# FCC AND ISED CERTIFICATION TEST REPORT

| | | |
|---|---|---|
| **Applicant** | : | Sony Group Corporation |
| **Address of Applicant** | : | 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan |
| **Manufacturer** | : | Hui Zhou Gaoshengda Technology Co.,LTD |
| **Address of Manufacturer** | : | No.2,Jin-da Road,Huinan High-tech Industrial Park,Hui-ao Avenue,Huizhou City,Guangdong,China |
| **Equipment under Test** | : | WIFI+BT Module |
| **Model No.** | : | WXT2HM2001 |
| **FCC ID** | : | AK8WXT2HM2001 |
| **IC** | : | 409B-WXT2HM2001 |
| **Test Standard(s)** | : | FCC Rules and Regulations Part 15 Subpart C,<br>RSS-247 Issue 3 August 2023,<br>ANSI C63.10:2013,<br>RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021) |
| **Report No.** | : | DDT-RE24052405-1E03 |
| **Issue Date** | : | 2024/09/03 |
| **Issue By** | : | Guangdong Dongdian Testing Service Co., Ltd.<br>Unit 2, Building 1, No. 17, Zongbu 2nd Road,<br>Songshan Lake Park, Dongguan, Guangdong, China, 523808 |

REPORT

# Table of Contents

# Test Report Declare

| | | |
|---|---|---|
| **Applicant** | : | Sony Group Corporation |
| **Address of Applicant** | : | 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan |
| **Equipment under Test** | : | WIFI+BT Module |
| **Model No.** | : | WXT2HM2001 |
| **Manufacturer** | : | Hui Zhou Gaoshengda Technology Co.,LTD |
| **Address of Manufacturer** | : | No.2,Jin-da Road,Huinan High-tech Industrial Park,Hui-ao Avenue,Huizhou City,Guangdong,China |

**Test Standard Used:**

FCC Rules and Regulations Part 15 Subpart C,
RSS-247 Issue 3 August 2023,
ANSI C63.10:2013,
RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)

**We Declare:**

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

| | | | |
|---|---|---|---|
| **Report No.:** | DDT-RE24052405-1E03 | | |
| **Date of Receipt:** | 2024/06/27 | **Date of Test:** | 2024/06/27 - 2024/08/21 |

**Prepared By:**

Ella Gong

**Ella Gong/Engineer**

**Approved By:**

Damon Hu

**Damon Hu/EMC Manager**

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

# Revision History

| Rev. | Revisions | Issue Date | Revised By |
|---|---|---|---|
| --- | Initial issue | 2024/09/03 | |
| | | | |

# 1. Summary of Test Results

| No. | Test Parameter | Clause No. | Condition | Result |
|---|---|---|---|---|
| 1 | 6 dB Bandwidth and 99% Bandwidth | FCC Part 15: 15.247(a)(2), RSS-247 Issue 3 clause 5.2(a), RSS-Gen Issue 5 clause 6.7 | / | Pass |
| 2 | Peak Output Power | FCC Part 15: 15.247(b)(3), RSS-247 Issue 3 clause 5.4(d) | / | Pass |
| 3 | Power Spectral Density | FCC Part 15:15.247(e), RSS-247 Issue 3 clause 5.2(b) | / | Pass |
| 4 | RF Conducted Spurious Emissions | FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5 | / | Pass |
| 5 | Radiated Emission | FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5, RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10 | / | Pass |
| 6 | Band Edge Compliance | FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5, RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10 | / | Pass |
| 7 | Power Line Conducted Emissions | FCC Part 15: 15.207(a), RSS-Gen Issue 5 clause 8.8 | / | Pass |
| 8 | Antenna Requirement | FCC Part 15: 15.203, RSS-Gen Issue 5 clause 6.8 | / | Pass |
| Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard. | | | | |

# 2. General Test Information

## 2.1. Description of EUT

| | | |
|---|---|---|
| EUT Name | : | WIFI+BT Module |
| Model Number | : | WXT2HM2001 |
| EUT Function Description | : | Please reference user manual of this device |
| Power Supply | : | DC 3.3V |
| Hardware Version | : | V1.0 |
| Software Version | : | V1.0 |
| Antenna Type | : | PCB |
| Max Antenna Gain<br>(CUS P/N: YY2085C) | : | Ant-1:<br>2.4 GHz WiFi: 2.88 dBi<br>5 GHz WiFi: 3.31 dBi<br>6 GHz WiFi: 3.28 dBi<br>Ant-2:<br>Bluetooth: 2.75 dBi<br>Ant-3:<br>2.4 GHz WiFi: 3.69 dBi<br>5 GHz WiFi: 4.24 dBi<br>6 GHz WiFi: 4.37 dBi |
| Max Antenna Gain<br>(CUS P/N: YY2087C) | : | Ant-1:<br>2.4 GHz WiFi: 2.31 dBi<br>5 GHz WiFi: 3.56 dBi<br>6 GHz WiFi: 4.74 dBi<br>Ant-2:<br>Bluetooth: 2.67 dBi<br>Ant-3:<br>2.4 GHz WiFi: 2.75 dBi<br>5 GHz WiFi: 4.71 dBi<br>6 GHz WiFi: 4.71 dBi |

Note:

1. This EUT support Bluetooth BR/EDR/LE, 2.4 GHz WLAN, 5 GHz WLAN, 6 GHz WLAN, this report only for 2.4G WiFi.
2. Two optional antennas(YY2085C and YY2087C) with different antenna gains mounted on the module, and the one with the greatest gain is selected for testing.

| | | |
|---|---|---|
| Radio Technology | : | IEEE 802.11b/g/n/ax |
| Operation frequency | : | IEEE 802.11b: 2412MHz-2462MHz<br>IEEE 802.11g: 2412MHz-2462MHz<br>IEEE 802.11n HT20: 2412MHz-2462MHz<br>IEEE 802.11n HT40: 2422MHz-2452MHz<br>IEEE 802.11ax HE20: 2412MHz-2462MHz<br>IEEE 802.11ax HE40: 2422MHz-2452MHz |
| Modulation | : | IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK)<br>IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11ax: OFDM, OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK) |

| Channel information | | | | | |
|---|---|---|---|---|---|
| CH | Frequency (MHz) | CH | Frequency (MHz) | CH | Frequency (MHz) |
| 1 | 2412 | 5 | 2432 | 9 | 2452 |
| 2 | 2417 | 6 | 2437 | 10 | 2457 |
| 3 | 2422 | 7 | 2442 | 11 | 2462 |
| 4 | 2427 | 8 | 2447 | / | / |

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

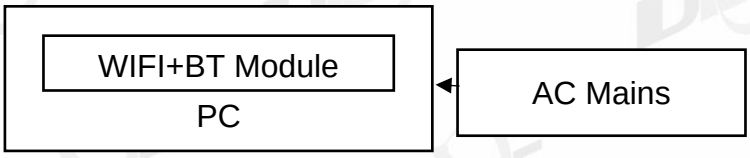
"☒" means to be chosen or applicable; "□" means don't to be chosen or not applicable; This note applies to entire report.

## 2.2. Accessories of EUT

| Accessories | Manufacturer | Model number | Description |
|---|---|---|---|
| / | / | / | / |

## 2.3. Block diagram of EUT configuration for test

Configuration diagram




## 2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:
Test software: QATool_Dbg.exe
The test software was used to control EUT work in Continuous Tx mode and select test channel, wireless mode as below table.
The pathloss of external cable: 0.5dB (According to the manufacturer's claims)

| Tested mode, channel, and data rate information | | | | | |
|---|---|---|---|---|---|
| Mode | Setting Tx Power | | Data rate (Mbps) (see Note) | Channel | Frequency (MHz) |
| | ANT-1 | ANT-3 | | | |
| IEEE 802.11b | 12 | 12 | 1 | LCH: CH1 | 2412 |
| | 12 | 12 | 1 | MCH: CH6 | 2437 |
| | 12 | 12 | 1 | HCH: CH11 | 2462 |
| IEEE 802.11g | 12 | 12 | 6 | LCH: CH1 | 2412 |
| | 12 | 12 | 6 | MCH: CH6 | 2437 |
| | 12 | 12 | 6 | HCH: CH11 | 2462 |
| IEEE 802.11n HT20 | 12 | 12 | MCS 0 | LCH: CH1 | 2412 |
| | 12 | 12 | MCS 0 | MCH: CH6 | 2437 |
| | 12 | 12 | MCS 0 | HCH: CH11 | 2462 |
| IEEE 802.11n HT40 | 12 | 12 | MCS 0 | LCH: CH3 | 2422 |
| | 12 | 12 | MCS 0 | MCH: CH6 | 2437 |
| | 12 | 12 | MCS 0 | HCH: CH9 | 2452 |
| IEEE 802.11ax HE20 | SU: 12 RU: 12 | SU: 12 RU: 12 | MCS 0 | LCH: CH1 | 2412 |
| | SU: 12 RU: 12 | SU: 12 RU: 12 | MCS 0 | MCH: CH6 | 2437 |
| | SU: 12 RU: 12 | SU: 12 RU: 12 | MCS 0 | HCH: CH11 | 2462 |
| IEEE 802.11ax HE40 | SU: 12 RU: 12 | SU: 12 RU: 12 | MCS 0 | LCH: CH3 | 2422 |
| | SU: 12 RU: 12 | SU: 12 RU: 12 | MCS 0 | MCH: CH6 | 2437 |
| | SU: 12 RU: 12 | SU: 12 RU: 12 | MCS 0 | HCH: CH9 | 2452 |
| Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test. | | | | | |

## 2.5. Deviations of test standard

No deviation.

## 2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

| | |
|---|---|
| Temperature range: | +15℃ to +35 ℃ |
| Humidity range: | 20% to 75% |
| Pressure range: | 86 kPa to106 kPa |

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

## 2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, http://www.dgddt.com, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

## 2.8. Measurement uncertainty

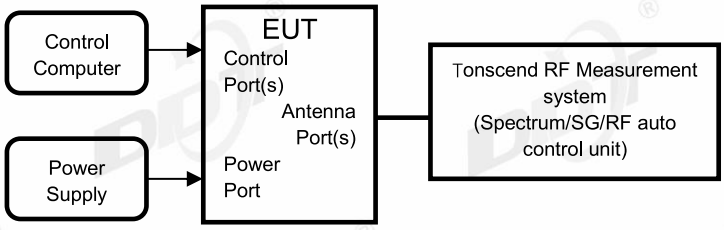
| Test Item | Uncertainty |
|---|---|
| Bandwidth | 1.1% |
| Peak Output Power (Conducted) (Spectrum analyzer) | 0.86 dB (10 MHz ≤ f < 3.6 GHz); |
| | 1.38 dB (3.6 GHz ≤ f < 8 GHz) |
| Peak Output Power (Conducted) (Power Sensor) | 0.74 dB |
| Power Spectral Density | 0.74 dB (10 MHz ≤ f < 3.6 GHz); |
| | 1.38 dB (3.6 GHz ≤ f < 8 GHz) |
| Frequencies Stability | $6.7 \times 10^{-8}$ (Antenna couple method) |
| | $5.5 \times 10^{-8}$ (Conducted method) |
| Conducted spurious emissions | 0.86 dB (10 MHz ≤ f < 3.6 GHz); |
| | 1.40 dB (3.6 GHz ≤ f < 8 GHz) |
| | 1.66 dB (8 GHz ≤ f < 26.5 GHz) |
| Uncertainty for radio frequency (RBW < 20 kHz) | $3 \times 10^{-8}$ |
| Temperature | 0.4 ℃ |
| Humidity | 2 % |
| Uncertainty for Radiation Emission test (9 kHz – 30 MHz) | 3.44 dB |
| Uncertainty for Radiation Emission test (30 MHz - 1 GHz) | 4.70 dB (Antenna Polarize: V) |
| | 4.84 dB (Antenna Polarize: H) |
| Uncertainty for Radiation Emission test (1 GHz - 40 GHz) | 4.10 dB (1 - 6 GHz) |
| | 4.40 dB (6 GHz - 18 GHz) |
| | 3.54 dB (18 GHz - 26 GHz) |
| | 4.30 dB (26 GHz - 40 GHz) |
| Uncertainty for Power line conduction emission test | 3.34dB (150KHz-30MHz) |
| | 3.72dB (9KHz-150KHz) |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. | |

# 3. Equipment Used During Conductive Test

| Equipment | Manufacturer | Model No. | Serial Number | Due Date |
|---|---|---|---|---|
| ☒RF Connected Test (RF Measurement System 3#) | | | | |
| SIGNAL ANALYZER | R&S | FSV40 | 101407 | 2025/07/08 |
| Wideband Radio Communication Tester | R&S | CMW500 | 117491 | 2025/03/31 |
| EXG Analog Signal Generator | KEYSIGHT | N5173B | MY62153058 | 2025/07/08 |
| MXG Vector Signal Generator | Agilent | N5182A | MY48180912 | 2025/03/31 |
| RF Control Unit | Tonscend | JS0806-2 | 20C8060230 | 2025/03/31 |
| TEMP&HUMI Programmable Chamber | ZHIXIANG | ZXGDJS-150L | ZX170110-A | 2025/04/22 |
| Test Software | Tonscend | JS1120-3 | Ver.3.2.22 | N/A |

# 4. 6dB Bandwidth

## 4.1. Block diagram of test setup




## 4.2. Limits

For direct sequence systems, the minimum 6 dB bandwidth shall be at least 500 kHz

## 4.3. Test procedure

(1) The test according to ANSI C63.10-2013 clause 11.8.
(2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
(3) Set the EUT as maximum power setting and enable the EUT transmit continuously
(4) Use the following spectrum analyzer settings for 6 dB Bandwidth:

| | |
|---|---|
| RBW: | 100 kHz |
| VBW: | ≥ [3 × RBW] |
| Detector Mode: | peak |
| Sweep time: | auto |
| Trace mode | max hold |

Allow the trace to stabilize, measure the 6 dB bandwidth of signal, and record the results in the report

## 4.4. Test result

| Test Engineer: | Zhongyao | Test Site: | RF Measurement System 3# |
|---|---|---|---|
| Ambient Condition: | 24.5℃,39.8%RH | Test Date: | 2024.07.19-2024.08.21 |
| Test Power Supply: | DC 3.3V | Sample Number: | S24052405-002 |

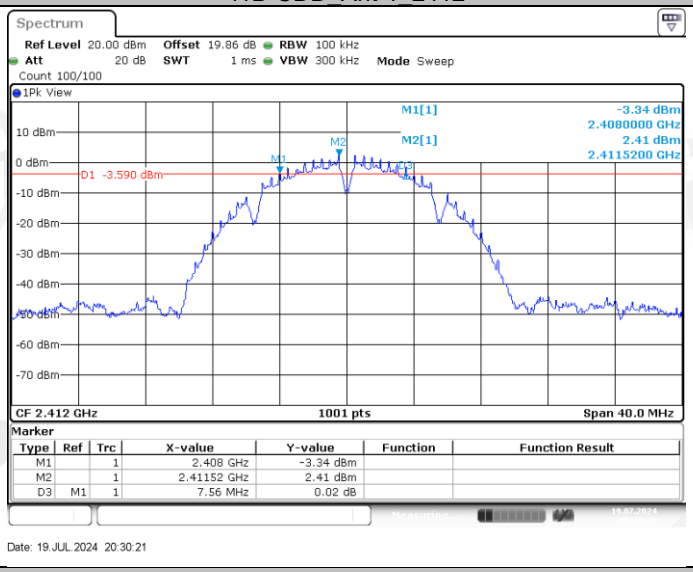
| Test Mode | Antenna | Frequency [MHz] | DTS BW [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B-CDD | Ant-1 | 2412 | 7.56 | 2408.00 | 2415.56 | 0.5 | PASS |
| | Ant-3 | 2412 | 8.04 | 2408.00 | 2416.04 | 0.5 | PASS |
| | Ant-1 | 2437 | 7.56 | 2433.44 | 2441.00 | 0.5 | PASS |
| | Ant-3 | 2437 | 8.08 | 2432.96 | 2441.04 | 0.5 | PASS |
| | Ant-1 | 2462 | 8.04 | 2457.96 | 2466.00 | 0.5 | PASS |
| | Ant-3 | 2462 | 7.52 | 2458.00 | 2465.52 | 0.5 | PASS |
| 11G-CDD | Ant-1 | 2412 | 15.80 | 2404.08 | 2419.88 | 0.5 | PASS |
| | Ant-3 | 2412 | 16.08 | 2404.08 | 2420.16 | 0.5 | PASS |
| | Ant-1 | 2437 | 16.00 | 2429.12 | 2445.12 | 0.5 | PASS |
| | Ant-3 | 2437 | 16.32 | 2428.84 | 2445.16 | 0.5 | PASS |
| | Ant-1 | 2462 | 15.80 | 2454.12 | 2469.92 | 0.5 | PASS |
| | Ant-3 | 2462 | 16.32 | 2453.84 | 2470.16 | 0.5 | PASS |
| 11N20MIMO | Ant-1 | 2412 | 16.04 | 2403.88 | 2419.92 | 0.5 | PASS |
| | Ant-3 | 2412 | 16.92 | 2403.84 | 2420.76 | 0.5 | PASS |
| | Ant-1 | 2437 | 15.48 | 2429.44 | 2444.92 | 0.5 | PASS |
| | Ant-3 | 2437 | 16.96 | 2428.20 | 2445.16 | 0.5 | PASS |
| | Ant-1 | 2462 | 15.12 | 2454.44 | 2469.56 | 0.5 | PASS |
| | Ant-3 | 2462 | 17.52 | 2453.24 | 2470.76 | 0.5 | PASS |
| 11N40MIMO | Ant-1 | 2422 | 35.12 | 2404.48 | 2439.60 | 0.5 | PASS |
| | Ant-3 | 2422 | 35.12 | 2404.48 | 2439.60 | 0.5 | PASS |
| | Ant-1 | 2437 | 35.12 | 2419.48 | 2454.60 | 0.5 | PASS |
| | Ant-3 | 2437 | 35.12 | 2419.48 | 2454.60 | 0.5 | PASS |
| | Ant-1 | 2452 | 35.12 | 2434.48 | 2469.60 | 0.5 | PASS |
| | Ant-3 | 2452 | 35.12 | 2434.48 | 2469.60 | 0.5 | PASS |
| 11AX20MIMO | Ant-1 | 2412 | 16.24 | 2404.00 | 2420.24 | 0.5 | PASS |
| | Ant-3 | 2412 | 16.68 | 2403.84 | 2420.52 | 0.5 | PASS |
| | Ant-1 | 2437 | 17.68 | 2427.88 | 2445.56 | 0.5 | PASS |
| | Ant-3 | 2437 | 17.40 | 2428.88 | 2446.28 | 0.5 | PASS |
| | Ant-1 | 2462 | 17.32 | 2453.72 | 2471.04 | 0.5 | PASS |
| | Ant-3 | 2462 | 16.76 | 2453.04 | 2469.80 | 0.5 | PASS |
| 11AX40MIMO | Ant-1 | 2422 | 37.52 | 2403.20 | 2440.72 | 0.5 | PASS |
| | Ant-3 | 2422 | 36.32 | 2404.48 | 2440.80 | 0.5 | PASS |
| | Ant-1 | 2437 | 37.52 | 2418.20 | 2455.72 | 0.5 | PASS |
| | Ant-3 | 2437 | 35.12 | 2419.48 | 2454.60 | 0.5 | PASS |
| | Ant-1 | 2452 | 37.36 | 2433.20 | 2470.56 | 0.5 | PASS |
| | Ant-3 | 2452 | 35.84 | 2433.76 | 2469.60 | 0.5 | PASS |

| Test Mode | Antenna | Frequency [MHz] | Ru Size | Ru Index | DTS BW [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| 11AX20MIMO | Ant-1 | 2412 | 26Tone | RU0 | 2.08 | 2402.48 | 2404.56 | 0.5 | PASS |
| | | | | RU4 | 2.64 | 2410.68 | 2413.32 | 0.5 | PASS |
| | | | | RU8 | 2.08 | 2419.44 | 2421.52 | 0.5 | PASS |
| | | | 52Tone | RU37 | 17.08 | 2402.48 | 2419.56 | 0.5 | PASS |
| | | | | RU39 | 13.80 | 2405.72 | 2419.52 | 0.5 | PASS |
| | | | | RU40 | 15.80 | 2405.72 | 2421.52 | 0.5 | PASS |
| | | | 106Tone | RU53 | 17.12 | 2402.44 | 2419.56 | 0.5 | PASS |
| | | | | RU54 | 17.08 | 2404.44 | 2421.52 | 0.5 | PASS |
| | Ant-3 | 2412 | 26Tone | RU0 | 2.12 | 2402.44 | 2404.56 | 0.5 | PASS |
| | | | | RU4 | 2.64 | 2410.68 | 2413.32 | 0.5 | PASS |
| | | | | RU8 | 2.08 | 2419.44 | 2421.52 | 0.5 | PASS |
| | | | 52Tone | RU37 | 17.08 | 2402.44 | 2419.52 | 0.5 | PASS |
| | | | | RU39 | 15.04 | 2404.48 | 2419.52 | 0.5 | PASS |
| | | | | RU40 | 17.04 | 2404.48 | 2421.52 | 0.5 | PASS |
| | | | 106Tone | RU53 | 17.12 | 2402.44 | 2419.56 | 0.5 | PASS |
| | | | | RU54 | 17.12 | 2404.44 | 2421.56 | 0.5 | PASS |
| | Ant-1 | 2437 | 26Tone | RU0 | 2.08 | 2427.48 | 2429.56 | 0.5 | PASS |
| | | | | RU4 | 2.60 | 2435.68 | 2438.28 | 0.5 | PASS |
| | | | | RU8 | 2.08 | 2444.44 | 2446.52 | 0.5 | PASS |
| | | | 52Tone | RU37 | 17.08 | 2427.44 | 2444.52 | 0.5 | PASS |
| | | | | RU39 | 15.08 | 2429.44 | 2444.52 | 0.5 | PASS |
| | | | | RU40 | 17.04 | 2429.48 | 2446.52 | 0.5 | PASS |
| | | | 106Tone | RU53 | 17.12 | 2427.44 | 2444.56 | 0.5 | PASS |
| | | | | RU54 | 17.08 | 2429.44 | 2446.52 | 0.5 | PASS |
| | Ant-3 | 2437 | 26Tone | RU0 | 2.12 | 2427.44 | 2429.56 | 0.5 | PASS |
| | | | | RU4 | 2.64 | 2435.64 | 2438.28 | 0.5 | PASS |
| | | | | RU8 | 2.04 | 2444.44 | 2446.48 | 0.5 | PASS |
| | | | 52Tone | RU37 | 17.04 | 2427.48 | 2444.52 | 0.5 | PASS |
| | | | | RU39 | 13.80 | 2430.72 | 2444.52 | 0.5 | PASS |
| | | | | RU40 | 17.08 | 2429.44 | 2446.52 | 0.5 | PASS |
| | | | 106Tone | RU53 | 17.12 | 2427.44 | 2444.56 | 0.5 | PASS |
| | | | | RU54 | 17.16 | 2429.40 | 2446.56 | 0.5 | PASS |
| | Ant-1 | 2462 | 26Tone | RU0 | 2.12 | 2452.44 | 2454.56 | 0.5 | PASS |
| | | | | RU4 | 2.64 | 2460.68 | 2463.32 | 0.5 | PASS |
| | | | | RU8 | 2.08 | 2469.44 | 2471.52 | 0.5 | PASS |
| | | | 52Tone | RU37 | 17.12 | 2452.44 | 2469.56 | 0.5 | PASS |
| | | | | RU39 | 15.08 | 2454.48 | 2469.56 | 0.5 | PASS |
| | | | | RU40 | 17.04 | 2454.44 | 2471.48 | 0.5 | PASS |
| | | | 106Tone | RU53 | 17.12 | 2452.40 | 2469.52 | 0.5 | PASS |
| | | | | RU54 | 17.12 | 2454.40 | 2471.52 | 0.5 | PASS |
| | Ant-3 | 2462 | 26Tone | RU0 | 2.12 | 2452.44 | 2454.56 | 0.5 | PASS |
| | | | | RU4 | 2.68 | 2460.64 | 2463.32 | 0.5 | PASS |
| | | | | RU8 | 2.08 | 2469.44 | 2471.52 | 0.5 | PASS |
| | | | 52Tone | RU37 | 17.04 | 2452.48 | 2469.52 | 0.5 | PASS |
| | | | | RU39 | 15.04 | 2454.48 | 2469.52 | 0.5 | PASS |
| | | | | RU40 | 17.04 | 2454.48 | 2471.52 | 0.5 | PASS |
| | | | 106Tone | RU53 | 17.12 | 2452.40 | 2469.52 | 0.5 | PASS |
| | | | | RU54 | 17.12 | 2454.40 | 2471.52 | 0.5 | PASS |
| 11AX40MIMO | Ant-1 | 2422 | 106Tone | RU53 | 16.56 | 2403.04 | 2419.60 | 0.5 | PASS |
| | | | | RU56 | 16.56 | 2424.48 | 2441.04 | 0.5 | PASS |
| | | | 242Tone | RU61 | 18.80 | 2402.96 | 2421.76 | 0.5 | PASS |
| | | | | RU62 | 18.88 | 2422.24 | 2441.12 | 0.5 | PASS |
| | Ant-3 | 2422 | 106Tone | RU53 | 16.64 | 2402.96 | 2419.60 | 0.5 | PASS |
| | | | | RU56 | 16.56 | 2424.48 | 2441.04 | 0.5 | PASS |
| | | | 242Tone | RU61 | 18.72 | 2403.04 | 2421.76 | 0.5 | PASS |
| | | | | RU62 | 18.80 | 2422.32 | 2441.12 | 0.5 | PASS |
| | Ant-1 | 2437 | 106Tone | RU53 | 16.56 | 2417.96 | 2434.52 | 0.5 | PASS |
| | | | | RU56 | 16.56 | 2439.48 | 2456.04 | 0.5 | PASS |
| | | | 242Tone | RU61 | 18.80 | 2417.96 | 2436.76 | 0.5 | PASS |

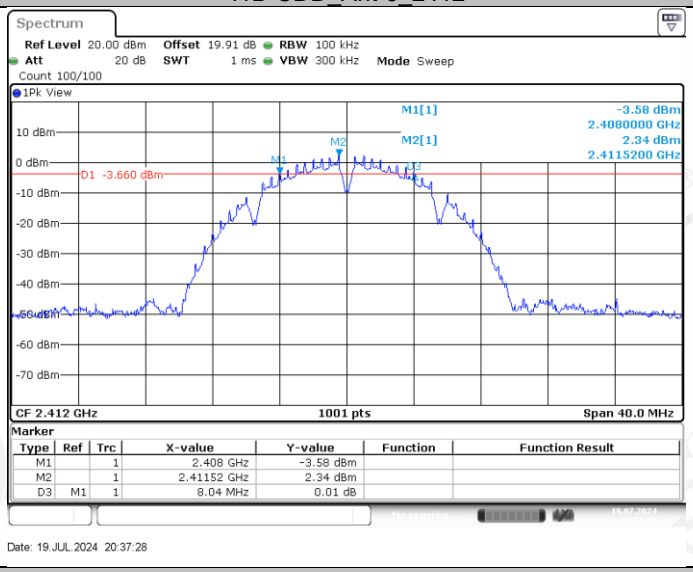
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | RU62 | 18.80 | 2437.24 | 2456.04 | 0.5 | PASS |
| | Ant-3 | 2437 | 106Tone | RU53 | 16.56 | 2417.96 | 2434.52 | 0.5 | PASS |
| | | | | RU56 | 16.56 | 2439.48 | 2456.04 | 0.5 | PASS |
| | | | 242Tone | RU61 | 18.80 | 2417.96 | 2436.76 | 0.5 | PASS |
| | | | | RU62 | 18.88 | 2437.16 | 2456.04 | 0.5 | PASS |
| | Ant-1 | 2452 | 106Tone | RU53 | 16.64 | 2432.96 | 2449.60 | 0.5 | PASS |
| | | | | RU56 | 16.56 | 2454.48 | 2471.04 | 0.5 | PASS |
| | | | 242Tone | RU61 | 18.88 | 2432.96 | 2451.84 | 0.5 | PASS |
| | | | | RU62 | 18.80 | 2452.16 | 2470.96 | 0.5 | PASS |
| | Ant-3 | 2452 | 106Tone | RU53 | 16.64 | 2432.96 | 2449.60 | 0.5 | PASS |
| | | | | RU56 | 16.56 | 2454.48 | 2471.04 | 0.5 | PASS |
| | | | 242Tone | RU61 | 18.80 | 2432.96 | 2451.76 | 0.5 | PASS |
| | | | | RU62 | 18.80 | 2452.16 | 2470.96 | 0.5 | PASS |

## 4.5. Test graphs

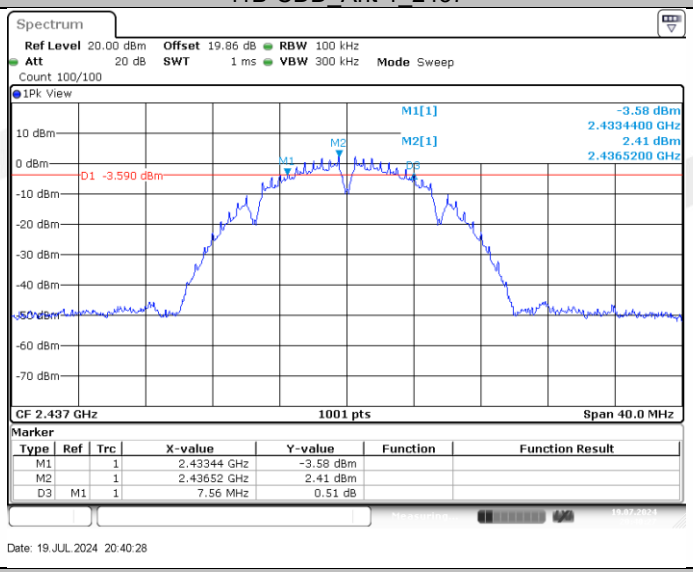
11B-CDD_Ant-1_2412



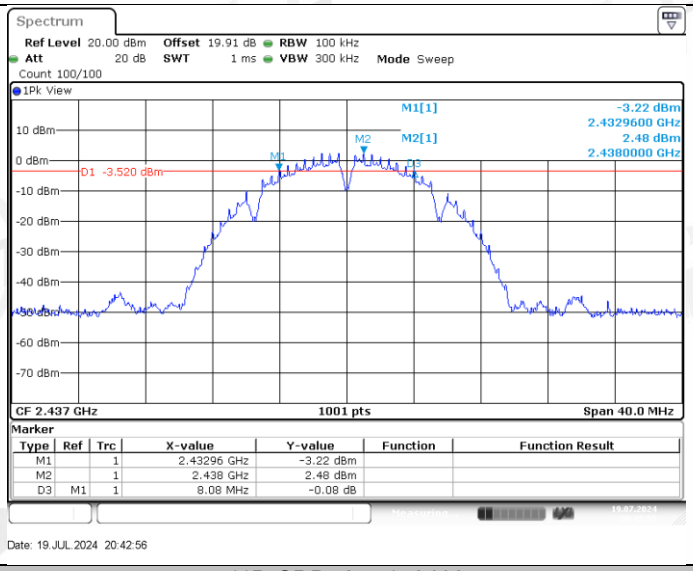

11B-CDD_Ant-3_2412



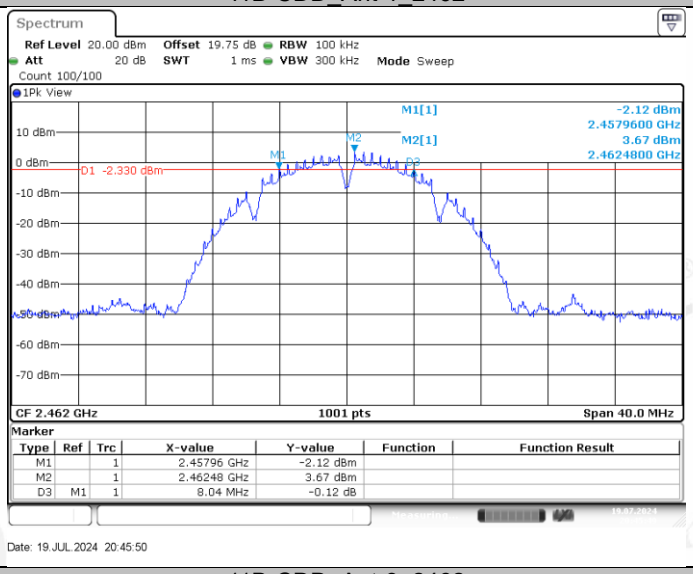

11B-CDD_Ant-1_2437



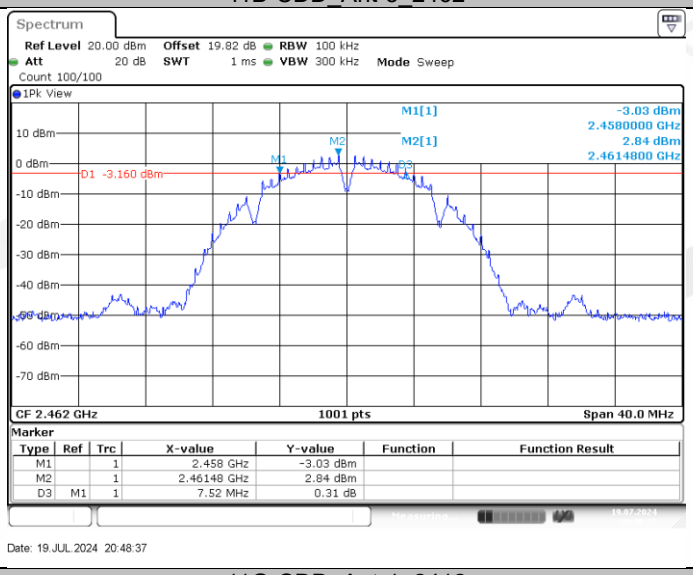

11B-CDD_Ant-3_2437



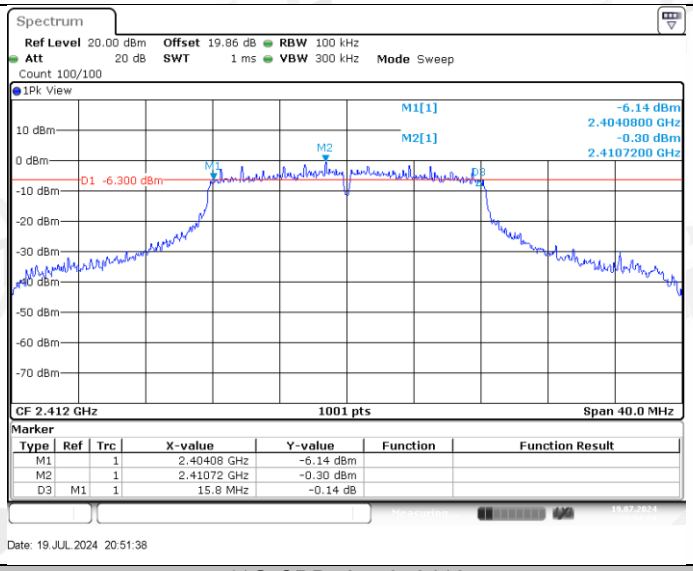

11B-CDD_Ant-1_2462



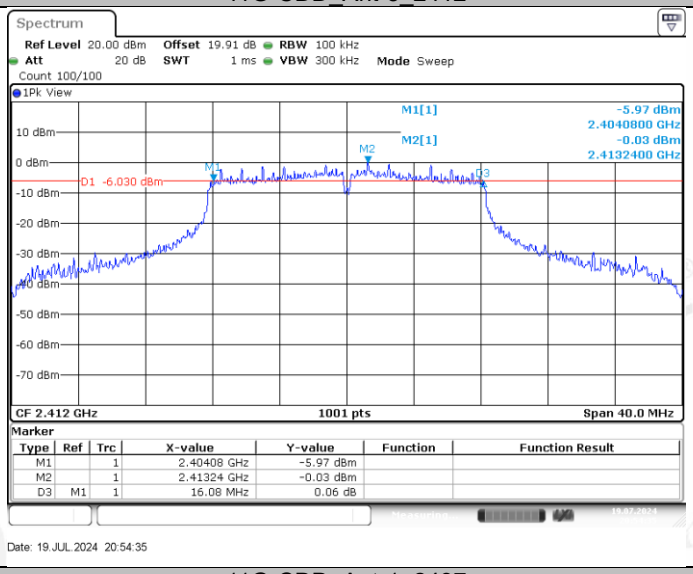

11B-CDD_Ant-3_2462



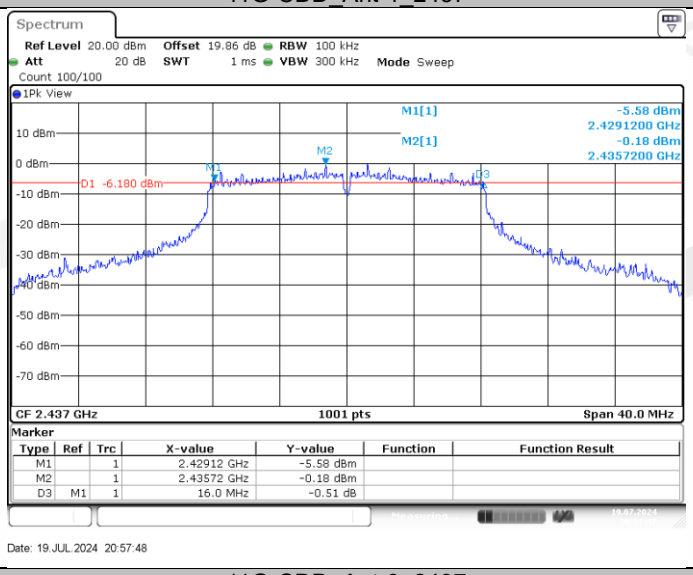

11G-CDD_Ant-1_2412



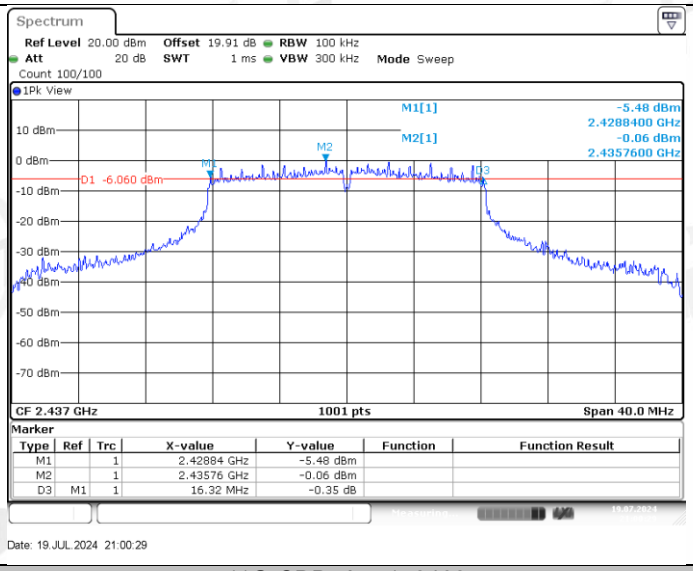

11G-CDD_Ant-3_2412



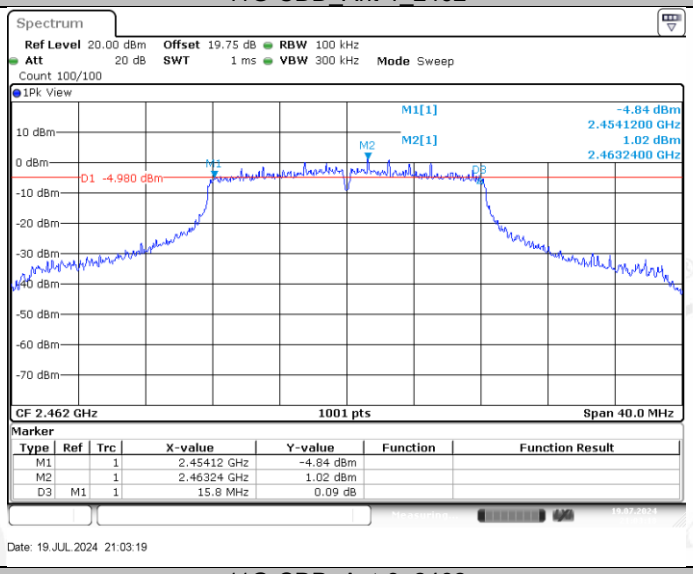

11G-CDD_Ant-1_2437



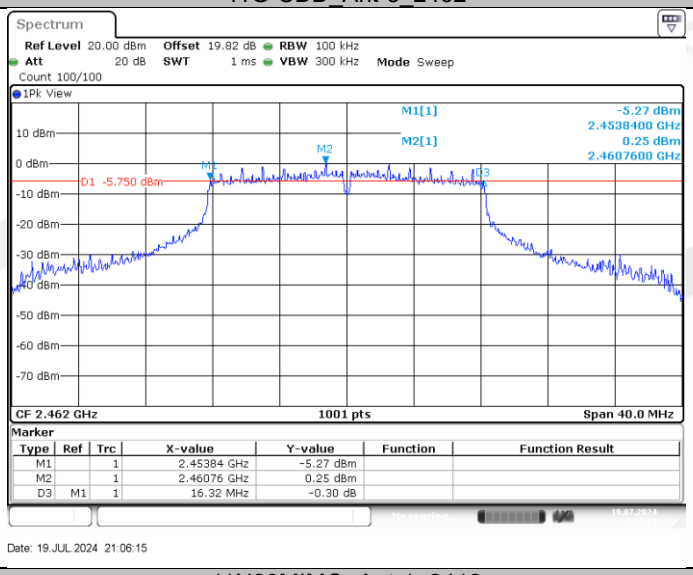

11G-CDD_Ant-3_2437



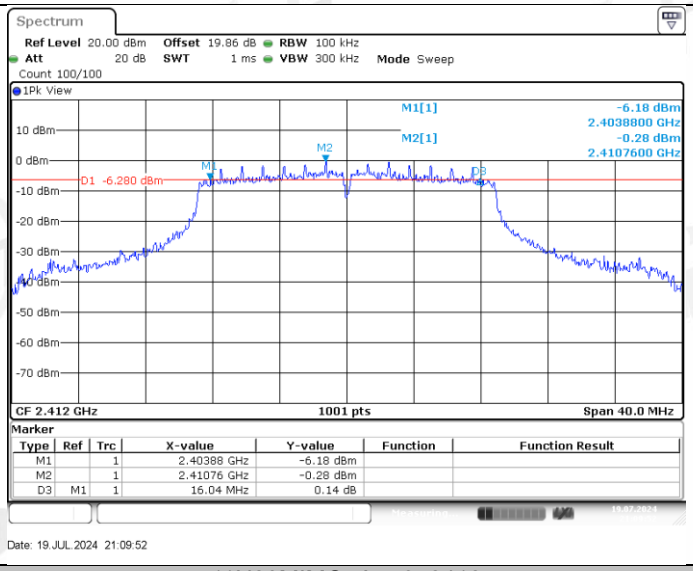

11G-CDD_Ant-1_2462



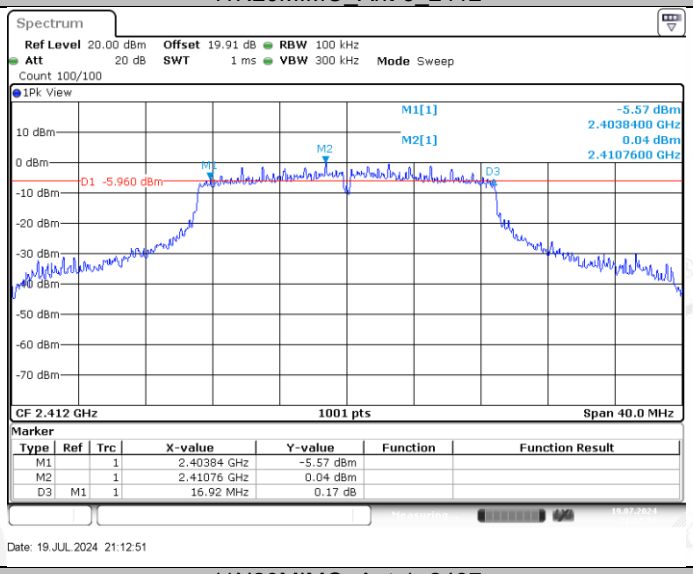

11G-CDD_Ant-3_2462



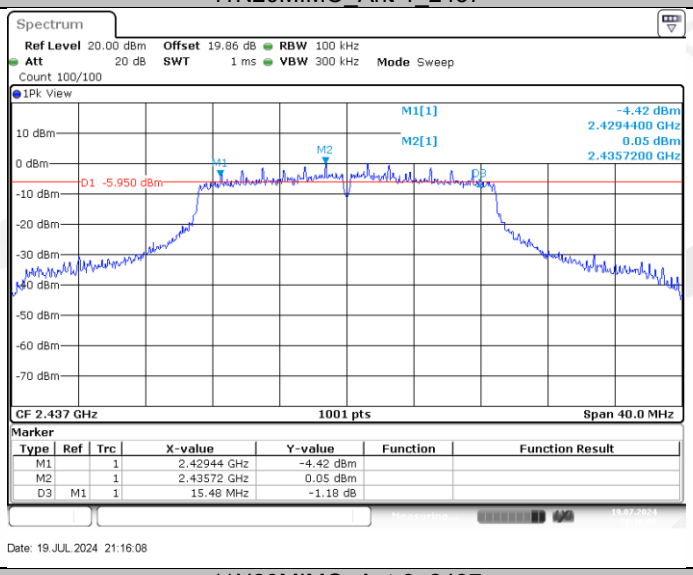

11N20MIMO_Ant-1_2412



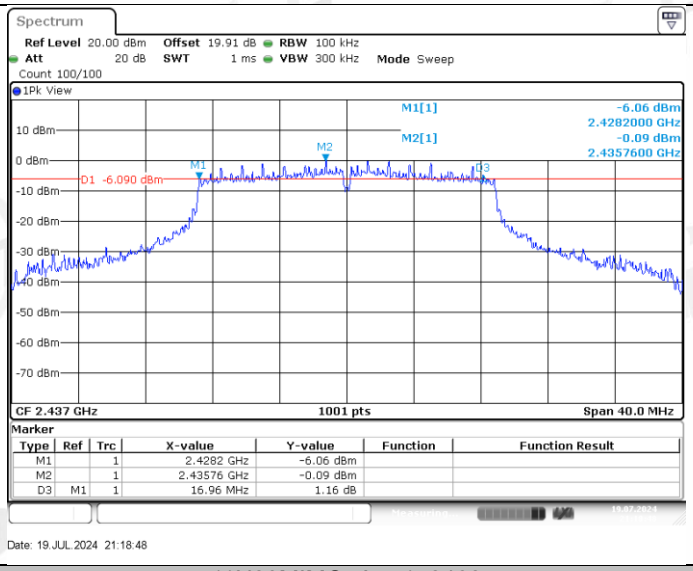

11N20MIMO_Ant-3_2412



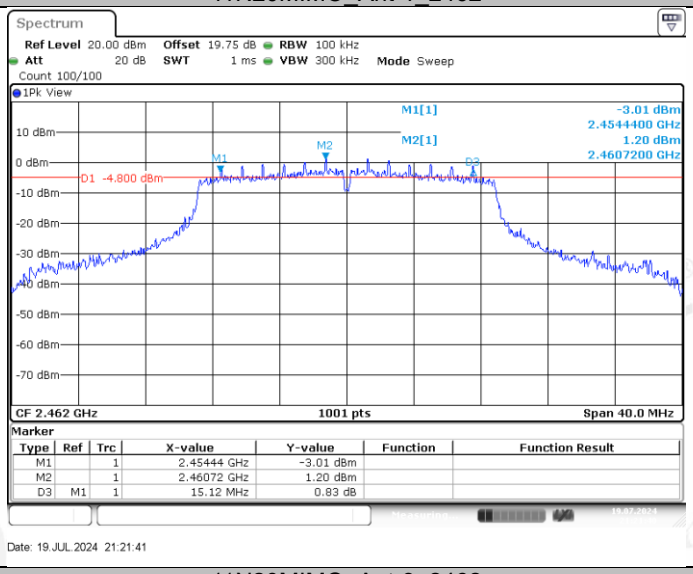

11N20MIMO_Ant-1_2437



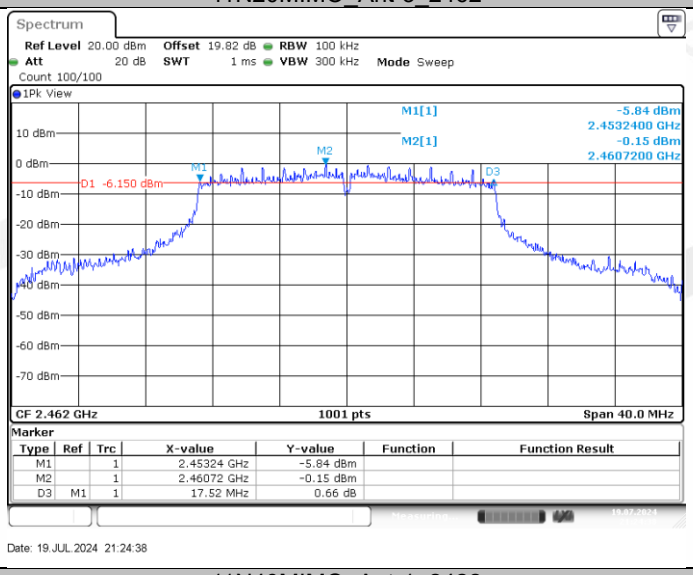

11N20MIMO_Ant-3_2437



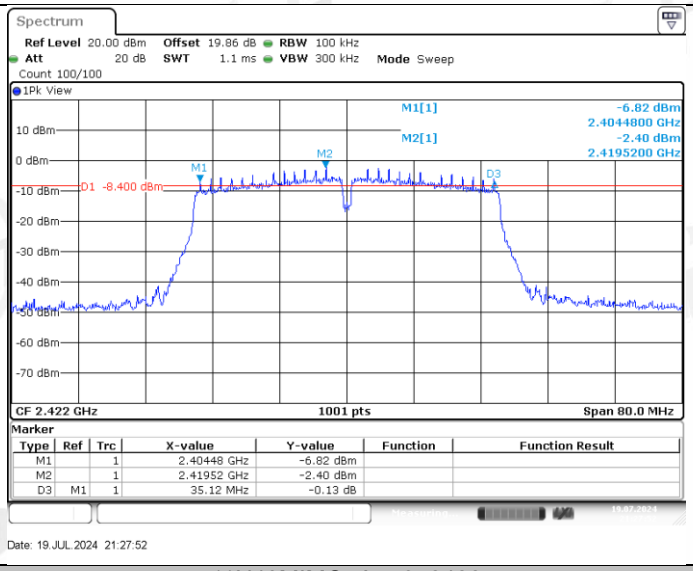

11N20MIMO_Ant-1_2462



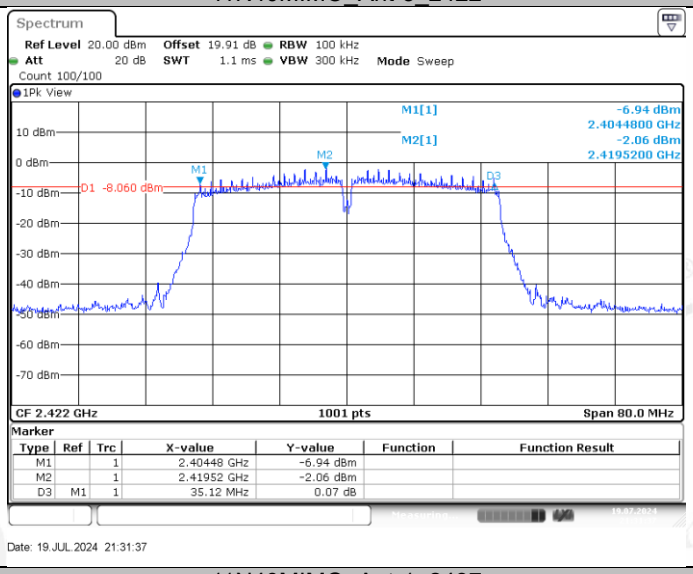

11N20MIMO_Ant-3_2462



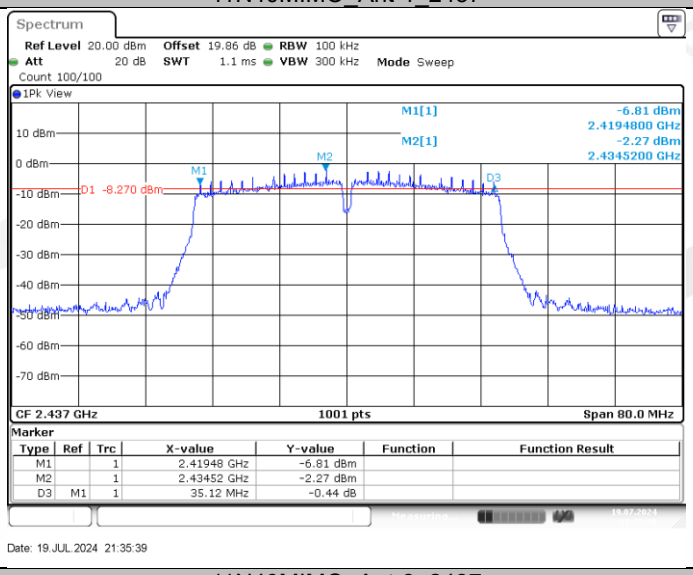

11N40MIMO_Ant-1_2422



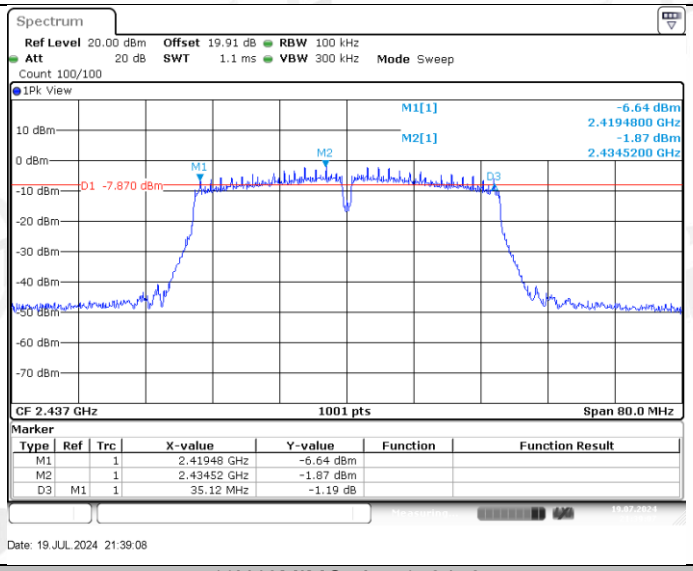

11N40MIMO_Ant-3_2422



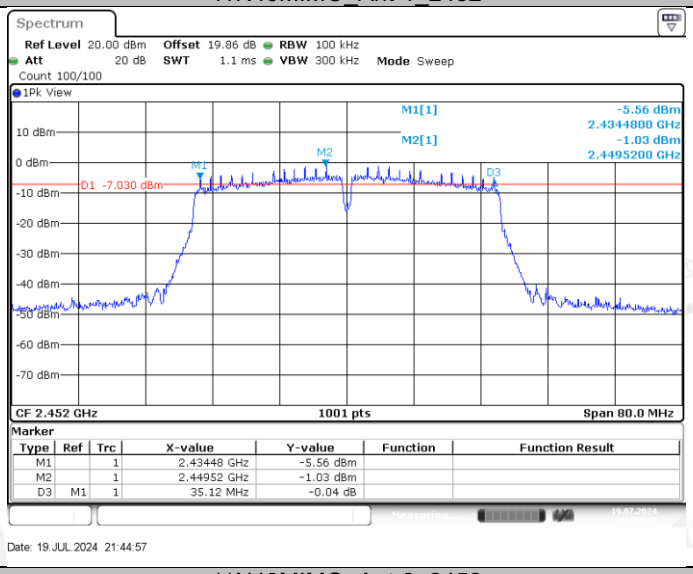

11N40MIMO_Ant-1_2437



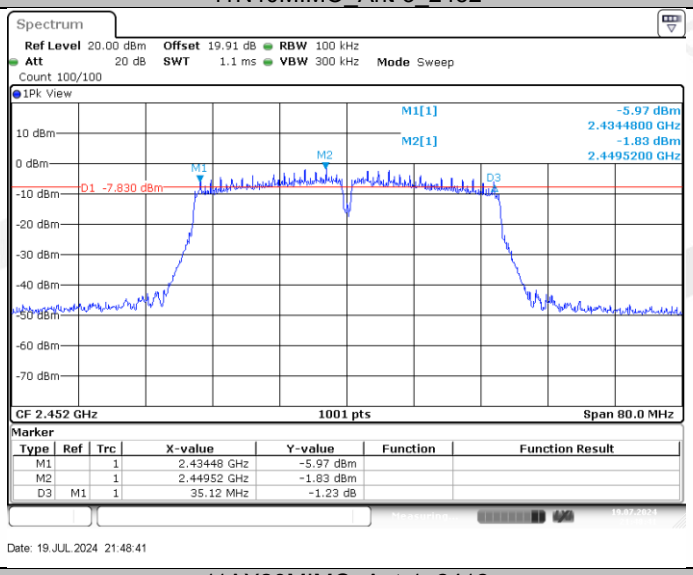

11N40MIMO_Ant-3_2437



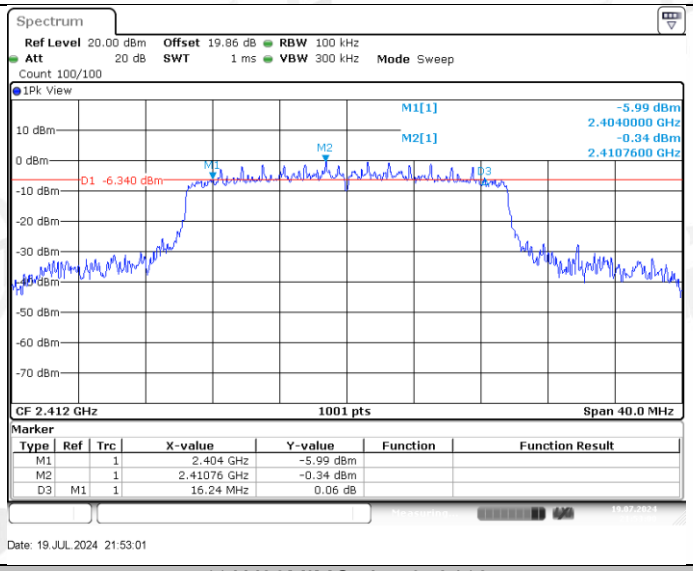

11N40MIMO_Ant-1_2452



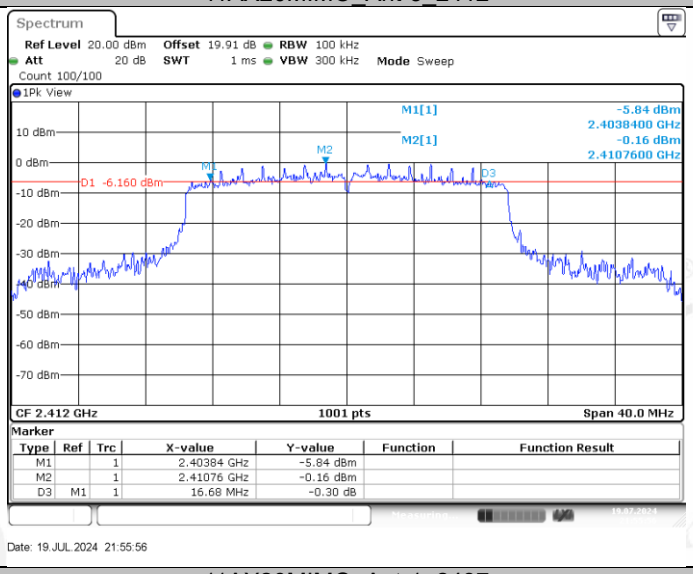

11N40MIMO_Ant-3_2452



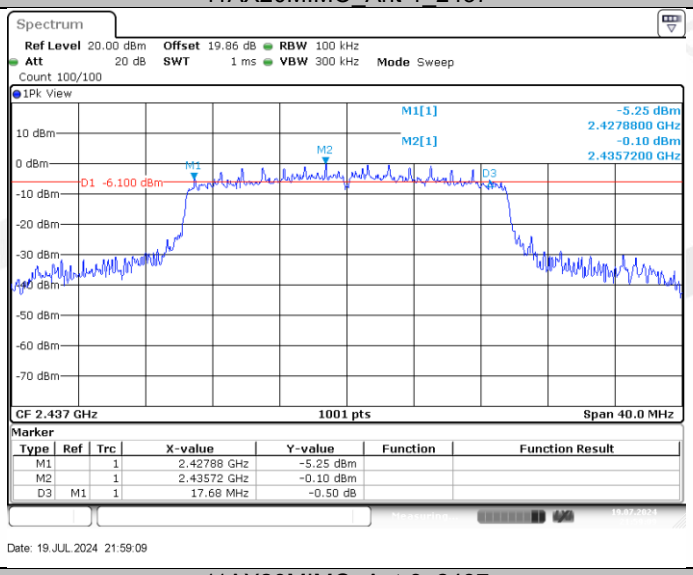

11AX20MIMO_Ant-1_2412



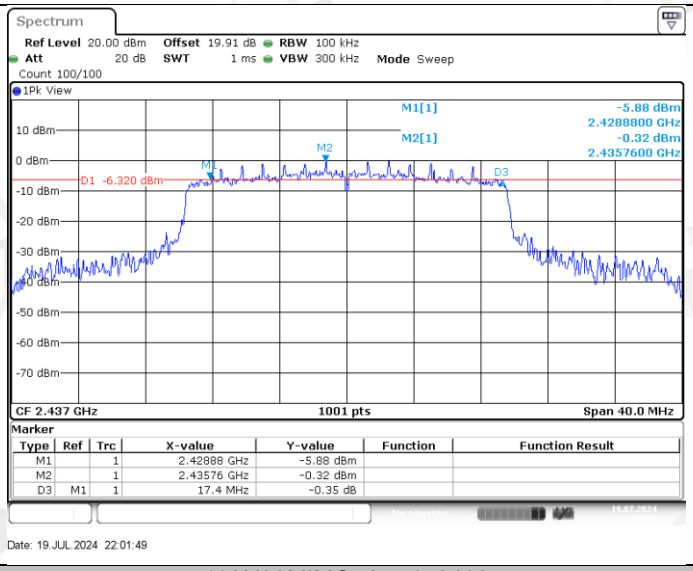

11AX20MIMO_Ant-3_2412



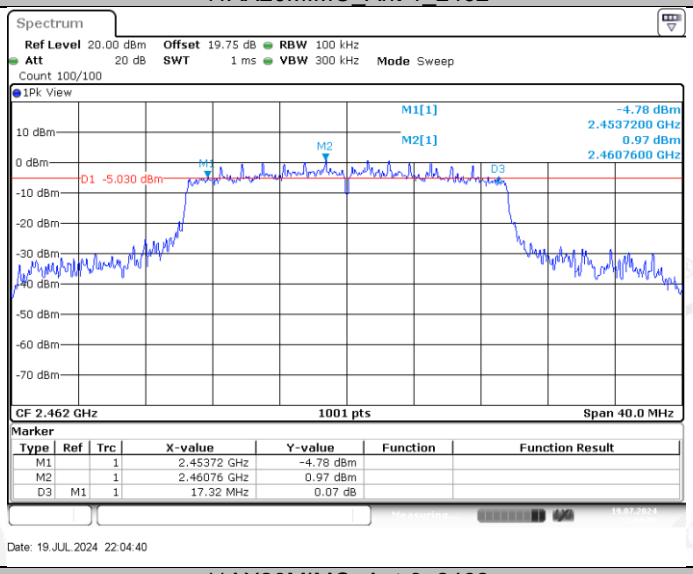

11AX20MIMO_Ant-1_2437



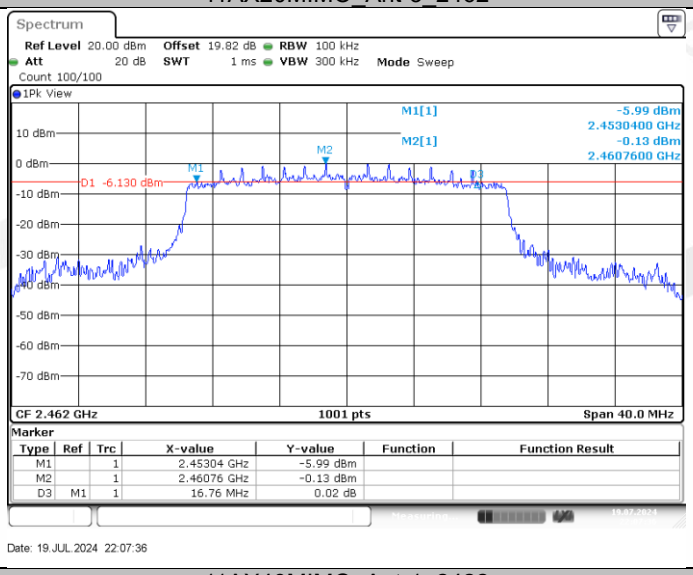

11AX20MIMO_Ant-3_2437



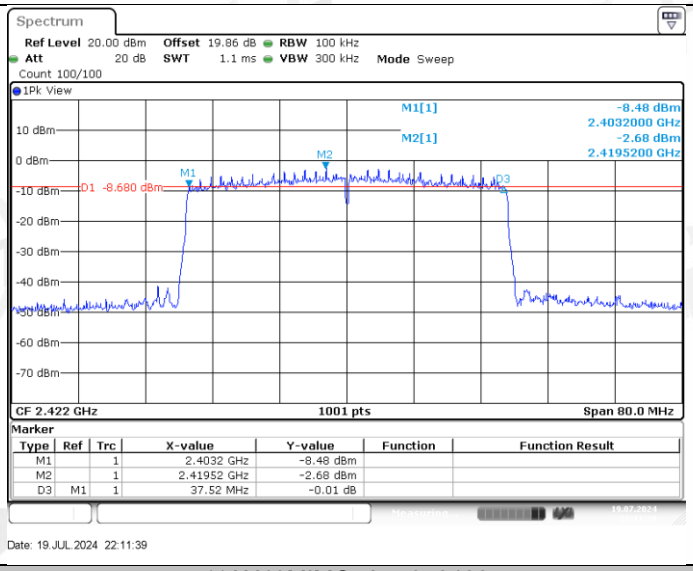

11AX20MIMO_Ant-1_2462



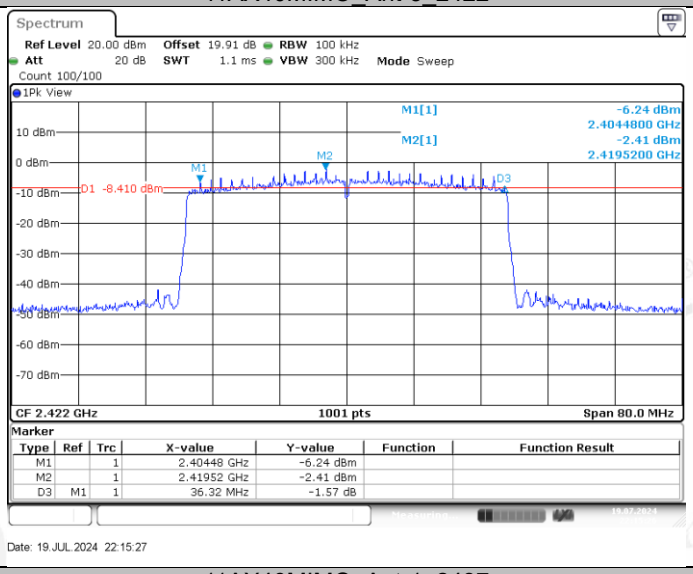

11AX20MIMO_Ant-3_2462



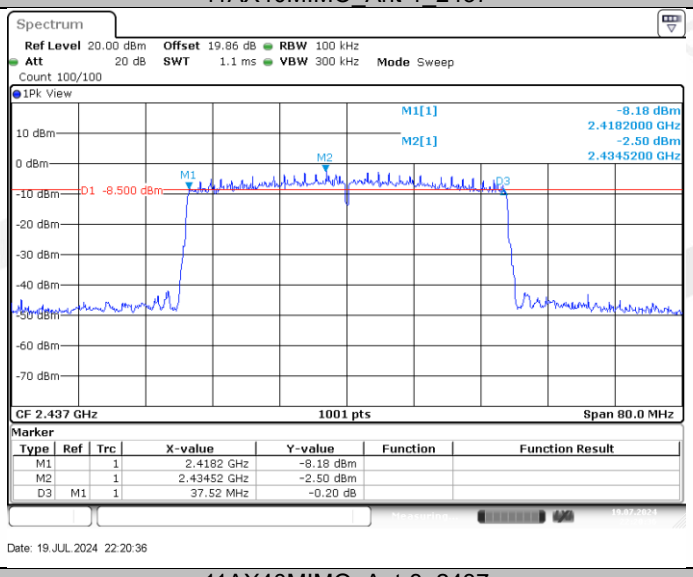

11AX40MIMO_Ant-1_2422



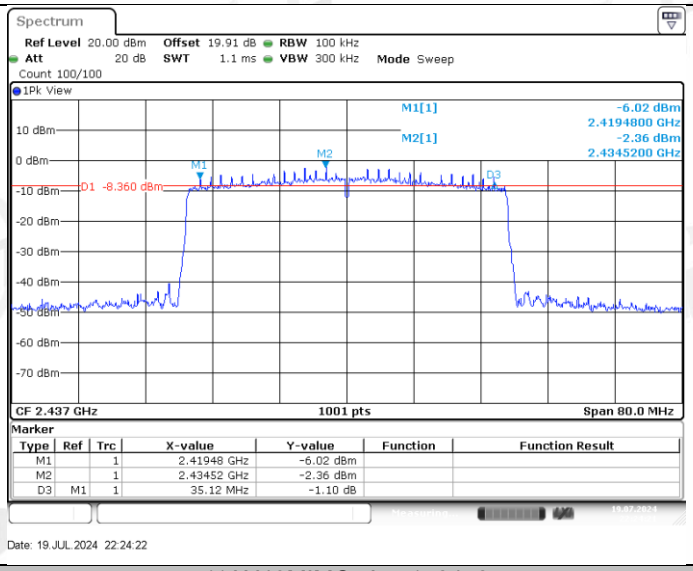

11AX40MIMO_Ant-3_2422



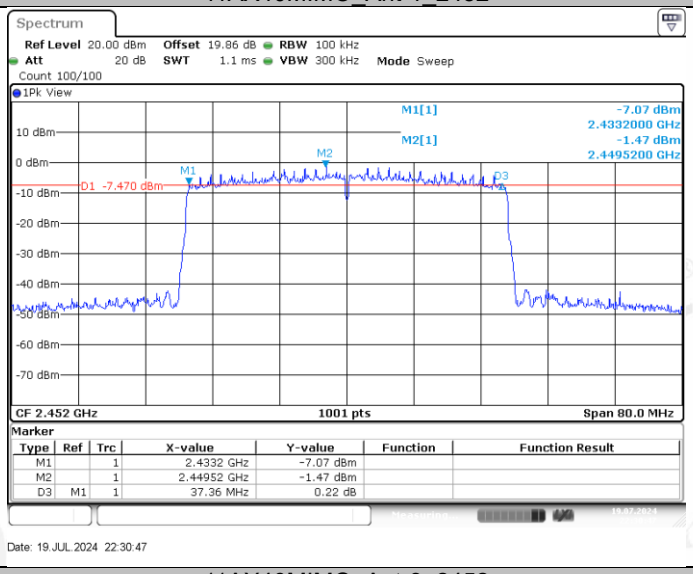

11AX40MIMO_Ant-1_2437



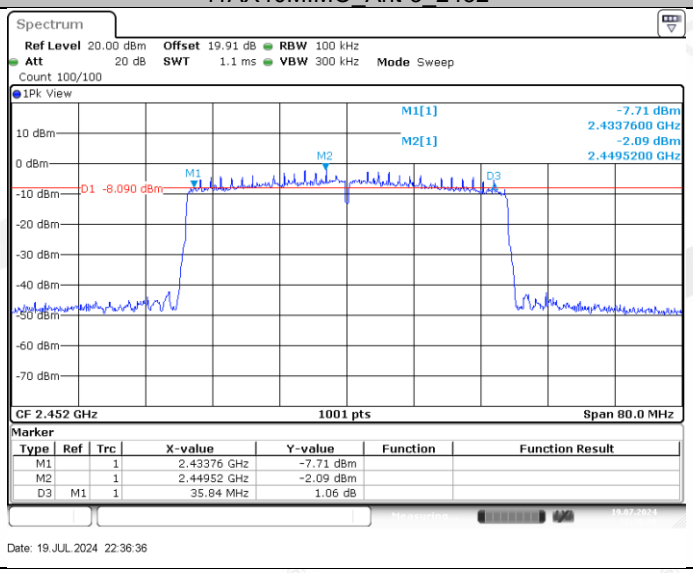

11AX40MIMO_Ant-3_2437



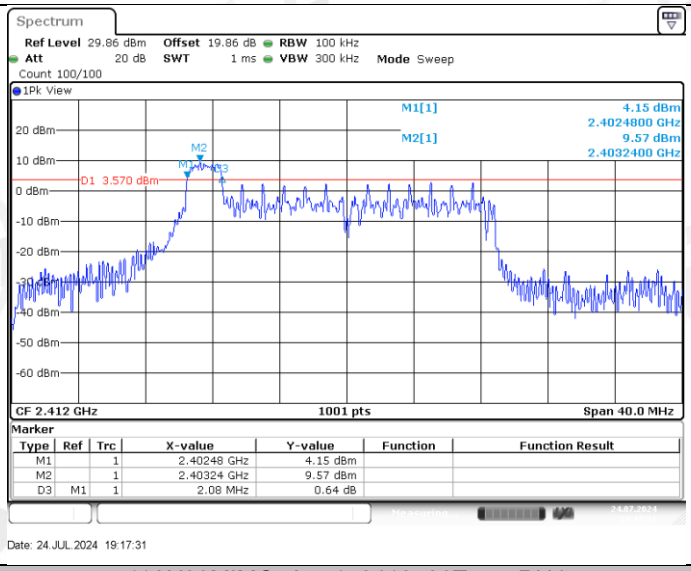

11AX40MIMO_Ant-1_2452



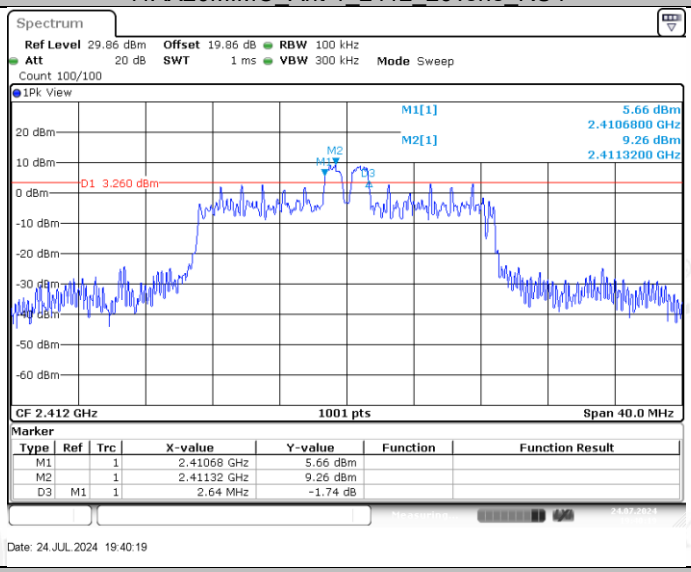

11AX40MIMO_Ant-3_2452



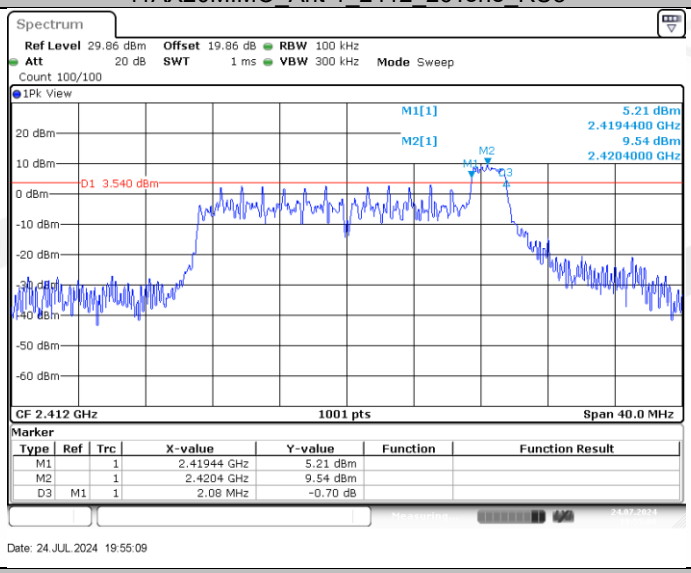

11AX20MIMO_Ant-1_2412_26Tone_RU0



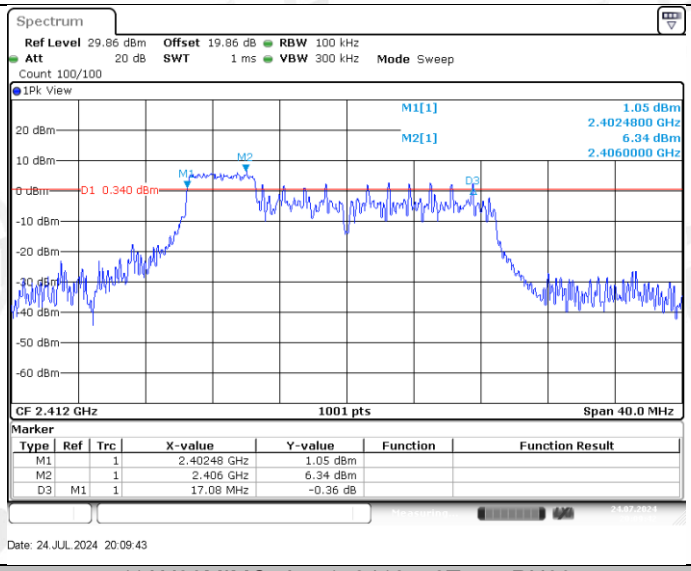

11AX20MIMO_Ant-1_2412_26Tone_RU4



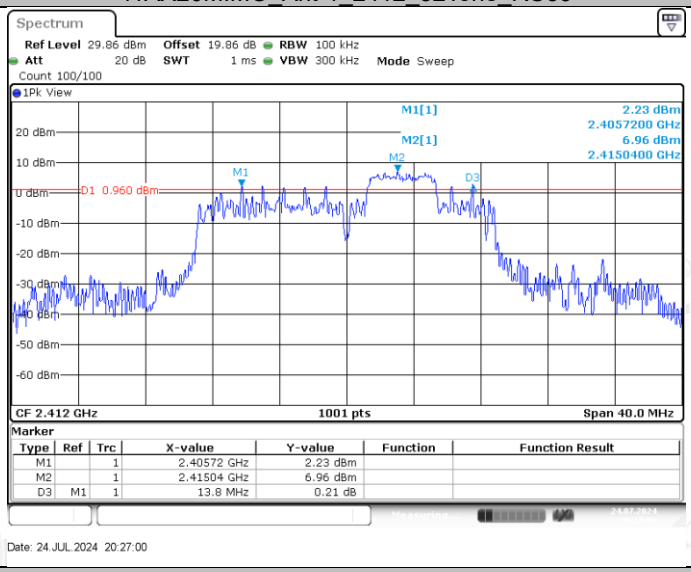

11AX20MIMO_Ant-1_2412_26Tone_RU8



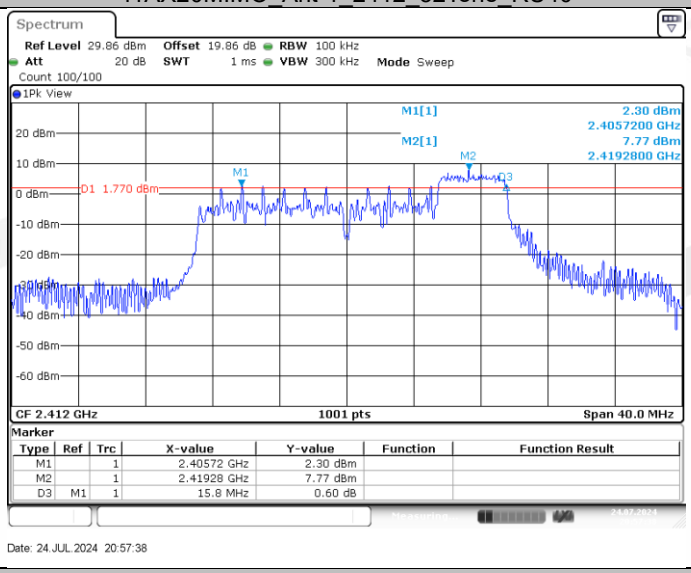

11AX20MIMO_Ant-1_2412_52Tone_RU37



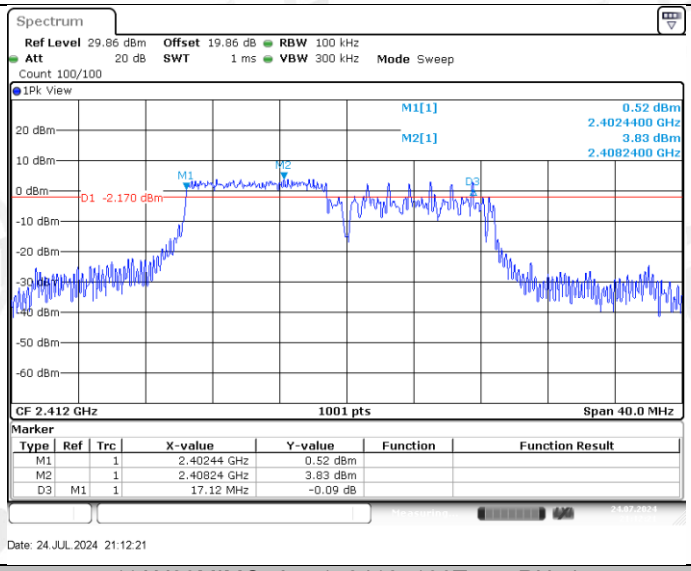

11AX20MIMO_Ant-1_2412_52Tone_RU39



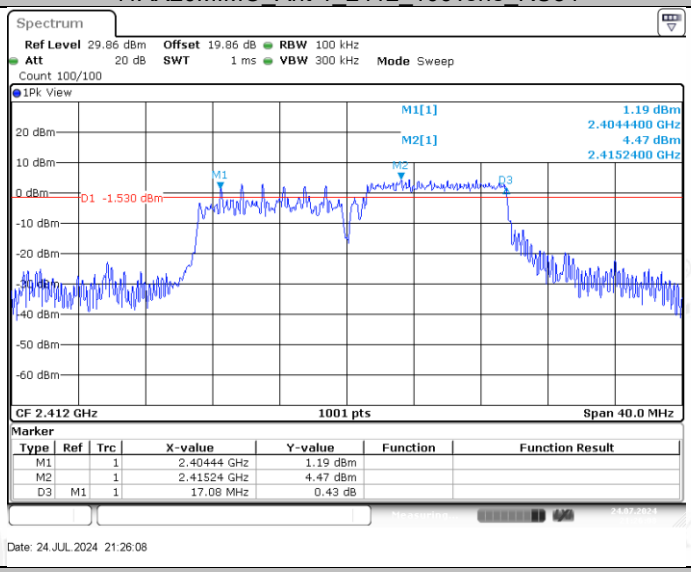

11AX20MIMO_Ant-1_2412_52Tone_RU40



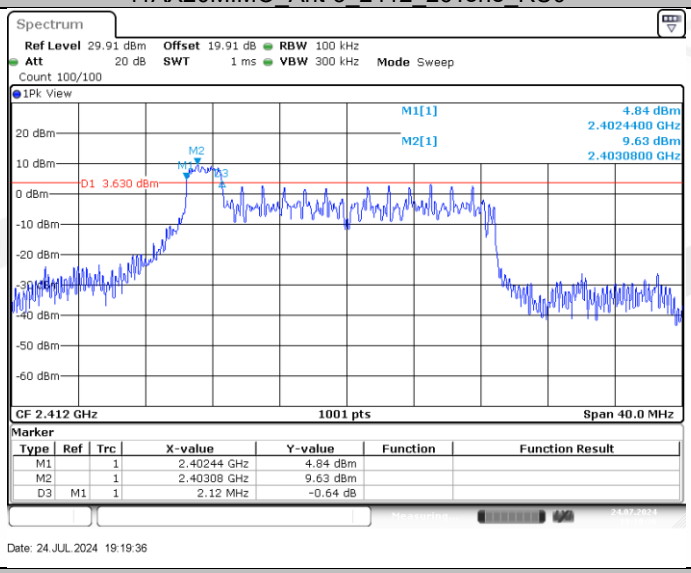

11AX20MIMO_Ant-1_2412_106Tone_RU53



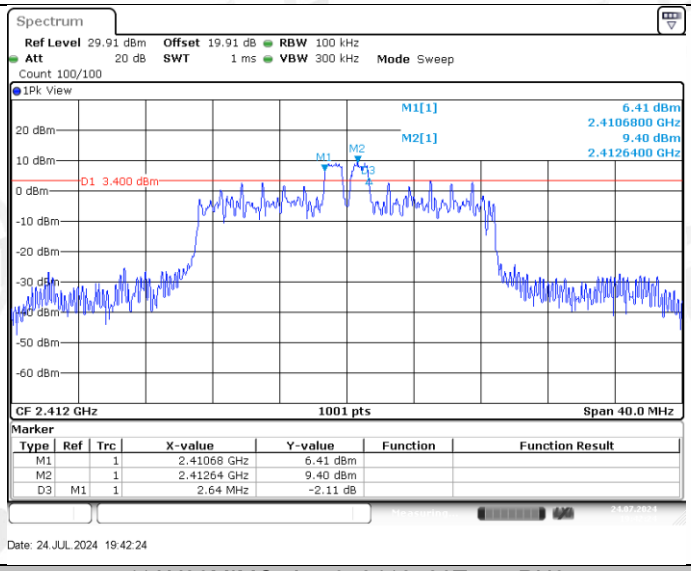

11AX20MIMO_Ant-1_2412_106Tone_RU54



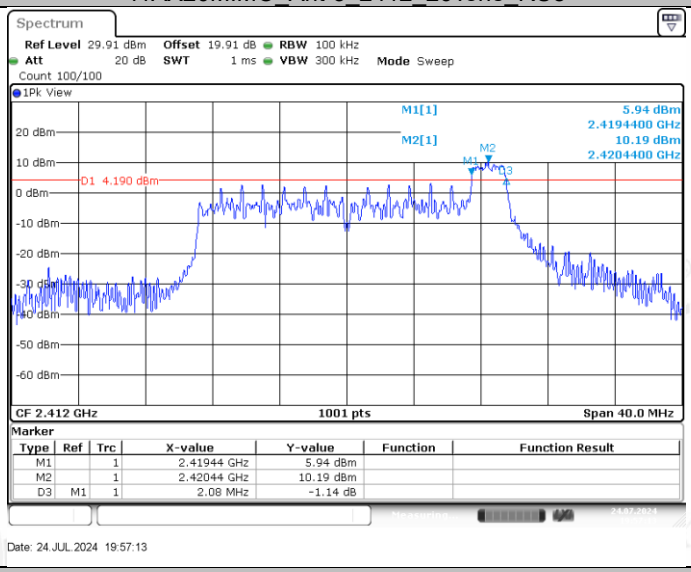

11AX20MIMO_Ant-3_2412_26Tone_RU0



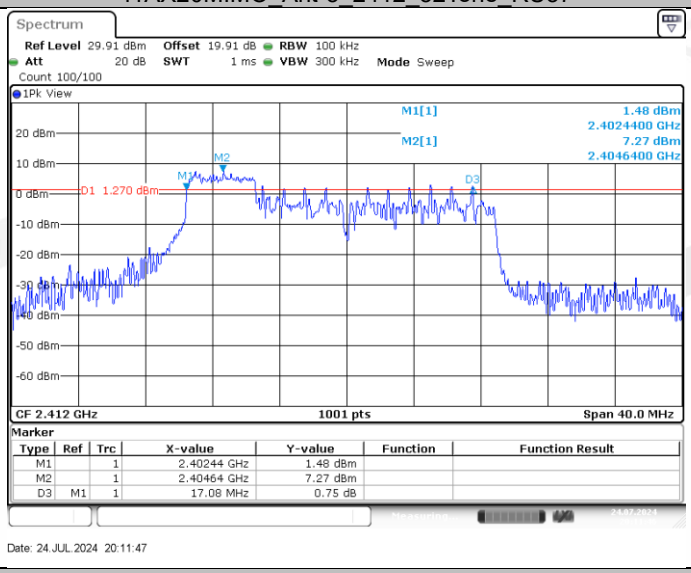

11AX20MIMO_Ant-3_2412_26Tone_RU4



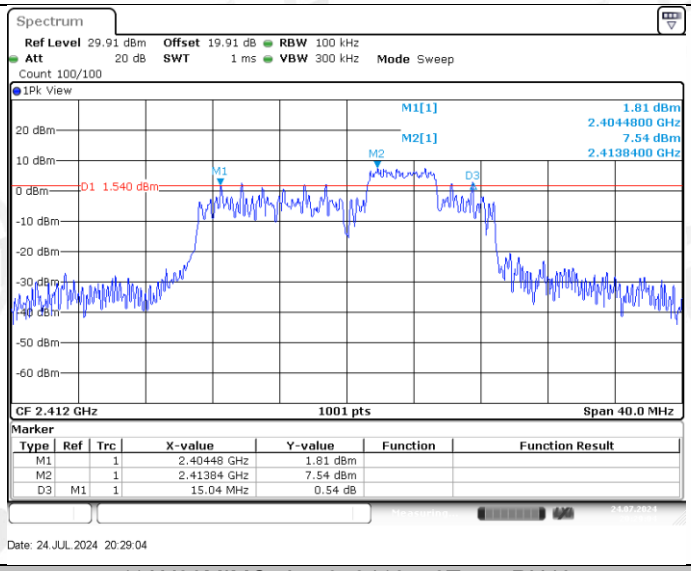

11AX20MIMO_Ant-3_2412_26Tone_RU8



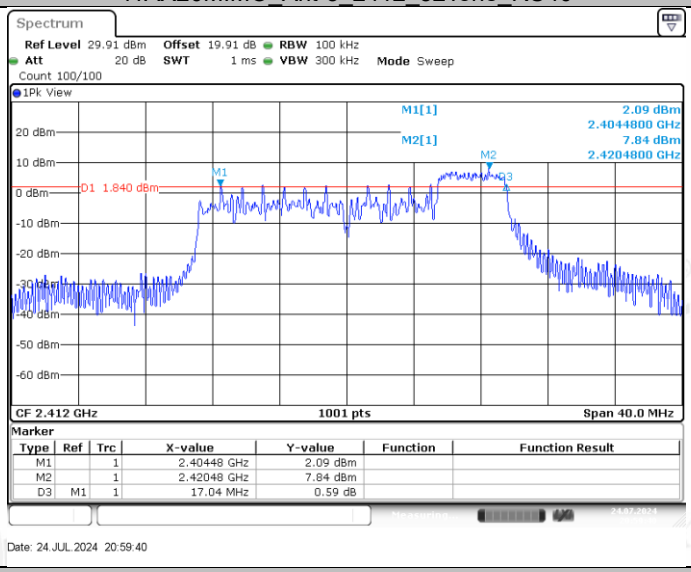

11AX20MIMO_Ant-3_2412_52Tone_RU37



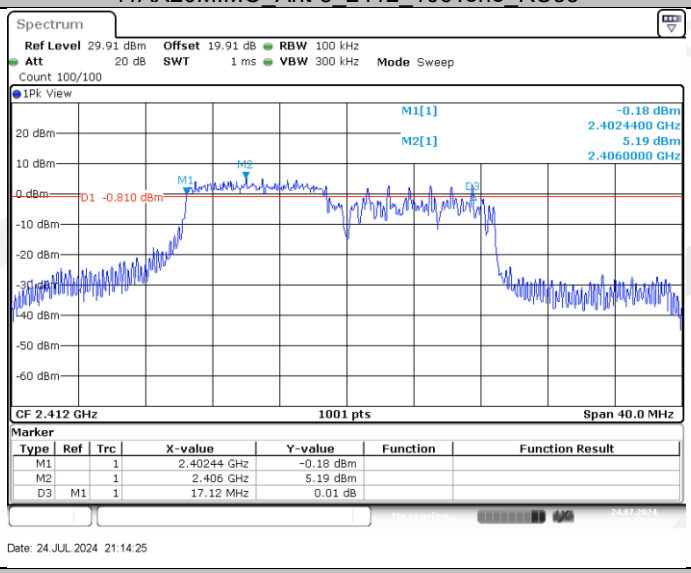

11AX20MIMO_Ant-3_2412_52Tone_RU39



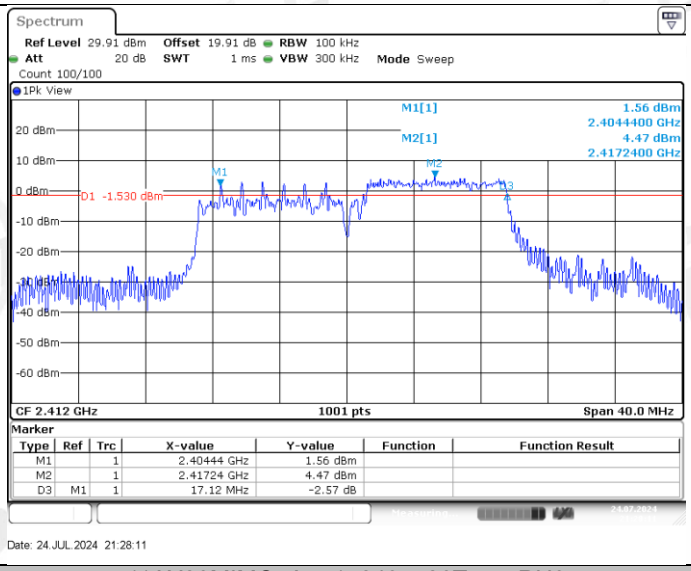

11AX20MIMO_Ant-3_2412_52Tone_RU40



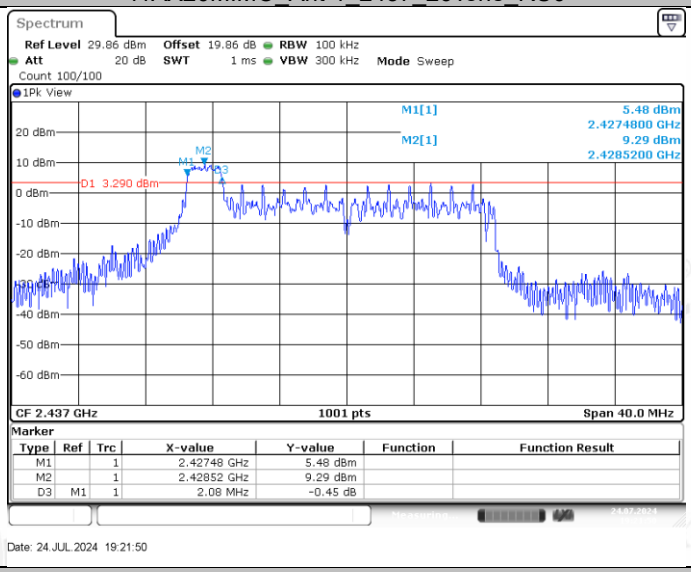

11AX20MIMO_Ant-3_2412_106Tone_RU53



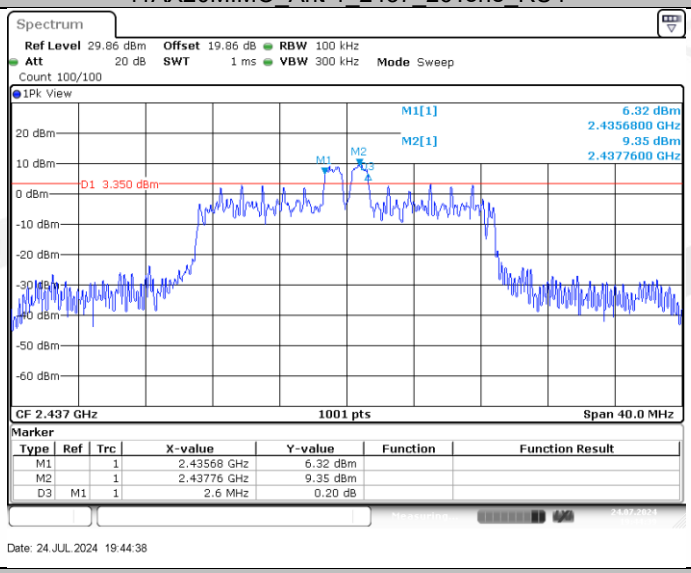

11AX20MIMO_Ant-3_2412_106Tone_RU54



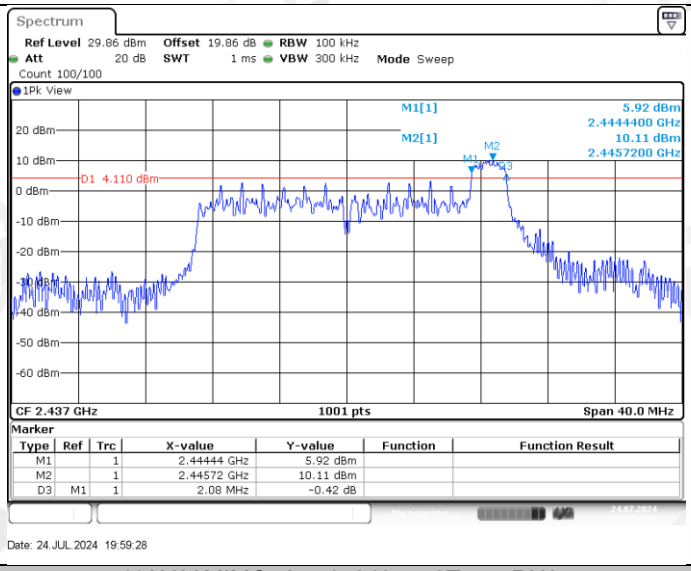

11AX20MIMO_Ant-1_2437_26Tone_RU0



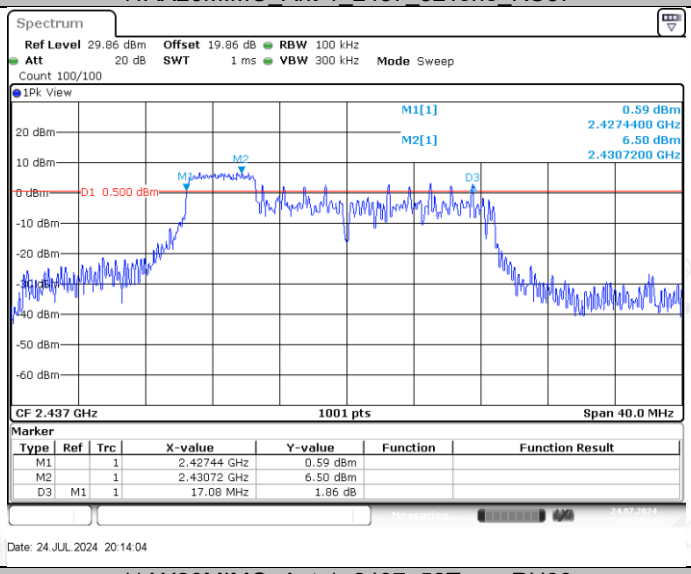

11AX20MIMO_Ant-1_2437_26Tone_RU4



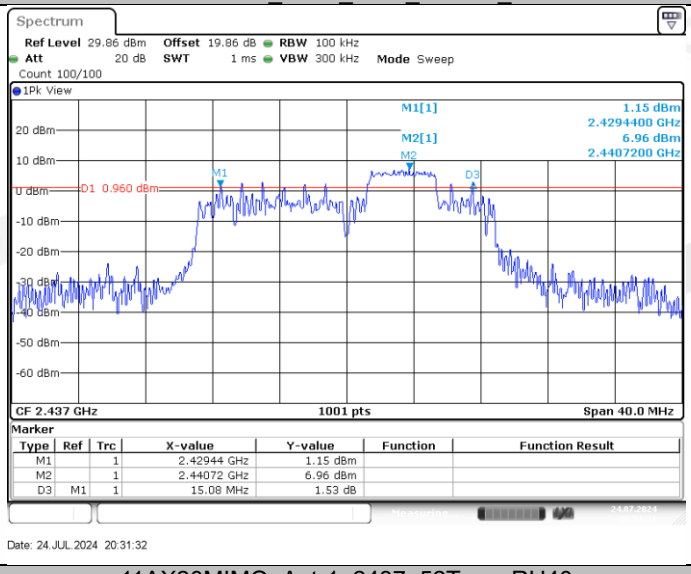

11AX20MIMO_Ant-1_2437_26Tone_RU8



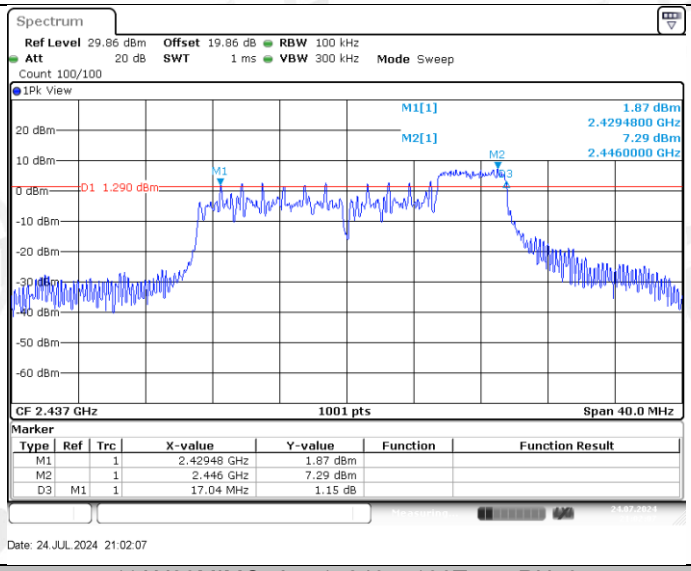

11AX20MIMO_Ant-1_2437_52Tone_RU37



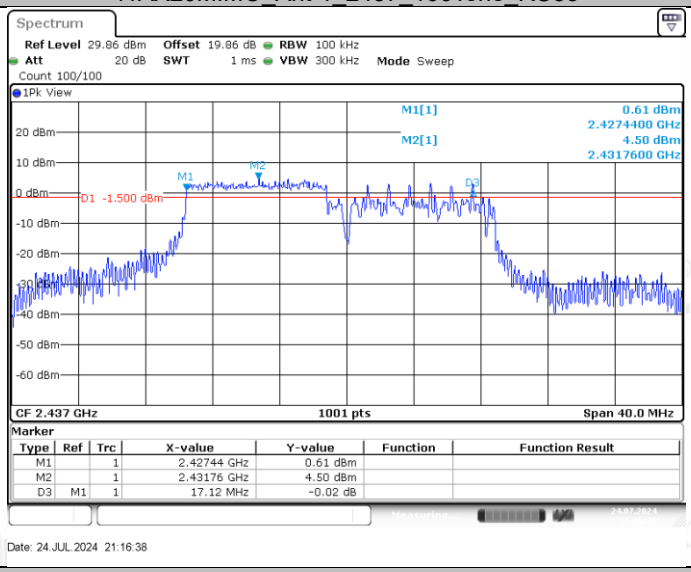

11AX20MIMO_Ant-1_2437_52Tone_RU39



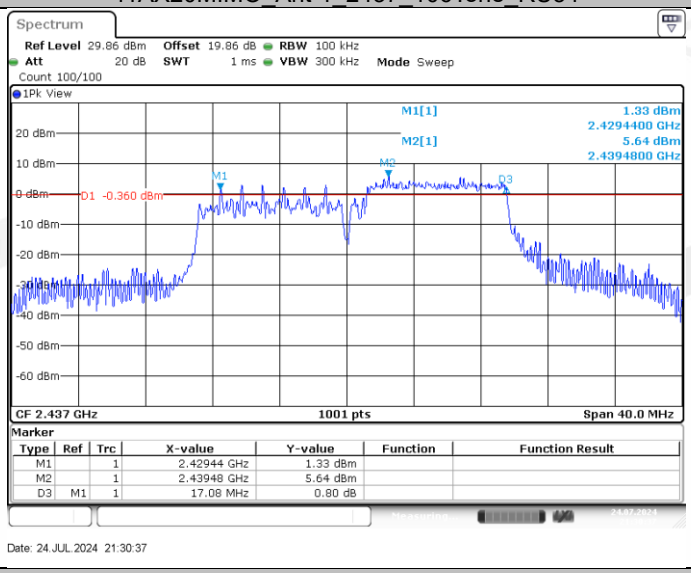

11AX20MIMO_Ant-1_2437_52Tone_RU40



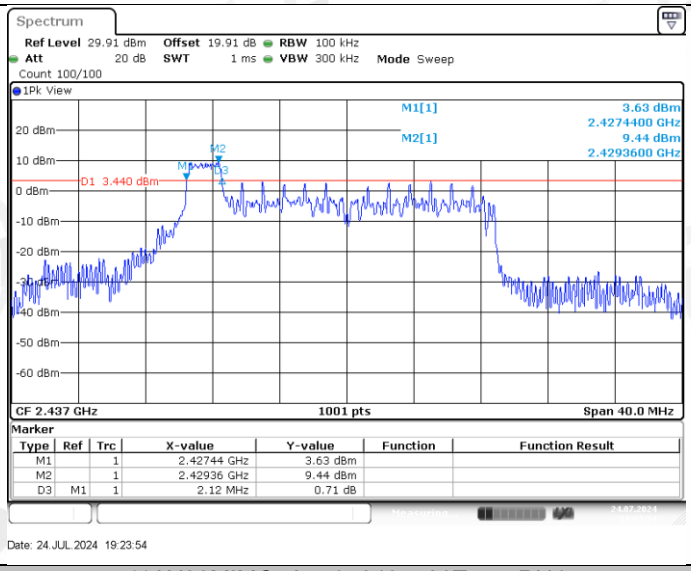

11AX20MIMO_Ant-1_2437_106Tone_RU53



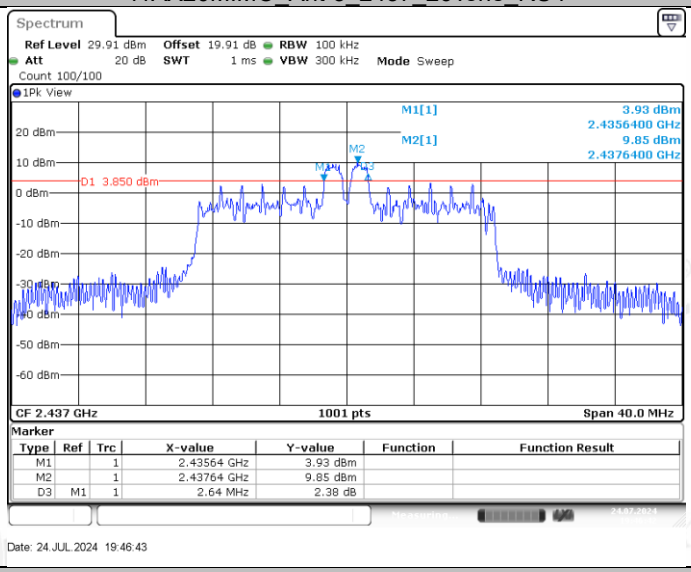

11AX20MIMO_Ant-1_2437_106Tone_RU54



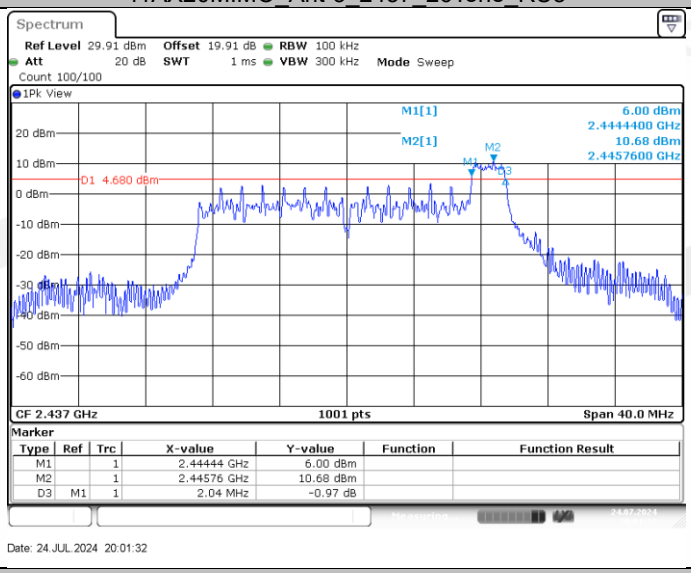

11AX20MIMO_Ant-3_2437_26Tone_RU0



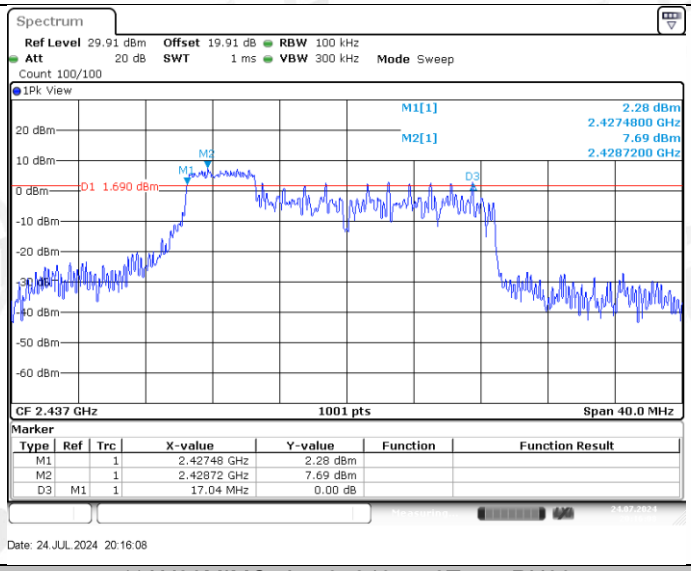

11AX20MIMO_Ant-3_2437_26Tone_RU4



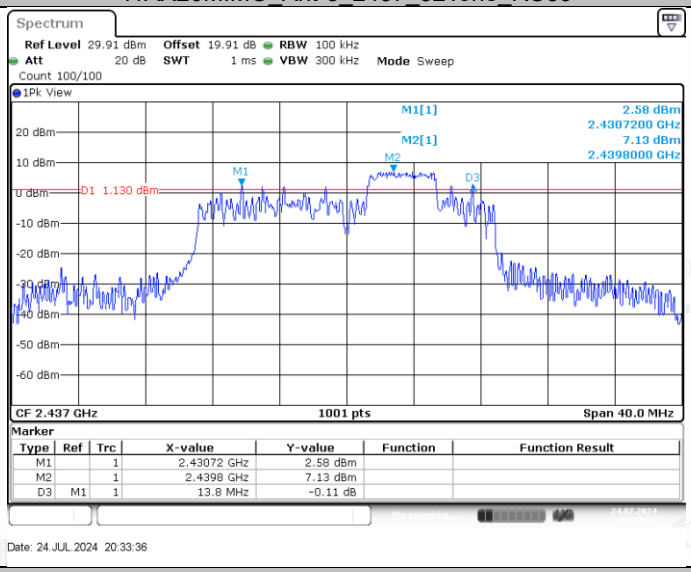

11AX20MIMO_Ant-3_2437_26Tone_RU8



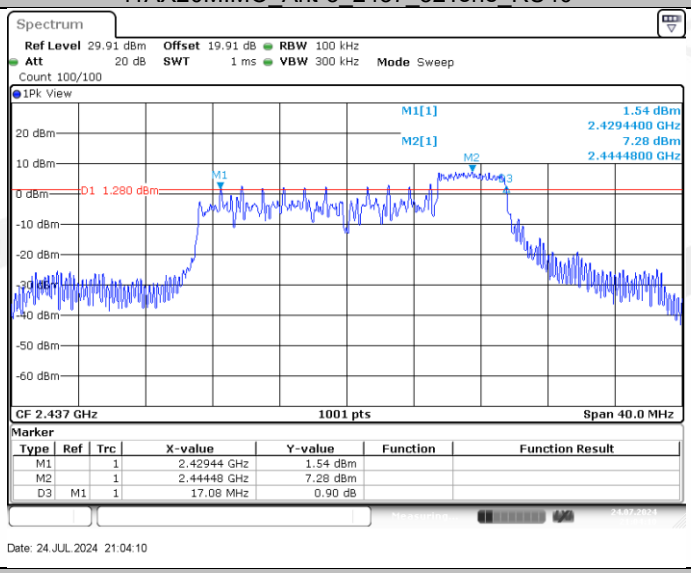

11AX20MIMO_Ant-3_2437_52Tone_RU37



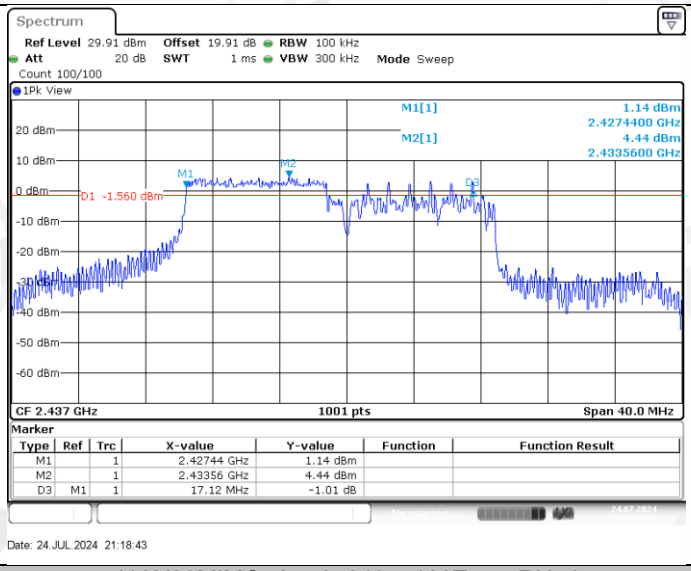

11AX20MIMO_Ant-3_2437_52Tone_RU39



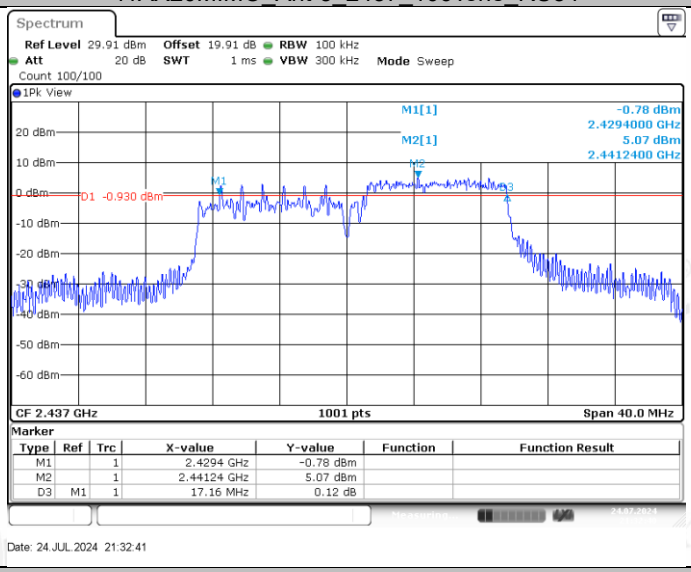

11AX20MIMO_Ant-3_2437_52Tone_RU40



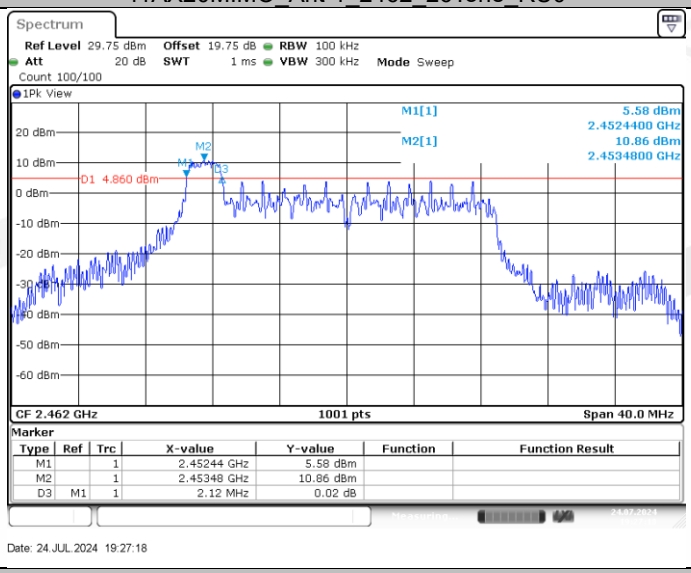

11AX20MIMO_Ant-3_2437_106Tone_RU53




11AX20MIMO_Ant-3_2437_106Tone_RU54




11AX20MIMO_Ant-1_2462_26Tone_RU0




11AX20MIMO_Ant-1_2462_26Tone_RU4