# FCC PART 15C
# TEST REPORT
## No.25T04Z100363-007

**for**

**Luxshare Precision Limited**

**5G Mobile Phone**

**TMRV08P5G**

**FCC ID: 2BNRMTMRV08P5G**

**with**

**Hardware Version: v1.0**

**Software Version: TMRV08P5G_0.02.01**

**Issued Date: 2025-06-04**

**Note:**

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

**Test Laboratory:**

**CTTL-Telecommunication Technology Labs, CAICT**

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Email: cttl_terminals@caict.ac.cn, website: www.caict.ac.cn

# REPORT HISTORY

| Report Number | Revision | Description | Issue Date |
|---|---|---|---|
| 25T04Z100363-007 | Rev.0 | 1st edition | 2025-06-04 |

Note: the latest revision of the test report supersedes all previous version.

# CONTENTS

# 1. Test Laboratory

## 1.1. Introduction & Accreditation

**Telecommunication Technology Labs, CAICT** is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

## 1.2. Testing Location

Location 1:CTTL(Gaolizhang Road)

Address: Cuihu Cloud Center, No.1, Gaolizhang Road, Wenquan, Haidian District, Beijing, China

Location 2:CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing, 100191, P. R. China

## 1.3. Testing Environment

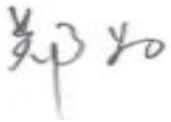
Normal Temperature: 15-35°C
Relative Humidity: 20-75%

## 1.4. Project date

Testing Start Date: 2025-03-31
Testing End Date: 2025-04-23

## 1.5. Signature

**Dong Jiaxuan**
**( Prepared this test report )**



**Zheng Wei**
**(Reviewed this test report)**

**Pang Shuai**
**(Approved this test report)**

# 2. Client Information

## 2.1. Applicant Information

| | |
|---|---|
| Company Name: | Luxshare Precision Limited |
| Address: | Suite 1621, 16/F., Ocean Centre, Harbour City, 5 Canton Road, Tsim Sha Tsui, Kowloon. |
| Contact: | Ri Sa |
| Email: | Rui.Sha@luxshare-ict.com |
| Telephone: | +8613917939276 |
| Fax: | / |

## 2.2. Manufacturer Information

| | |
|---|---|
| Company Name: | Luxshare Precision Limited |
| Address: | Suite 1621, 16/F., Ocean Centre, Harbour City, 5 Canton Road, Tsim Sha Tsui, Kowloon. |
| Contact: | Ri Sa |
| Email: | Rui.Sha@luxshare-ict.com |
| Telephone: | +8613917939276 |
| Fax: | / |

# 3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

## 3.1. About EUT

| | |
|---|---|
| Description | 5G Mobile Phone |
| Model name | TMRV08P5G |
| FCC ID | 2BNRMTMRV08P5G |
| With WLAN Function | Yes |
| Frequency Band | ISM 2400MHz~2483.5MHz |
| Type of Modulation | DSSS/CCK/OFDM |
| Number of Channels | 11 |
| Antenna | Integral Antenna |
| MAX Conducted Power | 29.04dBm |
| Nominal Voltage | 3.87V |

## 3.2. Internal Identification of EUT

| EUT ID* | SN or IMEI | HW Version | SW Version | Date of receipt |
|---|---|---|---|---|
| UT27a | 861370070001529/ 861370070001537 | V1.0 | TMRV08P5G_0.02.01 | 2025-3-28 |
| UT84a | 861370070020602/ 861370070020610 | V1.0 | TMRV08P5G_0.02.01 | 2025-3-28 |

*EUT ID: is used to identify the test sample in the lab internally.

UT27a is used for Conduction test, UT84a is used for Radiation test.

## 3.3. Internal Identification of AE

| AE ID* | Description | Note | Manufacturer |
|---|---|---|---|
| AE1 | Battery | TM002 | Jiade Energy Technology(Zhuhai) Co,.Ltd. |
| AE2 | Charger | / | / |
| AE3 | USB cable | HX-WT-58 | WASHIN |

*AE ID: is used to identify the test sample in the lab internally.

## 3.4. General Description

The Equipment under Test (EUT) is a model of 5G Mobile Phone with integrated antenna and inbuilt battery.

It consists of normal options: travel charger, USB cable.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

## 3.5. Interpretation of the Test Environment

For the test methods, the test environment uncertainty figures correspond to an expansion factor k=2.

Measurement Uncertainty

| Parameter | Uncertainty |
|---|---|
| temperature | 0.48°C |
| humidity | 2 % |
| DC voltages | 0.003V |

# 4. Reference Documents

## 4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

## 4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

| Reference | Title | Version |
|---|---|---|
| FCC Part15 | FCC CFR 47, Part 15, Subpart C:<br>15.205 Restricted bands of operation;<br>15.209 Radiated emission limits, general requirements;<br>15.247 Operation within the bands 902-928MHz,<br>2400-2483.5 MHz, and 5725-5850 MHz. | 2021 |
| ANSI C63.10 | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices | 2013 |
| KDB 558074 D01 | Federal Communications Commission Office of Engineering and Technology Laboratory Division<br>GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES | 2019 |

Note:KDB 558074 D01 is not in the scope of ISO/IEC 17025 accreditation by A2LA.

# 5. LABORATORY ENVIRONMENT

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-anechoic chamber.

# 6. Test Results

## 6.1. Summary of Test Results

| SUMMARY OF MEASUREMENT RESULTS | Sub-clause of Part15C | Sub-clause of IC | Verdict |
|---|---|---|---|
| Maximum Peak Output Power | 15.247 (b) | / | **P** |
| Peak Power Spectral Density | 15.247 (e) | / | **P** |
| Occupied 6dB Bandwidth | 15.247 (a) | / | **P** |
| Band Edges Compliance | 15.247 (d) | / | **P** |
| Transmitter Spurious Emission - Conducted | 15.247 (d) | / | **P** |
| Transmitter Spurious Emission - Radiated | 15.247, 15.205, 15.209 | / | **P** |
| AC Powerline Conducted Emission | 15.107, 15.207 | / | **P** |

Please refer to **ANNEX A** for detail.

Terms used in Verdict column

| | |
|---|---|
| P | Pass, The EUT complies with the essential requirements in the standard. |
| NP | Not Perform, The test was not performed by CTTL |
| NA | Not Applicable, The test was not applicable |
| F | Fail, The EUT does not comply with the essential requirements in the standard |

## 6.2. Statements

CTTL has evaluated the test cases as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.

This report only deals with the WLAN function among the features described in section 3.

## 6.3. Test Conditions

For this report, all the test cases are tested under normal temperature and normal voltage, and also under norm humidity, the specific condition is shown as follows:

| | |
|---|---|
| Temperature | 26°C |
| Voltage | 3.87V |
| Humidity | 44% |

## 7. Test Facilities Utilized

### Conducted test system

| No. | Equipment | Model | Serial Number | Manufacturer | Calibration Period | Calibration Due date |
|---|---|---|---|---|---|---|
| 1 | Vector Signal Analyzer | FSW67 | 104051 | Rohde & Schwarz | 1 year | 2025-04-30 |
| 2 | Test Receiver | ESCI 3 | 100344 | R&S | 2 years | 2026-04-01 |
| 3 | LISN | ENV216 | 101200 | R&S | 2 years | 2026-05-16 |
| 4 | Attenuator | 10dB/2W | / | Rosenberger | / | / |
| 5 | Power Sensor | U2021XA | MY54460006 | Agilent | 1 year | 2025-06-17 |
| 6 | Data Acquisition Unit | U2531A | TW54433522 | Agilent | / | / |
| 7 | Shielding Room | S81 | / | ETS-Lindgren | / | / |

### Radiated emission test system

| No. | Equipment | Model | Serial Number | Manufacturer | Calibration Period | Calibration Due date |
|---|---|---|---|---|---|---|
| 1 | Test Receiver | ESW44 | 103023 | R&S | 1 year | 2025-06-06 |
| 2 | EMI Antenna | VULB 9163 | 01222 | SCHWARZBECK | 1 year | 2025-09-11 |
| 3 | EMI Antenna | 3115 | 00167250 | ETS-Lindgren | 2 years | 2026-04-11 |
| 4 | Bluetooth Tester | CBT | 101042 | R&S | 1 year | 2026-01-20 |

| Test software information(HL) | | |
|---|---|---|
| **Test Item** | **Software** | **Manufacturer** |
| AC Powerline Conducted Emission | EMC32 V8.53.0 | R&S |
| Radiated Unwanted Emission | EMC32 V11.50.00 | R&S |

# 8. Measurement Uncertainty

## 8.1. Maximum Output Power

Measurement Uncertainty: 0.387dB,k=1.96

## 8.2. Peak Power Spectral Density

Measurement Uncertainty: 0.705dB,k=1.96

## 8.3. DTS 6-dB Signal Bandwidth

Measurement Uncertainty: 60.80Hz,k=1.96

## 8.4. Band Edges Compliance

Measurement Uncertainty : 0.62dB,k=1.96

## 8.5. Transmitter Spurious Emission

**Conducted (k=1.96)**

| Frequency Range | Uncertainty(dB) |
|---|---|
| 30MHz ≤ f ≤ 2GHz | 1.22 |
| 2GHz ≤ f ≤3.6GHz | 1.22 |
| 3.6GHz ≤ f ≤8GHz | 1.22 |
| 8GHz ≤ f ≤12.75GHz | 1.51 |
| 12.75GHz ≤ f ≤26GHz | 1.51 |
| 26GHz ≤ f ≤40GHz | 1.59 |

**Radiated (k=2)**

| Frequency Range | Uncertainty(dB) |
|---|---|
| 9kHz-30MHz | / |
| 30MHz ≤ f ≤ 1GHz | 4.72 |
| 1GHz ≤ f ≤18GHz | 4.84 |
| 18GHz ≤ f ≤40GHz | 5.12 |

## 8.6. AC Power-line Conducted Emission

Measurement Uncertainty : 3.08dB,k=2

# ANNEX A: Detailed Test Results

## A.1. Measurement Method

### A.1.1. Conducted Measurements

Connect the EUT to the test system as Fig.A.1.1.1 shows.
Set the EUT to the required work mode.
Set the EUT to the required channel.
Set the Vector Signal Analyzer and start measurement.
Record the values. Vector Signal Analyzer

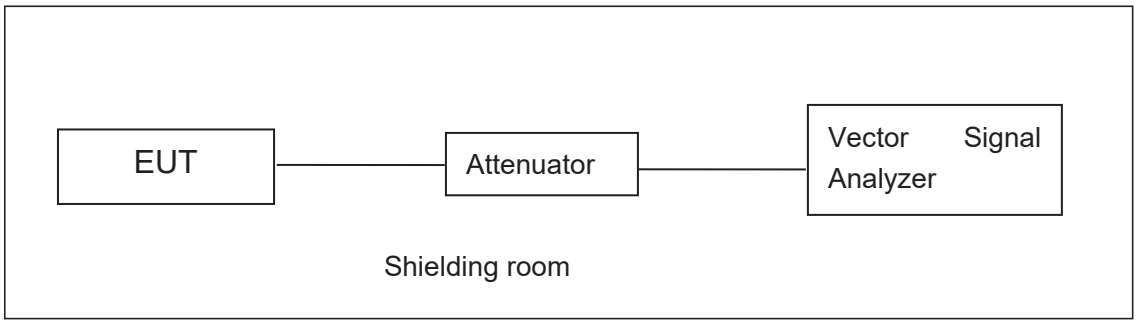



**Fig.A.1.1.1: Test Setup Diagram for Conducted Measurements**

### A.1.2. Radiated Emission Measurements

In the case of radiated emission, the used settings are as follows,
Sweep frequency from 30 MHz to 1GHz, RBW = 100 kHz, VBW = 300 kHz;
Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 3MHz;

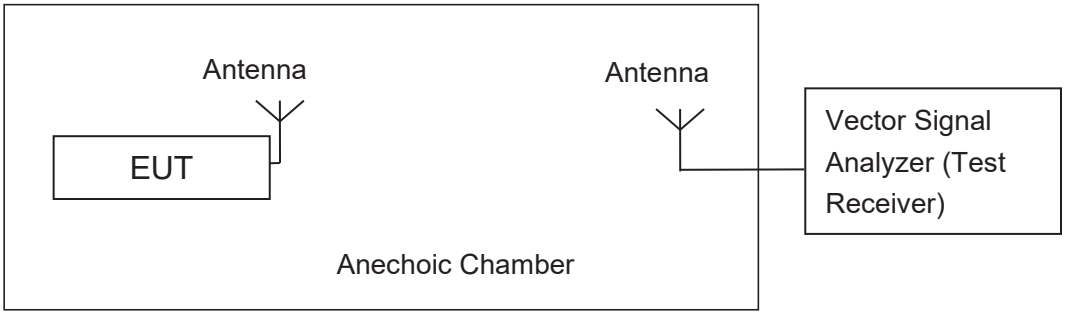



**Fig.A.1.2.1: Test Setup Diagram for Radiated Measurements**

## A.2. Maximum Output Power

**Method of Measurement: See ANSI C63.10-2013-clause 11.9.1.3**

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

**Measurement Limit:**

| Standard | Limit (dBm) |
|---|---|
| FCC CRF Part 15.247(b) | < 30 |

### A.2.1 Antenna Gain

Antenna gain is -4.61dBi/-3.51dBi(Ant6/Ant9) and the value is supplied by the applicant or manufacturer

### A.2.2. Peak Output Power-conducted

**EUT ID: UT27a**

**Measurement Results:**

**Full RU SISO**

| Mode | Data Rate (Mbps) | Test Result (dBm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | 2412MHz(Ch1) | | 2437MHz(Ch6) | | 2462 MHz(Ch11) | |
| | | Ant6 | Ant9 | Ant6 | Ant9 | Ant6 | Ant9 |
| 802.11b (20MHz) | 1 | 22.91 | 19.29 | 22.52 | 19.68 | 22.97 | 19.81 |
| 802.11g (20MHz) | 6 | 24.71 | 23.36 | 26.08 | 24.34 | 26.42 | 24.36 |

**Full RU MIMO**

| Mode | Data Rate (Mbps) | Test Result (dBm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2412MHz(Ch1) | | | 2437MHz(Ch6) | | | 2462 MHz(Ch11) | | |
| | | Ant6 | Ant9 | MIMO | Ant6 | Ant9 | MIMO | Ant6 | Ant9 | MIMO |
| 802.11n (20MHz) | MCS0 | 23.53 | 22.36 | 25.99 | 24.51 | 24.14 | 27.34 | 24.97 | 24.14 | 27.59 |
| 802.11ax (20MHz) | MCS0 | 24.41 | 23.21 | 26.86 | 25.47 | 25.14 | 28.32 | 25.9 | 25.13 | 28.54 |
| **Mode** | **Data Rate (Mbps)** | **Test Result (dBm)** | | | | | | | | |
| | | 2422MHz(Ch3) | | | 2437MHz(Ch6) | | | 2452 MHz(Ch9) | | |
| | | Ant6 | Ant9 | MIMO | Ant6 | Ant9 | MIMO | Ant6 | Ant9 | MIMO |
| 802.11n (40MHz) | MCS0 | 22.07 | 21.29 | 24.71 | 23.56 | 22.81 | 26.21 | 21.98 | 20.64 | 24.37 |
| 802.11ax (40MHz) | MCS0 | 22.31 | 21.35 | 24.87 | 23.86 | 23.02 | 26.47 | 22.39 | 20.85 | 24.70 |

**RU MIMO**

| Mode | Data Rate (Mbps) | Test Result (dBm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 2412MHz(Ch1) | | | 2437MHz(Ch6) | | | 2462 MHz(Ch11) | | |
| | | Ant6 | Ant9 | MIMO | Ant6 | Ant9 | MIMO | Ant6 | Ant9 | MIMO |
| 802.11ax-HE20 RU26-left | MCS0 | 17.16 | 16.82 | 20.00 | 15.01 | 17.93 | 19.72 | 16.39 | 16.33 | 19.37 |
| 802.11ax-HE20 RU26-right | MCS0 | 16.55 | 15.68 | 19.15 | 16.11 | 15.04 | 18.62 | 15.19 | 13.85 | 17.58 |
| 802.11ax-HE20 RU52-left | MCS0 | 19.72 | 19.61 | 22.68 | 18.14 | 20.55 | 22.52 | 19.76 | 19.72 | 22.75 |
| 802.11ax-HE20 RU52-right | MCS0 | 19.18 | 18.20 | 21.73 | 18.80 | 17.72 | 21.30 | 18.47 | 16.72 | 20.69 |
| 802.11ax-HE20 RU106-left | MCS0 | 21.55 | 19.89 | 23.81 | 20.51 | 20.08 | 23.31 | 21.72 | 21.54 | 24.64 |
| 802.11ax-HE20 RU106-right | MCS0 | 21.13 | 19.76 | 23.51 | 21.07 | 20.10 | 23.62 | 20.79 | 19.11 | 23.04 |

The data rate 1Mbps (11b mode),6Mbps (11g mode), MCS0 (11n-HT20 mode) ,MCS0 (11ax-HE20 mode),are selected as the worst condition; as the maximum power is got with these data rate. The following cases are performed with this condition.

The duty cycle of all mode >98%

**Conclusion: Pass**

## A.3. Peak Power Spectral Density

**Method of Measurement: See ANSI C63.10-2013-clause 11.10.2**

a) Set analyzer center frequency to DTS channel center frequency.
b) Set the span to 1.5 times the DTS bandwidth.
c) Set the RBW to RBW = 3 kHz.
d) Set the VBW = 10 kHz.
e) Detector = peak.
f) Sweep time = auto couple.
g) Trace mode = max hold.
h) Allow trace to fully stabilize.
i) Use the peak marker function to determine the maximum amplitude level within the RBW.

**Measurement Limit:**

| Standard | Limit |
|---|---|
| FCC CRF Part 15.247(e) | < 8 dBm/3 kHz |

**EUT ID: UT27a**

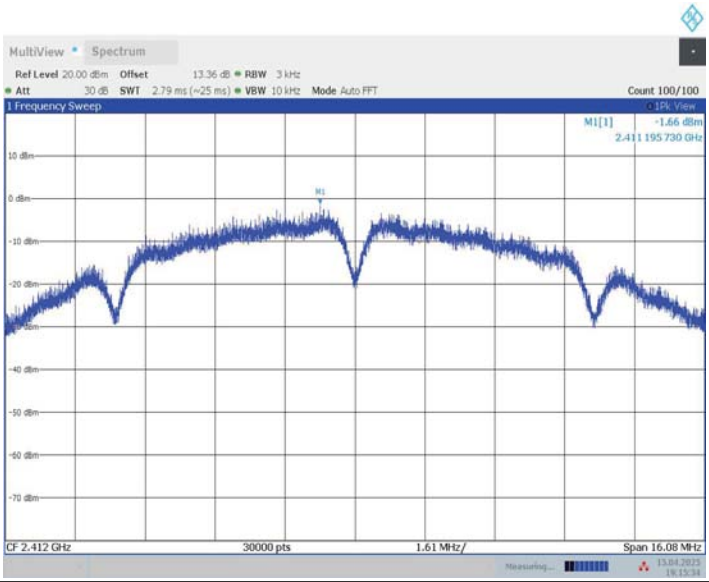
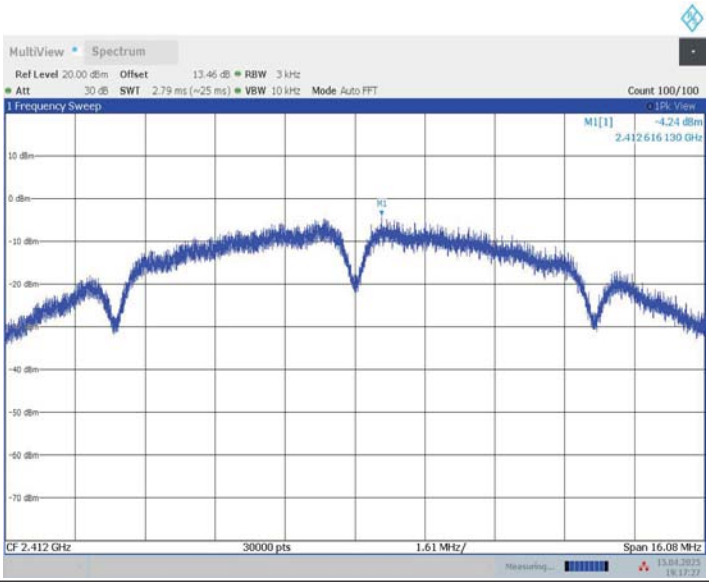
**Measurement Results:**

**Full RU**

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|---|---|---|---|---|---|
| 11B | Ant6 | 2412 | -1.66 | ≤8.00 | PASS |
| | Ant9 | 2412 | -4.24 | ≤8.00 | PASS |
| | Ant6 | 2437 | -2.95 | ≤8.00 | PASS |
| | Ant9 | 2437 | -3.30 | ≤8.00 | PASS |
| | Ant6 | 2462 | -2.64 | ≤8.00 | PASS |
| | Ant9 | 2462 | -3.50 | ≤8.00 | PASS |
| 11G | Ant6 | 2412 | -8.25 | ≤8.00 | PASS |
| | Ant9 | 2412 | -9.43 | ≤8.00 | PASS |
| | Ant6 | 2437 | -5.75 | ≤8.00 | PASS |
| | Ant9 | 2437 | -5.87 | ≤8.00 | PASS |
| | Ant6 | 2462 | -4.72 | ≤8.00 | PASS |
| | Ant9 | 2462 | -5.27 | ≤8.00 | PASS |
| 11N20MIMO | Ant6 | 2412 | -7.73 | ≤8.00 | PASS |
| | Ant9 | 2412 | -9.84 | ≤8.00 | PASS |
| | total | 2412 | -5.65 | ≤8.00 | PASS |
| | Ant6 | 2437 | -6.91 | ≤8.00 | PASS |
| | Ant9 | 2437 | -7.04 | ≤8.00 | PASS |
| | total | 2437 | -3.96 | ≤8.00 | PASS |
| | Ant6 | 2462 | -6.70 | ≤8.00 | PASS |
| | Ant9 | 2462 | -7.54 | ≤8.00 | PASS |
| | total | 2462 | -4.09 | ≤8.00 | PASS |

| | | | | | |
|---|---|---|---|---|---|
| 11N40MIMO | Ant6 | 2422 | -13.87 | ≤8.00 | PASS |
| | Ant9 | 2422 | -14.03 | ≤8.00 | PASS |
| | total | 2422 | -10.94 | ≤8.00 | PASS |
| | Ant6 | 2437 | -11.94 | ≤8.00 | PASS |
| | Ant9 | 2437 | -12.74 | ≤8.00 | PASS |
| | total | 2437 | -9.31 | ≤8.00 | PASS |
| | Ant6 | 2452 | -13.23 | ≤8.00 | PASS |
| | Ant9 | 2452 | -15.11 | ≤8.00 | PASS |
| | total | 2452 | -11.06 | ≤8.00 | PASS |
| 11AX20MIMO | Ant6 | 2412 | -9.73 | ≤8.00 | PASS |
| | Ant9 | 2412 | -10.88 | ≤8.00 | PASS |
| | total | 2412 | -7.26 | ≤8.00 | PASS |
| | Ant6 | 2437 | -7.52 | ≤8.00 | PASS |
| | Ant9 | 2437 | -7.89 | ≤8.00 | PASS |
| | total | 2437 | -4.69 | ≤8.00 | PASS |
| | Ant6 | 2462 | -7.28 | ≤8.00 | PASS |
| | Ant9 | 2462 | -8.53 | ≤8.00 | PASS |
| | total | 2462 | -4.85 | ≤8.00 | PASS |
| 11AX40MIMO | Ant6 | 2422 | -15.81 | ≤8.00 | PASS |
| | Ant9 | 2422 | -15.68 | ≤8.00 | PASS |
| | total | 2422 | -12.73 | ≤8.00 | PASS |
| | Ant6 | 2437 | -13.93 | ≤8.00 | PASS |
| | Ant9 | 2437 | -14.44 | ≤8.00 | PASS |
| | total | 2437 | -11.17 | ≤8.00 | PASS |
| | Ant6 | 2452 | -14.80 | ≤8.00 | PASS |
| | Ant9 | 2452 | -16.50 | ≤8.00 | PASS |
| | total | 2452 | -12.56 | ≤8.00 | PASS |

**Test graphs as below:**

| 11B_Ant6_2412 |
| --- |
|  |
| 11B_Ant9_2412 |
|  |
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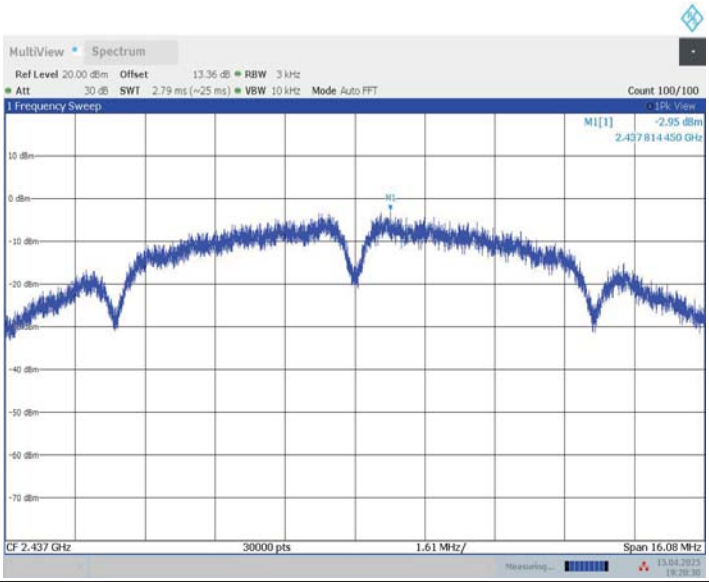


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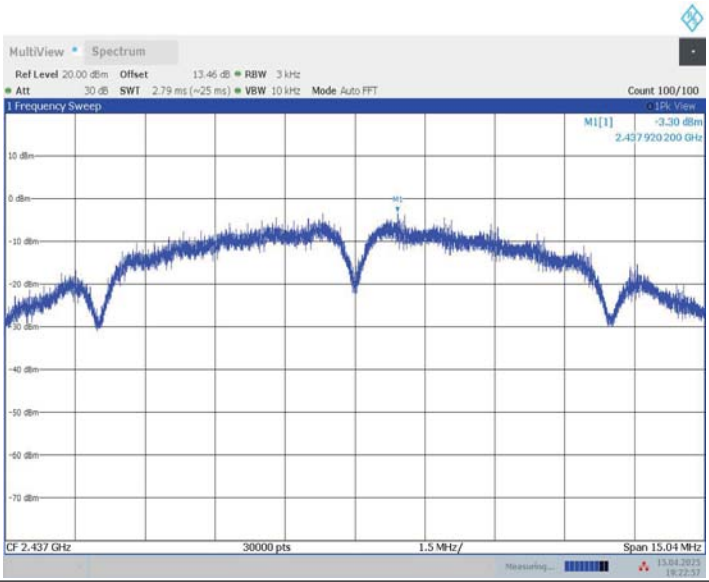


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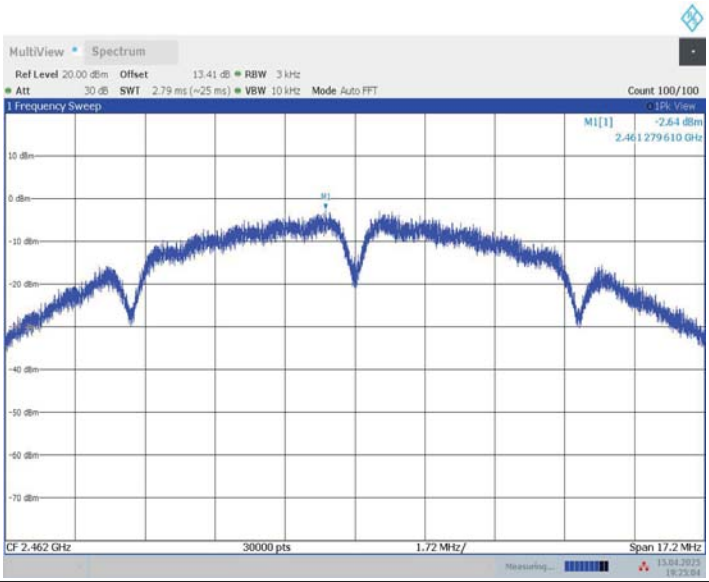


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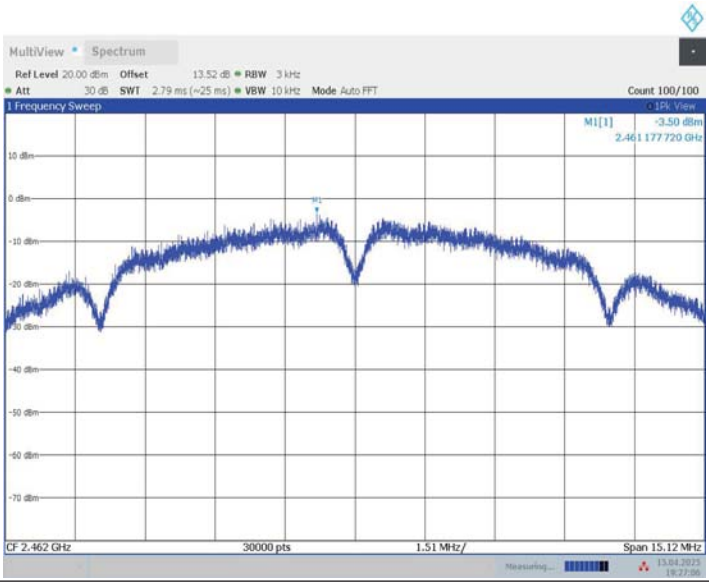


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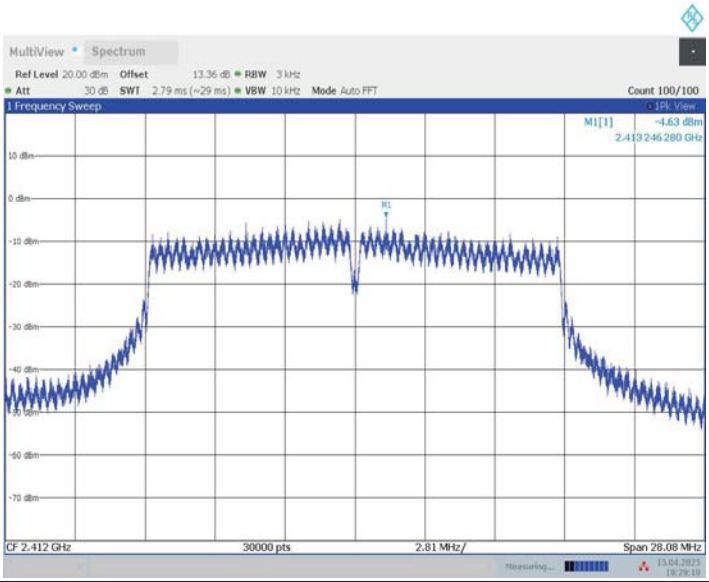


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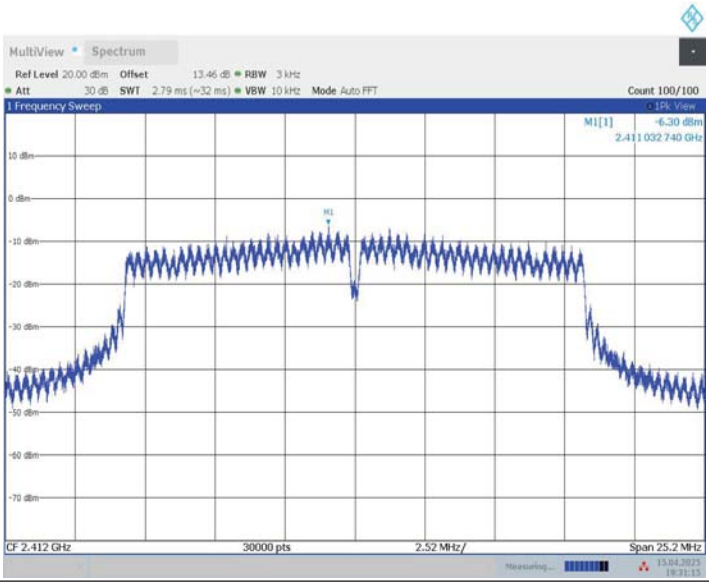
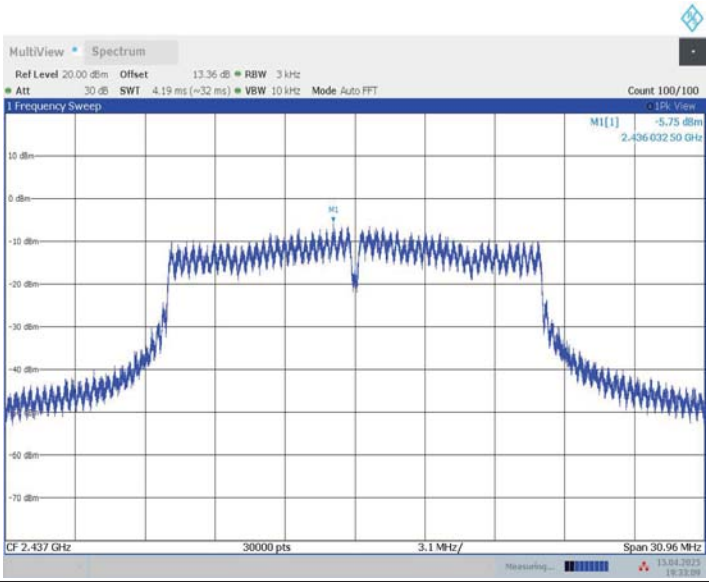
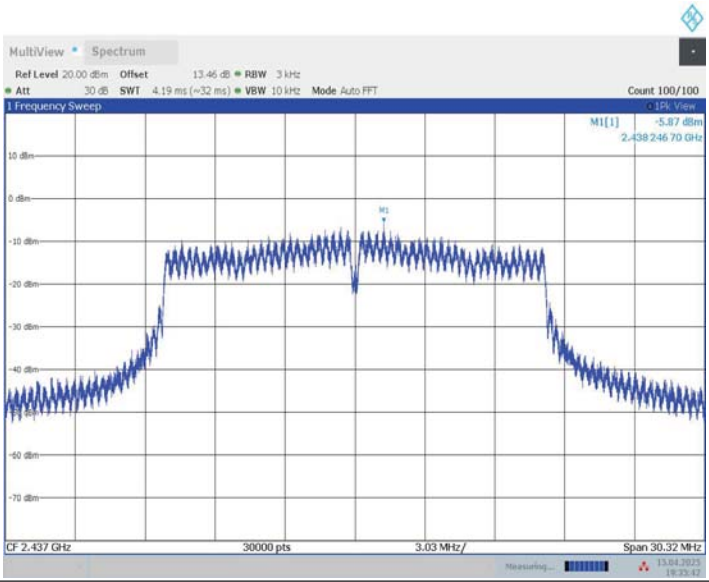


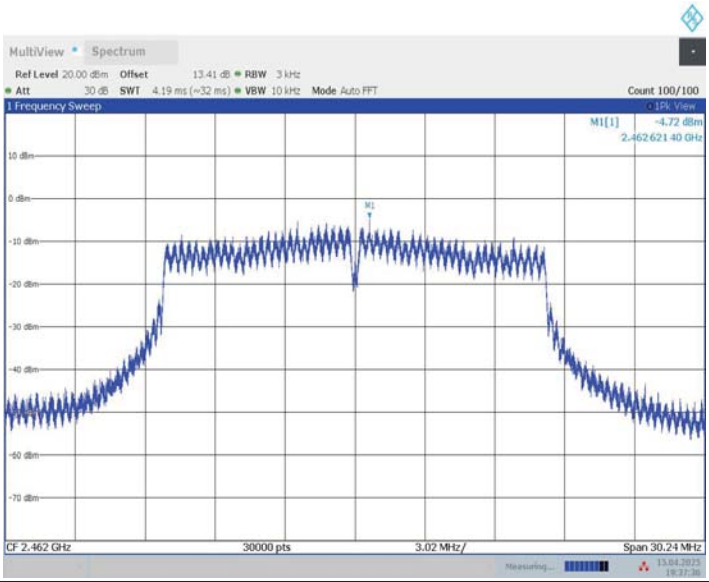

11G_Ant6_2437



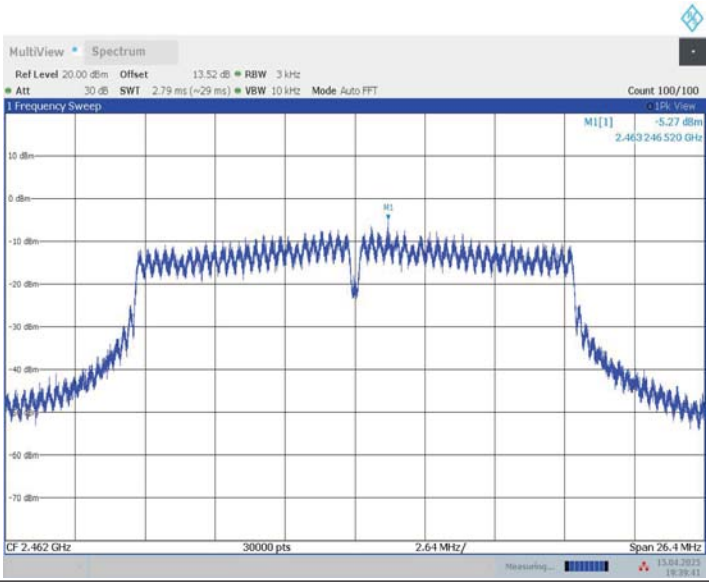

11G_Ant9_2437



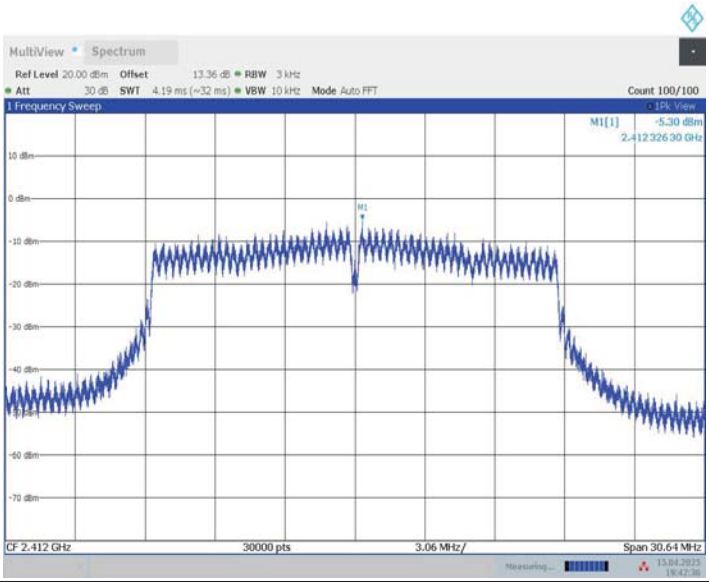

11G_Ant6_2462



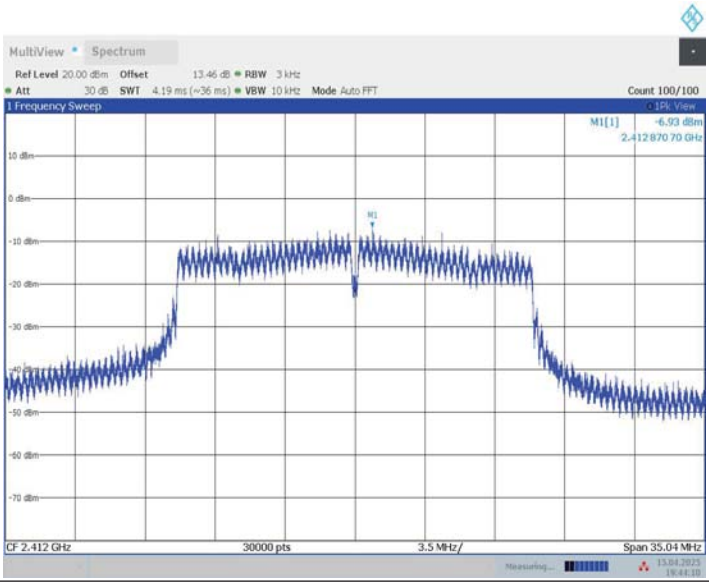

11G_Ant9_2462




11N20MIMO_Ant6_2412




11N20MIMO_Ant9_2412

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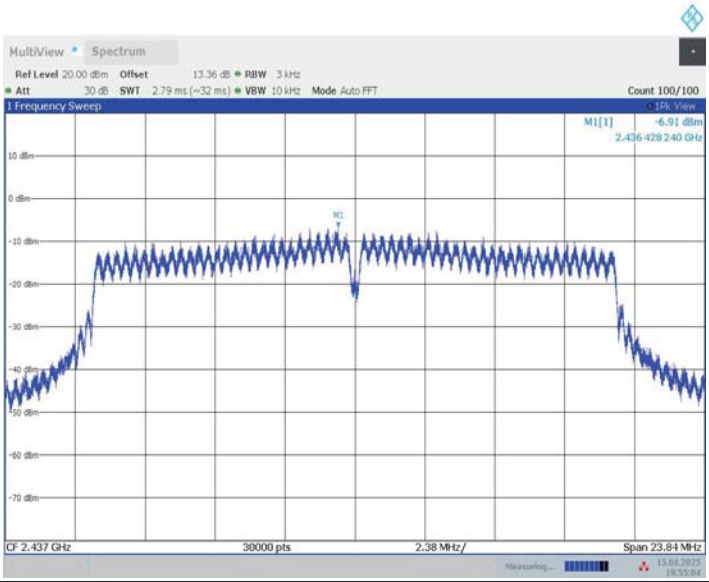


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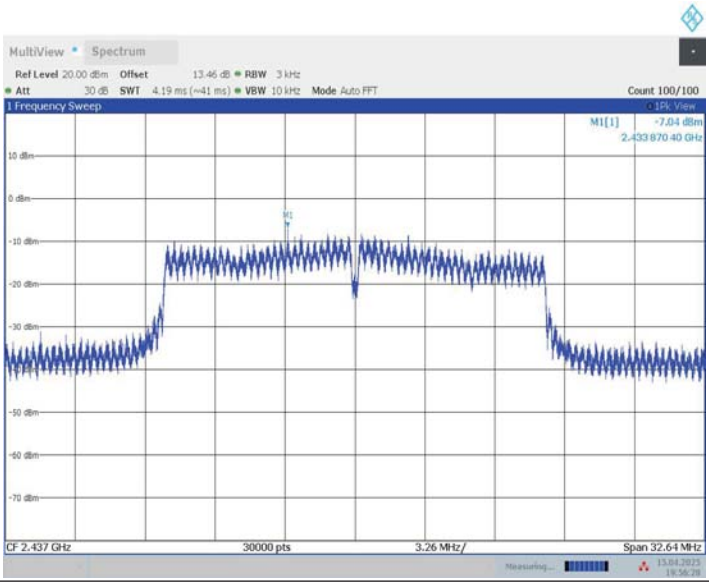


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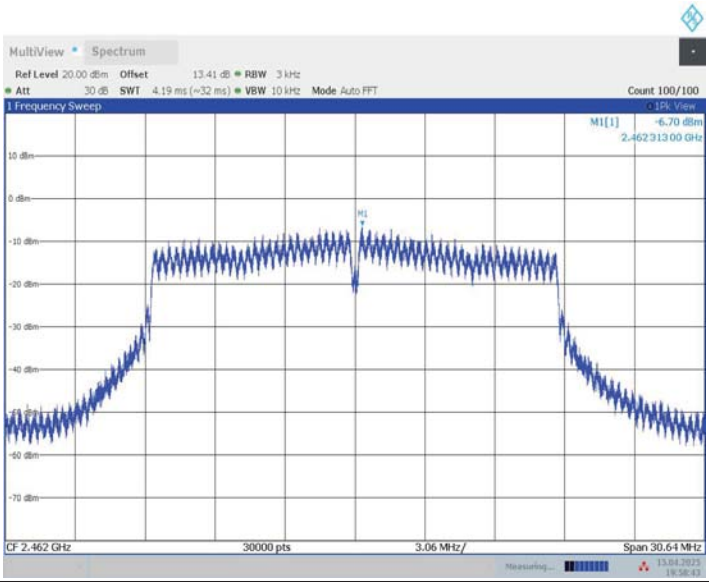


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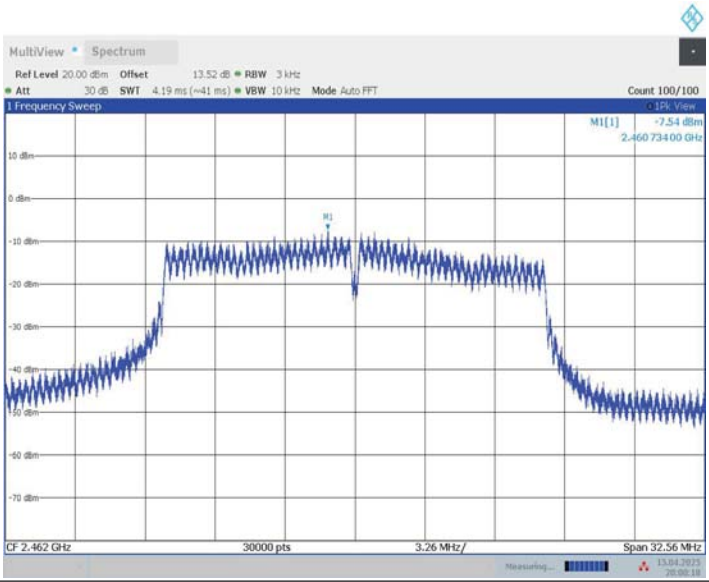
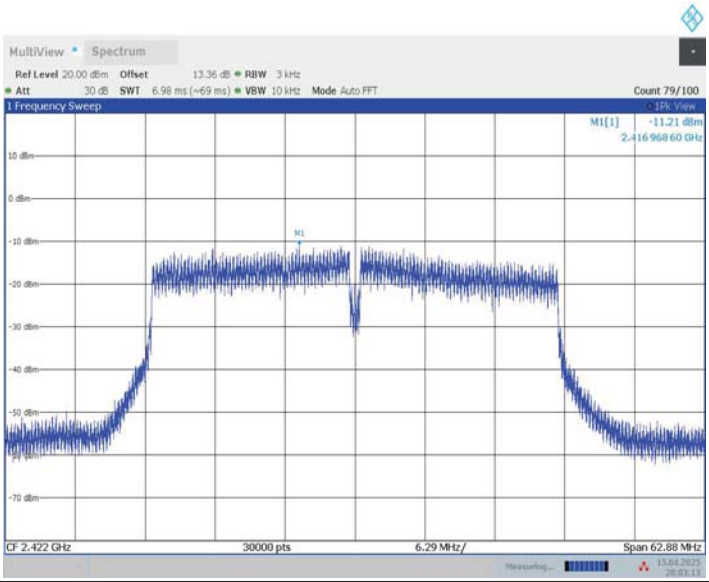



11N40MIMO_Ant6_2422

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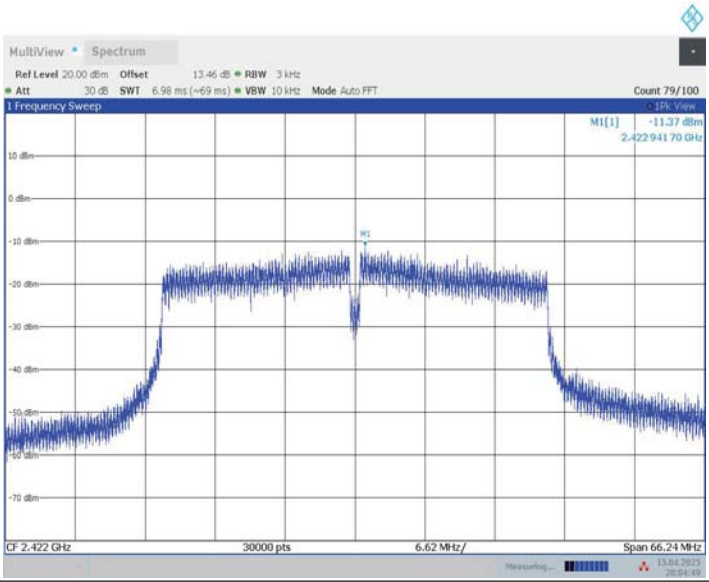


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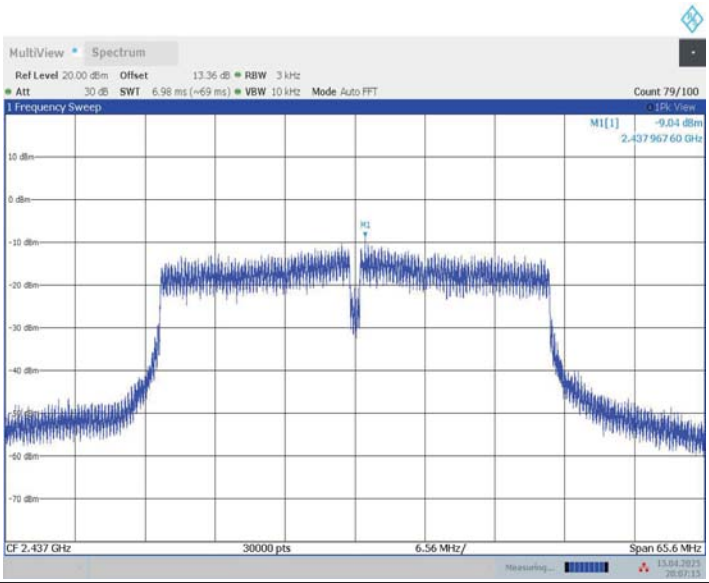


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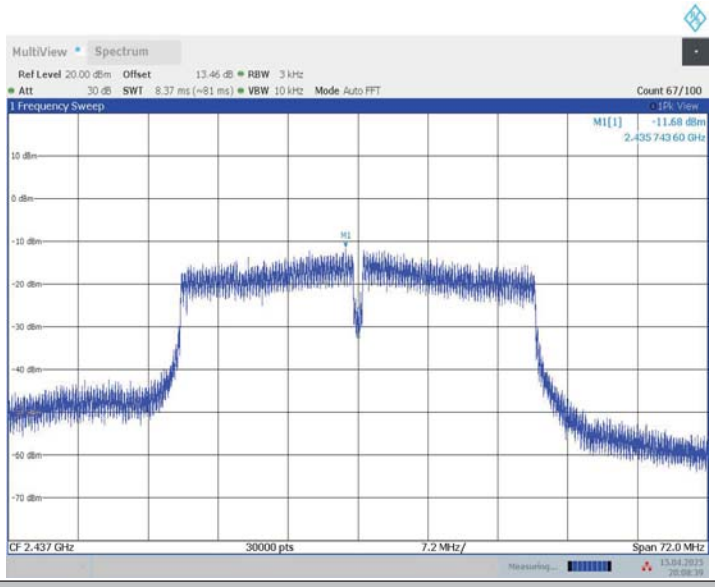
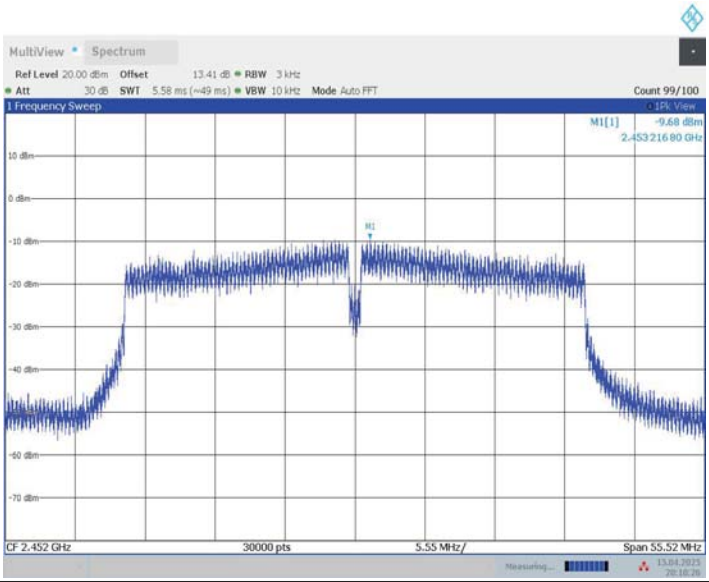
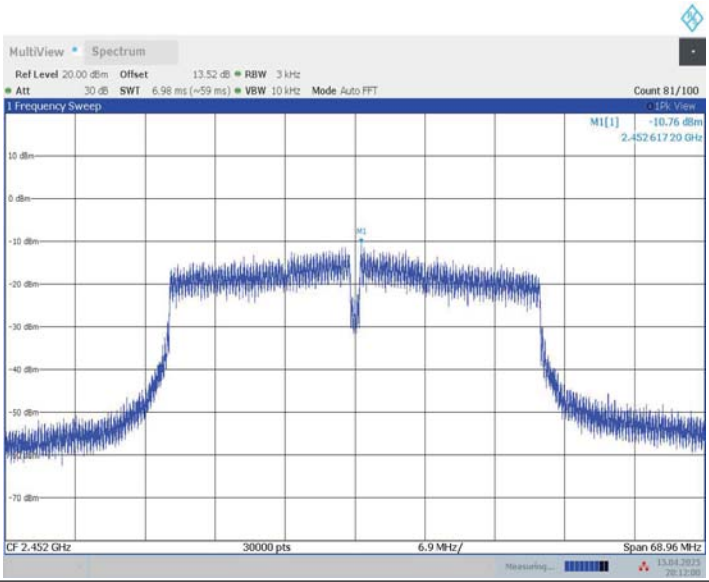


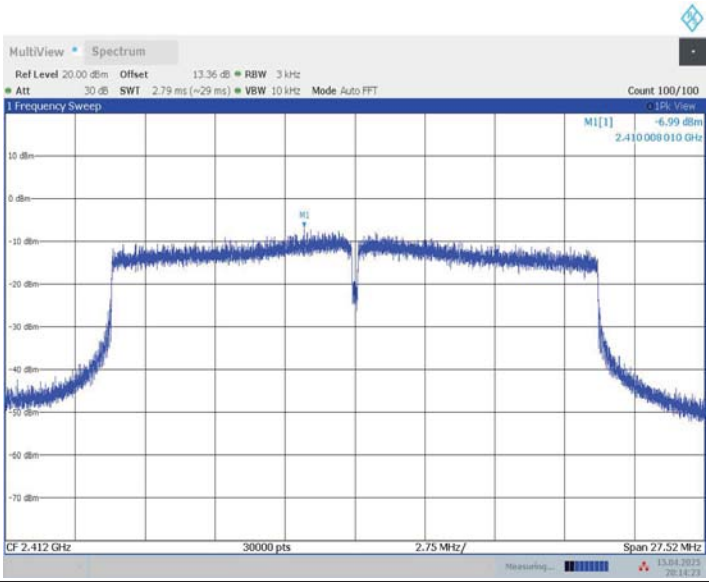

11N40MIMO_Ant6_2452



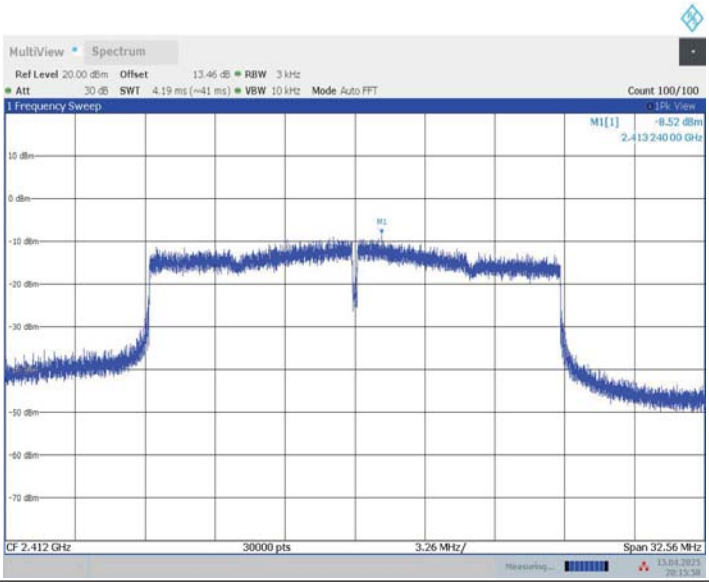

11N40MIMO_Ant9_2452




11AX20MIMO_Ant6_2412




11AX20MIMO_Ant9_2412

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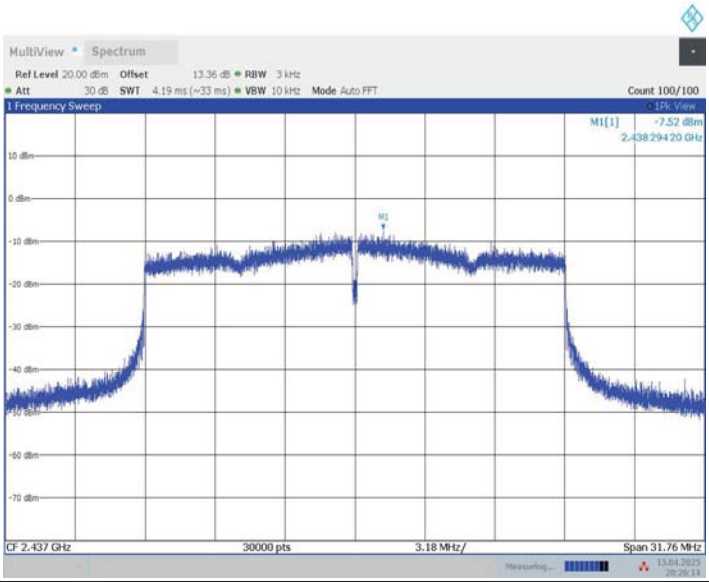


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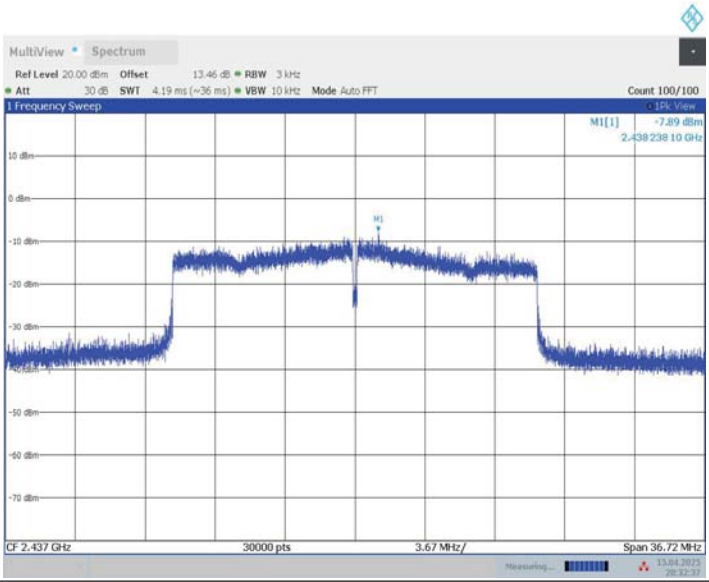
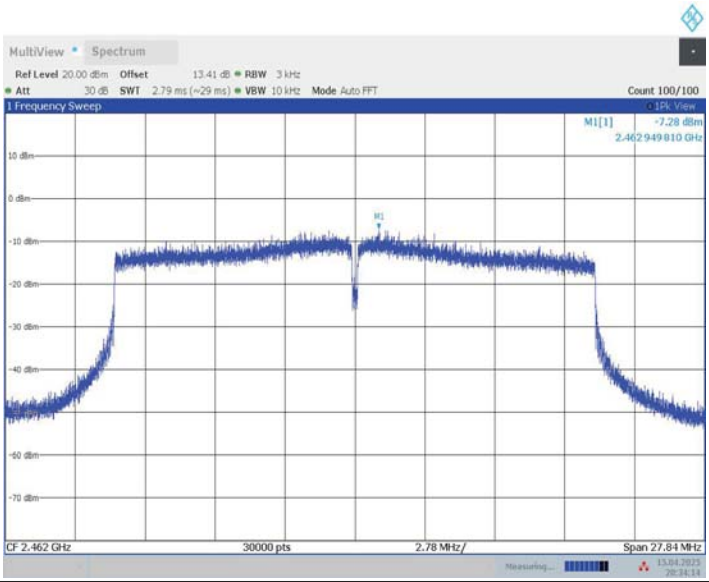
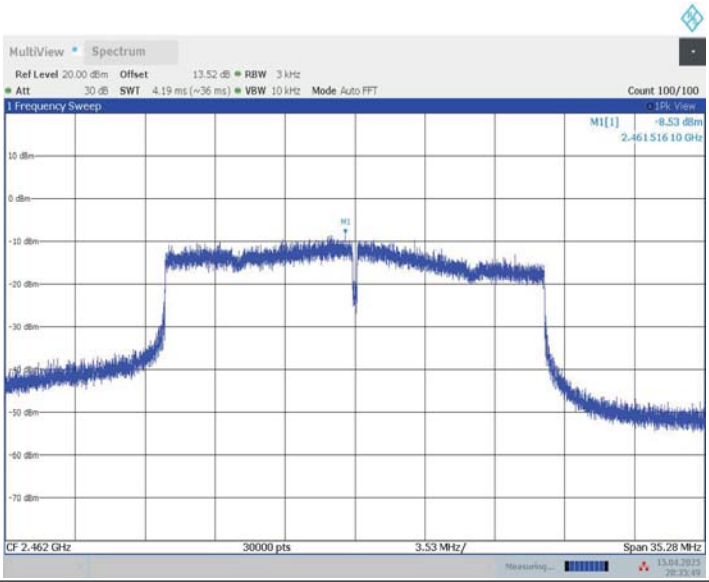


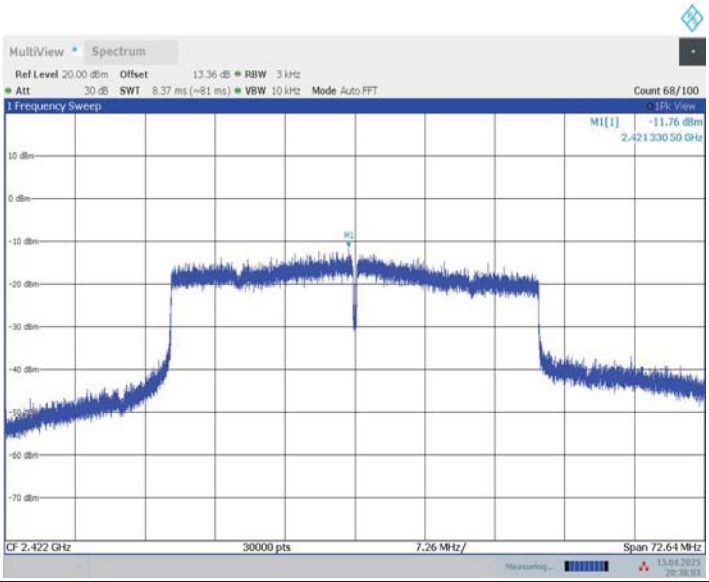

11AX20MIMO_Ant6_2462




11AX20MIMO_Ant9_2462




11AX40MIMO_Ant6_2422

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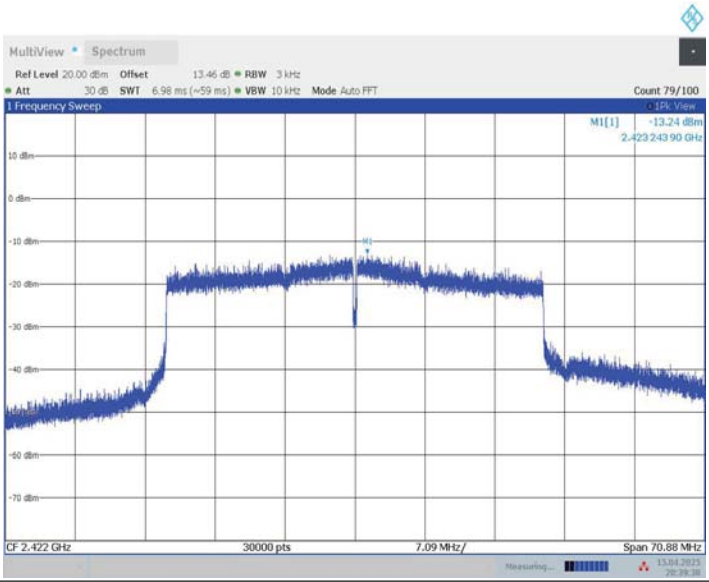


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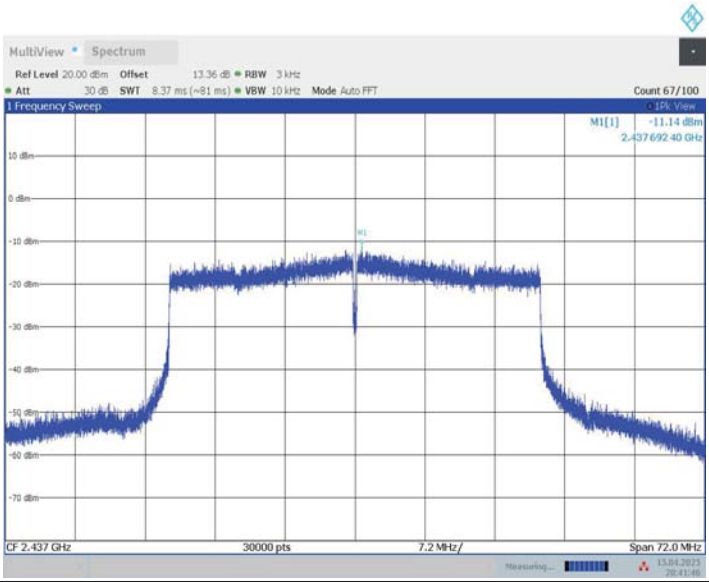


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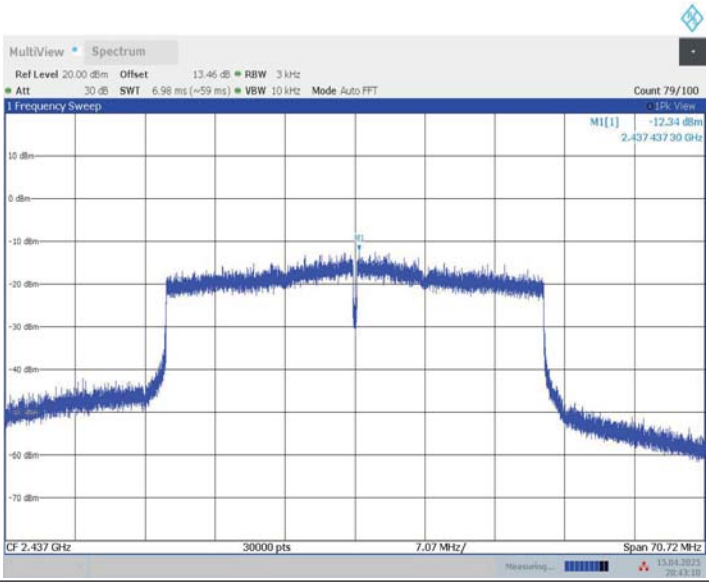
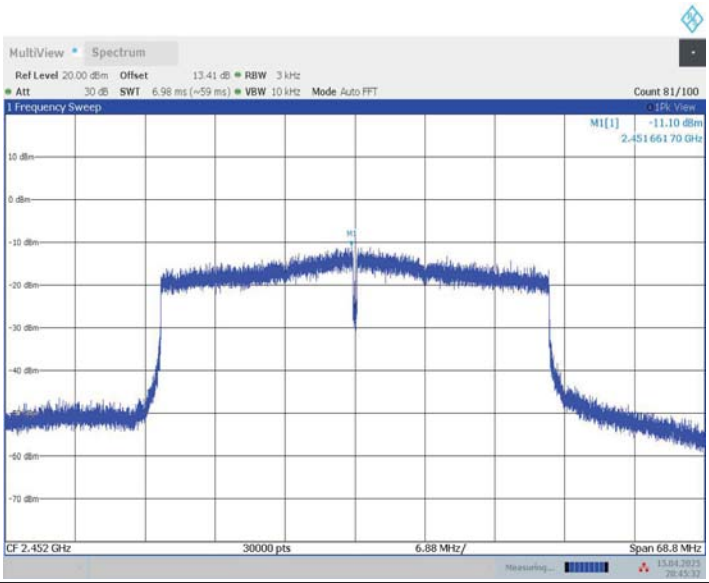
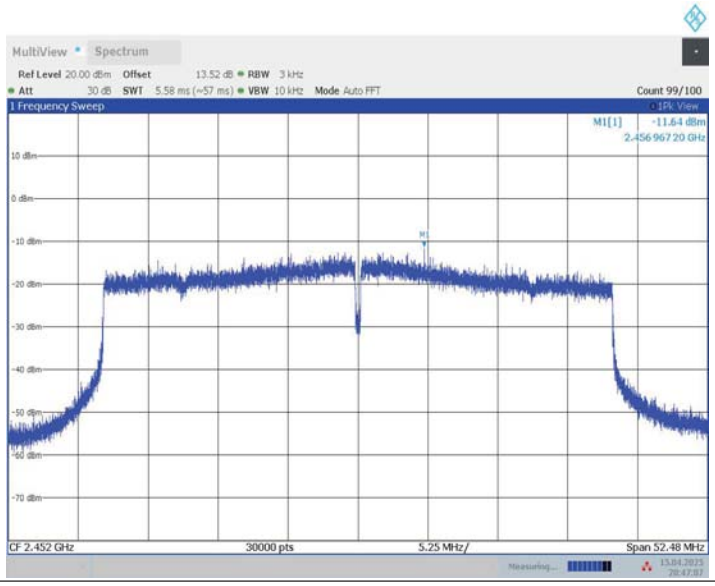



11AX40MIMO_Ant6_2452




11AX40MIMO_Ant9_2452



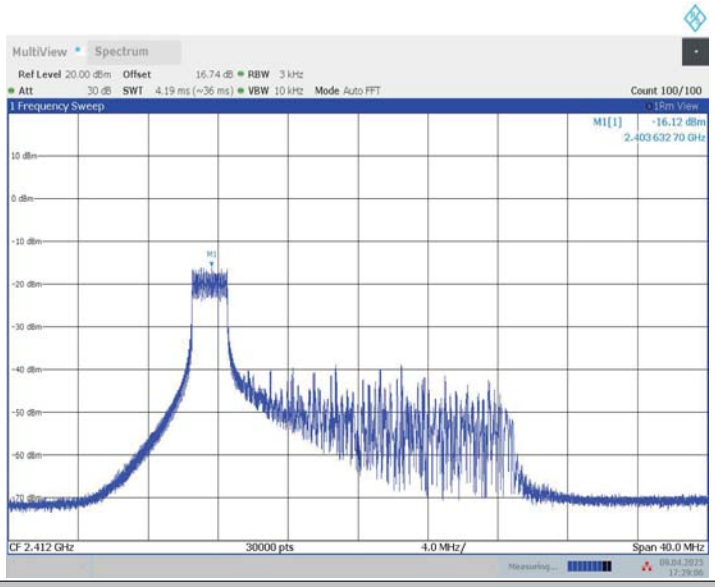
**RU MIMO**

| TestMode | Antenna | Frequency[MHz] | RuSize | RuIndex | Result [dBm/3kHz] | Limit [dBm/3kHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11AX20MIMO | Ant6 | 2412 | 26Tone | RU0 | -16.12 | ≤8.00 | PASS |
| | | | | RU8 | -16.12 | ≤8.00 | PASS |
| | | | 52Tone | RU37 | -16.03 | ≤8.00 | PASS |
| | | | | RU40 | -17.33 | ≤8.00 | PASS |
| | | | 106Tone | RU53 | -16.73 | ≤8.00 | PASS |
| | | | | RU54 | -17.00 | ≤8.00 | PASS |
| | Ant9 | 2412 | 26Tone | RU0 | -18.86 | ≤8.00 | PASS |
| | | | | RU8 | -17.76 | ≤8.00 | PASS |
| | | | 52Tone | RU37 | -15.55 | ≤8.00 | PASS |
| | | | | RU40 | -18.29 | ≤8.00 | PASS |
| | | | 106Tone | RU53 | -17.63 | ≤8.00 | PASS |
| | | | | RU54 | -17.85 | ≤8.00 | PASS |
| | total | 2412 | 26Tone | RU0 | -14.27 | ≤8.00 | PASS |
| | | | | RU8 | -13.85 | ≤8.00 | PASS |
| | | | 52Tone | RU37 | -12.77 | ≤8.00 | PASS |
| | | | | RU40 | -14.77 | ≤8.00 | PASS |
| | | | 106Tone | RU53 | -14.15 | ≤8.00 | PASS |
| | | | | RU54 | -14.39 | ≤8.00 | PASS |
| | Ant6 | 2437 | 26Tone | RU0 | -19.16 | ≤8.00 | PASS |
| | | | | RU8 | -18.00 | ≤8.00 | PASS |
| | | | 52Tone | RU37 | -18.41 | ≤8.00 | PASS |
| | | | | RU40 | -17.83 | ≤8.00 | PASS |
| | | | 106Tone | RU53 | -16.72 | ≤8.00 | PASS |
| | | | | RU54 | -17.70 | ≤8.00 | PASS |
| | Ant9 | 2437 | 26Tone | RU0 | -14.83 | ≤8.00 | PASS |
| | | | | RU8 | -18.86 | ≤8.00 | PASS |
| | | | 52Tone | RU37 | -15.23 | ≤8.00 | PASS |
| | | | | RU40 | -18.94 | ≤8.00 | PASS |
| | | | 106Tone | RU53 | -17.32 | ≤8.00 | PASS |
| | | | | RU54 | -18.25 | ≤8.00 | PASS |
| | total | 2437 | 26Tone | RU0 | -13.47 | ≤8.00 | PASS |
| | | | | RU8 | -15.40 | ≤8.00 | PASS |
| | | | 52Tone | RU37 | -13.52 | ≤8.00 | PASS |
| | | | | RU40 | -15.34 | ≤8.00 | PASS |
| | | | 106Tone | RU53 | -14.00 | ≤8.00 | PASS |
| | | | | RU54 | -14.96 | ≤8.00 | PASS |
| | Ant6 | 2462 | 26Tone | RU0 | -17.06 | ≤8.00 | PASS |
| | | | | RU8 | -16.95 | ≤8.00 | PASS |

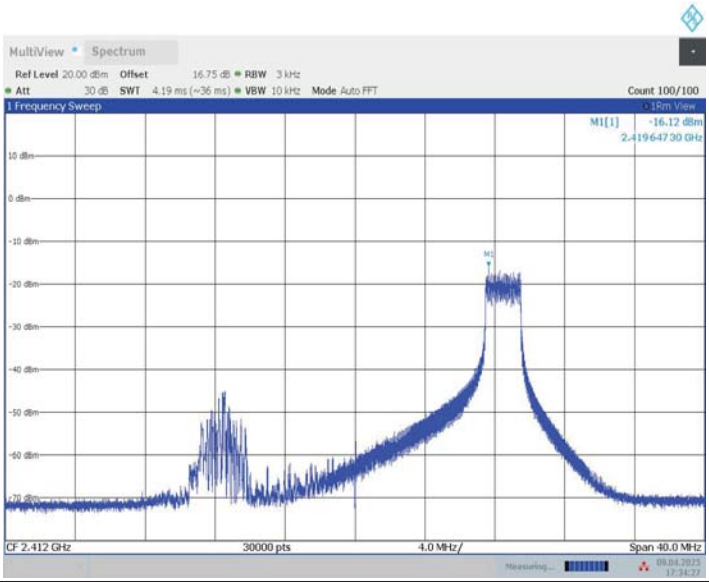
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | 52Tone | RU37 | -17.26 | ≤8.00 | PASS |
| | | | | RU40 | -17.60 | ≤8.00 | PASS |
| | | | 106Tone | RU53 | -16.77 | ≤8.00 | PASS |
| | | | | RU54 | -16.54 | ≤8.00 | PASS |
| | Ant9 | 2462 | 26Tone | RU0 | -17.19 | ≤8.00 | PASS |
| | | | | RU8 | -19.85 | ≤8.00 | PASS |
| | | | 52Tone | RU37 | -16.41 | ≤8.00 | PASS |
| | | | | RU40 | -19.85 | ≤8.00 | PASS |
| | | | 106Tone | RU53 | -16.86 | ≤8.00 | PASS |
| | | | | RU54 | -19.40 | ≤8.00 | PASS |
| | total | 2462 | 26Tone | RU0 | -14.11 | ≤8.00 | PASS |
| | | | | RU8 | -15.15 | ≤8.00 | PASS |
| | | | 52Tone | RU37 | -13.80 | ≤8.00 | PASS |
| | | | | RU40 | -15.57 | ≤8.00 | PASS |
| | | | 106Tone | RU53 | -13.80 | ≤8.00 | PASS |
| | | | | RU54 | -14.73 | ≤8.00 | PASS |

**Test graphs as below:**

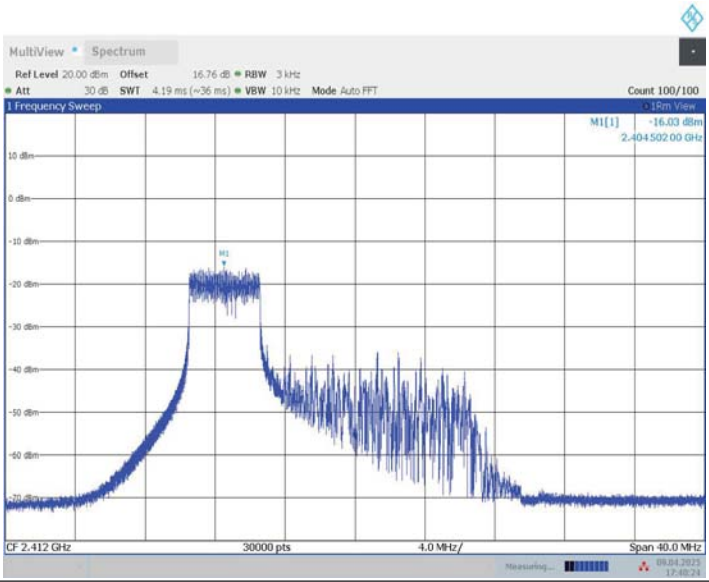
11AX20MIMO_Ant6_2412_26Tone_RU0



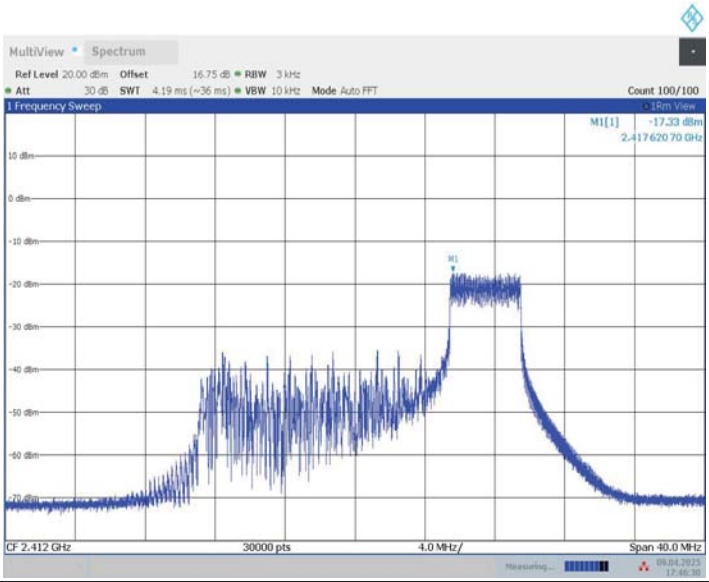

11AX20MIMO_Ant6_2412_26Tone_RU8



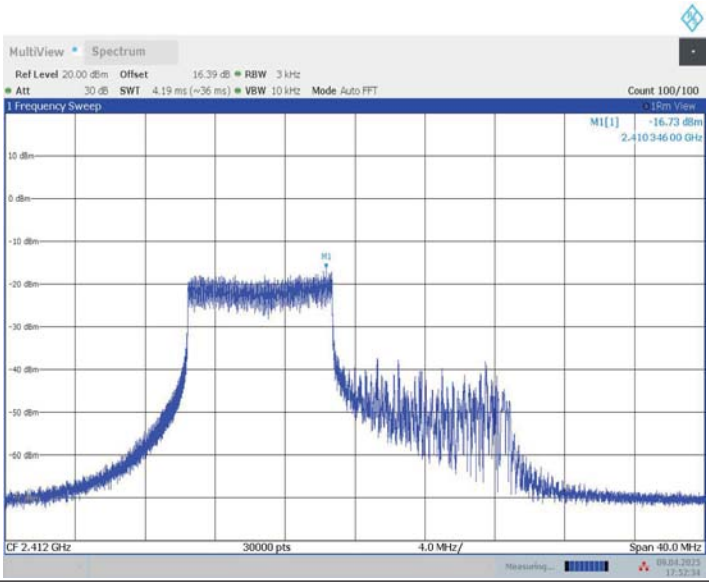

11AX20MIMO_Ant6_2412_52Tone_RU37



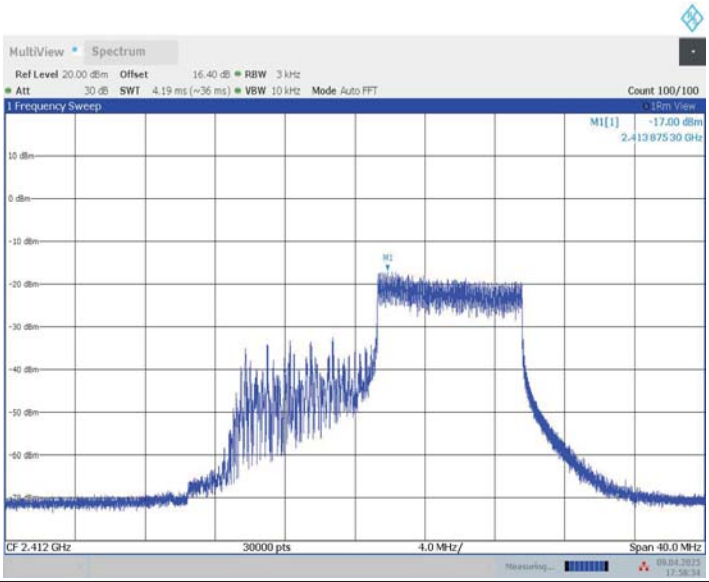

11AX20MIMO_Ant6_2412_52Tone_RU40



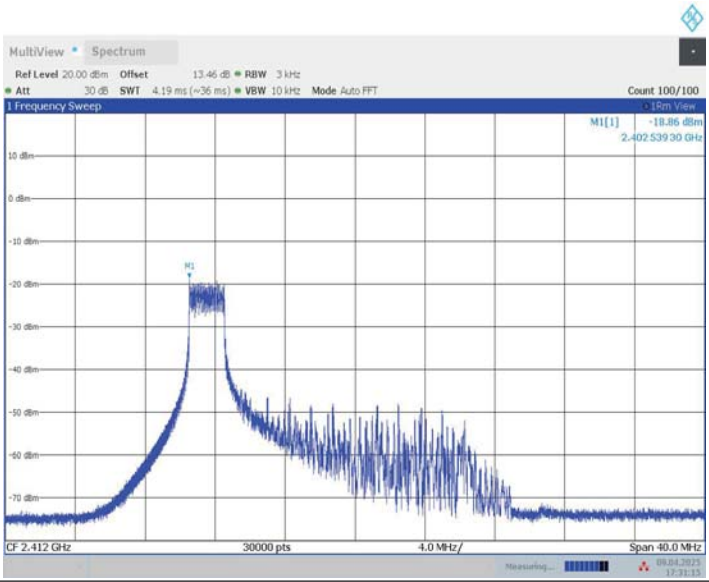

11AX20MIMO_Ant6_2412_106Tone_RU53



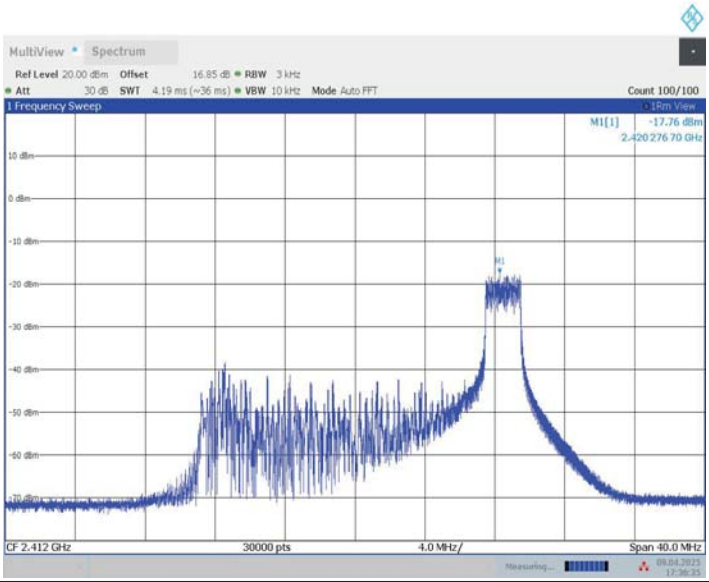

11AX20MIMO_Ant6_2412_106Tone_RU54



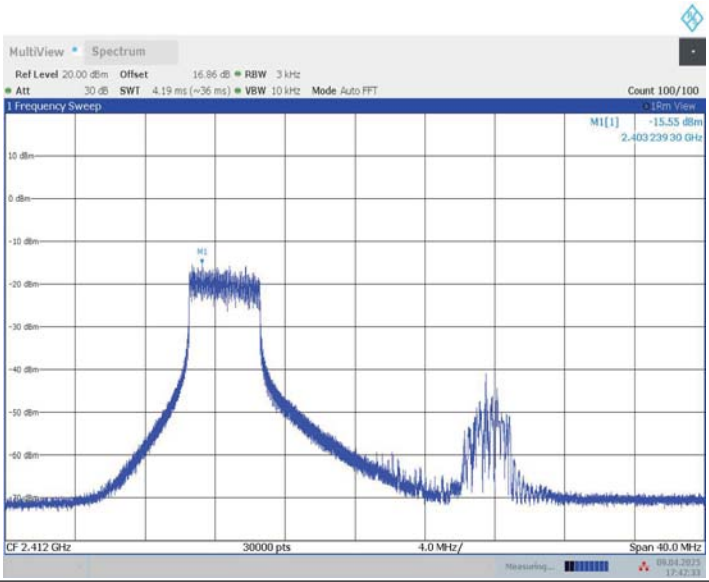

11AX20MIMO_Ant9_2412_26Tone_RU0



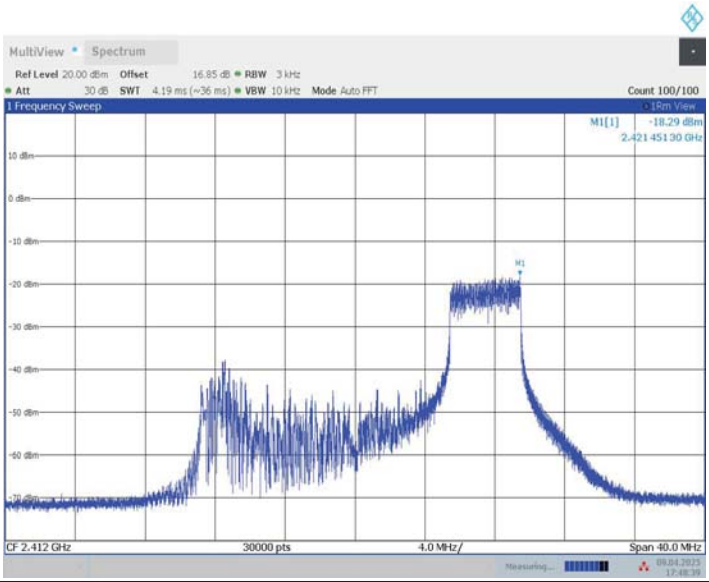

11AX20MIMO_Ant9_2412_26Tone_RU8



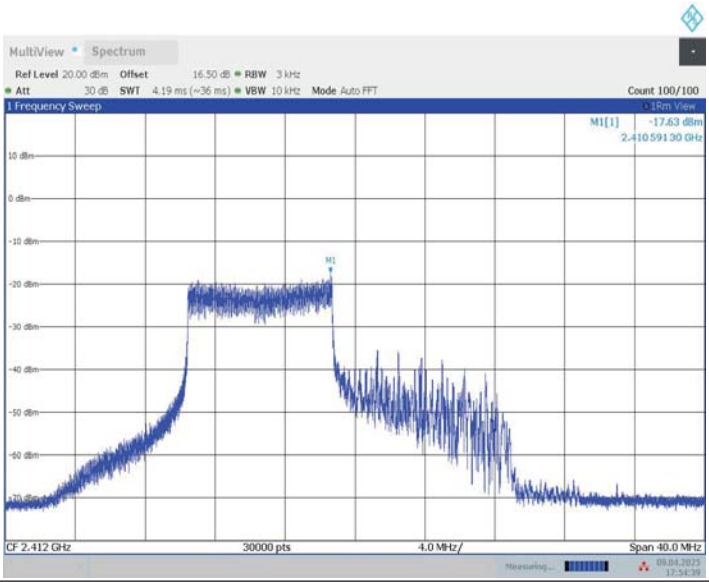

11AX20MIMO_Ant9_2412_52Tone_RU37



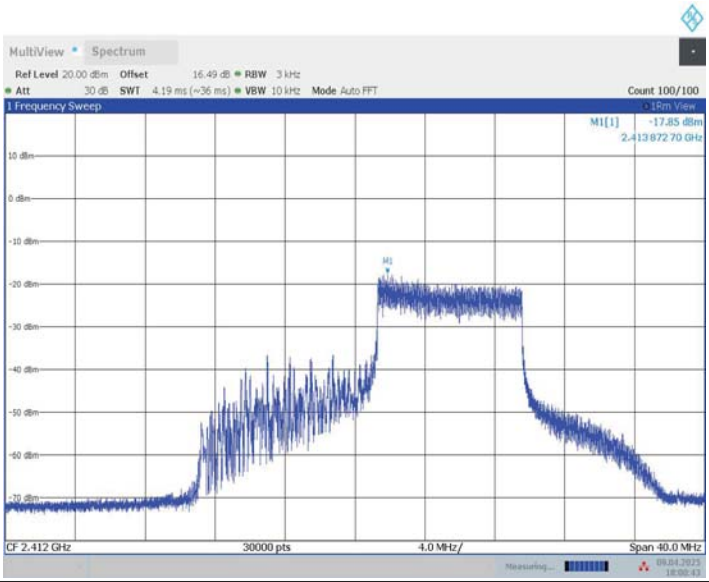

11AX20MIMO_Ant9_2412_52Tone_RU40



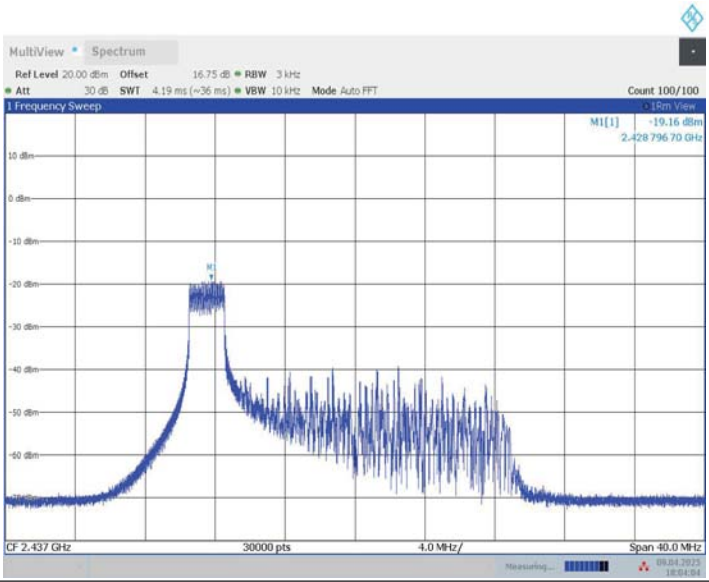

11AX20MIMO_Ant9_2412_106Tone_RU53



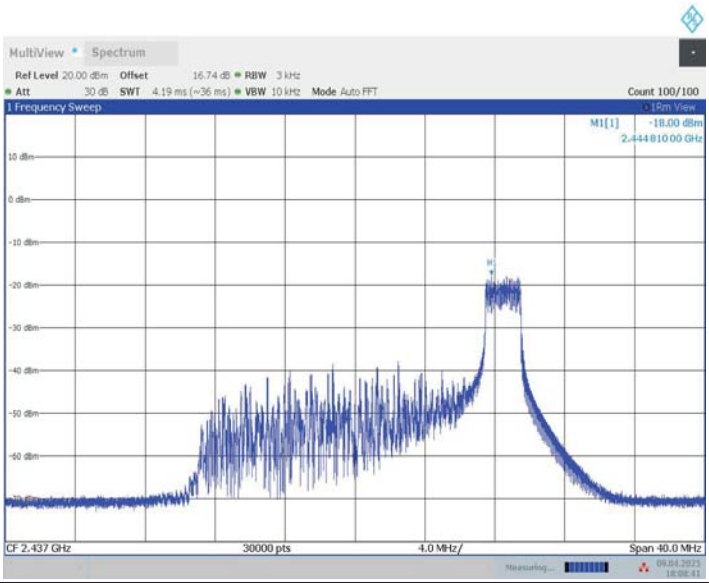

11AX20MIMO_Ant9_2412_106Tone_RU54



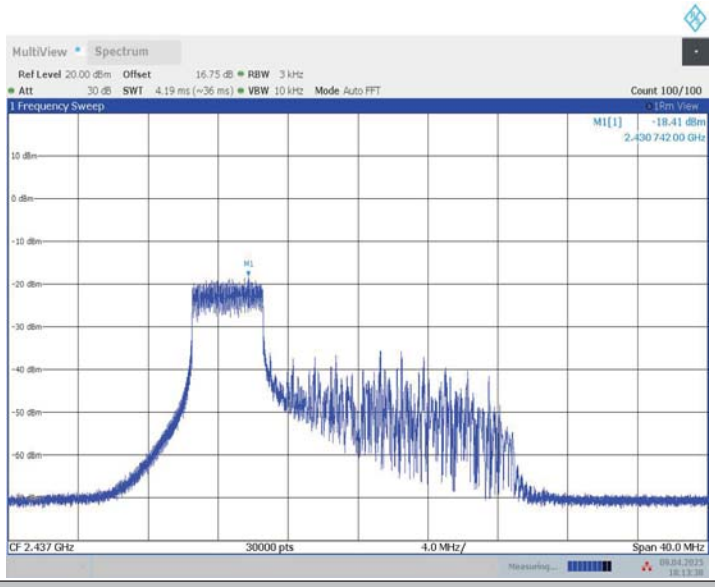

11AX20MIMO_Ant6_2437_26Tone_RU0




11AX20MIMO_Ant6_2437_26Tone_RU8




11AX20MIMO_Ant6_2437_52Tone_RU37

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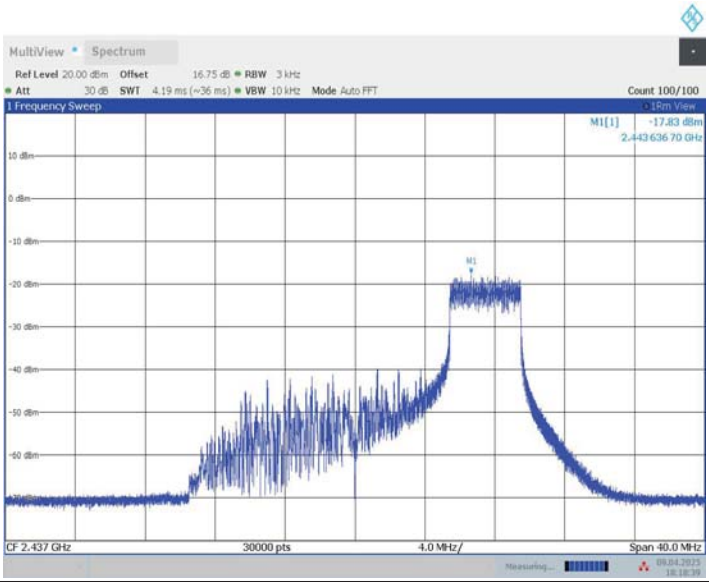
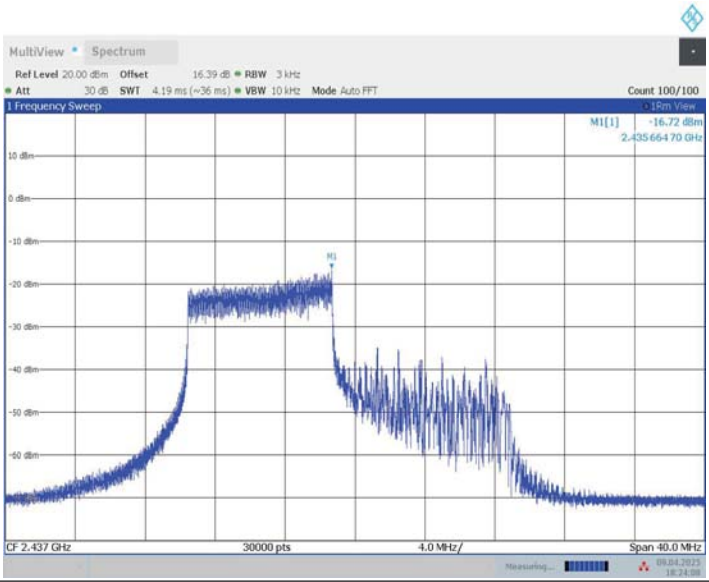
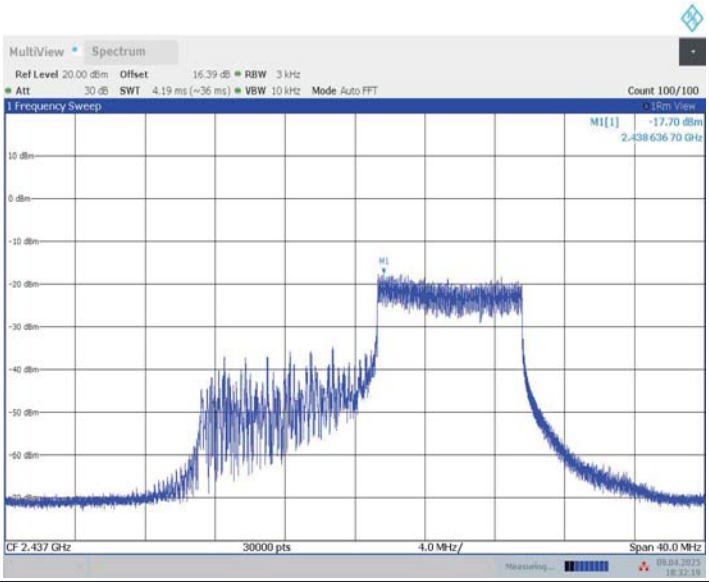


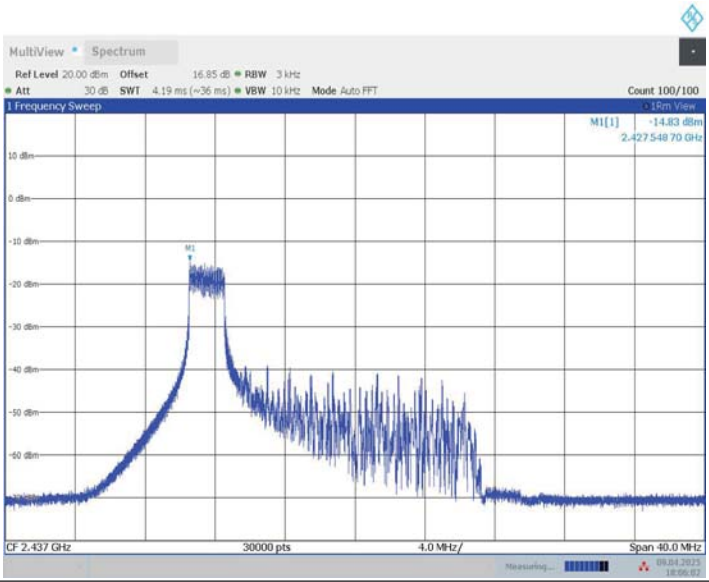

11AX20MIMO_Ant6_2437_106Tone_RU53




11AX20MIMO_Ant6_2437_106Tone_RU54




11AX20MIMO_Ant9_2437_26Tone_RU0

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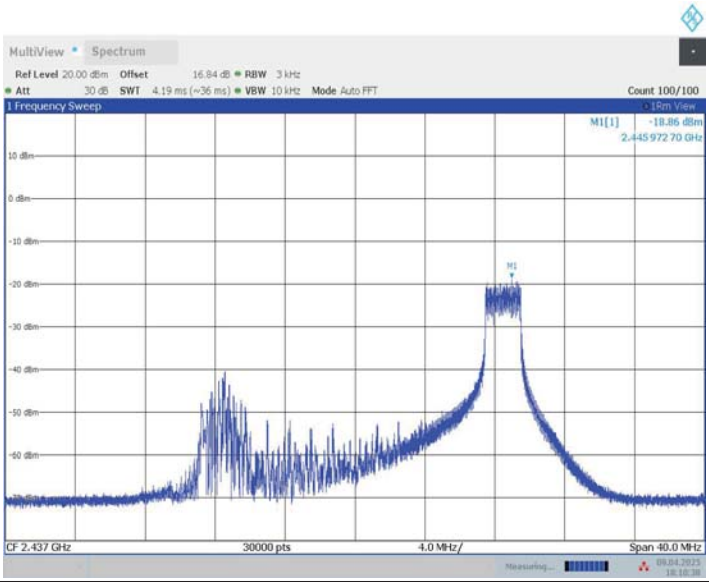


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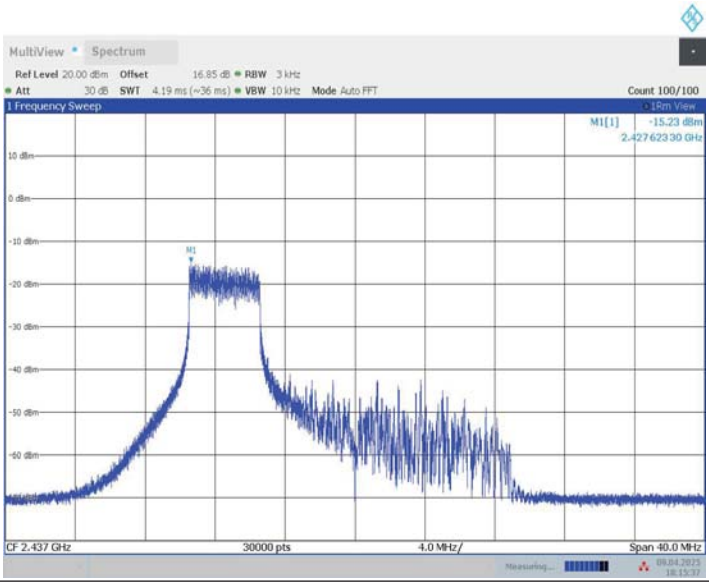


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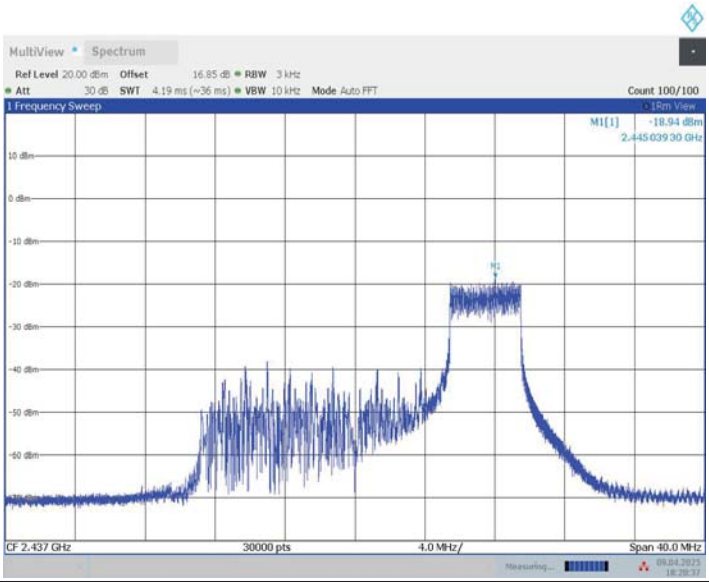


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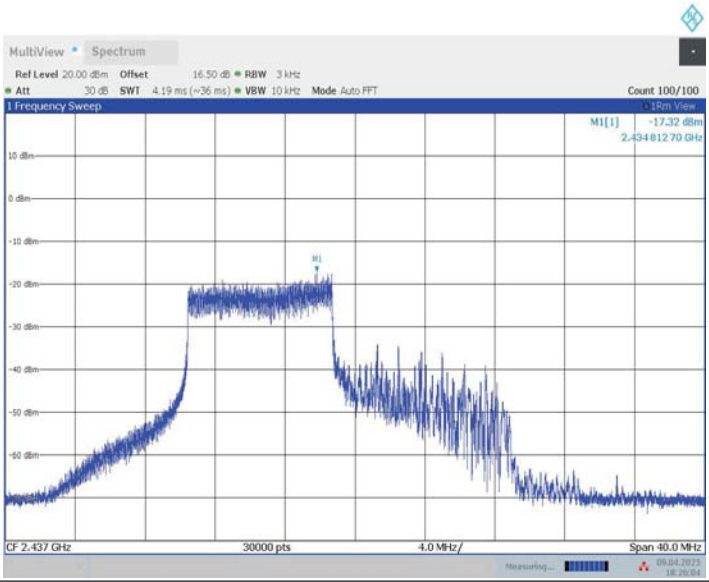


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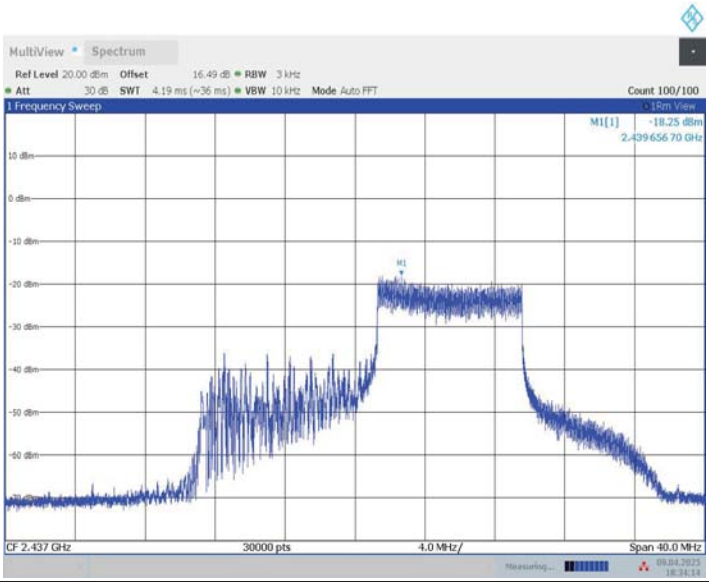


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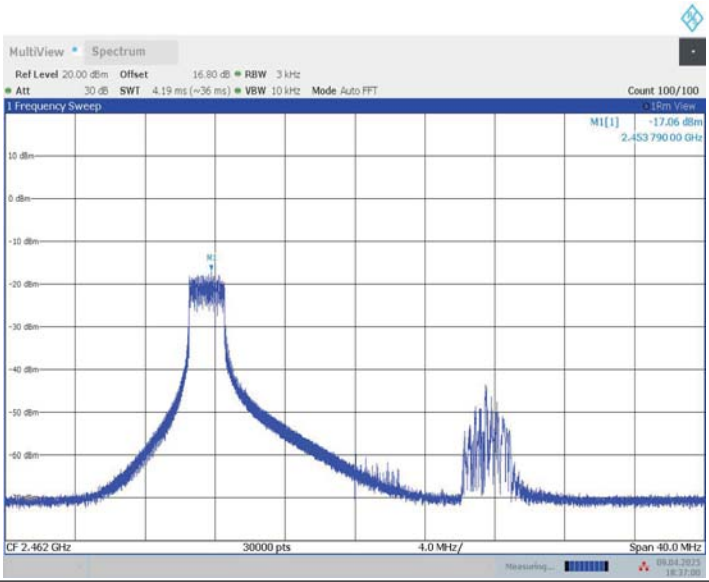


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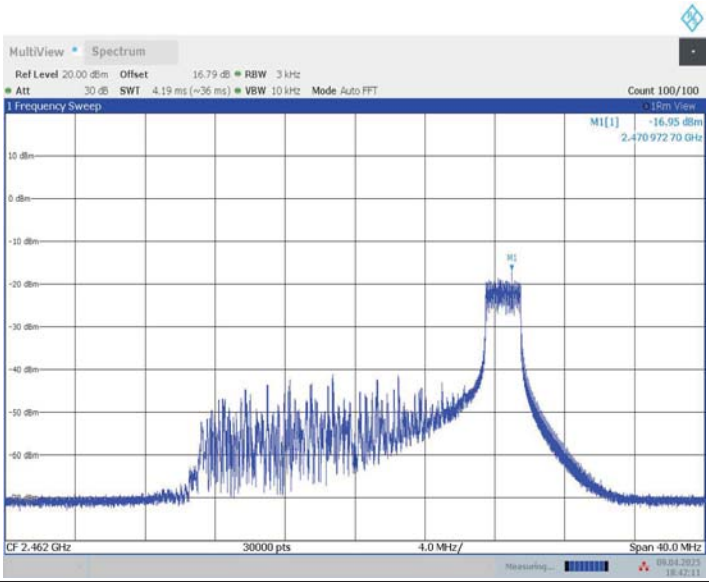


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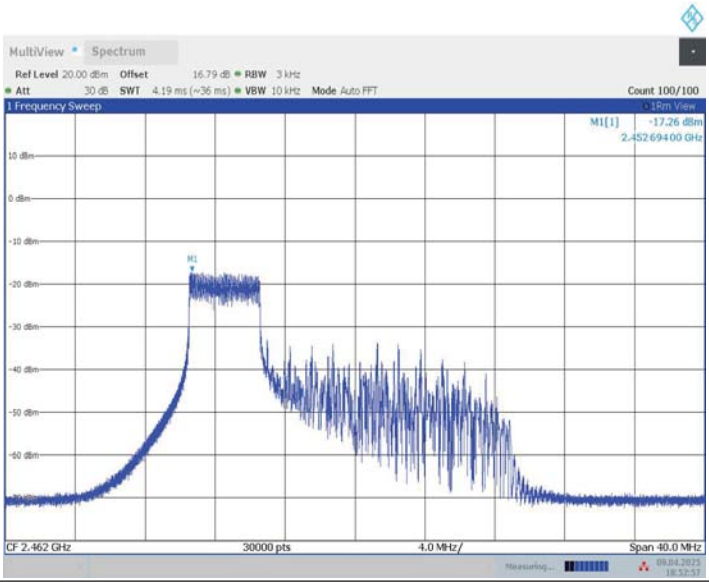


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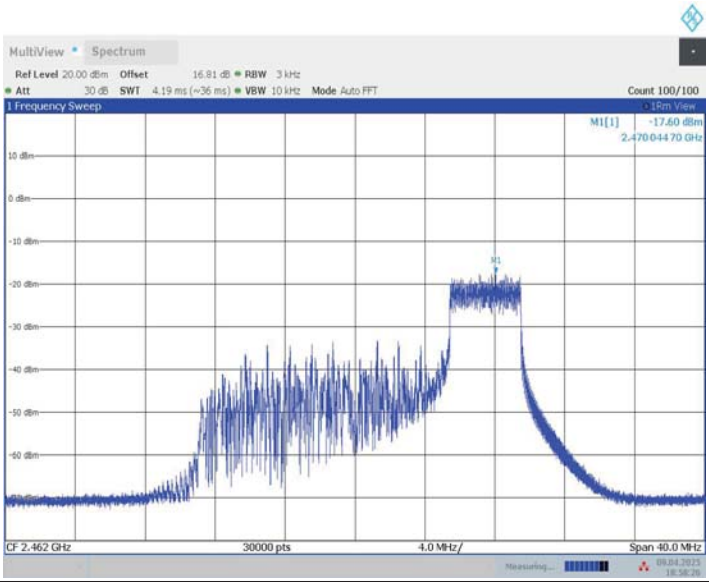


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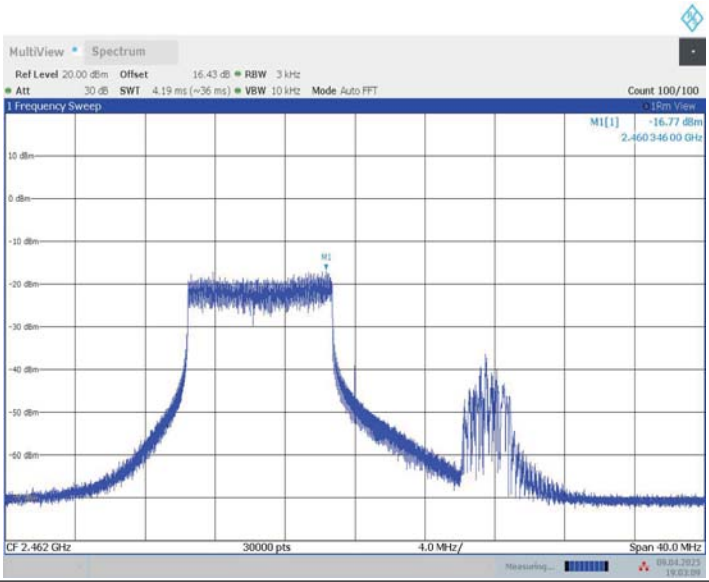


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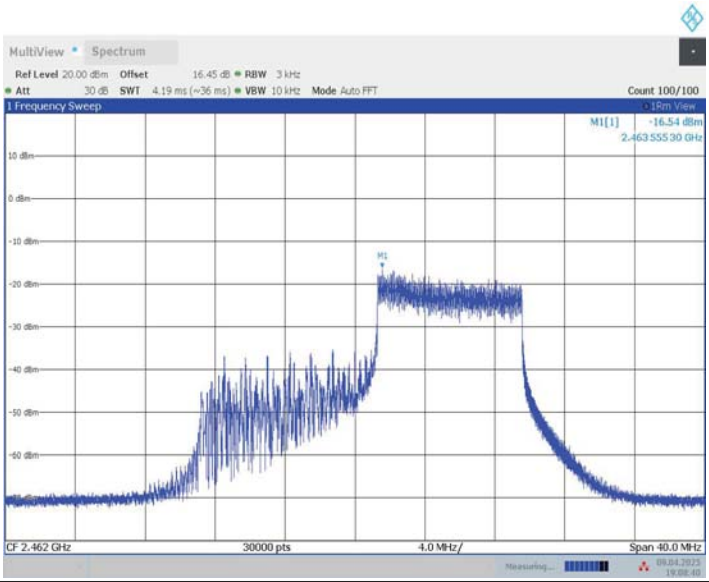


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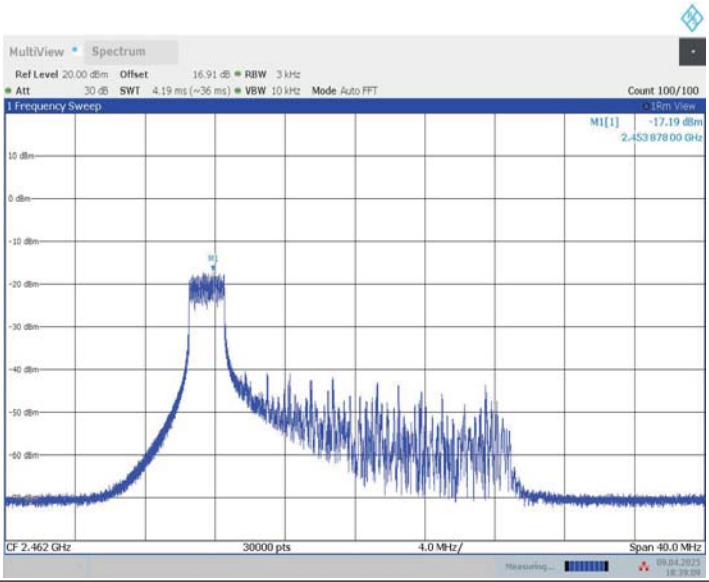


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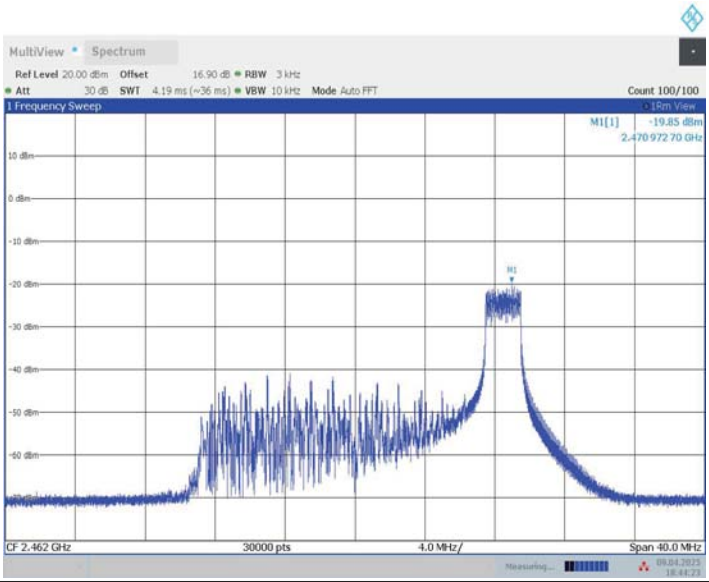


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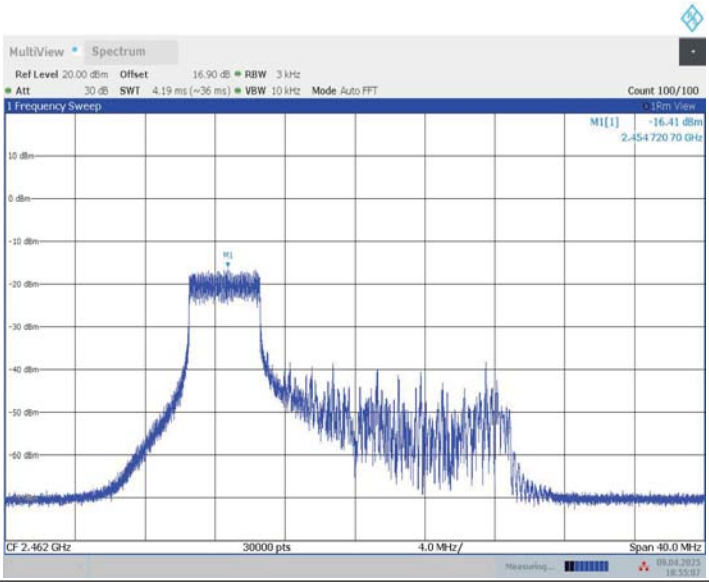


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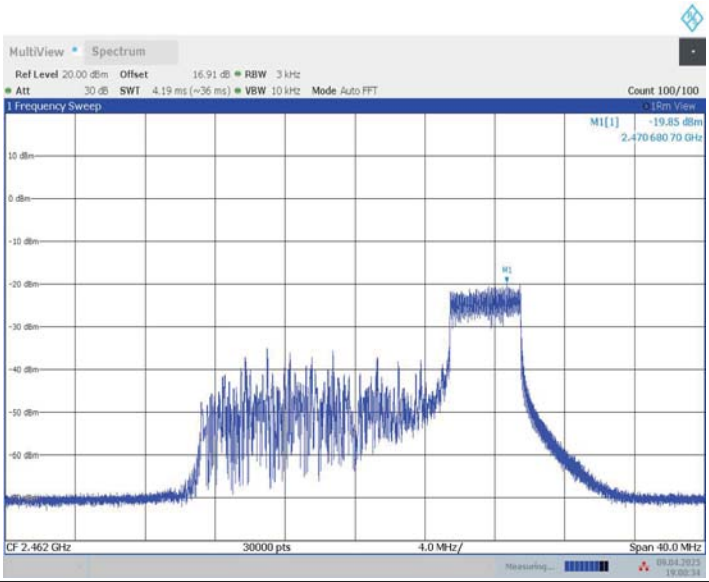


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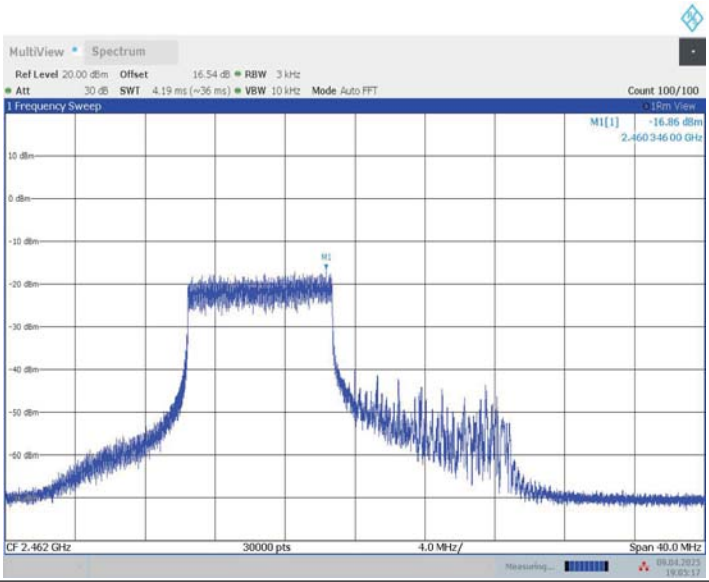


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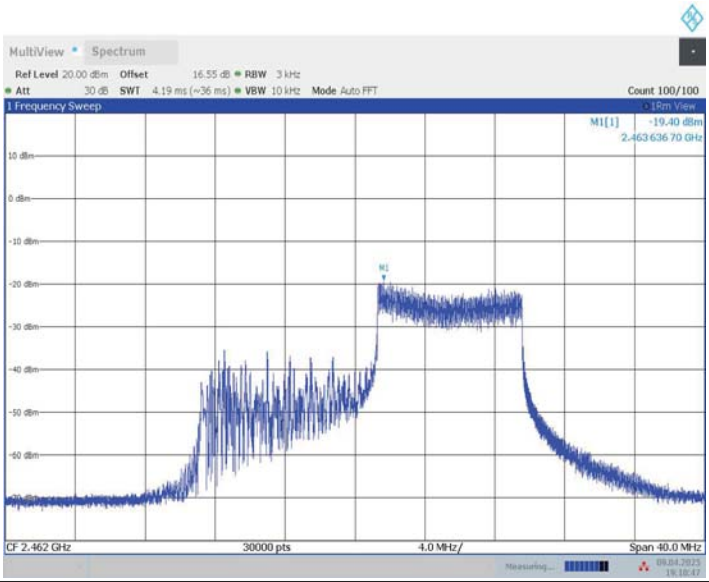



**Conclusion: Pass**

## A.4. DTS 6-dB Signal Bandwidth

**Method of Measurement: See ANSI C63.10-2013 section 11.8.1.**

a) Set RBW = 100 kHz.

b) Set the video bandwidth (VBW) = 300 kHz.

c) Detector = Peak.

d) Trace mode = max hold.

e) Sweep = auto couple.

f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

**Measurement Limit:**

| Standard | Limit (kHz) |
|---|---|
| FCC 47 CFR Part 15.247 (a) | ≥ 500 |

**EUT ID: UT27a**

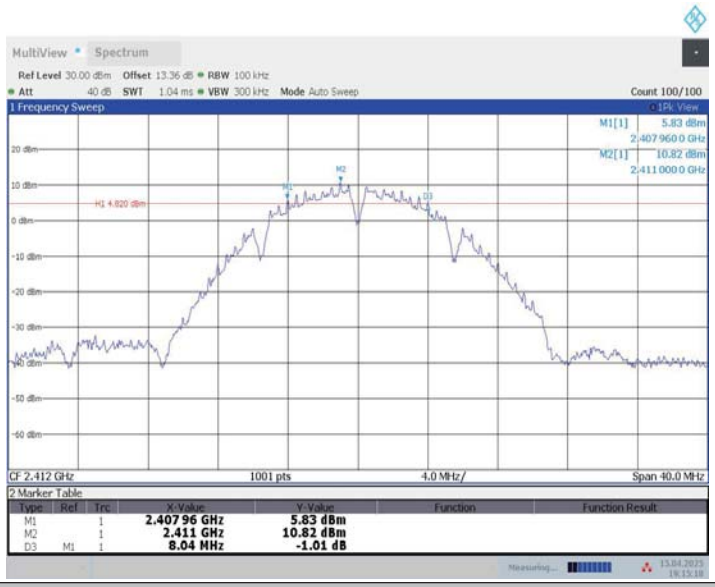
**Measurement Result:**

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant6 | 2412 | 8.04 | 2407.96 | 2416.00 | 0.5 | PASS |
| | Ant9 | 2412 | 8.04 | 2407.96 | 2416.00 | 0.5 | PASS |
| | Ant6 | 2437 | 8.04 | 2432.96 | 2441.00 | 0.5 | PASS |
| | Ant9 | 2437 | 7.52 | 2433.00 | 2440.52 | 0.5 | PASS |
| | Ant6 | 2462 | 8.60 | 2457.44 | 2466.04 | 0.5 | PASS |
| | Ant9 | 2462 | 7.56 | 2458.44 | 2466.00 | 0.5 | PASS |
| 11G | Ant6 | 2412 | 14.04 | 2404.48 | 2418.52 | 0.5 | PASS |
| | Ant9 | 2412 | 12.60 | 2405.72 | 2418.32 | 0.5 | PASS |
| | Ant6 | 2437 | 15.48 | 2429.40 | 2444.88 | 0.5 | PASS |
| | Ant9 | 2437 | 15.16 | 2429.40 | 2444.56 | 0.5 | PASS |
| | Ant6 | 2462 | 15.12 | 2454.44 | 2469.56 | 0.5 | PASS |
| | Ant9 | 2462 | 13.20 | 2455.68 | 2468.88 | 0.5 | PASS |
| 11N20MIMO | Ant6 | 2412 | 15.32 | 2403.56 | 2418.88 | 0.5 | PASS |
| | Ant9 | 2412 | 17.52 | 2403.20 | 2420.72 | 0.5 | PASS |
| | Ant6 | 2437 | 11.92 | 2430.08 | 2442.00 | 0.5 | PASS |
| | Ant9 | 2437 | 16.32 | 2428.20 | 2444.52 | 0.5 | PASS |
| | Ant6 | 2462 | 15.32 | 2453.80 | 2469.12 | 0.5 | PASS |
| | Ant9 | 2462 | 16.28 | 2453.20 | 2469.48 | 0.5 | PASS |
| 11N40MIMO | Ant6 | 2422 | 31.44 | 2405.92 | 2437.36 | 0.5 | PASS |
| | Ant9 | 2422 | 33.12 | 2404.48 | 2437.60 | 0.5 | PASS |
| | Ant6 | 2437 | 32.80 | 2421.72 | 2454.52 | 0.5 | PASS |

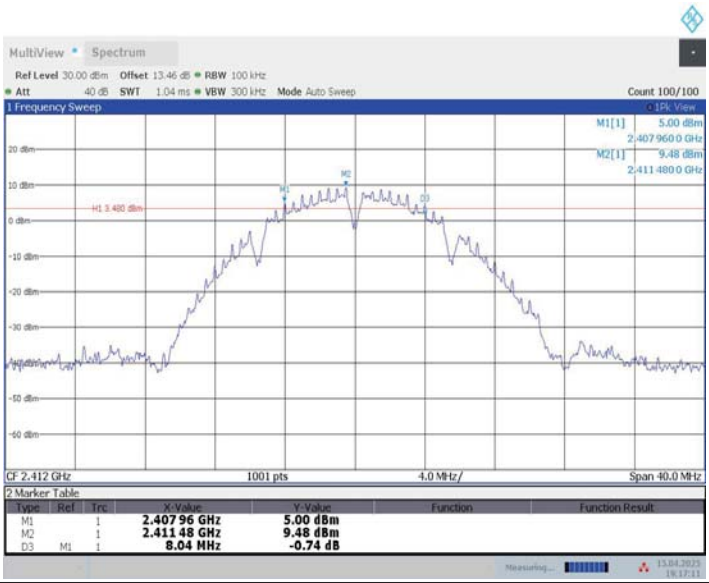
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Ant9 | 2437 | 36.00 | 2419.16 | 2455.16 | 0.5 | PASS |
| | Ant6 | 2452 | 27.76 | 2436.72 | 2464.48 | 0.5 | PASS |
| | Ant9 | 2452 | 34.48 | 2435.04 | 2469.52 | 0.5 | PASS |
| 11AX20MIMO | Ant6 | 2412 | 13.76 | 2403.48 | 2417.24 | 0.5 | PASS |
| | Ant9 | 2412 | 16.28 | 2403.28 | 2419.56 | 0.5 | PASS |
| | Ant6 | 2437 | 15.88 | 2429.88 | 2445.76 | 0.5 | PASS |
| | Ant9 | 2437 | 18.36 | 2427.52 | 2445.88 | 0.5 | PASS |
| | Ant6 | 2462 | 13.92 | 2453.76 | 2467.68 | 0.5 | PASS |
| | Ant9 | 2462 | 17.64 | 2452.48 | 2470.12 | 0.5 | PASS |
| 11AX40MIMO | Ant6 | 2422 | 36.32 | 2402.96 | 2439.28 | 0.5 | PASS |
| | Ant9 | 2422 | 35.44 | 2403.44 | 2438.88 | 0.5 | PASS |
| | Ant6 | 2437 | 36.00 | 2419.32 | 2455.32 | 0.5 | PASS |
| | Ant9 | 2437 | 35.36 | 2418.68 | 2454.04 | 0.5 | PASS |
| | Ant6 | 2452 | 34.40 | 2435.52 | 2469.92 | 0.5 | PASS |
| | Ant9 | 2452 | 26.24 | 2443.28 | 2469.52 | 0.5 | PASS |

**Test graphs as below:**

11B_Ant6_2412




11B_Ant9_2412

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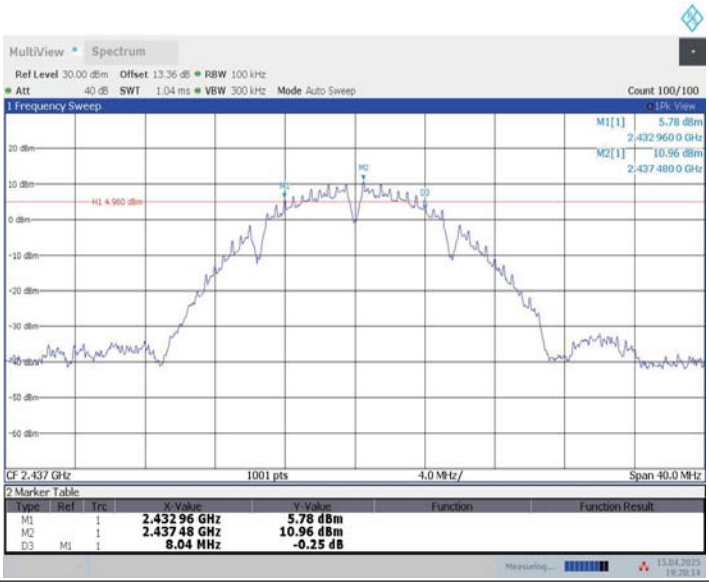


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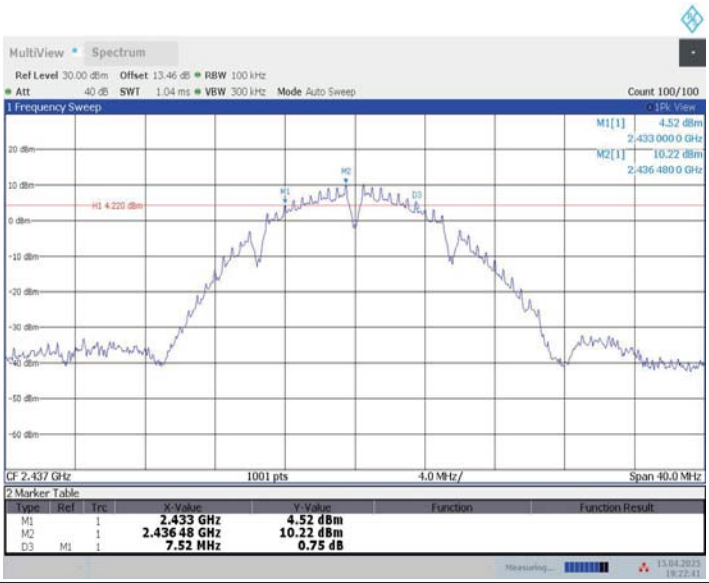
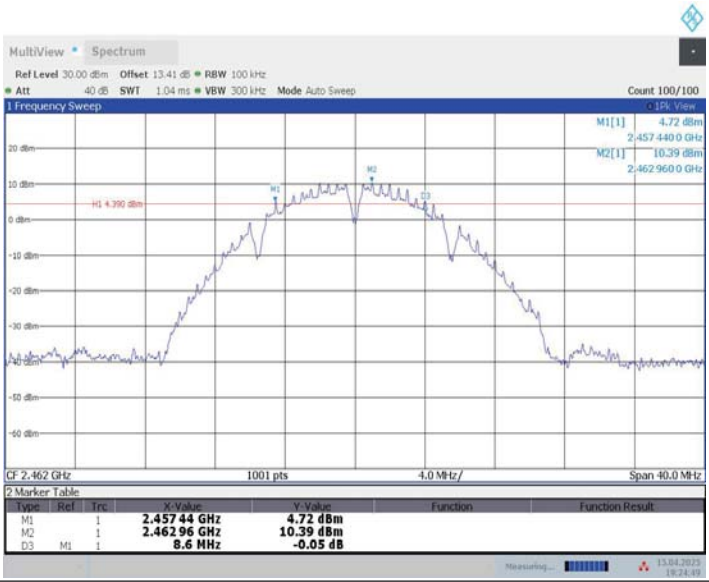
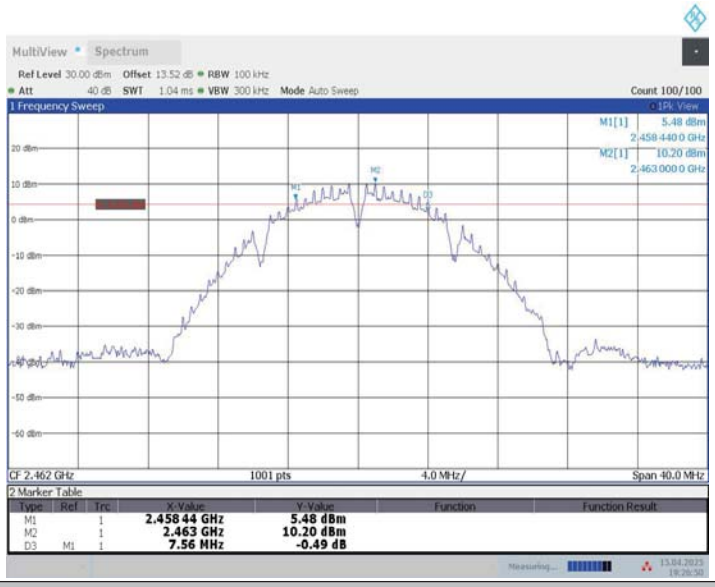



11B_Ant6_2462




11B_Ant9_2462

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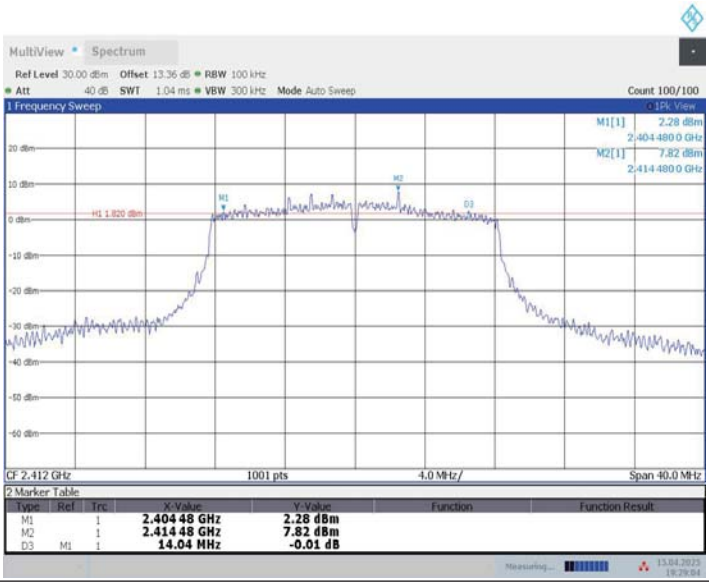


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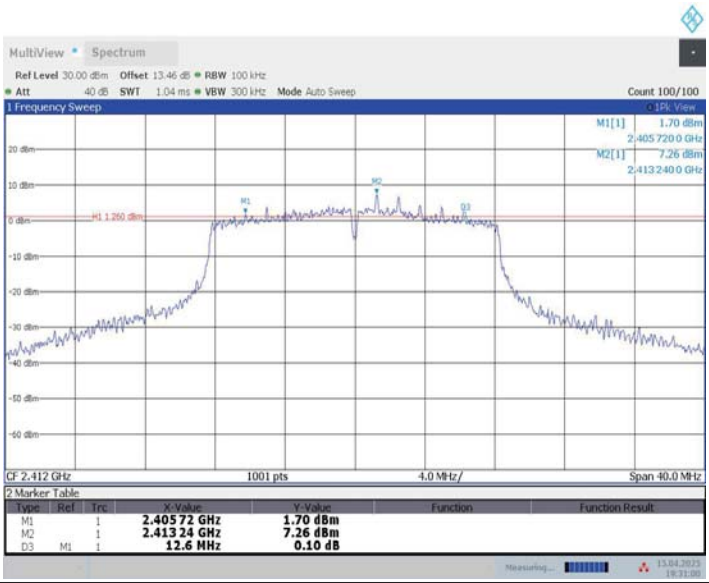


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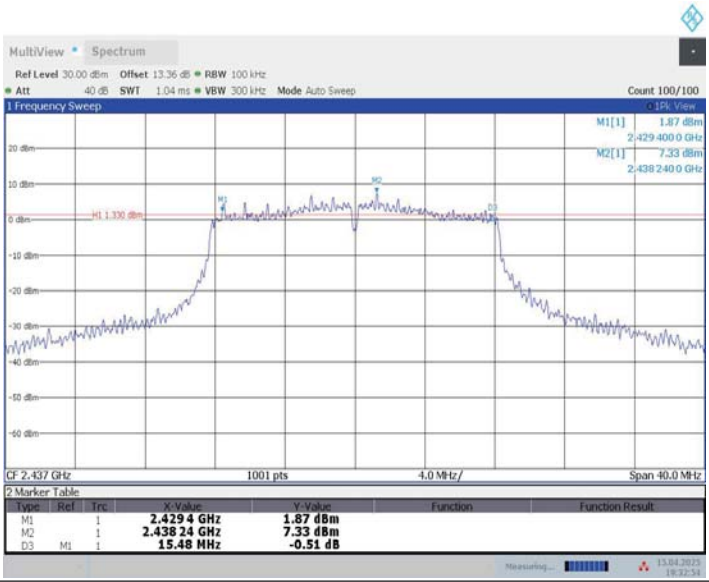


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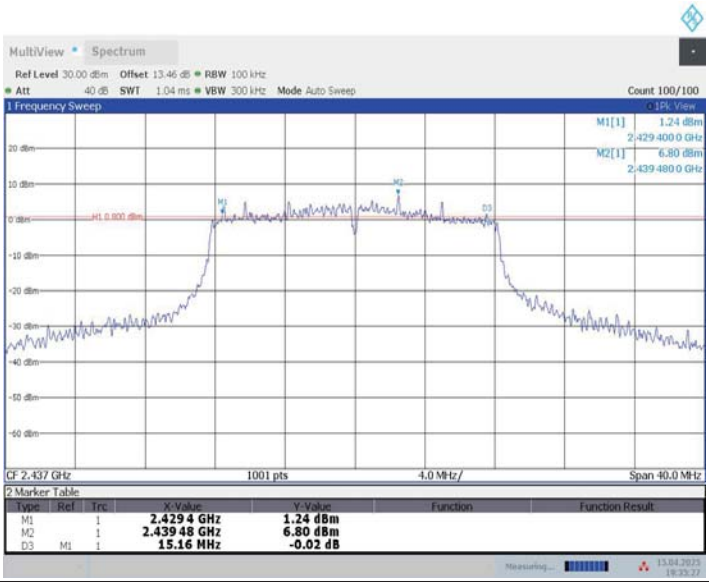


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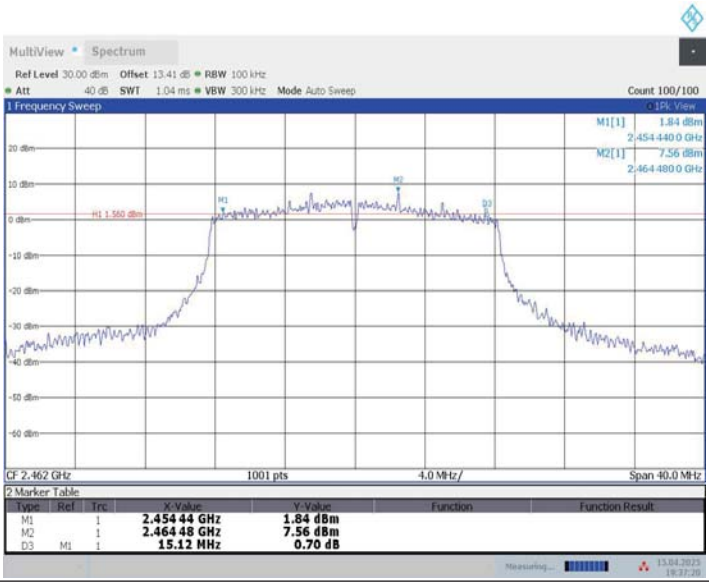


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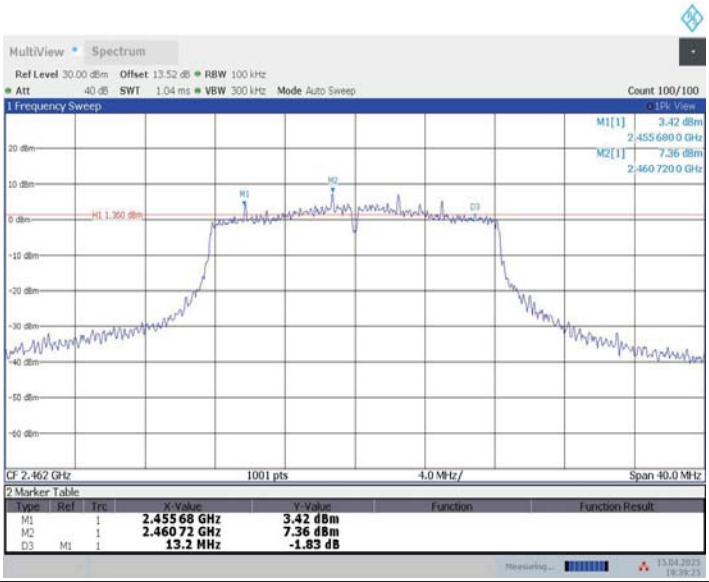
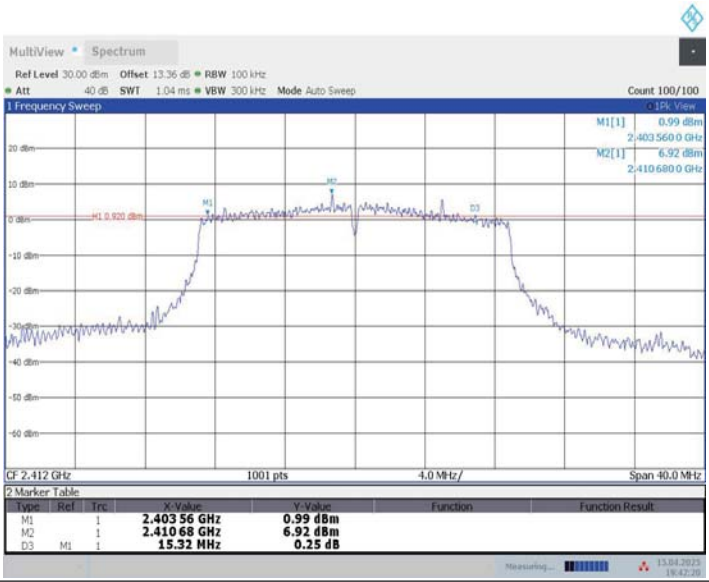



11N20MIMO_Ant6_2412

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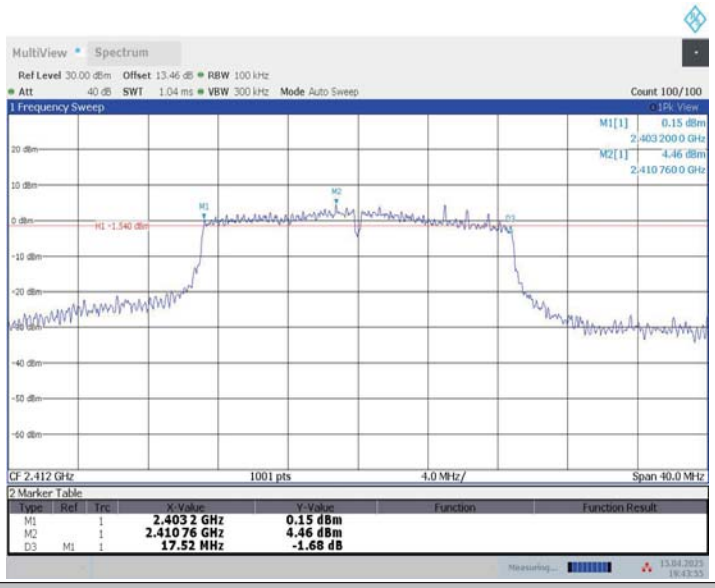


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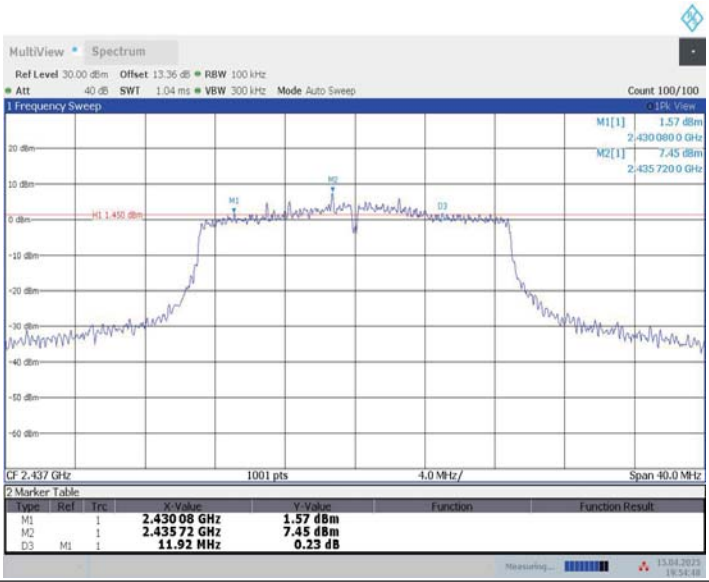


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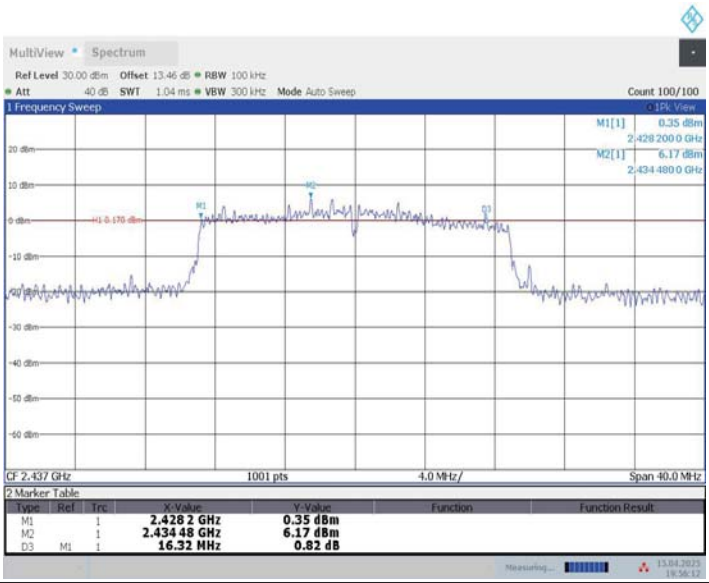


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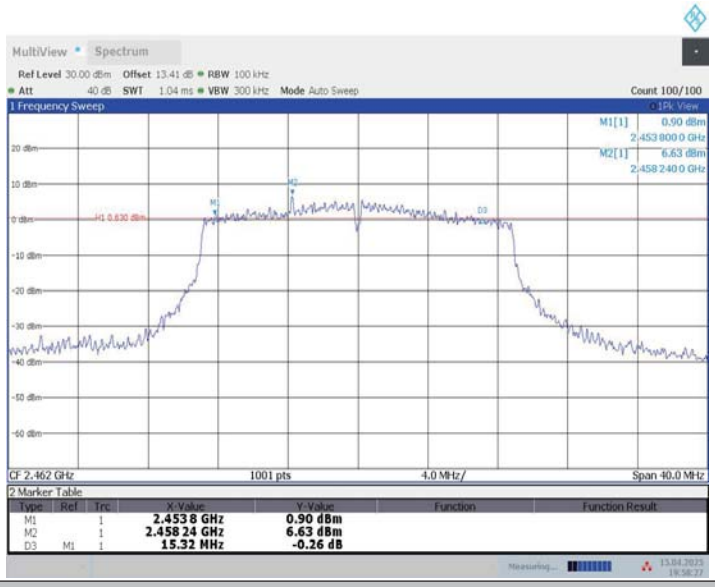


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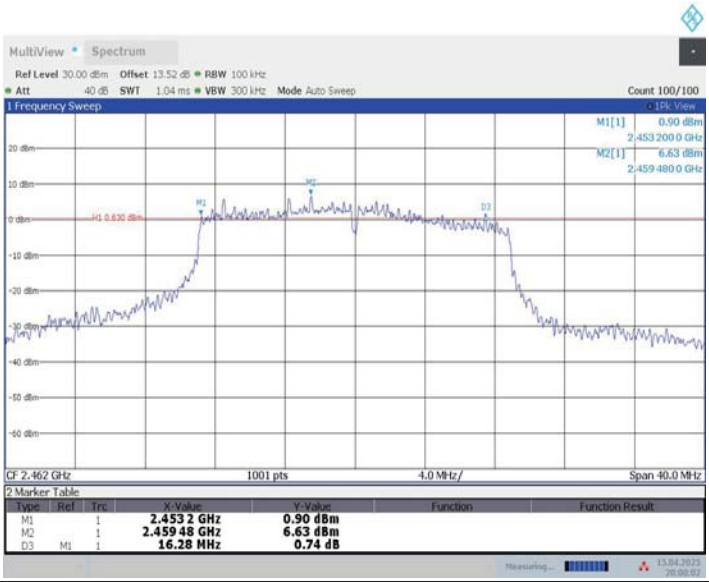


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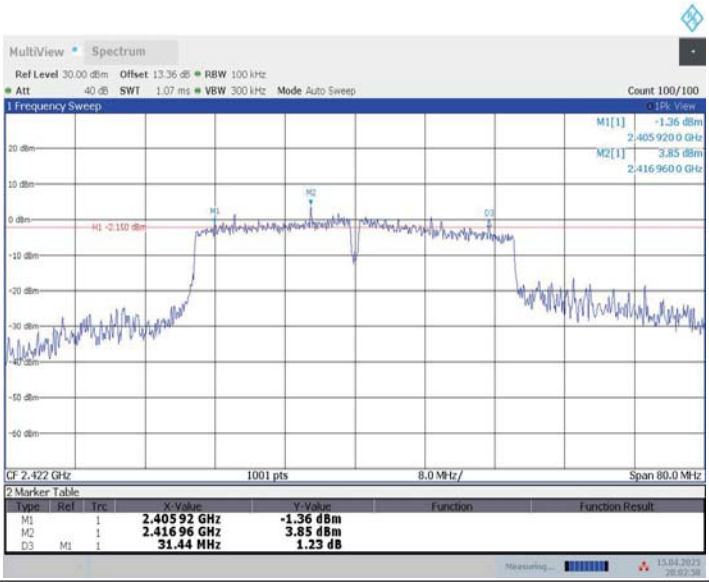


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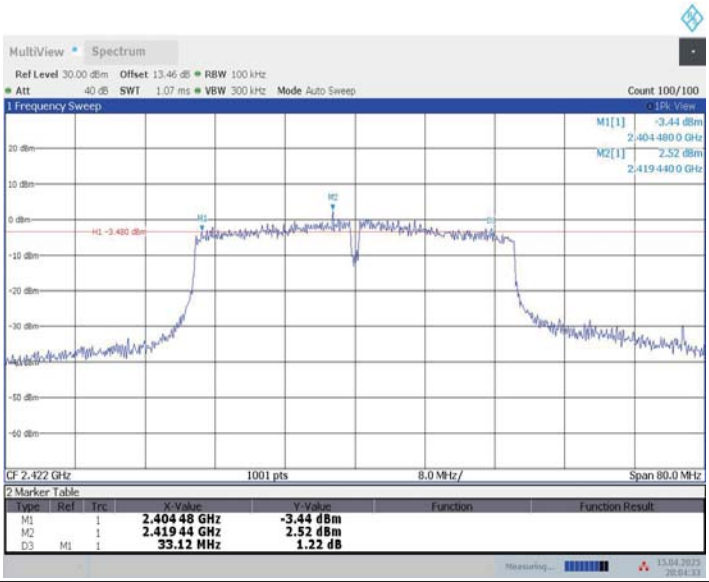


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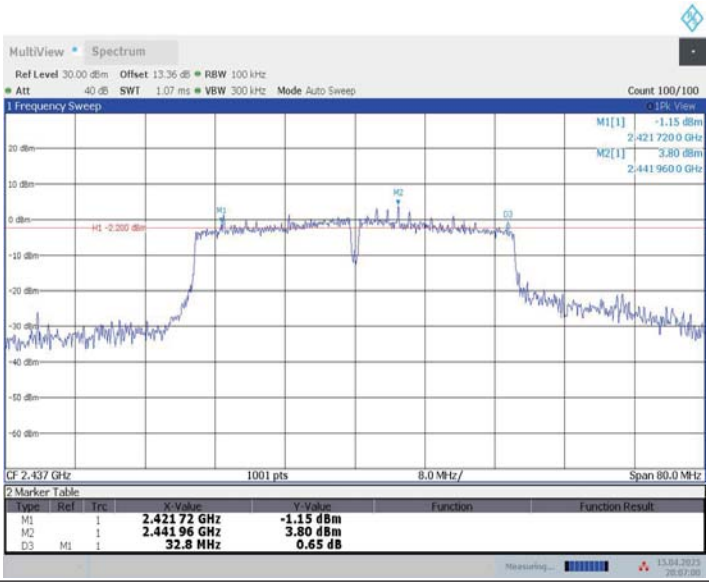


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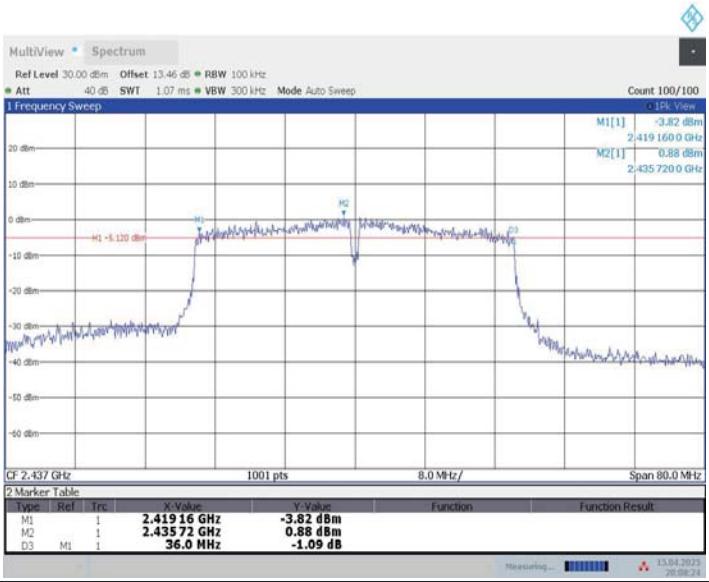


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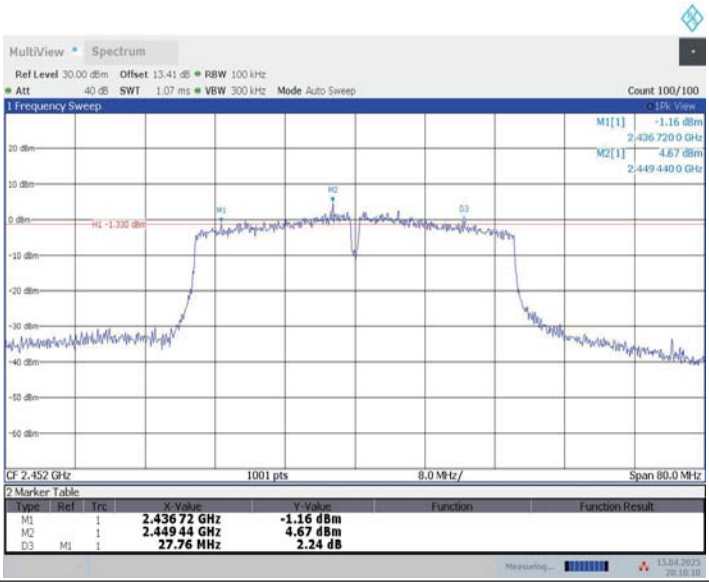
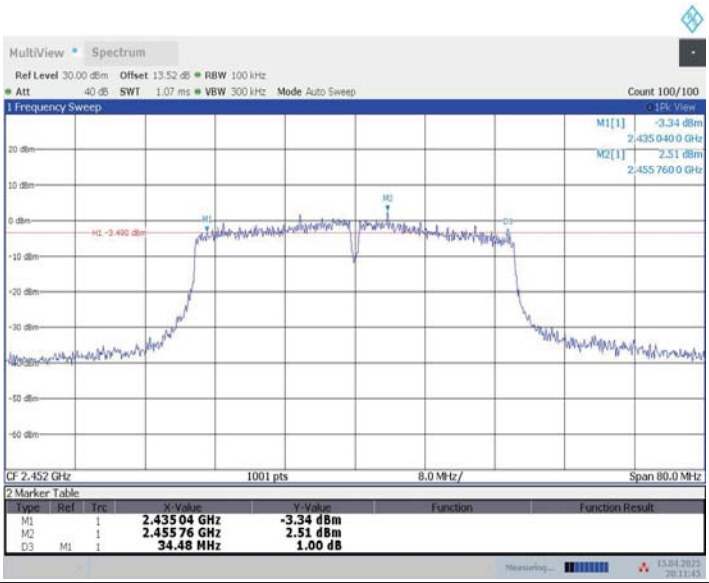



11N40MIMO_Ant9_2452

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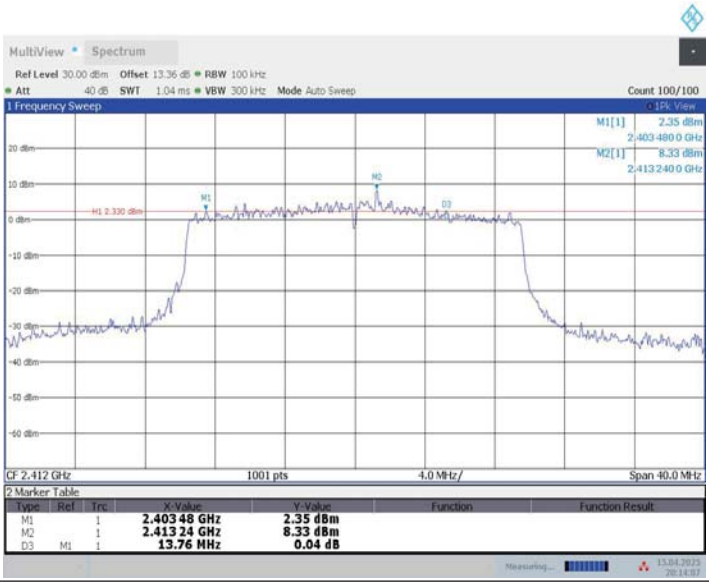


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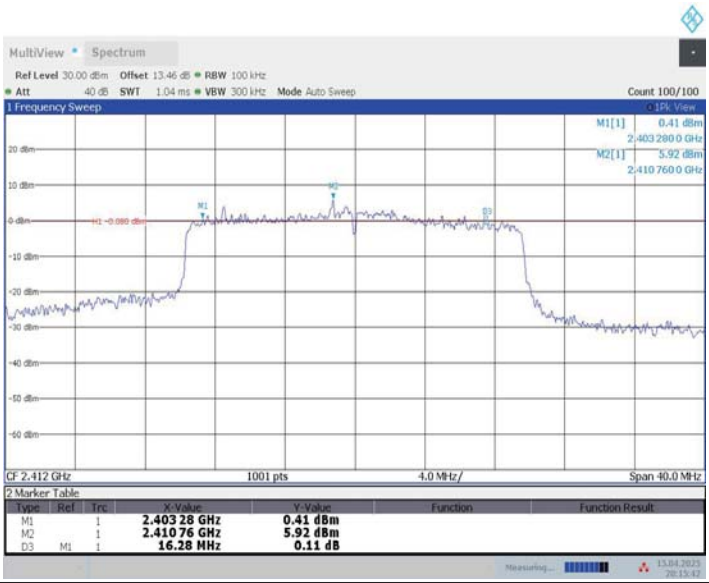


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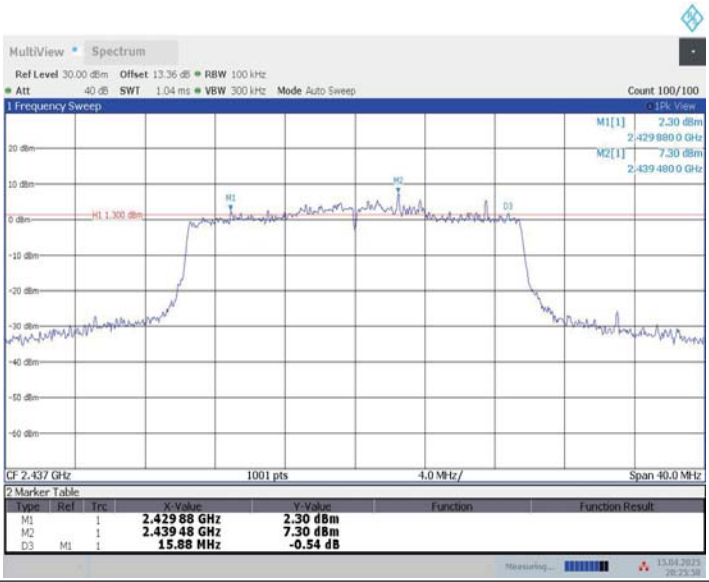
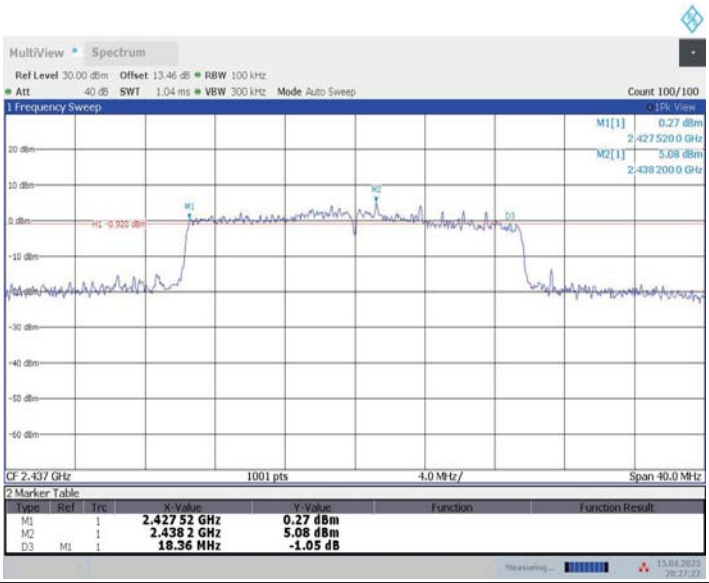
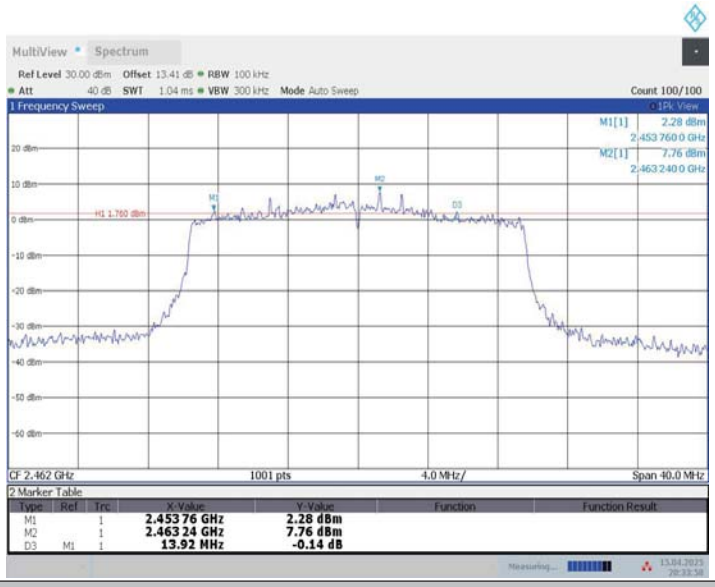


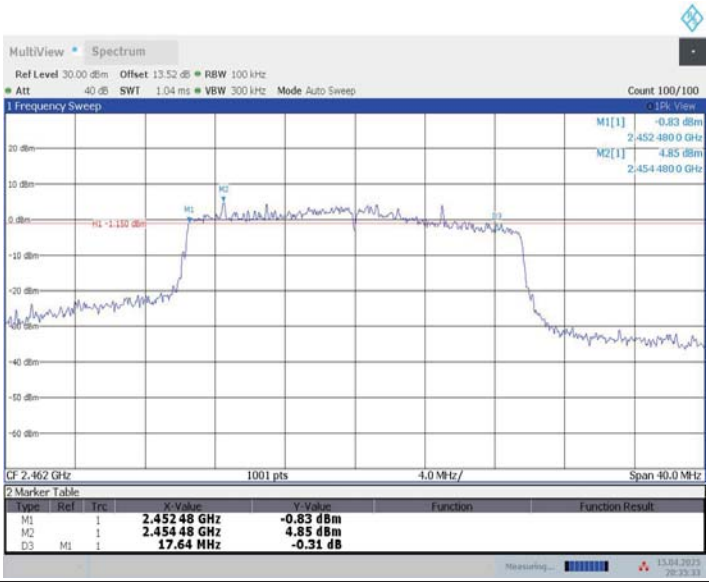

11AX20MIMO_Ant9_2437



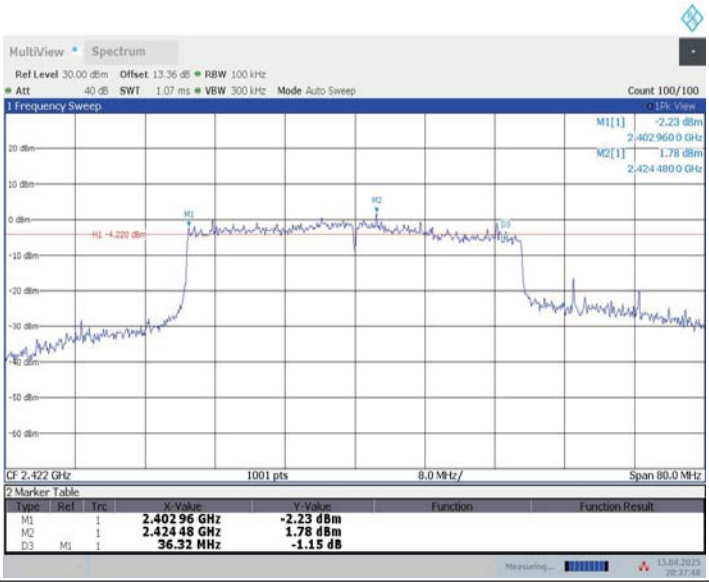

11AX20MIMO_Ant6_2462




11AX20MIMO_Ant9_2462




11AX40MIMO_Ant6_2422

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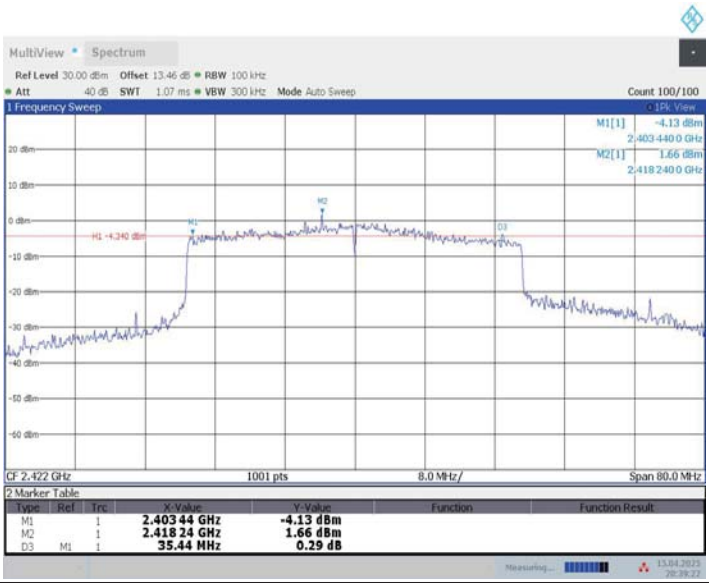
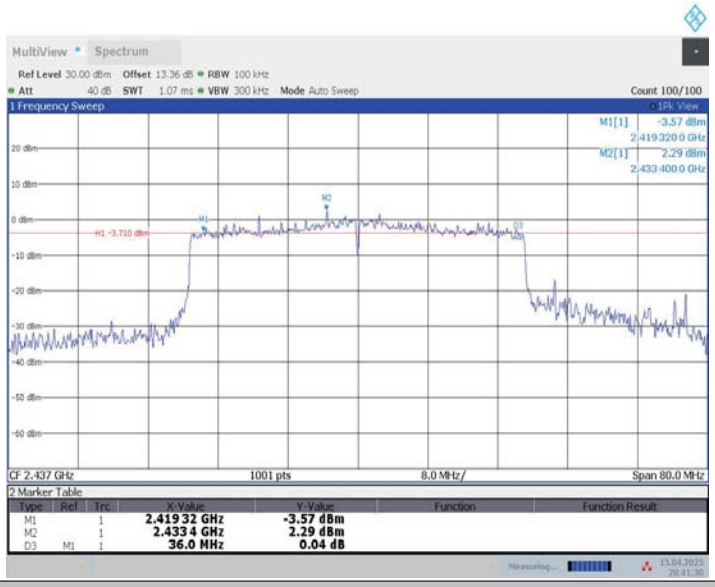
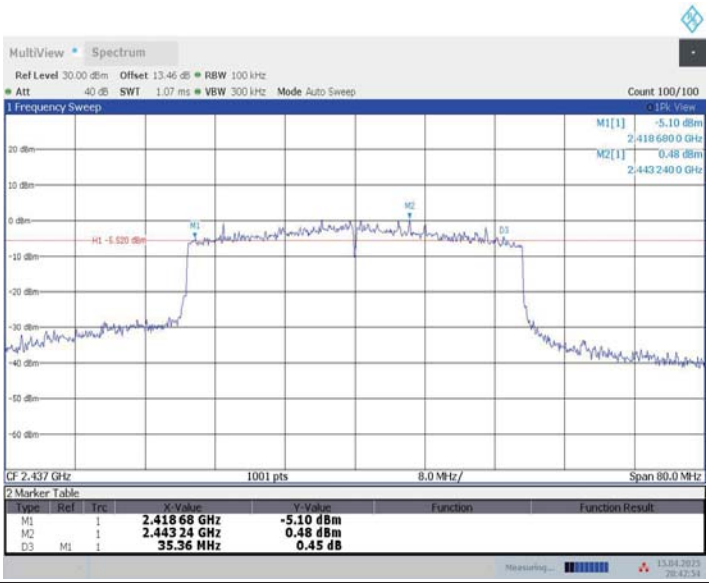


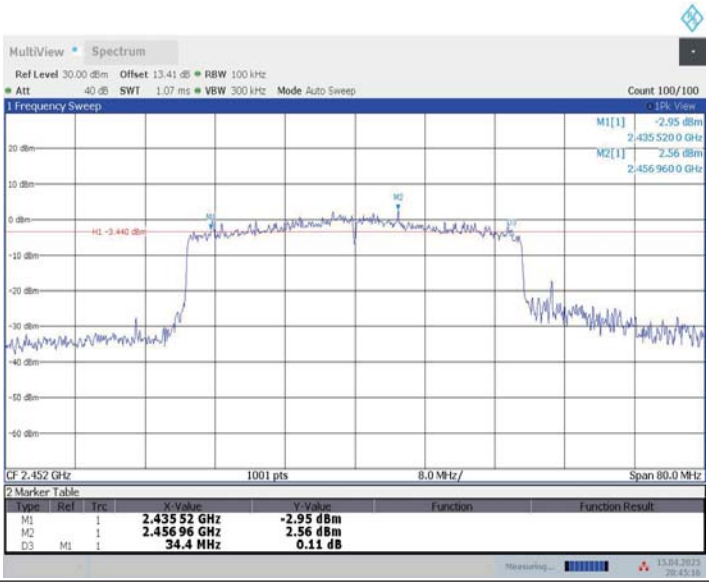

11AX40MIMO_Ant6_2437



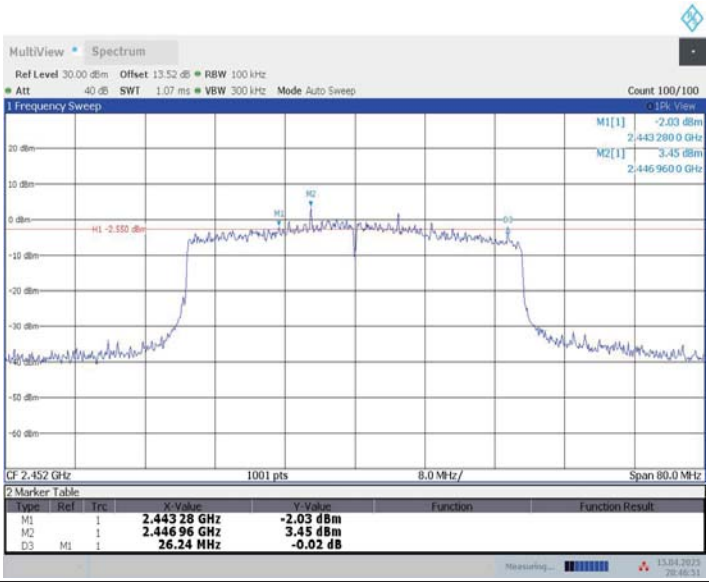

11AX40MIMO_Ant9_2437




11AX40MIMO_Ant6_2452




11AX40MIMO_Ant9_2452




**Conclusion: Pass**

## A.5. Band Edges Compliance

**Method of Measurement: See ANSI C63.10-2013-clause 6.10.4**

Connect the spectrum analyzer to the EUT using an appropriate RF cable connected to the EUT output. Configure the spectrum analyzer settings as described below.

a) Set Span = 100MHz
b) Sweep Time: coupled
c) Set the RBW= 100 kHz
c) Set the VBW= 300 kHz
d) Detector: Peak
e) Trace: Max hold

**Measurement Limit:**

| Standard | Limit (dBc) |
|---|---|
| FCC 47 CFR Part 15.247 (d) | > 20 |

**EUT ID: UT27a**

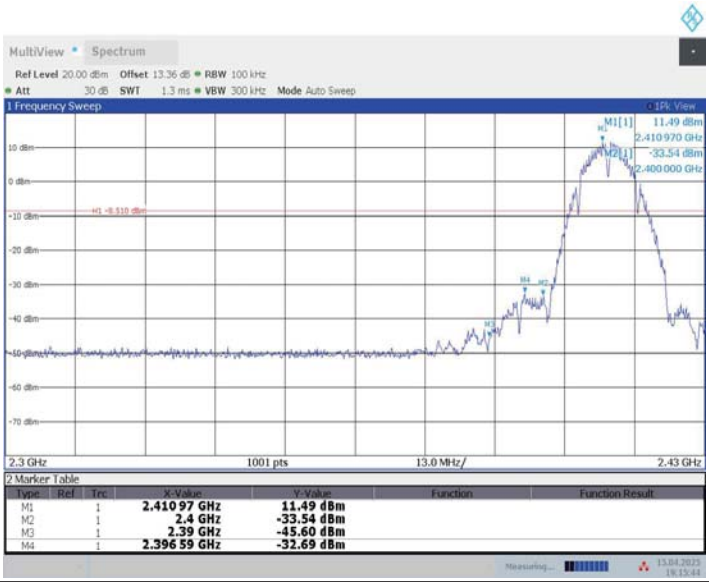
**Measurement Result:**

| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant6 | Low | 2412 | 11.49 | -32.69 | ≤-8.51 | PASS |
| | Ant9 | Low | 2412 | 9.97 | -37.34 | ≤-10.03 | PASS |
| | Ant6 | High | 2462 | 11.67 | -46.71 | ≤-8.33 | PASS |
| | Ant9 | High | 2462 | 10.39 | -46.97 | ≤-9.61 | PASS |
| 11G | Ant6 | Low | 2412 | 8.85 | -26.36 | ≤-11.15 | PASS |
| | Ant9 | Low | 2412 | 7.36 | -23.3 | ≤-12.64 | PASS |
| | Ant6 | High | 2462 | 9.02 | -37.9 | ≤-10.98 | PASS |
| | Ant9 | High | 2462 | 7.84 | -43.6 | ≤-12.16 | PASS |
| 11N20MIMO | Ant6 | Low | 2412 | 7.08 | -26.52 | ≤-12.92 | PASS |
| | Ant9 | Low | 2412 | 6.38 | -20.85 | ≤-13.62 | PASS |
| | Ant6 | High | 2462 | 8.81 | -39.36 | ≤-11.19 | PASS |
| | Ant9 | High | 2462 | 7.19 | -34.67 | ≤-12.81 | PASS |
| 11N40MIMO | Ant6 | Low | 2422 | 3.32 | -35.46 | ≤-16.68 | PASS |
| | Ant9 | Low | 2422 | 2.73 | -31.19 | ≤-17.27 | PASS |
| | Ant6 | High | 2452 | 5.17 | -31.59 | ≤-14.83 | PASS |
| | Ant9 | High | 2452 | 4.09 | -32.79 | ≤-15.91 | PASS |
| 11AX20MIMO | Ant6 | Low | 2412 | 8.83 | -27.32 | ≤-11.17 | PASS |
| | Ant9 | Low | 2412 | 6.76 | -18.56 | ≤-13.24 | PASS |
| | Ant6 | High | 2462 | 8.43 | -35.71 | ≤-11.57 | PASS |
| | Ant9 | High | 2462 | 6.44 | -31.84 | ≤-13.56 | PASS |
| 11AX40MIMO | Ant6 | Low | 2422 | 2.90 | -23.94 | ≤-17.1 | PASS |
| | Ant9 | Low | 2422 | 2.94 | -25.34 | ≤-17.06 | PASS |
| | Ant6 | High | 2452 | 5.28 | -31.66 | ≤-14.72 | PASS |

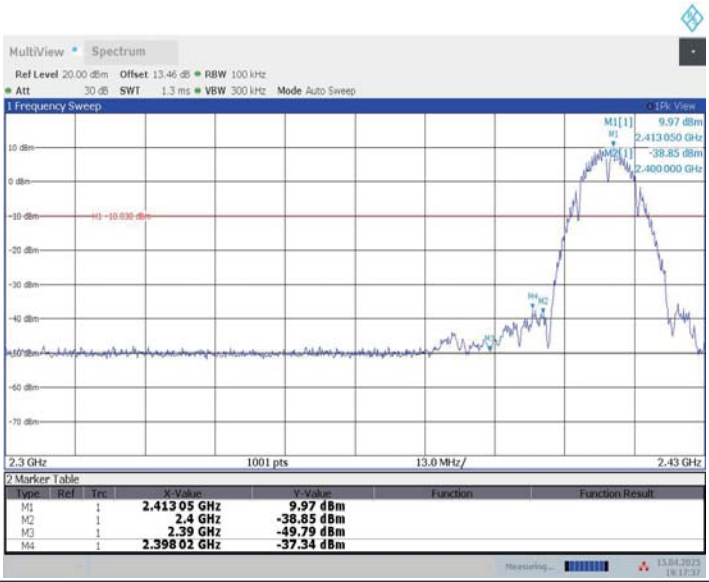
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Ant9 | High | 2452 | 3.57 | -33.86 | ≤-16.43 | PASS |

**Test graphs as below:**

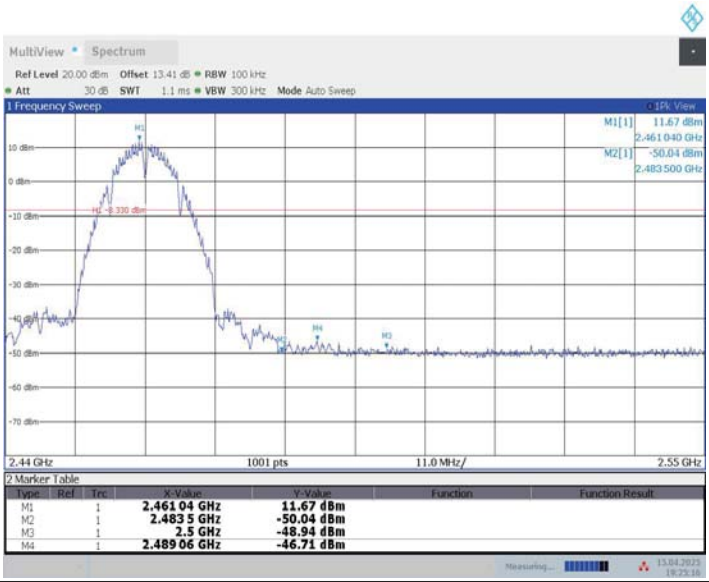
11B_Ant6_Low_2412



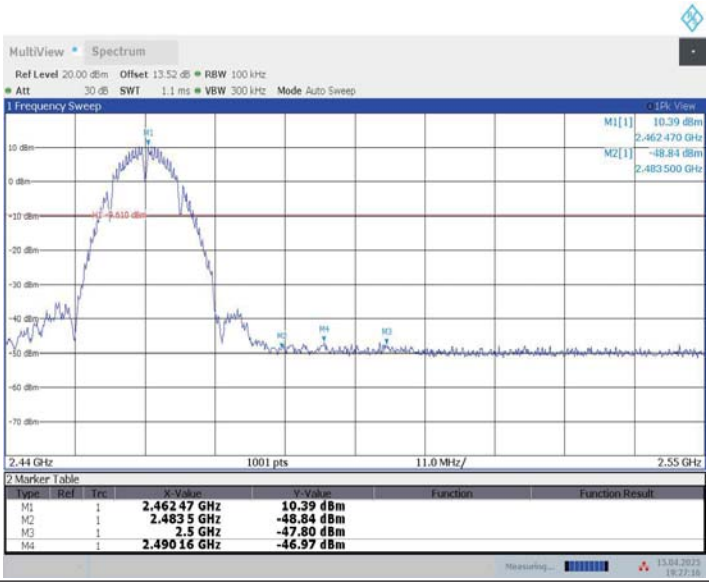

11B_Ant9_Low_2412




11B_Ant6_High_2462

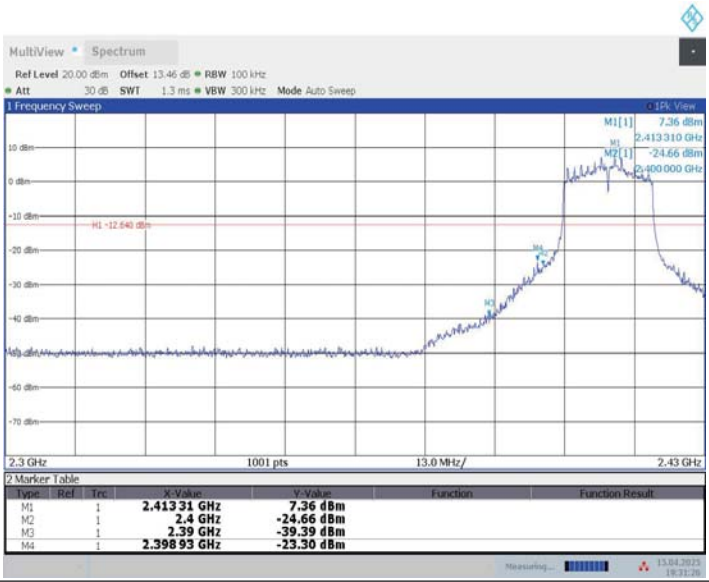



11B_Ant9_High_2462

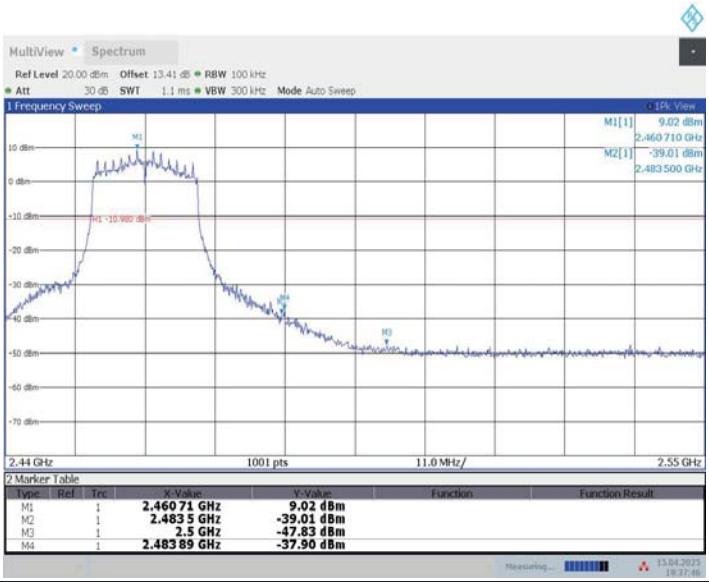



11G_Ant6_Low_2412

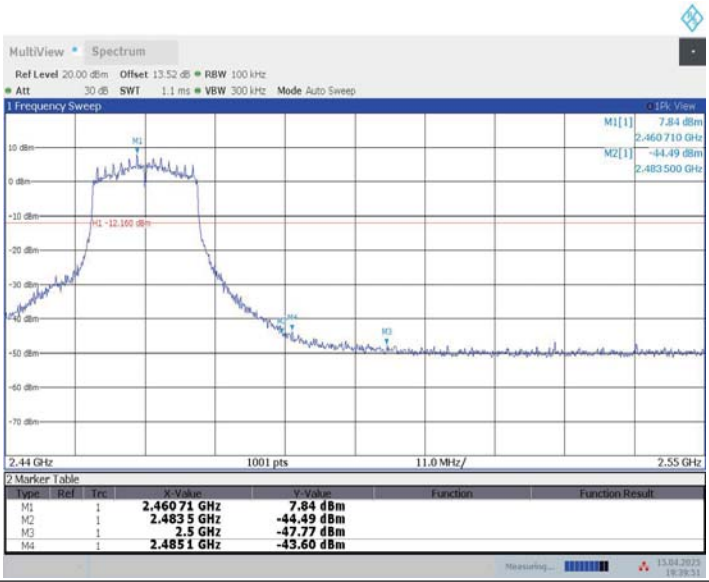

11G_Ant9_Low_2412



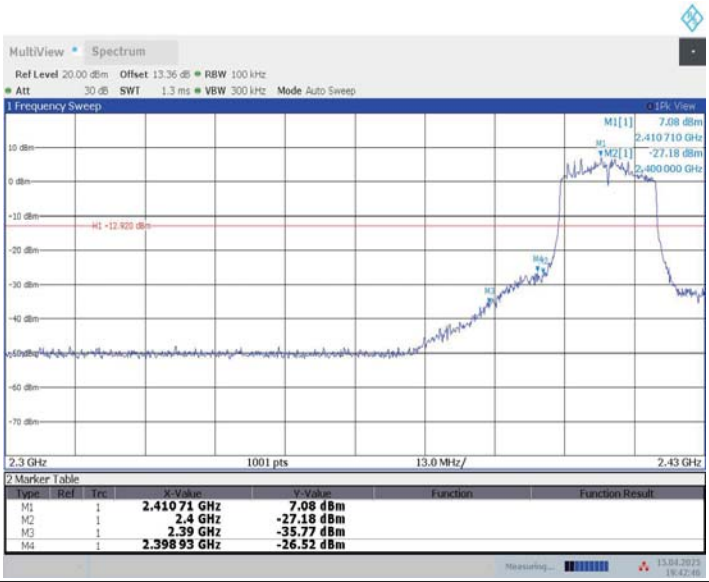

11G_Ant6_High_2462




11G_Ant9_High_2462

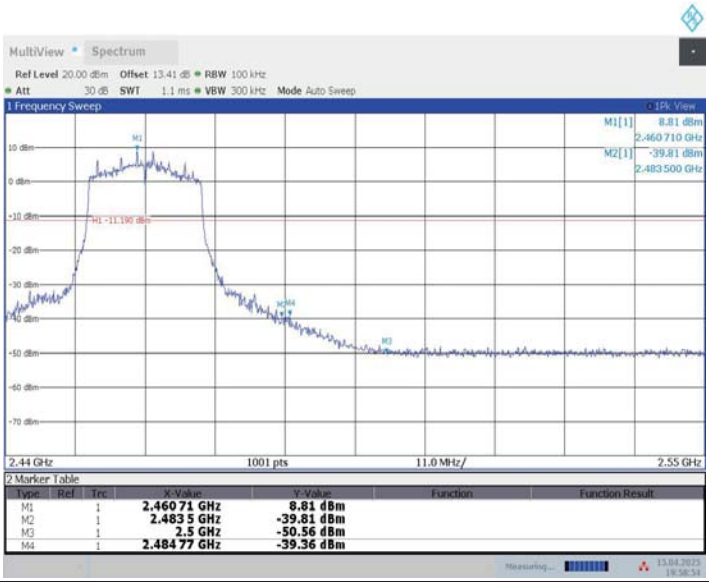



11N20MIMO_Ant6_Low_2412

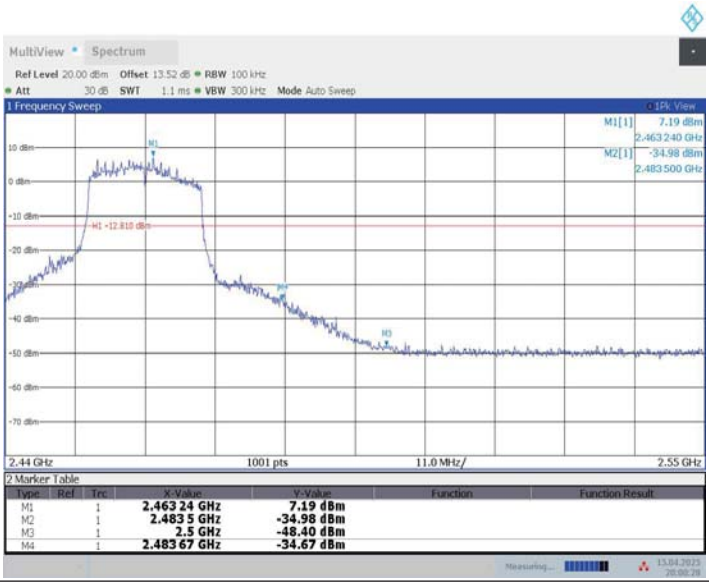



11N20MIMO_Ant9_Low_2412


11N20MIMO_Ant6_High_2462



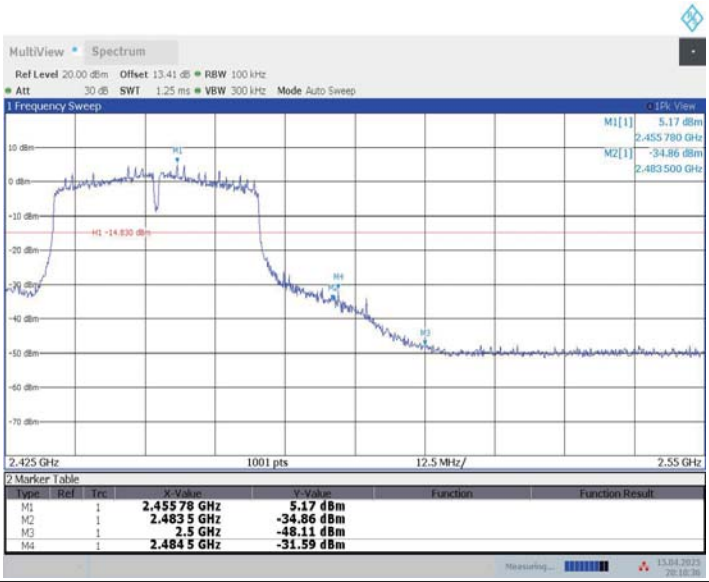

11N20MIMO_Ant9_High_2462



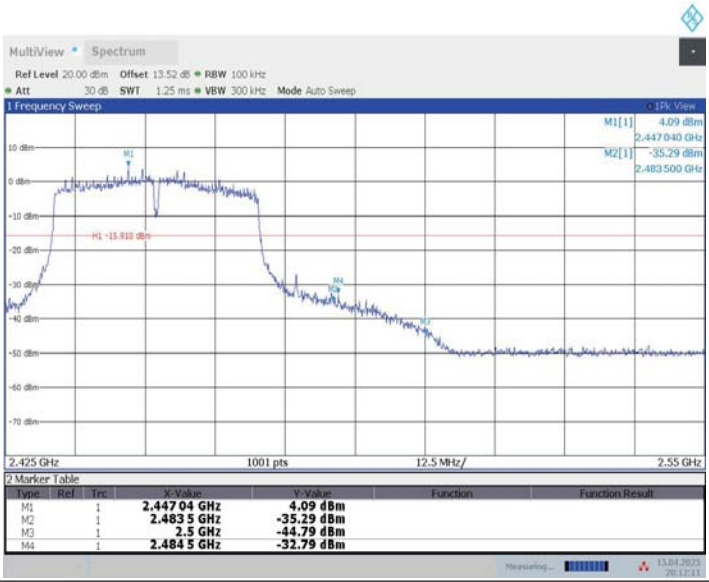

11N40MIMO_Ant6_Low_2422


11N40MIMO_Ant9_Low_2422

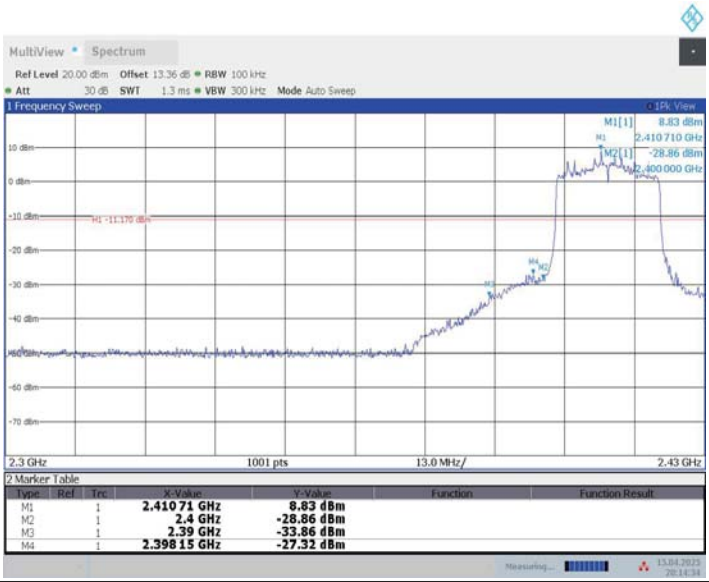

11N40MIMO_Ant6_High_2452



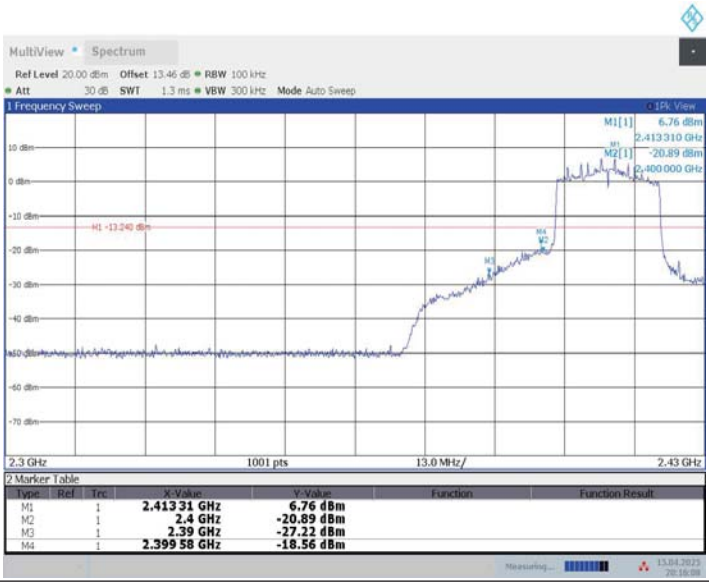

11N40MIMO_Ant9_High_2452



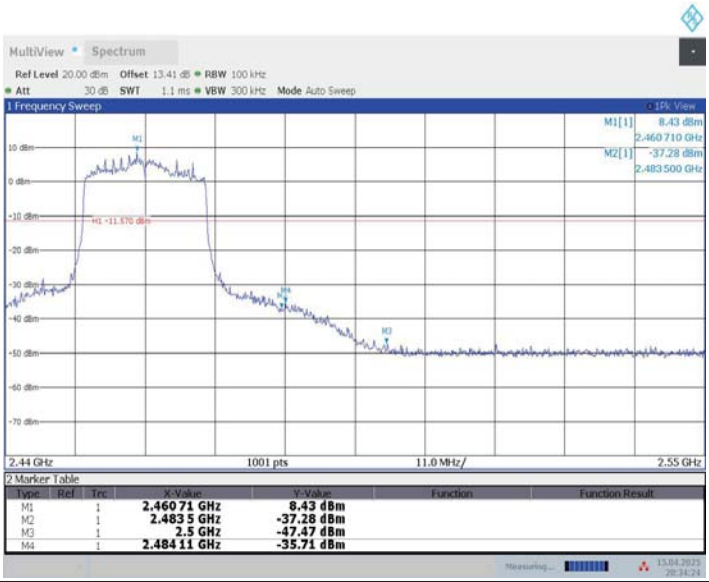

11AX20MIMO_Ant6_Low_2412



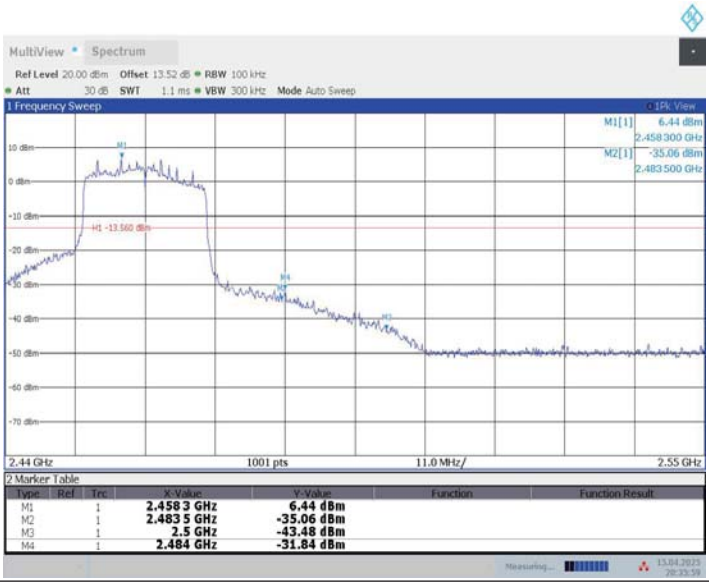

11AX20MIMO_Ant9_Low_2412



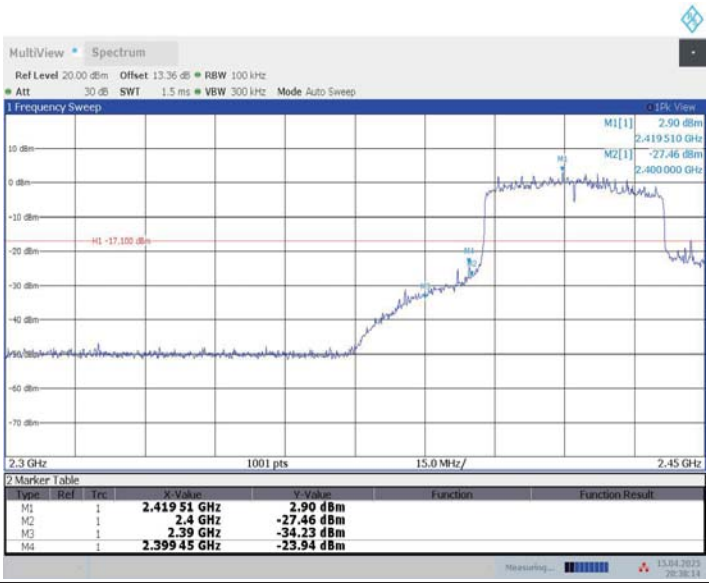

11AX20MIMO_Ant6_High_2462




11AX20MIMO_Ant9_High_2462

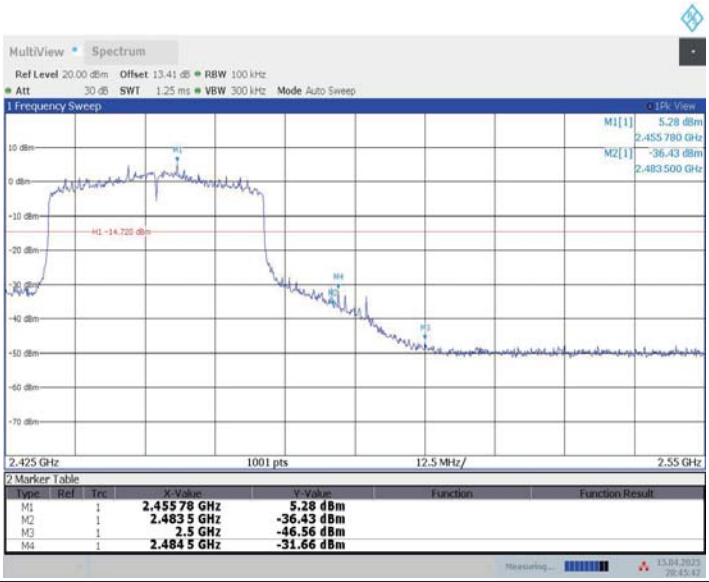



11AX40MIMO_Ant6_Low_2422

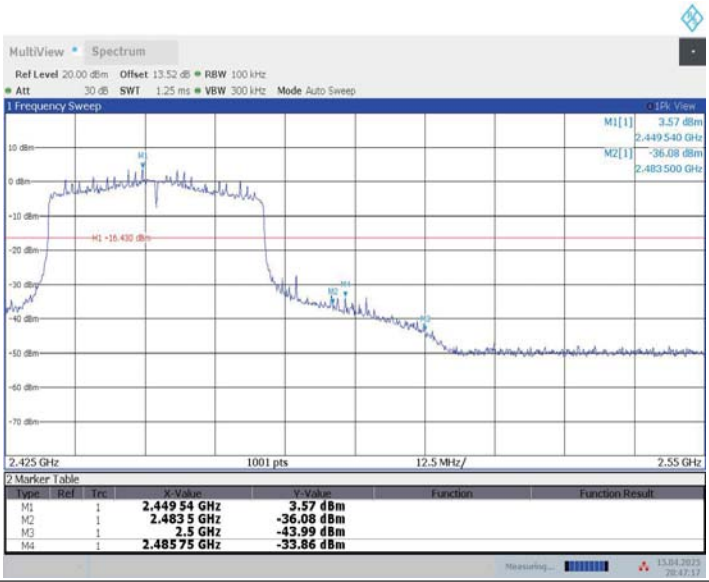



11AX40MIMO_Ant9_Low_2422


11AX40MIMO_Ant6_High_2452



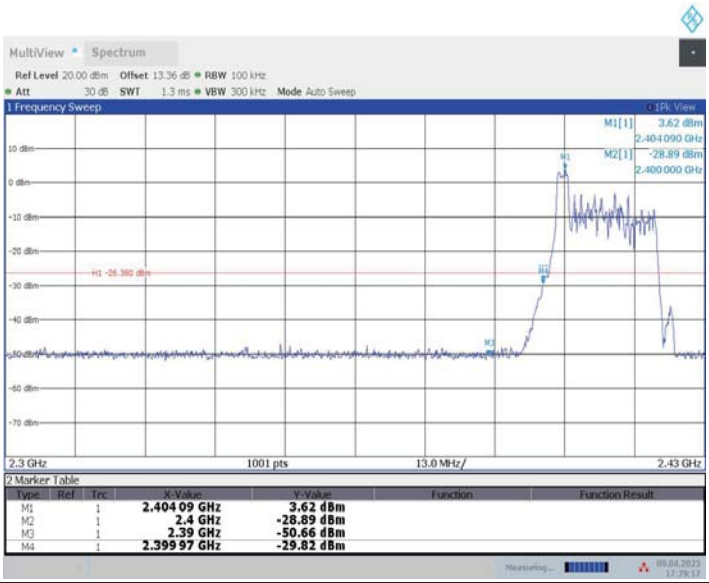

11AX40MIMO_Ant9_High_2452



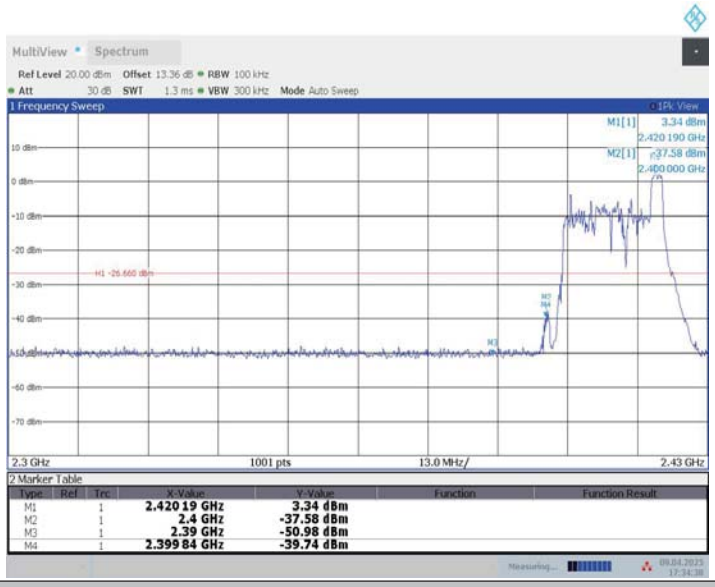
**RU MIMO**

| Test Mode | Antenna | ChName | Frequency [MHz] | Ru Size | Ru Index | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| 11AX20 MIMO | Ant6 | Low | 2412 | 26Tone | RU0 | 3.62 | -29.82 | ≤-26.38 | PASS |
| | | | | | RU8 | 3.34 | -39.74 | ≤-26.66 | PASS |
| | | | | 52Tone | RU37 | 3.24 | -30.14 | ≤-26.76 | PASS |
| | | | | | RU40 | 2.68 | -43.05 | ≤-27.32 | PASS |
| | | | | 106Tone | RU53 | -1.88 | -37.17 | ≤-31.88 | PASS |
| | | | | | RU54 | 2.43 | -33.18 | ≤-27.57 | PASS |
| | Ant9 | Low | 2412 | 26Tone | RU0 | 3.40 | -33.35 | ≤-26.6 | PASS |
| | | | | | RU8 | 1.97 | -44.01 | ≤-28.03 | PASS |
| | | | | 52Tone | RU37 | 3.45 | -31.93 | ≤-26.55 | PASS |
| | | | | | RU40 | 2.62 | -42.81 | ≤-27.38 | PASS |
| | | | | 106Tone | RU53 | 1.53 | -32.82 | ≤-28.47 | PASS |
| | | | | | RU54 | 0.65 | -37.76 | ≤-29.35 | PASS |
| | Ant6 | High | 2462 | 26Tone | RU0 | 2.75 | -48.02 | ≤-27.25 | PASS |
| | | | | | RU8 | 1.28 | -47.65 | ≤-28.72 | PASS |
| | | | | 52Tone | RU37 | 3.26 | -47.69 | ≤-26.74 | PASS |
| | | | | | RU40 | 1.97 | -47.21 | ≤-28.03 | PASS |
| | | | | 106Tone | RU53 | 2.73 | -43.08 | ≤-27.27 | PASS |
| | | | | | RU54 | 2.51 | -44.53 | ≤-27.49 | PASS |
| | Ant9 | High | 2462 | 26Tone | RU0 | 3.44 | -47.28 | ≤-26.56 | PASS |
| | | | | | RU8 | -0.13 | -47.87 | ≤-30.13 | PASS |
| | | | | 52Tone | RU37 | 3.28 | -43.7 | ≤-26.72 | PASS |
| | | | | | RU40 | -0.37 | -45.62 | ≤-30.37 | PASS |
| | | | | 106Tone | RU53 | 3.37 | -39.71 | ≤-26.63 | PASS |
| | | | | | RU54 | 1.50 | -37.7 | ≤-28.5 | PASS |

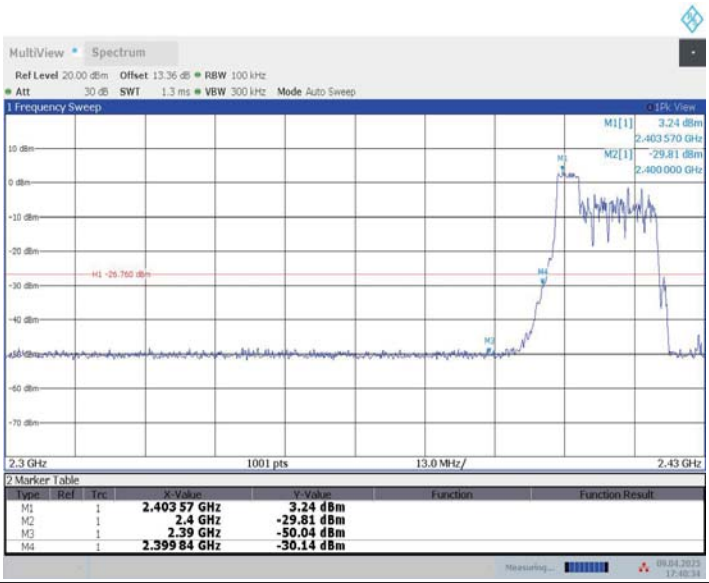
11AX20MIMO_Ant6_Low_2412_26Tone_RU0



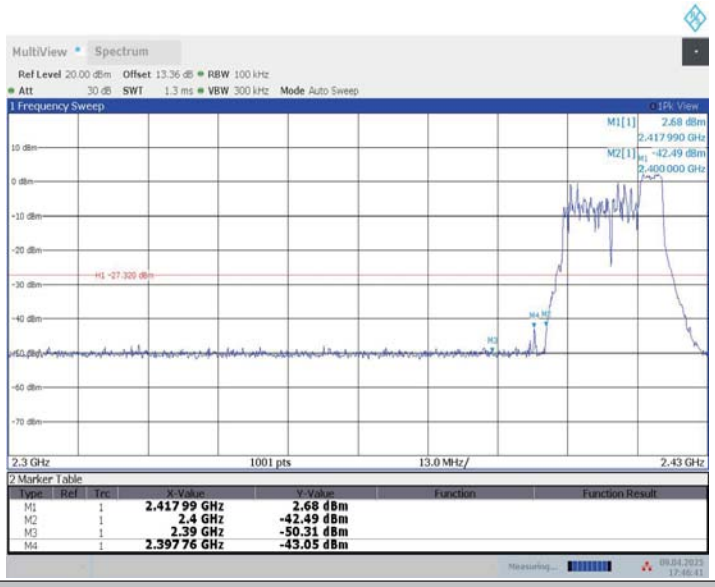

11AX20MIMO_Ant6_Low_2412_26Tone_RU8



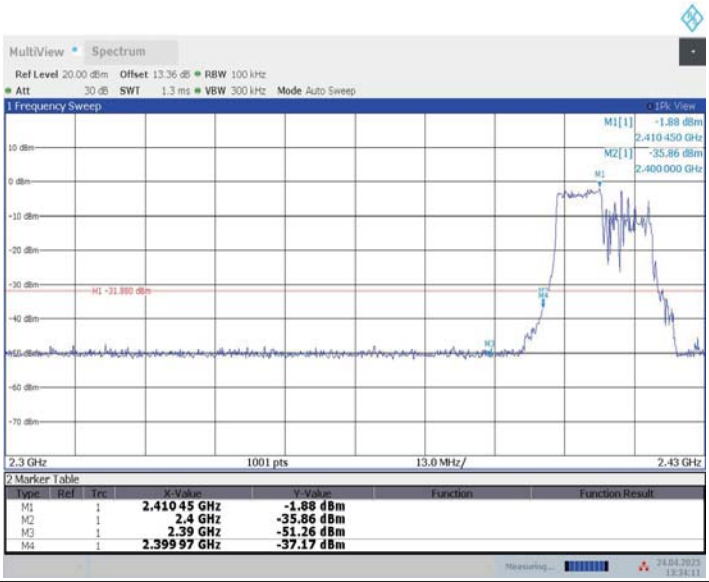

11AX20MIMO_Ant6_Low_2412_52Tone_RU37




11AX20MIMO_Ant6_Low_2412_52Tone_RU40

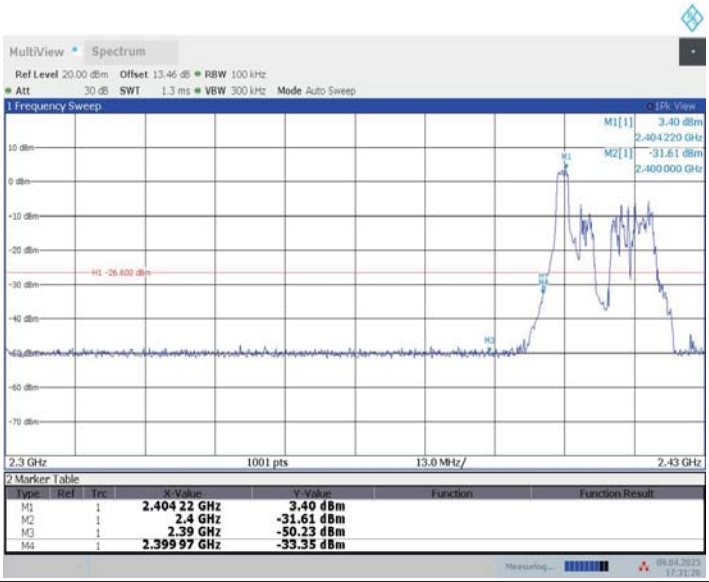



11AX20MIMO_Ant6_Low_2412_106Tone_RU53

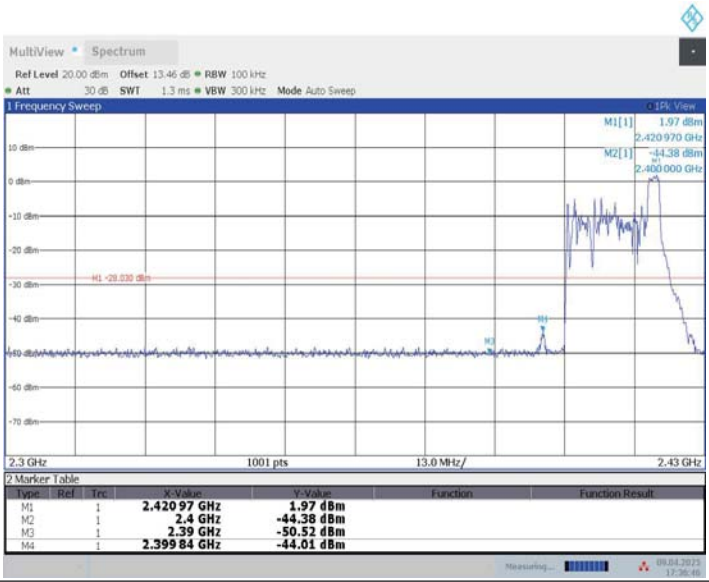



11AX20MIMO_Ant6_Low_2412_106Tone_RU54

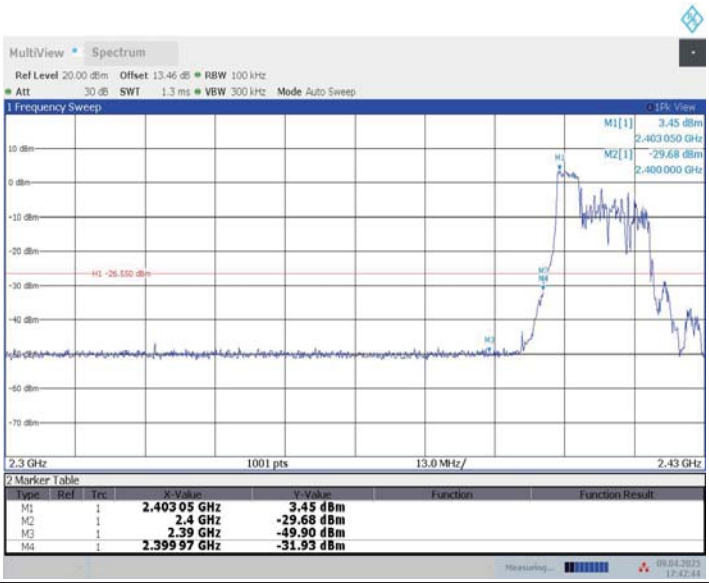

11AX20MIMO_Ant9_Low_2412_26Tone_RU0



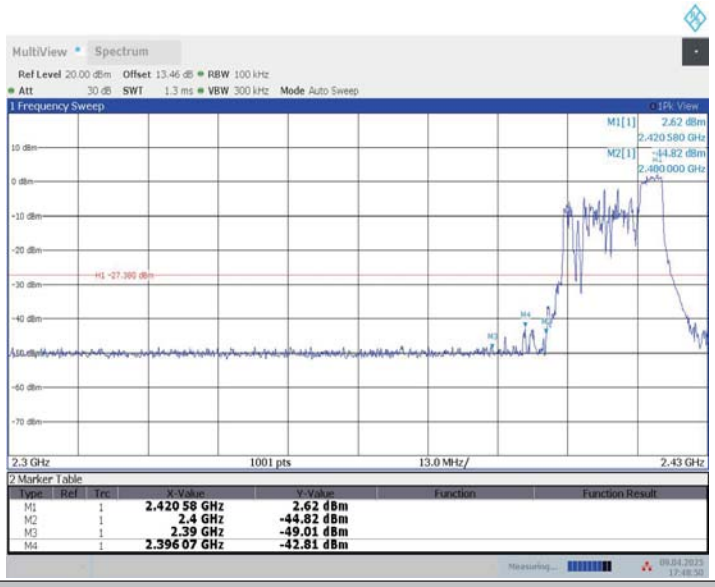

11AX20MIMO_Ant9_Low_2412_26Tone_RU8



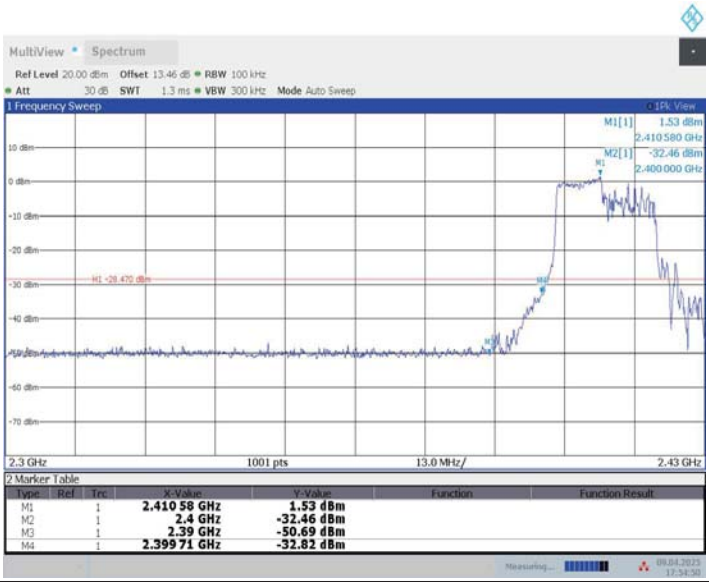

11AX20MIMO_Ant9_Low_2412_52Tone_RU37



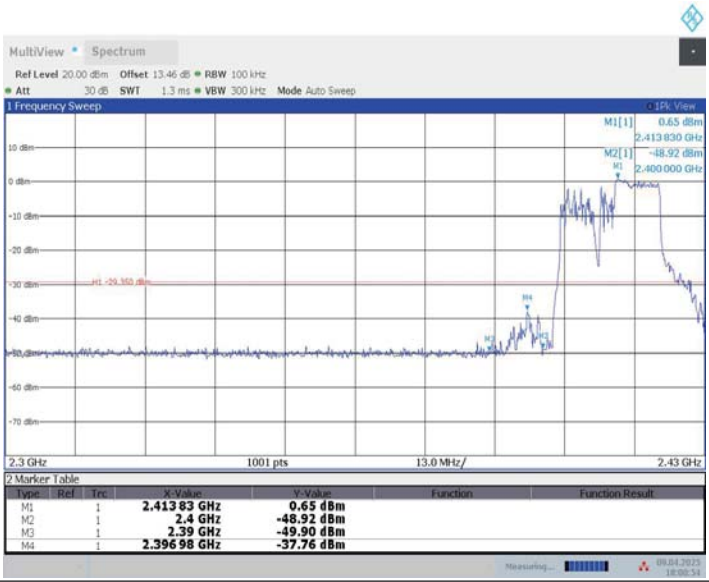

11AX20MIMO_Ant9_Low_2412_52Tone_RU40



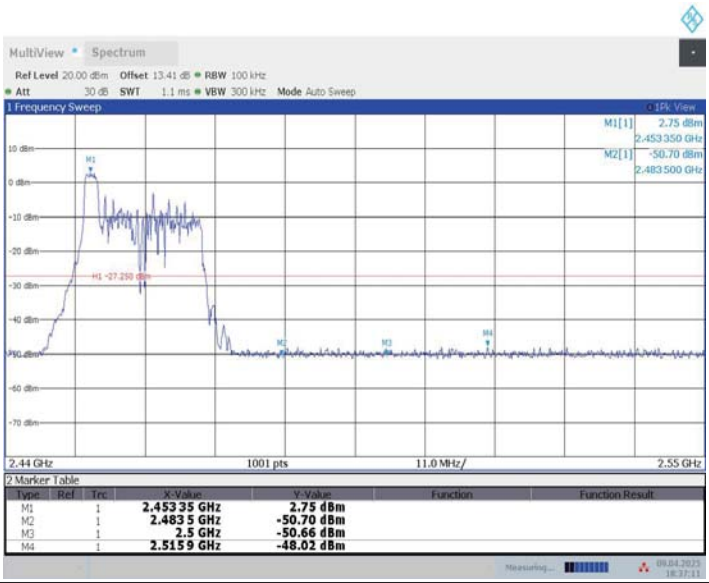

11AX20MIMO_Ant9_Low_2412_106Tone_RU53



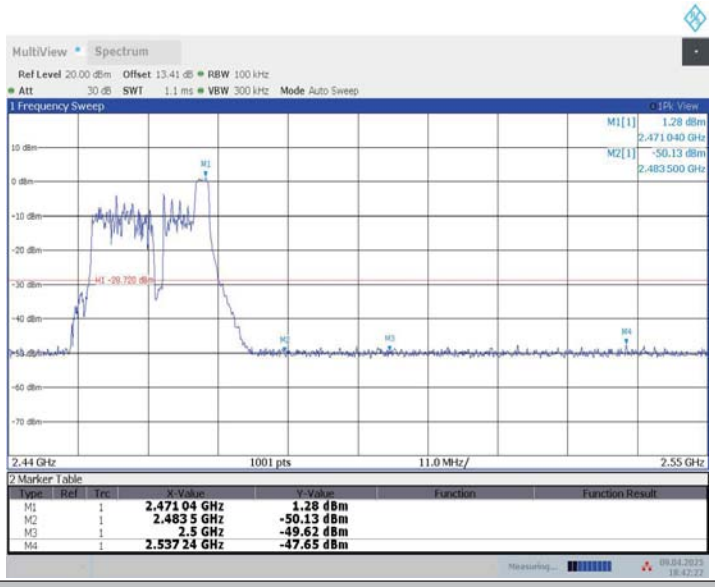

11AX20MIMO_Ant9_Low_2412_106Tone_RU54



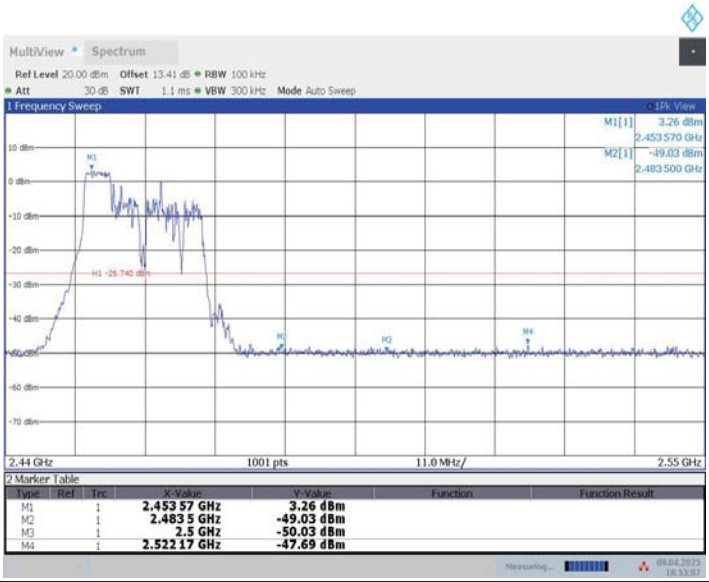

11AX20MIMO_Ant6_High_2462_26Tone_RU0



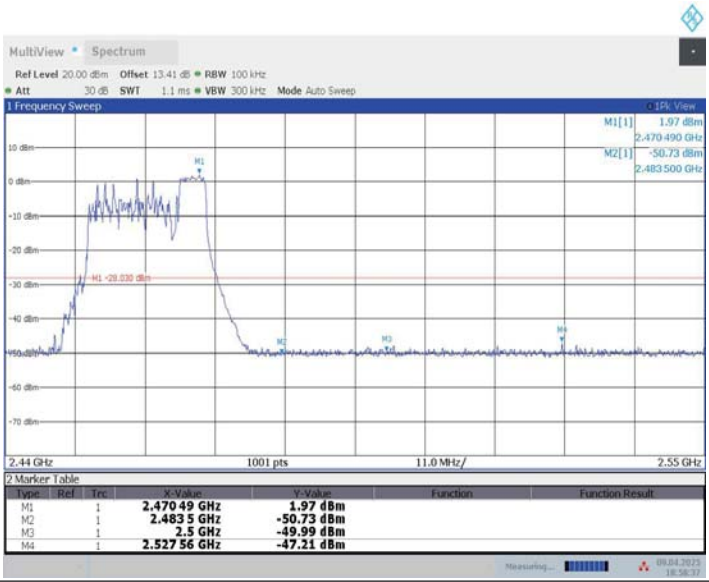

11AX20MIMO_Ant6_High_2462_26Tone_RU8



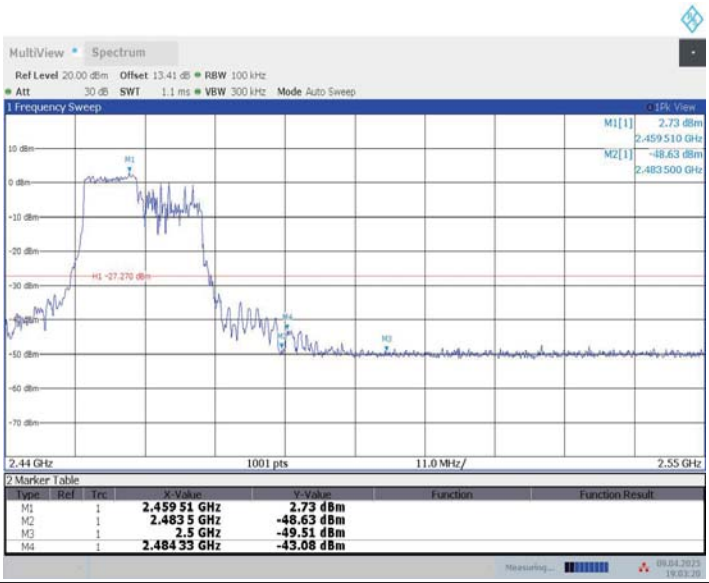

11AX20MIMO_Ant6_High_2462_52Tone_RU37



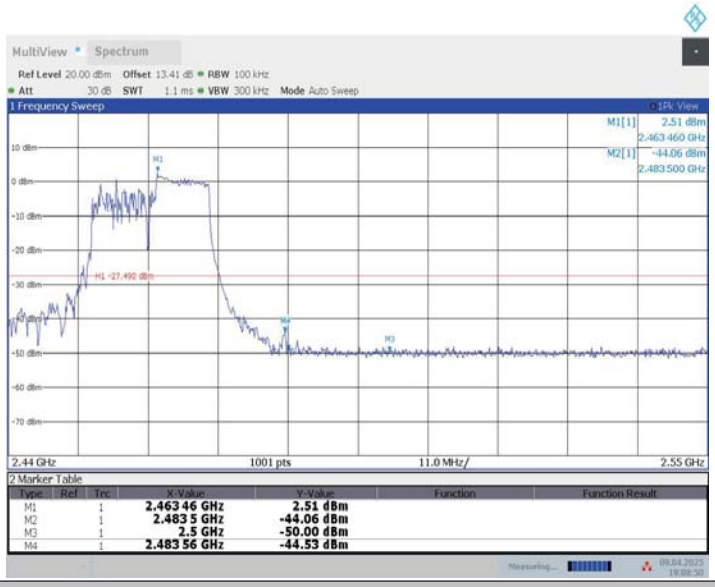

11AX20MIMO_Ant6_High_2462_52Tone_RU40



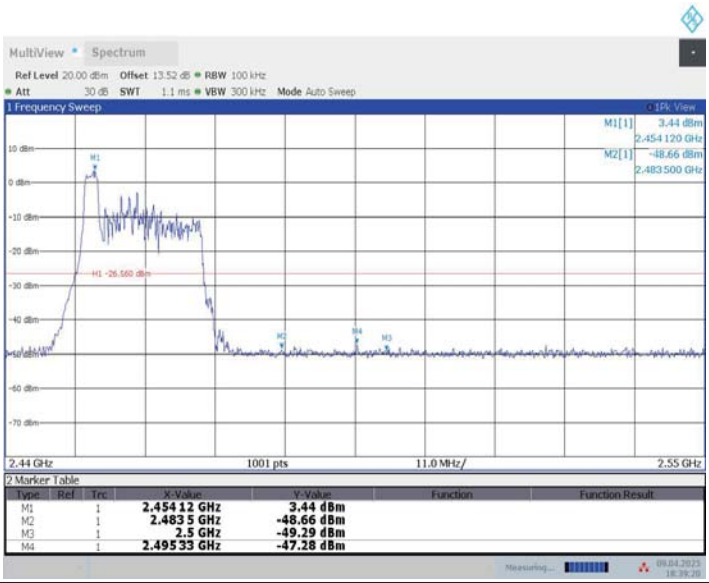

11AX20MIMO_Ant6_High_2462_106Tone_RU53



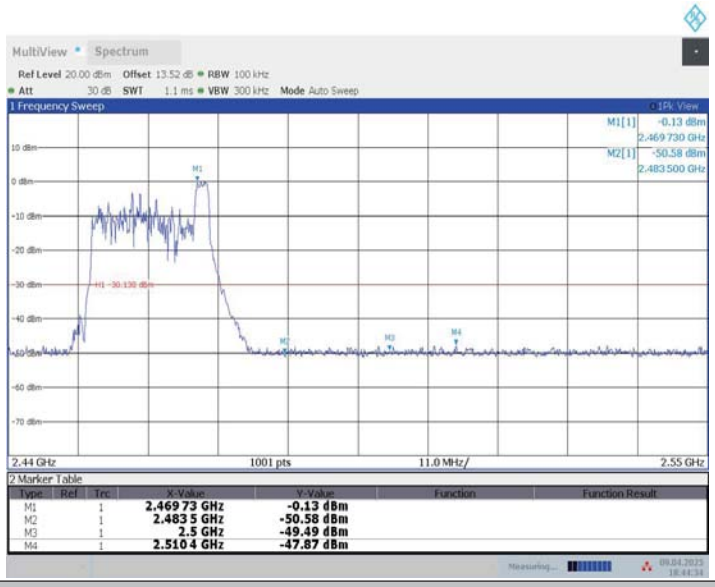

11AX20MIMO_Ant6_High_2462_106Tone_RU54




11AX20MIMO_Ant9_High_2462_26Tone_RU0

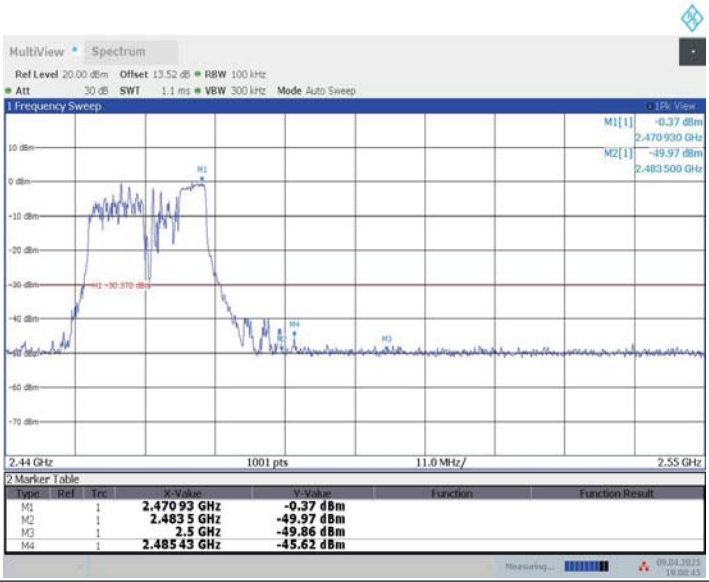



11AX20MIMO_Ant9_High_2462_26Tone_RU8




11AX20MIMO_Ant9_High_2462_52Tone_RU37


11AX20MIMO_Ant9_High_2462_52Tone_RU40

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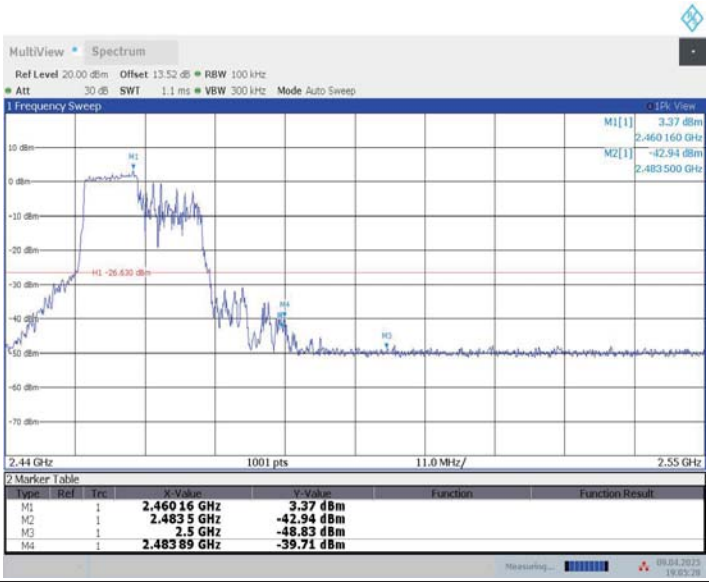


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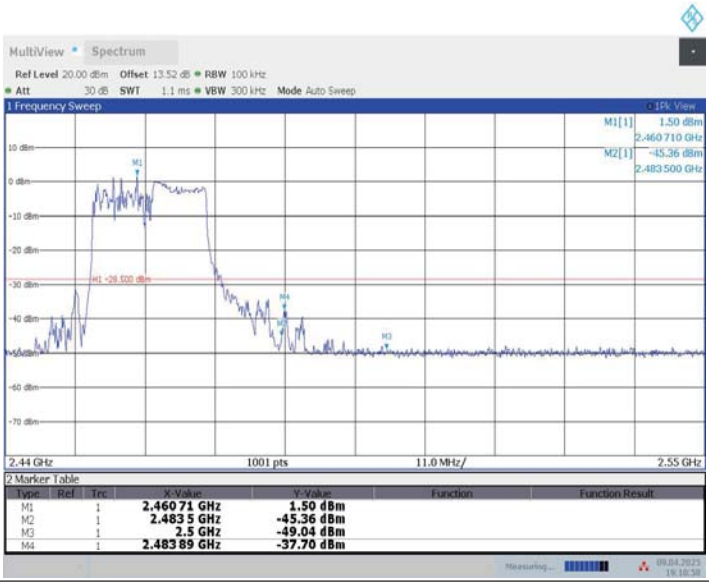


**Conclusion: Pass**

## A.6. Transmitter Spurious Emission

### A.6.1 Transmitter Spurious Emission – Conducted

**Method of Measurement: See ANSI C63.10-2013-clause 11.11**

Establish a reference level by using the following procedure:

a) Set instrument center frequency to DTS channel center frequency

b) Set the span to ≥ 1.5 times the DTS bandwidth

c) Set the RBW= 100 kHz

d) Set the VBW= 300 kHz

e) Detector = Peak

f) Sweep time = auto couple

g) Trace mode = max hold

h) Allow trace to fully stabilize

i) Use the peak marker function to determine the maximum PSD level

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

Establish an emission level by using the following procedure:

a) Set the center frequency and span to encompass frequency range to be measured.

b) Set the RBW = 100 kHz.

c) Set the VBW = 300 kHz.

d) Detector = peak.

e) Sweep time = auto couple.

f) Trace mode = max hold.

g) Allow trace to fully stabilize.

h) 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 specified in 11.11. Report the three highest emissions relative to the limit.

**Measurement Limit:**

| Standard | Limit |
|---|---|
| FCC 47 CFR Part 15.247 (d) | 20dB below peak output power in 100 kHz bandwidth |

**EUT ID: UT27a**

**Measurement Results:**

| Test Mode | Antenna | Frequency [MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B | Ant6 | 2412 | Reference | 10.73 | 10.73 | --- | PASS |
| | | | 30~1000 | 10.73 | -56.32 | ≤-9.27 | PASS |
| | | | 1000~26500 | 10.73 | -43.46 | ≤-9.27 | PASS |
| | Ant9 | 2412 | Reference | 10.11 | 10.11 | --- | PASS |
| | | | 30~1000 | 10.11 | -55.64 | ≤-9.89 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | 1000~26500 | 10.11 | -49.26 | ≤-9.89 | PASS |
| | Ant6 | 2437 | Reference | 10.49 | 10.49 | --- | PASS |
| | | | 30~1000 | 10.49 | -56.14 | ≤-9.51 | PASS |
| | | | 1000~26500 | 10.49 | -47.83 | ≤-9.51 | PASS |
| | Ant9 | 2437 | Reference | 10.30 | 10.30 | --- | PASS |
| | | | 30~1000 | 10.30 | -56.21 | ≤-9.7 | PASS |
| | | | 1000~26500 | 10.30 | -49.25 | ≤-9.7 | PASS |
| | Ant6 | 2462 | Reference | 11.12 | 11.12 | --- | PASS |
| | | | 30~1000 | 11.12 | -55.82 | ≤-8.88 | PASS |
| | | | 1000~26500 | 11.12 | -48.85 | ≤-8.88 | PASS |
| | Ant9 | 2462 | Reference | 10.21 | 10.21 | --- | PASS |
| | | | 30~1000 | 10.21 | -56.23 | ≤-9.79 | PASS |
| | | | 1000~26500 | 10.21 | -48.9 | ≤-9.79 | PASS |
| 11G | Ant6 | 2412 | Reference | 8.36 | 8.36 | --- | PASS |
| | | | 30~1000 | 8.36 | -56.7 | ≤-11.64 | PASS |
| | | | 1000~26500 | 8.36 | -49.54 | ≤-11.64 | PASS |
| | Ant9 | 2412 | Reference | 6.62 | 6.62 | --- | PASS |
| | | | 30~1000 | 6.62 | -56.24 | ≤-13.38 | PASS |
| | | | 1000~26500 | 6.62 | -48.8 | ≤-13.38 | PASS |
| | Ant6 | 2437 | Reference | 8.33 | 8.33 | --- | PASS |
| | | | 30~1000 | 8.33 | -55.61 | ≤-11.67 | PASS |
| | | | 1000~26500 | 8.33 | -49.32 | ≤-11.67 | PASS |
| | Ant9 | 2437 | Reference | 7.56 | 7.56 | --- | PASS |
| | | | 30~1000 | 7.56 | -55.55 | ≤-12.44 | PASS |
| | | | 1000~26500 | 7.56 | -49.92 | ≤-12.44 | PASS |
| | Ant6 | 2462 | Reference | 8.52 | 8.52 | --- | PASS |
| | | | 30~1000 | 8.52 | -56.33 | ≤-11.48 | PASS |
| | | | 1000~26500 | 8.52 | -49.82 | ≤-11.48 | PASS |
| | Ant9 | 2462 | Reference | 7.19 | 7.19 | --- | PASS |
| | | | 30~1000 | 7.19 | -55.59 | ≤-12.81 | PASS |
| | | | 1000~26500 | 7.19 | -49.33 | ≤-12.81 | PASS |
| 11N20MIMO | Ant6 | 2412 | Reference | 8.27 | 8.27 | --- | PASS |
| | | | 30~1000 | 8.27 | -56.41 | ≤-11.73 | PASS |
| | | | 1000~26500 | 8.27 | -48.49 | ≤-11.73 | PASS |
| | Ant9 | 2412 | Reference | 6.36 | 6.36 | --- | PASS |
| | | | 30~1000 | 6.36 | -56.18 | ≤-13.64 | PASS |
| | | | 1000~26500 | 6.36 | -44.5 | ≤-13.64 | PASS |
| | Ant6 | 2437 | Reference | 7.54 | 7.54 | --- | PASS |
| | | | 30~1000 | 7.54 | -56.15 | ≤-12.46 | PASS |
| | | | 1000~26500 | 7.54 | -49.63 | ≤-12.46 | PASS |
| | Ant9 | 2437 | Reference | 6.24 | 6.24 | --- | PASS |
| | | | 30~1000 | 6.24 | -56.14 | ≤-13.76 | PASS |