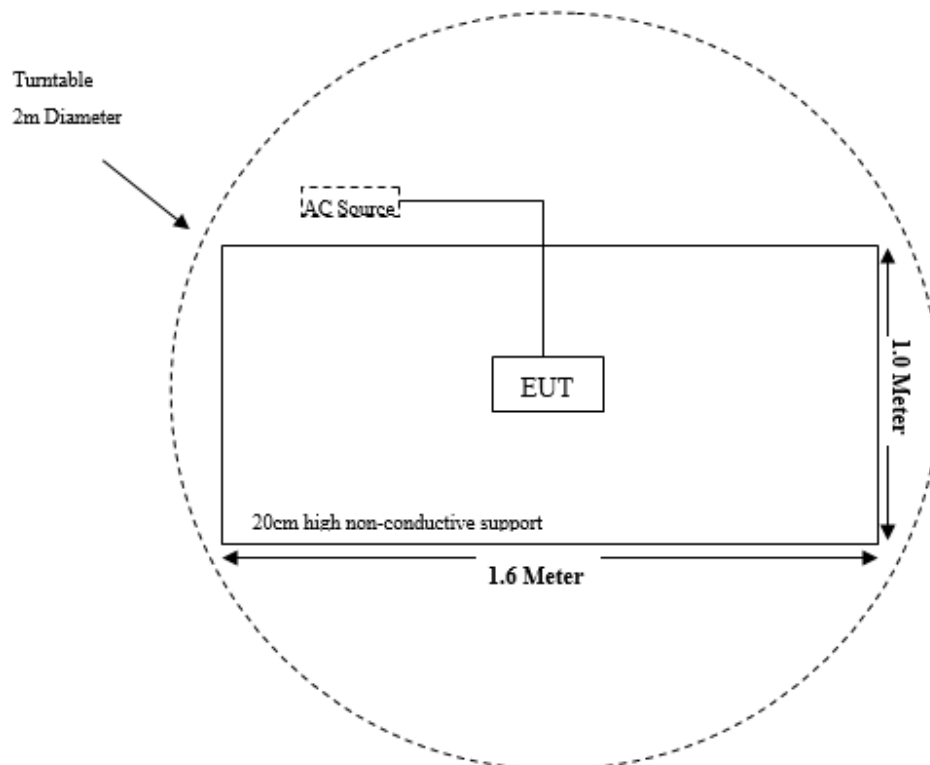


# Radiated Emission:

Below 1GHz:

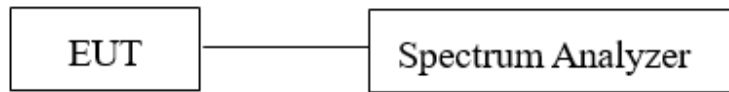


Above 1GHz:



Note: Antenna is 1.5m above ground.

## RF Conduction:



Note: The cable assembly insertion loss of 0.5dB was entered as an offset in the spectrum analyzer. (Actual cable loss was unavailable at the time of testing, therefore loss of 0.5dB was assumed as worst case.) This was later verified to be true by laboratory.

**SUMMARY OF TEST RESULTS**

| Standard(s)/Rule(s)                                     | Description of Test                             | Result    |
|---------------------------------------------------------|-------------------------------------------------|-----------|
| FCC§15.203<br>RSS-Gen Clause 6.8                        | Antenna Requirement                             | Compliant |
| FCC§15.207(a)<br>RSS-Gen Clause 8.8                     | AC Line Conducted Emissions                     | Compliant |
| FCC§15.205, §15.209 & §15.247(d)<br>RSS-Gen Clause 8.10 | Radiated Emissions & Restricted Bands Emissions | Compliant |
| FCC§15.247(a)(1)<br>RSS-247 Clause 5.1 b)               | 20 dB Emission Bandwidth                        | Compliant |
| RSS-Gen Clause 6.7                                      | 99% Occupied Bandwidth                          | Compliant |
| FCC§15.247(a)(1)<br>RSS-247 Clause 5.1 b)               | Channel Separation Test                         | Compliant |
| FCC§15.247(a)(1)(iii)<br>RSS-247 Clause 5.1 d)          | Time of Occupancy (Dwell Time)                  | Compliant |
| FCC§15.247(a)(1)(iii)<br>RSS-247 Clause 5.1 d)          | Quantity of hopping channel Test                | Compliant |
| FCC§15.247(b)(1)<br>RSS-247 Clause 5.4 b)               | Peak Output Power Measurement                   | Compliant |
| FCC§15.247(d)<br>RSS-247 Clause 5.5                     | Band edges                                      | Compliant |

**TEST EQUIPMENT LIST**

| Description                          | Manufacturer    | Model          | Serial Number | Calibration Date | Calibration Due Date |
|--------------------------------------|-----------------|----------------|---------------|------------------|----------------------|
| <b>Conducted Emission Test</b>       |                 |                |               |                  |                      |
| EMI Test Receiver                    | Rohde & Schwarz | ESR            | 103105        | 2024/03/29       | 2025/03/28           |
| LISN                                 | Rohde & Schwarz | ENV216         | 100129        | 2024/03/29       | 2025/03/28           |
| Pulse Limiter                        | Rohde & Schwarz | ESH3-Z2        | 0357.8810.54  | 2024/03/29       | 2025/03/28           |
| Coaxial Cable                        | XINHANGWEIBO    | XH400T-N-4M    | CC001         | 2024/03/29       | 2025/03/28           |
| Test Software                        | Audix           | E3             | 18621a        | N/A              | N/A                  |
| <b>Radiated Emissions Below 1GHz</b> |                 |                |               |                  |                      |
| EMI Test Receiver                    | Rohde & Schwarz | ESR            | 103103        | 2025/02/20       | 2026/02/19           |
| Loop Antenna                         | Rohde & Schwarz | HFH2-Z2        | 830749/001    | 2023/07/27       | 2026/07/26           |
| Antenna                              | Sunol Sciences  | JB6            | A122022-5     | 2023/07/27       | 2026/07/26           |
| Amplifier                            | Sonoma          | 310B           | 120903        | 2025/02/20       | 2026/02/19           |
| Coaxial Cable                        | XINHANGWEIBO    | XH400T-N-4M    | CC002         | 2025/02/20       | 2026/02/19           |
| Coaxial Cable                        | XINHANGWEIBO    | XH460B-N-2M    | CC006         | 2025/02/20       | 2026/02/19           |
| Coaxial Cable                        | XINHANGWEIBO    | XH460B-N-12M   | CC007         | 2025/02/20       | 2026/02/19           |
| Coaxial Cable                        | XINHANGWEIBO    | HFH2-CC        | 335.3609      | 2025/02/20       | 2026/02/19           |
| Test Software                        | Audix           | E3             | 18621a        | N/A              | N/A                  |
| <b>Radiated Emission Above 1 GHz</b> |                 |                |               |                  |                      |
| Spectrum Analyzer                    | Rohde & Schwarz | FSV40-N        | 102051        | 2025/02/20       | 2026/02/19           |
| Filter Switch Unit                   | Decentest       | DT7220FSU      | DS79904       | 2025/02/21       | 2026/02/20           |
| Multiplex Switch Test Control Set    | Decentest       | DT7220SCU      | DS79901       | 2025/02/21       | 2026/02/20           |
| Horn Antenna                         | EMCO            | 3115           | 9002-3355     | 2024/11/19       | 2027/11/18           |
| Preamplifier                         | GLOBAL          | 1313-A100M18G  | 4121301       | 2025/01/16       | 2026/01/15           |
| Coaxial Cable                        | XINHANGWEIBO    | XH800A-N-6M    | CC003         | 2025/02/20       | 2026/02/19           |
| Coaxial Cable                        | XINHANGWEIBO    | XH800A-N-1M    | CC005         | 2025/02/20       | 2026/02/19           |
| Horn Antenna                         | EMCO            | 3116           | 9407-2232     | 2023/07/31       | 2026/07/30           |
| Preamplifier                         | A.H.Systems     | PAM-1840       | 200           | 2025/02/20       | 2026/02/19           |
| Coaxial Cable                        | XINHANGWEIBO    | XH360A-2.92-3M | CC008         | 2025/02/20       | 2026/02/19           |
| Coaxial Cable                        | XINHANGWEIBO    | XH360A-2.92-1M | CC009         | 2025/02/20       | 2026/02/19           |
| Test Software                        | Audix           | E3             | 18621a        | N/A              | N/A                  |
| <b>RF Conducted Test</b>             |                 |                |               |                  |                      |
| Spectrum Analyzer                    | Rohde & Schwarz | FSV40-N        | 102051        | 2025/02/20       | 2026/02/19           |
| Coaxial Cable                        | Lianxun         | RF113          | N/A           | Each time        | N/A                  |

**Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Xiamen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

## **FCC §15.203 & RSS-Gen Clause 6.8 – ANTENNA REQUIREMENT**

### **Applicable Standard**

According to FCC § 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the 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 6 dBi.

According to RSS-Gen Clause 6.8 The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

### **Antenna Connector Construction**

The EUT has one PCB antenna for Bluetooth, which was permanently attached and the antenna gain is 3.71 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

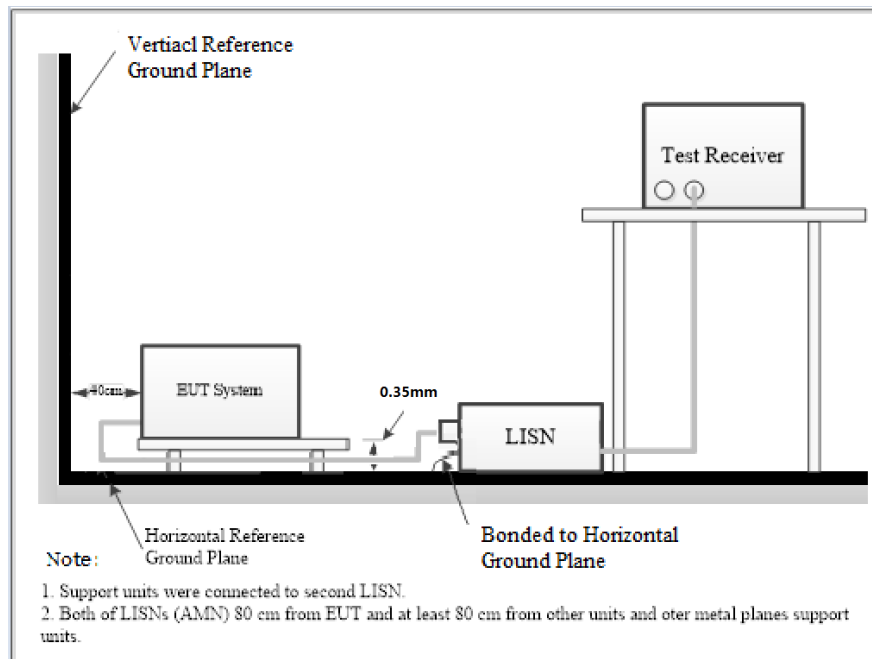
### **Result: Compliance**

## **FCC §15.207 (a) & RSS-Gen Clause 8.8 – AC LINE CONDUCTED EMISSIONS**

### **Applicable Standard**

FCC §15.207(a), RSS-Gen Clause 8.8

### **Test System Setup**



The measurement procedure of EUT setup is according with ANSI C63.10-2013. The related limit was specified in FCC Part 15.207, RSS-Gen limits.

### **EMI Test Receiver Setup**

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | IF B/W |
|------------------|--------|
| 150 kHz – 30 MHz | 9 kHz  |

### **Test Procedure**

ANSI C63.10-2013 clause 6.2

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

### Result & Margin Calculation

The Result is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\begin{aligned}\text{Factor (dB)} &= \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)} \\ \text{Result (dB}\mu\text{V)} &= \text{Reading (dB}\mu\text{V)} + \text{Factor (dB)}\end{aligned}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V)} - \text{Result (dB}\mu\text{V)}$$

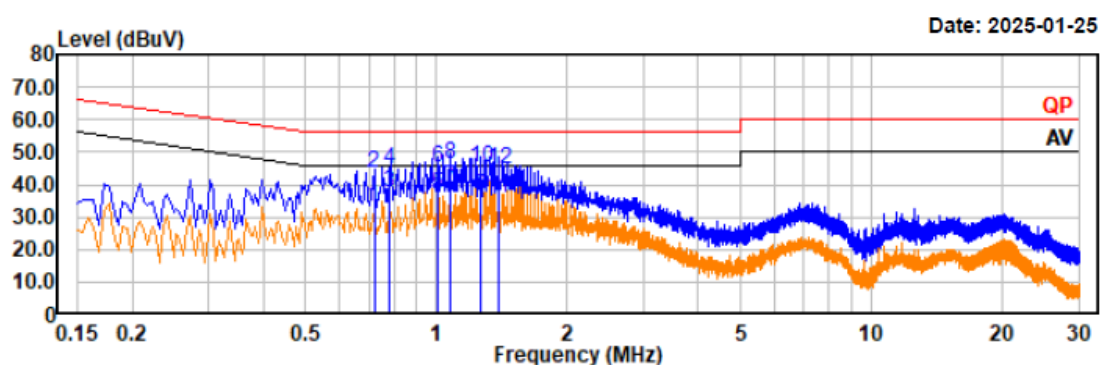
### Test Data

|                    |            |
|--------------------|------------|
| Temperature:       | 21.2°C     |
| Relative Humidity: | 47%        |
| ATM Pressure:      | 100.1kPa   |
| Test Date:         | 2025-01-25 |
| Test Engineer:     | Spike Gao  |

*Note: The maximum output power mode: EDR (8DPSK) middle channel was tested.*

Project No.: 2507X35401E-RF  
Test Mode: 3DH1-2441  
EUT Model: YS-TT1MPLUS

Temp/Humi/ATM: 21.2°C/47%/100.1kPa  
Tested by: Spike Gao  
Power Source: AC 120V/60Hz



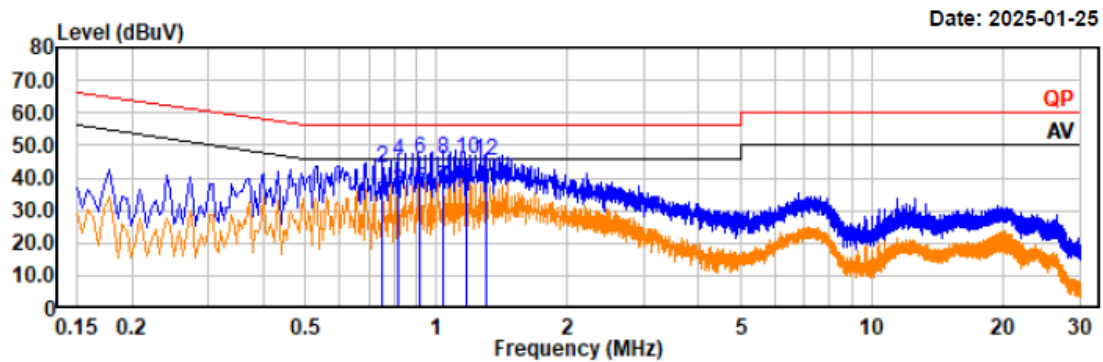
Trace: 1

Condition: IF B/W 9kHz PK/AV

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB | Result<br>dBuV | Limit<br>dBuV | Margin<br>dB | Phase | Remark  |
|-------------|-----------------|--------------|----------------|---------------|--------------|-------|---------|
| 0.72        | 12.82           | 20.53        | 33.35          | 46.00         | 12.65        | Line  | Average |
| 0.72        | 22.81           | 20.53        | 43.34          | 56.00         | 12.66        | Line  | QP      |
| 0.78        | 16.64           | 20.64        | 37.28          | 46.00         | 8.72         | Line  | Average |
| 0.78        | 24.10           | 20.64        | 44.74          | 56.00         | 11.26        | Line  | QP      |
| 1.01        | 16.04           | 20.92        | 36.96          | 46.00         | 9.04         | Line  | Average |
| 1.01        | 24.19           | 20.92        | 45.11          | 56.00         | 10.89        | Line  | QP      |
| 1.07        | 18.09           | 20.94        | 39.03          | 46.00         | 6.97         | Line  | Average |
| 1.07        | 25.57           | 20.94        | 46.51          | 56.00         | 9.49         | Line  | QP      |
| 1.27        | 15.19           | 20.99        | 36.18          | 46.00         | 9.82         | Line  | Average |
| 1.27        | 24.24           | 20.99        | 45.23          | 56.00         | 10.77        | Line  | QP      |
| 1.39        | 15.07           | 21.02        | 36.09          | 46.00         | 9.91         | Line  | Average |
| 1.39        | 23.41           | 21.02        | 44.43          | 56.00         | 11.57        | Line  | QP      |

Project No.: 2507X35401E-RF  
Test Mode: 3DH1-2441  
EUT Model: YS-TT1MPLUS

Temp/Humi/ATM: 21.2°C/47%/100.1kPa  
Tested by: Spike Gao  
Power Source: AC 120V/60Hz



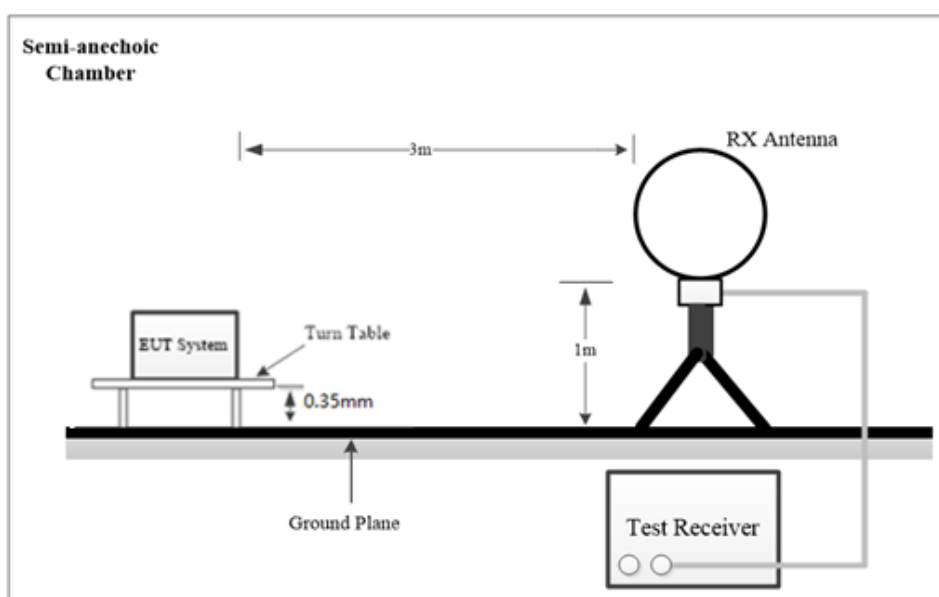
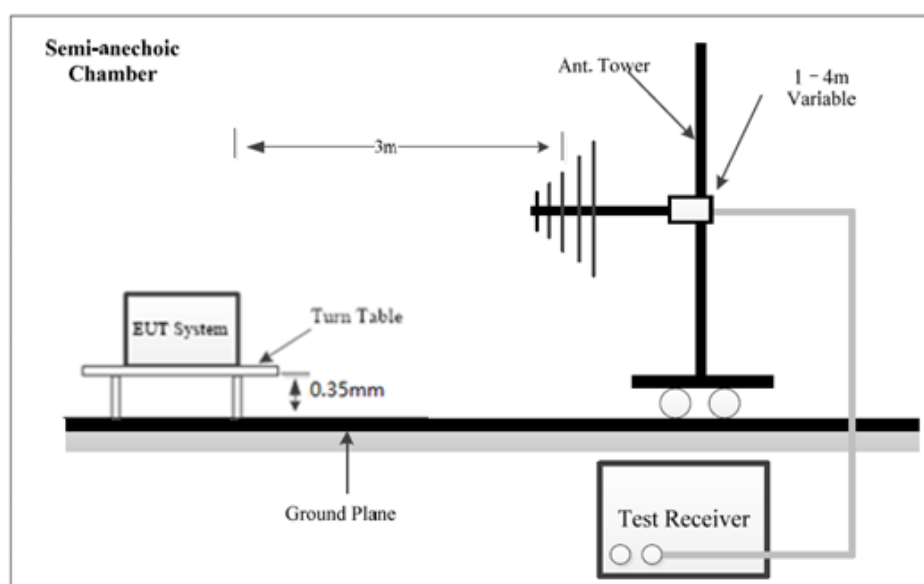
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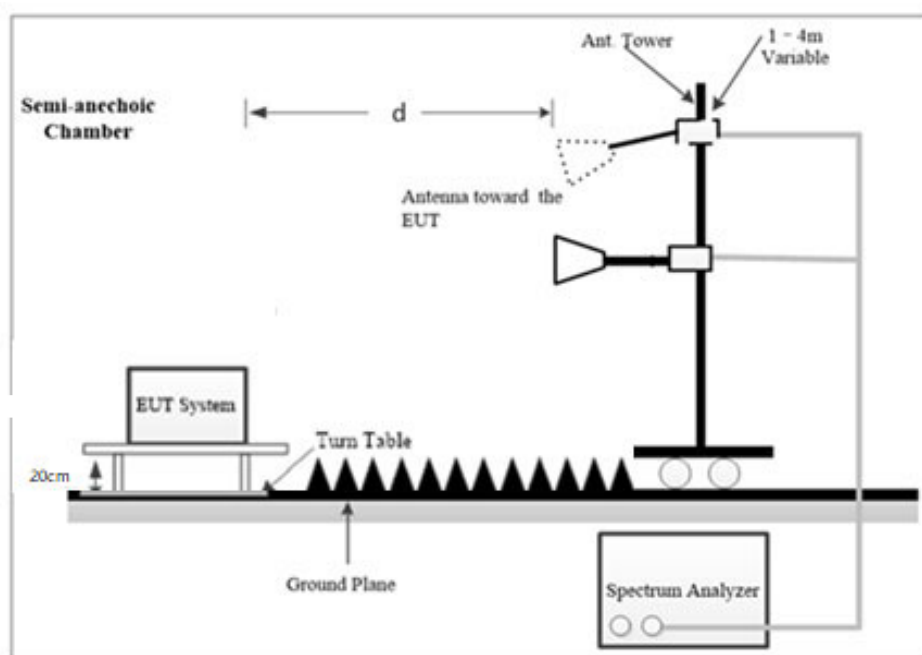
Condition: IF B/W 9kHz PK/AV

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB | Result<br>dBuV | Limit<br>dBuV | Margin<br>dB | Phase   | Remark  |
|-------------|-----------------|--------------|----------------|---------------|--------------|---------|---------|
| 0.75        | 12.51           | 20.43        | 32.94          | 46.00         | 13.06        | Neutral | Average |
| 0.75        | 22.85           | 20.43        | 43.28          | 56.00         | 12.72        | Neutral | QP      |
| 0.82        | 15.51           | 20.57        | 36.08          | 46.00         | 9.92         | Neutral | Average |
| 0.82        | 24.60           | 20.57        | 45.17          | 56.00         | 10.83        | Neutral | QP      |
| 0.91        | 15.81           | 20.76        | 36.57          | 46.00         | 9.43         | Neutral | Average |
| 0.91        | 24.86           | 20.76        | 45.62          | 56.00         | 10.38        | Neutral | QP      |
| 1.04        | 16.23           | 20.93        | 37.16          | 46.00         | 8.84         | Neutral | Average |
| 1.04        | 24.90           | 20.93        | 45.83          | 56.00         | 10.17        | Neutral | QP      |
| 1.17        | 16.61           | 20.94        | 37.55          | 46.00         | 8.45         | Neutral | Average |
| 1.17        | 25.10           | 20.94        | 46.04          | 56.00         | 9.96         | Neutral | QP      |
| 1.30        | 15.97           | 20.96        | 36.93          | 46.00         | 9.07         | Neutral | Average |
| 1.30        | 24.36           | 20.96        | 45.32          | 56.00         | 10.68        | Neutral | QP      |

**FCC §15.205, §15.209 & §15.247(d) & RSS-247 Clause 5.5, RSS-GEN ISSUE5  
Clause 8.10 – RADIATED EMISSIONS****Applicable Standard**

FCC §15.205; §15.209; §15.247(d); RSS-247 Clause 5.5; RSS-GEN ISSUE5 Clause 8.10

**Test System Setup****9 kHz-30MHz****Below 1 GHz:**

**Above 1GHz:**

The radiated emission tests using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, FCC 15.247, RSS-247, RSS-Gen limits.

NOTE: d is testing distance;

For Radiated Emission test (1GHz-18GHz) and Bandedge Emission test, which was performed at 3 m distance.

For Radiated Emission test (18GHz-25GHz), which was performed at 1.5 m distance, according to ANSI C63.10-2013, the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m.

Distance extrapolation Factor =  $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]})$  dB=6 dB

**EMI Test Receiver & Spectrum Analyzer Setup**

The system was investigated from 9 kHz to 25 GHz.

During the radiated emission test, the EMI Test Receiver & Spectrum Analyzer Setup was set with the following configurations:

| Frequency Range   | RBW     | VBW     | Measurement |
|-------------------|---------|---------|-------------|
| 9 kHz – 150 kHz   | 300Hz   | 1 kHz   | PK          |
|                   | 200Hz   | /       | QP          |
| 150 kHz – 30 MHz  | 10 kHz  | 30 kHz  | PK          |
|                   | 9kHz    | /       | QP          |
| 30 MHz – 1000 MHz | 100 kHz | 300 kHz | PK          |
|                   | 120kHz  | /       | QP          |

1GHz~25GHz:

Pre-scan:

| Measurement | RBW  | Video B/W | Detector |
|-------------|------|-----------|----------|
| PK          | 1MHz | 3MHz      | PK       |
| Ave.        | 1MHz | 5kHz      | PK       |

Final measurement for emission identified during the pre-scan:

| Measurement | RBW  | Video B/W | Detector |
|-------------|------|-----------|----------|
| PK          | 1MHz | 3MHz      | PK       |
| Ave.        | 1MHz | 10Hz      | PK       |

## Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable. The report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground parallel) unless the margin is greater than 20 dB, then the following statement shall be made: "all emissions were greater than 20 dB below the limit."

Below 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

Above 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is below the AV emission limit, there's no need to record the measured AV level of the emissions in the report.

## Result & Margin Calculation

The Result is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

For 9 kHz to 18GHz Radiated emission test

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

For 18GHz to 25GHz Radiated emission test and Bandedge emissions test

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB) - Extrapolation factor (dB)

Extrapolation factor = 6dB (distance = 1.5m)

Result (dBμV/m) = Reading (dBμV) + Factor (dB/m)

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV/m) - Result (dBμV/m)

The spurious emission from 9 kHz-30MHz of IC RSS-Gen standard, the unit of final result on the test plots are dBμV/m, so the limit should be added by 51.5dB from dBμA/m to dBμV/m.

## Test Data

Please refer to the below table and plots.

|                           |             |             |
|---------------------------|-------------|-------------|
| <b>Frequency Range:</b>   | Below 1 GHz | Above 1 GHz |
| <b>Temperature:</b>       | 23.8°C      | 21.3°C      |
| <b>Relative Humidity:</b> | 48%         | 54 %        |
| <b>ATM Pressure:</b>      | 100.1kPa    | 100.1kPa    |
| <b>Test Date:</b>         | 2025-04-03  | 2025-06-11  |
| <b>Test Engineer:</b>     | Wlif Wu     | Wlif Wu     |

### 1) 9 kHz ~30 MHz

*Note: The maximum output power mode: EDR (8DPSK) middle channel was tested.*

Project No.: 2407X35401E-RF

Temp/Humi/ATM: 23.8°C/48%/100.1kPa

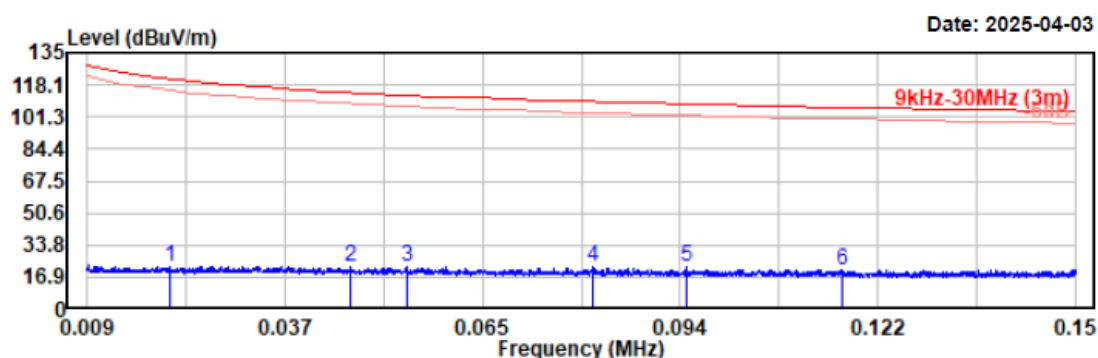
Test Mode: 3DH1-2441

Tested by: Wlif Wu

EUT Model: YS-TT1MPLUS

Power Source: AC 120V/60Hz

Test distance: 3m

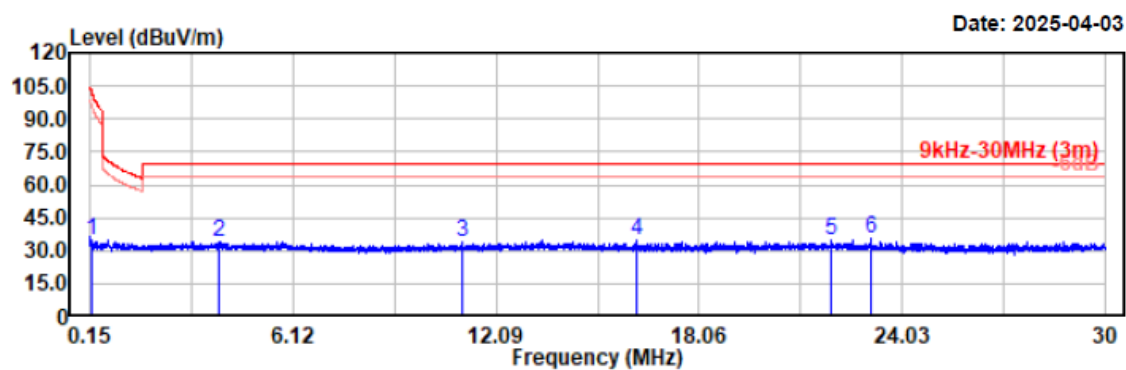


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|--------|
| 0.021       | 2.70            | 19.82          | 22.52            | 121.30          | 98.78        | Peak   |
| 0.047       | 2.17            | 19.91          | 22.08            | 114.25          | 92.17        | Peak   |
| 0.055       | 2.21            | 19.91          | 22.12            | 112.86          | 90.74        | Peak   |
| 0.081       | 2.27            | 19.72          | 21.99            | 109.41          | 87.42        | Peak   |
| 0.095       | 2.17            | 19.77          | 21.94            | 108.10          | 86.16        | Peak   |
| 0.117       | 1.12            | 19.73          | 20.85            | 106.27          | 85.42        | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: 3DH1-2441  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 23.8℃/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Condition: PK RBW:10KHz VBW:30kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|--------|
| 0.201       | 15.23           | 19.72          | 34.95            | 101.55          | 66.60        | Peak   |
| 3.950       | 14.28           | 19.77          | 34.05            | 69.58           | 35.53        | Peak   |
| 11.105      | 14.14           | 19.71          | 33.85            | 69.58           | 35.73        | Peak   |
| 16.227      | 15.08           | 19.84          | 34.92            | 69.58           | 34.66        | Peak   |
| 21.964      | 14.71           | 20.14          | 34.85            | 69.58           | 34.73        | Peak   |
| 23.132      | 15.01           | 20.17          | 35.18            | 69.58           | 34.40        | Peak   |

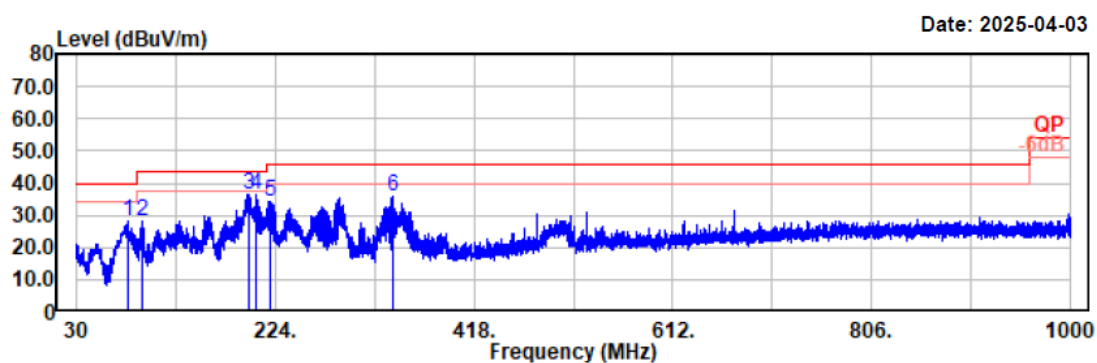
Note:  $\text{dBuV/m} = \text{dBuA/m} + 51.5\text{dB}$

## 2) 30MHz-1GHz

Note: The maximum output power mode: EDR ( $\pi/4$ -DQPSK) middle channel was tested.

Project No.: 2407X35401E-RF  
Test Mode: 3DH1-2441  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/48%/100.1kPa  
Tested by: Zane Zhang  
Power Source: AC120V/60Hz

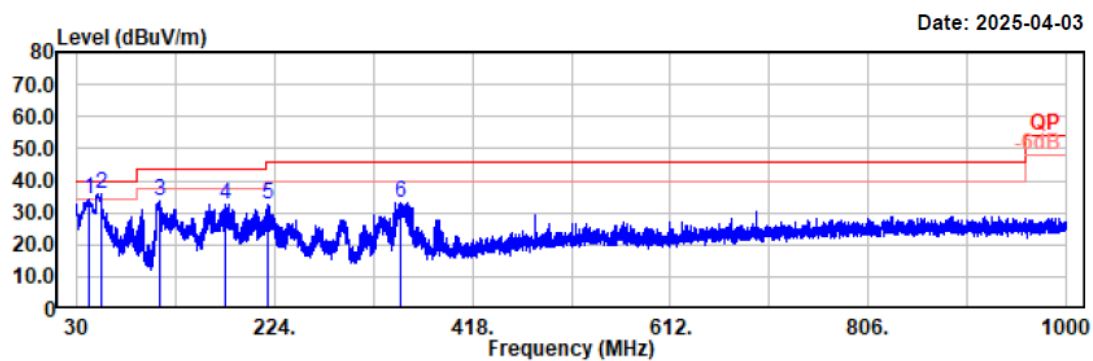


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 79.47       | 45.09           | -17.03         | 28.06            | 40.00           | 11.94        | Horizontal | Peak   |
| 94.12       | 44.51           | -16.60         | 27.91            | 43.50           | 15.59        | Horizontal | Peak   |
| 198.59      | 48.02           | -11.66         | 36.36            | 43.50           | 7.14         | Horizontal | Peak   |
| 204.60      | 48.35           | -12.05         | 36.30            | 43.50           | 7.20         | Horizontal | Peak   |
| 218.67      | 47.01           | -12.67         | 34.34            | 46.00           | 11.66        | Horizontal | Peak   |
| 339.53      | 44.43           | -8.36          | 36.07            | 46.00           | 9.93         | Horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: 3DH1-2441  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/48%/100.1kPa  
Tested by: Zane Zhang  
Power Source: AC120V/60Hz



Condition: PK RBW:100kHz VBW:300kHz SWT:auto

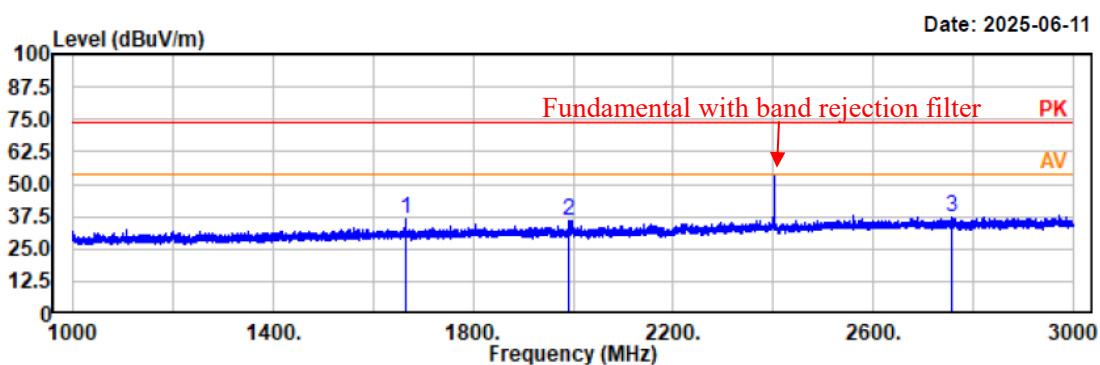
| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 41.74       | 47.23           | -12.90         | 34.33            | 40.00           | 5.67         | Vertical | QP     |
| 53.28       | 53.57           | -17.75         | 35.82            | 40.00           | 4.18         | Vertical | QP     |
| 110.70      | 45.24           | -11.74         | 33.50            | 43.50           | 10.00        | Vertical | Peak   |
| 175.89      | 44.75           | -12.11         | 32.64            | 43.50           | 10.86        | Vertical | Peak   |
| 216.82      | 45.04           | -12.68         | 32.36            | 46.00           | 13.64        | Vertical | Peak   |
| 347.48      | 41.01           | -8.12          | 32.89            | 46.00           | 13.11        | Vertical | Peak   |

### 3) 1 GHz-3 GHz

EUT operation mode: Transmitting in the BDR (GFSK) mode

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

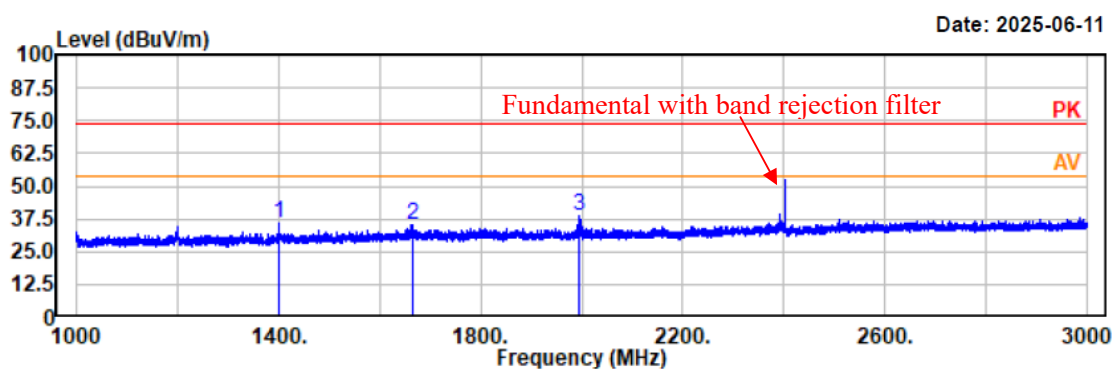


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 1665.60     | 50.05           | -13.74         | 36.31            | 74.00           | 37.69        | horizontal | Peak   |
| 1992.20     | 48.43           | -12.58         | 35.85            | 74.00           | 38.15        | horizontal | Peak   |
| 2758.40     | 47.19           | -9.92          | 37.27            | 74.00           | 36.73        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

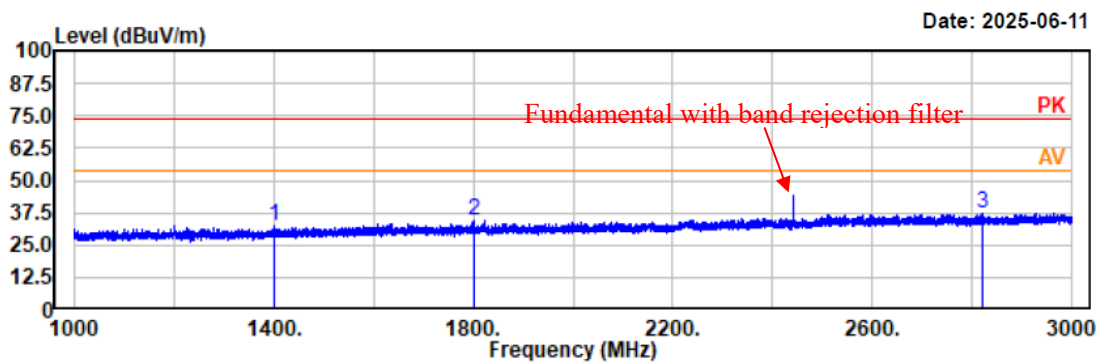


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 1399.80     | 50.64           | -14.67         | 35.97            | 74.00           | 38.03        | vertical | Peak   |
| 1664.80     | 48.89           | -13.74         | 35.15            | 74.00           | 38.85        | vertical | Peak   |
| 1993.20     | 51.33           | -12.58         | 38.75            | 74.00           | 35.25        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

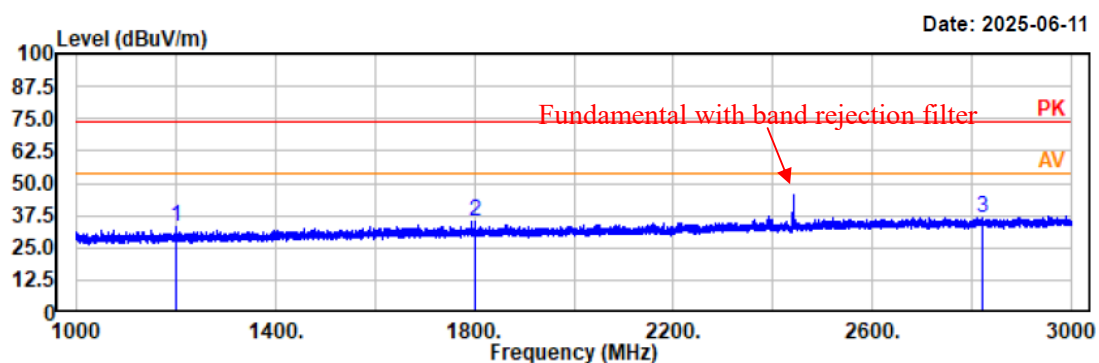


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 1400.60     | 46.79           | -14.67         | 32.12            | 74.00           | 41.88        | horizontal | Peak   |
| 1800.20     | 47.54           | -13.22         | 34.32            | 74.00           | 39.68        | horizontal | Peak   |
| 2820.60     | 46.87           | -9.73          | 37.14            | 74.00           | 36.86        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

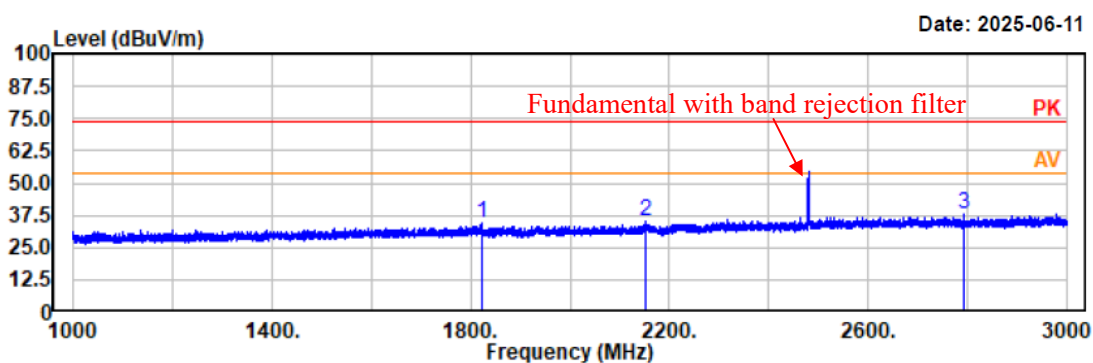


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 1199.40     | 48.45           | -15.11         | 33.34            | 74.00           | 40.66        | vertical | Peak   |
| 1800.40     | 48.44           | -13.22         | 35.22            | 74.00           | 38.78        | vertical | Peak   |
| 2820.60     | 46.58           | -9.73          | 36.85            | 74.00           | 37.15        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



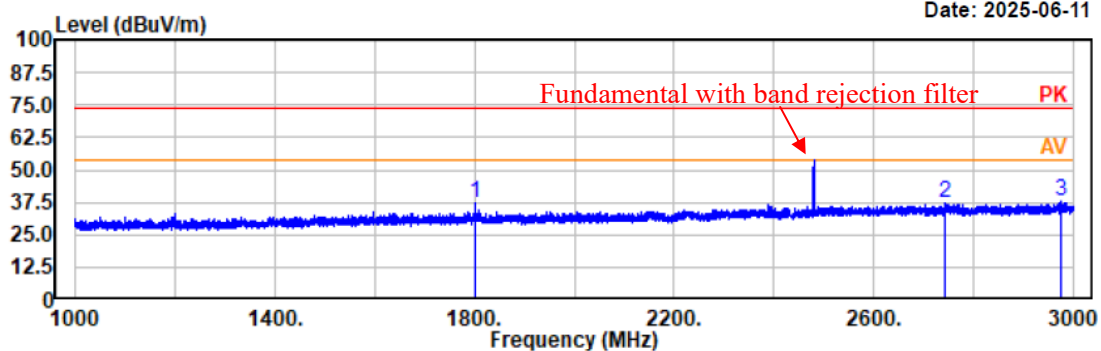
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 1822.60     | 47.59           | -13.16         | 34.43            | 74.00           | 39.57        | horizontal | Peak   |
| 2152.80     | 47.05           | -12.12         | 34.93            | 74.00           | 39.07        | horizontal | Peak   |
| 2794.60     | 47.72           | -9.80          | 37.92            | 74.00           | 36.08        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

Date: 2025-06-11



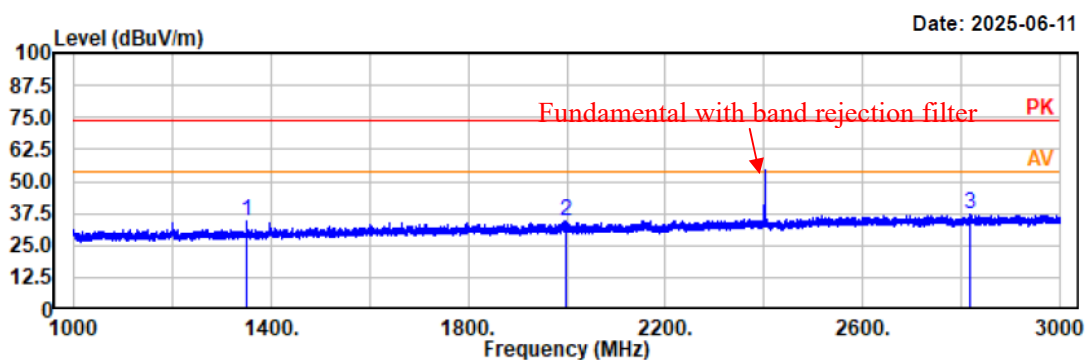
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 1799.80     | 50.24           | -13.22         | 37.02            | 74.00           | 36.98        | vertical | Peak   |
| 2743.60     | 46.91           | -9.95          | 36.96            | 74.00           | 37.04        | vertical | Peak   |
| 2975.60     | 47.14           | -9.07          | 38.07            | 74.00           | 35.93        | vertical | Peak   |

EUT operation mode: Transmitting in the EDR ( $\pi/4$ -DQPSK) mode

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

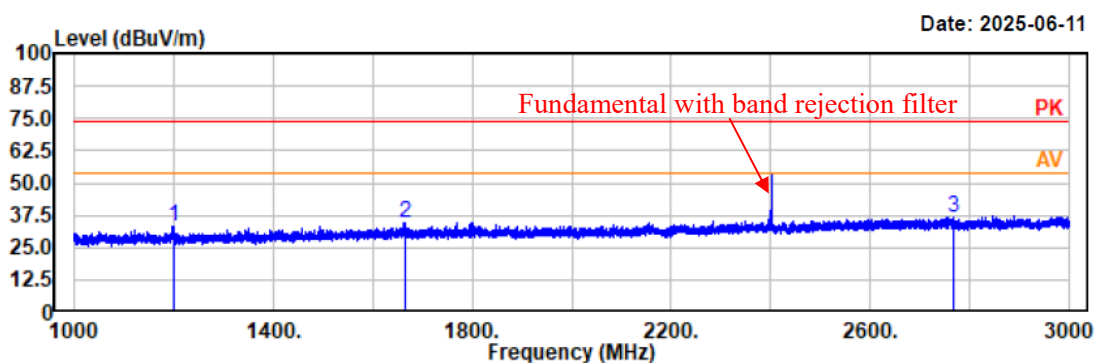


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 1350.00     | 49.65           | -14.89         | 34.76            | 74.00           | 39.24        | horizontal | Peak   |
| 1997.80     | 47.27           | -12.56         | 34.71            | 74.00           | 39.29        | horizontal | Peak   |
| 2817.80     | 47.09           | -9.73          | 37.36            | 74.00           | 36.64        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

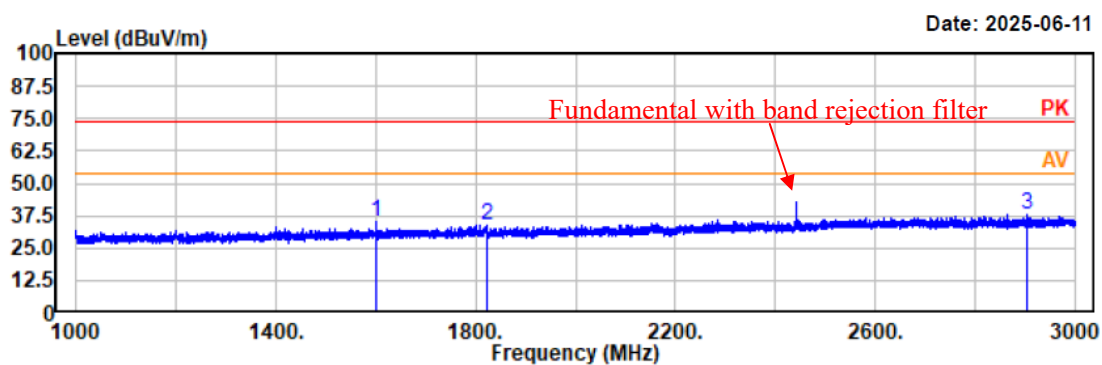


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 1199.20     | 48.14           | -15.11         | 33.03            | 74.00           | 40.97        | vertical | Peak   |
| 1664.80     | 48.29           | -13.74         | 34.55            | 74.00           | 39.45        | vertical | Peak   |
| 2768.80     | 46.73           | -9.88          | 36.85            | 74.00           | 37.15        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

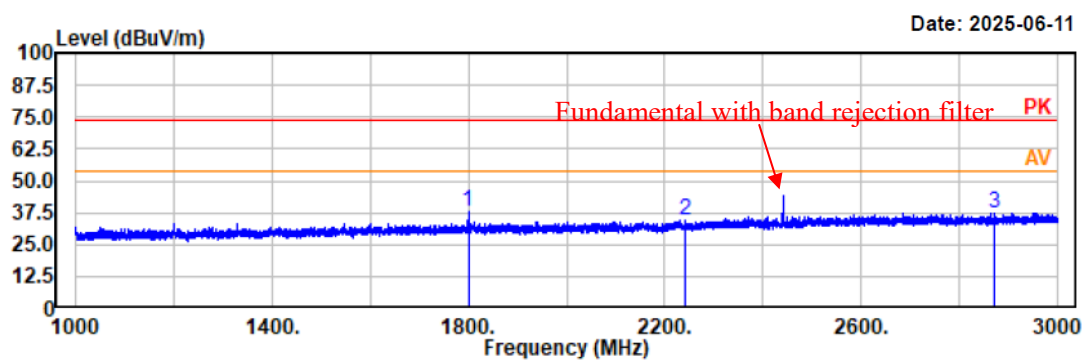


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 1600.60     | 49.32           | -13.93         | 35.39            | 74.00           | 38.61        | horizontal | Peak   |
| 1823.00     | 46.97           | -13.16         | 33.81            | 74.00           | 40.19        | horizontal | Peak   |
| 2905.60     | 47.35           | -9.51          | 37.84            | 74.00           | 36.16        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

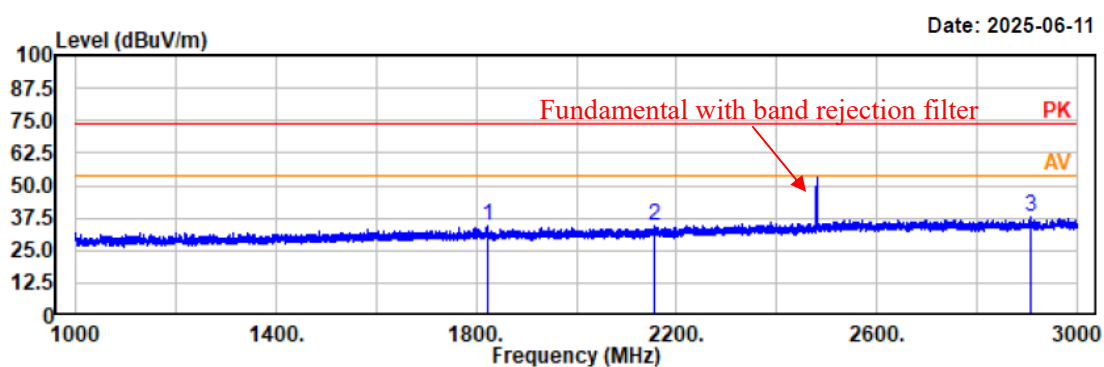


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 1799.60     | 51.23           | -13.22         | 38.01            | 74.00           | 35.99        | vertical | Peak   |
| 2241.40     | 46.51           | -11.81         | 34.70            | 74.00           | 39.30        | vertical | Peak   |
| 2870.40     | 46.61           | -9.60          | 37.01            | 74.00           | 36.99        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

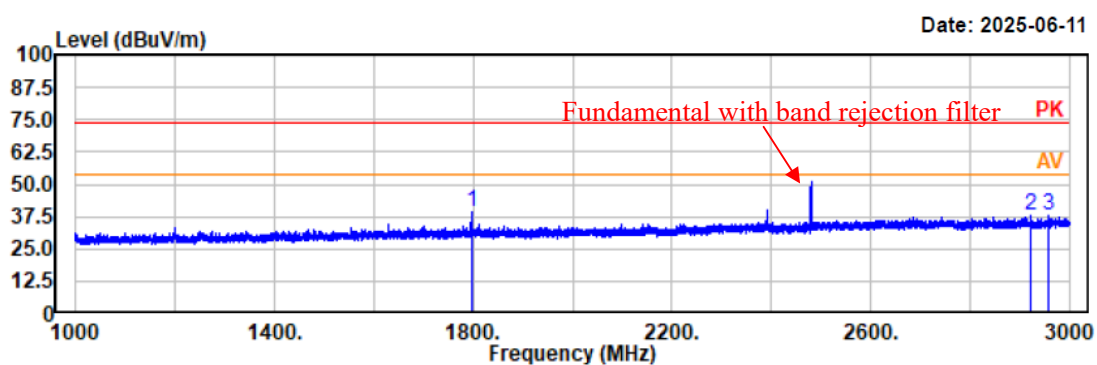


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 1823.60     | 47.34           | -13.16         | 34.18            | 74.00           | 39.82        | horizontal | Peak   |
| 2156.60     | 46.53           | -12.11         | 34.42            | 74.00           | 39.58        | horizontal | Peak   |
| 2906.80     | 47.10           | -9.50          | 37.60            | 74.00           | 36.40        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



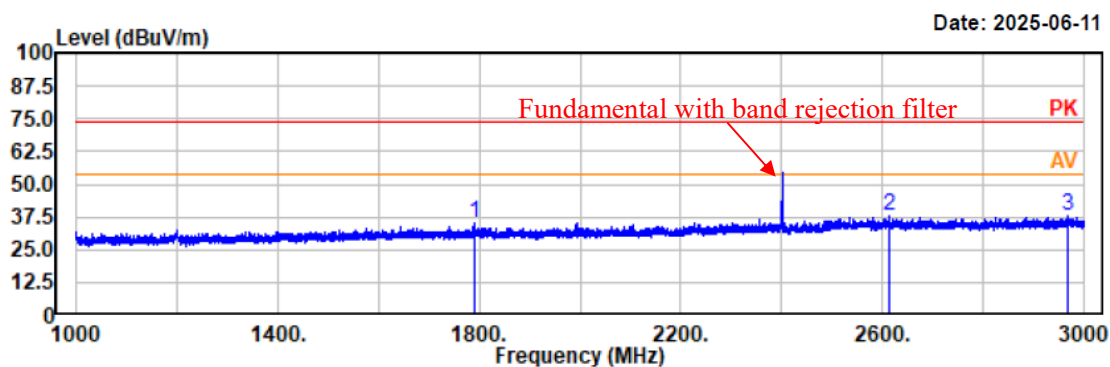
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 1798.40     | 52.35           | -13.23         | 39.12            | 74.00           | 34.88        | vertical | Peak   |
| 2923.60     | 47.28           | -9.39          | 37.89            | 74.00           | 36.11        | vertical | Peak   |
| 2956.60     | 47.24           | -9.17          | 38.07            | 74.00           | 35.93        | vertical | Peak   |

EUT operation mode: Transmitting in the EDR (8DPSK) mode

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

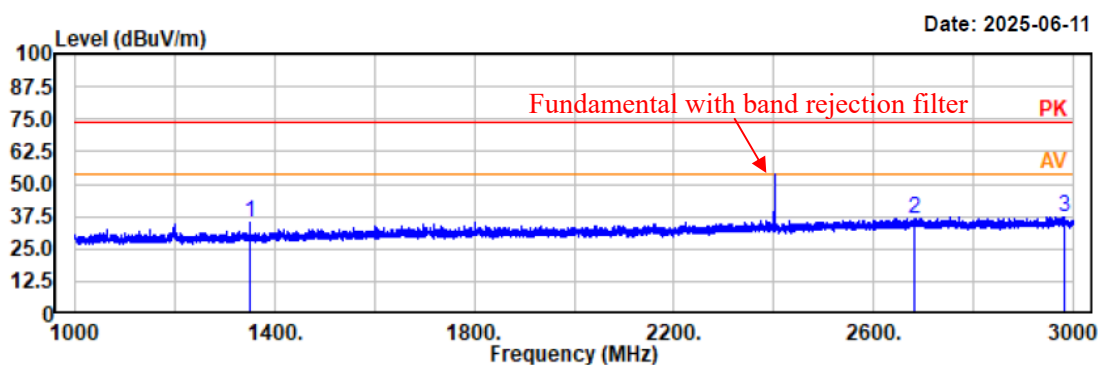


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 1791.40     | 48.36           | -13.27         | 35.09            | 74.00           | 38.91        | horizontal | Peak   |
| 2614.40     | 48.12           | -10.33         | 37.79            | 74.00           | 36.21        | horizontal | Peak   |
| 2967.20     | 47.13           | -9.11          | 38.02            | 74.00           | 35.98        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

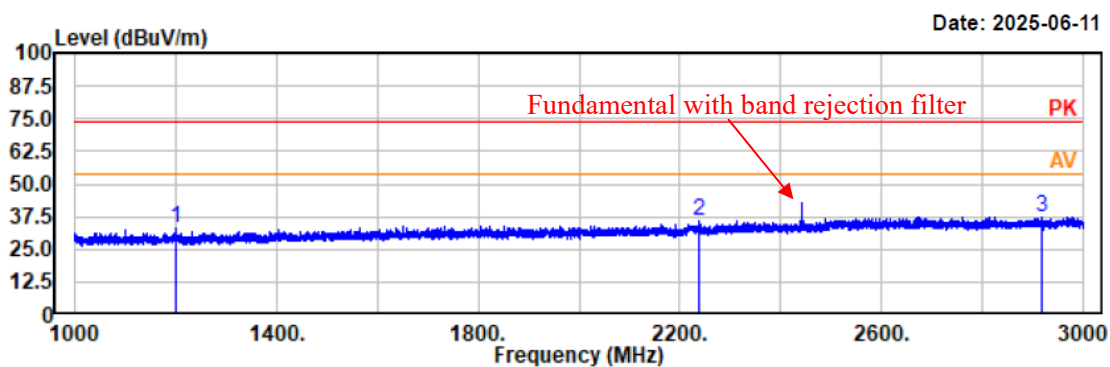


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 1350.20     | 50.29           | -14.89         | 35.40            | 74.00           | 38.60        | vertical | Peak   |
| 2682.00     | 46.76           | -10.07         | 36.69            | 74.00           | 37.31        | vertical | Peak   |
| 2982.40     | 46.32           | -9.04          | 37.28            | 74.00           | 36.72        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

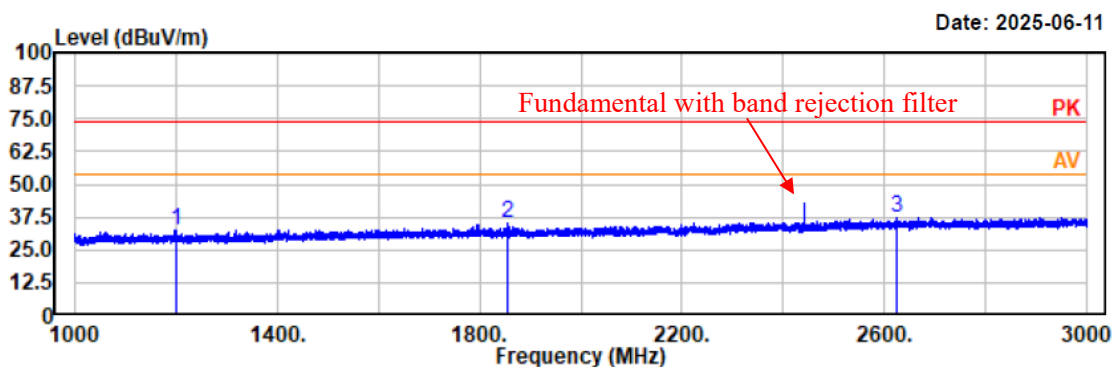


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 1199.80     | 48.46           | -15.11         | 33.35            | 74.00           | 40.65        | horizontal | Peak   |
| 2239.60     | 47.44           | -11.82         | 35.62            | 74.00           | 38.38        | horizontal | Peak   |
| 2919.60     | 46.75           | -9.41          | 37.34            | 74.00           | 36.66        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

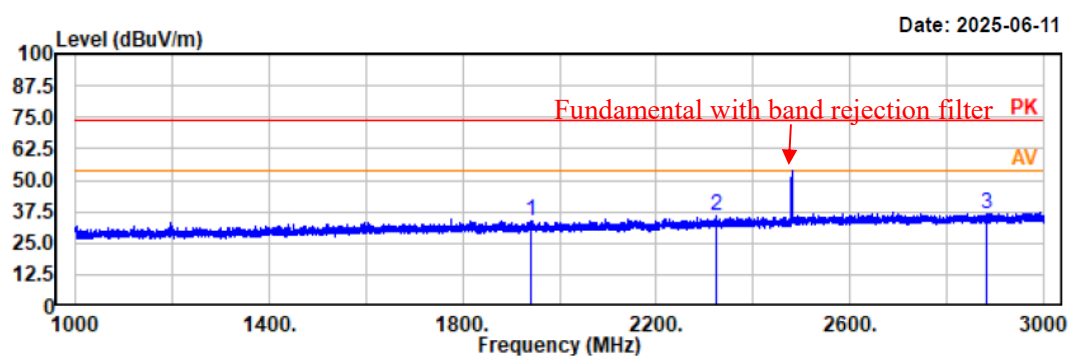


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 1199.60     | 47.78           | -15.11         | 32.67            | 74.00           | 41.33        | vertical | Peak   |
| 1854.00     | 48.05           | -13.08         | 34.97            | 74.00           | 39.03        | vertical | Peak   |
| 2625.80     | 47.64           | -10.30         | 37.34            | 74.00           | 36.66        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

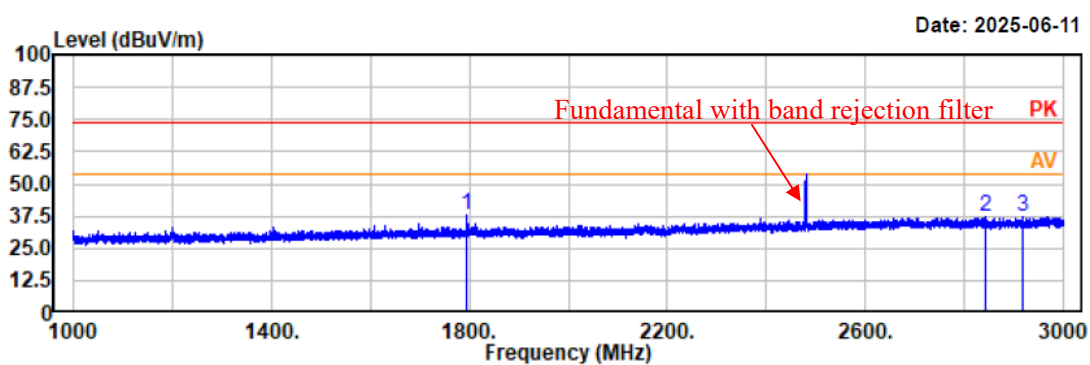


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 1940.80     | 46.93           | -12.80         | 34.13            | 74.00           | 39.87        | horizontal | Peak   |
| 2323.40     | 47.19           | -11.37         | 35.82            | 74.00           | 38.18        | horizontal | Peak   |
| 2882.40     | 46.28           | -9.59          | 36.69            | 74.00           | 37.31        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

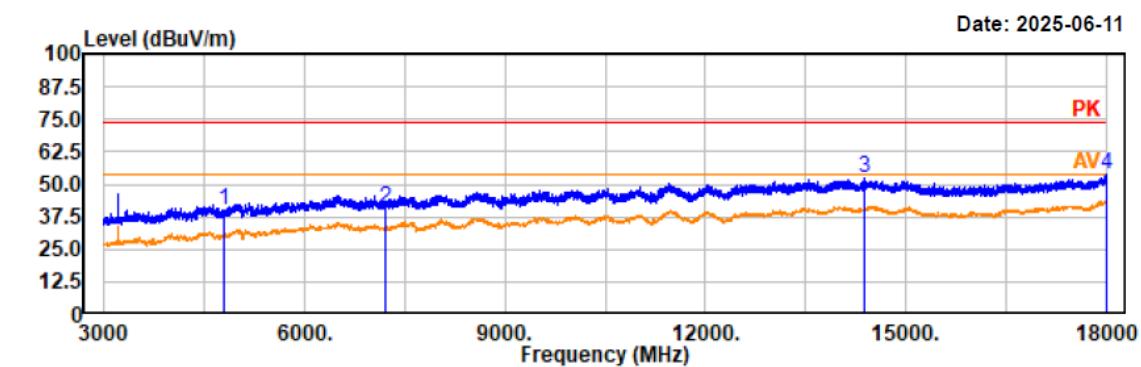
| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 1794.40     | 50.83           | -13.24         | 37.59            | 74.00           | 36.41        | vertical | Peak   |
| 2842.00     | 47.08           | -9.64          | 37.44            | 74.00           | 36.56        | vertical | Peak   |
| 2918.80     | 46.56           | -9.42          | 37.14            | 74.00           | 36.86        | vertical | Peak   |

#### 4) 3 GHz - 18 GHz

EUT operation mode: Transmitting in the BDR (GFSK) mode

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

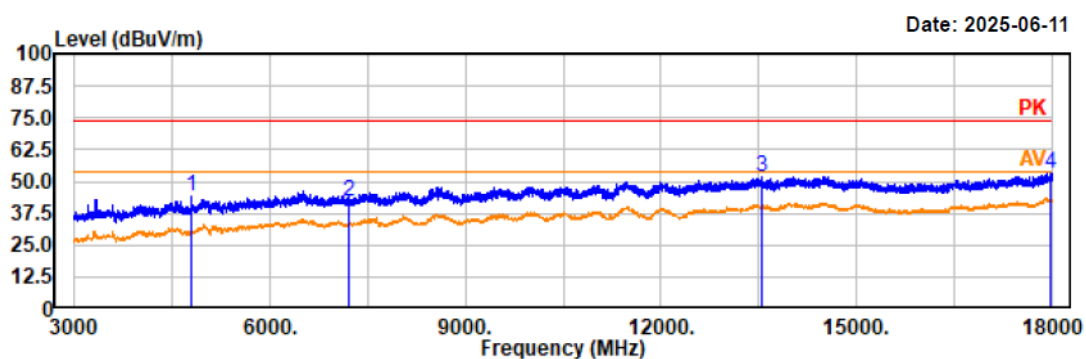
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 4804.00     | 45.44           | -5.24          | 40.20            | 74.00           | 33.80        | horizontal | Peak   |
| 7206.00     | 43.29           | -2.55          | 40.74            | 74.00           | 33.26        | horizontal | Peak   |
| 14383.50    | 46.83           | 5.25           | 52.08            | 74.00           | 21.92        | horizontal | Peak   |
| 17998.50    | 46.62           | 6.91           | 53.53            | 74.00           | 20.47        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 4804.00     | 49.71           | -5.24          | 44.47            | 74.00           | 29.53        | vertical | Peak   |
| 7206.00     | 44.39           | -2.55          | 41.84            | 74.00           | 32.16        | vertical | Peak   |
| 13560.00    | 47.29           | 4.67           | 51.96            | 74.00           | 22.04        | vertical | Peak   |
| 17967.00    | 46.49           | 6.88           | 53.37            | 74.00           | 20.63        | vertical | Peak   |

Project No.: 2407X35401E-RF

Test Mode: BDR DH1 2441MHz

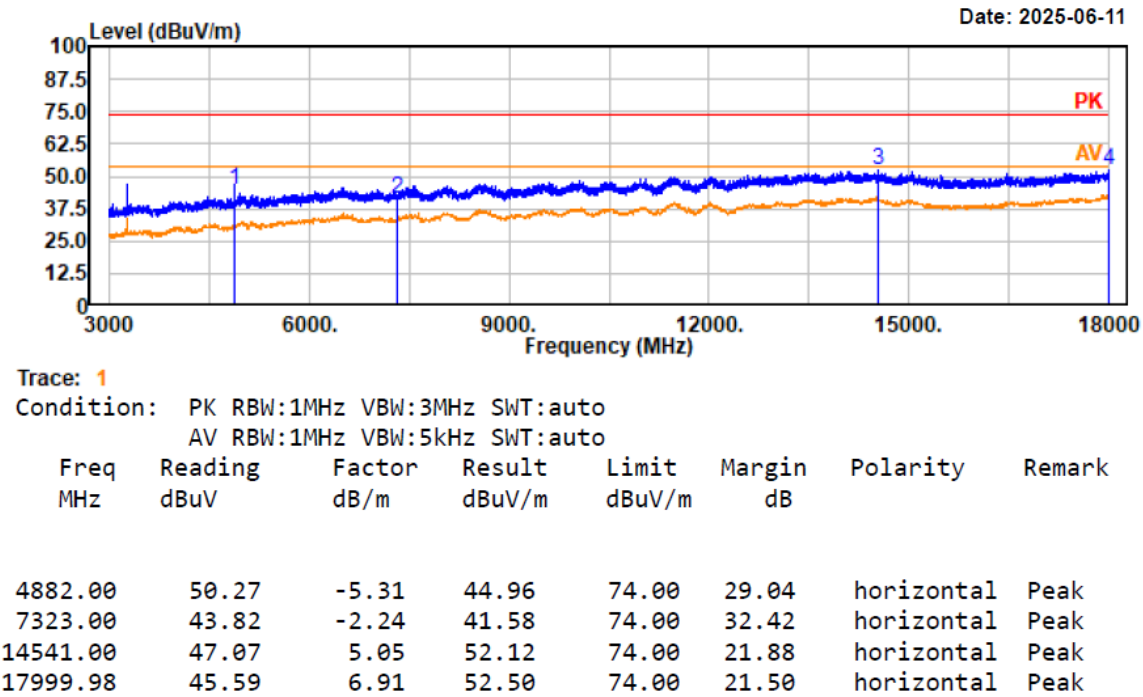
EUT Model: YS-TT1MPLUS

Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa

Tested by: Wlif Wu

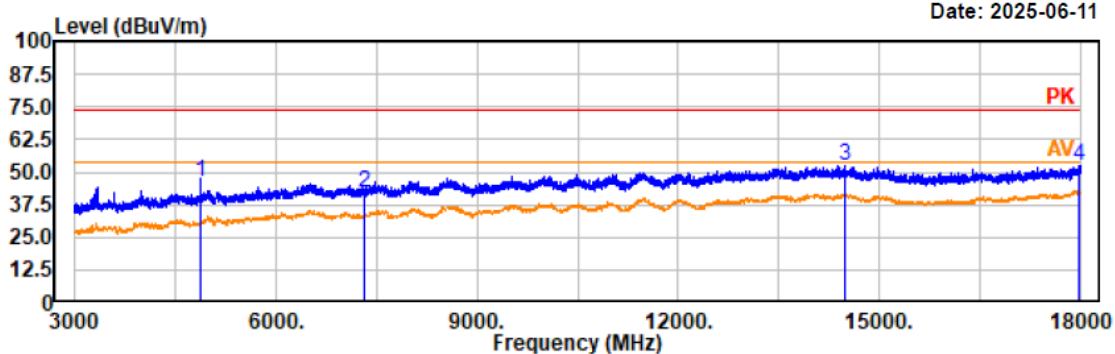
Power Source: AC 120V/60Hz



Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

Date: 2025-06-11



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

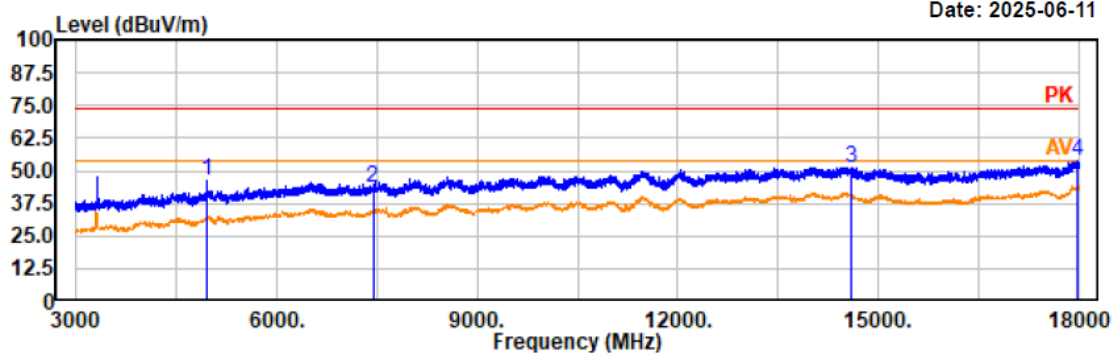
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 4882.00     | 51.76           | -5.31          | 46.45            | 74.00           | 27.55        | vertical | Peak   |
| 7323.00     | 44.62           | -2.24          | 42.38            | 74.00           | 31.62        | vertical | Peak   |
| 14496.00    | 47.44           | 5.07           | 52.51            | 74.00           | 21.49        | vertical | Peak   |
| 17977.50    | 45.32           | 6.89           | 52.21            | 74.00           | 21.79        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

Date: 2025-06-11



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

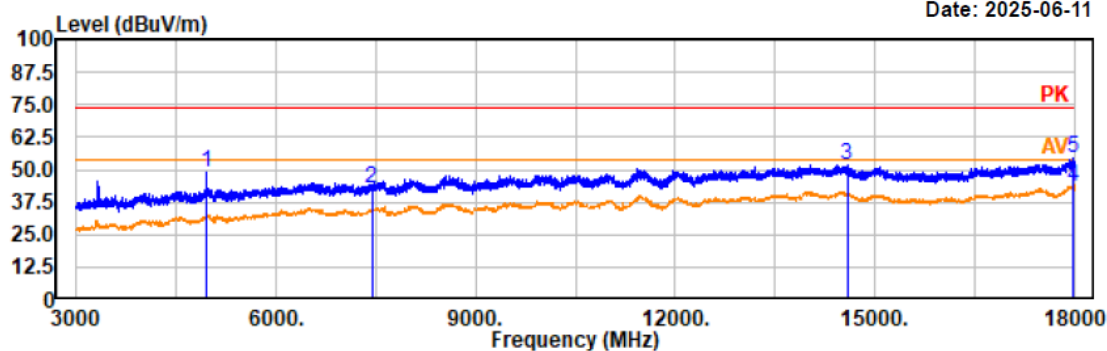
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 4960.00     | 51.38           | -5.11          | 46.27            | 74.00           | 27.73        | horizontal | Peak   |
| 7440.00     | 45.51           | -2.03          | 43.48            | 74.00           | 30.52        | horizontal | Peak   |
| 14586.00    | 46.20           | 5.01           | 51.21            | 74.00           | 22.79        | horizontal | Peak   |
| 17991.00    | 46.93           | 6.90           | 53.83            | 74.00           | 20.17        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

Date: 2025-06-11



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

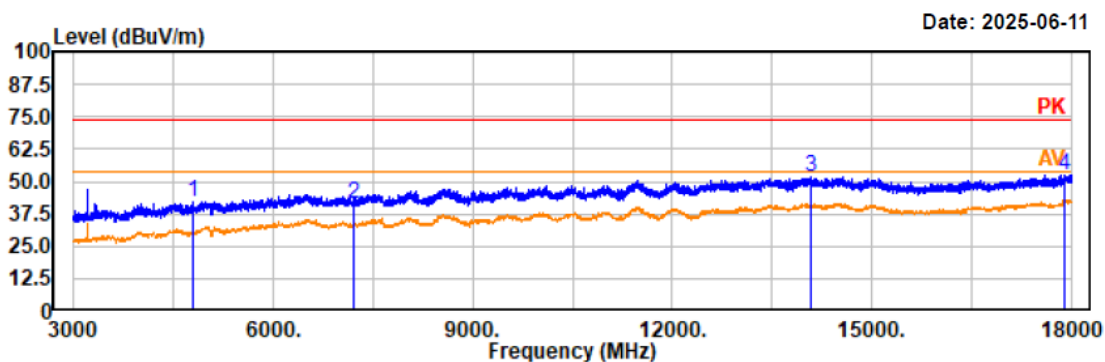
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 4960.00     | 53.86           | -5.11          | 48.75            | 74.00           | 25.25        | vertical | Peak    |
| 7440.00     | 44.69           | -2.03          | 42.66            | 74.00           | 31.34        | vertical | Peak    |
| 14581.50    | 46.99           | 5.03           | 52.02            | 74.00           | 21.98        | vertical | Peak    |
| 17991.00    | 36.62           | 6.90           | 43.52            | 54.00           | 10.48        | vertical | Average |
| 17991.00    | 47.31           | 6.90           | 54.21            | 74.00           | 19.79        | vertical | Peak    |

EUT operation mode: Transmitting in the EDR ( $\pi/4$ -DQPSK) mode

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

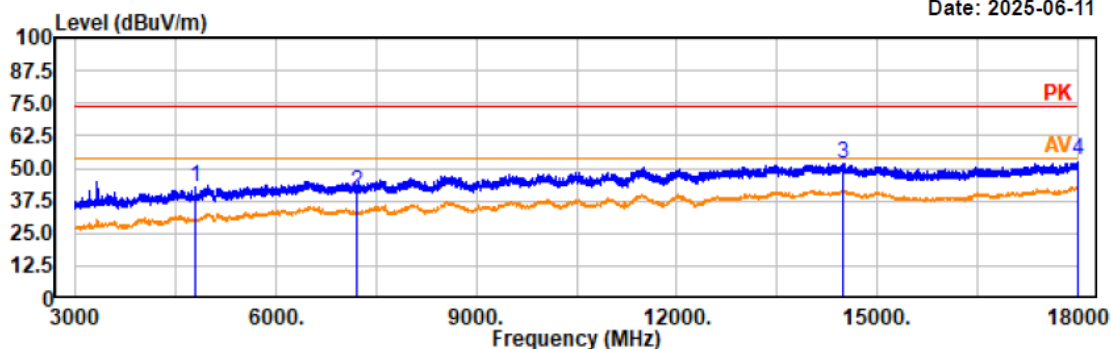
Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 4804.00     | 47.10           | -5.24          | 41.86            | 74.00           | 32.14        | horizontal | Peak   |
| 7206.00     | 43.98           | -2.55          | 41.43            | 74.00           | 32.57        | horizontal | Peak   |
| 14085.00    | 46.30           | 5.32           | 51.62            | 74.00           | 22.38        | horizontal | Peak   |
| 17899.50    | 45.65           | 6.81           | 52.46            | 74.00           | 21.54        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

Date: 2025-06-11



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

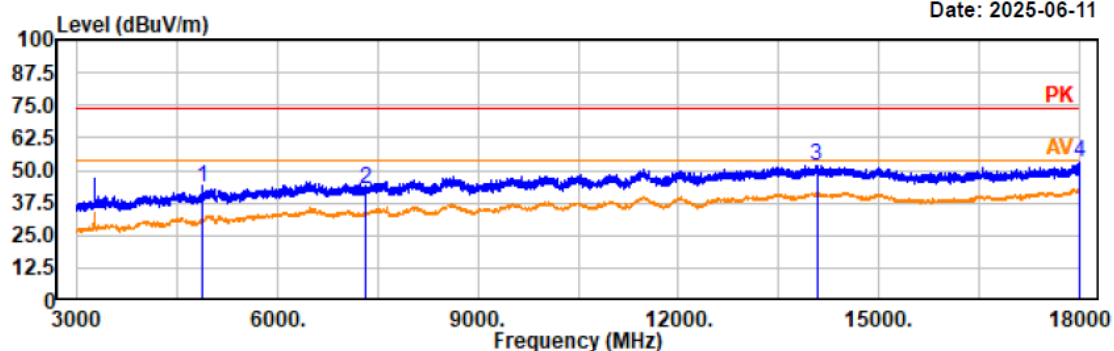
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 4804.00     | 48.19           | -5.24          | 42.95            | 74.00           | 31.05        | vertical | Peak   |
| 7206.00     | 43.55           | -2.55          | 41.00            | 74.00           | 33.00        | vertical | Peak   |
| 14496.00    | 46.91           | 5.07           | 51.98            | 74.00           | 22.02        | vertical | Peak   |
| 17999.98    | 46.29           | 6.91           | 53.20            | 74.00           | 20.80        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

Date: 2025-06-11



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

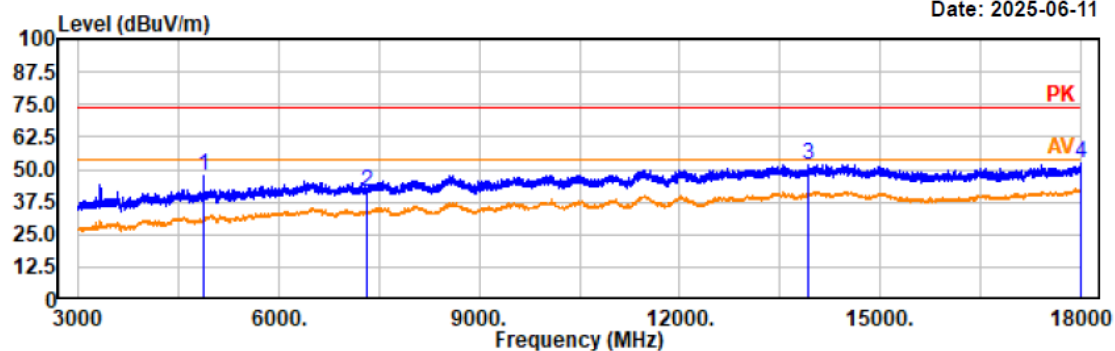
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 4882.00     | 48.70           | -5.30          | 43.40            | 74.00           | 30.60        | horizontal | Peak   |
| 7323.00     | 45.10           | -2.24          | 42.86            | 74.00           | 31.14        | horizontal | Peak   |
| 14071.50    | 46.72           | 5.29           | 52.01            | 74.00           | 21.99        | horizontal | Peak   |
| 17997.00    | 46.46           | 6.91           | 53.37            | 74.00           | 20.63        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

Date: 2025-06-11

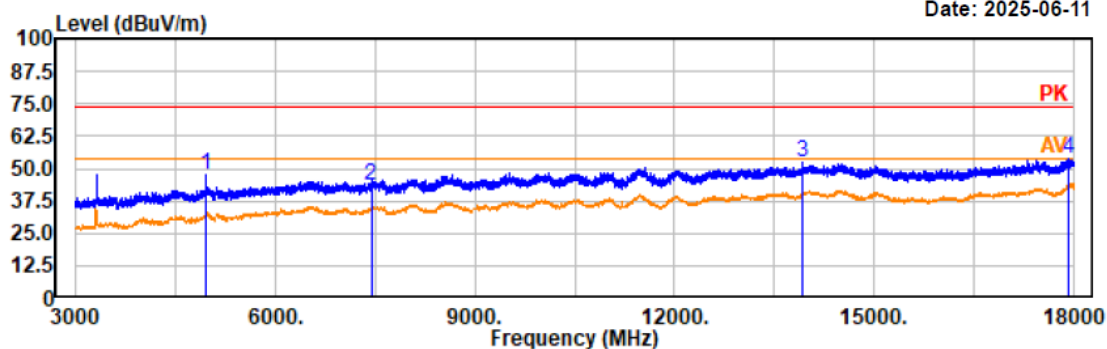


| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 4882.00     | 52.71           | -5.31          | 47.40            | 74.00           | 26.60        | vertical | Peak   |
| 7323.00     | 43.64           | -2.24          | 41.40            | 74.00           | 32.60        | vertical | Peak   |
| 13914.00    | 46.61           | 5.17           | 51.78            | 74.00           | 22.22        | vertical | Peak   |
| 17997.00    | 45.84           | 6.91           | 52.75            | 74.00           | 21.25        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

Date: 2025-06-11



Trace: 1

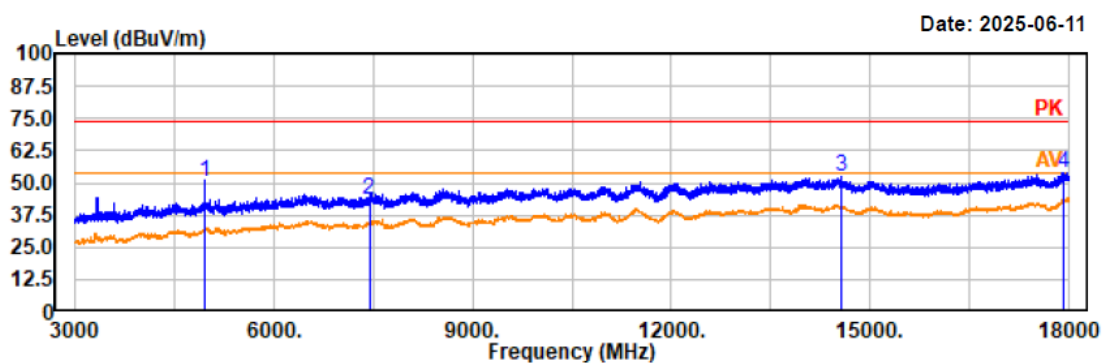
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 4960.00     | 52.73           | -5.11          | 47.62            | 74.00           | 26.38        | horizontal | Peak   |
| 7440.00     | 45.59           | -2.03          | 43.56            | 74.00           | 30.44        | horizontal | Peak   |
| 13917.00    | 47.19           | 5.17           | 52.36            | 74.00           | 21.64        | horizontal | Peak   |
| 17928.00    | 47.00           | 6.84           | 53.84            | 74.00           | 20.16        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

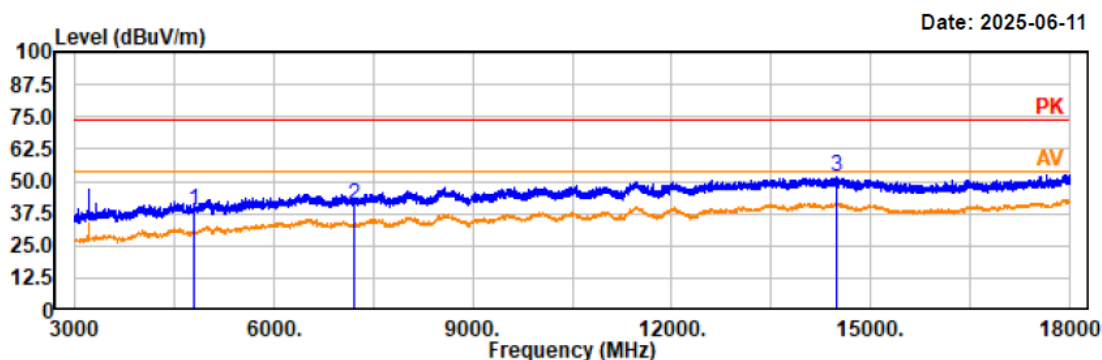
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 4960.00     | 55.30           | -5.11          | 50.19            | 74.00           | 23.81        | vertical | Peak   |
| 7440.00     | 45.47           | -2.03          | 43.44            | 74.00           | 30.56        | vertical | Peak   |
| 14572.50    | 47.21           | 5.03           | 52.24            | 74.00           | 21.76        | vertical | Peak   |
| 17917.50    | 46.96           | 6.82           | 53.78            | 74.00           | 20.22        | vertical | Peak   |

EUT operation mode: Transmitting in the EDR (8DPSK) mode

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

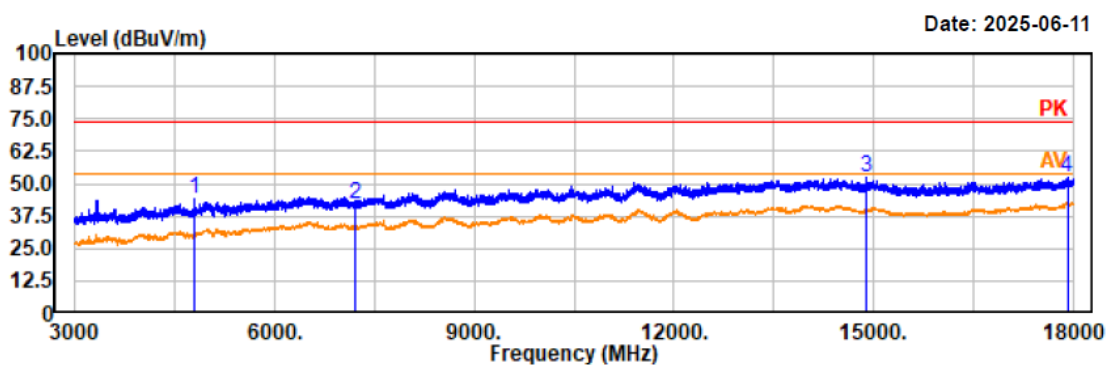
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 4804.00     | 44.01           | -5.24          | 38.77            | 74.00           | 35.23        | horizontal | Peak   |
| 7206.00     | 43.54           | -2.55          | 40.99            | 74.00           | 33.01        | horizontal | Peak   |
| 14493.00    | 46.30           | 5.08           | 51.38            | 74.00           | 22.62        | horizontal | Peak   |
| 18000.00    | 45.86           | 6.91           | 52.77            | 74.00           | 21.23        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

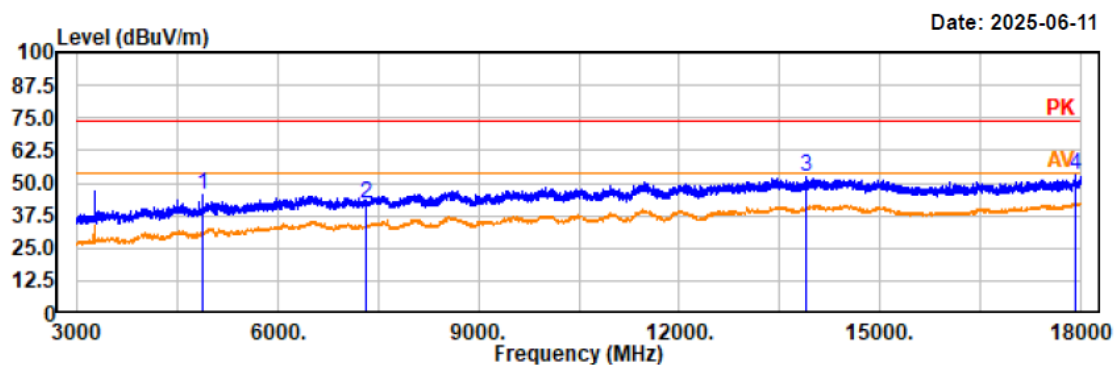
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 4804.00     | 49.22           | -5.24          | 43.98            | 74.00           | 30.02        | vertical | Peak   |
| 7206.00     | 44.35           | -2.55          | 41.80            | 74.00           | 32.20        | vertical | Peak   |
| 14892.00    | 47.55           | 4.64           | 52.19            | 74.00           | 21.81        | vertical | Peak   |
| 17911.50    | 45.79           | 6.81           | 52.60            | 74.00           | 21.40        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

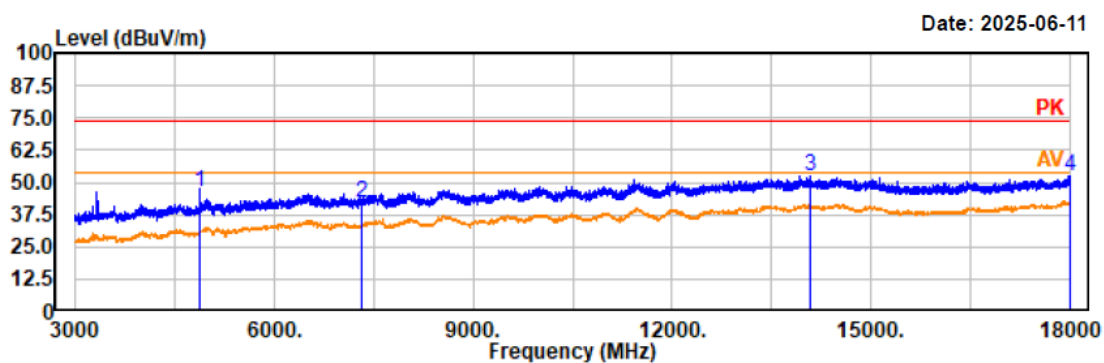
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 4882.00     | 51.00           | -5.30          | 45.70            | 74.00           | 28.30        | horizontal | Peak   |
| 7323.00     | 44.36           | -2.24          | 42.12            | 74.00           | 31.88        | horizontal | Peak   |
| 13906.50    | 47.07           | 5.17           | 52.24            | 74.00           | 21.76        | horizontal | Peak   |
| 17931.00    | 46.32           | 6.83           | 53.15            | 74.00           | 20.85        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

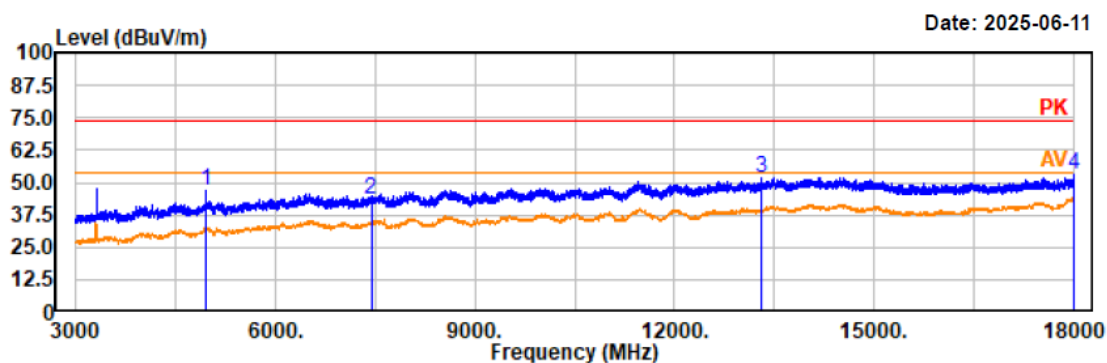
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 4882.00     | 51.56           | -5.31          | 46.25            | 74.00           | 27.75        | vertical | Peak   |
| 7323.00     | 44.54           | -2.24          | 42.30            | 74.00           | 31.70        | vertical | Peak   |
| 14092.50    | 47.34           | 5.33           | 52.67            | 74.00           | 21.33        | vertical | Peak   |
| 17997.00    | 45.67           | 6.91           | 52.58            | 74.00           | 21.42        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

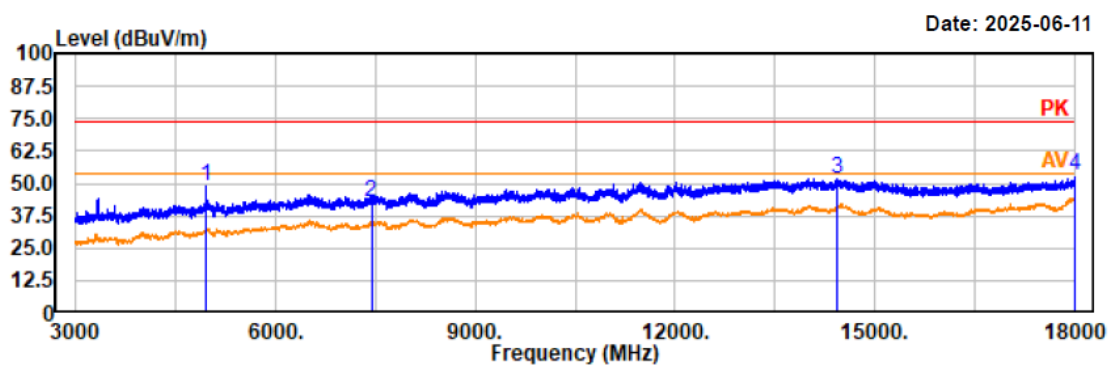
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 4960.00     | 51.95           | -5.11          | 46.84            | 74.00           | 27.16        | horizontal | Peak   |
| 7440.00     | 45.51           | -2.03          | 43.48            | 74.00           | 30.52        | horizontal | Peak   |
| 13306.50    | 47.21           | 4.65           | 51.86            | 74.00           | 22.14        | horizontal | Peak   |
| 17997.00    | 45.94           | 6.91           | 52.85            | 74.00           | 21.15        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

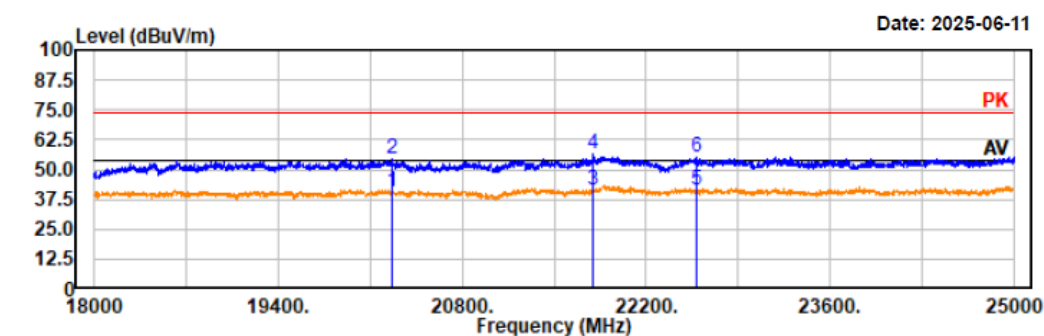
| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 4960.00     | 53.92           | -5.11          | 48.81            | 74.00           | 25.19        | vertical | Peak   |
| 7440.00     | 45.12           | -2.03          | 43.09            | 74.00           | 30.91        | vertical | Peak   |
| 14436.00    | 46.43           | 5.18           | 51.61            | 74.00           | 22.39        | vertical | Peak   |
| 17999.98    | 45.97           | 6.91           | 52.88            | 74.00           | 21.12        | vertical | Peak   |

**5) 18GHz-25GHz**

*Note: The maximum output power mode: EDR (8DPSK) middle channel was tested.*

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 1.5m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

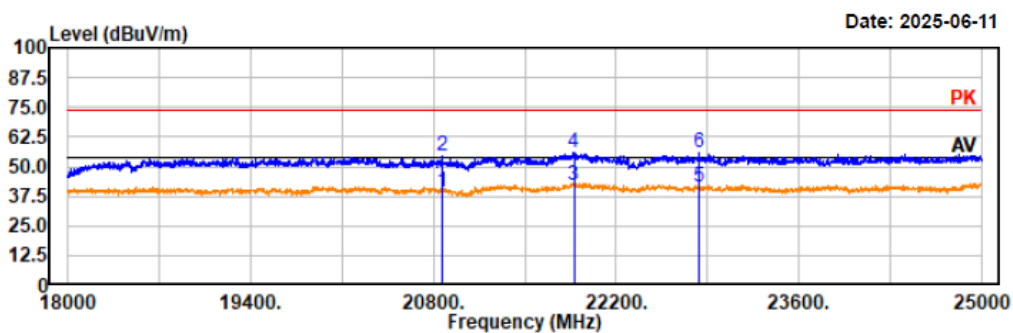
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 20263.80    | 36.56           | 3.94           | 40.50            | 54.00           | 13.50        | horizontal | Average |
| 20263.80    | 50.61           | 3.94           | 54.55            | 74.00           | 19.45        | horizontal | Peak    |
| 21799.40    | 36.22           | 5.02           | 41.24            | 54.00           | 12.76        | horizontal | Average |
| 21799.40    | 51.24           | 5.02           | 56.26            | 74.00           | 17.74        | horizontal | Peak    |
| 22584.80    | 36.12           | 5.07           | 41.19            | 54.00           | 12.81        | horizontal | Average |
| 22584.80    | 50.39           | 5.07           | 55.46            | 74.00           | 18.54        | horizontal | Peak    |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2441MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 1.5m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

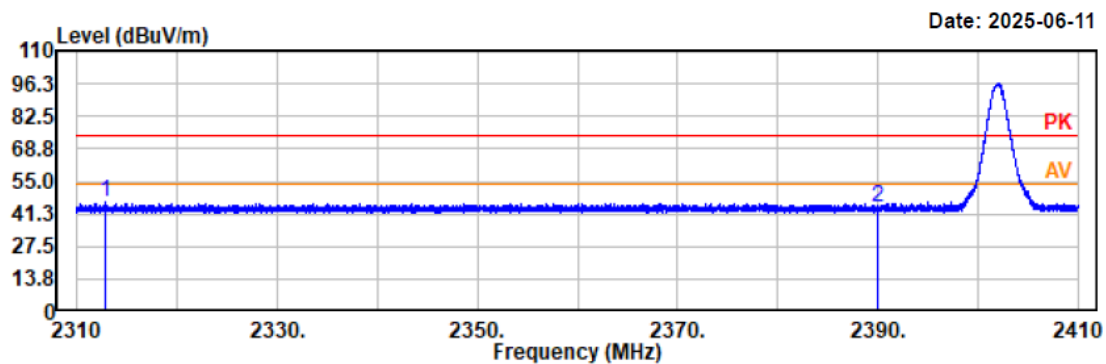
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 20864.40    | 35.62           | 3.56           | 39.18            | 54.00           | 14.82        | vertical | Average |
| 20864.40    | 50.82           | 3.56           | 54.38            | 74.00           | 19.62        | vertical | Peak    |
| 21876.40    | 36.82           | 5.25           | 42.07            | 54.00           | 11.93        | vertical | Average |
| 21876.40    | 50.48           | 5.25           | 55.73            | 74.00           | 18.27        | vertical | Peak    |
| 22831.20    | 36.34           | 5.01           | 41.35            | 54.00           | 12.65        | vertical | Average |
| 22831.20    | 50.53           | 5.01           | 55.54            | 74.00           | 18.46        | vertical | Peak    |

**Restricted Bands Emissions:**

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

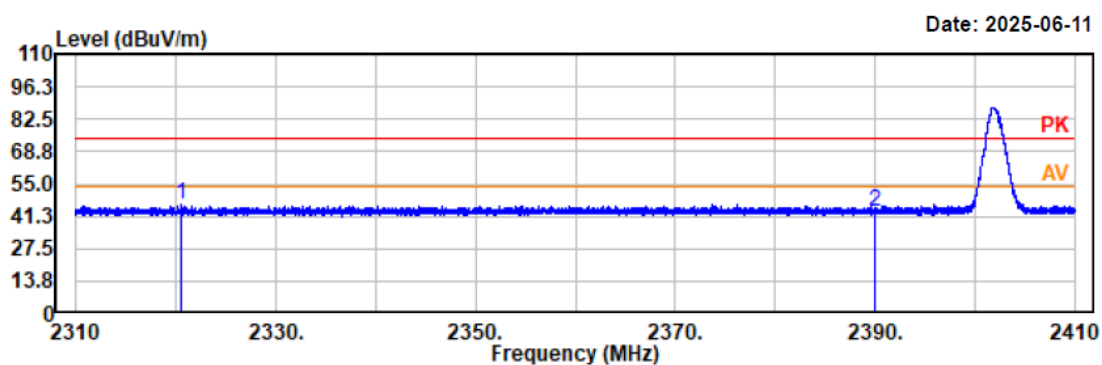


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 2312.84     | 47.56           | -1.39          | 46.17            | 74.00           | 27.83        | horizontal | Peak   |
| 2390.00     | 45.06           | -1.15          | 43.91            | 74.00           | 30.09        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

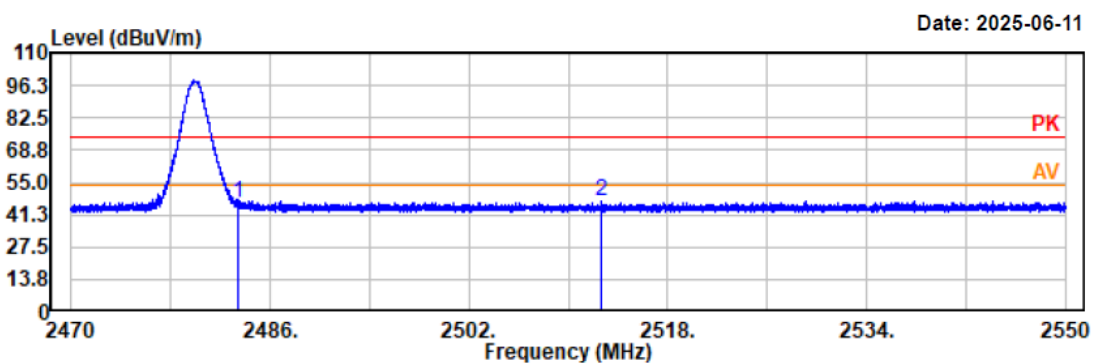


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 2320.55     | 47.44           | -1.38          | 46.06            | 74.00           | 27.94        | vertical | Peak   |
| 2390.00     | 44.28           | -1.15          | 43.13            | 74.00           | 30.87        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

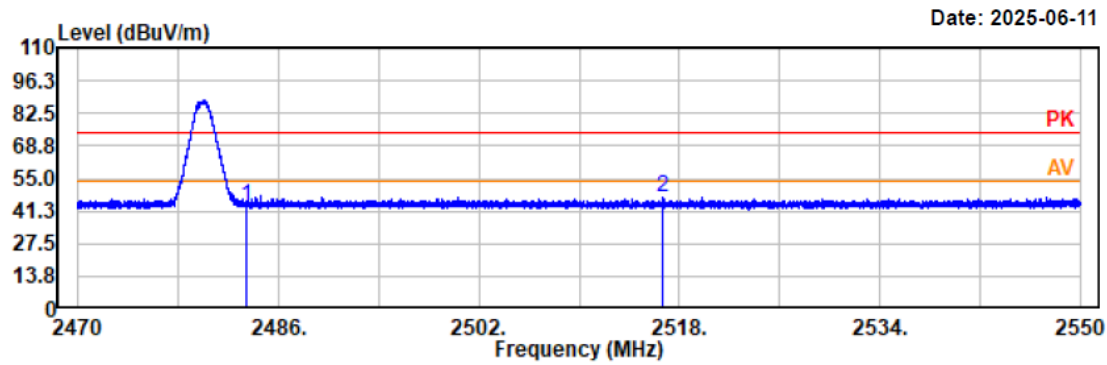


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 2483.50     | 46.68           | -0.77          | 45.91            | 74.00           | 28.09        | horizontal | Peak   |
| 2512.59     | 47.44           | -0.67          | 46.77            | 74.00           | 27.23        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: BDR DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

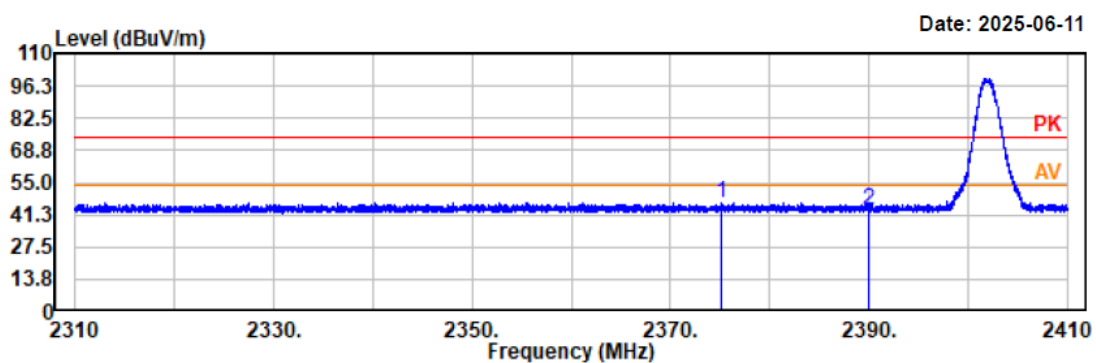


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 2483.50     | 44.32           | -0.77          | 43.55            | 74.00           | 30.45        | vertical | Peak   |
| 2516.71     | 47.62           | -0.67          | 46.95            | 74.00           | 27.05        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

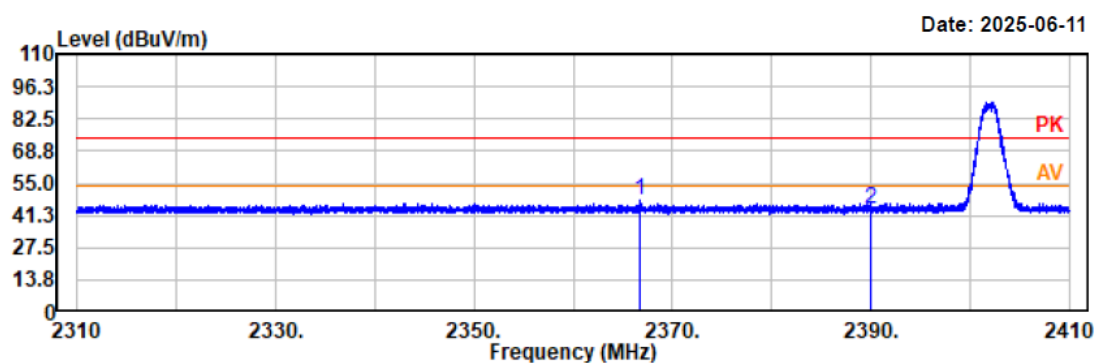


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 2375.14     | 47.85           | -1.22          | 46.63            | 74.00           | 27.37        | horizontal | Peak   |
| 2390.00     | 44.69           | -1.15          | 43.54            | 74.00           | 30.46        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

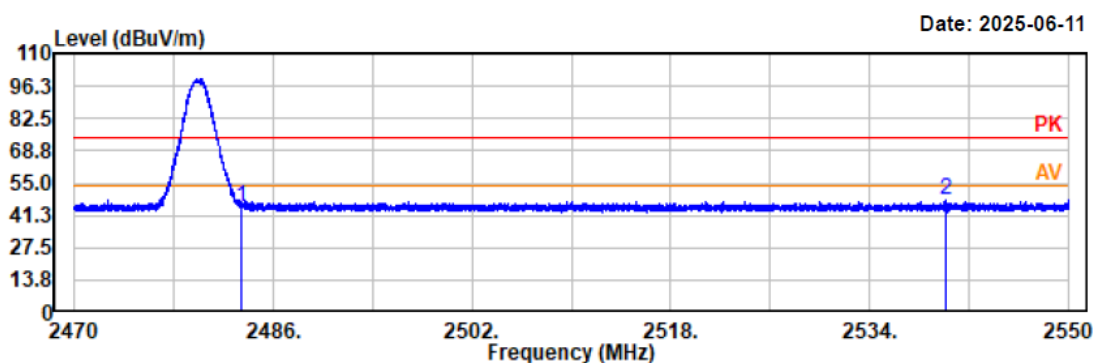


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 2366.70     | 48.97           | -1.24          | 47.73            | 74.00           | 26.27        | vertical | Peak   |
| 2390.00     | 45.16           | -1.15          | 44.01            | 74.00           | 29.99        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

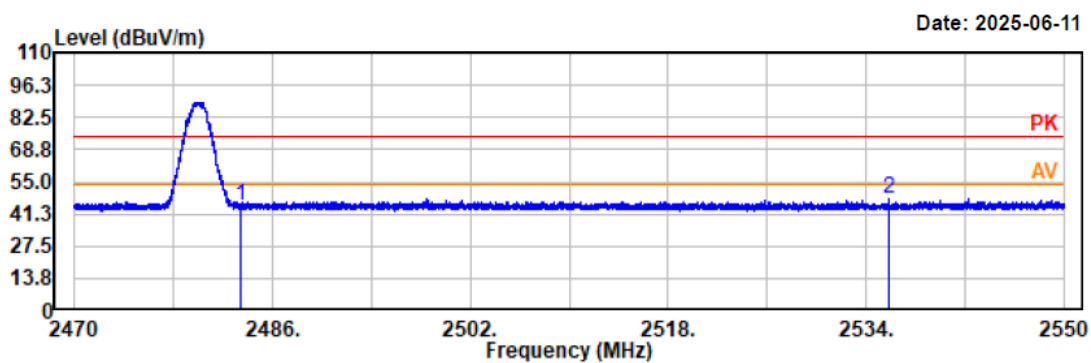


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 2483.50     | 45.38           | -0.77          | 44.61            | 74.00           | 29.39        | horizontal | Peak   |
| 2540.11     | 48.20           | -0.61          | 47.59            | 74.00           | 26.41        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 2DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

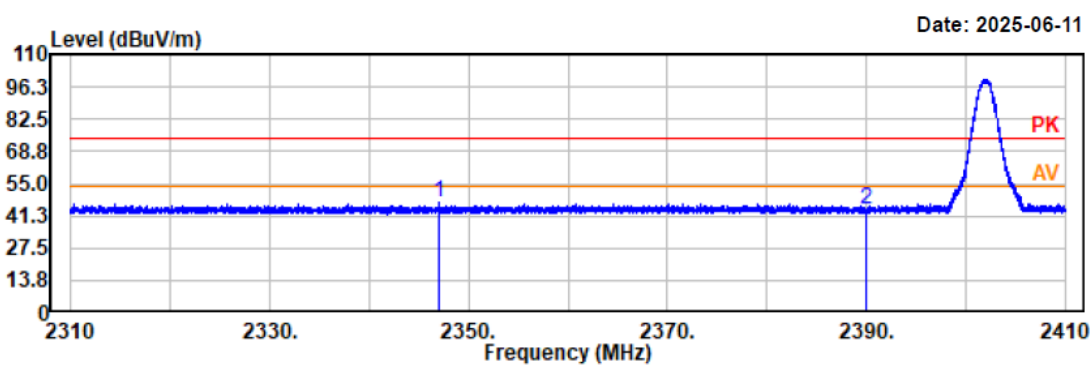


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 2483.50     | 45.70           | -0.77          | 44.93            | 74.00           | 29.07        | vertical | Peak   |
| 2535.80     | 48.55           | -0.62          | 47.93            | 74.00           | 26.07        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

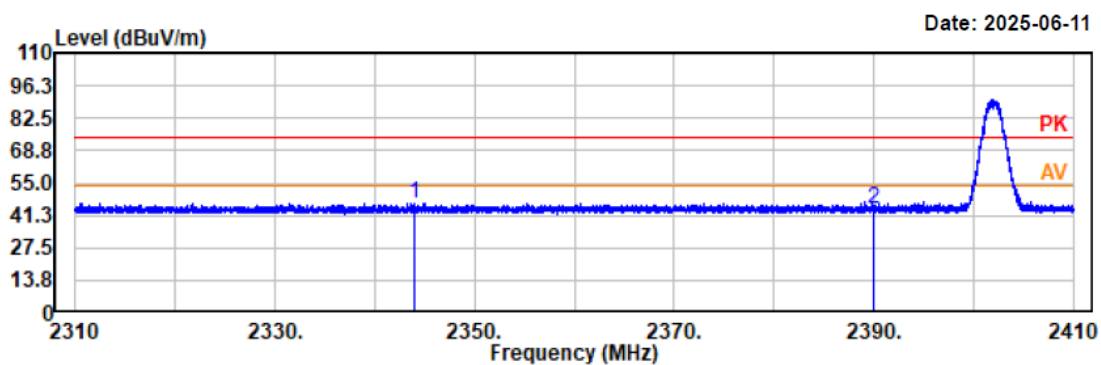


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 2346.96     | 48.23           | -1.33          | 46.90            | 74.00           | 27.10        | horizontal | Peak   |
| 2390.00     | 45.12           | -1.15          | 43.97            | 74.00           | 30.03        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2402MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

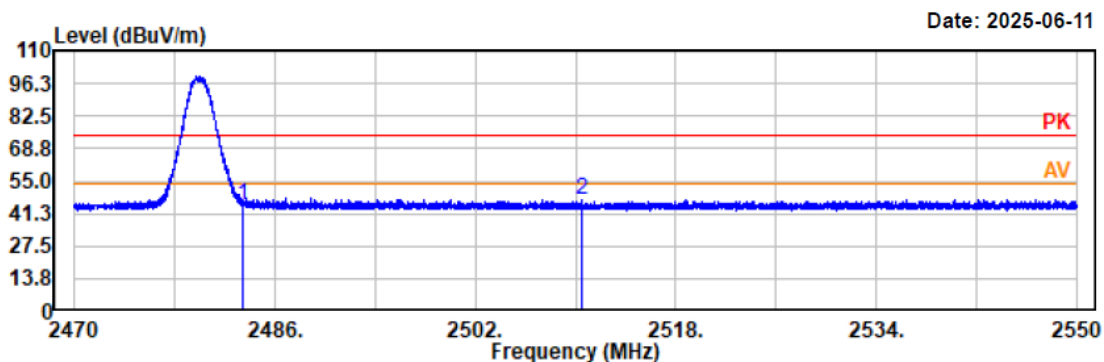


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 2343.95     | 47.76           | -1.33          | 46.43            | 74.00           | 27.57        | vertical | Peak   |
| 2390.00     | 44.99           | -1.15          | 43.84            | 74.00           | 30.16        | vertical | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz

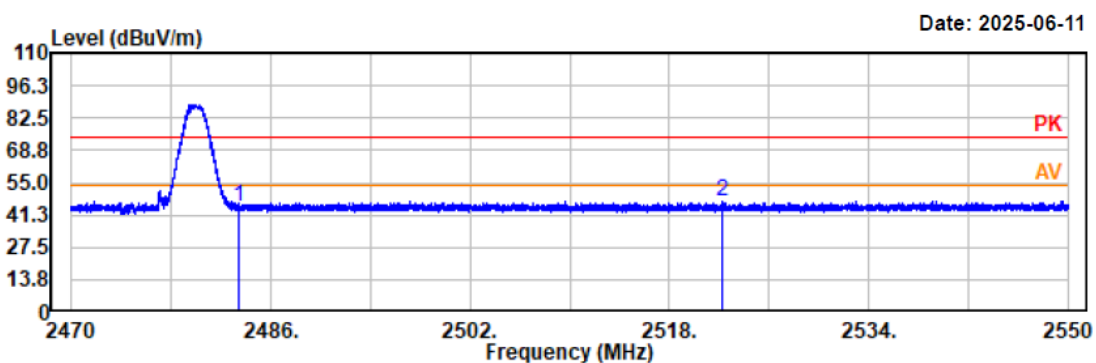


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 2483.50     | 45.68           | -0.77          | 44.91            | 74.00           | 29.09        | horizontal | Peak   |
| 2510.47     | 47.67           | -0.68          | 46.99            | 74.00           | 27.01        | horizontal | Peak   |

Project No.: 2407X35401E-RF  
Test Mode: EDR 3DH1 2480MHz  
EUT Model: YS-TT1MPLUS  
Test distance: 3m

Temp/Humi/ATM: 21.3°C/54%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC 120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 2483.50     | 45.60           | -0.77          | 44.83            | 74.00           | 29.17        | vertical | Peak   |
| 2522.21     | 47.85           | -0.66          | 47.19            | 74.00           | 26.81        | vertical | Peak   |

**FCC §15.247(a) (1) & RSS-247 ISSUE 3 Clause 5.1 b) -CHANNEL SEPARATION TEST**

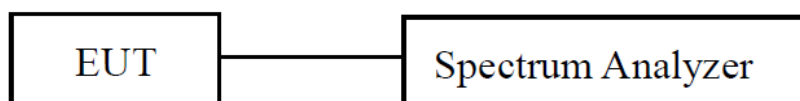
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**Applicable Standard****FCC §15.247 (a)(1)**

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

**RSS-247 ISSUE 3 Clause 5.1 b)**

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

**EUT Setup****Test Procedure**

According to ANSI C63.10-2013 Section 7.8.2

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

- a. Span: Wide enough to capture the peaks of two adjacent channels.
- b. RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.
- c. Video (or average) bandwidth (VBW)  $\geq$  RBW.
- d. Sweep: Auto.
- e. Detector function: Peak.
- f. Trace: Max hold.
- g. Allow the trace to stabilize.

Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A plot of the data shall be included in the test report.

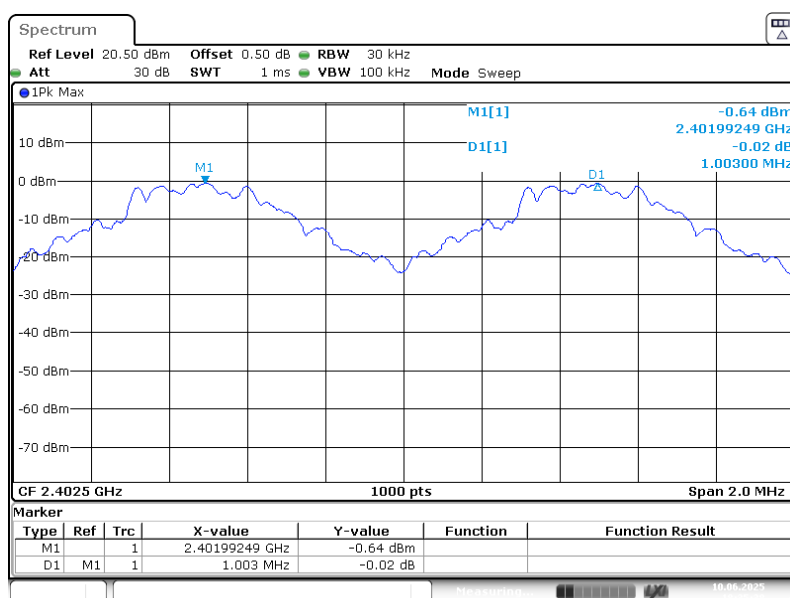
## Test Data

| Test Mode: |         | Transmitting    |                          | Test Engineer: |        | Braylon Ma                                   |  |
|------------|---------|-----------------|--------------------------|----------------|--------|----------------------------------------------|--|
| Test Date: |         | 2025-06-10      |                          | Environment:   |        | Temp.: 24.6°C<br>Humi.: 58%<br>Atm :100.2kPa |  |
| Mode       | Channel | Frequency (MHz) | Channel Separation (MHz) | Limit (MHz)    | Result |                                              |  |
| BDR (GFSK) | Low     | 2402            | 1.003                    | 0.865          | Pass   |                                              |  |
|            | Middle  | 2441            | 1.001                    | 0.871          | Pass   |                                              |  |
|            | High    | 2480            | 1.005                    | 0.865          | Pass   |                                              |  |

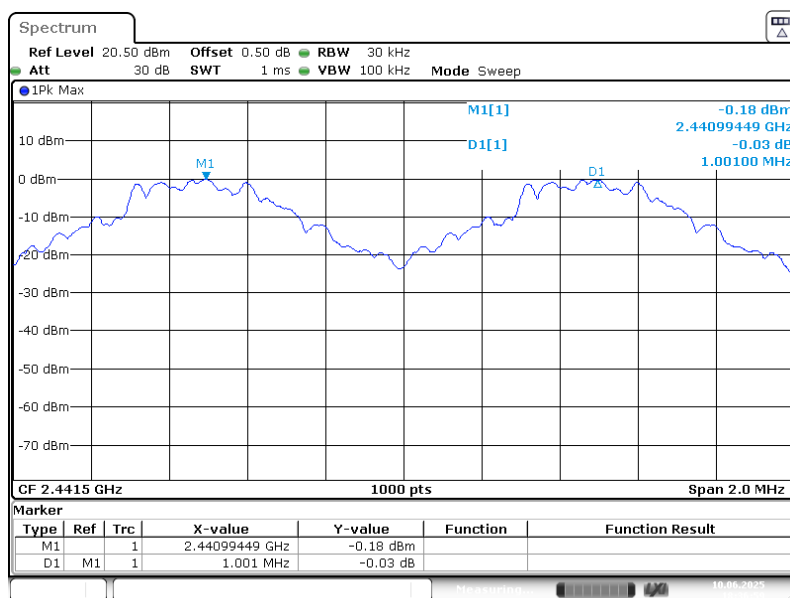
Note:

1. Limit = 20 dB bandwidth\*2/3
2. Only BDR (GFSK) mode result is reported since EDR( $\pi/4$ -DQPSK, 8DPSK) has the same channel plan.

### BDR (GFSK): Low Channel

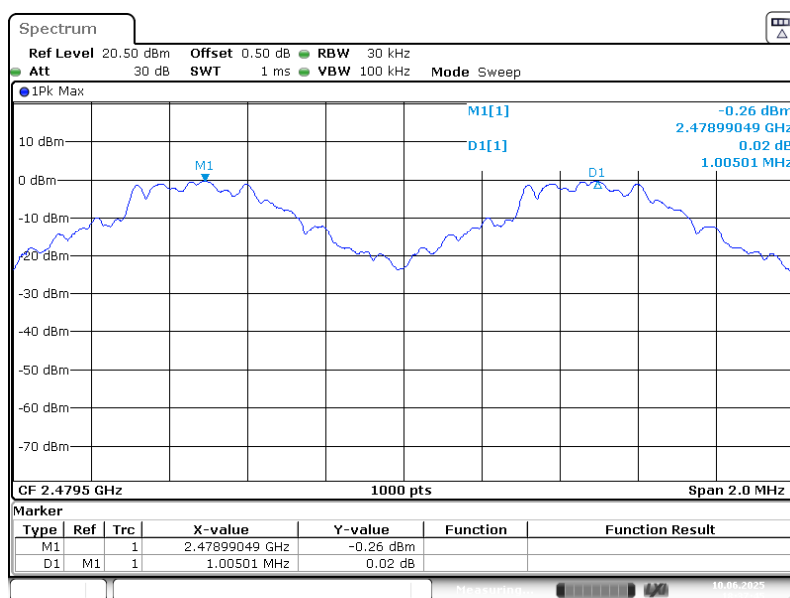


ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 18:35:37

**BDR (GFSK): Middle Channel**

ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 18:36:59

**BDR (GFSK): High Channel**

ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 18:37:45

## FCC §15.247(a) (1) & RSS-247 ISSUE 3 Clause 5.1 b) – 20 dB EMISSION BANDWIDTH

### Applicable Standard

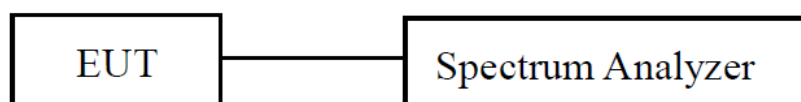
#### FCC §15.247 (a)(1)

Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

#### RSS-247 ISSUE 3 Clause 5.1 b)

Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

### EUT Setup



### Test Procedure

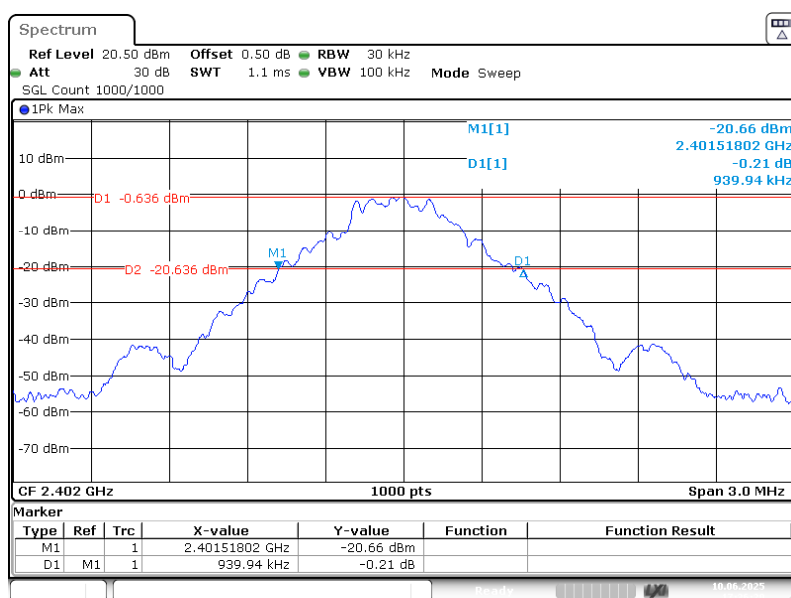
According to ANSI C63.10-2013 Section 6.9.2

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than  $[10 \log (\text{OBW}/\text{RBW})]$  below the reference level. Specific guidance is given in 4.1.5.2
- d) Steps a) through c) might require iteration to adjust within the specified tolerances.
- e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “-xx dB down” requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.
- f) Set detection mode to peak and trace mode to max hold.
- g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
- h) Determine the “-xx dB down amplitude” using  $[(\text{reference value}) - \text{xx}]$ . Alternatively, this calculation may be made by using the marker-delta function of the instrument.
- i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j).

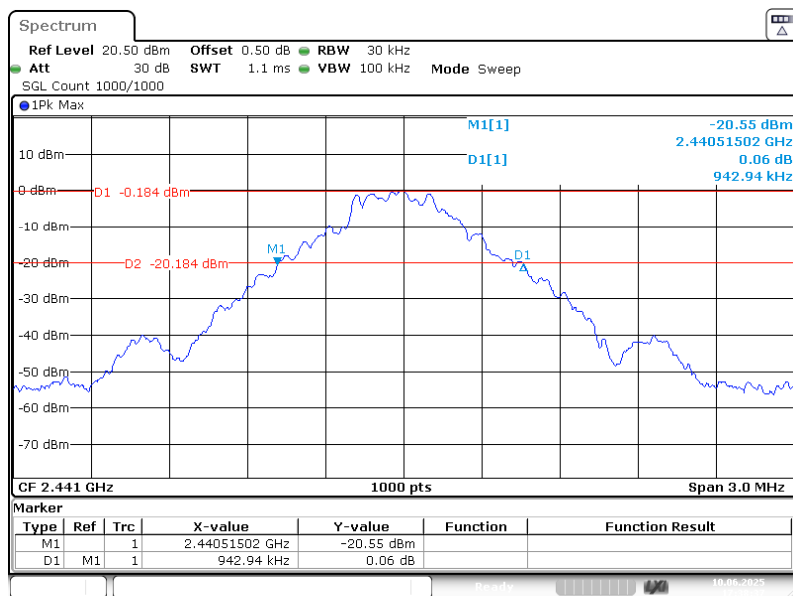
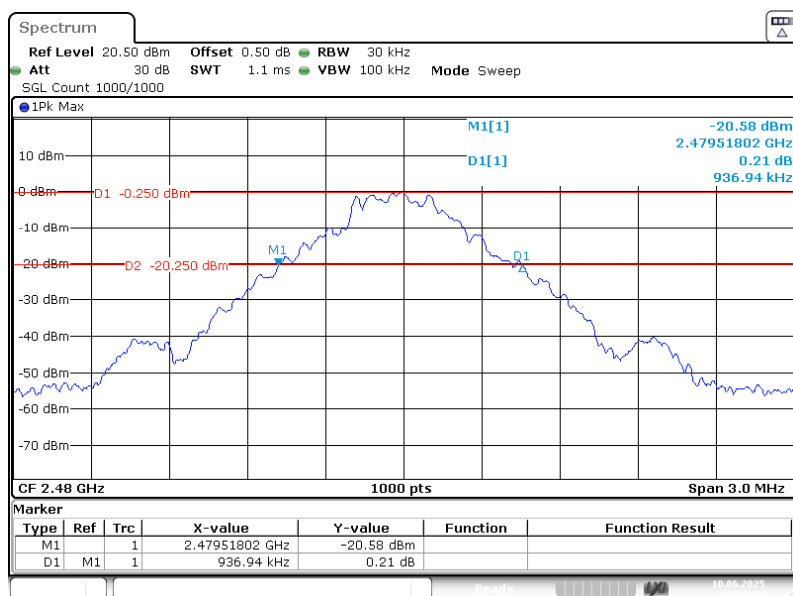
## Test Data

|                       |              |                 |                                              |
|-----------------------|--------------|-----------------|----------------------------------------------|
| Test Mode:            | Transmitting | Test Engineer:  | Braylon Ma                                   |
| Test Date:            | 2025-06-10   | Environment:    | Temp.: 24.6°C<br>Humi.: 58%<br>Atm :100.2kPa |
| Mode                  | Channel      | Frequency (MHz) | 20 dB Emission Bandwidth (MHz)               |
| BDR Mode (GFSK)       | Low          | 2402            | 0.94                                         |
|                       | Middle       | 2441            | 0.943                                        |
|                       | High         | 2480            | 0.937                                        |
| EDR ( $\pi/4$ -DQPSK) | Low          | 2402            | 1.297                                        |
|                       | Middle       | 2441            | 1.306                                        |
|                       | High         | 2480            | 1.297                                        |
| EDR (8DPSK)           | Low          | 2402            | 1.276                                        |
|                       | Middle       | 2441            | 1.276                                        |
|                       | High         | 2480            | 1.276                                        |

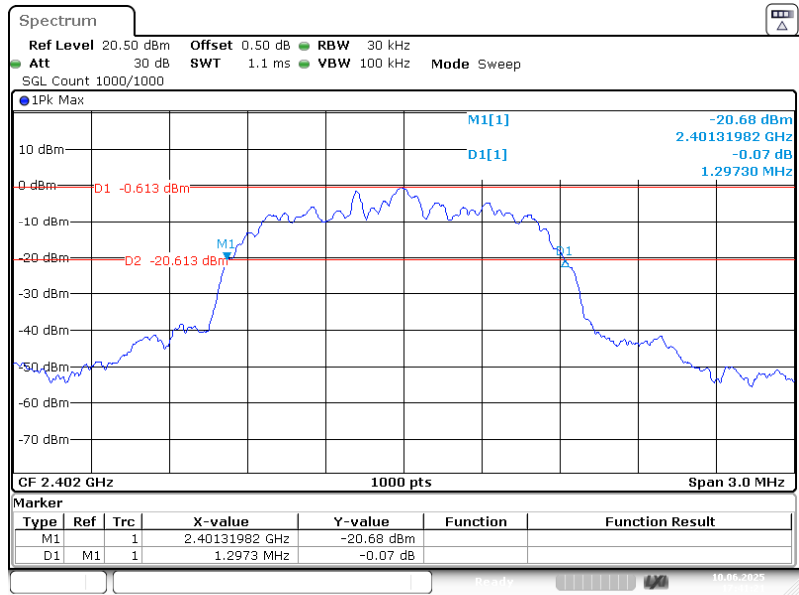
## BDR(GFSK) : Low Channel



ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 17:36:29

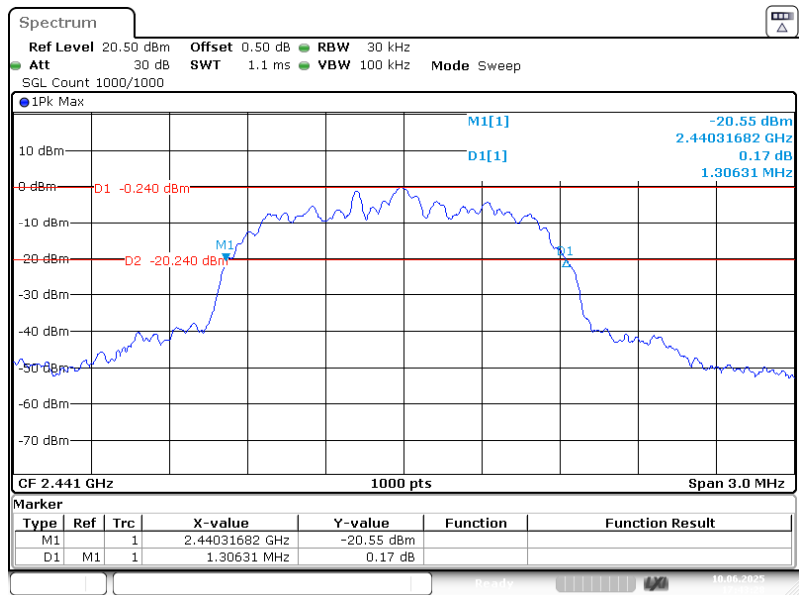
**BDR(GFSK) : Middle Channel****BDR(GFSK) : High Channel**

EDR ( $\pi/4$ -DQPSK): Low Channel

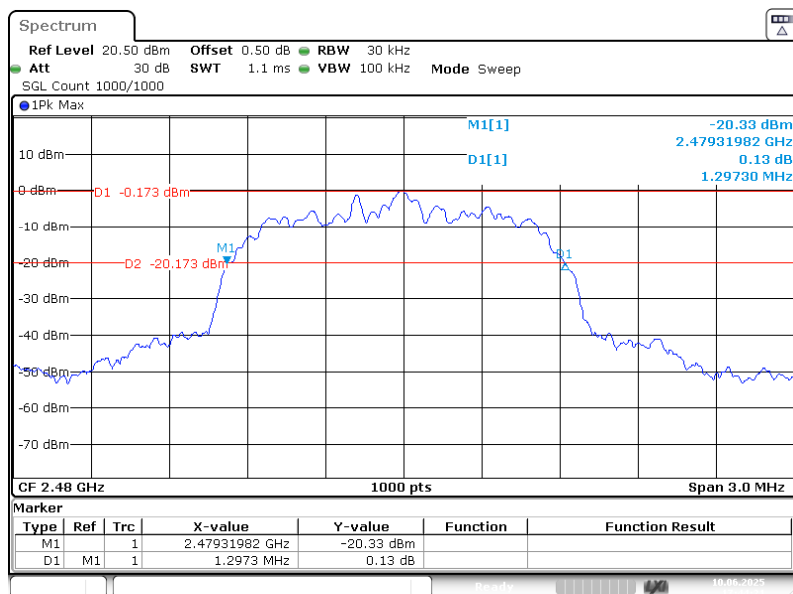


ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 17:41:22

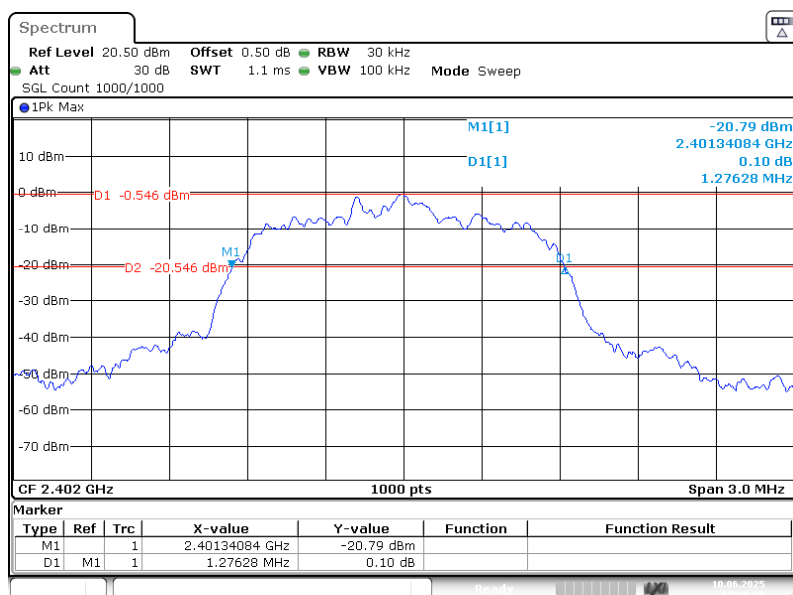
EDR( $\pi/4$ -DQPSK): Middle Channel



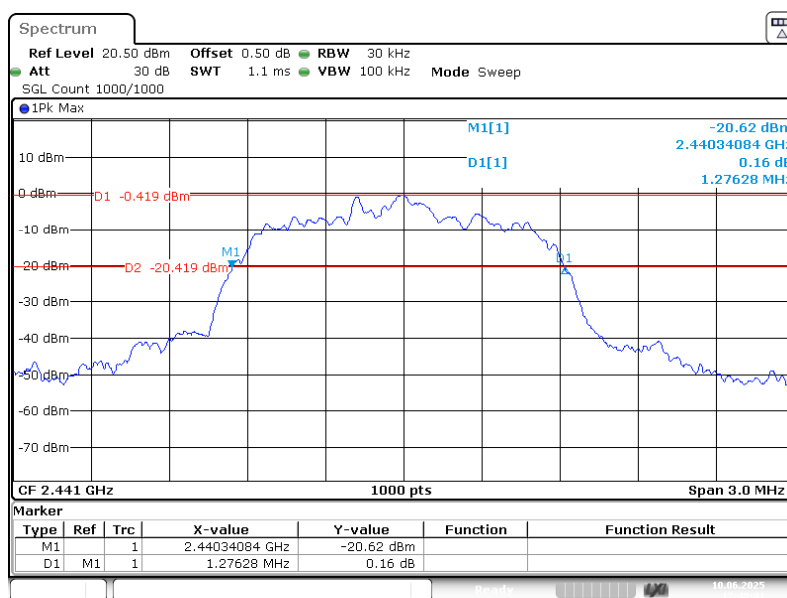
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 17:43:27

EDR ( $\pi/4$ -DQPSK): High Channel

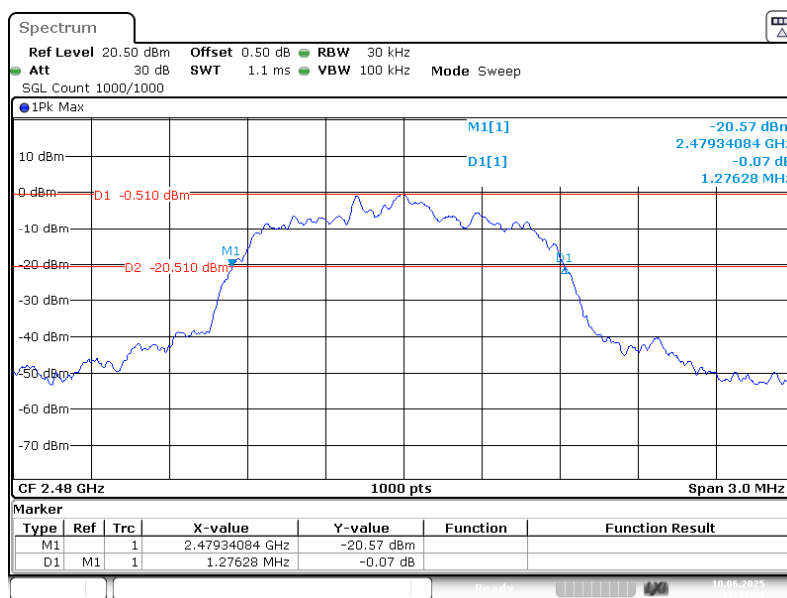
## EDR (8DPSK): Low Channel



## EDR (8DPSK): Middle Channel



## EDR (8DPSK): High Channel



## **RSS-Gen Clause 6.7 99% Occupied Bandwidth**

### **Applicable Standard**

#### **RSS-Gen Clause 6.7**

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

In some cases, the “x dB bandwidth” is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:

The transmitter shall be operated at its maximum carrier power measured under normal test conditions.

The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.

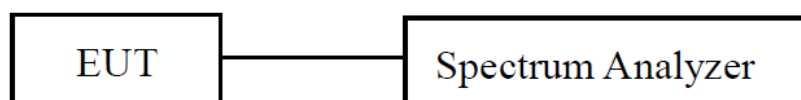
The detector of the spectrum analyzer shall be set to “Sample”. However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or “Max Hold”) may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.

The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

### **EUT Setup**



### **Test Procedure**

According to ANSI C63.10-2013 Section 6.9.3

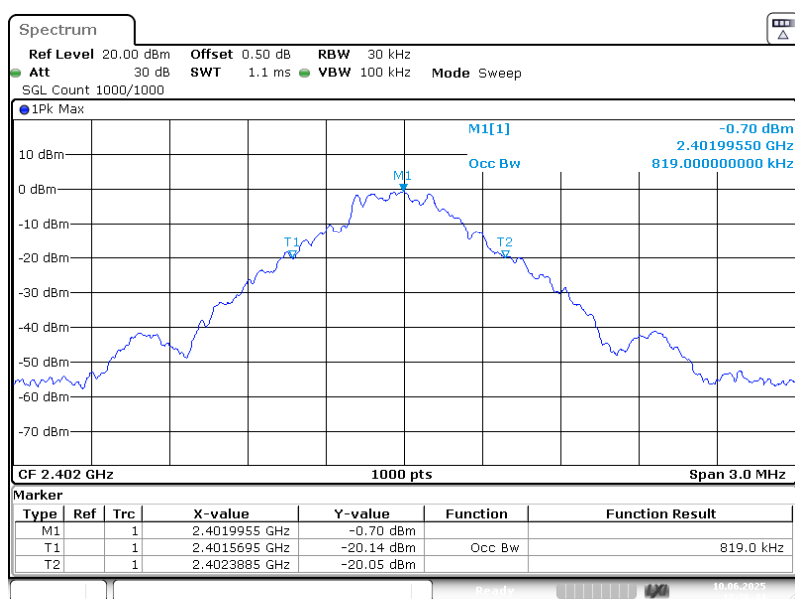
The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than  $[10 \log (\text{OBW}/\text{RBW})]$  below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

## Test Data

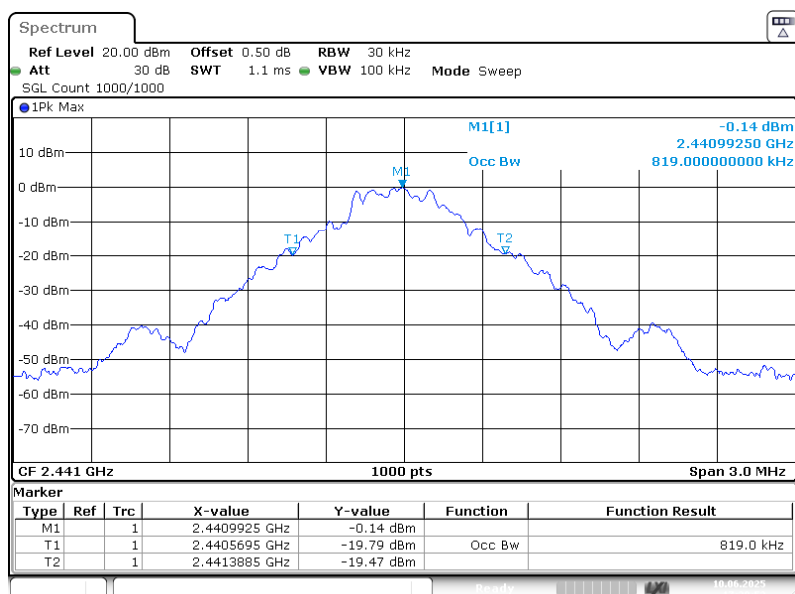
| Test Mode:            | Transmitting | Test Engineer:  | Braylon Ma                                   |
|-----------------------|--------------|-----------------|----------------------------------------------|
| Test Date:            | 2025-06-10   | Environment:    | Temp.: 24.6°C<br>Humi.: 58%<br>Atm :100.2kPa |
| Mode                  | Channel      | Frequency (MHz) | 99% Emission Bandwidth (MHz)                 |
| BDR (GFSK)            | Low          | 2402            | 0.819                                        |
|                       | Middle       | 2441            | 0.819                                        |
|                       | High         | 2480            | 0.822                                        |
| EDR ( $\pi/4$ -DQPSK) | Low          | 2402            | 1.173                                        |
|                       | Middle       | 2441            | 1.167                                        |
|                       | High         | 2480            | 1.17                                         |
| EDR (8DPSK)           | Low          | 2402            | 1.158                                        |
|                       | Middle       | 2441            | 1.158                                        |
|                       | High         | 2480            | 1.161                                        |

## BDR (GFSK): Low Channel



ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 17:36:44

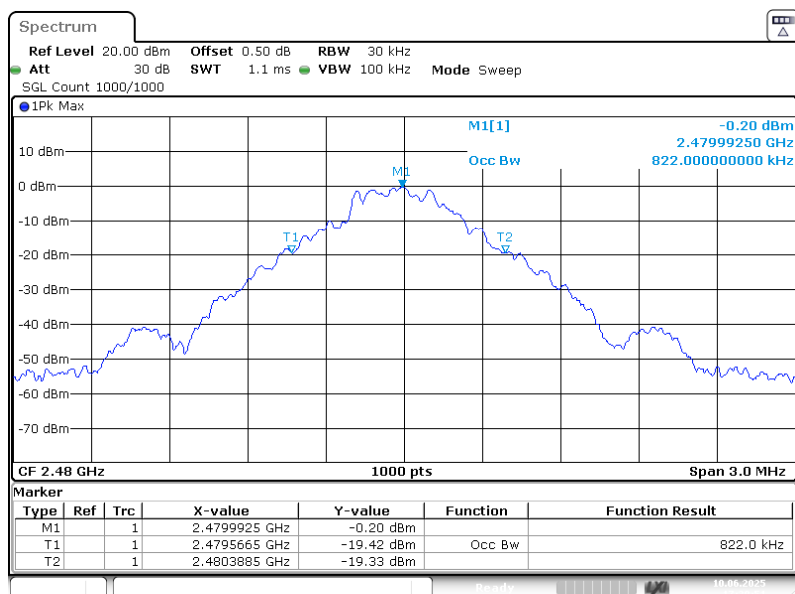
## BDR (GFSK): Middle Channel



ProjectNo.:2407X35401E-RF Tester:Braylon Ma

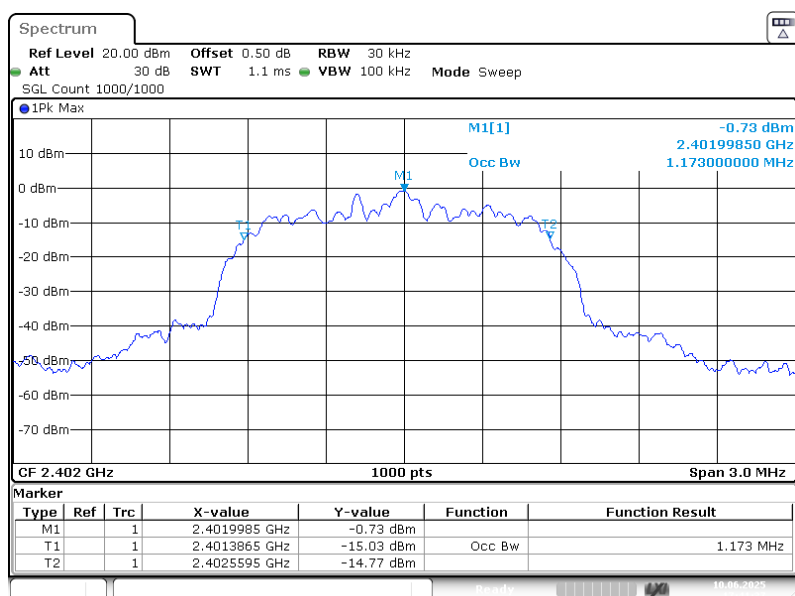
Date: 10.JUN.2025 17:38:53

## BDR (GFSK): High Channel



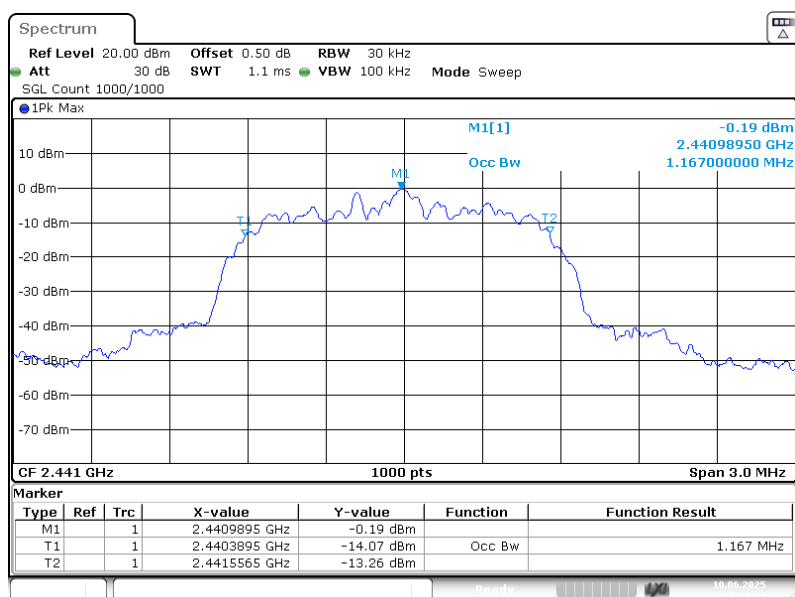
ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 17:39:50

EDR ( $\pi/4$ -DQPSK): Low Channel

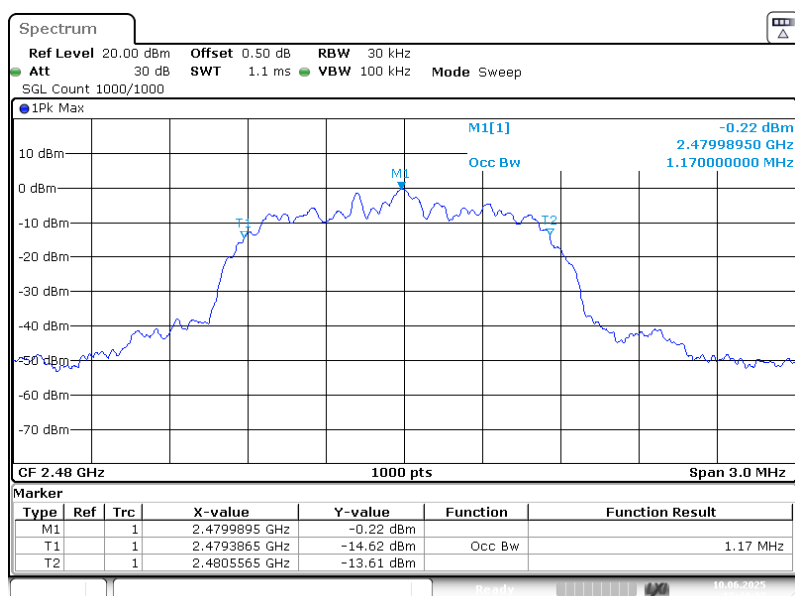
ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 17:41:37

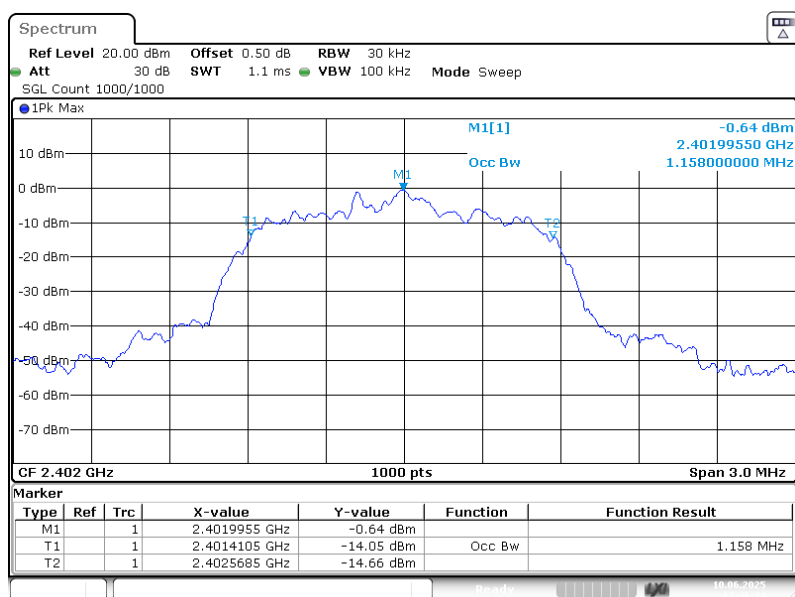
EDR ( $\pi/4$ -DQPSK): Middle Channel

ProjectNo.:2407X35401E-RF Tester:Braylon Ma

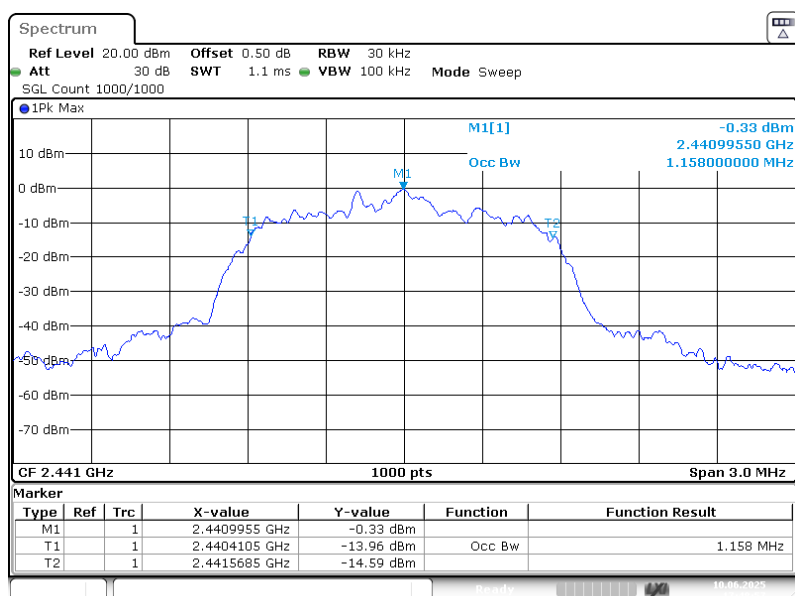
Date: 10.JUN.2025 17:43:43

EDR ( $\pi/4$ -DQPSK):High Channel

## EDR (8DPSK):Low Channel



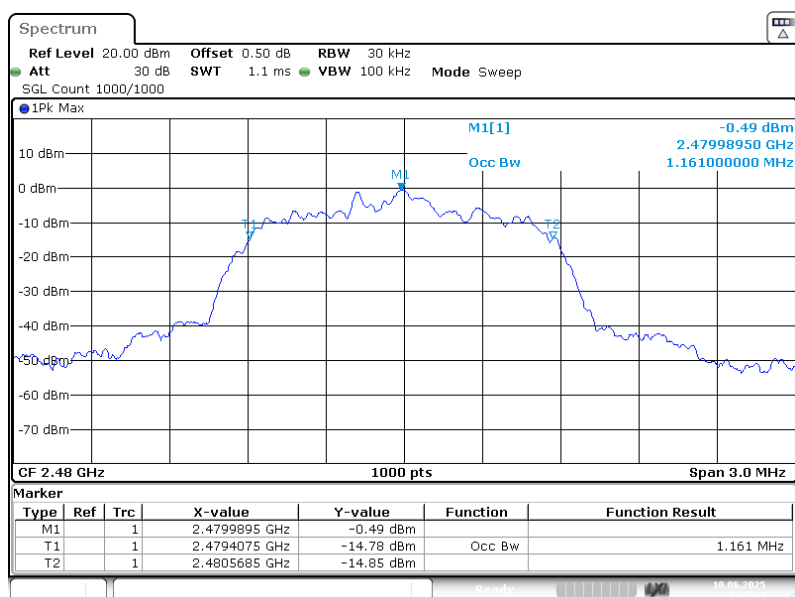
## EDR (8DPSK):Middle Channel



ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 17:48:56

## EDR (8DPSK):High Channel



ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 17:49:46

## FCC §15.247(a) (1) (iii) & RSS-247 Clause 5.1 d) -QUANTITY OF HOPPING CHANNEL TEST

### Applicable Standard

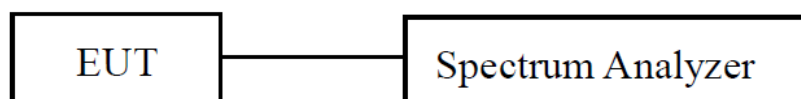
#### FCC §15.247(a) (1) (iii)

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

#### RSS-247 Clause 5.1 d)

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

### EUT Setup



### Test Procedure

According to ANSI C63.10-2013 Section 7.8.3

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

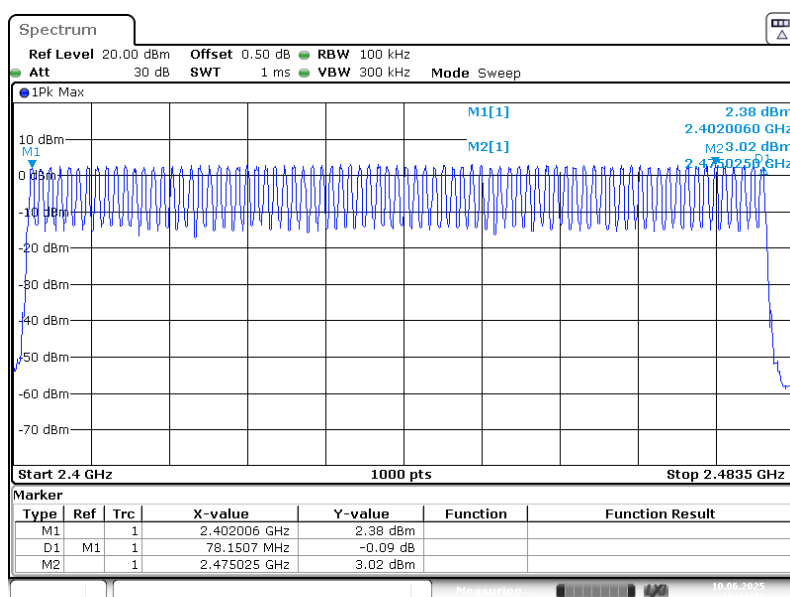
- Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen.
- RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.
- VBW  $\geq$  RBW.
- Sweep: Auto.
- Detector function: Peak.
- Trace: Max hold.
- Allow the trace to stabilize.

It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A plot of the data shall be included in the test report.

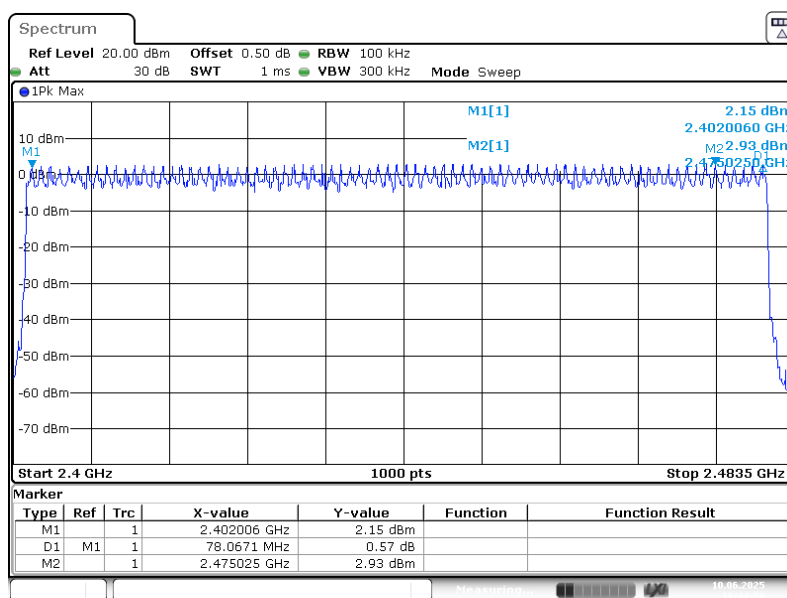
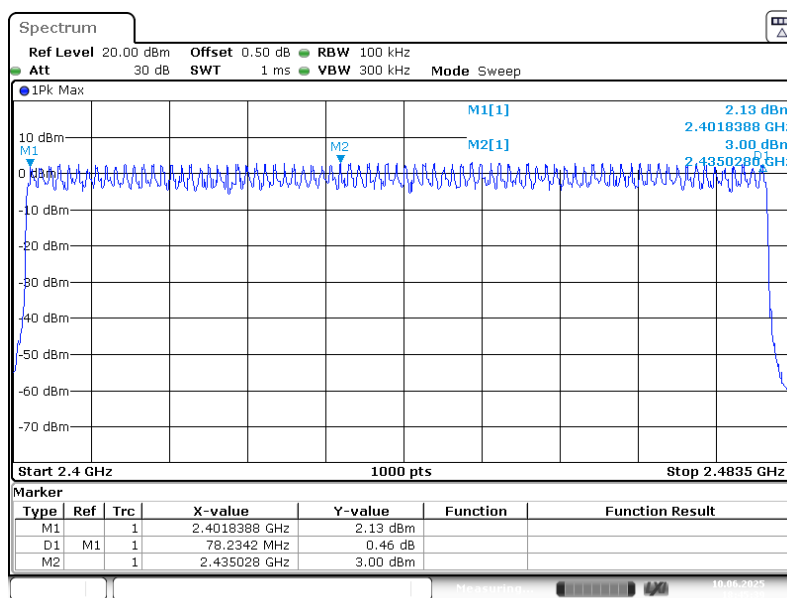
## Test Data

|                 |                       |                                |                                              |
|-----------------|-----------------------|--------------------------------|----------------------------------------------|
| Test Mode:      | Transmitting          | Test Engineer:                 | Braylon Ma                                   |
| Test Date:      | 2025-06-10            | Environment:                   | Temp.: 24.6°C<br>Humi.: 58%<br>Atm :100.2kPa |
| Mode            | Frequency Range (MHz) | Number of Hopping Channel (CH) | Limit (CH)                                   |
| BDR (GFSK)      | 2400-2483.5           | 79                             | ≥15                                          |
| EDR (π/4-DQPSK) | 2400-2483.5           | 79                             | ≥15                                          |
| EDR (8DPSK)     | 2400-2483.5           | 79                             | ≥15                                          |

## BDR (GFSK): Number of Hopping Channels



ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 18:43:43

**EDR ( $\pi/4$ -DQPSK): Number of Hopping Channels****EDR (8DPSK): Number of Hopping Channels**

## FCC §15.247(a) (1) (iii) & RSS-247 ISSUE 3 Clause 5.1 d)- TIME OF OCCUPANCY (DWELL TIME)

### Applicable Standard

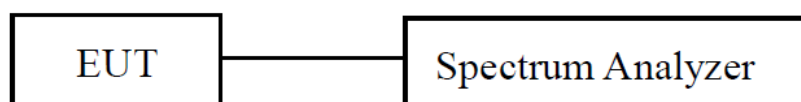
#### FCC §15.247(a) (1) (iii)

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

#### RSS-247 ISSUE 3 Clause 5.1 d)

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

### EUT Setup



### Test Procedure

According to ANSI C63.10-2013 Section 7.8.4

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

- a) Span: Zero span, centered on a hopping channel.
- b) RBW shall be  $\leq$  channel spacing and where possible RBW should be set  $\gg 1/T$ , where T is the expected dwell time per channel.
- c) Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel.
- d) Detector function: Peak.
- e) Trace: Max hold.

Use the marker-delta function to determine the transmit time per hop. If this value varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation in transmit time.

Repeat the measurement using a longer sweep time to determine the number of hops over the period specified in the requirements. The sweep time shall be equal to, or less than, the period specified in the requirements.

Determine the number of hops over the sweep time and calculate the total number of hops in the period specified in the requirements, using the following equation:

(Number of hops in the period specified in the requirements) = (number of hops on spectrum analyzer)  $\times$  (period specified in the requirements / analyzer sweep time)

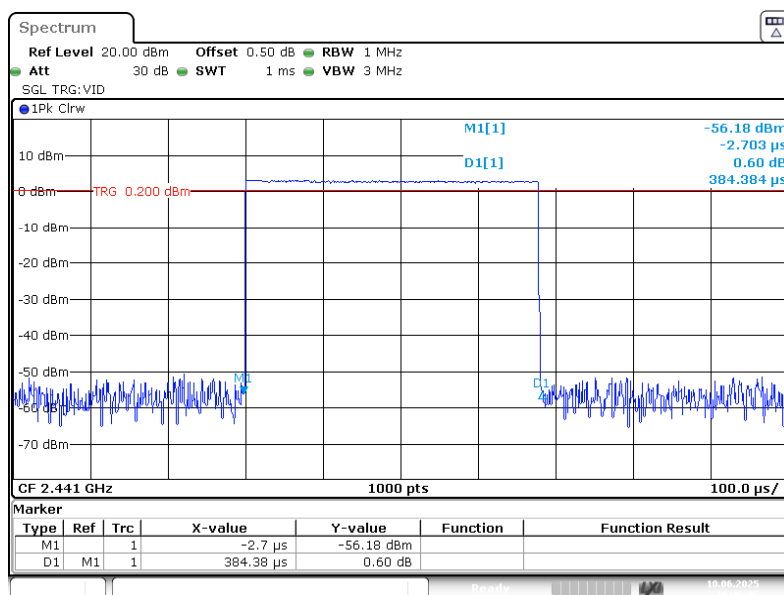
The average time of occupancy is calculated from the transmit time per hop multiplied by the number of hops in the period specified in the requirements. If the number of hops in a specific time varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation.

The measured transmit time and time between hops shall be consistent with the values described in the operational description for the EUT.

## Test Data

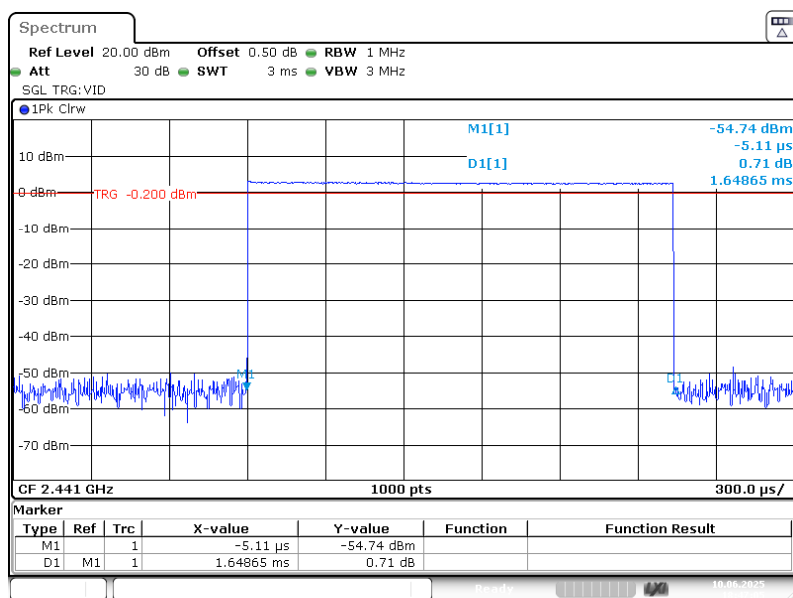
|                                                                                                                                                                                                    |             |                      |                  |                |           |                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|------------------|----------------|-----------|----------------------------------------------|--|
| Test Mode:                                                                                                                                                                                         |             | Transmitting         |                  | Test Engineer: |           | Braylon Ma                                   |  |
| Test Date:                                                                                                                                                                                         |             | 2025-06-10           |                  | Environment:   |           | Temp.: 24.6°C<br>Humi.: 58%<br>Atm :100.2kPa |  |
| Test Modes                                                                                                                                                                                         | Packet Type | Test Frequency (MHz) | Pulse width (ms) | Result (s)     | Limit (s) |                                              |  |
| BDR Mode (GFSK)                                                                                                                                                                                    | DH1         | 2441                 | 0.384            | 0.123          | 0.400     |                                              |  |
|                                                                                                                                                                                                    | DH3         | 2441                 | 1.649            | 0.264          | 0.400     |                                              |  |
|                                                                                                                                                                                                    | DH5         | 2441                 | 2.903            | 0.310          | 0.400     |                                              |  |
| EDR Mode (π/4-DQPSK)                                                                                                                                                                               | 2DH1        | 2441                 | 0.398            | 0.127          | 0.400     |                                              |  |
|                                                                                                                                                                                                    | 2DH3        | 2441                 | 1.658            | 0.265          | 0.400     |                                              |  |
|                                                                                                                                                                                                    | 2DH5        | 2441                 | 2.913            | 0.311          | 0.400     |                                              |  |
| EDR Mode (8DPSK)                                                                                                                                                                                   | 3DH1        | 2441                 | 0.398            | 0.127          | 0.400     |                                              |  |
|                                                                                                                                                                                                    | 3DH3        | 2441                 | 1.658            | 0.265          | 0.400     |                                              |  |
|                                                                                                                                                                                                    | 3DH5        | 2441                 | 2.913            | 0.311          | 0.400     |                                              |  |
| DH1/2DH1/3DH1:Dwell time=Pulse time (ms) × (1600/2/79) ×31.6 s<br>DH3/2DH3/3DH3:Dwell time=Pulse time (ms) × (1600/4/79) ×31.6 s<br>DH5/2DH5/3DH5:Dwell time=Pulse time (ms) × (1600/6/79) ×31.6 s |             |                      |                  |                |           |                                              |  |

## BDR (GFSK)\_Hopping\_DH1



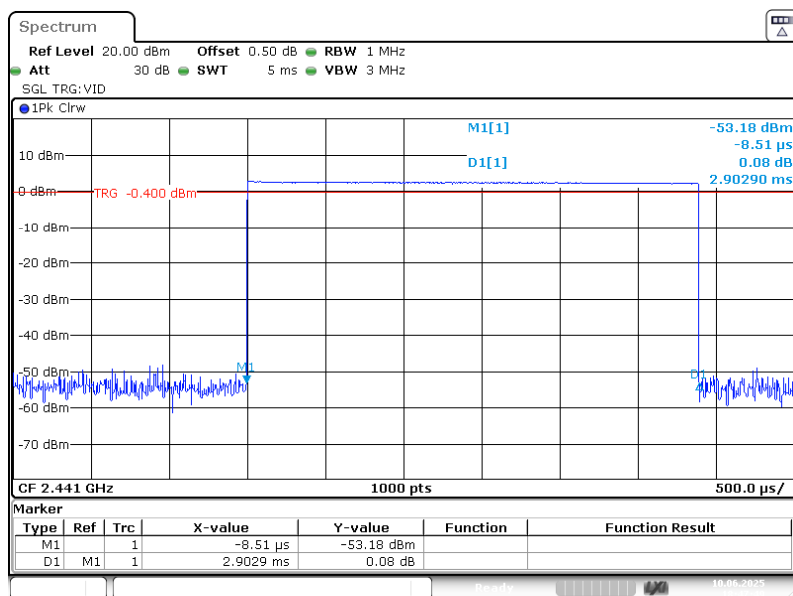
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 18:46:35

### BDR (GFSK)\_Hopping\_DH3

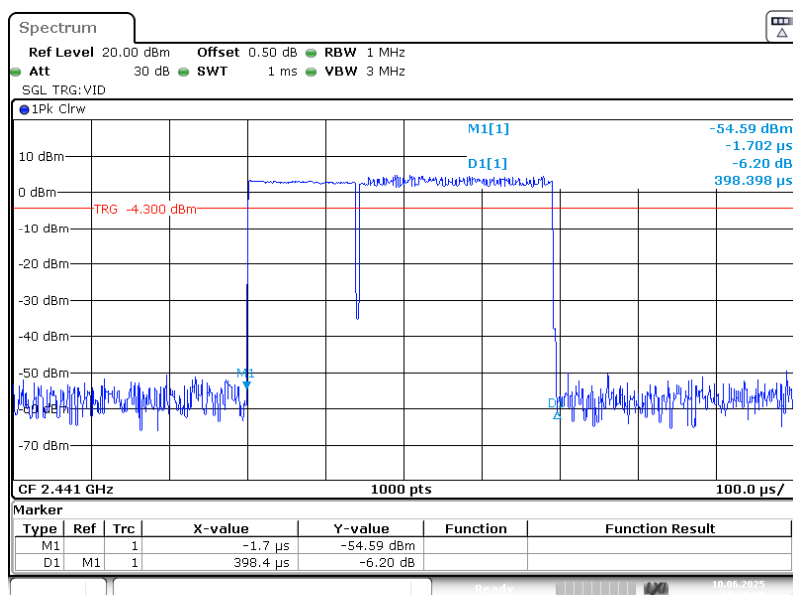
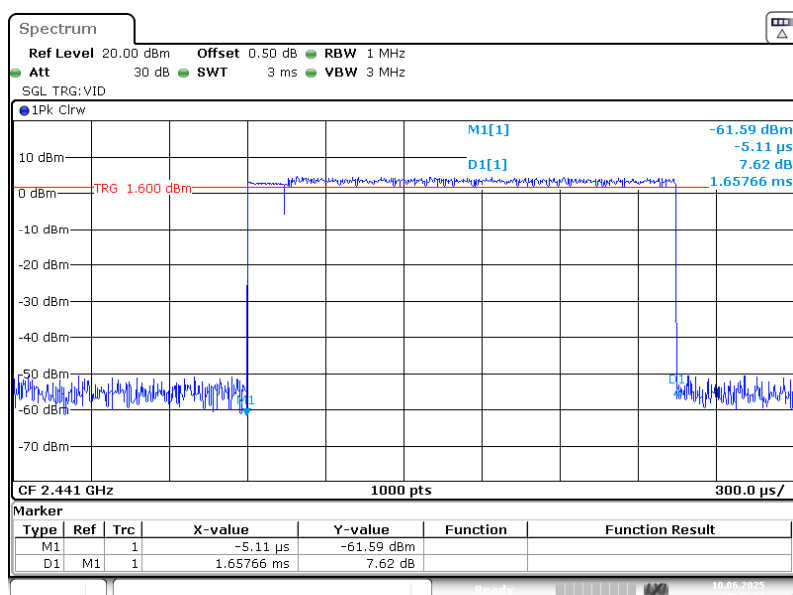


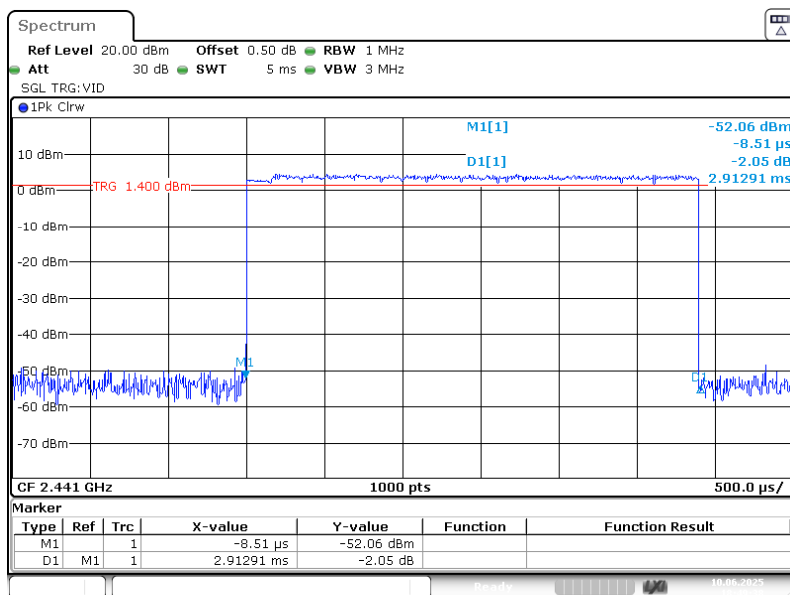
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 18:47:05

### BDR (GFSK)\_Hopping\_DH5



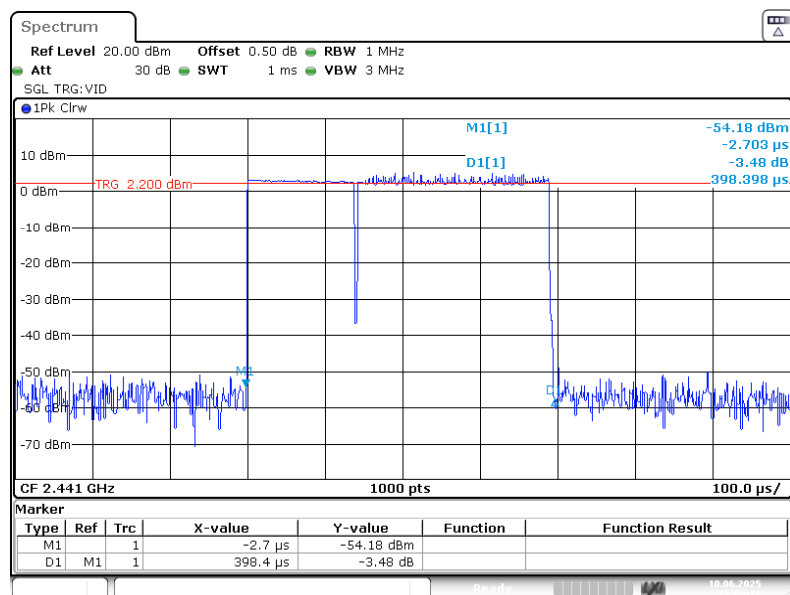
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 18:47:49

EDR ( $\pi/4$ -DQPSK)\_Hopping\_2DH1EDR ( $\pi/4$ -DQPSK)\_Hopping\_2DH3

EDR ( $\pi/4$ -DQPSK)\_Hopping\_2DH5

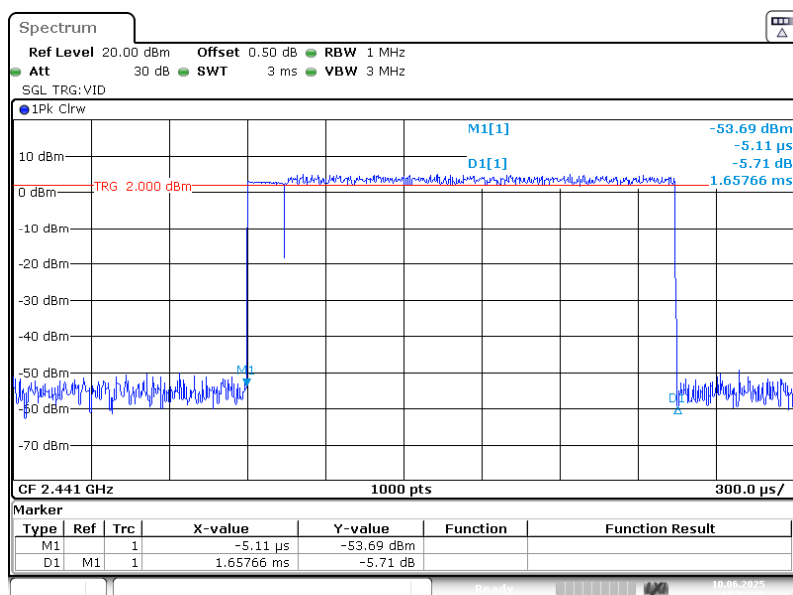
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 18:49:37

## EDR (8DPSK)\_Hopping\_3DH1



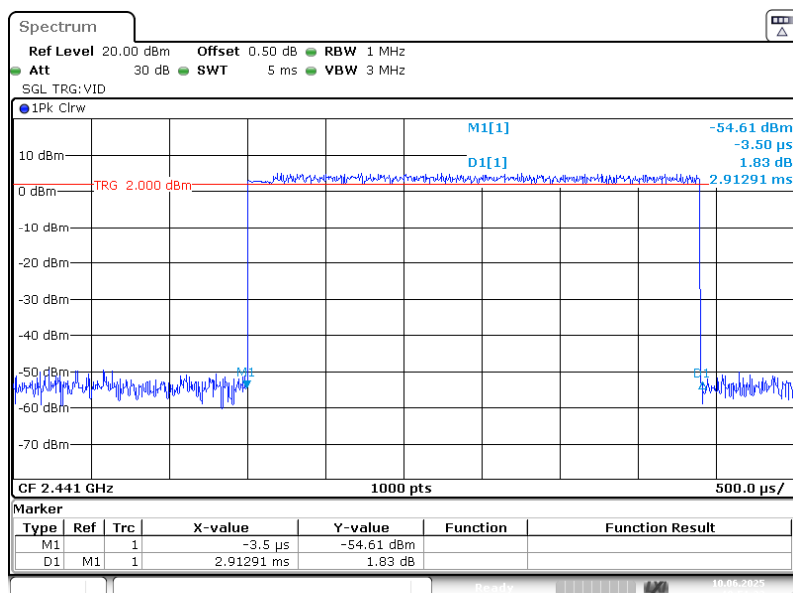
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 18:50:15

## EDR (8DPSK) \_Hopping\_3DH3



ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 18:51:04

## EDR (8DPSK) \_Hopping\_3DH5



ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 18:51:31

## FCC §15.247(b) (1) & RSS-247 ISSUE 3 Clause 5.4 b) - PEAK OUTPUT POWER MEASUREMENT

### Applicable Standard

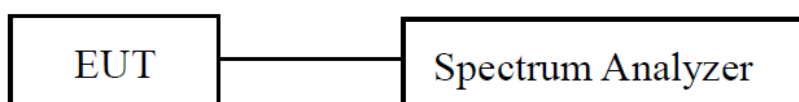
#### FCC§15.247(b) (1)

For frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. And for all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

#### According to RSS-247 ISSUE 3 Clause 5.4 b)

For FHSs operating in the band 2400–2483.5 MHz, the maximum peak conducted output power shall not exceed 1.0 W if the hopset uses 75 or more hopping channels; the maximum peak conducted output power shall not exceed 0.125 W if the hopset uses less than 75 hopping channels. The e.i.r.p. shall not exceed 4 W, except as provided in section 5.4(e).

### EUT Setup



### Test Procedure

According to ANSI C63.10-2013 Section 7.8.5

This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation, Offset the Insertion loss of the RF cable, DC Block/ Attenuator into the spectrum analyzer.

The hopping shall be disabled for this test:

a) Use the following spectrum analyzer settings:

- 1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
- 2) RBW > 20 dB bandwidth of the emission being measured.
- 3) VBW ≥ RBW.
- 4) Sweep: Auto.
- 5) Detector function: Peak.
- 6) Trace: Max hold.

b) Allow trace to stabilize.

c) Use the marker-to-peak function to set the marker to the peak of the emission.

d) The indicated level is the peak output power, after any corrections for external attenuators and cables.

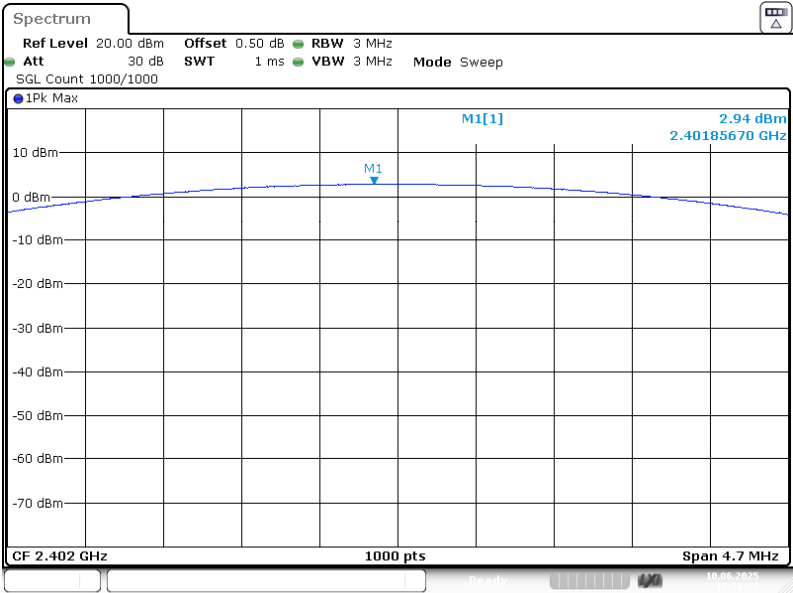
e) A plot of the test results and setup description shall be included in the test report.

NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.

Test Data

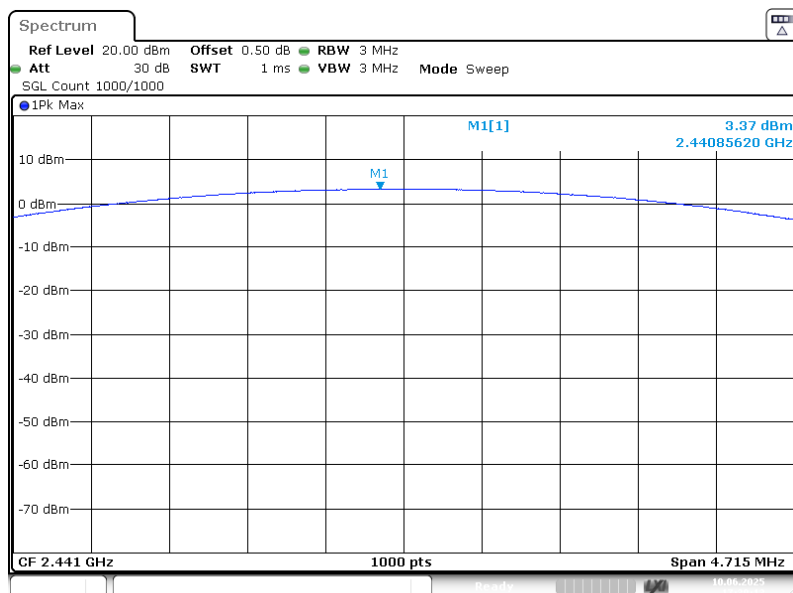
|                                |                 |                                   |                                              |
|--------------------------------|-----------------|-----------------------------------|----------------------------------------------|
| Test Mode:                     | Transmitting    | Test Engineer:                    | Braylon Ma                                   |
| Test Date:                     | 2025-06-10      | Environment:                      | Temp.: 24.6°C<br>Humi.: 58%<br>Atm :100.2kPa |
| Mode                           | Frequency (MHz) | Peak Conducted Output Power (dBm) | Limit (dBm)                                  |
| BDR (GFSK)                     | 2402            | 2.94                              | 21                                           |
|                                | 2441            | 3.37                              | 21                                           |
|                                | 2480            | 3.3                               | 21                                           |
| EDR ( $\pi/4$ -DQPSK)          | 2402            | 5.02                              | 21                                           |
|                                | 2441            | 5.5                               | 21                                           |
|                                | 2480            | 5.22                              | 21                                           |
| EDR (8DPSK)                    | 2402            | 5.3                               | 21                                           |
|                                | 2441            | 5.78                              | 21                                           |
|                                | 2480            | 5.67                              | 21                                           |
| Antenna Gain(dBi):             | 3.71            | Max.EIRP(dBm):                    | 9.49                                         |
| EIRP Limit for RSS-247: 36 dBm |                 |                                   |                                              |

BDR(GFSK): 2402MHz



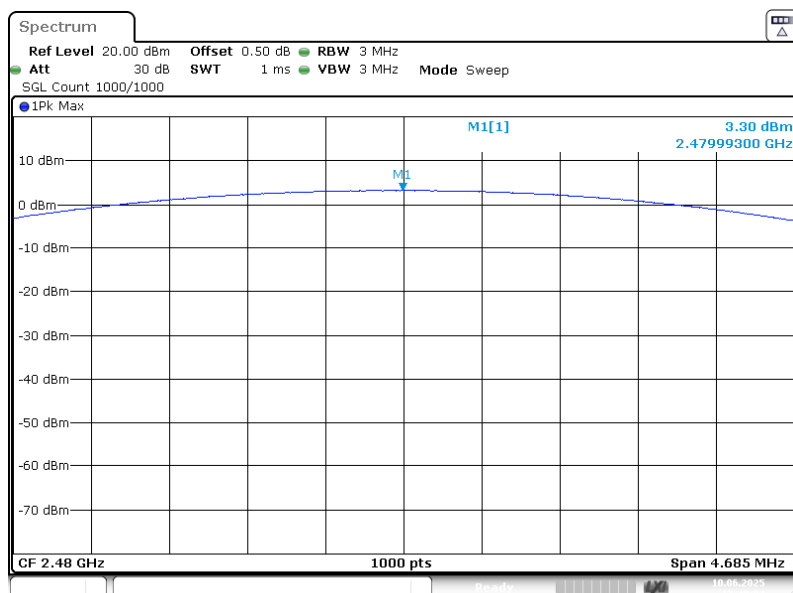
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 17:36:57

### BDR(GFSK): 2441MHz



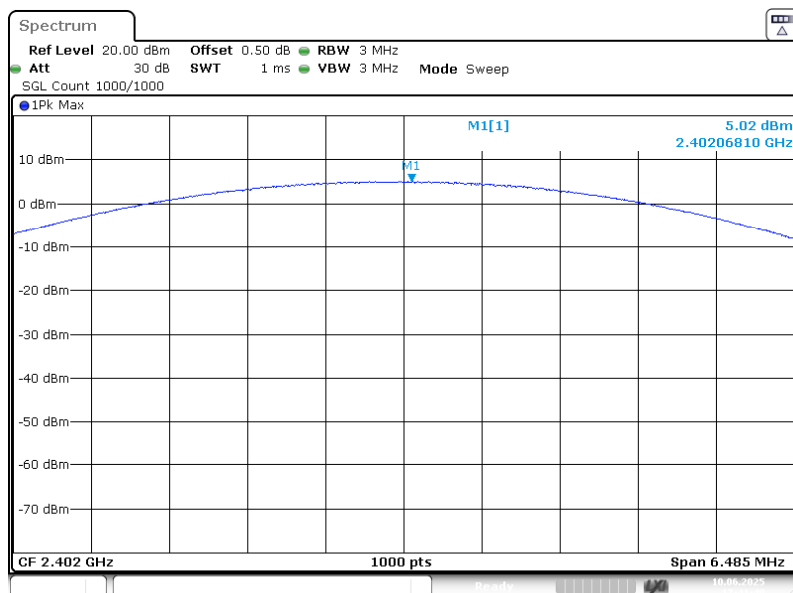
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 17:39:12

### BDR(GFSK): 2480MHz



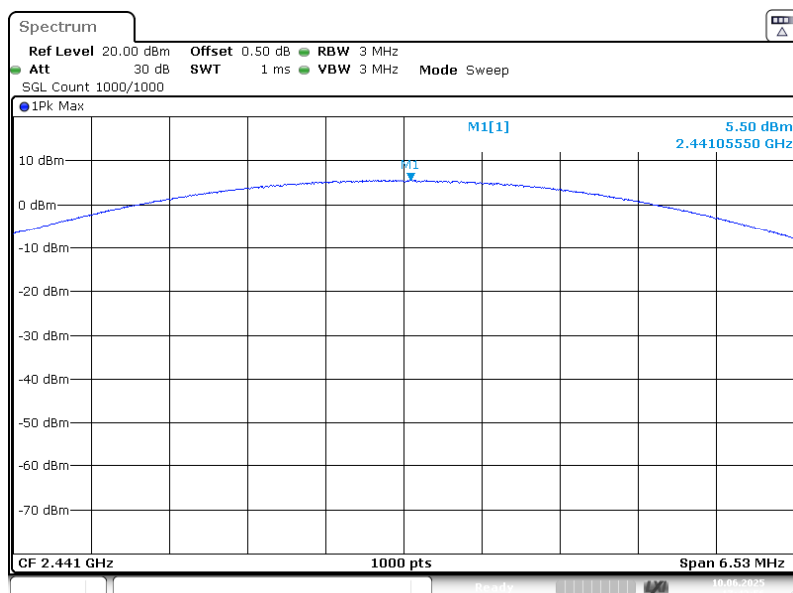
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 17:40:03

### EDR( $\pi/4$ -DQPSK): 2402MHz



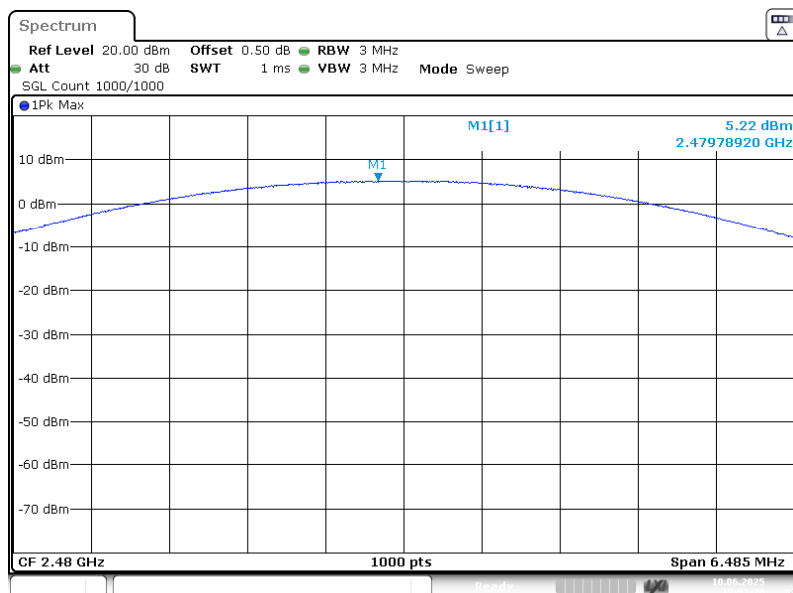
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 17:41:50

### EDR( $\pi/4$ -DQPSK): 2441MHz



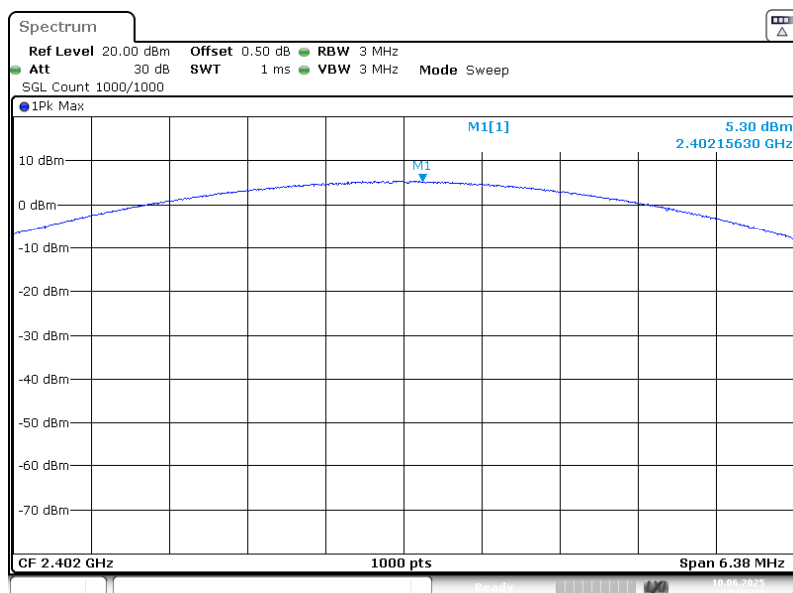
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 17:43:55

### EDR( $\pi/4$ -DQPSK): 2480MHz



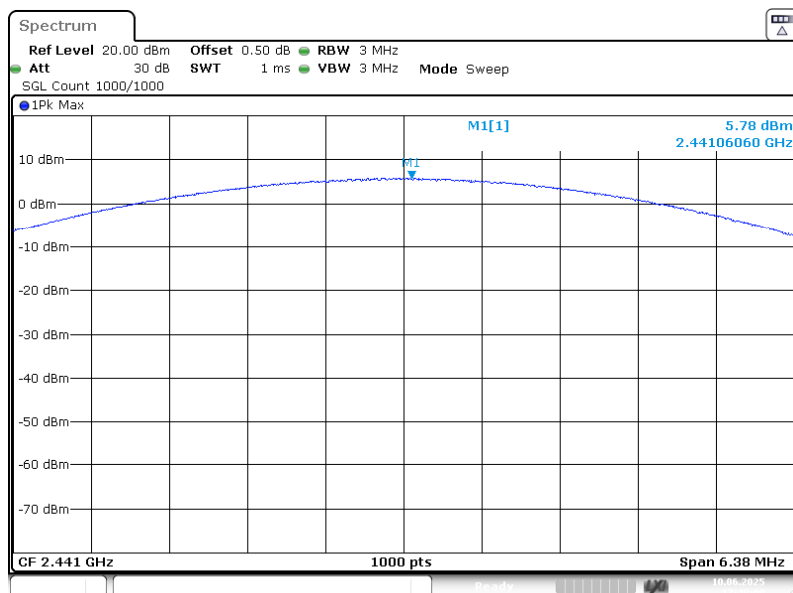
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 17:52:31

### EDR(8DPSK): 2402MHz



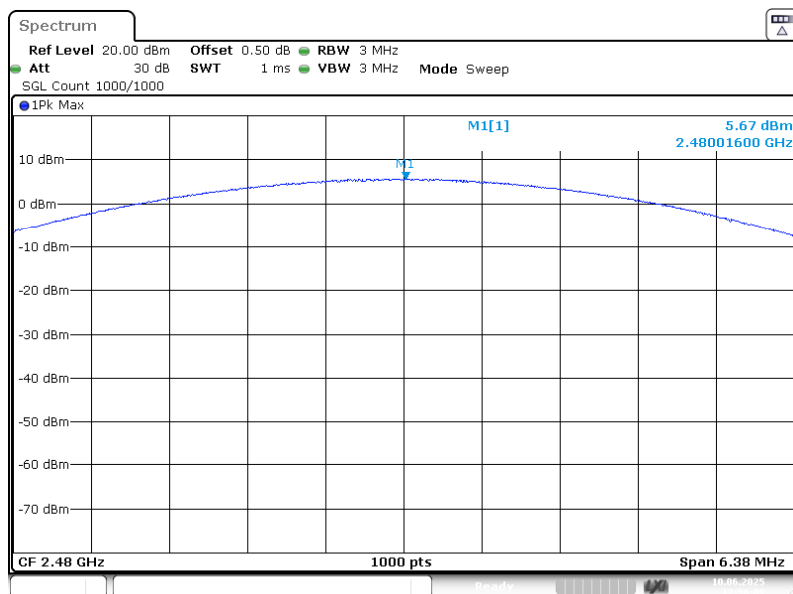
ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 17:46:36

### EDR(8DPSK): 2441MHz



ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 17:49:09

### EDR(8DPSK): 2480MHz



ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
 Date: 10.JUN.2025 17:50:08

## FCC §15.247(d) & RSS-247 ISSUE 3 Clause 5.5- BAND EDGES TESTING

### Applicable Standard

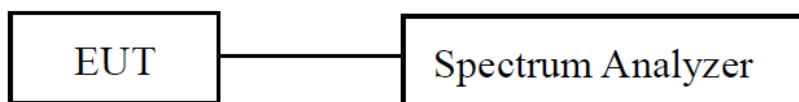
#### FCC §15.247 (d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates Compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

#### According to RSS-247 ISSUE 3 Clause 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below general field strength limits specified in RSS-Gen is not required.

### EUT Setup



### Test Procedure

According to ANSI C63.10-2013 Section 7.8.6

For band-edge measurements, use the band-edge procedure in 6.10. Band-edge measurements shall be tested both on single channels, and with the EUT hopping.

- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW  $\geq [3 \times \text{RBW}]$ .
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements.

Report the three highest emissions relative to the limit.

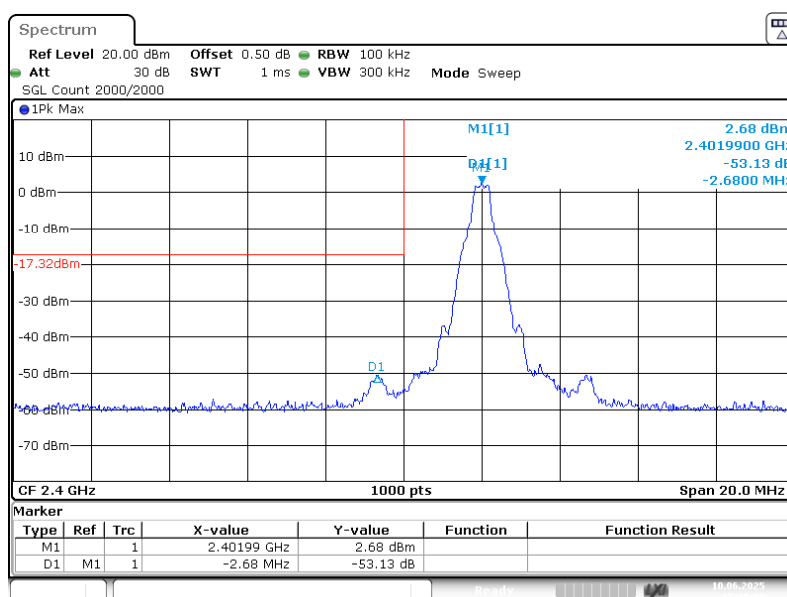
## Test Data

|            |              |                |                                              |
|------------|--------------|----------------|----------------------------------------------|
| Test Mode: | Transmitting | Test Engineer: | Braylon Ma                                   |
| Test Date: | 2025-06-10   | Environment:   | Temp.: 24.6°C<br>Humi.: 58%<br>Atm :100.2kPa |

Please refer to the below plots:

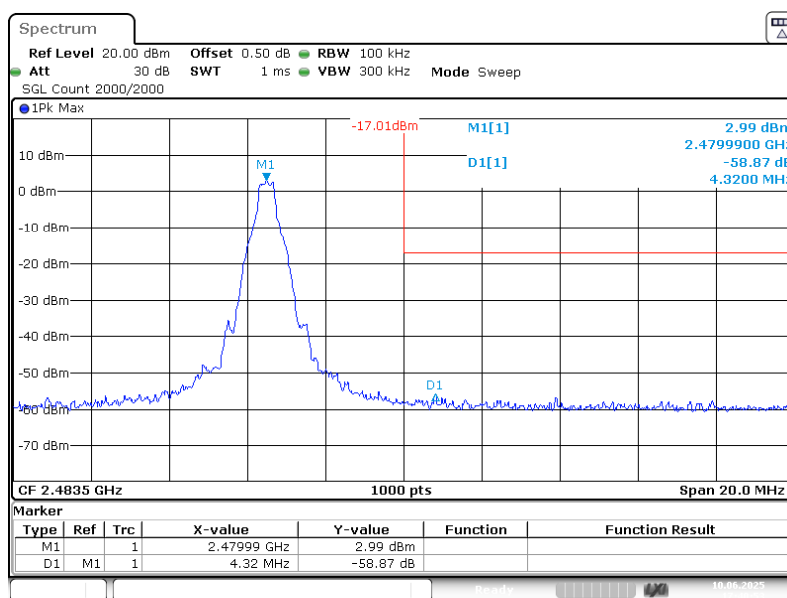
## Band Edge

## BDR (GFSK): Left Side



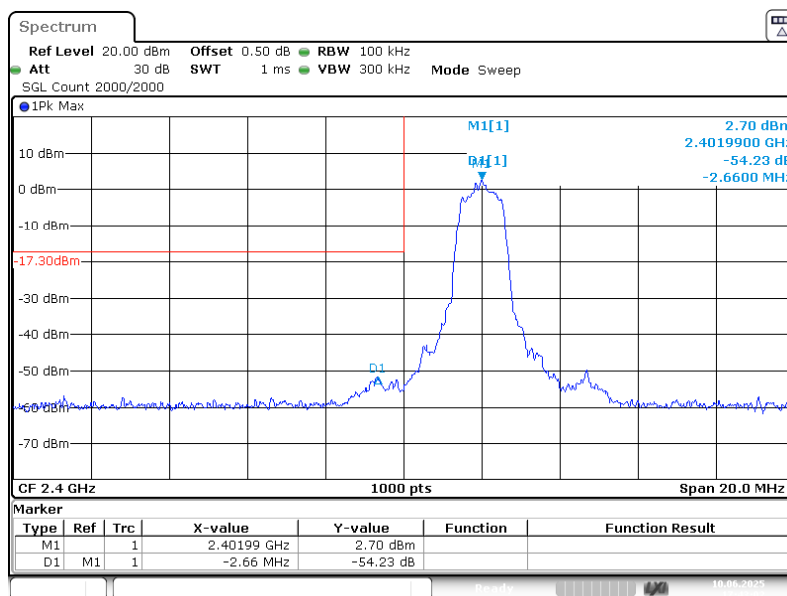
ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 17:38:09

**BDR (GFSK): Right Side**

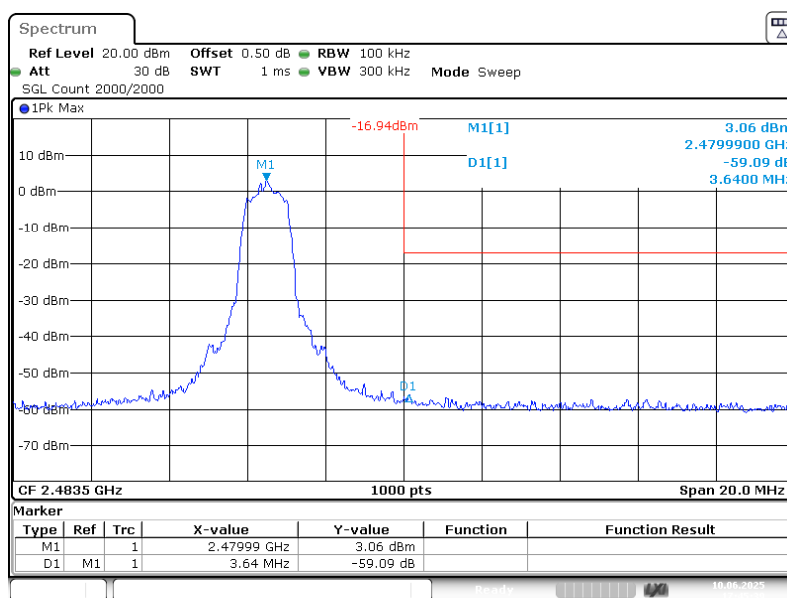
ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 17:40:53

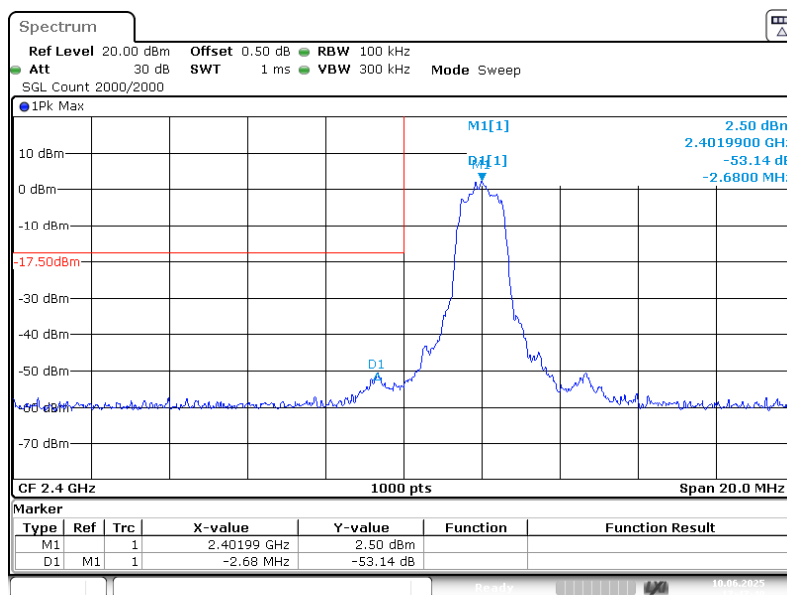
**EDR ( $\pi/4$ -DQPSK): Left Side**

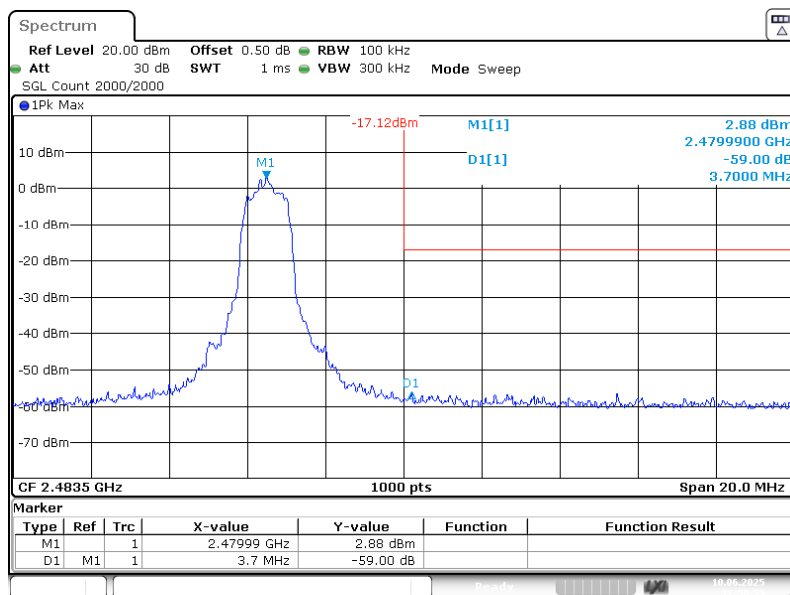
ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 17:43:02

EDR ( $\pi/4$ -DQPSK): Right Side

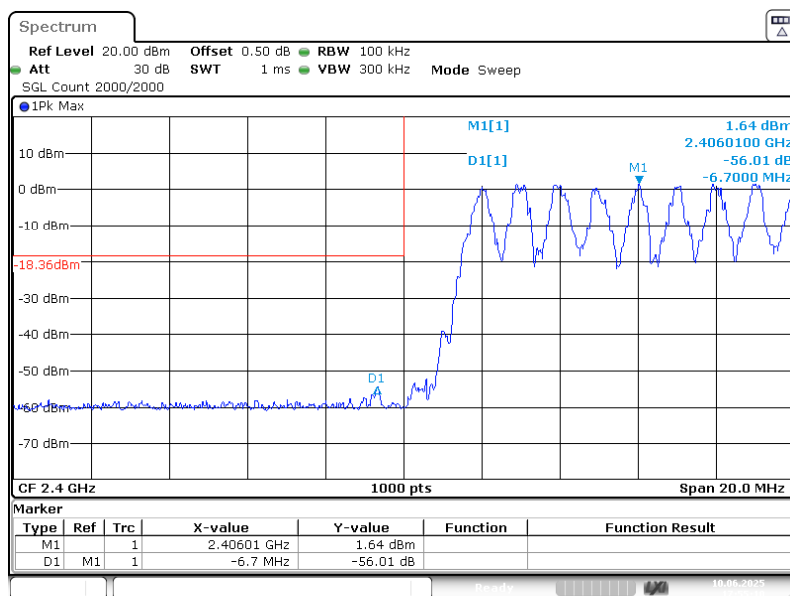
## EDR (8DPSK): Left Side



**EDR (8DPSK): Right Side**

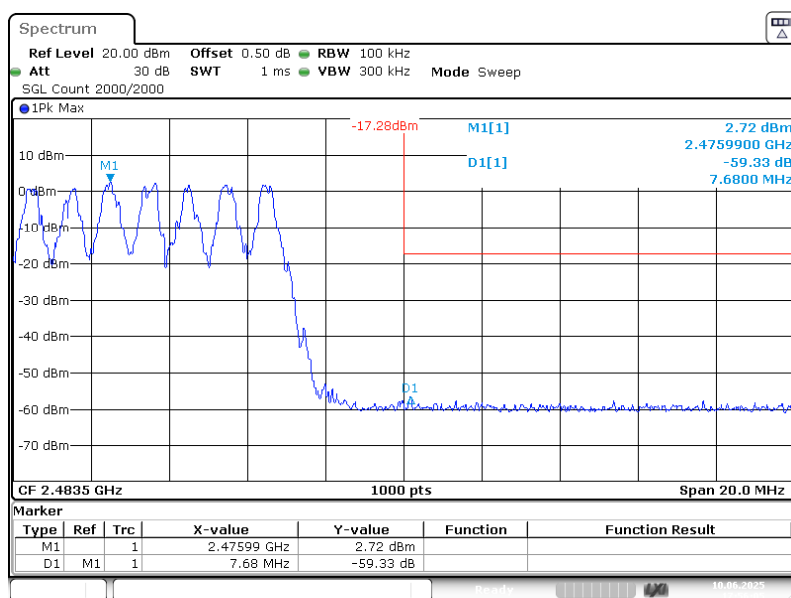
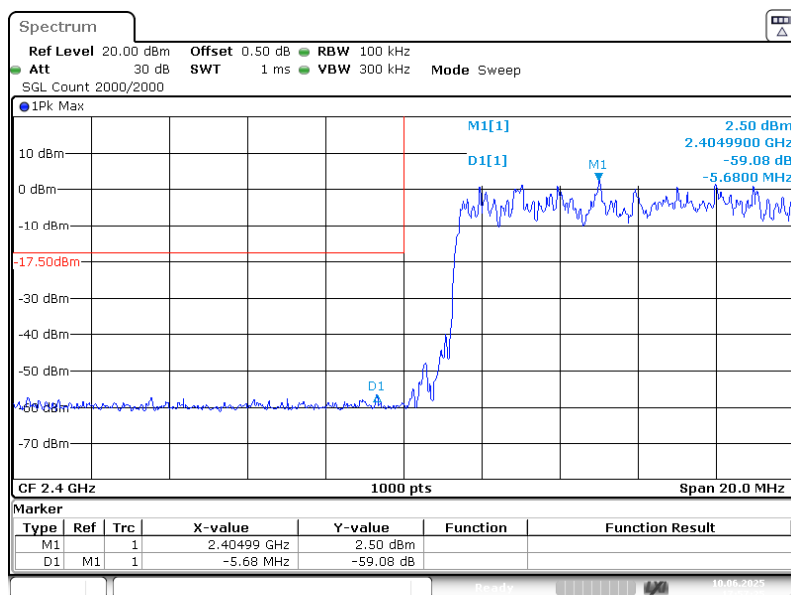
ProjectNo.:2407X35401E-RF Tester:Braylon Ma

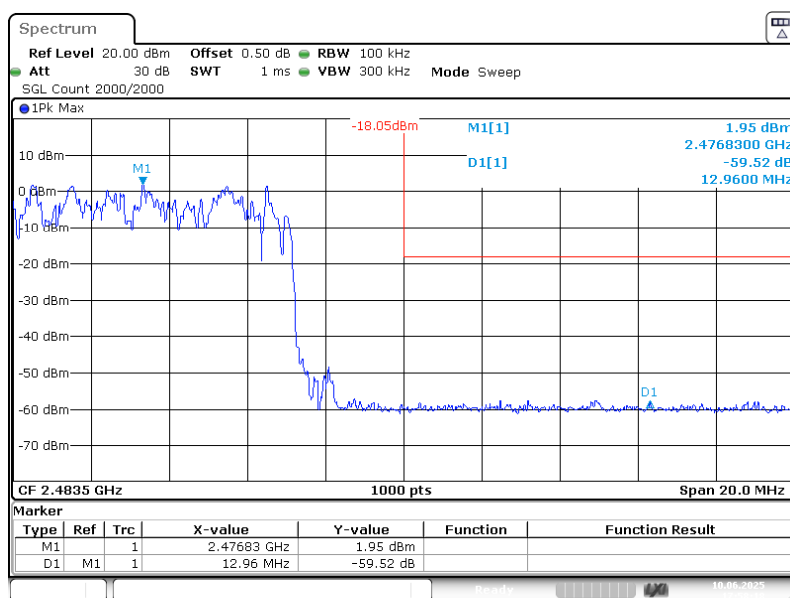
Date: 10.JUN.2025 17:50:59

**BDR (GFSK): Left Side - Hopping**

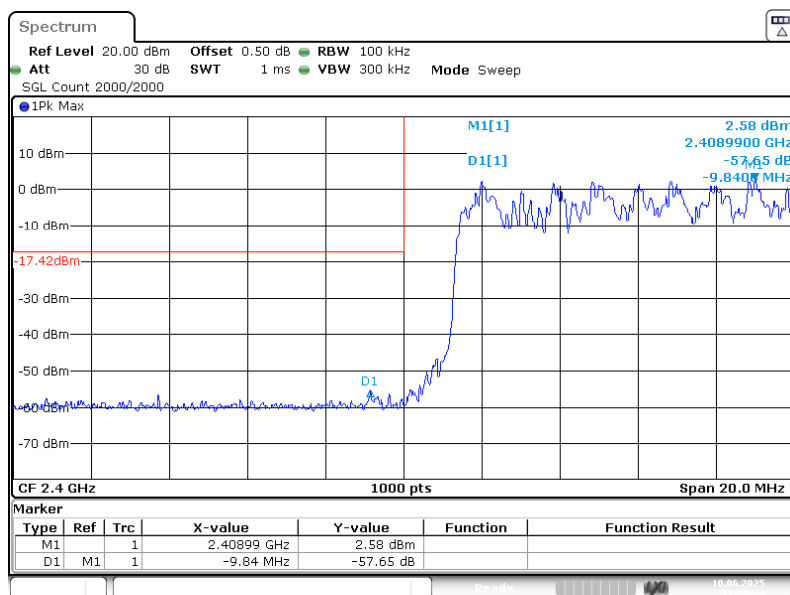
ProjectNo.:2407X35401E-RF Tester:Braylon Ma

Date: 10.JUN.2025 17:55:10

**BDR (GFSK): Right Side - Hopping****EDR ( $\pi/4$ -DQPSK): Left Side - Hopping**

EDR ( $\pi/4$ -DQPSK): Right Side - Hopping

## EDR (8DPSK): Left Side - Hopping



**Spectrum**

Ref Level 20.00 dBm    Offset 0.50 dB    RBW 100 kHz  
 Att 30 dB    SWT 1 ms    VBW 300 kHz    Mode Sweep

SGL Count 2000/2000

● 1Pk Max

10 dBm  
 0 dBm  
 -10 dBm  
 -20 dBm  
 -30 dBm  
 -40 dBm  
 -50 dBm  
 -60 dBm  
 -70 dBm

M1[1] 2.42 dBm  
 D1[1] -59.77 dB  
 2.4778300 GHz  
 14.4200 MHz

-17.58 dBm

CF 2.4835 GHz    1000 pts    Span 20.0 MHz

| Marker |     |     |             |           |          |                 |
|--------|-----|-----|-------------|-----------|----------|-----------------|
| Type   | Ref | Trc | X-value     | Y-value   | Function | Function Result |
| M1     |     | 1   | 2.47783 GHz | 2.42 dBm  |          |                 |
| D1     | M1  | 1   | 14.42 MHz   | -59.77 dB |          |                 |

ProjectNo.:2407X35401E-RF Tester:Braylon Ma  
Date: 10.JUN.2025 18:00:36

## **EUT PHOTOGRAPHS**

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Please refer to the attachment 2407X35401E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2407X35401E-RF-INP EUT INTERNAL PHOTOGRAPHS.

## **TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment 2407X35401E-RF-TSP\_TEST SETUP PHOTOGRAPHS.

## Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor  $k=2$  with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

**\*\*\*\*\* END OF REPORT \*\*\*\*\***