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**PART 22 MEASUREMENT REPORT**

**Applicant Name:**

Samsung Electronics Co., Ltd.  
129, Samsung-ro,  
Yeongtong-gu, Suwon-si  
Gyeonggi-do, 16677, Korea

**Date of Testing:**

11/12/2025 - 12/12/2025

**Test Report Issue Date:**

1/12/2026

**Test Site/Location:**

Element Lab., Columbia, MD, USA

Element Lab., Yongin-Si, Gyeonggi-do, South Korea

**Test Report Serial No.:**

1M2508270083-05-R1.A3L

**FCC ID:**

**A3LSMS947B**

**APPLICANT:**

**Samsung Electronics Co., Ltd.**

**Application Type:**

Certification

**Model:**

SM-S947B/DS

**Additional Model(s):**

SM-S947B

**EUT Type:**

Portable Handset

**FCC Classification:**

PCS Licensed Transmitter Held to Ear (PCE)

**FCC Rule Part:**

22

**Test Procedure(s):**

ANSI C63.26-2015, KDB 648474 D03 v01r04

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947. Test results reported herein relate only to the item(s) tested.

This revised Test Report (S/N: 1M2508270083-05-R1.A3L) supersedes and replaces the previously issued test report (S/N: 1M2508270083-05.A3L) on the same subject device for the same type of testing as indicated. Please discard or destroy previously issued test report(s) and dispose of it accordingly

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

**RJ Ortanez**  
**Executive Vice President**



|                                                   |                                               |                                      |                                          |
|---------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
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## TEST REPORT REVISION HISTORY

| Rev. No. | Description                             | Issue Date | Revised By    |
|----------|-----------------------------------------|------------|---------------|
| -        | Initial Release                         | 1/7/2026   | WKR0000023296 |
| 1        | Addressed comments made by TCB reviewer | 1/12/2026  | WKR0000023296 |
|          |                                         |            |               |

|                                                   |                                               |                                      |                                          |
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| Antenna-1     |                      |                 |                          |                |                  |                |                  |                     |
|---------------|----------------------|-----------------|--------------------------|----------------|------------------|----------------|------------------|---------------------|
| Mode          | Bandwidth            | Modulation      | Tx Frequency Range [MHz] | ERP            |                  | EIRP           |                  | Emission Designator |
|               |                      |                 |                          | Max. Power [W] | Max. Power [dBm] | Max. Power [W] | Max. Power [dBm] |                     |
| GSM/GPRS      | N/A                  | GMSK            | 824.2 - 848.8            | 0.267          | 24.27            | 0.438          | 26.42            | 246KGXW             |
| EDGE          | N/A                  | 8-PSK           | 824.2 - 848.8            | 0.067          | 18.28            | 0.110          | 20.43            | 244KG7W             |
| WCDMA         | N/A                  | Spread Spectrum | 826.4 - 846.6            | 0.046          | 16.59            | 0.075          | 18.74            | 4M20F9W             |
| LTE Band 26/5 | 15MHz (Band 26 only) | QPSK            | 831.5 - 841.5            | 0.068          | 18.29            | 0.111          | 20.44            | 13M5G7D             |
|               |                      | 16QAM           | 831.5 - 841.5            | 0.053          | 17.25            | 0.087          | 19.40            | 13M6W7D             |
|               | 10 MHz               | QPSK            | 829.0 - 844.0            | 0.073          | 18.62            | 0.119          | 20.77            | 9M08G7D             |
|               |                      | 16QAM           | 829.0 - 844.0            | 0.057          | 17.53            | 0.093          | 19.68            | 9M04W7D             |
|               | 5 MHz                | QPSK            | 826.5 - 846.5            | 0.076          | 18.78            | 0.124          | 20.93            | 4M57G7D             |
|               |                      | 16QAM           | 826.5 - 846.5            | 0.057          | 17.56            | 0.093          | 19.71            | 4M54W7D             |
|               | 3 MHz                | QPSK            | 825.5 - 847.5            | 0.071          | 18.53            | 0.117          | 20.68            | 2M71G7D             |
|               |                      | 16QAM           | 825.5 - 847.5            | 0.055          | 17.43            | 0.091          | 19.58            | 2M73W7D             |
|               | 1.4 MHz              | QPSK            | 824.7 - 848.3            | 0.073          | 18.63            | 0.120          | 20.78            | 1M10G7D             |
|               |                      | 16QAM           | 824.7 - 848.3            | 0.056          | 17.52            | 0.093          | 19.67            | 1M11W7D             |
|               | 20 MHz               | $\pi/2$ BPSK    | 834.0 - 839.0            | 0.063          | 17.99            | 0.103          | 20.14            | 18M0G7D             |
|               |                      | QPSK            | 834.0 - 839.0            | 0.064          | 18.04            | 0.105          | 20.19            | 19M1G7D             |
|               |                      | 16QAM           | 834.0 - 839.0            | 0.051          | 17.06            | 0.083          | 19.21            | 19M1W7D             |
|               | 15 MHz               | $\pi/2$ BPSK    | 831.5 - 841.5            | 0.061          | 17.87            | 0.100          | 20.02            | 13M5G7D             |
|               |                      | QPSK            | 831.5 - 841.5            | 0.060          | 17.81            | 0.099          | 19.96            | 14M2G7D             |
|               |                      | 16QAM           | 831.5 - 841.5            | 0.047          | 16.69            | 0.077          | 18.84            | 14M2W7D             |
|               | 10 MHz               | $\pi/2$ BPSK    | 829.0 - 844.0            | 0.057          | 17.54            | 0.093          | 19.69            | 9M06G7D             |
|               |                      | QPSK            | 829.0 - 844.0            | 0.058          | 17.63            | 0.095          | 19.78            | 9M38G7D             |
|               |                      | 16QAM           | 829.0 - 844.0            | 0.053          | 17.24            | 0.087          | 19.39            | 9M37W7D             |
|               | 5 MHz                | $\pi/2$ BPSK    | 826.5 - 846.5            | 0.060          | 17.78            | 0.098          | 19.93            | 4M55G7D             |
|               |                      | QPSK            | 826.5 - 846.5            | 0.061          | 17.87            | 0.100          | 20.02            | 4M59G7D             |
|               |                      | 16QAM           | 826.5 - 846.5            | 0.052          | 17.14            | 0.085          | 19.29            | 4M56W7D             |

|                                            |                                        |                               |                                   |
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| Antenna-2     |                      |                 |                          |                |                  |                |                  |                     |
|---------------|----------------------|-----------------|--------------------------|----------------|------------------|----------------|------------------|---------------------|
| Mode          | Bandwidth            | Modulation      | Tx Frequency Range [MHz] | ERP            |                  | EIRP           |                  | Emission Designator |
|               |                      |                 |                          | Max. Power [W] | Max. Power [dBm] | Max. Power [W] | Max. Power [dBm] |                     |
| GSM/GPRS      | N/A                  | GMSK            | 824.2 - 848.8            | 0.906          | 29.57            | 1.487          | 31.72            | 243KGXW             |
| EDGE          | N/A                  | 8-PSK           | 824.2 - 848.8            | 0.228          | 23.57            | 0.374          | 25.72            | 245KG7W             |
| WCDMA         | N/A                  | Spread Spectrum | 826.4 - 846.6            | 0.114          | 20.56            | 0.186          | 22.71            | 4M21F9W             |
| LTE Band 26/5 | 15MHz (Band 26 only) | QPSK            | 831.5 - 841.5            | 0.092          | 19.62            | 0.150          | 21.77            | 13M6G7D             |
|               |                      | 16QAM           | 831.5 - 841.5            | 0.073          | 18.65            | 0.120          | 20.80            | 13M6W7D             |
|               | 10 MHz               | QPSK            | 829.0 - 844.0            | 0.090          | 19.52            | 0.147          | 21.67            | 9M08G7D             |
|               |                      | 16QAM           | 829.0 - 844.0            | 0.070          | 18.48            | 0.115          | 20.63            | 9M04W7D             |
|               | 5 MHz                | QPSK            | 826.5 - 846.5            | 0.090          | 19.55            | 0.148          | 21.70            | 4M56G7D             |
|               |                      | 16QAM           | 826.5 - 846.5            | 0.071          | 18.49            | 0.116          | 20.64            | 4M54W7D             |
|               | 3 MHz                | QPSK            | 825.5 - 847.5            | 0.081          | 19.08            | 0.133          | 21.23            | 2M72G7D             |
|               |                      | 16QAM           | 825.5 - 847.5            | 0.070          | 18.46            | 0.115          | 20.61            | 2M73W7D             |
|               | 1.4 MHz              | QPSK            | 824.7 - 848.3            | 0.089          | 19.50            | 0.146          | 21.65            | 1M10G7D             |
|               |                      | 16QAM           | 824.7 - 848.3            | 0.072          | 18.57            | 0.118          | 20.72            | 1M11W7D             |
|               | 20 MHz               | TTI/2 BPSK      | 834.0 - 839.0            | 0.100          | 19.98            | 0.163          | 22.13            | 18M0G7D             |
|               |                      | QPSK            | 834.0 - 839.0            | 0.099          | 19.96            | 0.163          | 22.11            | 18M9G7D             |
|               |                      | 16QAM           | 834.0 - 839.0            | 0.079          | 18.95            | 0.129          | 21.10            | 19M1W7D             |
|               | 15 MHz               | TTI/2 BPSK      | 831.5 - 841.5            | 0.104          | 20.16            | 0.170          | 22.31            | 13M5G7D             |
|               |                      | QPSK            | 831.5 - 841.5            | 0.100          | 19.99            | 0.164          | 22.14            | 14M2G7D             |
|               |                      | 16QAM           | 831.5 - 841.5            | 0.083          | 19.21            | 0.137          | 21.36            | 14M2W7D             |
|               | 10 MHz               | TTI/2 BPSK      | 829.0 - 844.0            | 0.103          | 20.11            | 0.168          | 22.26            | 9M02G7D             |
|               |                      | QPSK            | 829.0 - 844.0            | 0.101          | 20.05            | 0.166          | 22.20            | 9M02G7D             |
|               |                      | 16QAM           | 829.0 - 844.0            | 0.083          | 19.19            | 0.136          | 21.34            | 9M36W7D             |
|               | 5 MHz                | TTI/2 BPSK      | 826.5 - 846.5            | 0.103          | 20.15            | 0.170          | 22.30            | 4M55G7D             |
|               |                      | QPSK            | 826.5 - 846.5            | 0.102          | 20.07            | 0.167          | 22.22            | 4M61G7D             |
|               |                      | 16QAM           | 826.5 - 846.5            | 0.086          | 19.35            | 0.141          | 21.50            | 4M55W7D             |

|                                            |                                        |                               |                                   |
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## 1.0 INTRODUCTION

### 1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

### 1.2 Element Test Location

Measurements were conducted at the Element laboratory(ies) indicated in Section 1.3 below. All measurement facilities are compliant with the test site requirements specified in ANSI C63.4:2014 and KDB 414788 D01 v01r01.

### 1.3 Test Facility / Accreditations

**Measurements were performed at Element lab located in Columbia, MD 21046, U.S.A. ("MD")**

- Element Washington DC LLC is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.01 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- Element Washington DC LLC facility is a registered test laboratory with the site description on file with ISED (Wireless Test Lab number 2451B) and FCC (Designation Number US1113).
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

**Measurements were performed at Element Materials Technology Suwon, Ltd. located in Yongin-si, Gyeonggi-do, 16954, South Korea. ("KR")**

- Element Materials Technology Suwon, Ltd. is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation(A2LA) with Certificate number 2041.04 for Specific Absorption Rate (SAR), and Electromagnetic Compatibility (EMC) & Telecommunications testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Materials Technology Suwon, Ltd. facility is accredited, designated, and recognized in accordance with the provision of Radio Wave Act and International Standard ISO/IEC 17025:2017 under the National Radio Research Agency.
  - Designation Number / CABID: KR0169
  - Test Firm Registration Number of FCC: 417945
  - Test Firm Registration Number of ISED: 26168

|                                            |                                        |                               |                                   |
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## 2.0 PRODUCT INFORMATION

### 2.1 Equipment Description

The Equipment Under Test (EUT) is the **Samsung Portable Handset FCC ID: A3LSMS947B**. The test data contained in this report pertains only to the emissions due to the EUT's licensed transmitters that operate under the provisions of Part 22 and RSS-132.

**Test Device Serial No.:** 0288M, 0289M, 2965M, 1315M, 2950M, 3277M, 0268M, 0731M, 0120M

### 2.2 Device Capabilities

This device contains the following capabilities:

850/1900 GSM/SPRS/EDGE, 850/1700/1900 WCDMA/HSPA, Multi-band LTE, Multi-band 5G NR (FR1), 802.11b/g/n/ac/ax/be WLAN, 802.11a/n/ac/ax/be UNII (5GHz and 6GHz), Bluetooth (1x, EDR, LE), NFC, Wireless Power Transfer, UWB

### 2.3 Test Configuration

The EUT was tested per the guidance of ANSI C63.26:2015. See Section 7.0 of this test report for a description of the radiated and antenna port conducted emissions tests.

This device supports wireless charging capability and, thus, is subject to the test requirements of KDB 648474 D03 v01r04. Additional radiated spurious emission measurements were performed with the EUT lying flat on an authorized wireless charging pad (WCP) Model: EP-2400 while operating under normal conditions in a simulated call or data transmission configuration. The worst case radiated emissions data is shown in this report.

| Band          | Ant1  | Ant2  |
|---------------|-------|-------|
| GSM/GPRS      | Ant A | Ant E |
| WCDMA         | Ant A | Ant E |
| LTE Band 26/5 | Ant A | Ant E |
| NR Band n26/5 | Ant A | Ant E |

### 2.4 Duty Cycle Information

For all 5G NR and LTE operations in FDD mode, the EUT duty cycle was set to 100%.

For LTE TDD operation, a call box was used to force maximum transmission for each band. For LTE TDD bands, the maximum duty cycle is 63.3% for PC3 and 43.3% for PC2.

### 2.5 Software and Firmware

Testing was performed on device(s) using software/firmware version S947BXXU0AYKQ installed on the EUT.

### 2.6 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and no modifications were made during testing.

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
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## 3.0 DESCRIPTION OF TESTS

### 3.1 Evaluation Procedure

The measurement procedures described in the “American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services” (ANSI C63.26:2015) were used in the measurement of the EUT.

**Deviation from Measurement Procedure.....None**

### 3.2 Radiated Power and Radiated Spurious Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4:2014. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. For measurements below 1GHz, the absorbers are removed. A raised turntable is used for radiated measurement. The turn table is a continuously rotatable, remote-controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm tall test table made of Styrodur is placed on top of the turn table. A Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

The equipment under test was transmitting while connected to its integral antenna and is placed on a turntable 3 meters from the receive antenna. The receive antenna height is adjusted between 1 and 4 meter height, the turntable is rotated through 360 degrees, and the EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer.

For radiated power measurements, substitution method is used per the guidance of ANSI C63.26:2015. For emissions below 1GHz, a half-wave dipole is substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive spectrum analyzer level previously recorded from the spurious emission from the EUT. The power of the emission is calculated using the following formula:

$$P_d \text{ [dBm]} = P_g \text{ [dBm]} - \text{cable loss [dB]} + \text{antenna gain [dBd/dBi]};$$

where  $P_d$  is the dipole equivalent power,  $P_g$  is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to  $P_g \text{ [dBm]} - \text{cable loss [dB]}$ .

For radiated spurious emissions measurements, the field strength conversion method is used per the formulas in Section 5.2.7 of ANSI C63.26:2015. Field Strength (EIRP) is calculated using the following formulas:

$$E_{\text{[dB}\mu\text{V/m]}} = \text{Measured amplitude level [dBm]} + 107 + \text{Cable Loss [dB]} + \text{Antenna Factor [dB/m]}$$

And

$$\text{EIRP}_{\text{[dBm]}} = E_{\text{[dB}\mu\text{V/m]}} + 20\log D - 104.8; \text{ where } D \text{ is the measurement distance in meters.}$$

All radiated measurements are performed in a chamber that meets the site requirements per ANSI C63.4:2014. Additionally, radiated emissions below 30MHz are also validated on an Open Area Test Site to assert correlation with the chamber measurements per the requirements of KDB 414788 D01 v01r01.

Radiated power and radiated spurious emission levels are investigated with the receive antenna horizontally and vertically polarized per ANSI C63.26:2015.

|                                            |                                        |                               |                                   |
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## 4.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4:2014. All measurement uncertainty values are shown with a coverage factor of  $k = 2$  to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the  $U_{\text{CISPR}}$  measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

| Contribution                     | Expanded Uncertainty ( $\pm$ dB) |
|----------------------------------|----------------------------------|
| Conducted Bench Top Measurements | 1.13                             |
| Radiated Disturbance (<1GHz)     | 4.98                             |
| Radiated Disturbance (>1GHz)     | 5.07                             |
| Radiated Disturbance (>18GHz)    | 5.09                             |

**Table 4-1. Measurement Uncertainty Budget – MD**

| Contribution                     | Expanded Uncertainty ( $\pm$ dB) |
|----------------------------------|----------------------------------|
| Conducted Bench Top Measurements | 1.95                             |
| Radiated Disturbance (<1GHz)     | 4.10                             |
| Radiated Disturbance (>1GHz)     | 4.82                             |
| Radiated Disturbance (>18GHz)    | 4.96                             |

**Table 4-2. Measurement Uncertainty Budget – KR**

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
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## 5.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance to the requirements of ANSI C63.5-2017.

| Manufacturer          | Model   | Description                         | Cal Date   | Cal Interval | Cal Due    | Serial Number |
|-----------------------|---------|-------------------------------------|------------|--------------|------------|---------------|
| -                     | AP1-002 | EMC Cable and Switch System         | 2/25/2025  | Annual       | 2/25/2026  | AP1-002       |
| -                     | AP2-001 | EMC Cable and Switch System         | 2/25/2025  | Annual       | 2/25/2026  | AP2-001       |
| -                     | AP2-002 | EMC Cable and Switch System         | 2/25/2025  | Annual       | 2/25/2026  | AP2-002       |
| -                     | ETS-001 | EMC Cable and Switch System         | 12/11/2024 | Annual       | 2/25/2026  | ETS-001       |
| -                     | ETS-002 | EMC Cable and Switch System         | 12/11/2024 | Annual       | 2/25/2026  | ETS-002       |
| -                     | LTx1    | Licensed Transmitter Cable Set      | 2/25/2025  | Annual       | 2/25/2026  | LTx1          |
| -                     | LTx6-40 | Licensed Transmitter Cable Set      | 2/25/2025  | Annual       | 2/25/2026  | LTx6-40       |
| Agilent               | N9038A  | MXE EMI Receiver                    | 11/10/2025 | Annual       | 11/10/2026 | MY51210133    |
| Anritsu               | MT8000A | Radio Communication Test Station    | 6/4/2025   | Annual       | 6/4/2026   | 6261914237    |
| Anritsu               | MT8000A | Radio Communication Test Station    | 3/11/2025  | Annual       | 3/11/2026  | 6272337439    |
| Anritsu               | MT8821C | Radio Communication Analyze         | 9/15/2025  | Annual       | 9/15/2026  | 6201381794    |
| EMCO                  | 3115    | Horn Antenna (1-18GHz)              | 9/6/2024   | Biennial     | 9/6/2026   | 9704-5182     |
| Espec                 | ESX-2CA | Environmental Chamber               | 11/20/2024 | Biennial     | 11/20/2026 | 17620         |
| ETS Lindgren          | 3117    | 1-18 GHz DRG Horn (Medium)          | 6/4/2025   | Biennial     | 6/4/2027   | 125518        |
| ETS-Lindgren          | 3116C   | DRG Horn Antenna                    | 4/22/2025  | Biennial     | 4/22/2027  | 218893        |
| Keysight Technologies | N9030A  | 3Hz-44GHz PXA Signal Analyzer       | 9/15/2025  | Annual       | 9/15/2026  | MY49430494    |
| Keysight Technologies | N9020A  | MXA Signal Analyzer                 | 5/7/2025   | Annual       | 5/7/2026   | US46470561    |
| Keysight Technologies | N9030A  | PXA Signal Analyzer (44GHz)         | 6/6/2025   | Annual       | 6/6/2026   | MY52350166    |
| Keysight Technologies | N9020A  | MXA Signal Analyzer                 | 6/4/2025   | Annual       | 6/4/2026   | MY54500644    |
| Rohde & Schwarz       | FSW67   | Signal / Spectrum Analyzer          | 5/12/2025  | Annual       | 5/12/2026  | 103200        |
| Rohde & Schwarz       | ESU26   | EMI Test Receiver (26.5GHz)         | 10/16/2025 | Annual       | 12/19/2026 | 100342        |
| Rohde & Schwarz       | ESW44   | EMI Test Receiver 2Hz to 44 GHz     | 3/25/2025  | Annual       | 3/25/2026  | 101716        |
| Rohde & Schwarz       | CMW500  | Wideband Radio Communication Tester | 6/18/2025  | Annual       | 6/18/2026  | 140148        |
| Sunol                 | JB5     | Bi-Log Antenna (30M - 5GHz)         | 9/11/2024  | Biennial     | 9/11/2026  | A051107       |
| Sunol Sciences        | DRH-118 | Horn (Small)                        | 2/13/2024  | Biennial     | 2/13/2026  | A042511       |

**Table 5-1. Test Equipment Calibration Table – MD**

|                                                   |                                               |                                      |                                          |
|---------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMS947B                         | <b>PART 22 MEASUREMENT REPORT</b>             |                                      | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2508270083-05-R1.A3L | <b>Test Dates:</b><br>11/12/2025 - 12/12/2025 | <b>EUT Type:</b><br>Portable Handset | Page 10 of 162                           |

| Manufacturer          | Model        | Description                         | Cal Date   | Cal Interval | Cal Due    | Serial Number |
|-----------------------|--------------|-------------------------------------|------------|--------------|------------|---------------|
| Agilent               | N9030A       | PXA Signal Analyzer                 | 2025-05-23 | Annual       | 2026-05-22 | MY49432391    |
| Anritsu               | S820E        | Cable and Antenna Analyzer          | 2025-06-13 | Annual       | 2026-06-12 | 1839097       |
| Rohde & Schwarz       | NRP-Z81      | POWER SENSOR                        | 2025-05-23 | Annual       | 2026-05-22 | 101499        |
| Anritsu               | MT8000A      | Radio Communicatino Test Station    | 2025-10-17 | Annual       | 2026-10-16 | 6272337405    |
| Com-Power             | AL-130       | 9kHz - 30MHz Loop Antenna           | 2024-10-10 | Biennial     | 2026-10-09 | 10160045      |
| Espec                 | SH-242       | Environmental Chamber               | 2025-09-17 | Annual       | 2026-09-16 | 93011064      |
| Fairview Microwave    | FM2CP1122-10 | 2.92mm Directional Coupler          | 2025-07-17 | Annual       | 2026-07-16 | 1946          |
| Keysight Technologies | N9030B       | PXA Signal Analyzer                 | 2025-07-07 | Annual       | 2026-07-06 | MY57143278    |
| Mini-Circuits         | BW-N10W5+    | Attenuator                          | 2025-07-03 | Annual       | 2026-07-02 | TEMPNO.01-151 |
| Mini-Circuits         | BW-N10W5+    | Attenuator                          | 2025-07-17 | Annual       | 2026-07-16 | TEMPNO.01-150 |
| NARDA                 | 180-442A-KF  | Horn Antenna (small)                | 2025-01-13 | Annual       | 2026-01-12 | 180-442A-KF   |
| Rohde & Schwarz       | SMF100A      | Signal Generator                    | 2025-07-03 | Annual       | 2026-07-02 | 104154        |
| Rohde & Schwarz       | CMW500       | Wideband Radio Communicatino Tester | 2025-01-06 | Annual       | 2026-01-05 | 171075        |
| Rohde & Schwarz       | FSW          | Signal and Spectrum Analyzer        | 2025-09-15 | Annual       | 2026-09-14 | 101955        |
| Rohde & Schwarz       | SFUNIT-Rx    | Shielded Filter Unit                | 2025-01-06 | Annual       | 2026-01-05 | 103295        |
| Schwarzbeck           | VULB9162     | Broadband TRILOG Antenna            | 2025-06-05 | Biennial     | 2027-06-04 | 9162-217      |
| Sunol                 | DRH-118      | Horn Antenna                        | 2025-06-04 | Annual       | 2026-06-03 | A102416-1     |

**Table 5-2. Test Equipment Calibration Table – KR**

**Notes:**

1. For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.
2. Equipment with a calibration date of "N/A" shown in this list was not used to make direct calibrated measurements.

| Component                                   | Serial Number |
|---------------------------------------------|---------------|
| Keysight Directional Coupler, Model: 87300C | 55300398      |
| Mini Circuits 6dB Attenuator, BW S6 2W263+  | 2105          |
| MegaPhase Cable, Model: TM26-S1S1-30        | 20233001 004  |

**Table 5-3. LTx1 Licensed Transmitter Cable Set**

| Component                                            | Serial Number |
|------------------------------------------------------|---------------|
| Fairview Microwave Directional Coupler, FM2CP1122-10 | 2122          |
| MCL 6dB Attenuator, Model: BW-K6 2W44+               | 2013          |
| MegaPhase Cable, Model: TM40-K1K1-30                 | 20233002 003  |

**Table 5-4. LTx6-40 Conducted Cable Set Components**

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 11 of 162                    |

| Component                        | Serial Number |
|----------------------------------|---------------|
| Sucoflex 106A Cable              | 501992        |
| MegaPhase Cable N29-N1N1-324     | 20335606 001  |
| Rohde & Schwarz SF Unit          | 102133        |
| MiniCircuits Cable CBL-2FT-SMSM+ | 77745         |
| MegaPhase Cable 10511-1          | 15034701 001  |
| MiniCircuits Switch RC 2SPDT-A18 | 11703270 041  |
| Sucoflex 104 Cable               | 320259/4      |
| Sucoflex 104 Cable               | 321999/4      |
| Sucoflex 104 Cable               | 321995/4      |

**Table 5-5. AP1-002 EMC Cable and Switch Components**

| Component                                                 | Serial Number |
|-----------------------------------------------------------|---------------|
| Flex Cable                                                | P2A-0001      |
| Micro-Coax Utilflex Cable UFB311A-Q-3346-50U50U MFR 64639 | 231978-003    |
| Chamber Passthrough                                       | CP4/X12       |
| Micro-Coax Utilflex Cable UFB311A-1-0629-50U50U MFR 64639 | 231986-003    |
| Micro-Coax Utilflex Cable UFB142A-0-0629-5GU200 MFR 6463  | 232069-001    |
| Rohde & Schwarz TS-PR8 Pre-Amplifier                      | 102335        |
| Rohde & Schwarz OSP130 Open Switch and Control Unit       | 101181        |

**Table 5-6. AP2-001 EMC Cable and Switch Components**

| Component                                                 | Serial Number |
|-----------------------------------------------------------|---------------|
| MiniCircuits Cable CBL-0.5M-SMNM+                         | 47261         |
| Micro-Coax Utilflex Cable UFB311A-Q-3346-50U50U MFR 64639 | 231978-001    |
| Micro-Coax Utilflex Cable UFB311A-1-0629-50U50U MFR 64639 | 231986-002    |
| MegaPhase (CAGE 1GVT4) Cable NC29-N1N1-324                | 19046401 001  |
| Megaphase (CAGE 1GVT4) Flex Cable 10511-1                 | 15044701-006  |
| Micro-Coax Utilflex Cable UFB311A-Q-3346-50U50U MFR 64639 | 231978-002    |
| Micro-Coax Utilflex Cable UFB311A-1-0629-50U50U MFR 64639 | 231986-004    |
| Micro-Coax Utilflex Cable UFB142A-0-0629-5GU200 MFR 64639 | 232069-001    |
| Rohde & Schwarz SF Unit                                   | 102138        |
| Rohde & Schwarz OSP130 Open Switch and Control Unit       | 101181        |
| Micro-Coax Utilflex Cable UFB311A-Q-3346-50U50U MFR 64639 | 231978-003    |
| Micro-Coax Utilflex Cable UFB311A-1-0629-50U50U MFR 64639 | 231986-003    |
| Rohde & Schwarz TS-PR8 Pre-Amplifier                      | 102335        |

**Table 5-7. AP2-002 EMC Cable and Switch Components**

| Component                                 | Serial Number |
|-------------------------------------------|---------------|
| Pasternack Cable RG214/U                  | 111815        |
| MegaPhase (CAGE 1GVT4) Cable GR18-N5N5-24 | 14042714 001  |

**Table 5-8. ETS-001 EMC Cable and Switch Components**

|                                                   |                                               |                                      |                                          |
|---------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMS947B                         | <b>PART 22 MEASUREMENT REPORT</b>             |                                      | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2508270083-05-R1.A3L | <b>Test Dates:</b><br>11/12/2025 - 12/12/2025 | <b>EUT Type:</b><br>Portable Handset | Page 12 of 162                           |

| Component                                  | Serial Number |
|--------------------------------------------|---------------|
| MegaPhase (CAGE 1GVT4) Cable GR18-N5N5-24  | 14042714 001  |
| MegaPhase (CAGE 1GVT4) Cable NC29-N1N1-324 | 20502201 001  |
| Rohde & Schwarz SF Unit                    | 102134        |
| Minicircuits Cable CBL=0.5M-NMNM+          | 15440         |

**Table 5-9. ETS-002 EMC Cable and Switch Components**

|                                                   |                                               |                                      |                                          |
|---------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMS947B                         | <b>PART 22 MEASUREMENT REPORT</b>             |                                      | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2508270083-05-R1.A3L | <b>Test Dates:</b><br>11/12/2025 - 12/12/2025 | <b>EUT Type:</b><br>Portable Handset | Page 13 of 162                           |

## 6.0 SAMPLE EMISSION DESIGNATORS

### GSM Emission Designator

#### **Emission Designator = 250KGXW**

GSM BW = 250 kHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

### EDGE Emission Designator

#### **Emission Designator = 250KG7W**

EDGE BW = 250 kHz

G = Phase Modulation

7 = Quantized/Digital Info

W = Combination (Audio/Data)

### WCDMA Emission Designator

#### **Emission Designator = 4M16F9W**

WCDMA BW = 4.16 MHz

F = Frequency Modulation

9 = Composite Digital Info

W = Combination (Audio/Data)

### QPSK Modulation

#### **Emission Designator = 8M62G7D**

LTE BW = 8.62 MHz

G = Phase Modulation

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

### QAM Modulation

#### **Emission Designator = 8M45W7D**

LTE BW = 8.45 MHz

W = Amplitude/Angle Modulated

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 14 of 162                    |

## 7.0 TEST RESULTS

### 7.1 Summary

Company Name: Samsung Electronics Co., Ltd.  
 FCC ID: A3LSMS947B  
 FCC Classification: PCS Licensed Transmitter Held to Ear (PCE)  
 Mode(s): GSM/GPRS/WCDMA/NR/LTE

| Test Condition | Test Description                                               | FCC Part Section(s)  | Test Limit                                                                      | Test Result | Reference         | Test Lab Location |
|----------------|----------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------|-------------|-------------------|-------------------|
| CONDUCTED      | Transmitter Conducted Output Power                             | 2.1046(a), 2.1046(c) | N/A                                                                             | PASS        | Section 7.2       | KR                |
|                | Occupied Bandwidth                                             | 2.1049(h)            | N/A                                                                             | PASS        | Section 7.3       | MD, KR            |
|                | Conducted Band Edge / Spurious Emissions                       | 2.1051, 22.917(a)    | $\geq 43 + 10 \log (P[\text{Watts}])$ dB of attenuation below transmitter power | PASS        | Sections 7.4, 7.5 | MD, KR            |
|                | Peak-to-Average Ratio                                          | N/A                  | $\leq 13$ dB                                                                    | PASS        | Section 7.6       | MD, KR            |
|                | Frequency Stability                                            | 2.1055, 22.355       | The carrier frequency of the transmitter must be maintained within the 2.5ppm   | PASS        | Section 7.9       | MD                |
| RADIATED       | Effective Radiated Power / Equivalent Isotropic Radiated Power | 22.913(a)(5)         | < 7 Watts max. ERP                                                              | PASS        | Section 7.7       | MD, KR            |
|                | Radiated Spurious Emissions                                    | 2.1053, 22.917(a)    | $> 43 + 10 \log_{10} (P[\text{Watts}])$ for all out-of-band emissions           | PASS        | Section 7.8       | MD                |

\* The only transmitter output conducted powers included in this report are those where the Pmax value, per the tune-up document, is higher than any of the DSI power levels. For the remaining conducted power measurements, see the **RF Exposure Report**.

**Table 7-1. Summary of Test Results**

#### Notes:

- 1) All modes of operation and data rates were investigated. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables, directional couplers, and attenuators used as part of the system to maintain a link between the call box and the EUT at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables, attenuators, and couplers.
- 4) All conducted emissions measurements are performed with automated test software to capture the corresponding plots necessary to show compliance. The measurement software utilized is EMC Software Tool v2.4.0.

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 15 of 162                    |

## 7.2 Conducted Power Output Data

### Test Overview

All emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

### Test Procedure Used

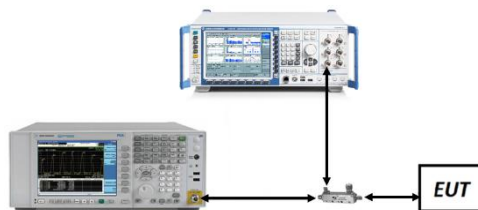
ANSI C63.26:2015 – Section 5.2

### Test Settings

1. Detector = RMS
2. Trace mode = trace average for continuous emissions, max hold for pulse emissions
3. Sweep time = auto couple
4. The trace was allowed to stabilize
5. Please see test notes below for RBW and VBW settings

### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



**Figure 7-1. Test Instrument & Measurement Setup**

### Test Notes

1. Conducted power measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
2. All other conducted power measurements are contained in the RF exposure report for this filing.
3. Conducted power was found to reduce for the higher order QAM modulations when compared to 16QAM. Due to this trend, only the worst-case QAM (16QAM) powers are included in this section.

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 16 of 162                    |

| Bandwidth            | Modulation | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|----------------------|------------|---------|-----------------|----------------|-----------------------|
| 15MHz (Band 26 only) | QPSK       | 26865   | 831.5           | 1 / 37         | 24.15                 |
|                      |            | 26915   | 836.5           | 1 / 37         | 24.07                 |
|                      |            | 26965   | 841.5           | 1 / 0          | 24.07                 |
|                      | 16QAM      | 26865   | 831.5           | 1 / 37         | 22.96                 |
|                      |            | 26915   | 836.5           | 1 / 37         | 23.01                 |
|                      |            | 26965   | 841.5           | 1 / 0          | 22.94                 |
| 10 MHz               | QPSK       | 26840   | 829.0           | 1 / 0          | 24.02                 |
|                      |            | 26915   | 836.5           | 1 / 49         | 24.14                 |
|                      |            | 26990   | 844.0           | 1 / 49         | 24.09                 |
|                      | 16QAM      | 26840   | 829.0           | 1 / 0          | 22.79                 |
|                      |            | 26915   | 836.5           | 1 / 49         | 22.98                 |
|                      |            | 26990   | 844.0           | 1 / 49         | 22.75                 |
| 5 MHz                | QPSK       | 26815   | 826.5           | 1 / 12         | 24.08                 |
|                      |            | 26915   | 836.5           | 1 / 0          | 24.19                 |
|                      |            | 27015   | 846.5           | 1 / 12         | 24.03                 |
|                      | 16QAM      | 26815   | 826.5           | 1 / 12         | 22.81                 |
|                      |            | 26915   | 836.5           | 1 / 0          | 22.98                 |
|                      |            | 27015   | 846.5           | 1 / 12         | 22.92                 |
| 3 MHz                | QPSK       | 26805   | 825.5           | 1 / 0          | 23.61                 |
|                      |            | 26915   | 836.5           | 1 / 0          | 23.69                 |
|                      |            | 27025   | 847.5           | 1 / 0          | 23.65                 |
|                      | 16QAM      | 26805   | 825.5           | 1 / 0          | 22.78                 |
|                      |            | 26915   | 836.5           | 1 / 0          | 22.72                 |
|                      |            | 27025   | 847.5           | 1 / 0          | 22.60                 |
| 1.4 MHz              | QPSK       | 26797   | 824.7           | 1 / 0          | 23.77                 |
|                      |            | 26915   | 836.5           | 1 / 0          | 23.93                 |
|                      |            | 27033   | 848.3           | 1 / 0          | 24.07                 |
|                      | 16QAM      | 26797   | 824.7           | 1 / 0          | 22.88                 |
|                      |            | 26915   | 836.5           | 1 / 0          | 22.97                 |
|                      |            | 27033   | 848.3           | 1 / 0          | 22.94                 |

Table 7-2. Conducted Power Output Data (LTE Band 26/5 – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 17 of 162                    |

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 20 MHz    | $\pi/2$ BPSK | 166800  | 834.0           | 1 / 104        | 24.02                 |
|           |              | 167300  | 836.5           | 1 / 104        | 23.87                 |
|           |              | 167800  | 839.0           | 1 / 104        | 23.86                 |
|           | QPSK         | 166800  | 834.0           | 1 / 104        | 23.96                 |
|           |              | 167300  | 836.5           | 1 / 104        | 23.90                 |
|           |              | 167800  | 839.0           | 1 / 104        | 23.89                 |
|           | 16-QAM       | 166800  | 834.0           | 1 / 104        | 22.77                 |
|           |              | 167300  | 836.5           | 1 / 104        | 22.57                 |
|           |              | 167800  | 839.0           | 1 / 104        | 22.44                 |
| 15 MHz    | $\pi/2$ BPSK | 166300  | 831.5           | 1 / 39         | 23.85                 |
|           |              | 167300  | 836.5           | 1 / 77         | 23.93                 |
|           |              | 168300  | 841.5           | 1 / 39         | 24.03                 |
|           | QPSK         | 166300  | 831.5           | 1 / 39         | 23.97                 |
|           |              | 167300  | 836.5           | 1 / 77         | 23.87                 |
|           |              | 168300  | 841.5           | 1 / 39         | 23.92                 |
|           | 16-QAM       | 166300  | 831.5           | 1 / 39         | 23.21                 |
|           |              | 167300  | 836.5           | 1 / 77         | 22.71                 |
|           |              | 168300  | 841.5           | 1 / 39         | 22.51                 |
| 10 MHz    | $\pi/2$ BPSK | 165800  | 829.0           | 1 / 26         | 24.01                 |
|           |              | 167300  | 836.5           | 1 / 50         | 24.02                 |
|           |              | 168800  | 844.0           | 1 / 26         | 23.98                 |
|           | QPSK         | 165800  | 829.0           | 1 / 26         | 23.90                 |
|           |              | 167300  | 836.5           | 1 / 50         | 23.90                 |
|           |              | 168800  | 844.0           | 1 / 26         | 23.98                 |
|           | 16-QAM       | 165800  | 829.0           | 1 / 26         | 23.07                 |
|           |              | 167300  | 836.5           | 1 / 50         | 22.59                 |
|           |              | 168800  | 844.0           | 1 / 26         | 22.68                 |
| 5 MHz     | $\pi/2$ BPSK | 165300  | 826.5           | 1 / 12         | 24.09                 |
|           |              | 167300  | 836.5           | 1 / 12         | 24.03                 |
|           |              | 169300  | 846.5           | 1 / 12         | 24.02                 |
|           | QPSK         | 165300  | 826.5           | 1 / 12         | 24.20                 |
|           |              | 167300  | 836.5           | 1 / 12         | 23.84                 |
|           |              | 169300  | 846.5           | 1 / 12         | 24.00                 |
|           | 16-QAM       | 165300  | 826.5           | 1 / 12         | 23.26                 |
|           |              | 167300  | 836.5           | 1 / 12         | 22.66                 |
|           |              | 169300  | 846.5           | 1 / 12         | 22.84                 |

Table 7-3. Conducted Power Output Data (NR Band n26/5 – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 18 of 162                    |

## 7.3 Occupied Bandwidth

### Test Overview

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section.

### Test Procedure Used

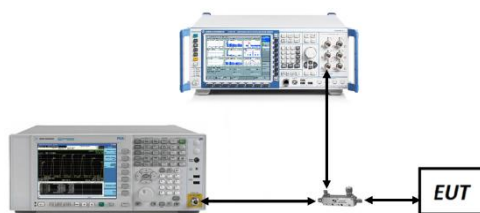
ANSI C63.26:2015 – Section 5.4.4

### Test Settings

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW  $\geq 3 \times$  RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



**Figure 7-2. Test Instrument & Measurement Setup**

### Test Notes

None.

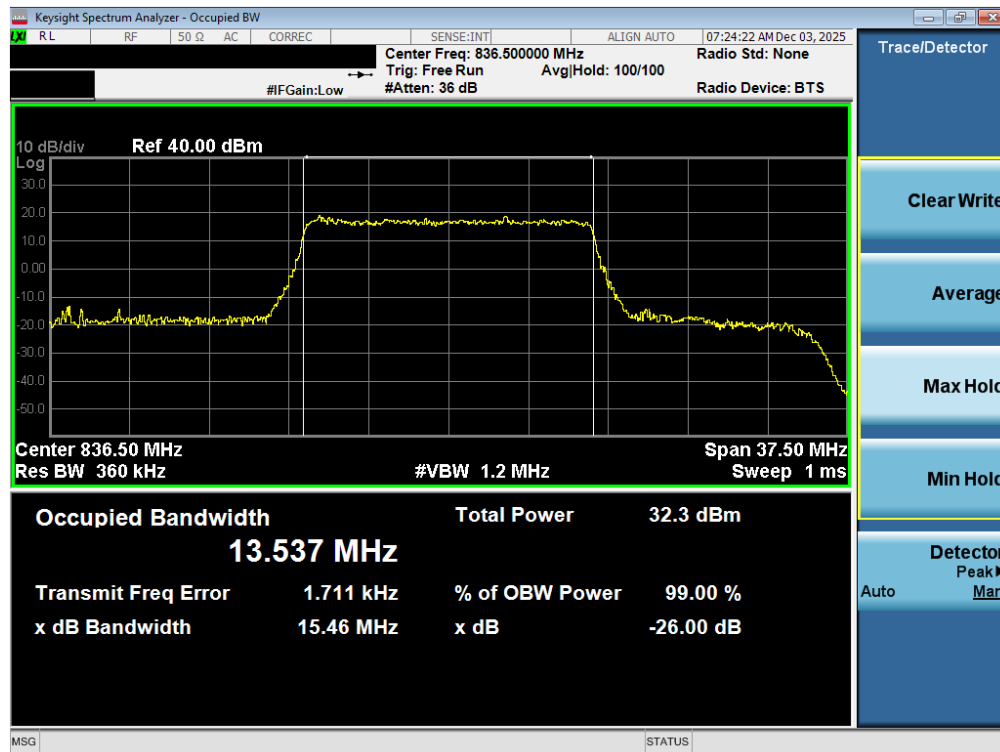
|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 19 of 162                    |

| Mode          | Bandwidth | Modulation      | OBW [MHz] |
|---------------|-----------|-----------------|-----------|
| GSM-Cell      | N/A       | GMSK            | 0.246     |
| GSM-Cell Edge |           | 8-PSK           | 0.244     |
| WCDMA-Cell    |           | Spread Spectrum | 4.196     |
| LTE-B26-5     | 15MHz     | QPSK            | 13.54     |
|               |           | 16QAM           | 13.57     |
|               | 10MHz     | QPSK            | 9.08      |
|               |           | 16QAM           | 9.04      |
|               | 5 MHz     | QPSK            | 4.57      |
|               |           | 16QAM           | 4.54      |
|               | 3 MHz     | QPSK            | 2.72      |
|               |           | 16QAM           | 2.73      |
|               | 1.4 MHz   | QPSK            | 1.10      |
|               |           | 16QAM           | 1.11      |
| NR-n26-5      | 20 MHz    | $\pi/2$ BPSK    | 17.97     |
|               |           | QPSK            | 19.08     |
|               |           | 16QAM           | 19.09     |
|               | 15 MHz    | $\pi/2$ BPSK    | 13.52     |
|               |           | QPSK            | 14.16     |
|               |           | 16QAM           | 14.24     |
|               | 10 MHz    | $\pi/2$ BPSK    | 9.06      |
|               |           | QPSK            | 9.38      |
|               |           | 16QAM           | 9.37      |
|               | 5 MHz     | $\pi/2$ BPSK    | 4.55      |
|               |           | QPSK            | 4.59      |
|               |           | 16QAM           | 4.56      |

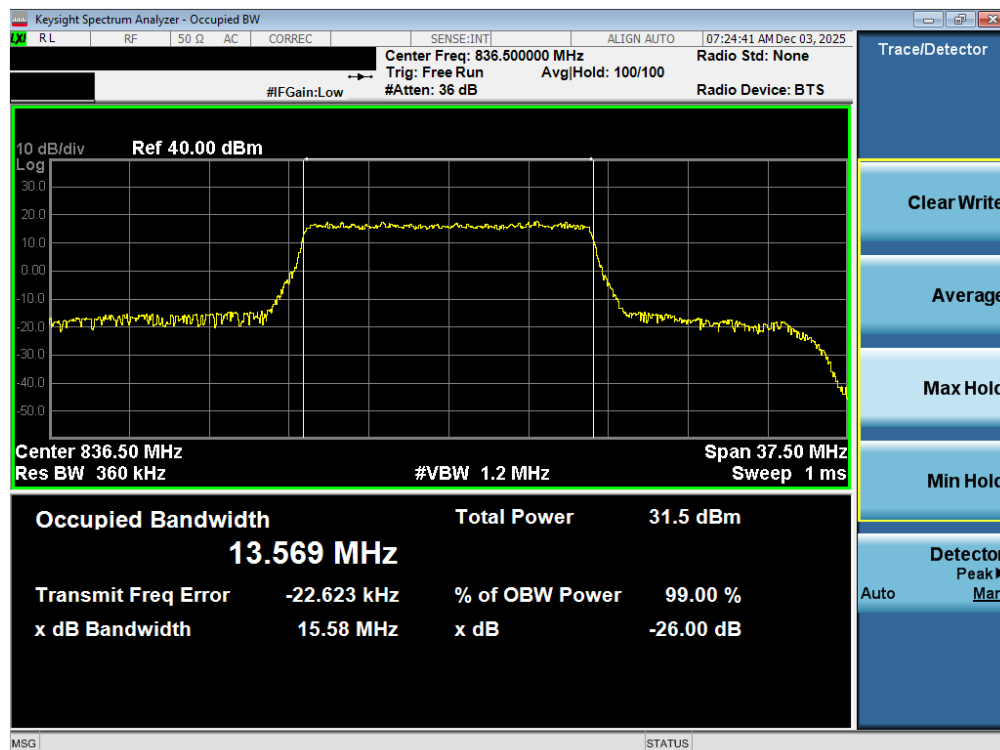
Table 7-4. Occupied Bandwidth Results – Ant1

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 20 of 162                    |

## LTE Band 26/5 – Ant1

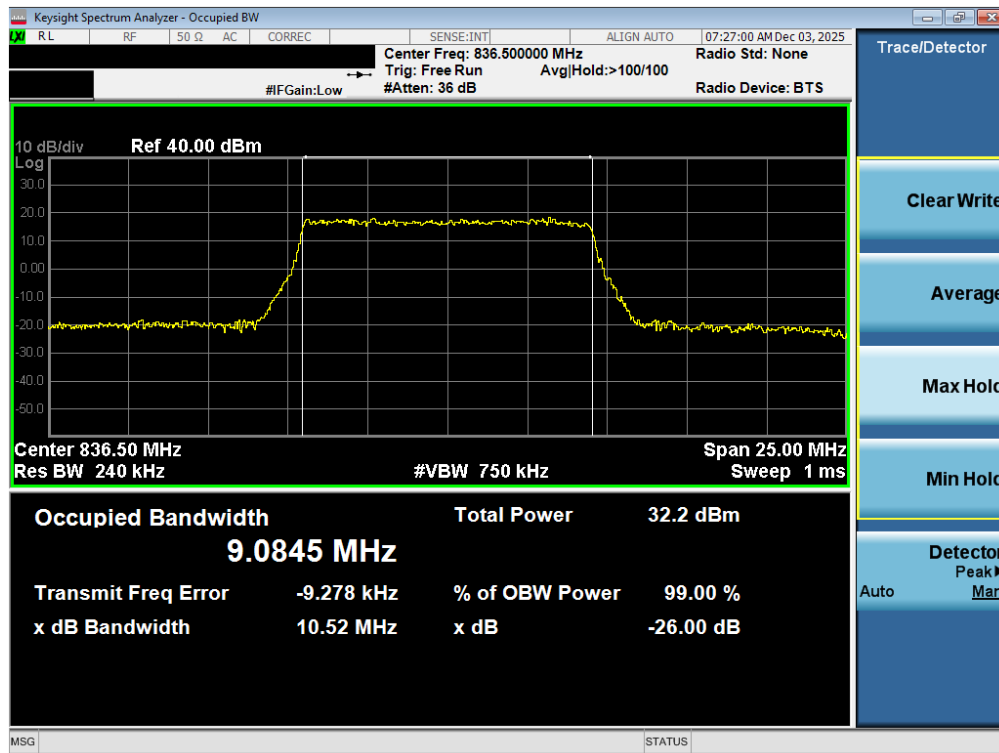


Plot 7-1. Occupied Bandwidth Plot (LTE Band 26 - 15MHz QPSK - Full RB - Ant1)

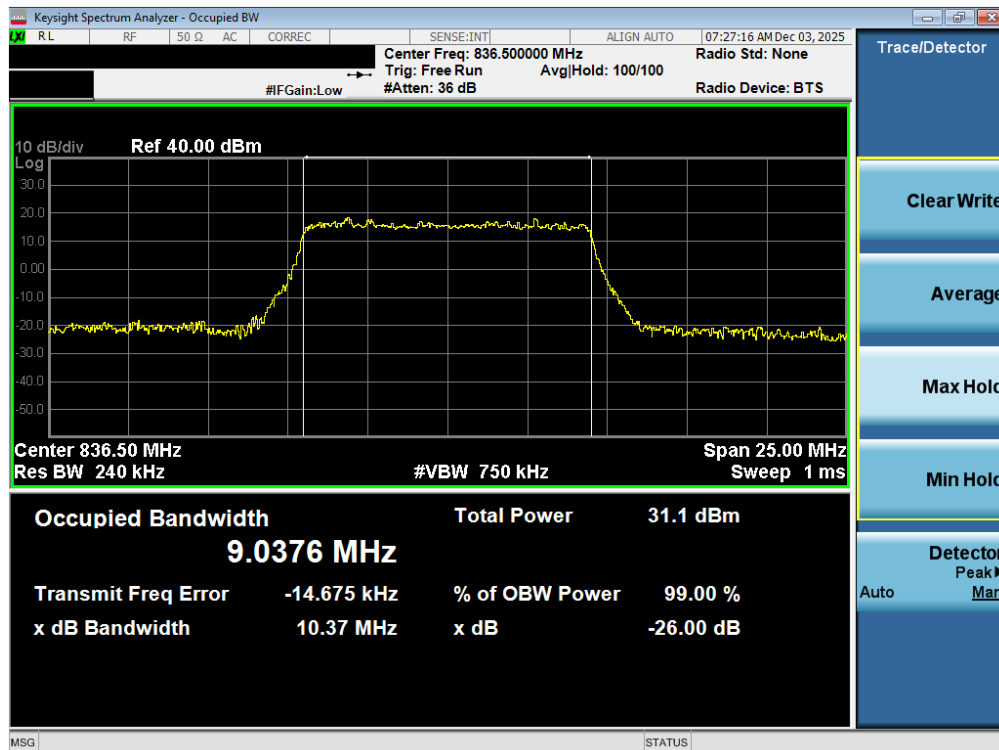


Plot 7-2. Occupied Bandwidth Plot (LTE Band 26 - 15MHz 16-QAM - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 21 of 162                    |

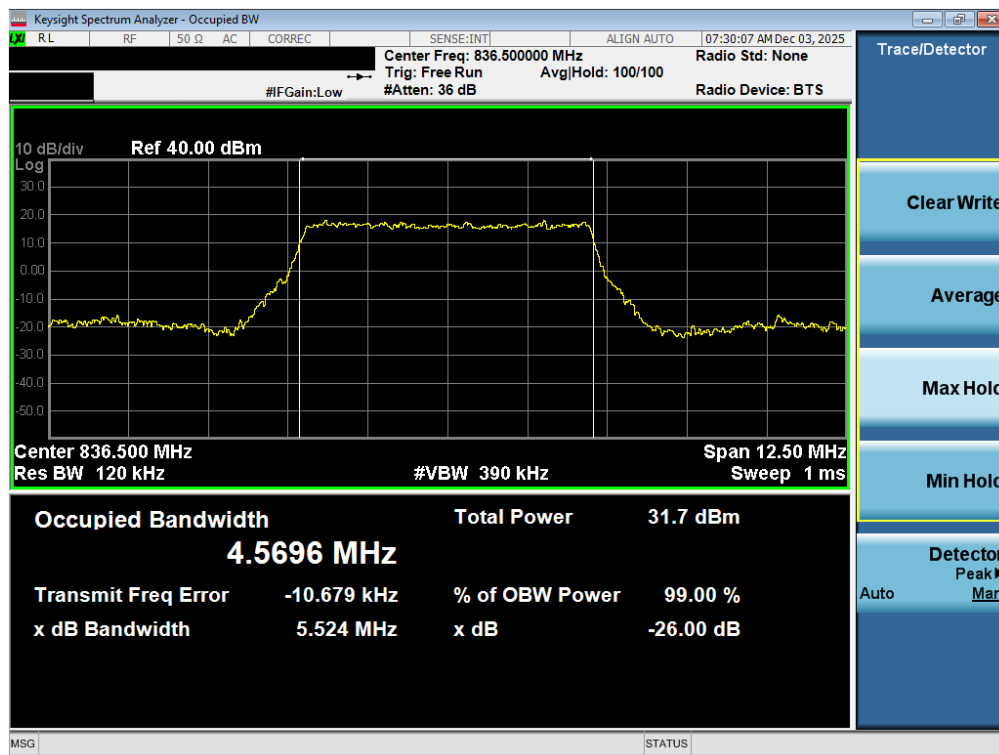


Plot 7-3. Occupied Bandwidth Plot (LTE Band 26/5 - 10MHz QPSK - Full RB - Ant1)

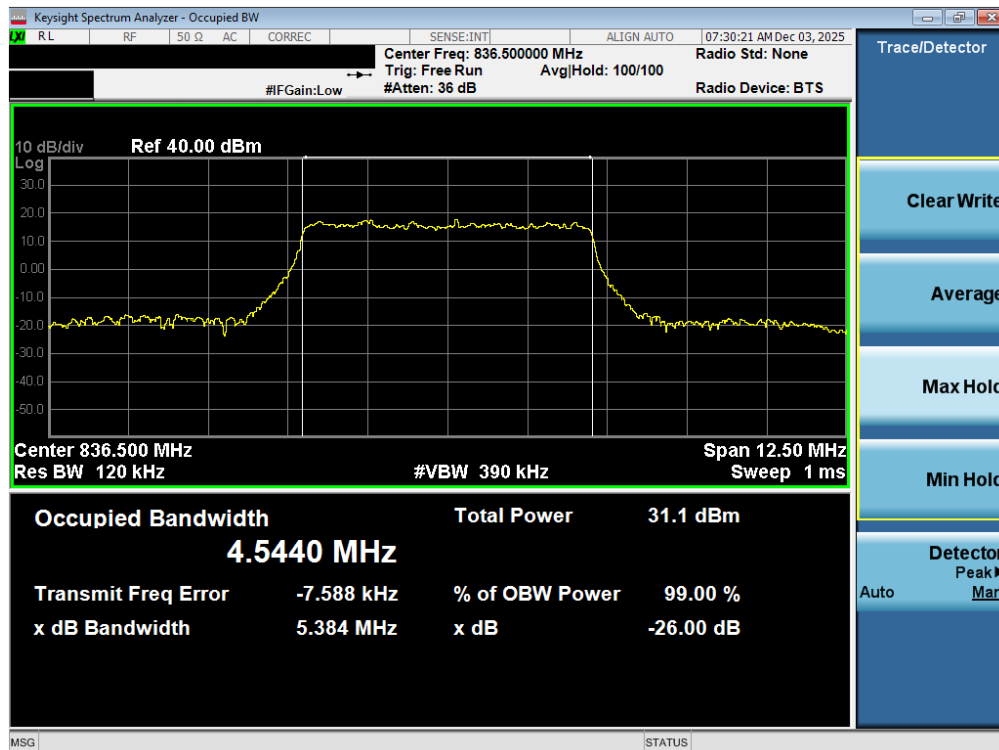


Plot 7-4. Occupied Bandwidth Plot (LTE Band 26/5 - 10MHz 16-QAM - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 22 of 162                    |



Plot 7-5. Occupied Bandwidth Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant1)

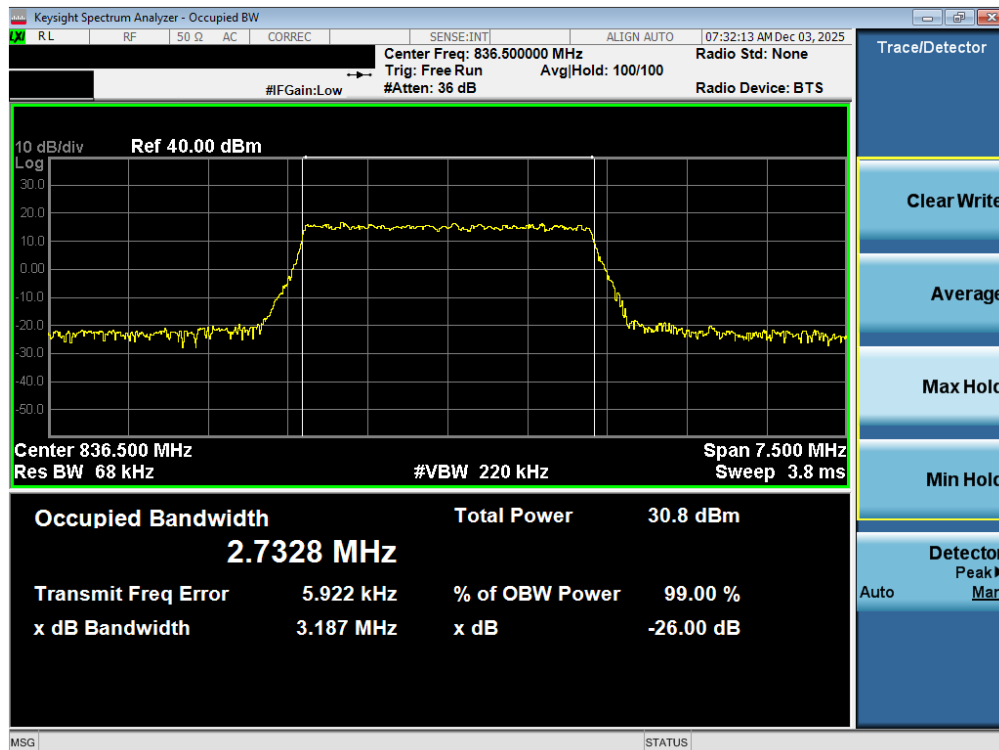


Plot 7-6. Occupied Bandwidth Plot (LTE Band 26/5 - 5MHz 16-QAM - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 23 of 162                    |

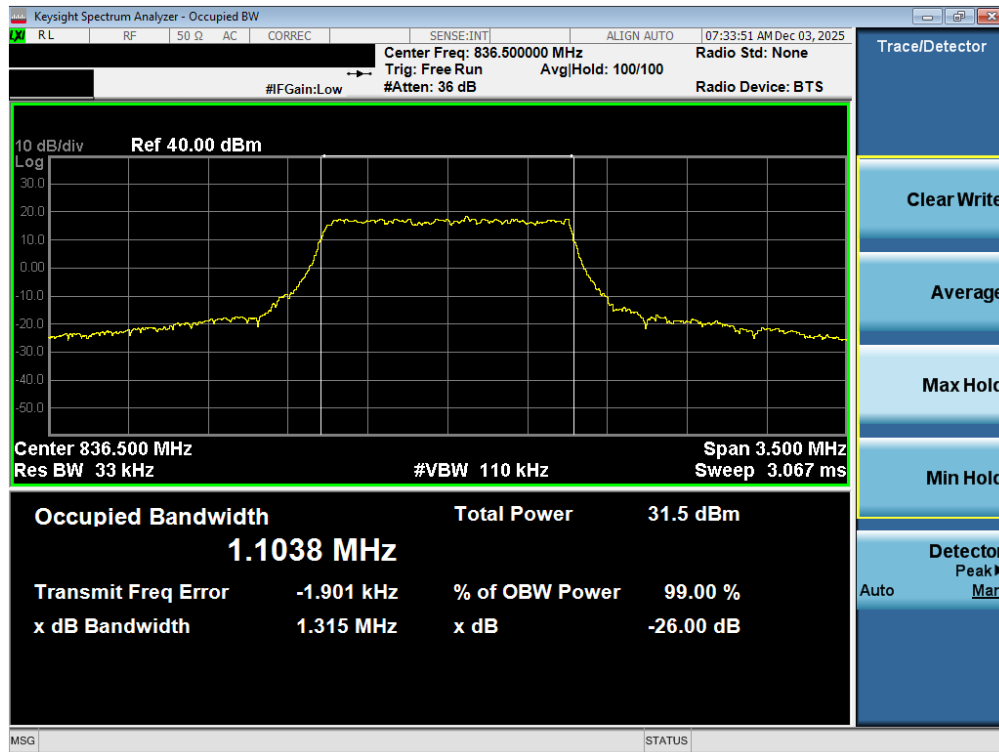


Plot 7-7. Occupied Bandwidth Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant1)

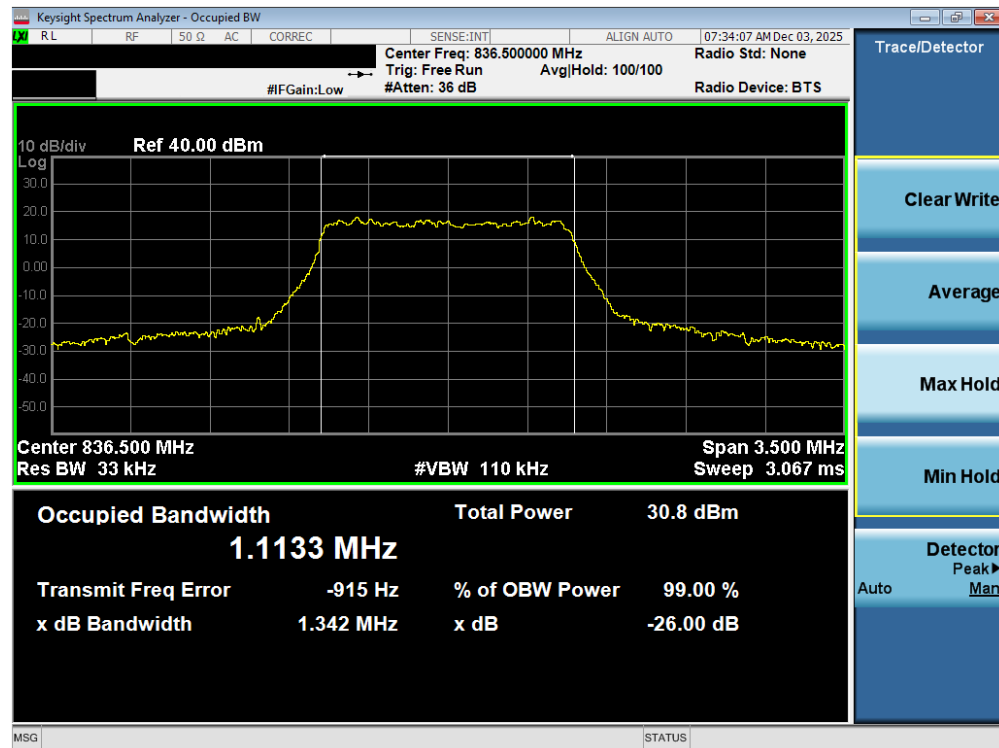


Plot 7-8. Occupied Bandwidth Plot (LTE Band 26/5 - 3MHz 16-QAM - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 24 of 162                    |



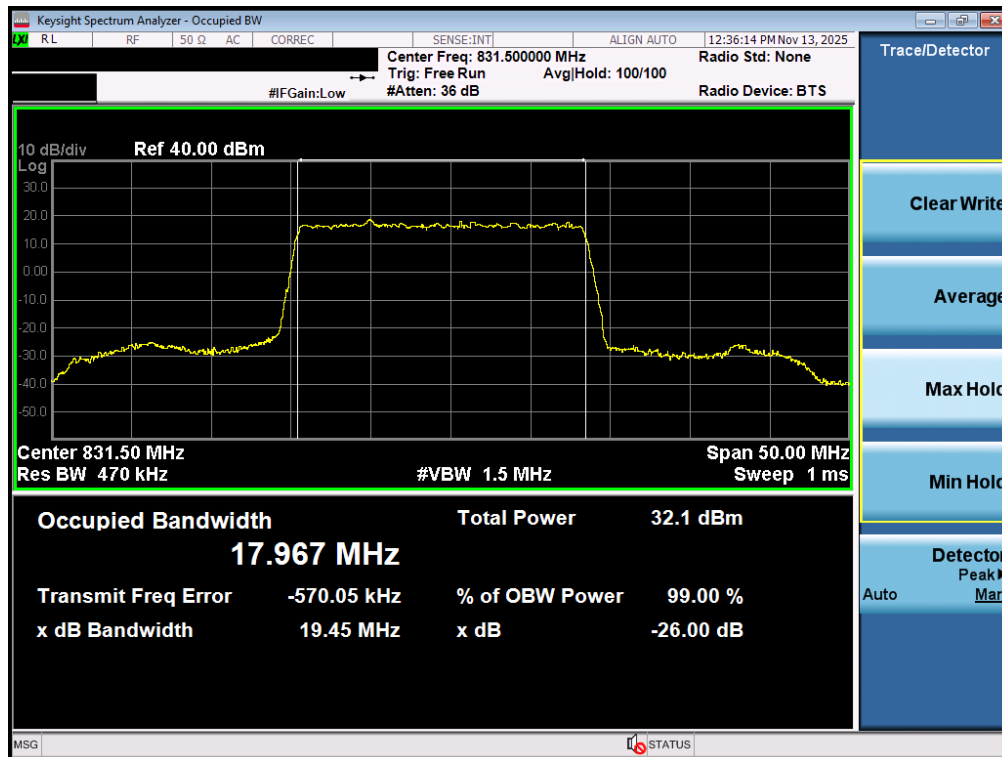
Plot 7-9. Occupied Bandwidth Plot (LTE Band 26/5 - 1.4MHz QPSK - Full RB - Ant1)



Plot 7-10. Occupied Bandwidth Plot (LTE Band 26/5 - 1.4MHz 16-QAM - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 25 of 162                    |

## NR Band n26/5 – Ant1

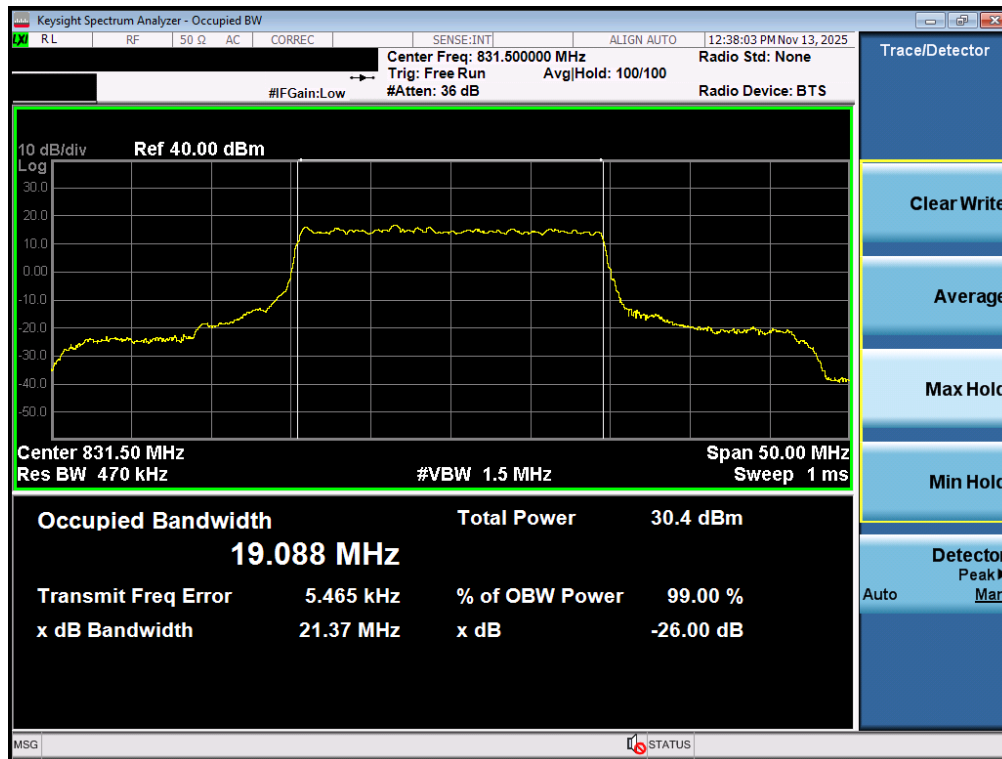


Plot 7-11. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz  $\pi/2$  BPSK - Full RB - Ant1)

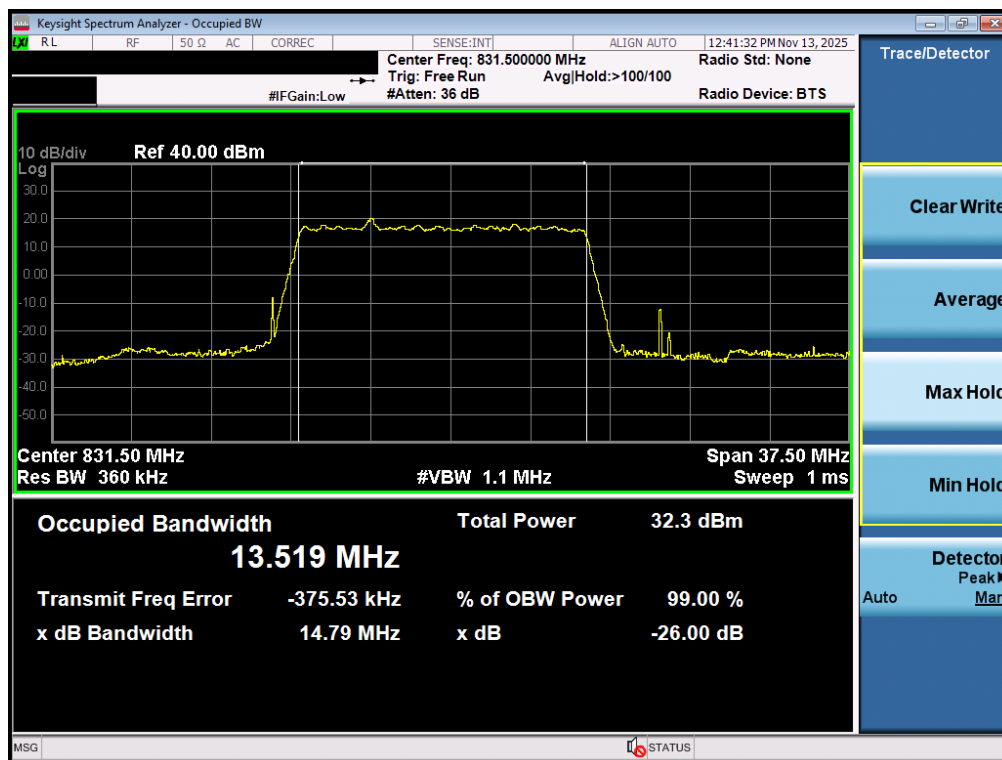


Plot 7-12. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz QPSK - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 26 of 162                    |



Plot 7-13. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz 16-QAM - Full RB - Ant1)



Plot 7-14. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz  $\pi/2$  BPSK - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 27 of 162                    |

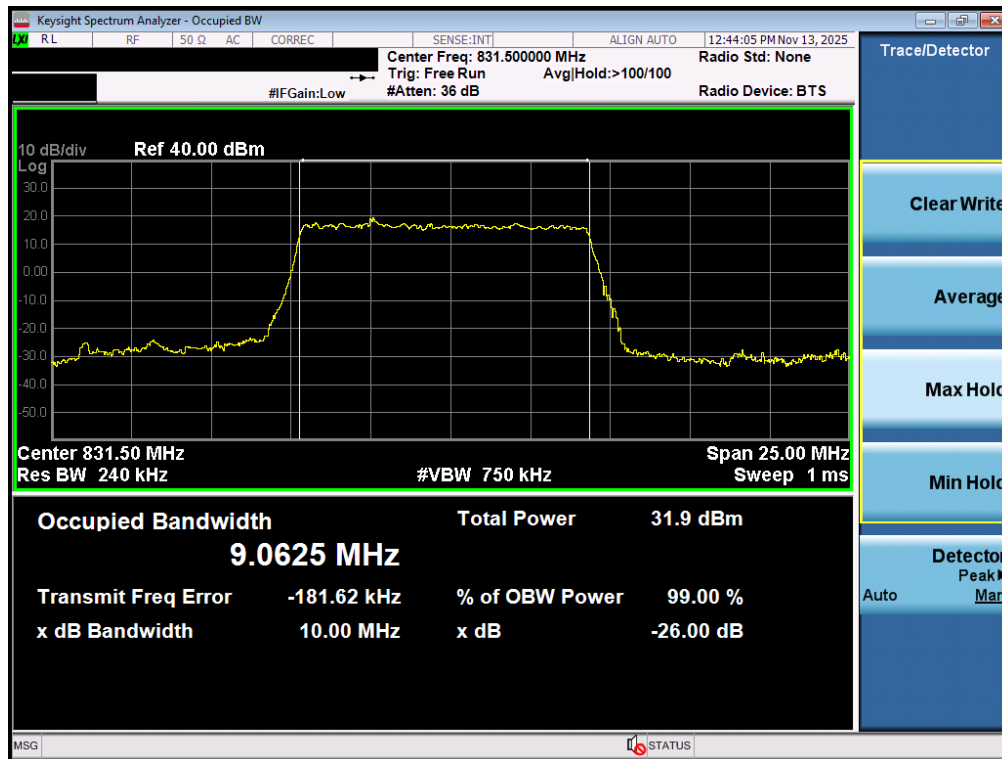


Plot 7-15. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz QPSK - Full RB - Ant1)



Plot 7-16. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz 16-QAM - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 28 of 162                    |

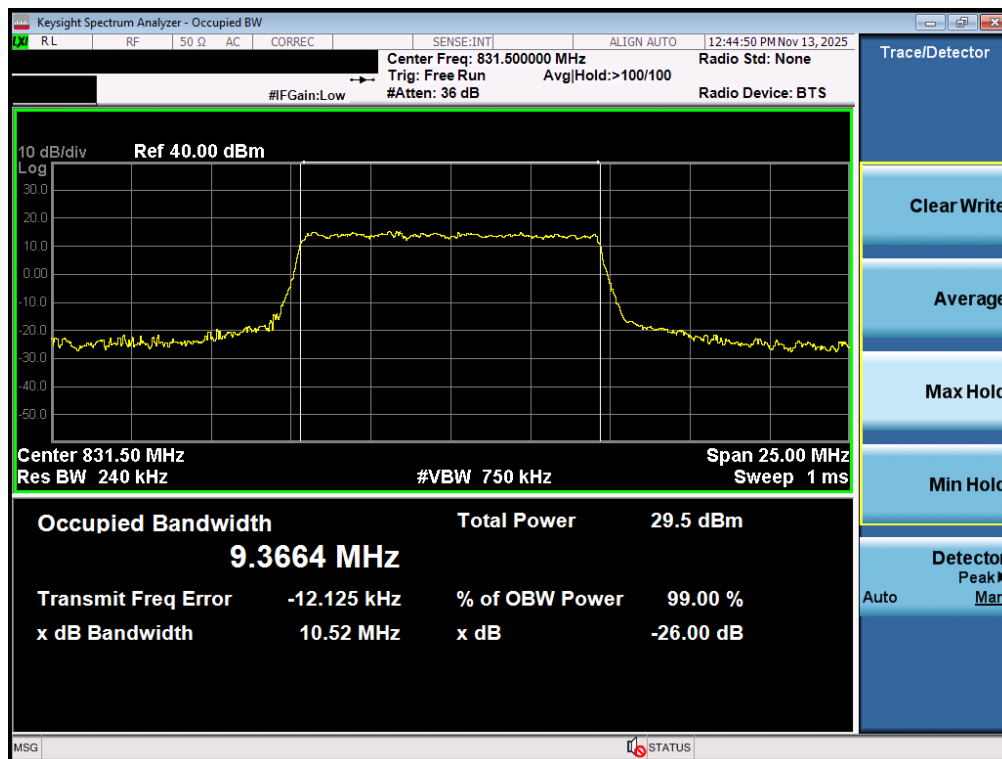


Plot 7-17. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz  $\pi/2$  BPSK - Full RB - Ant1)

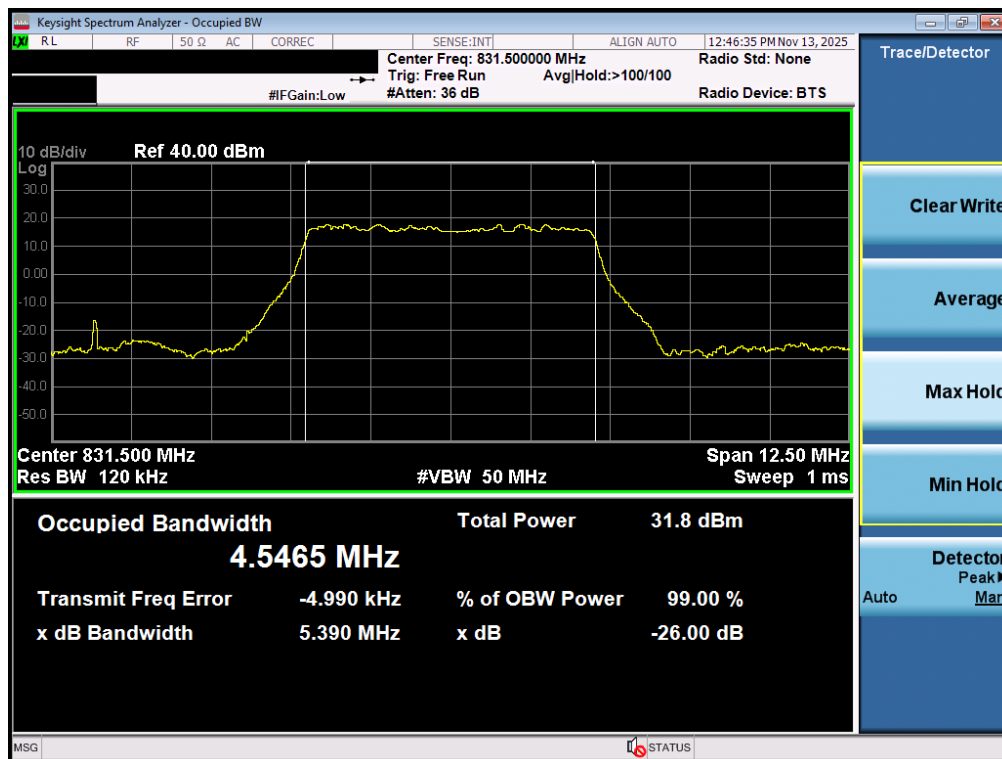


Plot 7-18. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz QPSK - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 29 of 162                    |

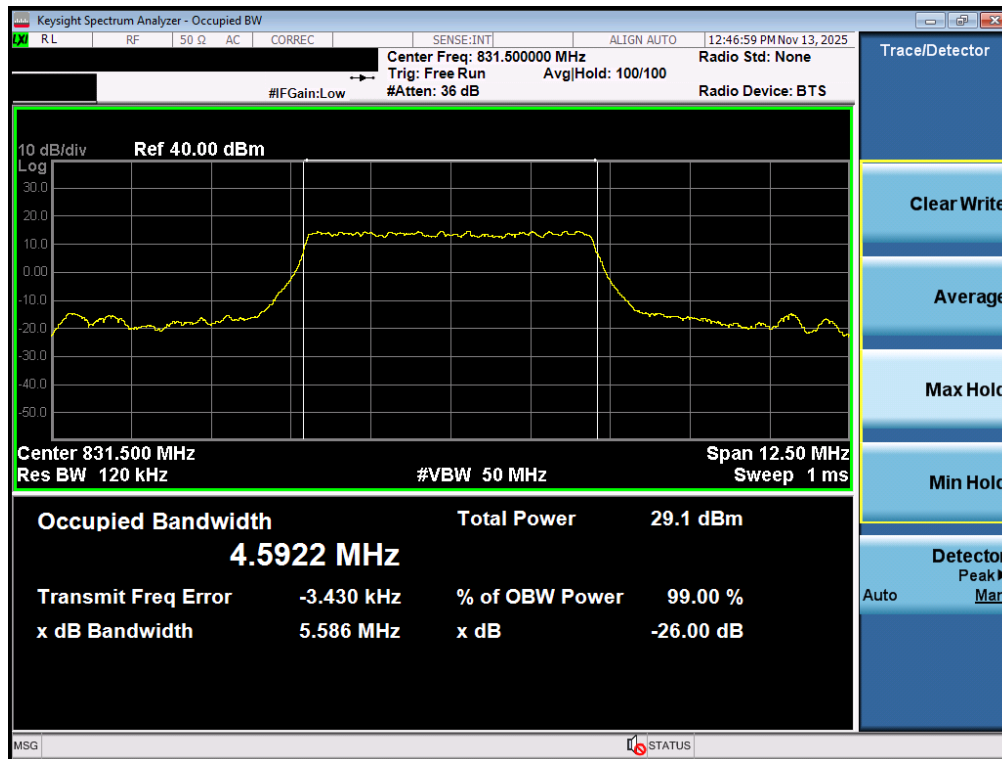


Plot 7-19. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz 16-QAM - Full RB - Ant1)

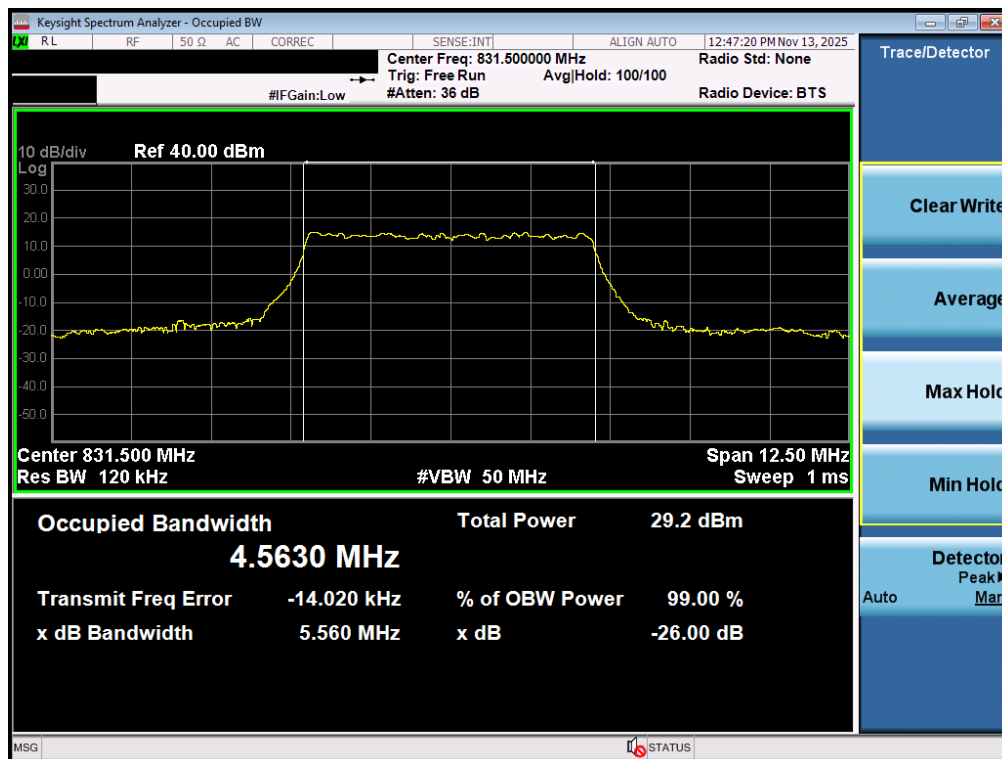


Plot 7-20. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz  $\pi/2$  BPSK - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 30 of 162                    |



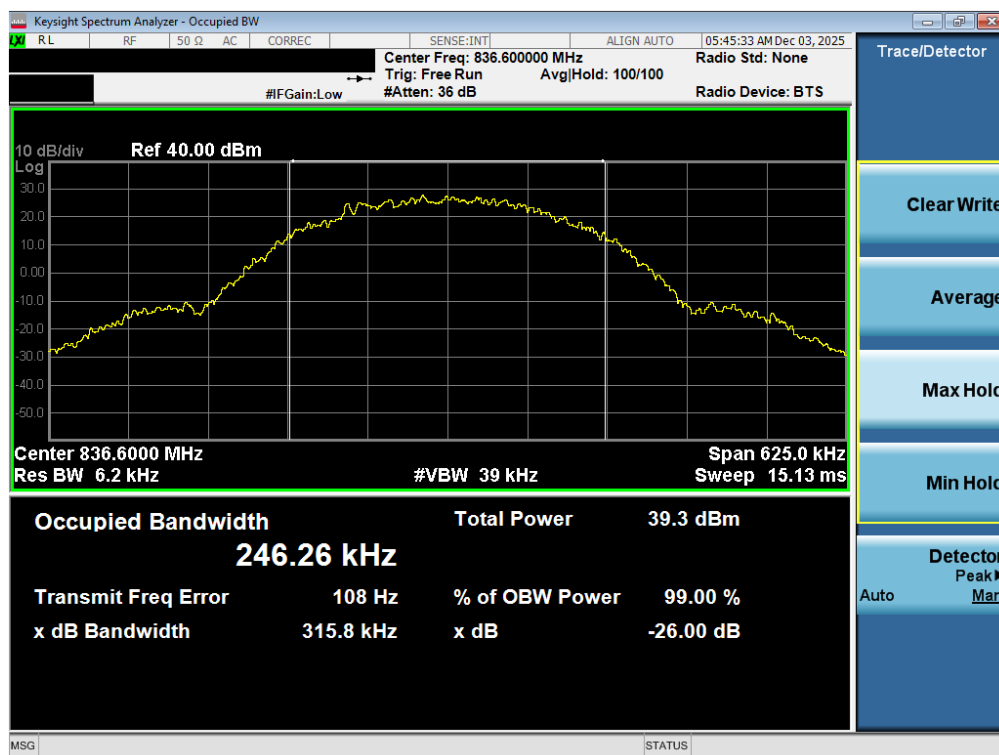
Plot 7-21. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz QPSK - Full RB - Ant1)



Plot 7-22. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz 16-QAM - Full RB - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 31 of 162                    |

## GPRS Cell – Ant1



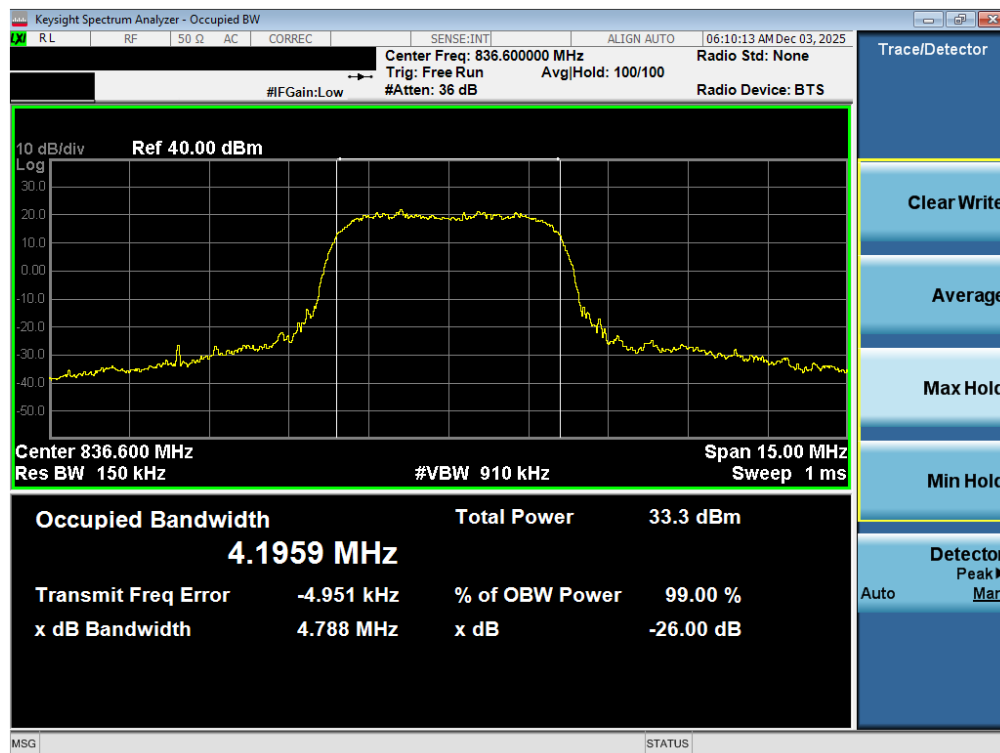
Plot 7-23. Occupied Bandwidth Plot (GPRS, Ch. 190 – Ant1)



Plot 7-24. Occupied Bandwidth Plot (EDGE, Ch. 190 – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 32 of 162                    |

## WCDMA Cell – Ant1



Plot 7-25. Occupied Bandwidth Plot (WCDMA, Ch. 4183 – Ant1)

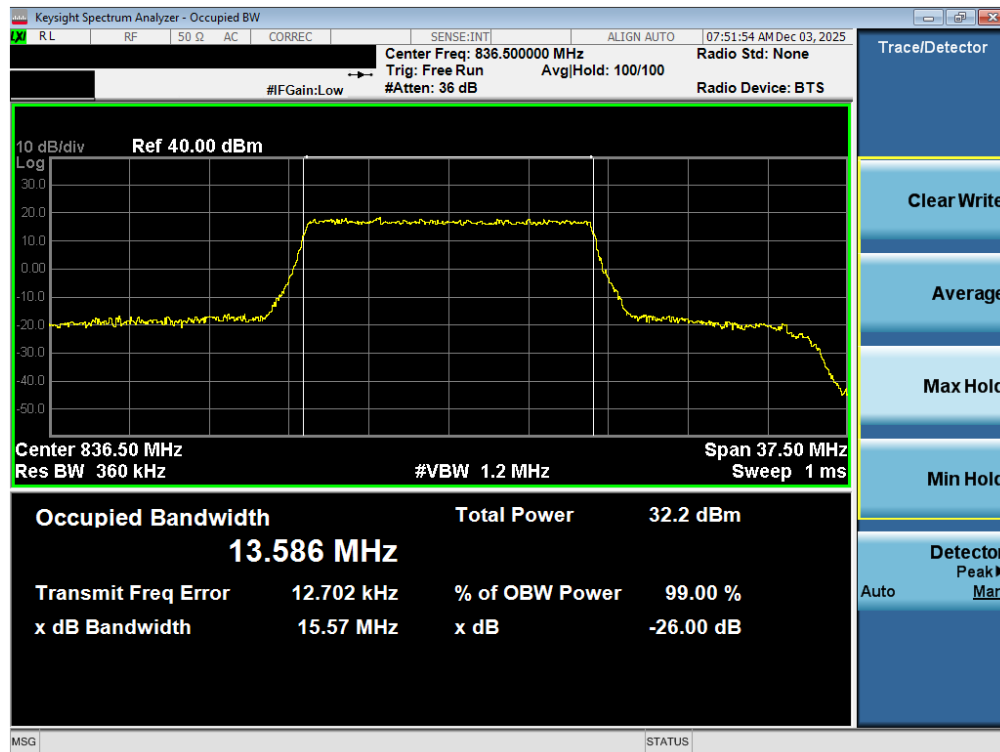
|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 33 of 162                    |

| Mode          | Bandwidth | Modulation      | OBW [MHz] |
|---------------|-----------|-----------------|-----------|
| GSM-Cell      | N/A       | GMSK            | 0.243     |
| GSM-Cell Edge |           | 8-PSK           | 0.245     |
| WCDMA-Cell    |           | Spread Spectrum | 4.208     |
| LTE-B26-5     | 15MHz     | QPSK            | 13.59     |
|               |           | 16QAM           | 13.57     |
|               | 10MHz     | QPSK            | 9.08      |
|               |           | 16QAM           | 9.04      |
|               | 5 MHz     | QPSK            | 4.56      |
|               |           | 16QAM           | 4.54      |
|               | 3 MHz     | QPSK            | 2.72      |
|               |           | 16QAM           | 2.73      |
|               | 1.4 MHz   | QPSK            | 1.10      |
|               |           | 16QAM           | 1.11      |
| NR-n26-5      | 20 MHz    | $\pi/2$ BPSK    | 17.97     |
|               |           | QPSK            | 18.92     |
|               |           | 16QAM           | 19.08     |
|               | 15 MHz    | $\pi/2$ BPSK    | 13.48     |
|               |           | QPSK            | 14.21     |
|               |           | 16QAM           | 14.19     |
|               | 10 MHz    | $\pi/2$ BPSK    | 9.02      |
|               |           | QPSK            | 9.02      |
|               |           | 16QAM           | 9.36      |
|               | 5 MHz     | $\pi/2$ BPSK    | 4.55      |
|               |           | QPSK            | 4.61      |
|               |           | 16QAM           | 4.55      |

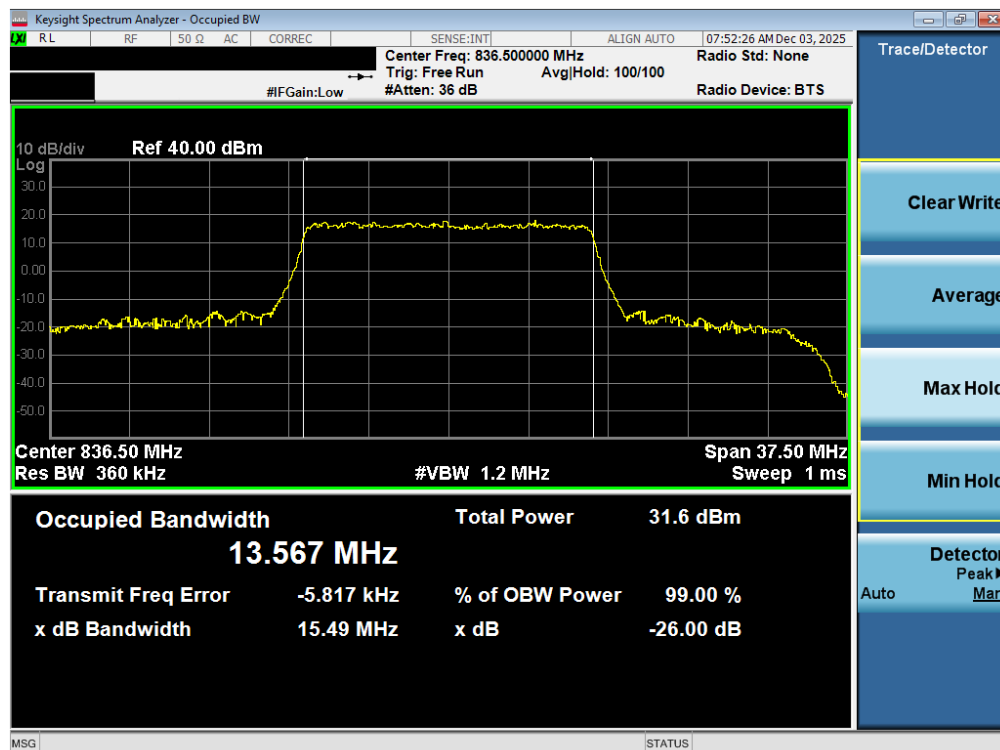
**Table 7-5. Occupied Bandwidth Results – Ant2**

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 34 of 162                    |

## LTE Band 26/5 – Ant2

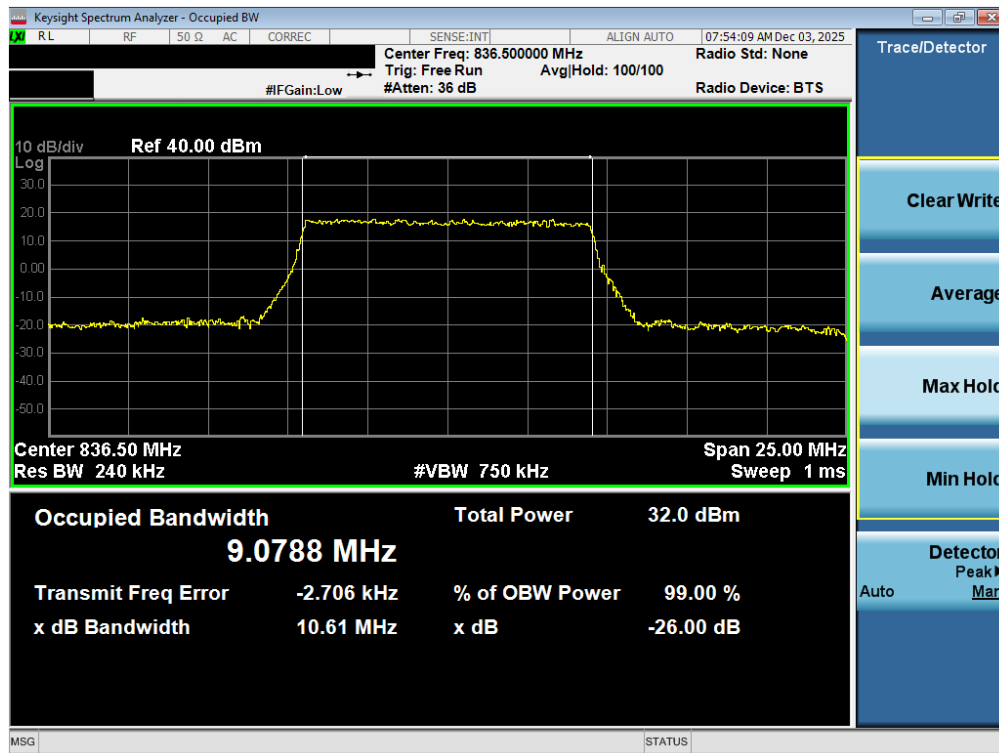


Plot 7-26. Occupied Bandwidth Plot (LTE Band 26 - 15MHz QPSK - Full RB - Ant2)

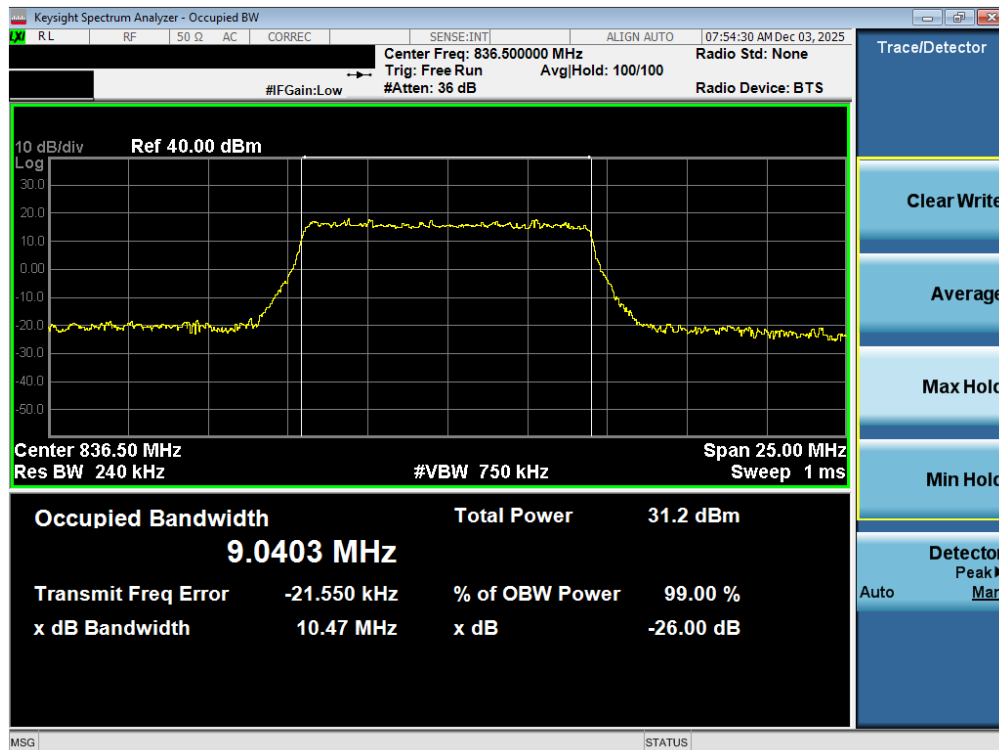


Plot 7-27. Occupied Bandwidth Plot (LTE Band 26 - 15MHz 16-QAM - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 35 of 162                    |

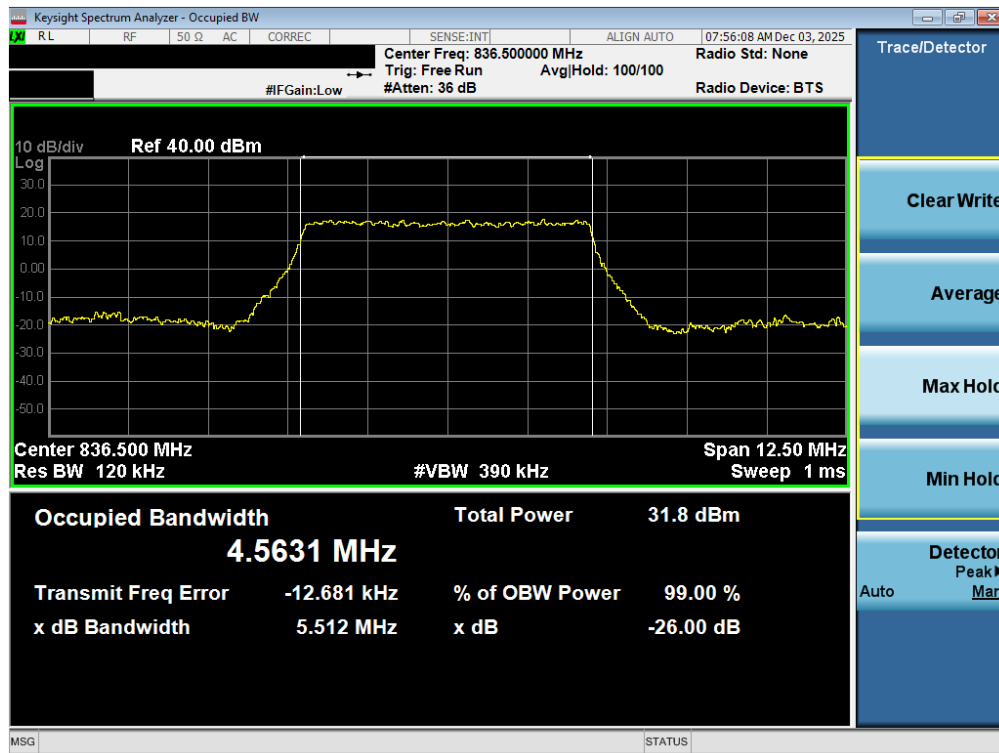


Plot 7-28. Occupied Bandwidth Plot (LTE Band 26/5 - 10MHz QPSK - Full RB - Ant2)

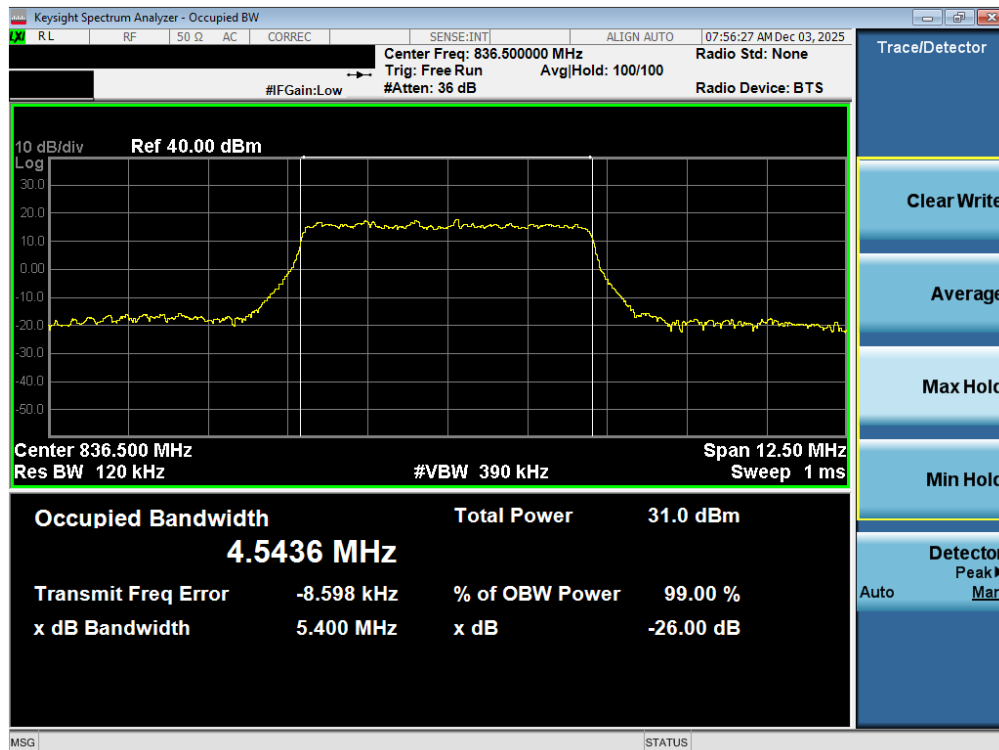


Plot 7-29. Occupied Bandwidth Plot (LTE Band 26/5 - 10MHz 16-QAM - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 36 of 162                    |



Plot 7-30. Occupied Bandwidth Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant2)

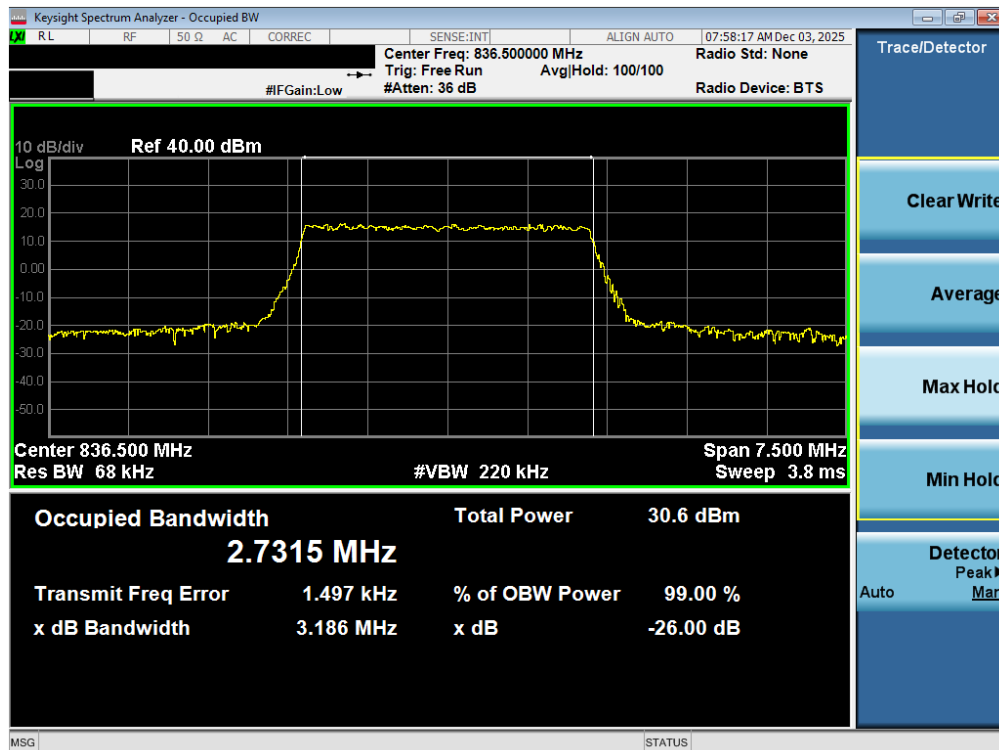


Plot 7-31. Occupied Bandwidth Plot (LTE Band 26/5 - 5MHz 16-QAM - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 37 of 162                    |

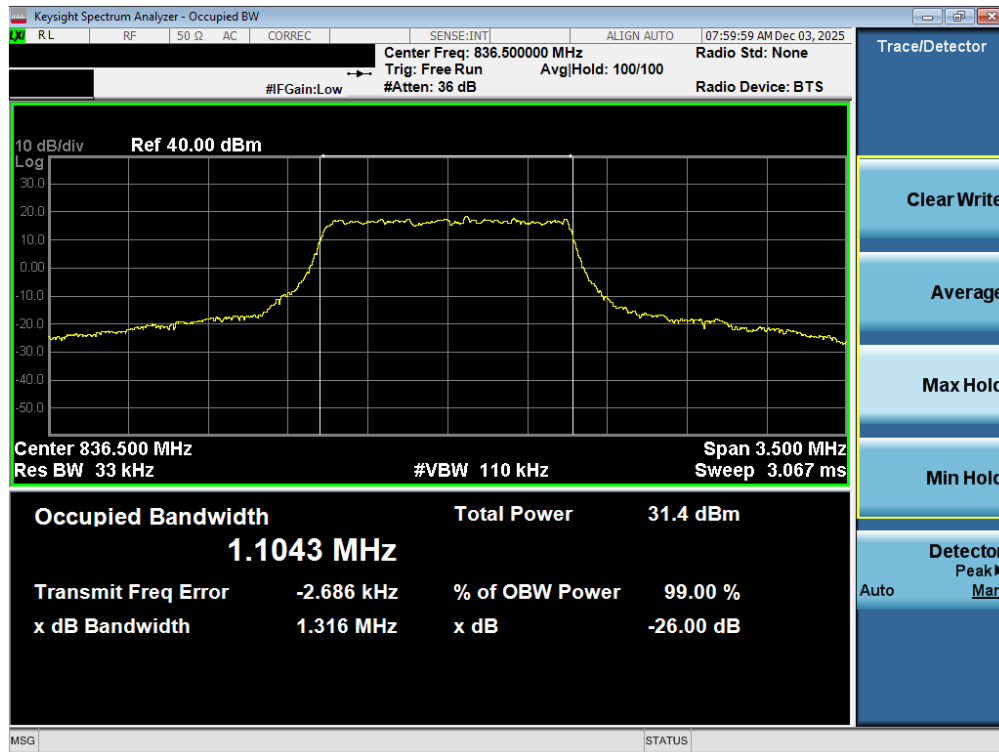


Plot 7-32. Occupied Bandwidth Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant2)

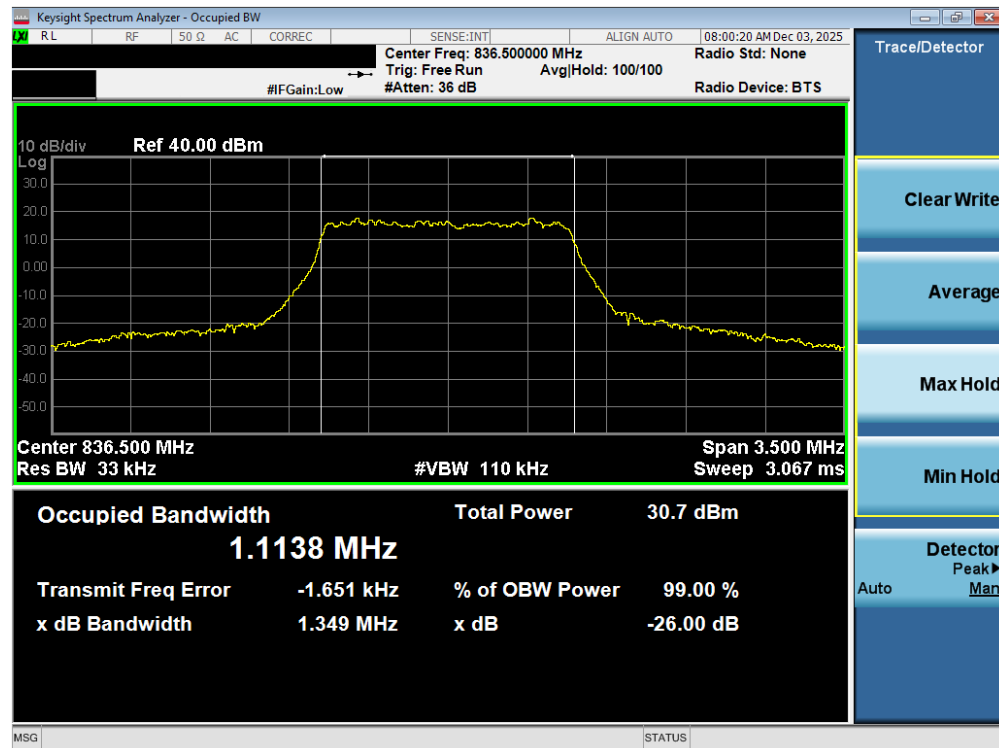


Plot 7-33. Occupied Bandwidth Plot (LTE Band 26/5 - 3MHz 16-QAM - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 38 of 162                    |



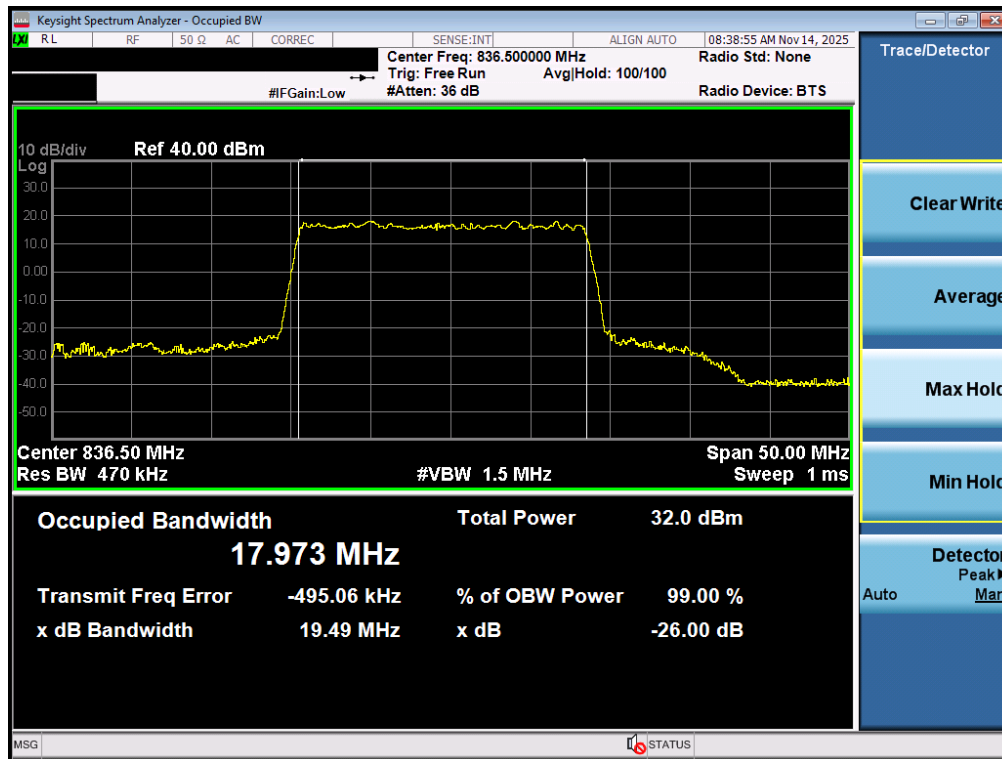
Plot 7-34. Occupied Bandwidth Plot (LTE Band 26/5 - 1.4MHz QPSK - Full RB - Ant2)



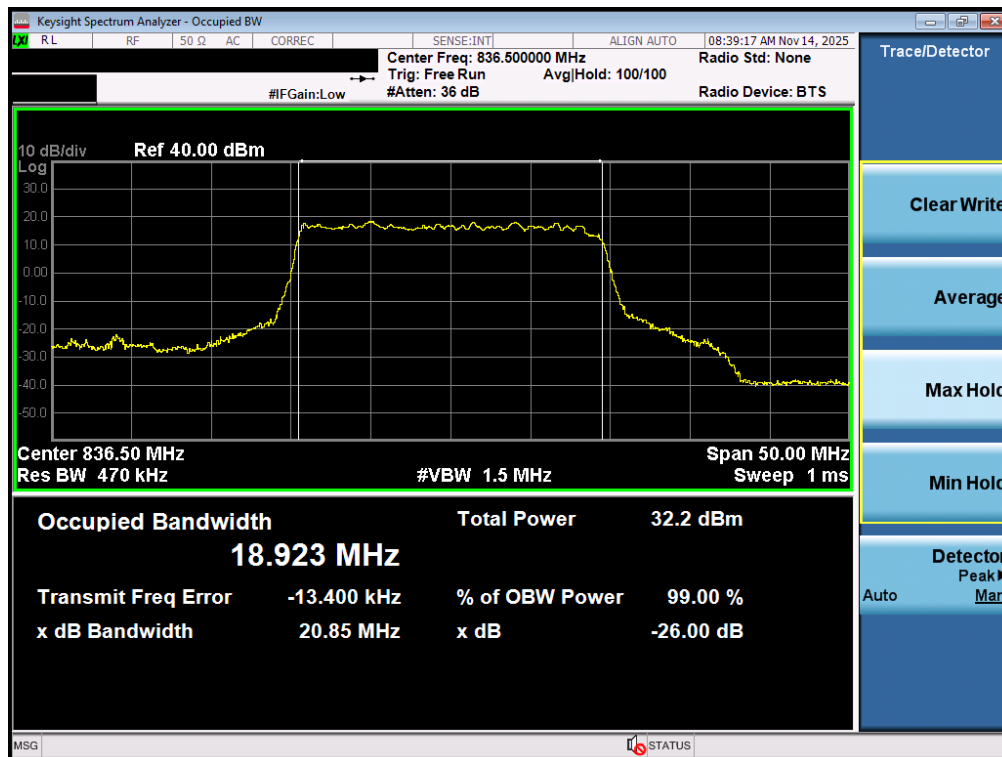
Plot 7-35. Occupied Bandwidth Plot (LTE Band 26/5 - 1.4MHz 16-QAM - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 39 of 162                    |

## NR Band n26/5 – Ant2

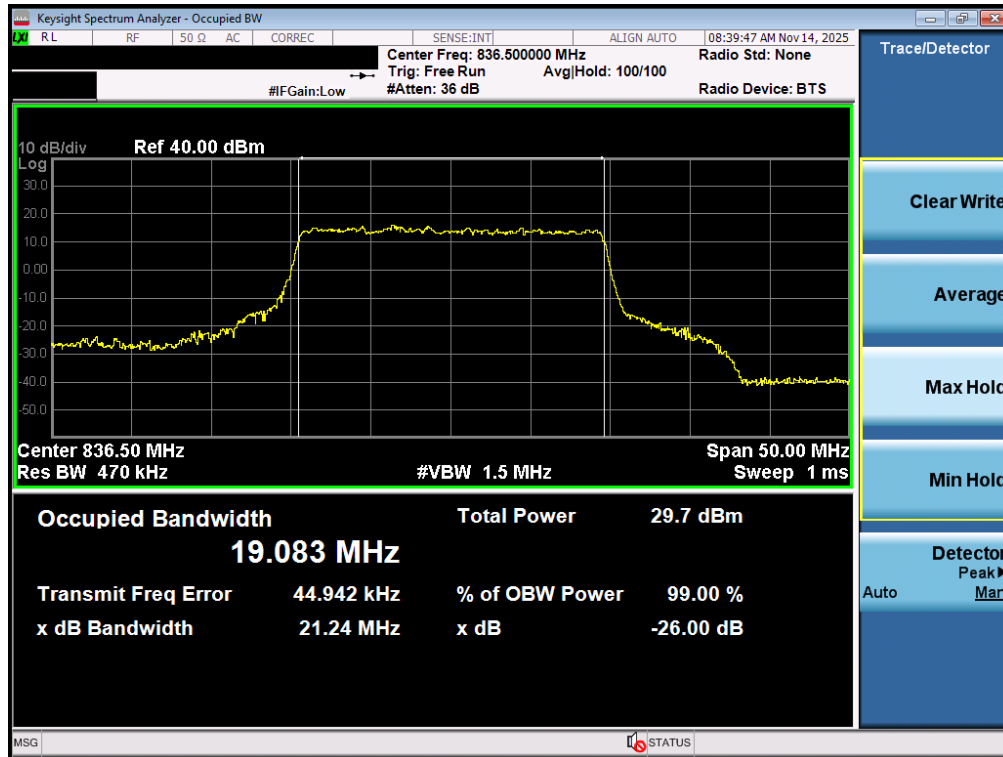


Plot 7-36. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz  $\pi/2$  BPSK - Full RB - Ant2)

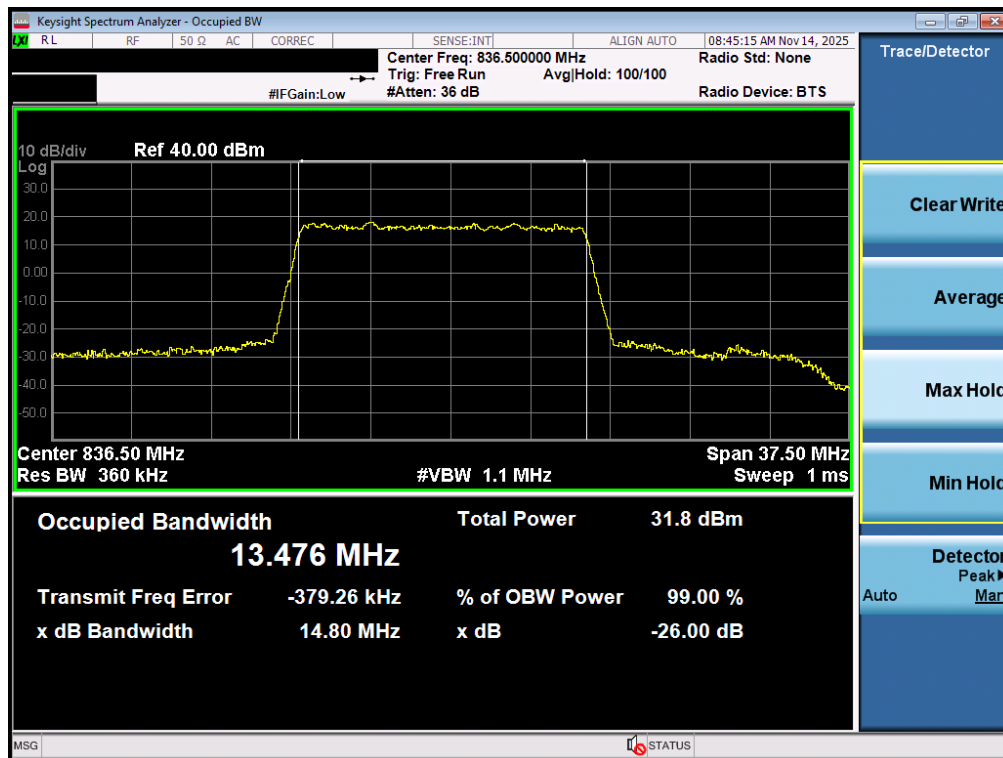


Plot 7-37. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz QPSK - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 40 of 162                    |

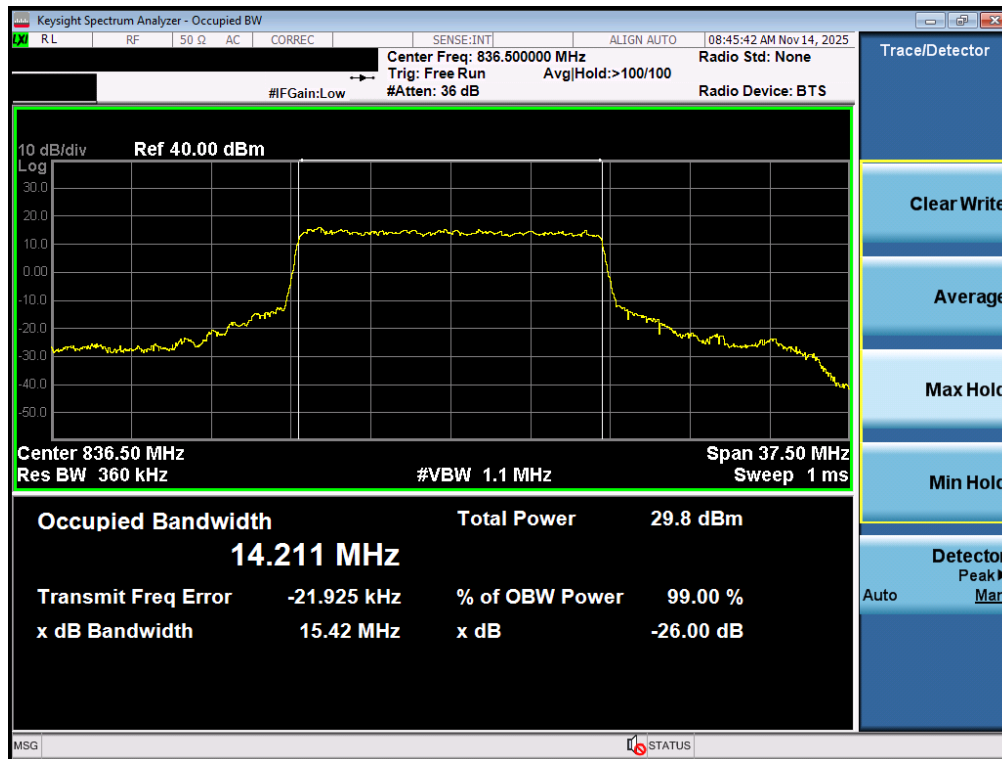


Plot 7-38. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz 16-QAM - Full RB - Ant2)



Plot 7-39. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz  $\pi/2$  BPSK - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 41 of 162                    |

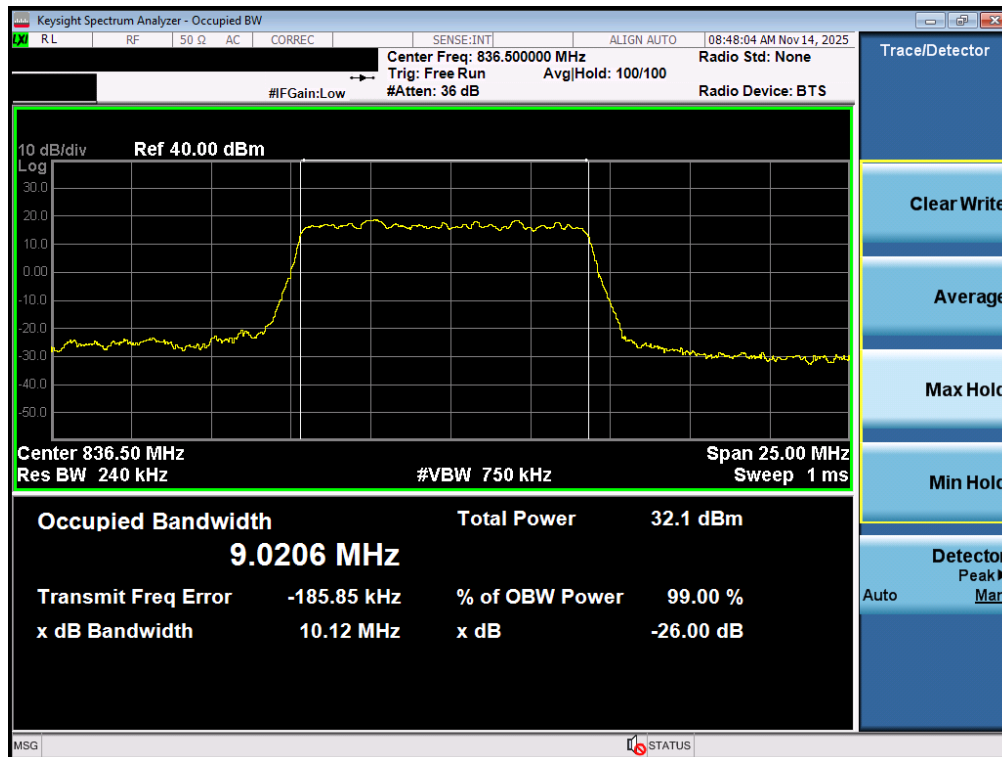


Plot 7-40. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz QPSK - Full RB - Ant2)

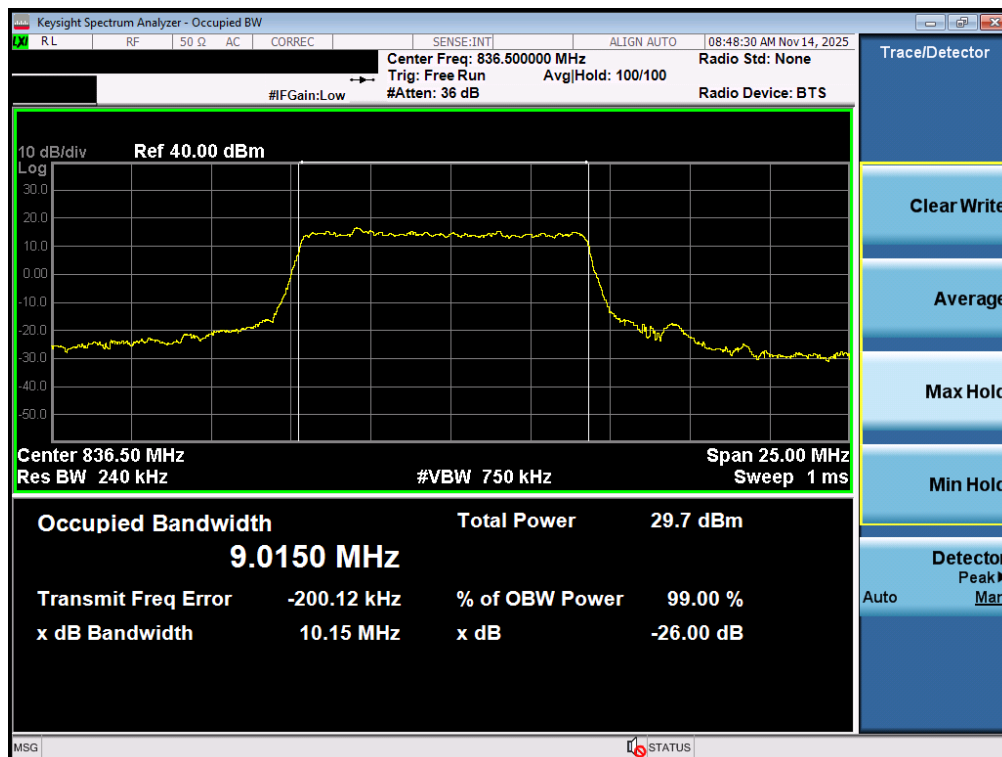


Plot 7-41. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz 16-QAM - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 42 of 162                    |



Plot 7-42. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz  $\pi/2$  BPSK - Full RB - Ant2)



Plot 7-43. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz QPSK - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 43 of 162                    |

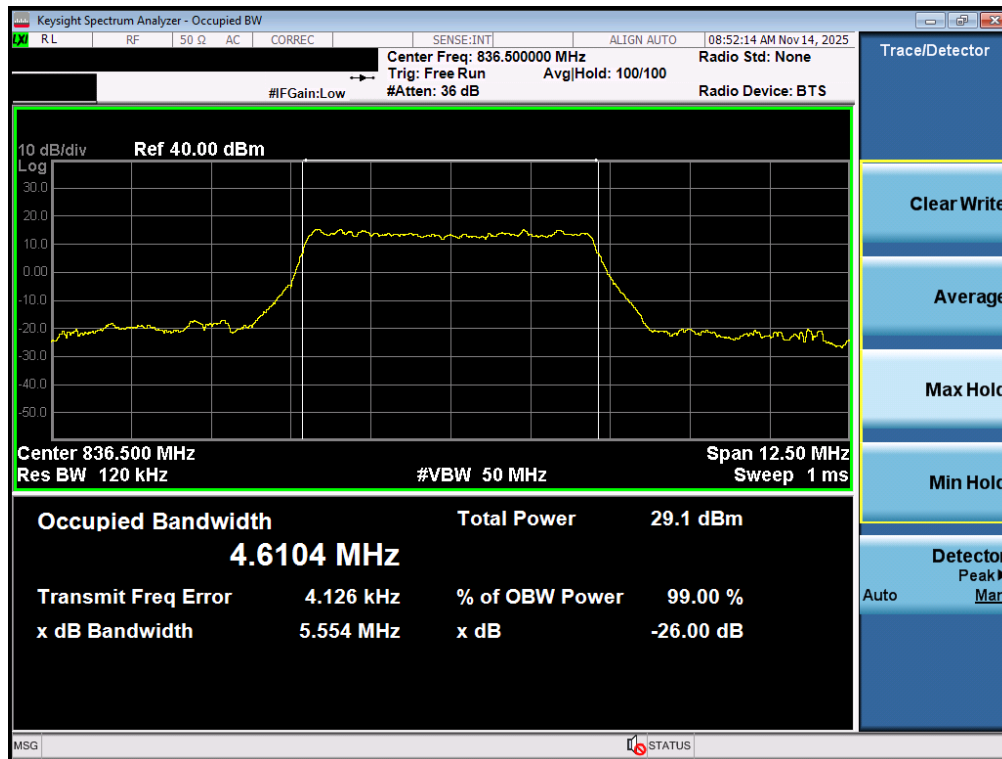


Plot 7-44. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz 16-QAM - Full RB - Ant2)



Plot 7-45. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz  $\pi/2$  BPSK - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 44 of 162                    |



Plot 7-46. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz QPSK - Full RB - Ant2)



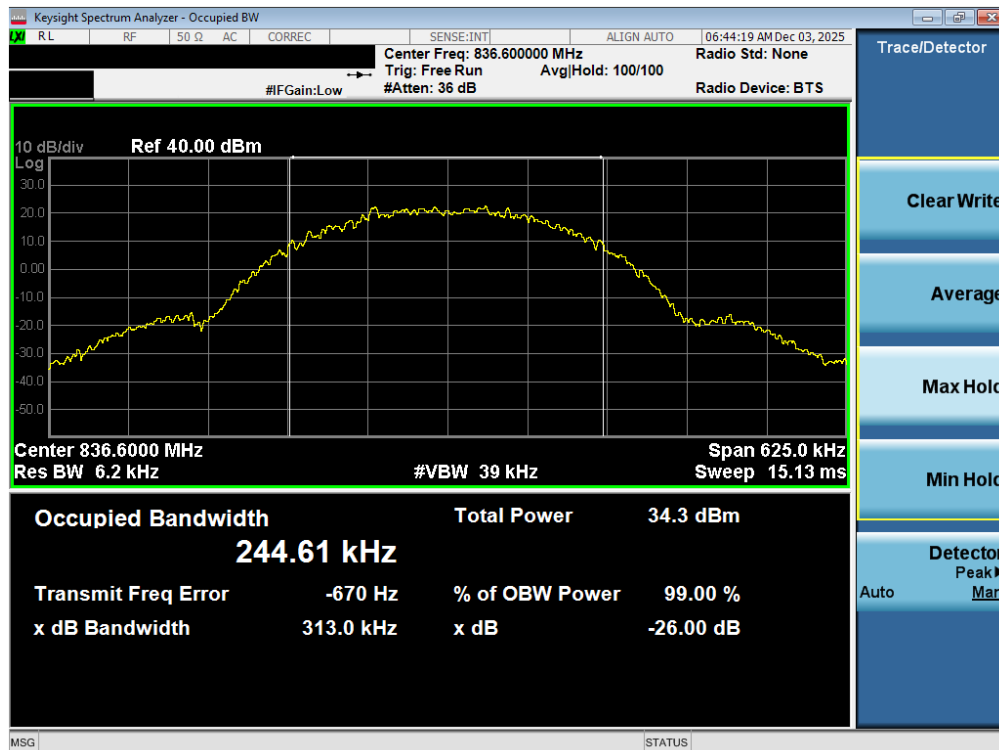
Plot 7-47. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz 16-QAM - Full RB - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 45 of 162                    |

## GPRS Cell – Ant2



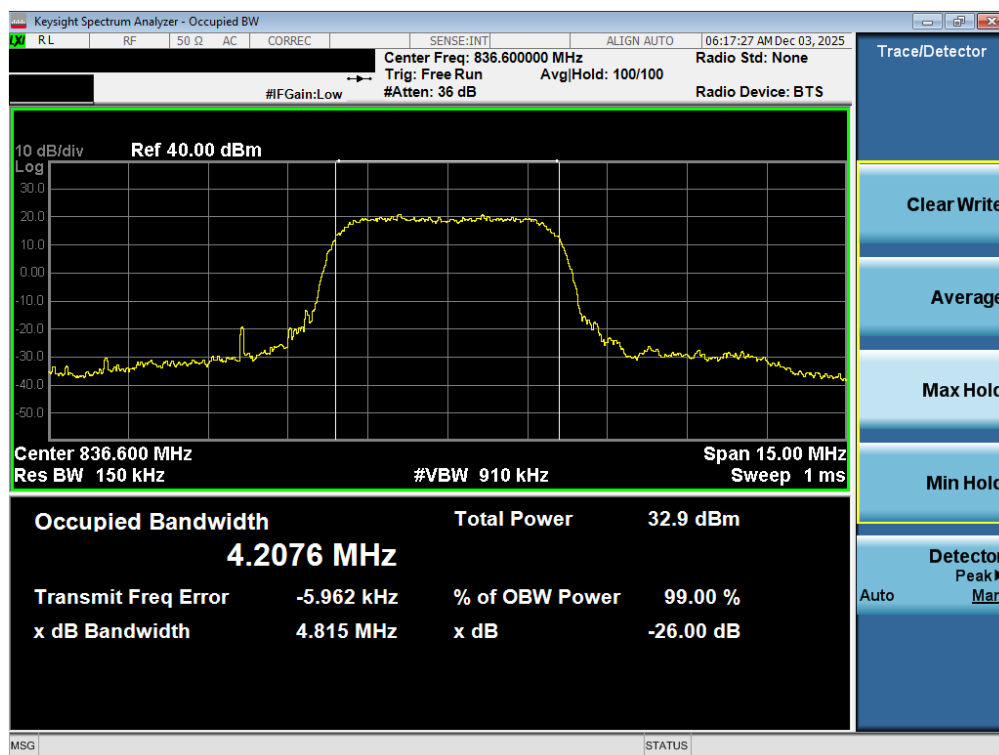
Plot 7-48. Occupied Bandwidth Plot (GPRS, Ch. 190 – Ant2)



Plot 7-49. Occupied Bandwidth Plot (EDGE, Ch. 190 – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 46 of 162                    |

## WCDMA Cell – Ant2



Plot 7-50. Occupied Bandwidth Plot (WCDMA, Ch. 4183 – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 47 of 162                    |

## 7.4 Spurious and Harmonic Emissions at Antenna Terminal

### Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10<sup>th</sup> harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

***The minimum permissible attenuation level of any spurious emission is  $43 + 10 \log_{10}(P_{\text{Watts}})$ , where  $P$  is the transmitter power in Watts.***

### Test Procedure Used

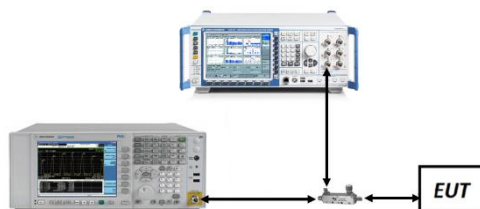
ANSI C63.26:2015 – Section 5.7.4

### Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 10GHz (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



**Figure 7-3. Test Instrument & Measurement Setup**

### Test Notes

1. Per Part 22 and RSS-132, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

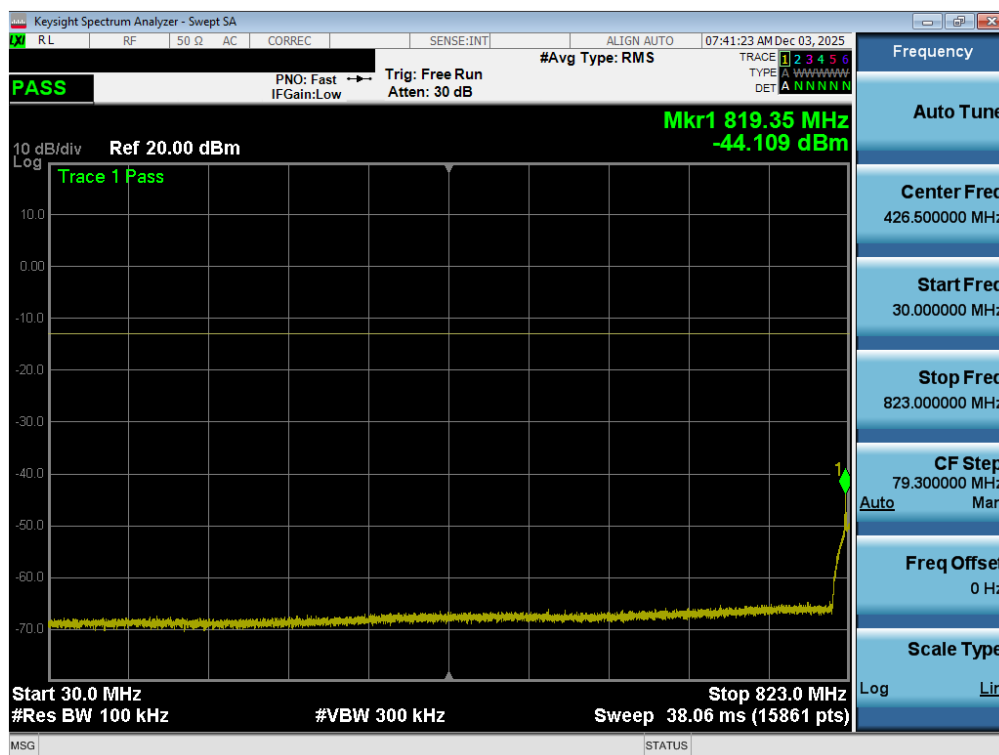
|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 48 of 162                    |

| Mode       | Bandwidth | Channel | Range [MHz]      | Level [dBm] | Limit [dBm] | Margin [dB] |
|------------|-----------|---------|------------------|-------------|-------------|-------------|
| GSM-Cell   | 250kHz    | Low     | 30.0 - 823.0     | -37.74      | -13.0       | -24.74      |
|            |           | Low     | 849.0 - 1000.0   | -54.58      | -13.0       | -41.58      |
|            |           | Low     | 1000.0 - 10000.0 | -30.58      | -13.0       | -17.58      |
|            |           | Mid     | 30.0 - 824.0     | -54.74      | -13.0       | -41.74      |
|            |           | Mid     | 849.0 - 1000.0   | -55.30      | -13.0       | -42.30      |
|            |           | Mid     | 1000.0 - 10000.0 | -30.65      | -13.0       | -17.65      |
|            |           | High    | 30.0 - 824.0     | -55.42      | -13.0       | -42.42      |
|            |           | High    | 850.0 - 1000.0   | -33.97      | -13.0       | -20.97      |
|            |           | High    | 1000.0 - 10000.0 | -30.25      | -13.0       | -17.25      |
| WCDMA-Cell | 5MHz      | Low     | 30.0 - 823.0     | -34.71      | -13.0       | -21.71      |
|            |           | Low     | 849.0 - 1000.0   | -64.37      | -13.0       | -51.37      |
|            |           | Low     | 1000.0 - 10000.0 | -38.94      | -13.0       | -25.94      |
|            |           | Mid     | 30.0 - 824.0     | -57.00      | -13.0       | -44.00      |
|            |           | Mid     | 849.0 - 1000.0   | -57.36      | -13.0       | -44.36      |
|            |           | Mid     | 1000.0 - 10000.0 | -38.95      | -13.0       | -25.95      |
|            |           | High    | 30.0 - 824.0     | -61.68      | -13.0       | -48.68      |
|            |           | High    | 850.0 - 1000.0   | -39.47      | -13.0       | -26.47      |
|            |           | High    | 1000.0 - 10000.0 | -38.67      | -13.0       | -25.67      |
| LTE-B26-5  | 15MHz     | Low     | 30.0 - 823.0     | -44.11      | -13.0       | -31.11      |
|            |           | Low     | 849.0 - 1000.0   | -58.06      | -13.0       | -45.06      |
|            |           | Low     | 1000.0 - 10000.0 | -39.08      | -13.0       | -26.08      |
|            |           | Mid     | 30.0 - 824.0     | -47.04      | -13.0       | -34.04      |
|            |           | Mid     | 849.0 - 1000.0   | -49.25      | -13.0       | -36.25      |
|            |           | Mid     | 1000.0 - 10000.0 | -38.67      | -13.0       | -25.67      |
|            |           | High    | 30.0 - 824.0     | -49.51      | -13.0       | -36.51      |
|            |           | High    | 850.0 - 1000.0   | -50.69      | -13.0       | -37.69      |
|            |           | High    | 1000.0 - 10000.0 | -38.77      | -13.0       | -25.77      |
| NR-n26-5   | 20MHz     | Low     | 30.0 - 824.0     | -62.23      | -13.0       | -49.23      |
|            |           | Low     | 849.0 - 1000.0   | -65.32      | -13.0       | -52.32      |
|            |           | Low     | 1000.0 - 10000.0 | -56.03      | -13.0       | -43.03      |
|            |           | Mid     | 30.0 - 824.0     | -65.70      | -13.0       | -52.70      |
|            |           | Mid     | 849.0 - 1000.0   | -63.19      | -13.0       | -50.19      |
|            |           | Mid     | 1000.0 - 10000.0 | -56.10      | -13.0       | -43.10      |
|            |           | High    | 30.0 - 824.0     | -67.57      | -13.0       | -54.57      |
|            |           | High    | 849.0 - 1000.0   | -59.41      | -13.0       | -46.41      |
|            |           | High    | 1000.0 - 10000.0 | -55.72      | -13.0       | -42.72      |

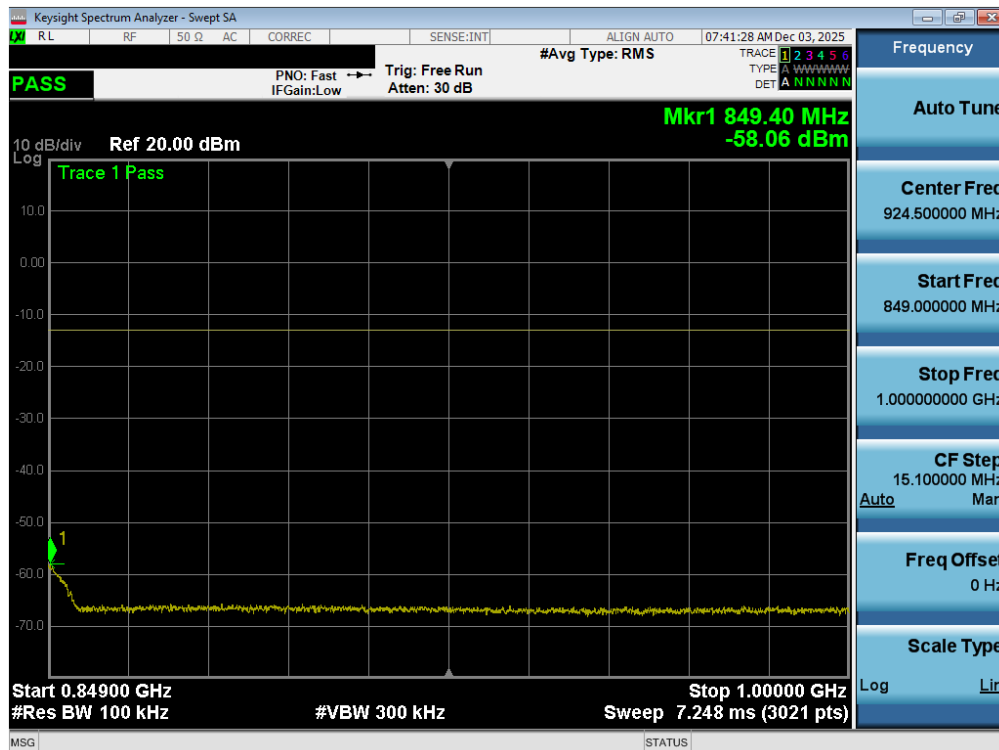
**Table 7-6. Conducted Emission Test Results - Ant1**

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 49 of 162                    |

## LTE Band 26/5 – Ant1

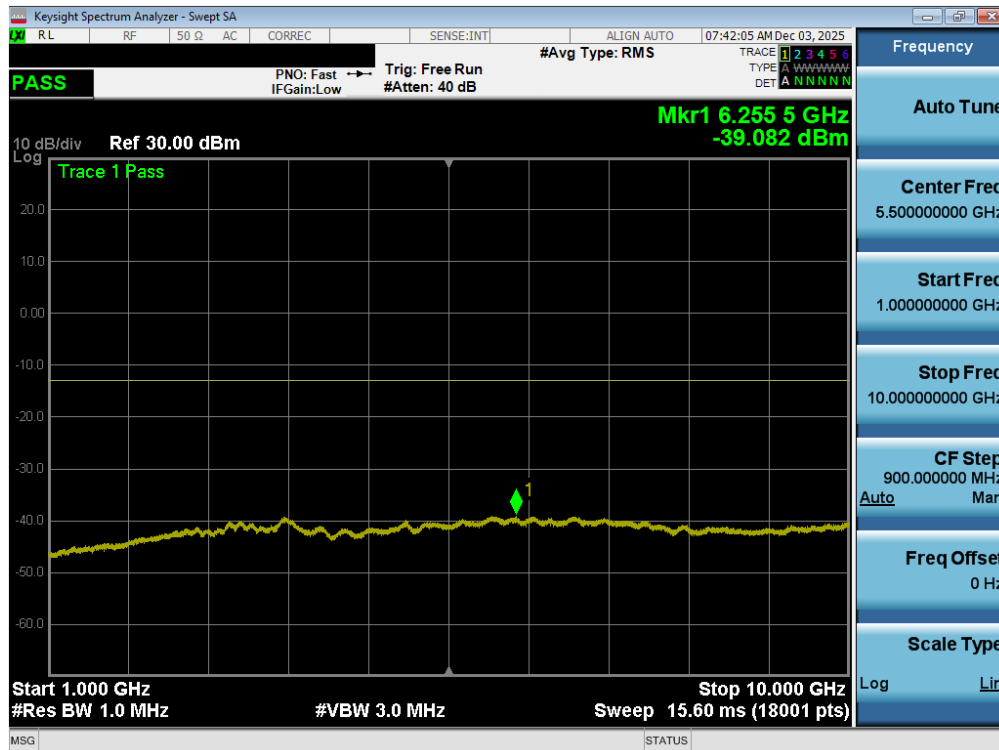


Plot 7-51. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK – 1 RB - Low Channel – Ant1)

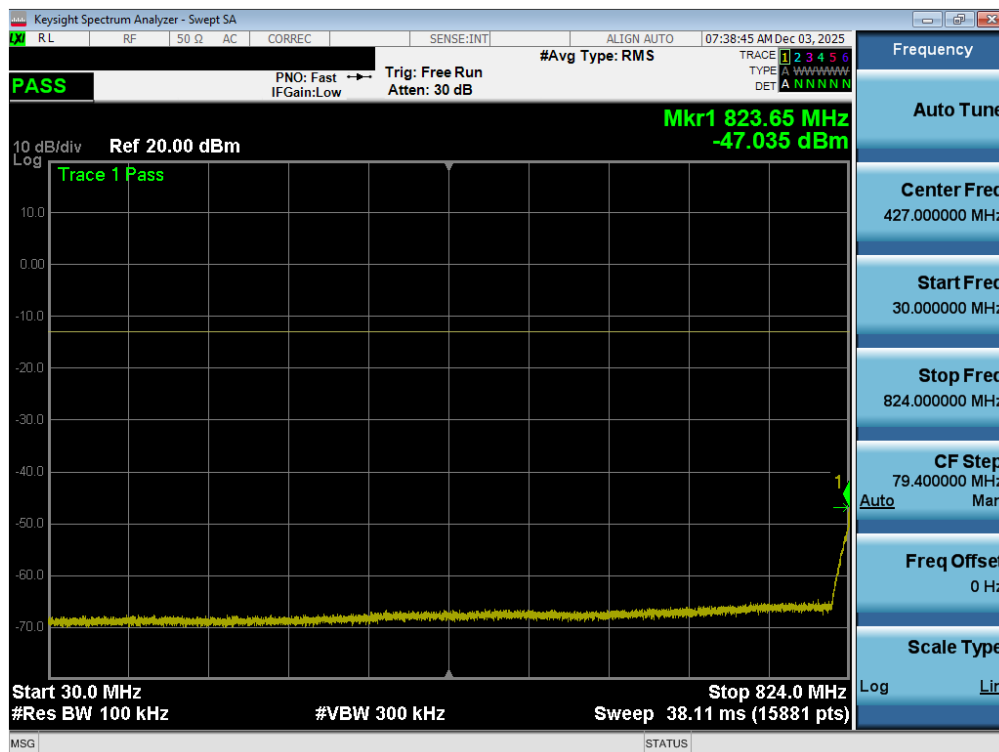


Plot 7-52. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Low Channel – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 50 of 162                    |

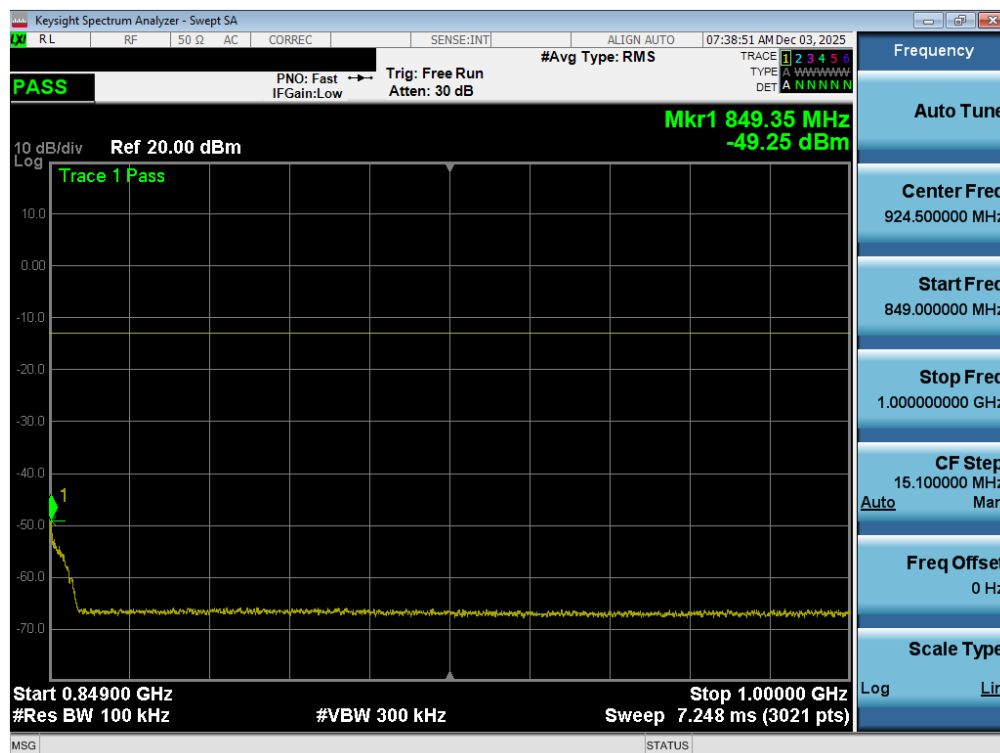


Plot 7-53. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Low Channel – Ant1)

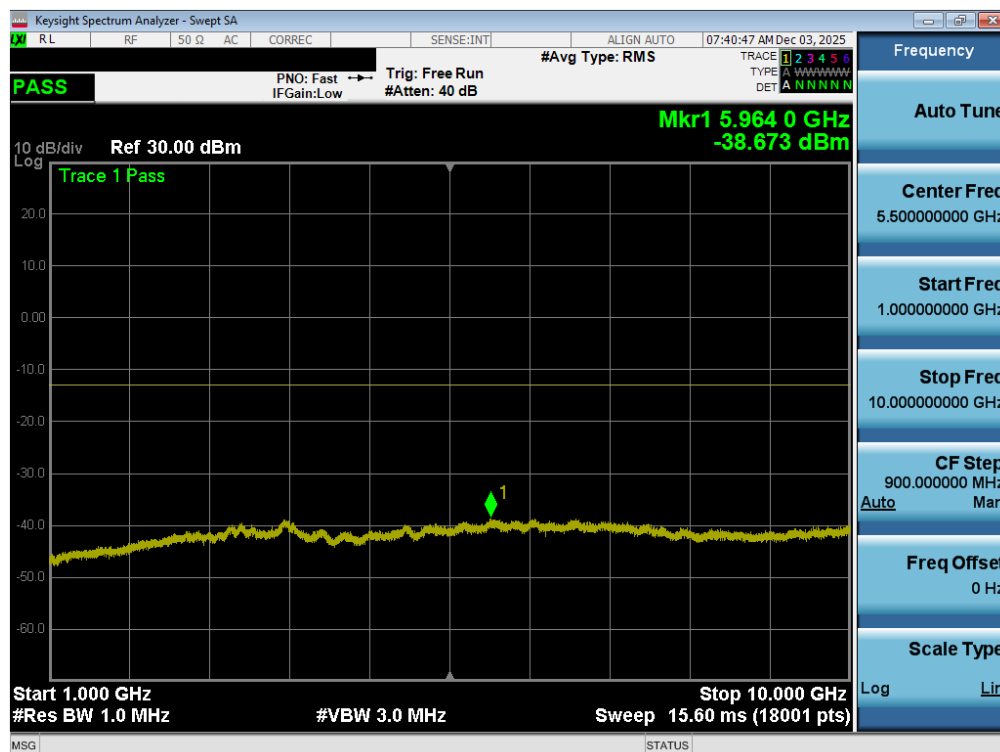


Plot 7-54. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Mid Channel – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 51 of 162                    |

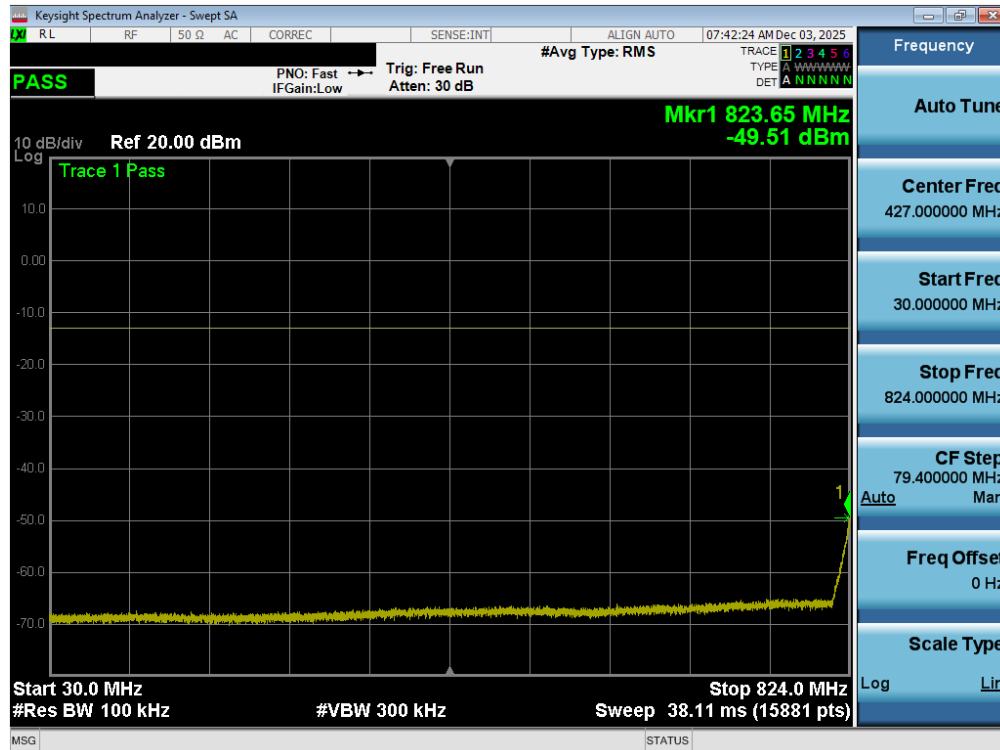


Plot 7-55. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Mid Channel – Ant1)

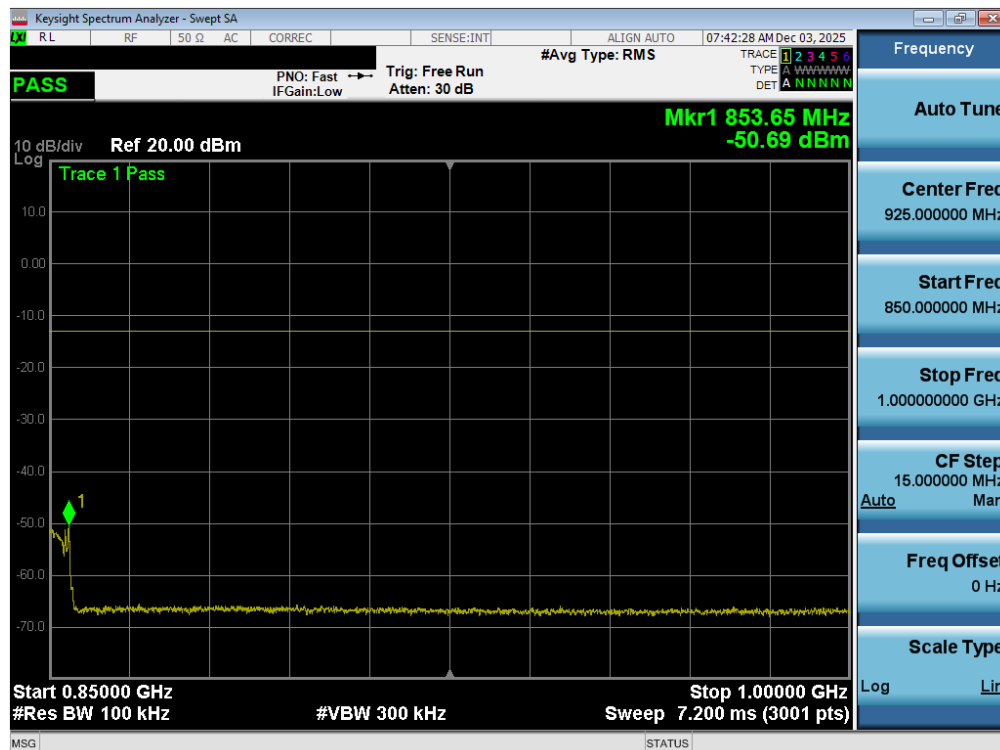


Plot 7-56. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Mid Channel – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 52 of 162                    |

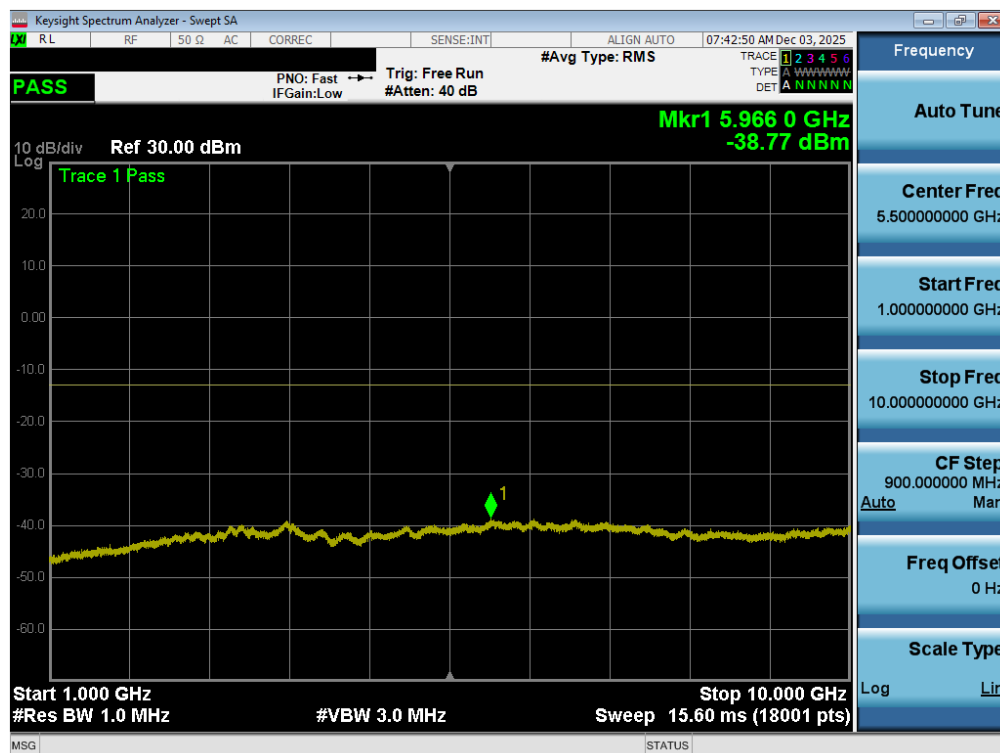


Plot 7-57. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - High Channel – Ant1)



Plot 7-58. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - High Channel – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 53 of 162                    |



Plot 7-59. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - High Channel – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 54 of 162                    |

## NR Band n26/5 – Ant1

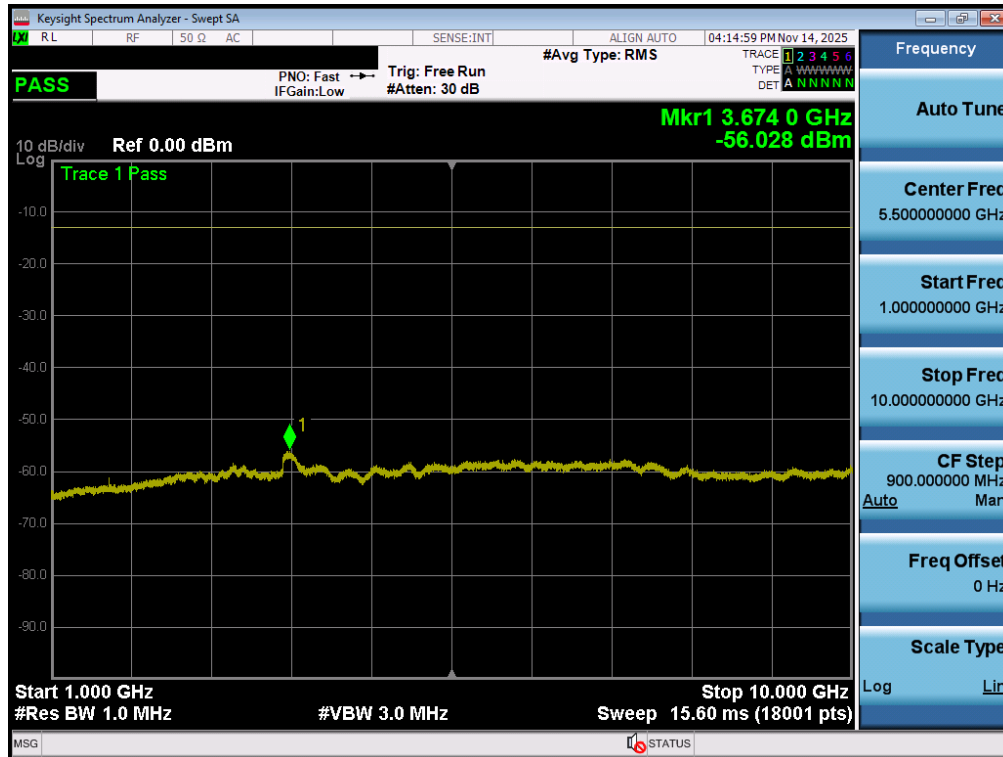


Plot 7-60. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Low Channel - Ant1)



Plot 7-61. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Low Channel - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 55 of 162                    |

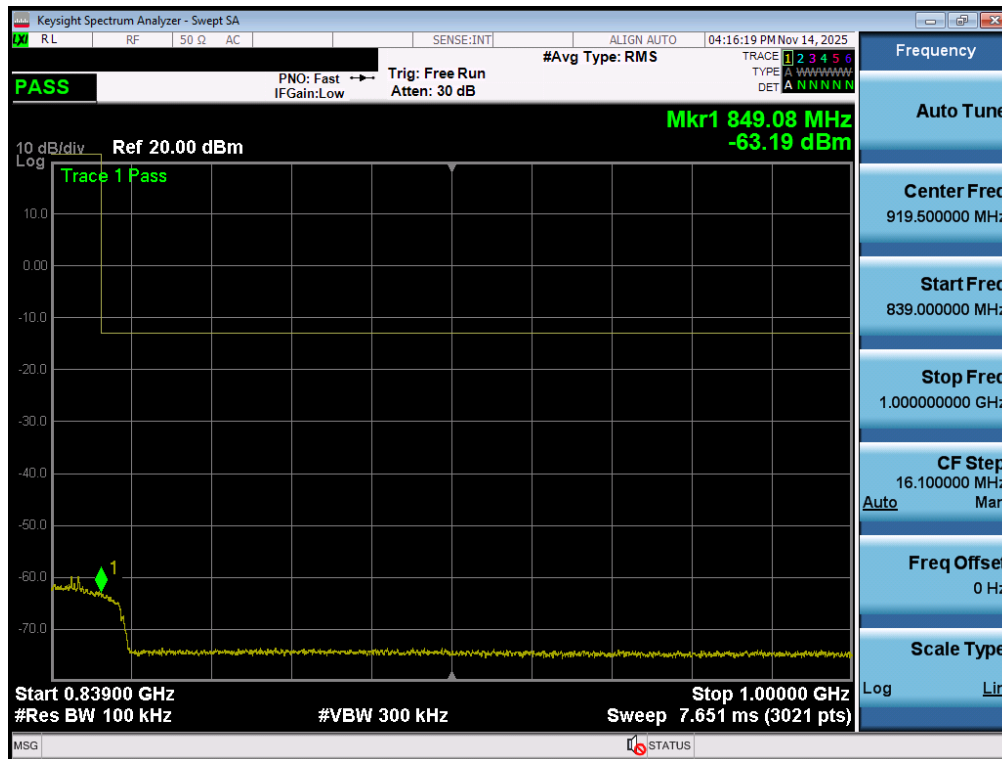


Plot 7-62. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Low Channel - Ant1)

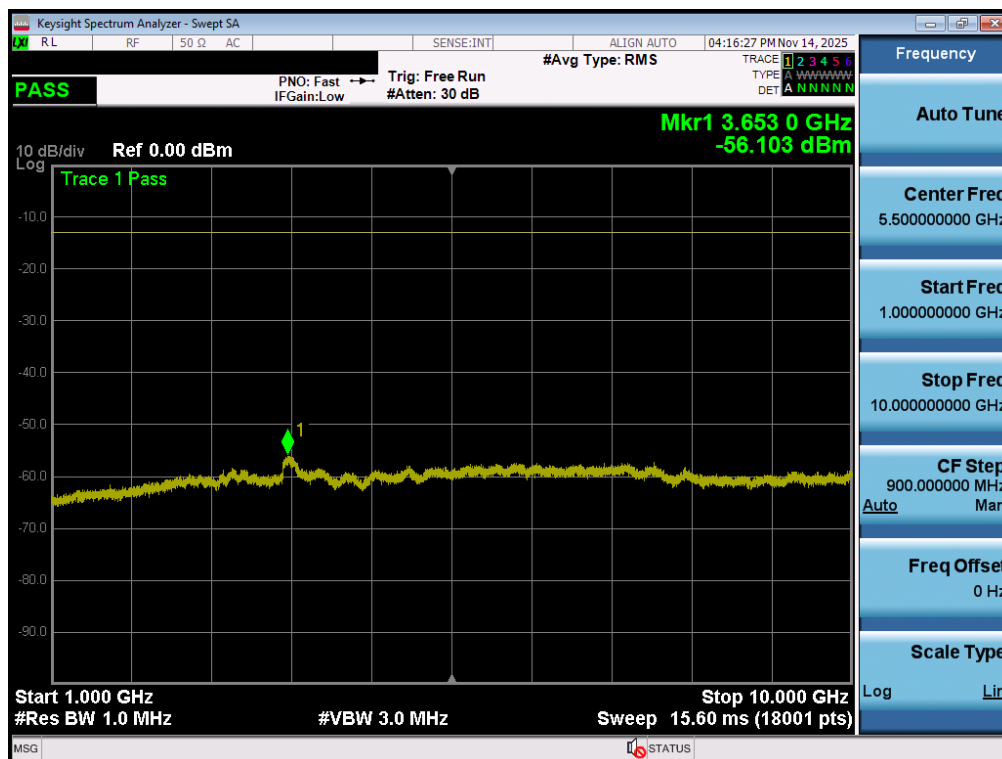


Plot 7-63. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Mid Channel - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 56 of 162                    |

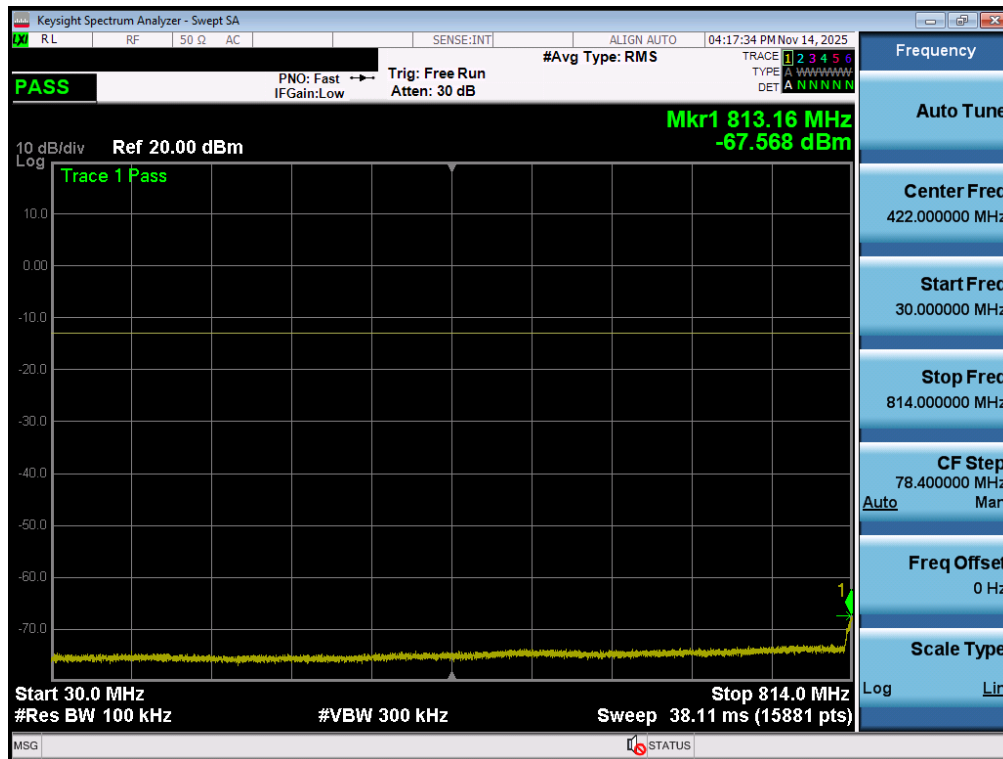


Plot 7-64. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Mid Channel - Ant1)



Plot 7-65. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Mid Channel - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 57 of 162                    |

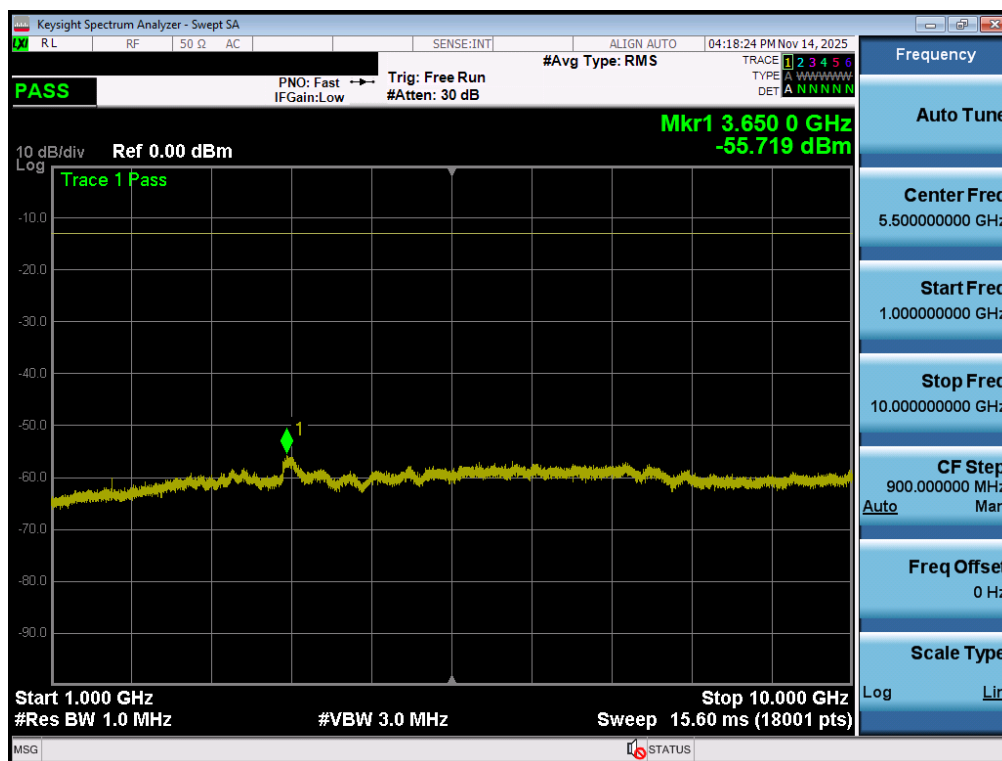


Plot 7-66. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - High Channel - Ant1)



Plot 7-67. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - High Channel - Ant1)

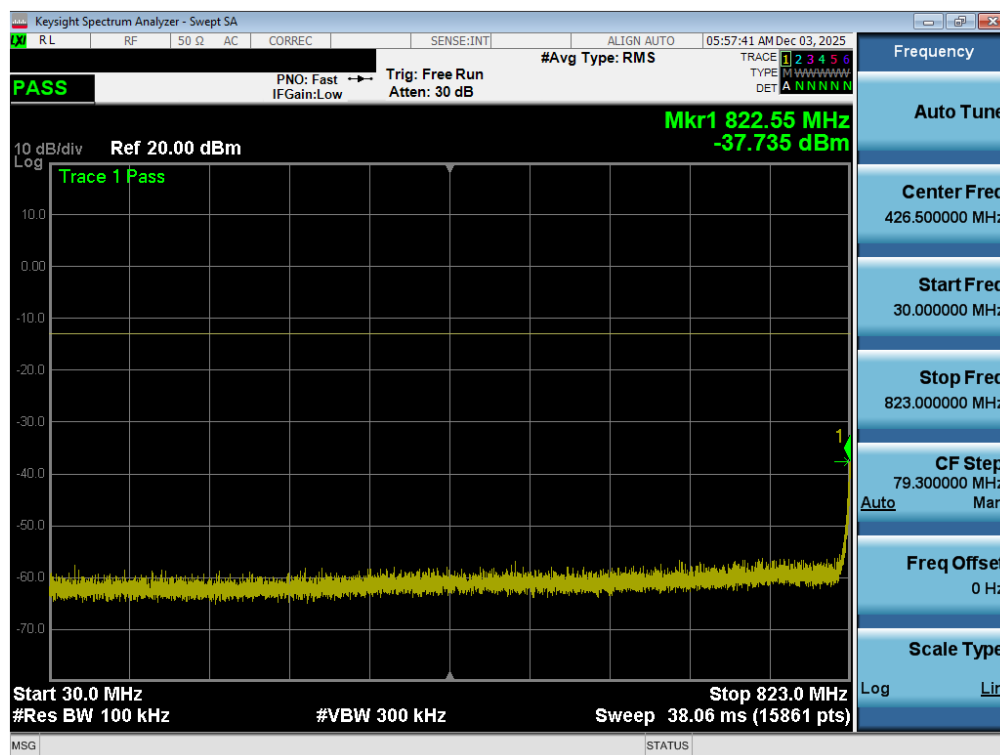
|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 58 of 162                    |



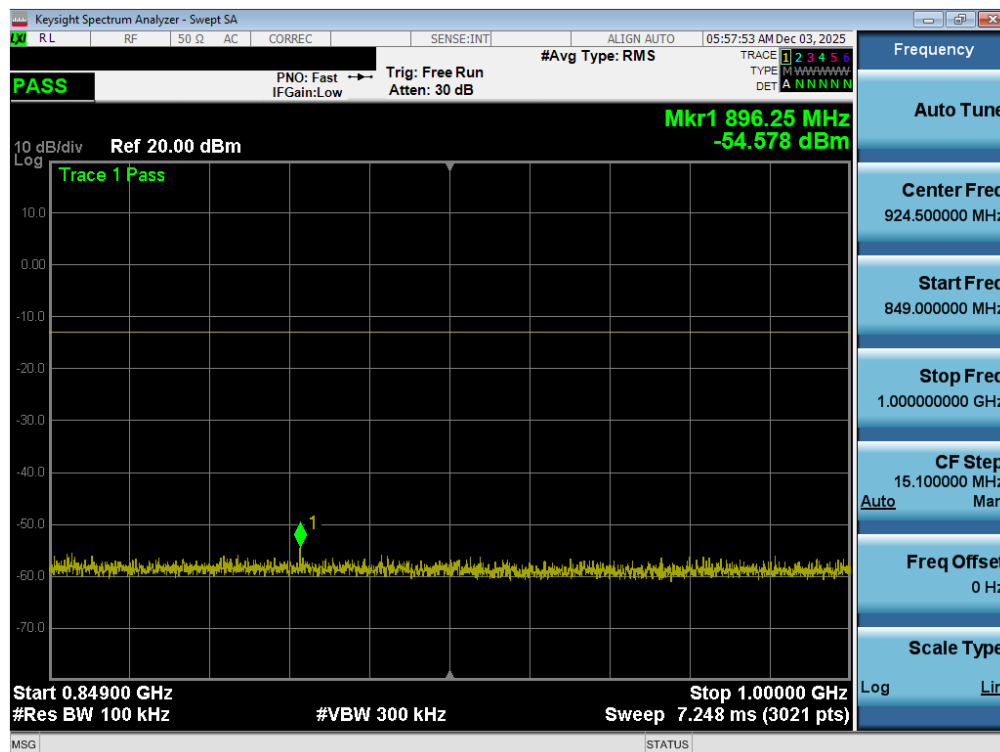
Plot 7-68. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - High Channel - Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 59 of 162                    |

## GSM/GPRS Cell – Ant1

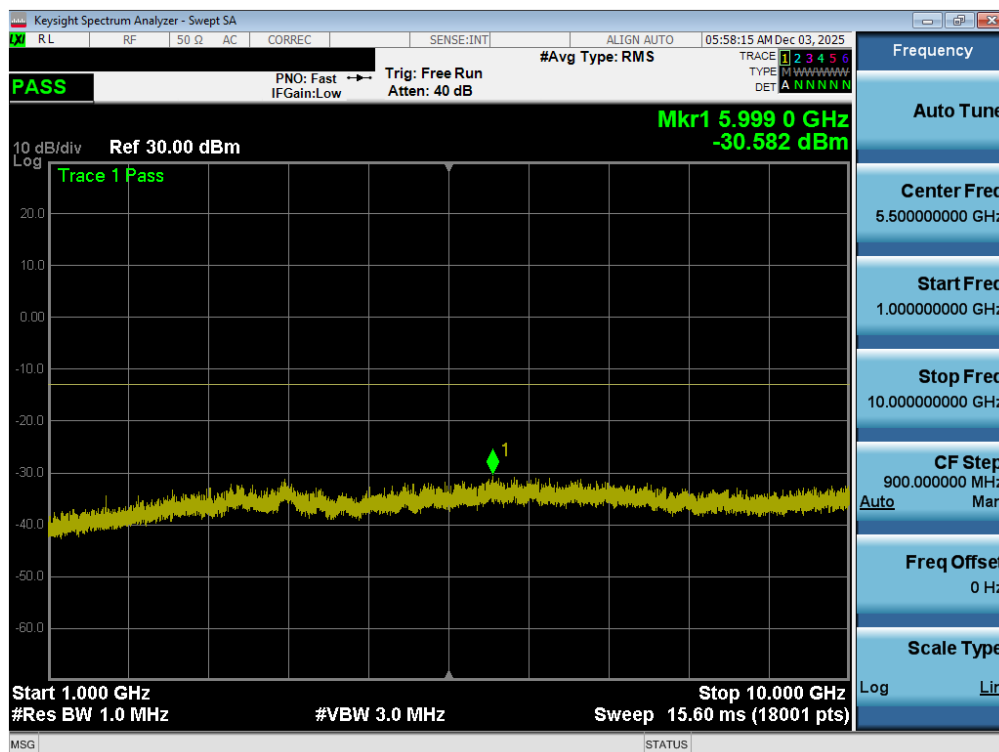


Plot 7-69. Conducted Spurious Plot (GPRS Ch. 128 – Ant1)

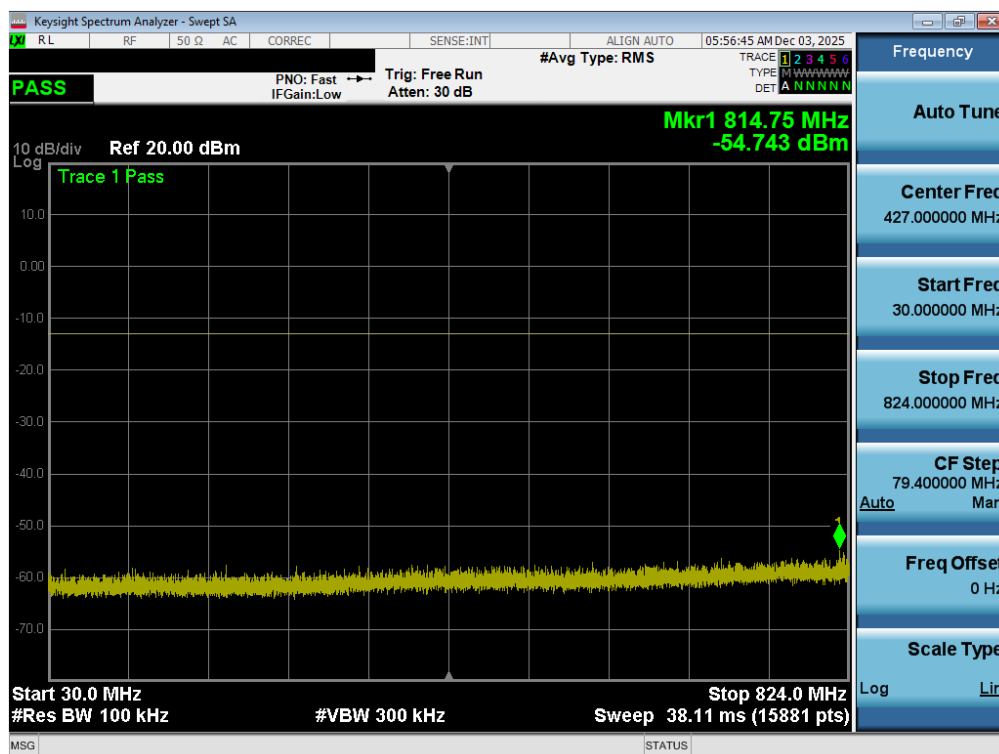


Plot 7-70. Conducted Spurious Plot (GPRS Ch. 128 – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 60 of 162                    |

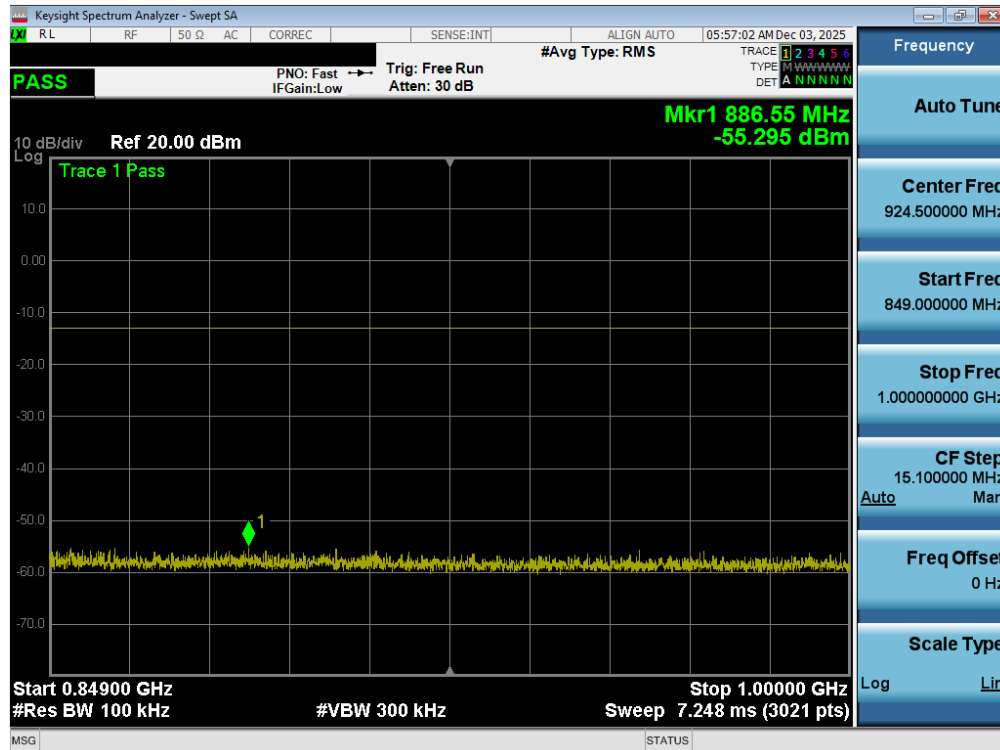


Plot 7-71. Conducted Spurious Plot (GPRS Ch. 128 – Ant1)

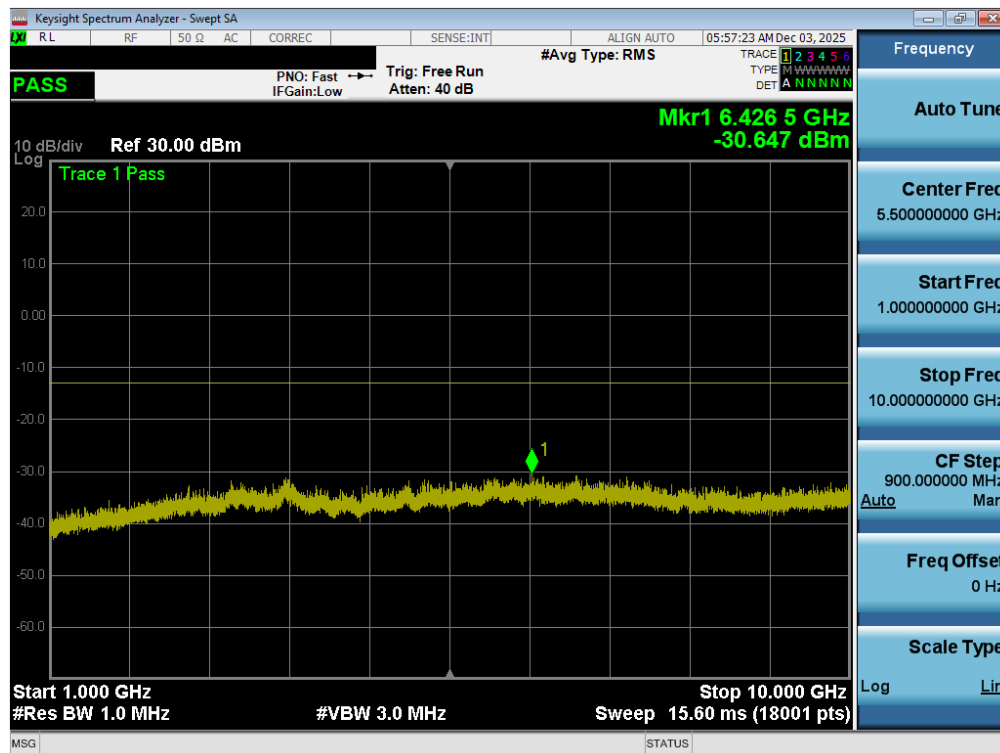


Plot 7-72. Conducted Spurious Plot (GPRS Ch. 190 – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 61 of 162                    |

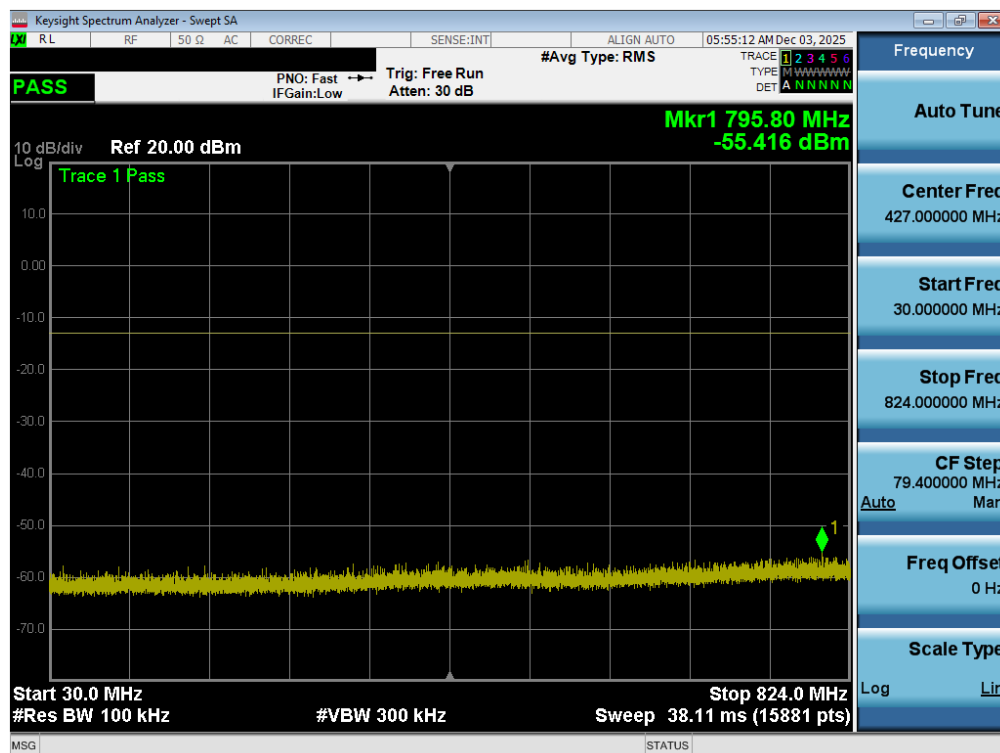


Plot 7-73. Conducted Spurious Plot (GPRS Ch. 190 – Ant1)

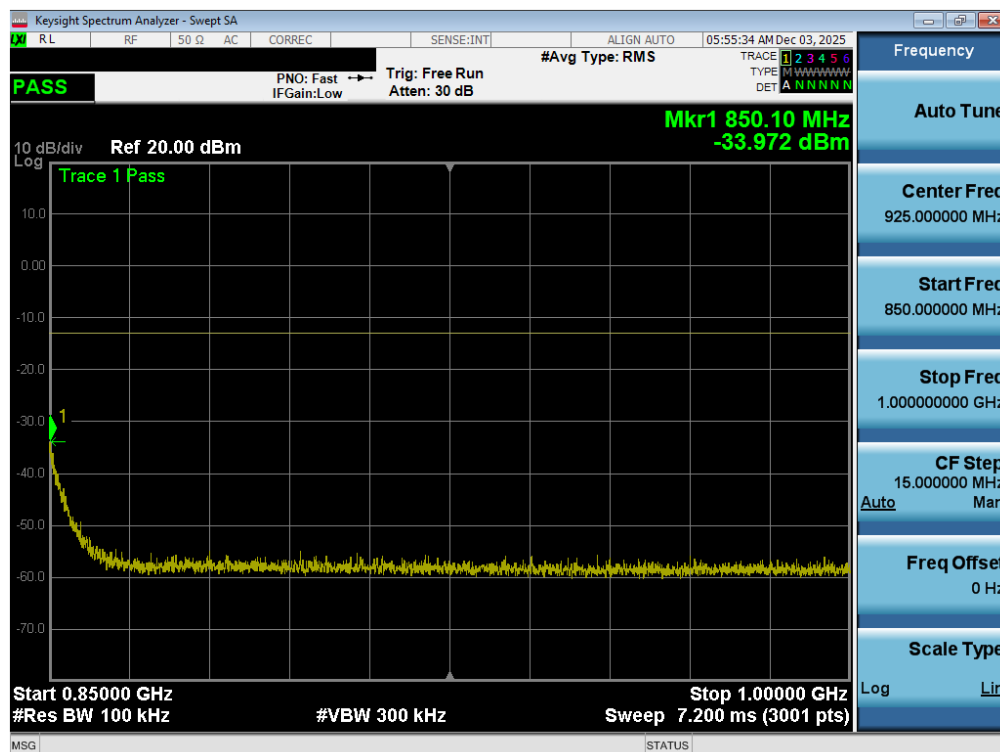


Plot 7-74. Conducted Spurious Plot (GPRS Ch. 190 – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 62 of 162                    |

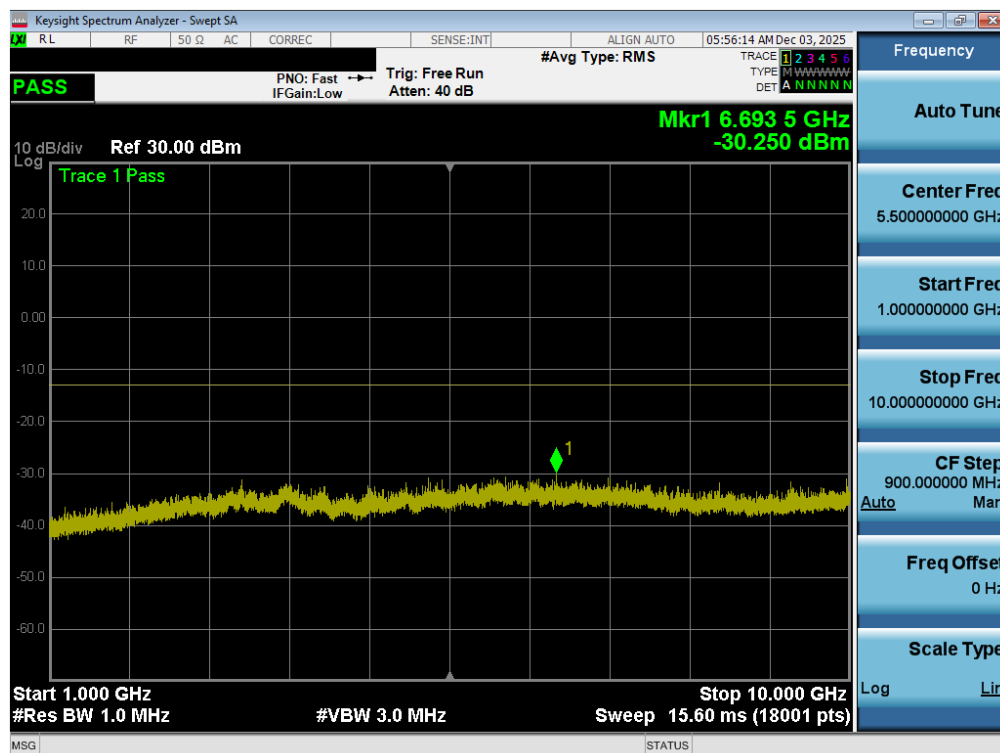


Plot 7-75. Conducted Spurious Plot (GPRS Ch. 251 – Ant1)



Plot 7-76. Conducted Spurious Plot (GPRS Ch. 251 – Ant1)

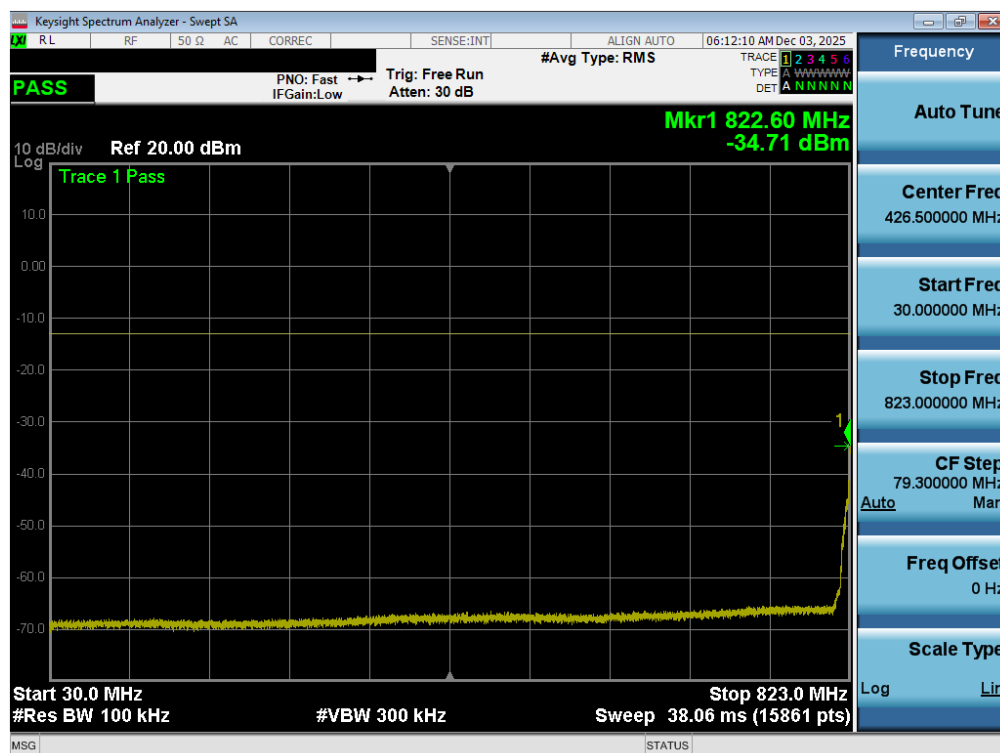
|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 63 of 162                    |



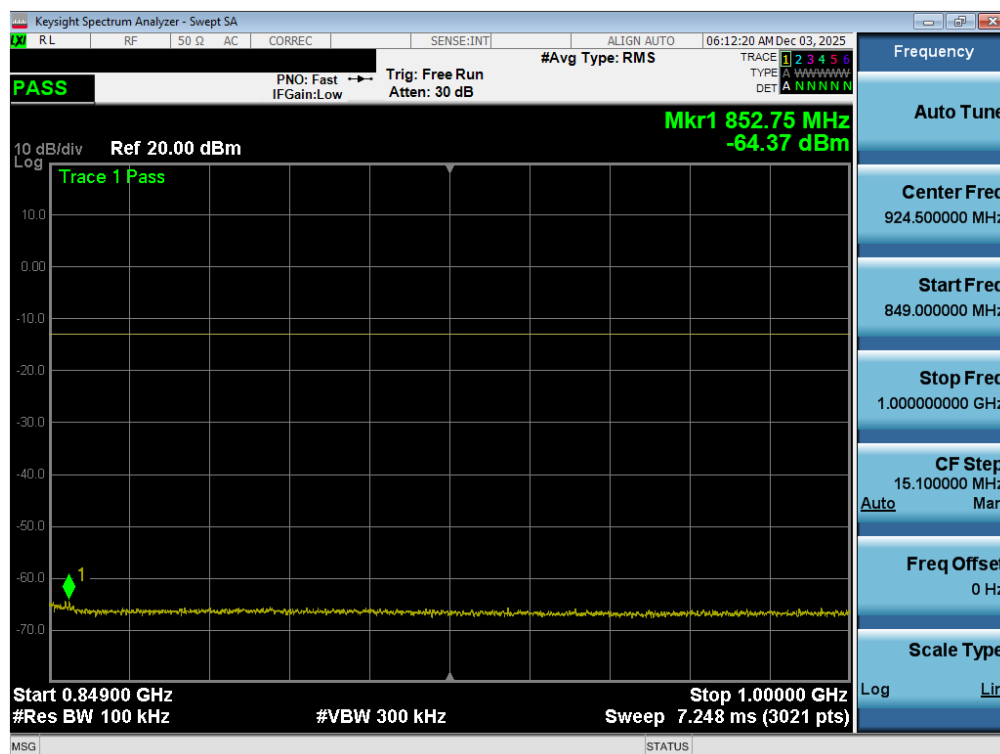
Plot 7-77. Conducted Spurious Plot (GPRS Ch. 251 – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 64 of 162                    |

## WCDMA Cell – Ant1

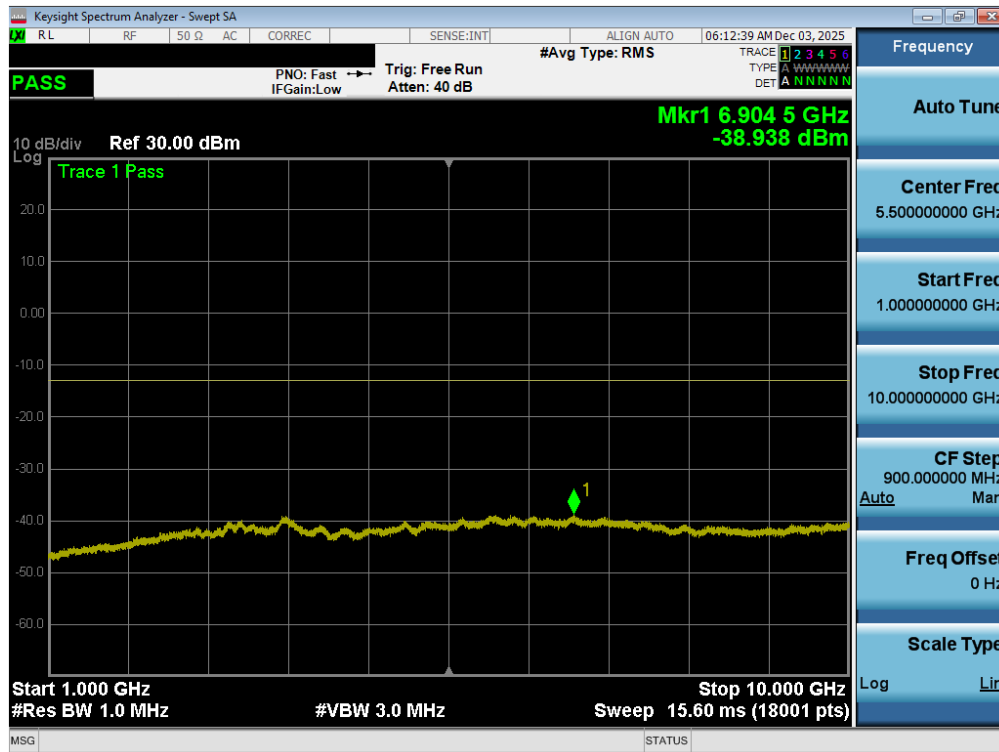


Plot 7-78. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant1)

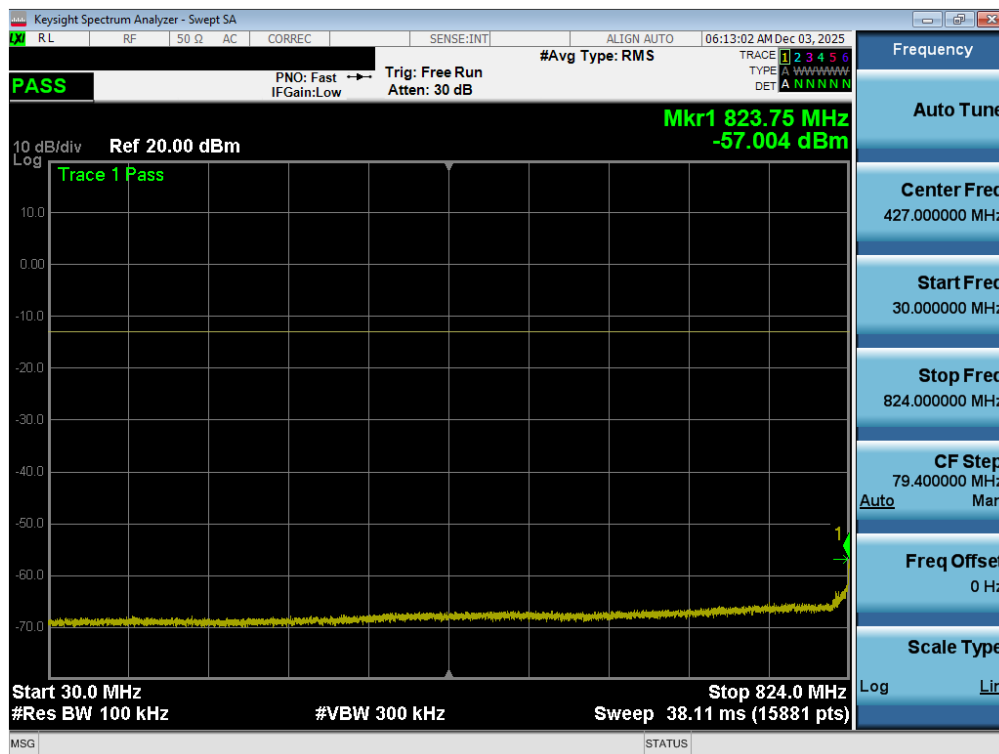


Plot 7-79. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 65 of 162                    |

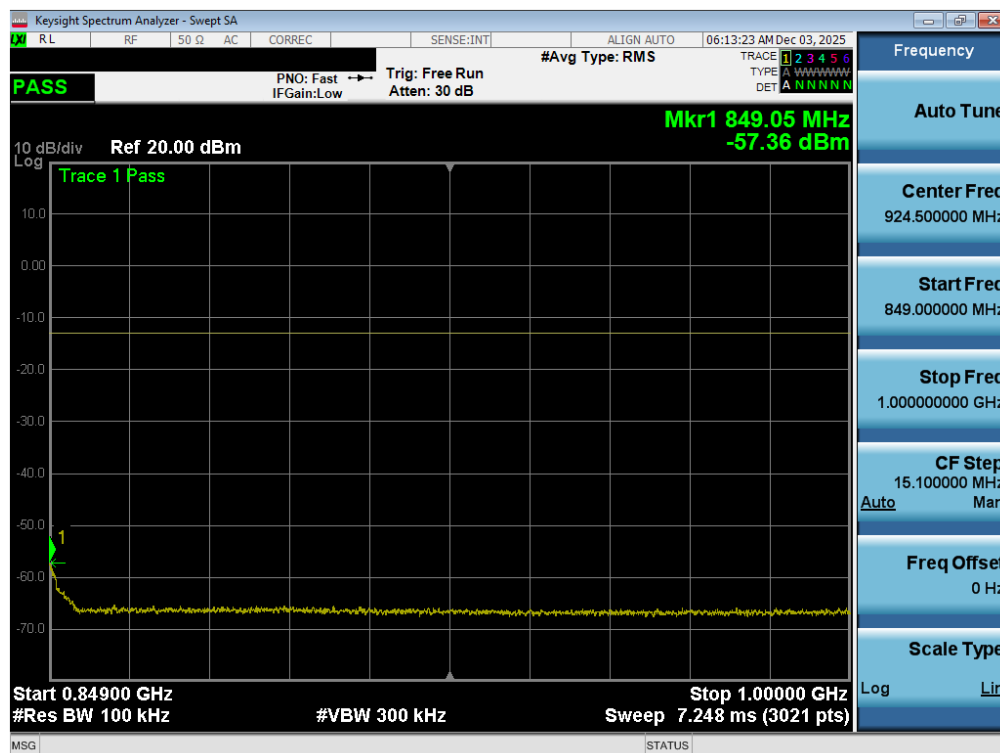


Plot 7-80. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant1)

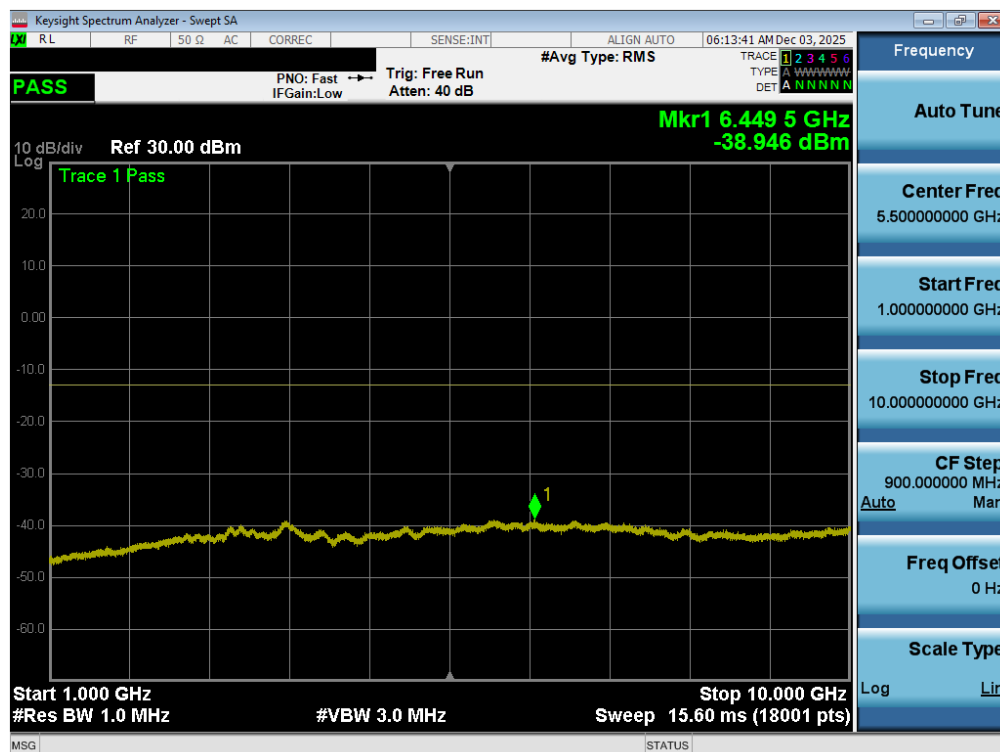


Plot 7-81. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 66 of 162                    |

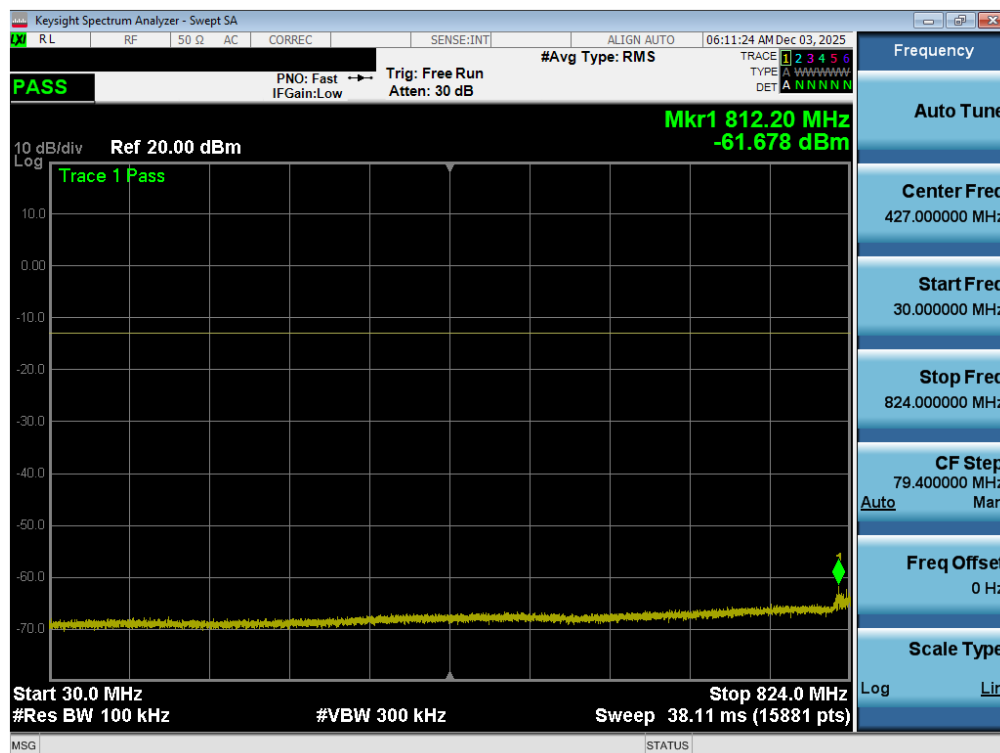


Plot 7-82. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant1)

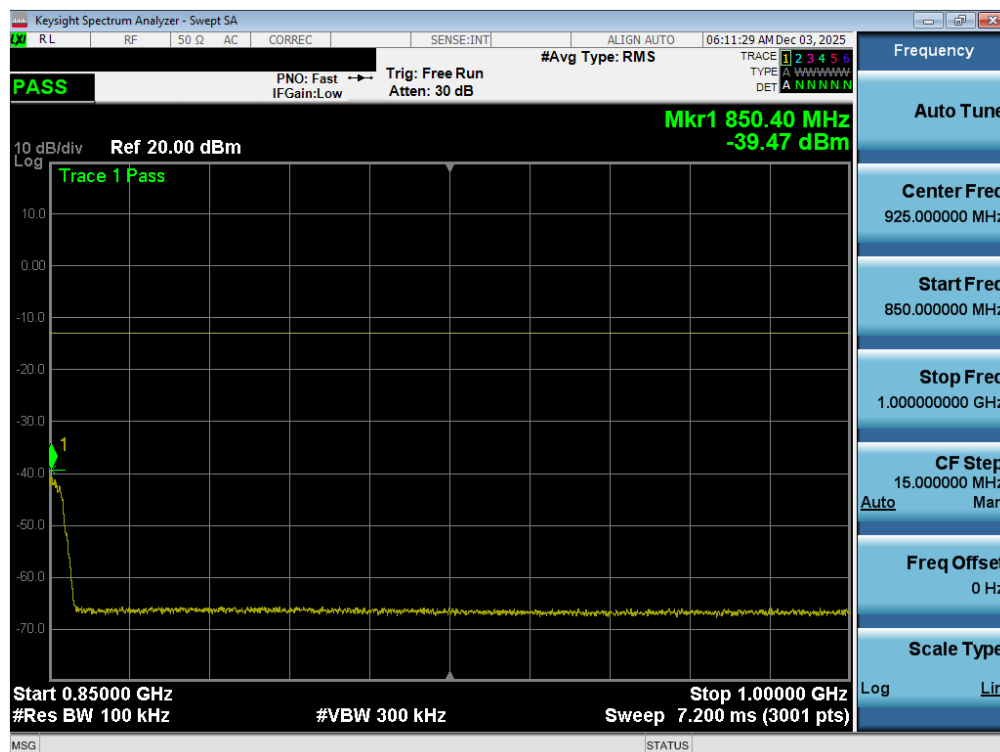


Plot 7-83. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 67 of 162                    |

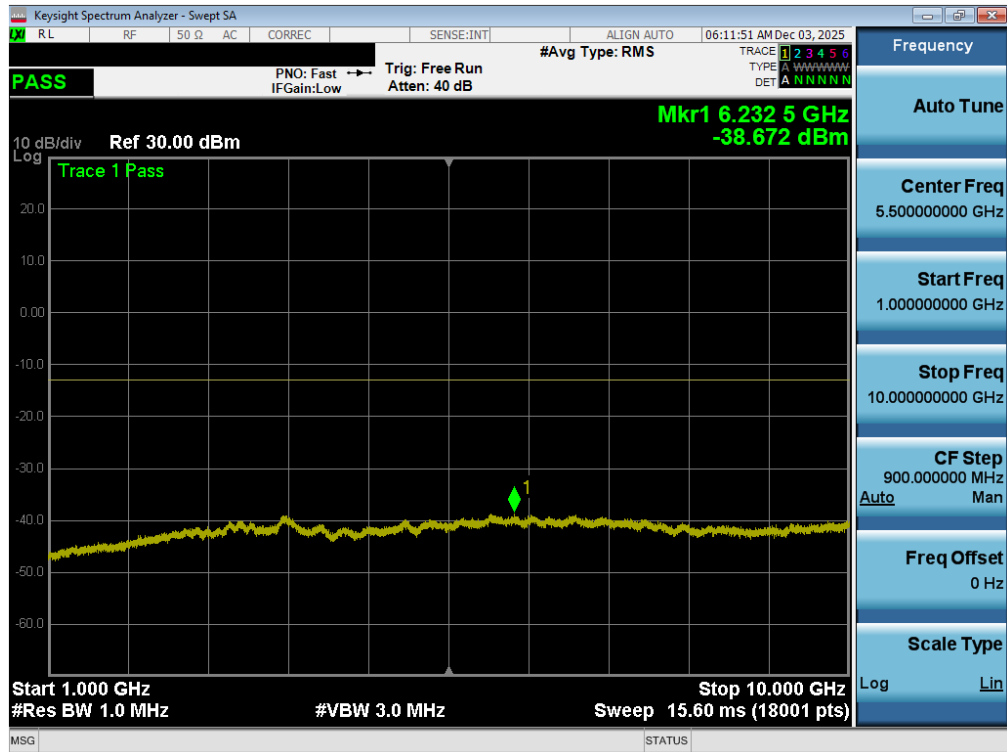


Plot 7-84. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant1)



Plot 7-85. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant1)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 68 of 162                    |



Plot 7-86. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant1)

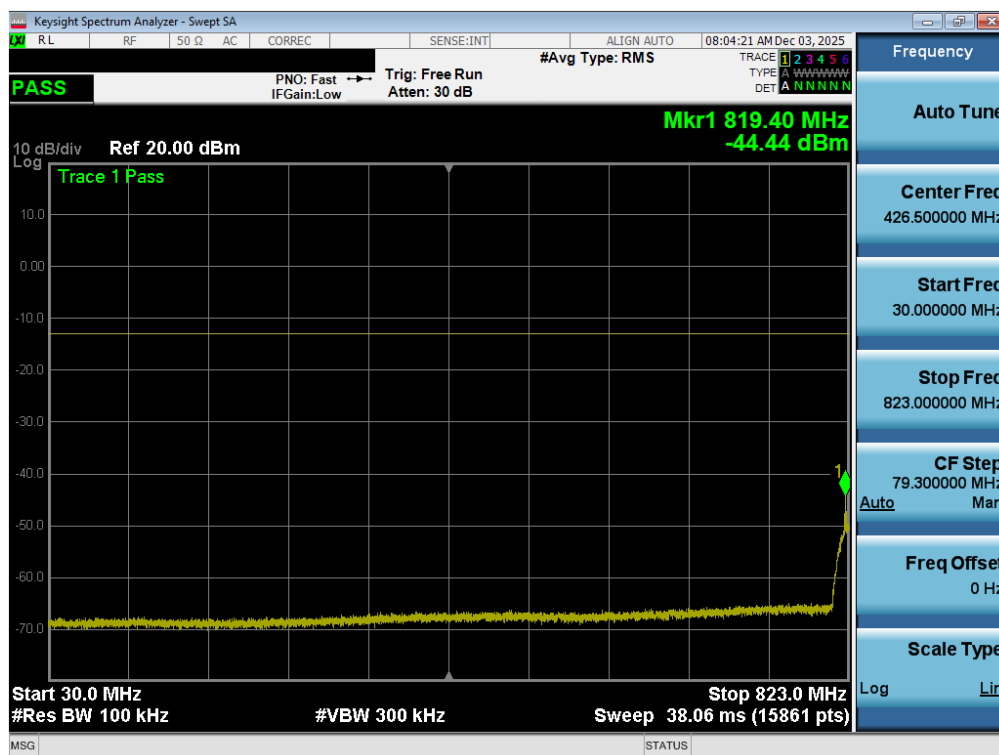
|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 69 of 162                    |

| Mode       | Bandwidth | Channel | Range [MHz]      | Level [dBm] | Limit [dBm] | Margin [dB] |
|------------|-----------|---------|------------------|-------------|-------------|-------------|
| GSM-Cell   | 250kHz    | Low     | 30.0 - 823.0     | -36.97      | -13.0       | -23.97      |
|            |           | Low     | 849.0 - 1000.0   | -55.78      | -13.0       | -42.78      |
|            |           | Low     | 1000.0 - 10000.0 | -30.80      | -13.0       | -17.80      |
|            |           | Mid     | 30.0 - 824.0     | -46.06      | -13.0       | -33.06      |
|            |           | Mid     | 849.0 - 1000.0   | -55.48      | -13.0       | -42.48      |
|            |           | Mid     | 1000.0 - 10000.0 | -30.31      | -13.0       | -17.31      |
|            |           | High    | 30.0 - 824.0     | -45.36      | -13.0       | -32.36      |
|            |           | High    | 850.0 - 1000.0   | -36.55      | -13.0       | -23.55      |
|            |           | High    | 1000.0 - 10000.0 | -30.89      | -13.0       | -17.89      |
| WCDMA-Cell | 5MHz      | Low     | 30.0 - 823.0     | -34.92      | -13.0       | -21.92      |
|            |           | Low     | 849.0 - 1000.0   | -64.26      | -13.0       | -51.26      |
|            |           | Low     | 1000.0 - 10000.0 | -38.91      | -13.0       | -25.91      |
|            |           | Mid     | 30.0 - 824.0     | -55.00      | -13.0       | -42.00      |
|            |           | Mid     | 849.0 - 1000.0   | -56.32      | -13.0       | -43.32      |
|            |           | Mid     | 1000.0 - 10000.0 | -38.86      | -13.0       | -25.86      |
|            |           | High    | 30.0 - 824.0     | -62.14      | -13.0       | -49.14      |
|            |           | High    | 850.0 - 1000.0   | -40.38      | -13.0       | -27.38      |
|            |           | High    | 1000.0 - 10000.0 | -39.19      | -13.0       | -26.19      |
| LTE-B26-5  | 15MHz     | Low     | 30.0 - 823.0     | -44.44      | -13.0       | -31.44      |
|            |           | Low     | 849.0 - 1000.0   | -59.19      | -13.0       | -46.19      |
|            |           | Low     | 1000.0 - 10000.0 | -38.72      | 13.0        | -51.72      |
|            |           | Mid     | 30.0 - 824.0     | -47.09      | -13.0       | -34.09      |
|            |           | Mid     | 849.0 - 1000.0   | -49.99      | -13.0       | -36.99      |
|            |           | Mid     | 1000.0 - 10000.0 | -38.88      | -13.0       | -25.88      |
|            |           | High    | 30.0 - 824.0     | -49.42      | -13.0       | -36.42      |
|            |           | High    | 850.0 - 1000.0   | -50.46      | -13.0       | -37.46      |
|            |           | High    | 1000.0 - 10000.0 | -38.75      | -13.0       | -25.75      |
| NR-n26-5   | 20MHz     | Low     | 30.0 - 824.0     | -48.62      | -13.0       | -35.62      |
|            |           | Low     | 849.0 - 1000.0   | -50.41      | -13.0       | -37.41      |
|            |           | Low     | 1000.0 - 10000.0 | -42.01      | -13.0       | -29.01      |
|            |           | Mid     | 30.0 - 824.0     | -49.70      | -13.0       | -36.70      |
|            |           | Mid     | 849.0 - 1000.0   | -47.99      | -13.0       | -34.99      |
|            |           | Mid     | 1000.0 - 10000.0 | -42.40      | -13.0       | -29.40      |
|            |           | High    | 30.0 - 824.0     | -51.75      | -13.0       | -38.75      |
|            |           | High    | 849.0 - 1000.0   | -48.34      | -13.0       | -35.34      |
|            |           | High    | 1000.0 - 10000.0 | -42.07      | -13.0       | -29.07      |

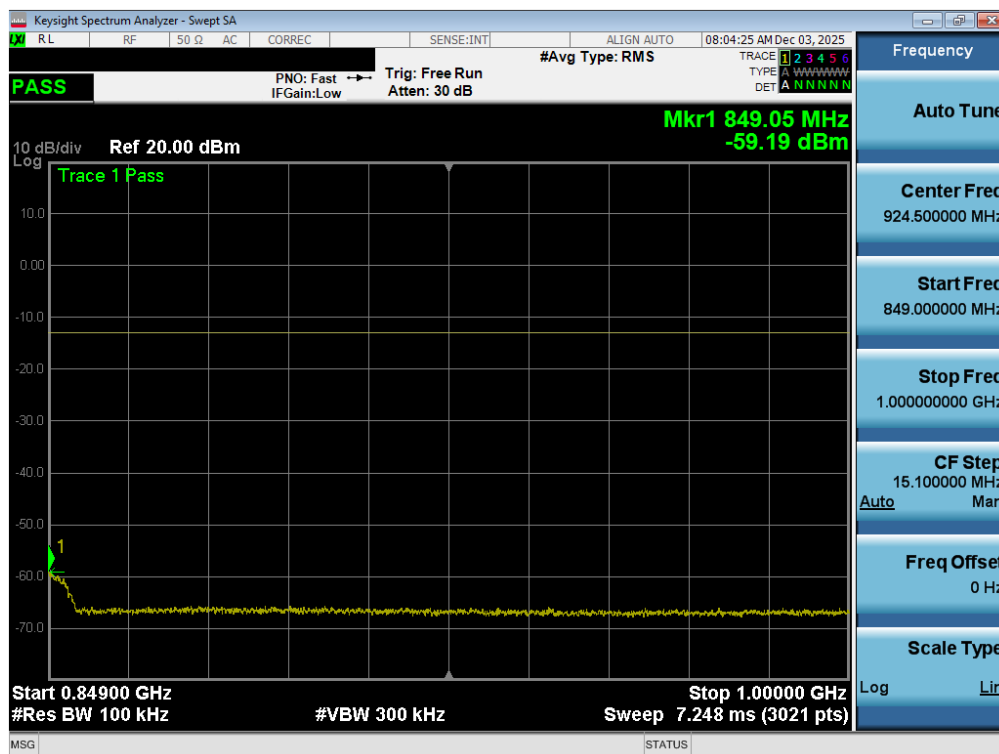
**Table 7-7. Conducted Emission Test Results – Ant2**

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 70 of 162                    |

## LTE Band 26/5 – Ant2

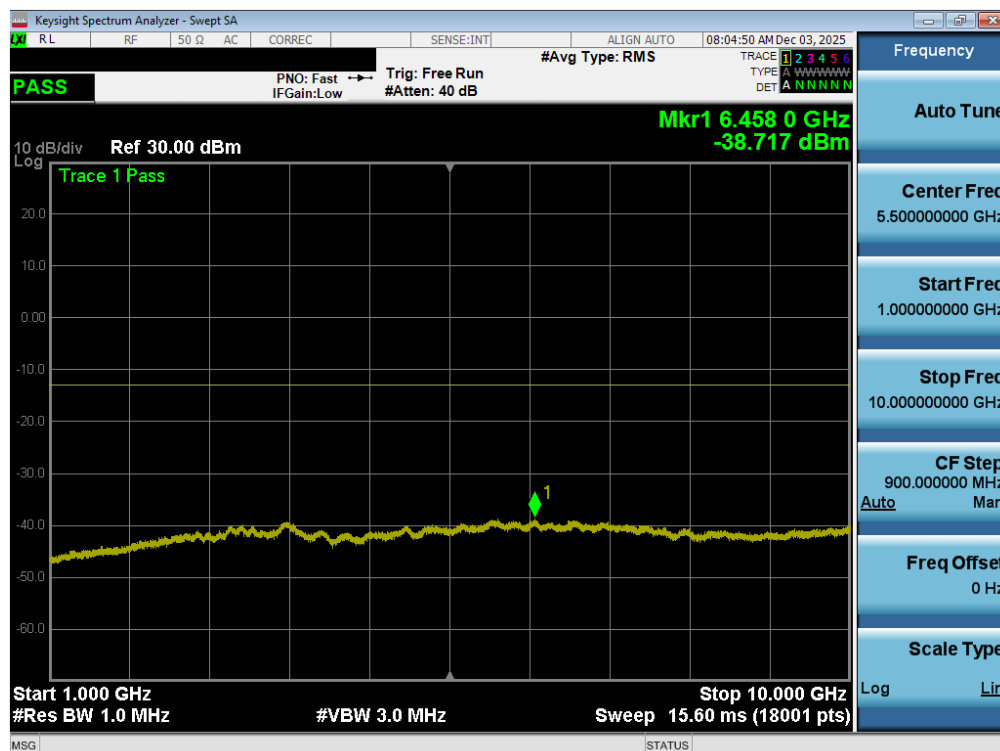


Plot 7-87. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK – 1 RB - Low Channel – Ant2)

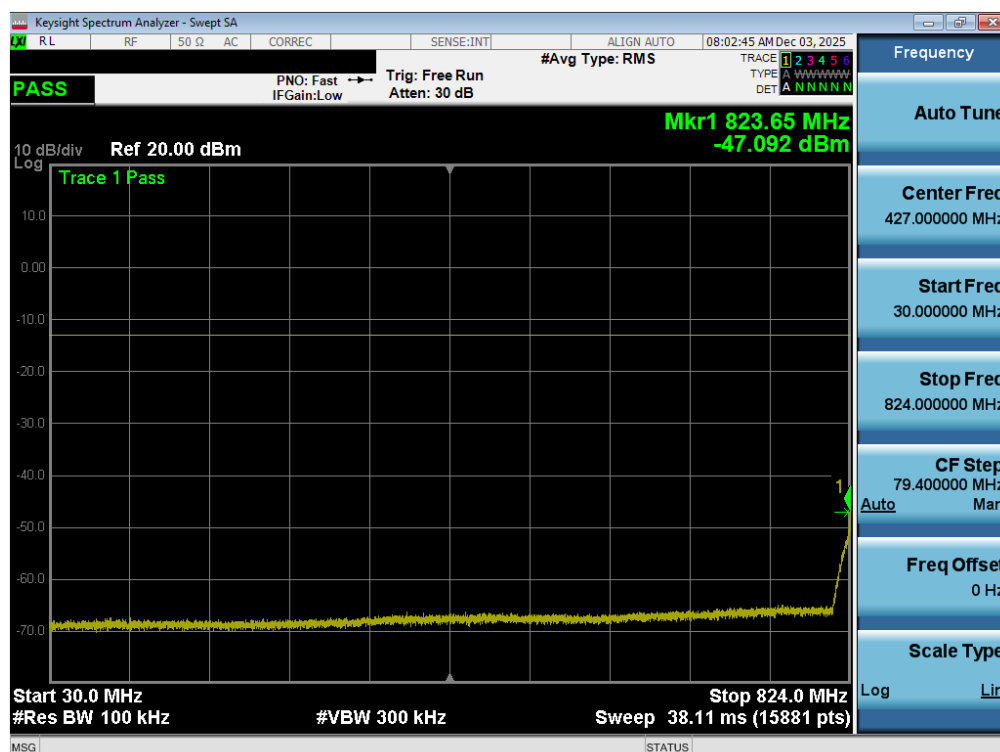


Plot 7-88. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Low Channel – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 71 of 162                    |

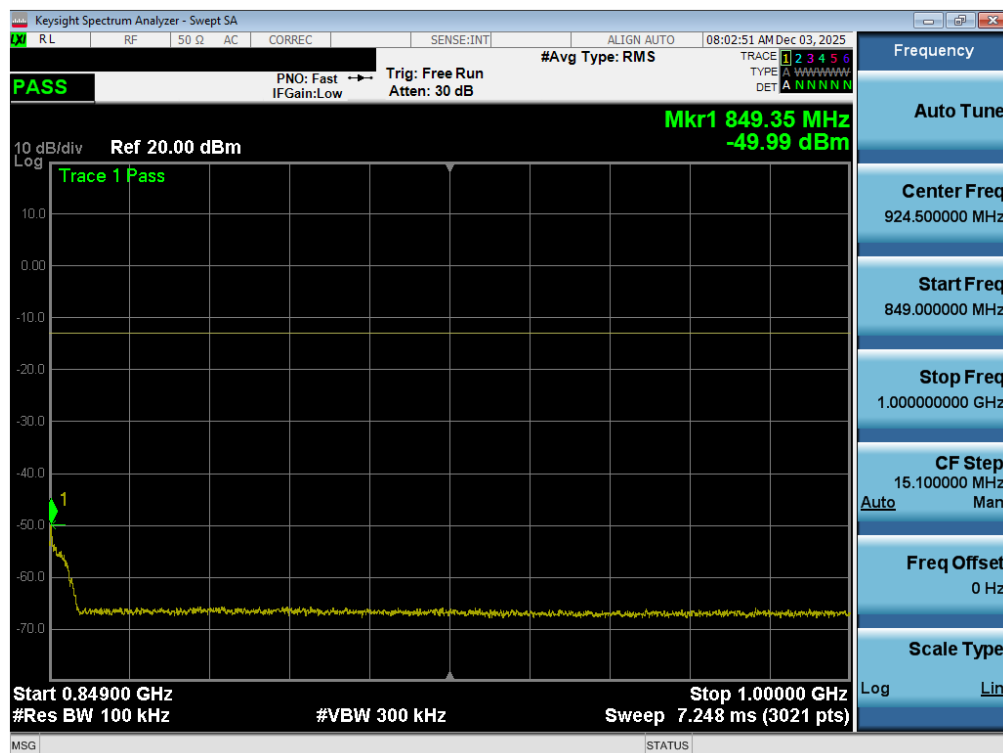


Plot 7-89. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Low Channel – Ant2)

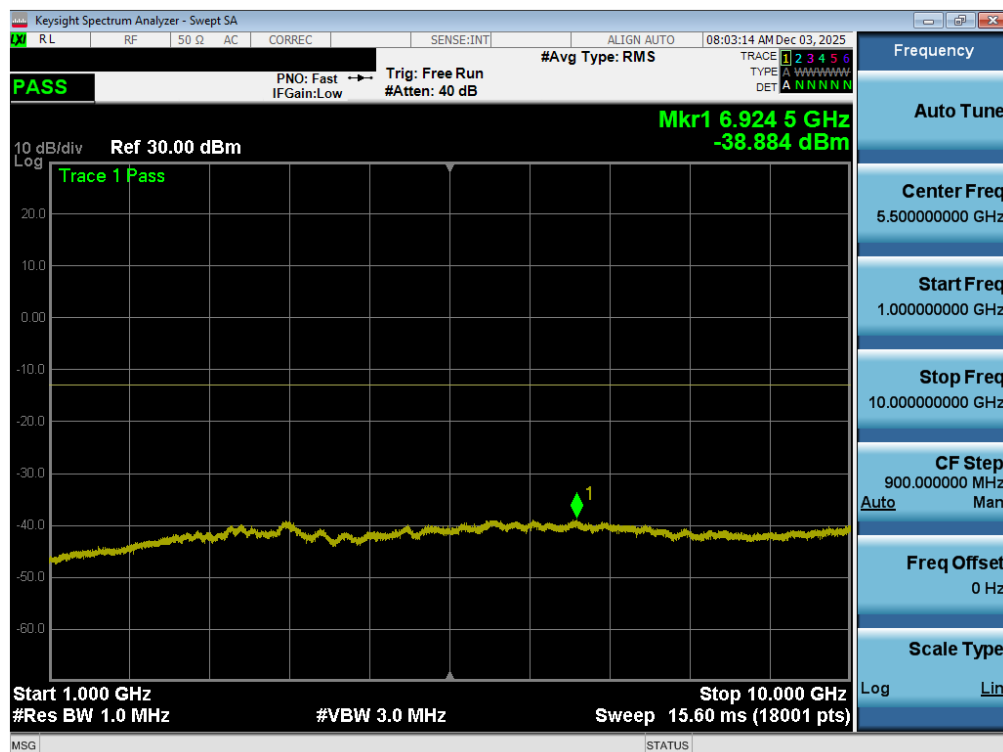


Plot 7-90. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Mid Channel – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 72 of 162                    |

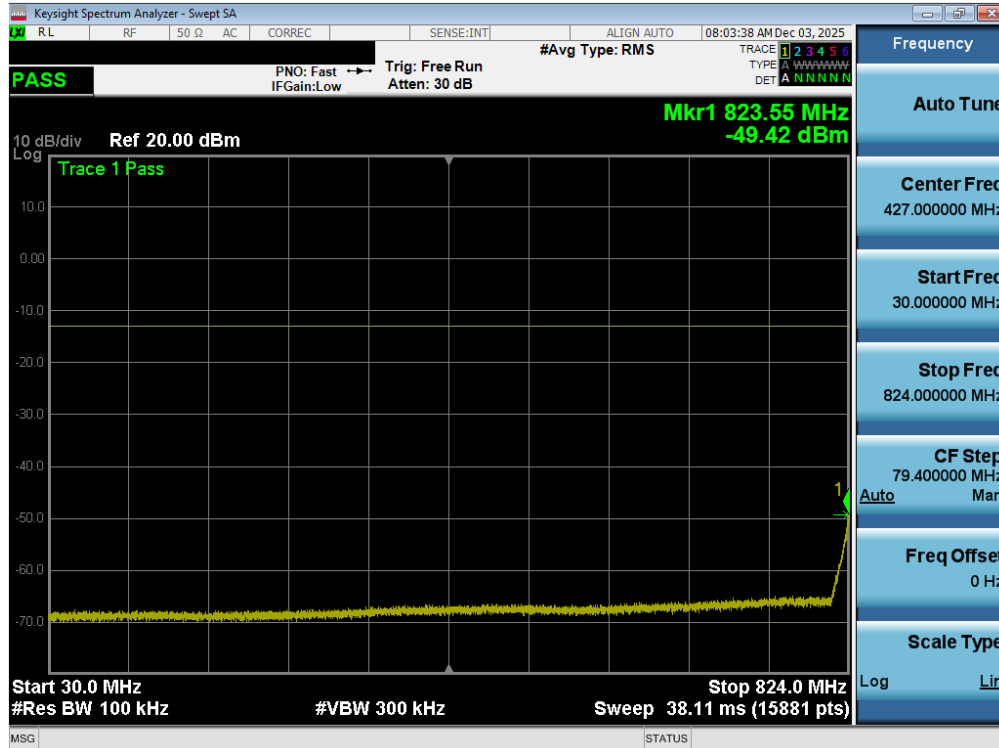


Plot 7-91. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Mid Channel – Ant2)

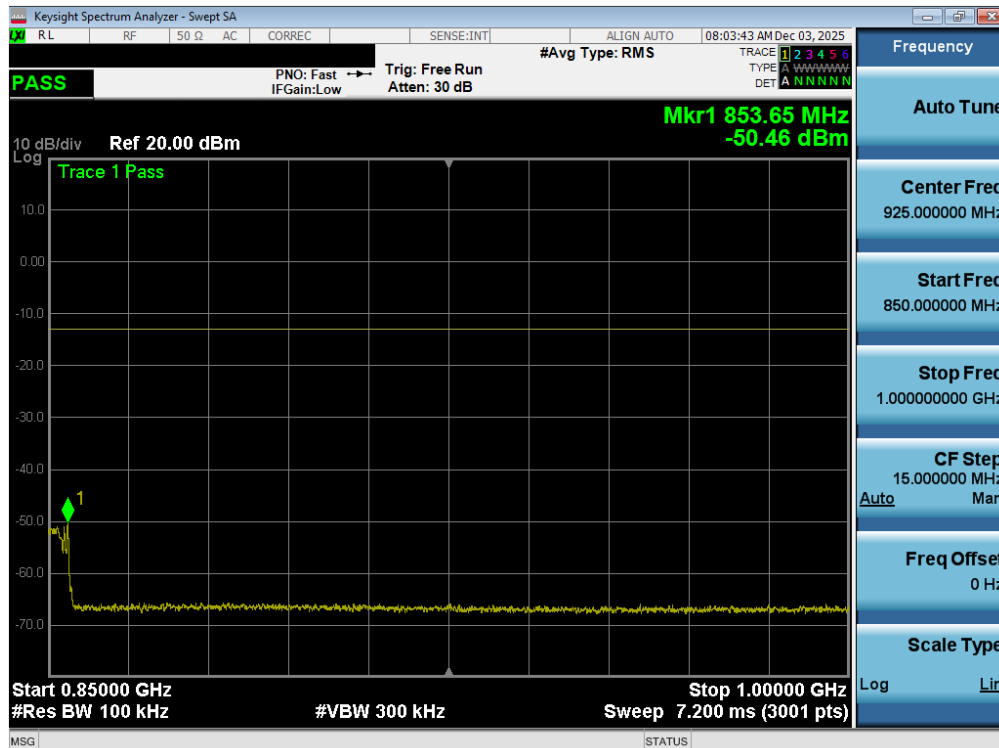


Plot 7-92. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - Mid Channel – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 73 of 162                    |



Plot 7-93. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - High Channel – Ant2)



Plot 7-94. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - High Channel – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 74 of 162                    |



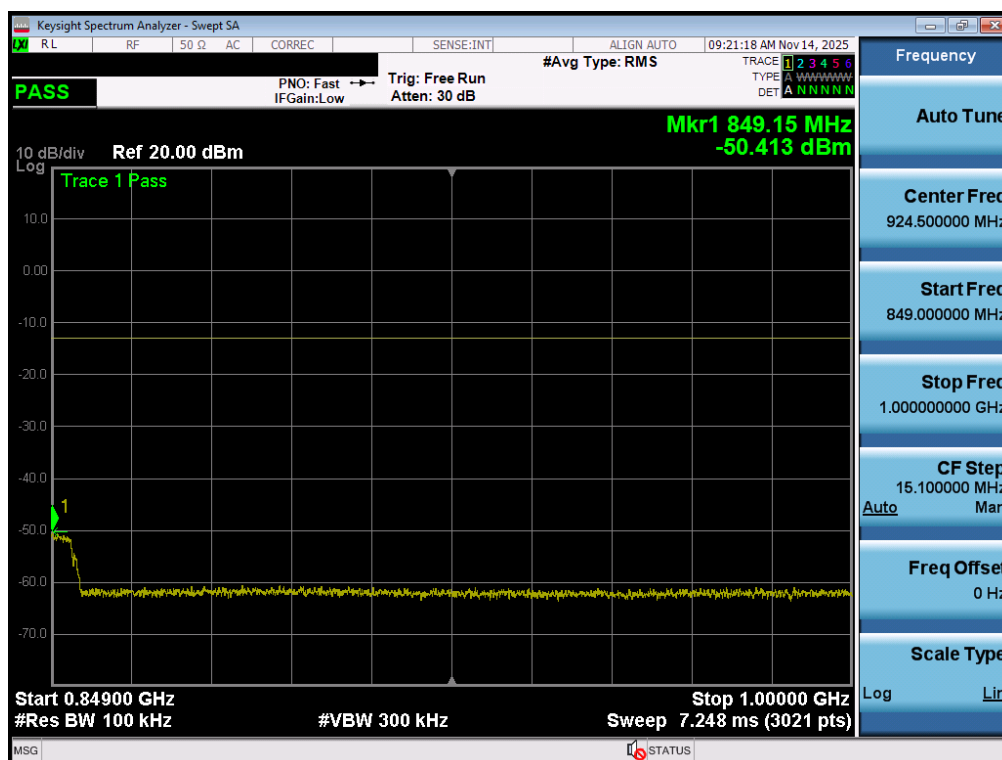
Plot 7-95. Conducted Spurious Plot (LTE Band 26/5 - 15MHz QPSK - 1 RB - High Channel – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 75 of 162                    |

## NR Band n26/5 – Ant2

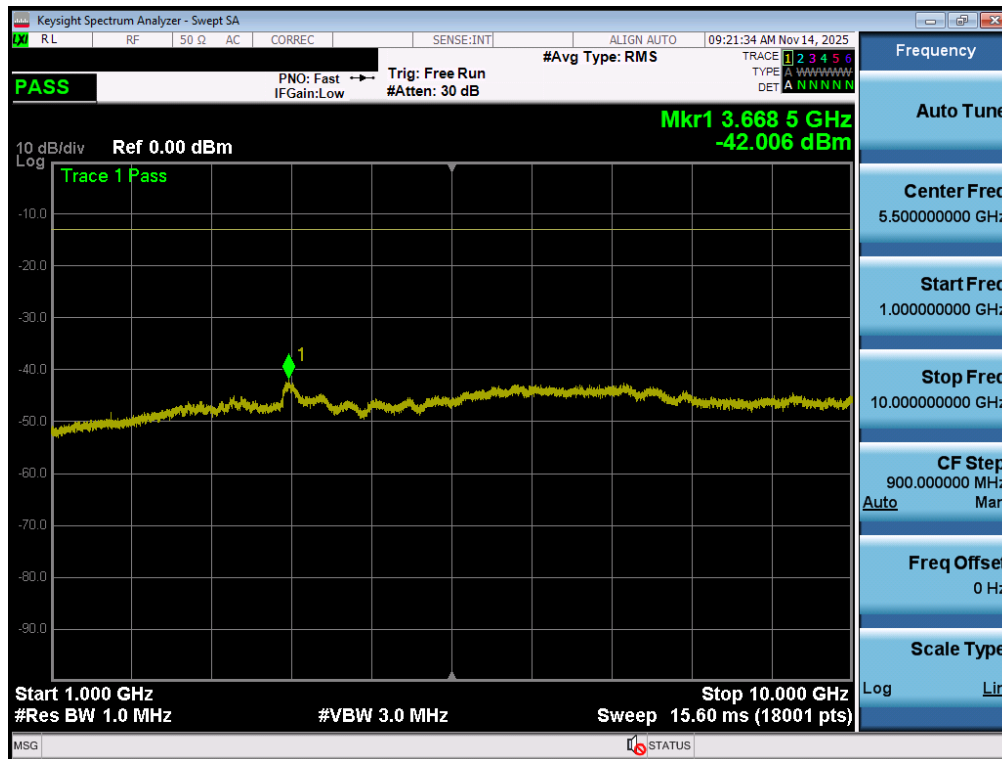


Plot 7-96. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Low Channel - Ant2)

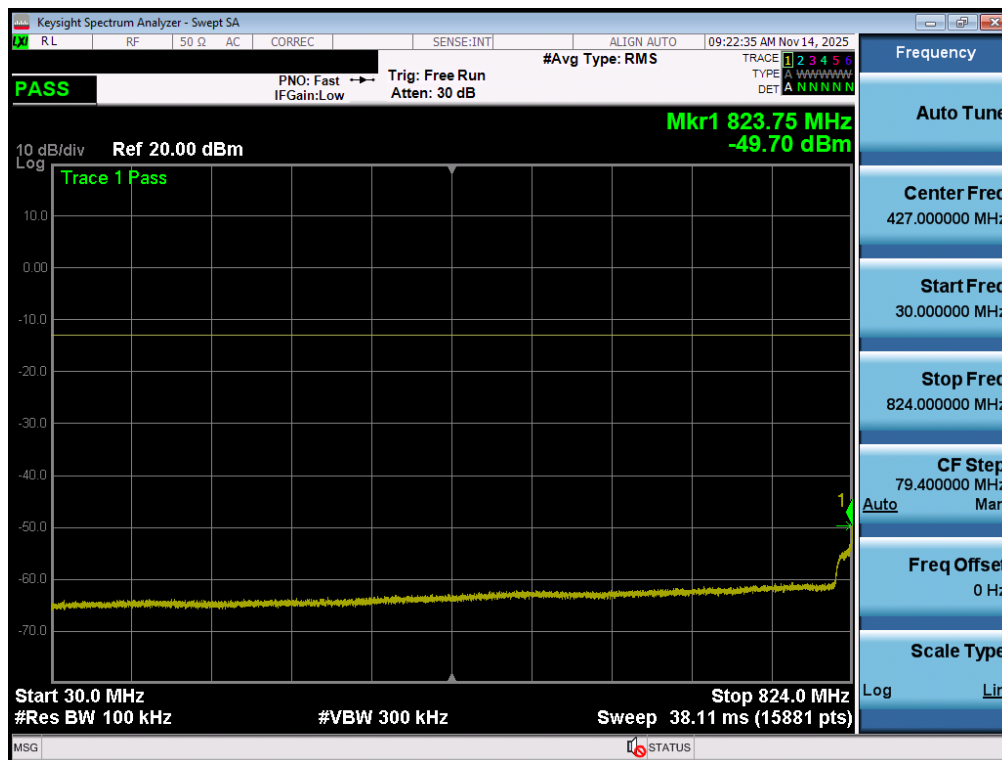


Plot 7-97. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Low Channel - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 76 of 162                    |

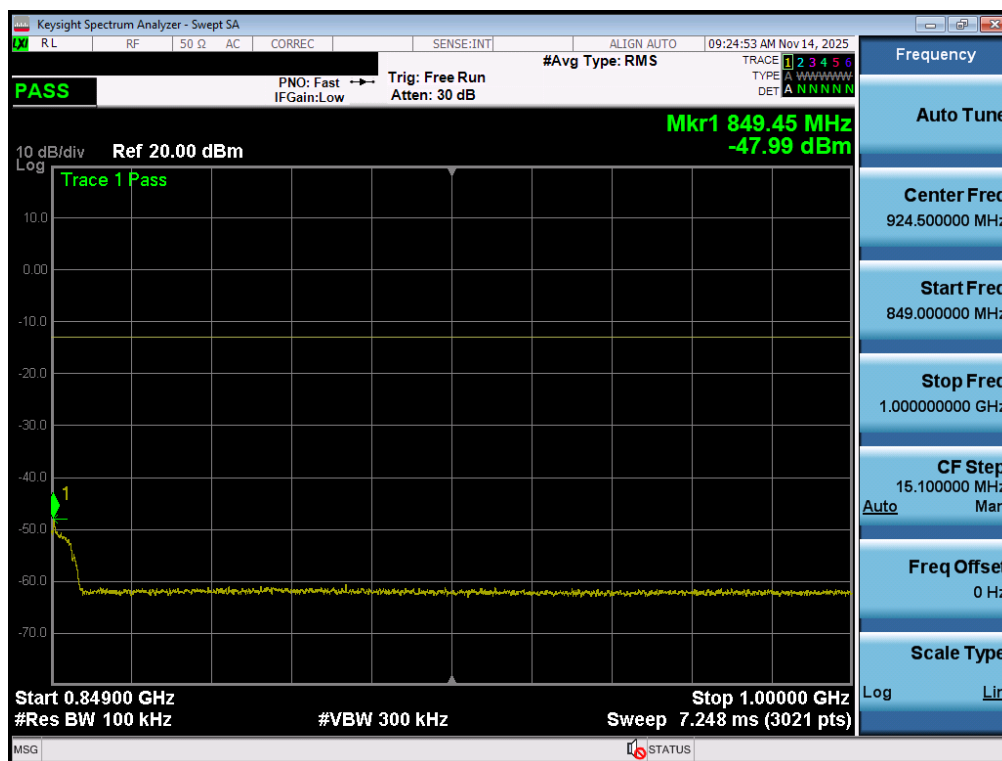


Plot 7-98. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Low Channel - Ant2)

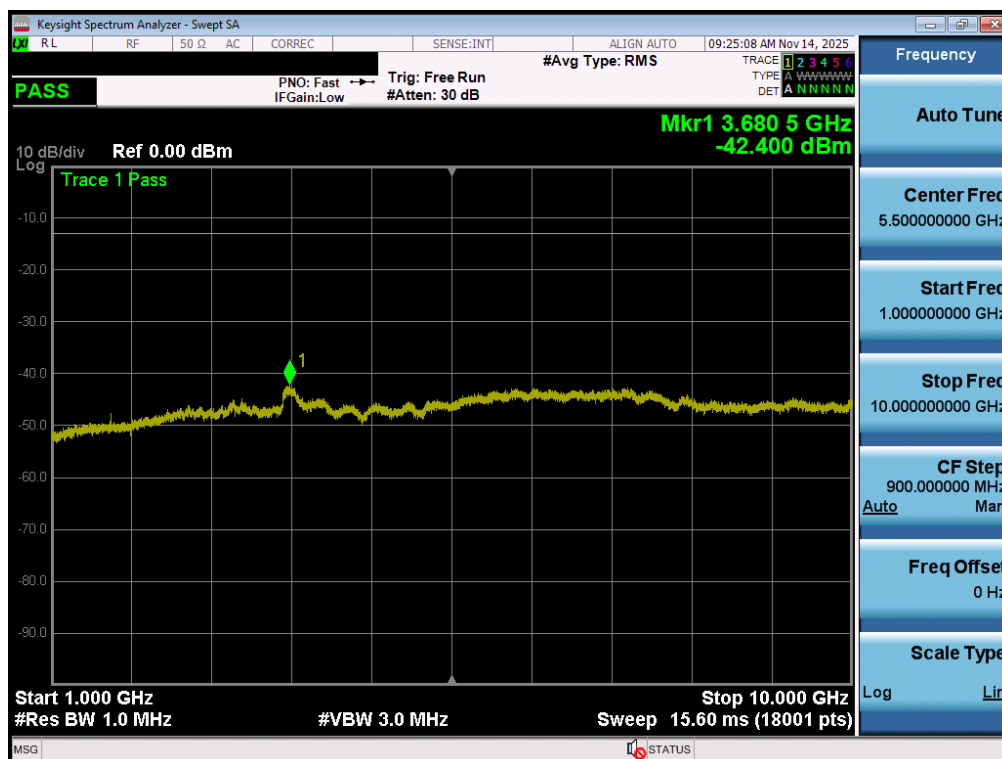


Plot 7-99. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Mid Channel - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 77 of 162                    |

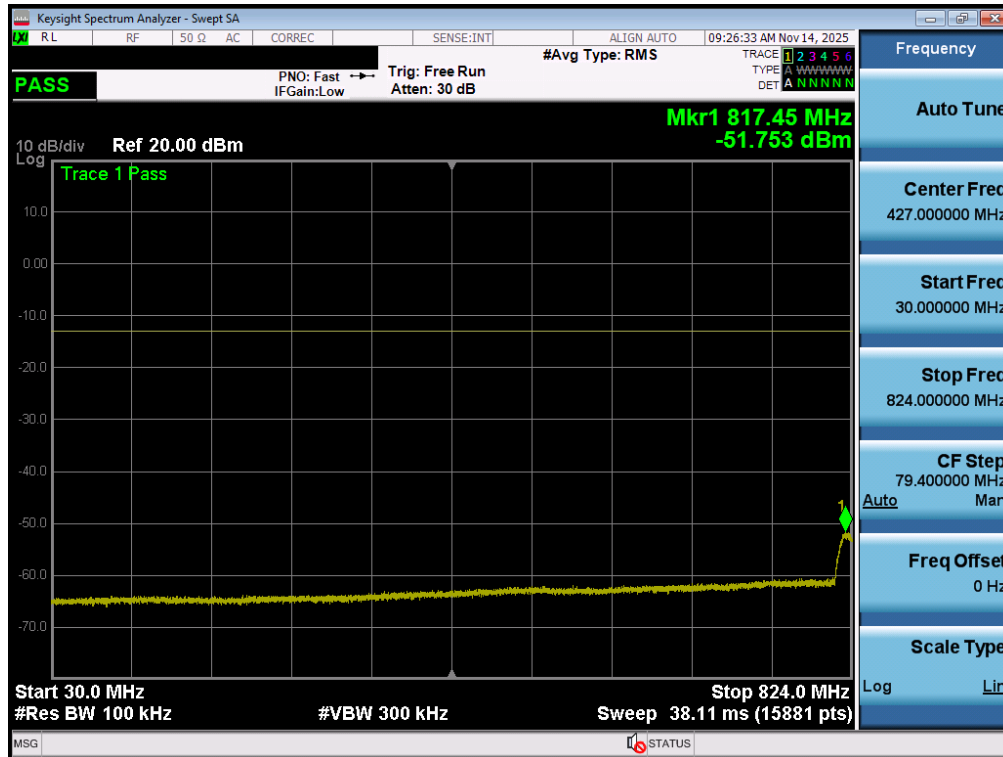


Plot 7-100. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Mid Channel - Ant2)

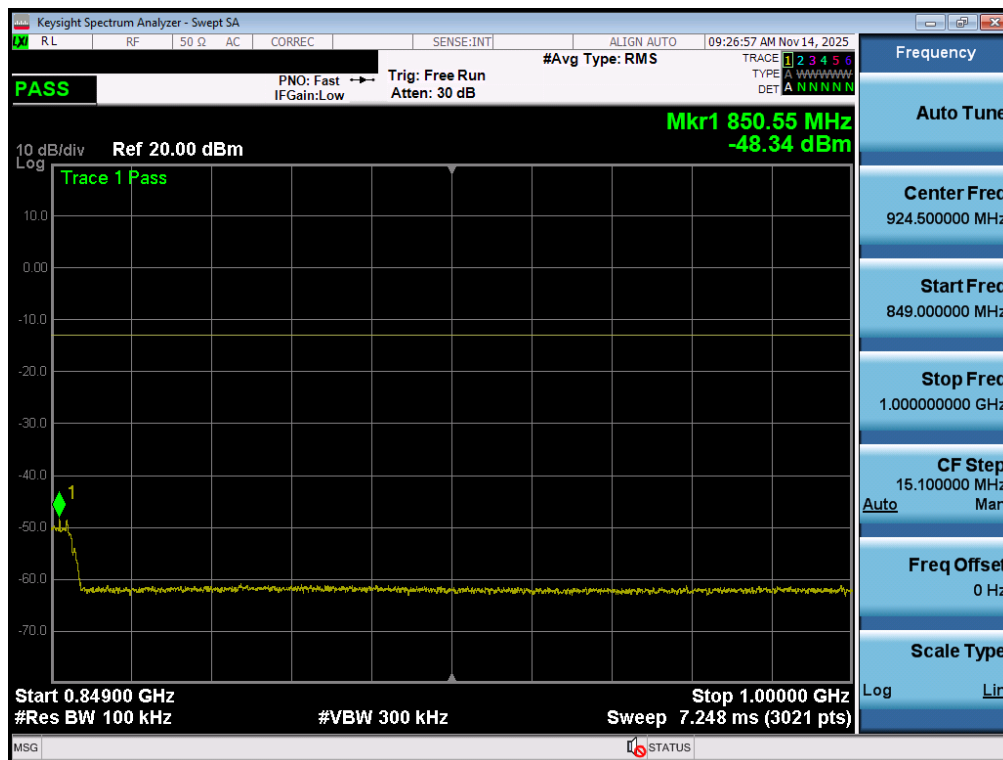


Plot 7-101. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Mid Channel - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 78 of 162                    |

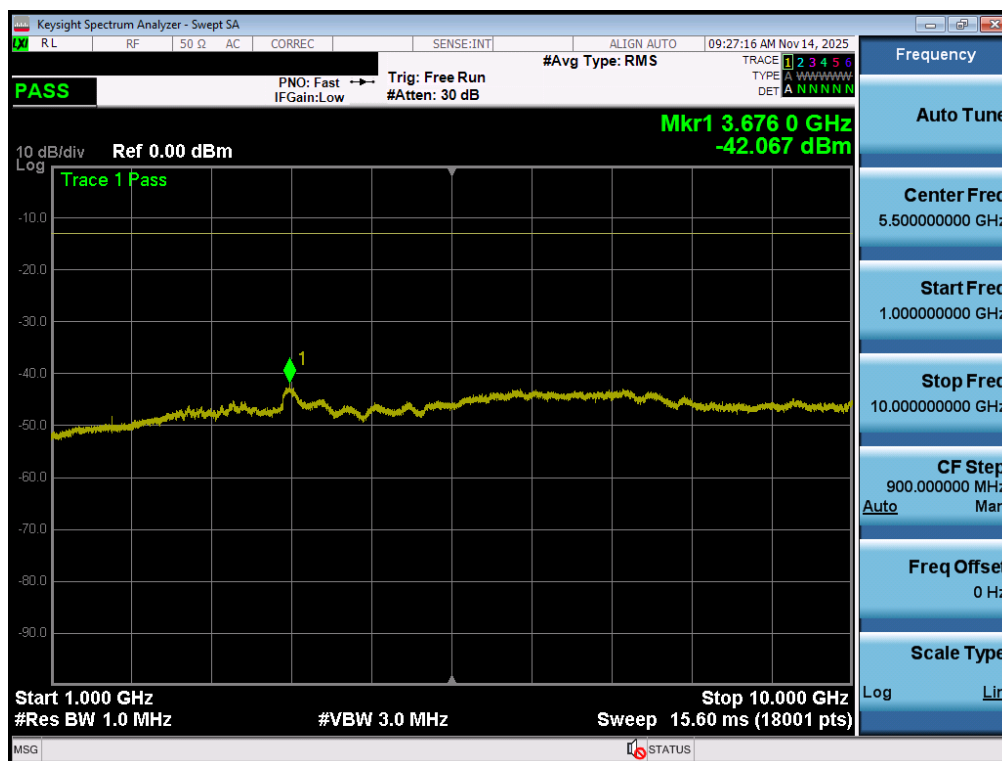


Plot 7-102. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - High Channel - Ant2)



Plot 7-103. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - High Channel - Ant2)

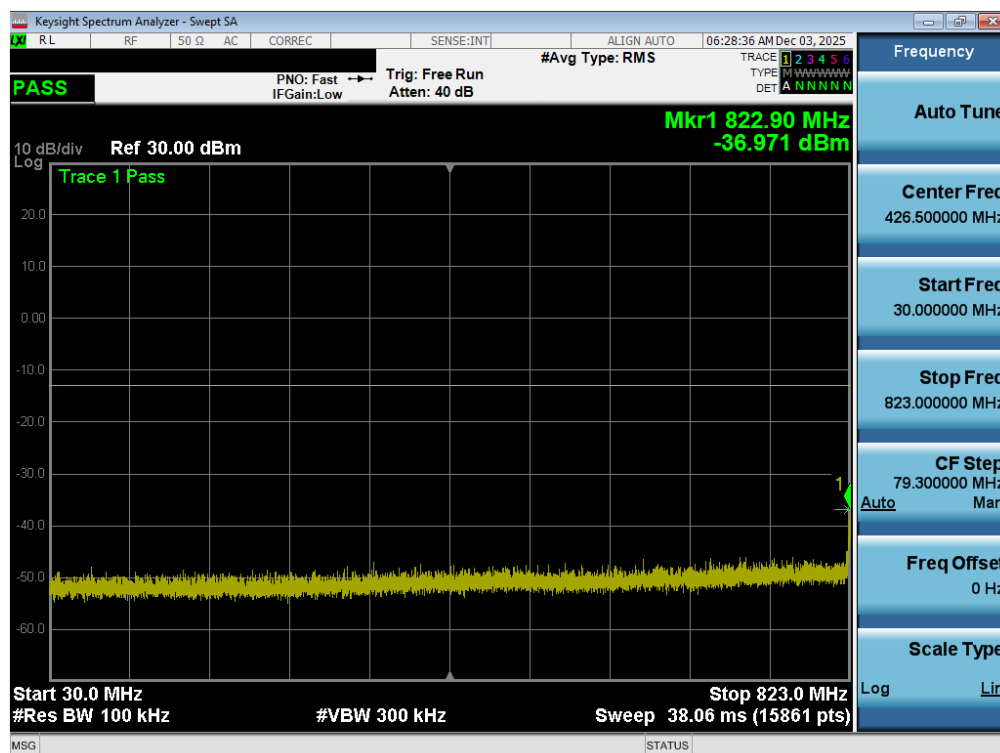
|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 79 of 162                    |



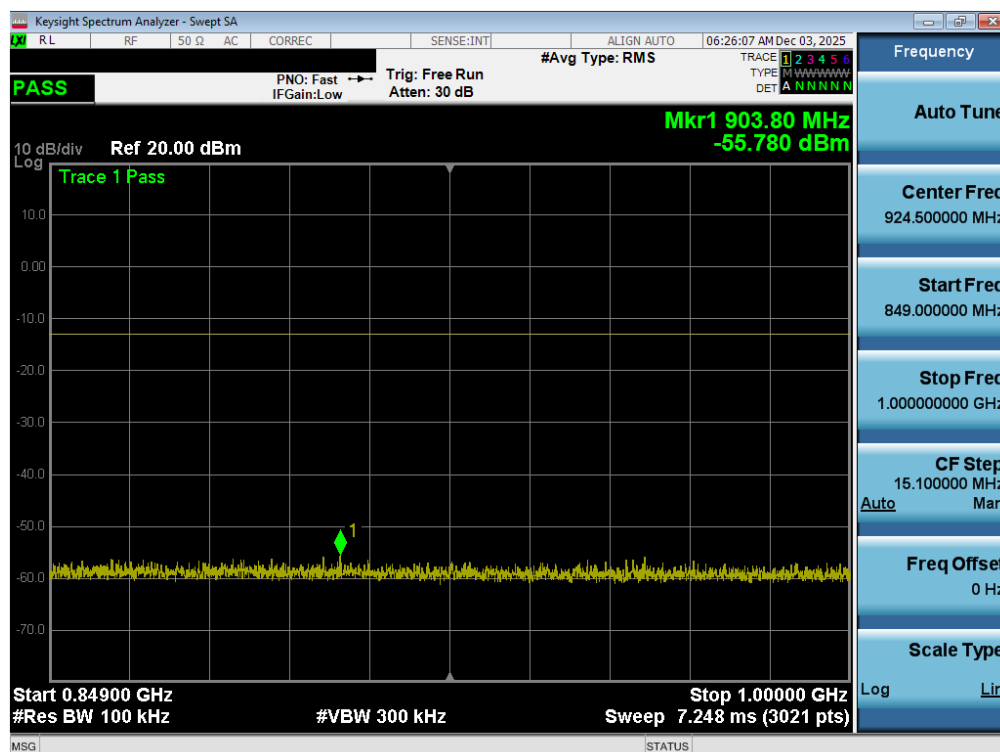
Plot 7-104. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - High Channel - Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 80 of 162                    |

## GSM/GPRS Cell – Ant2

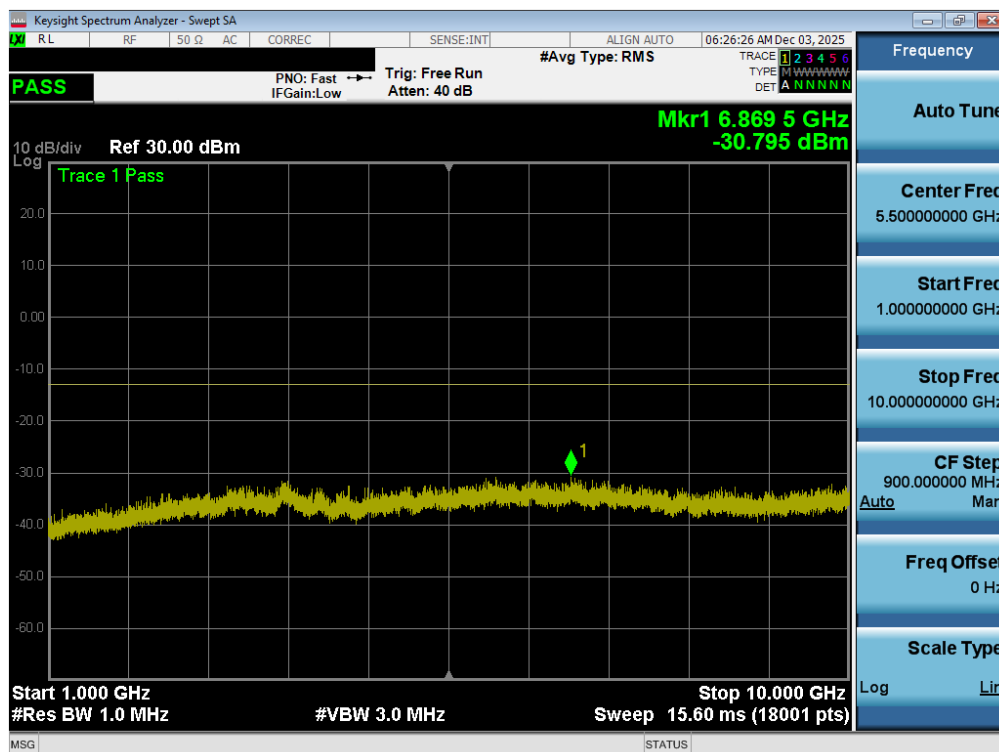


Plot 7-105. Conducted Spurious Plot (GPRS Ch. 128 – Ant2)

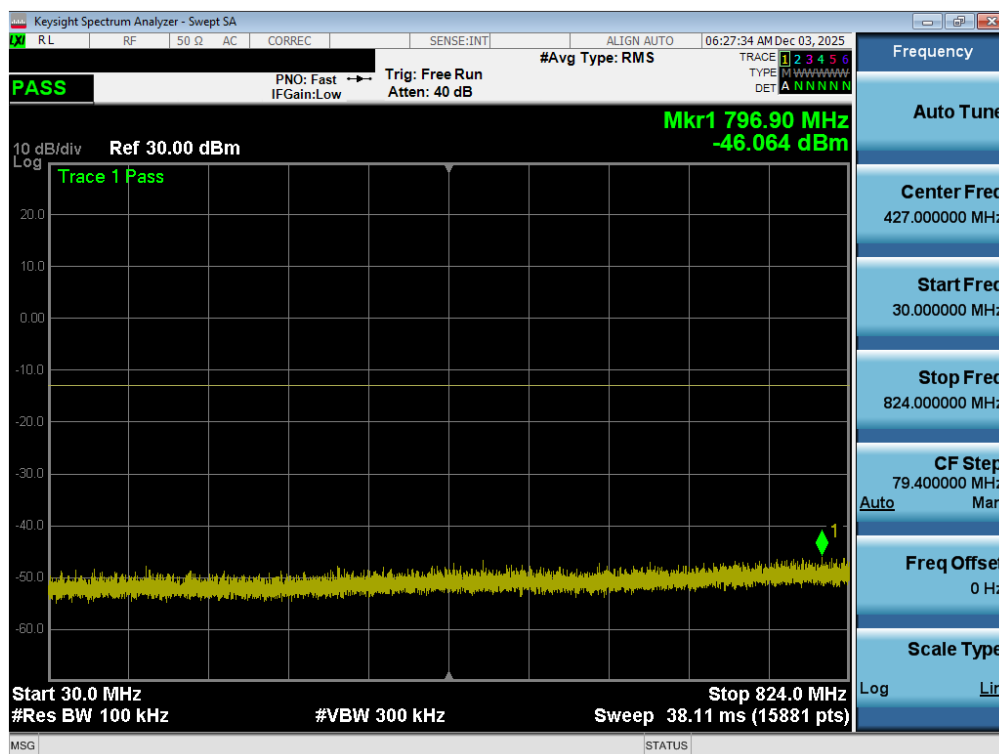


Plot 7-106. Conducted Spurious Plot (GPRS Ch. 128 – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 81 of 162                    |

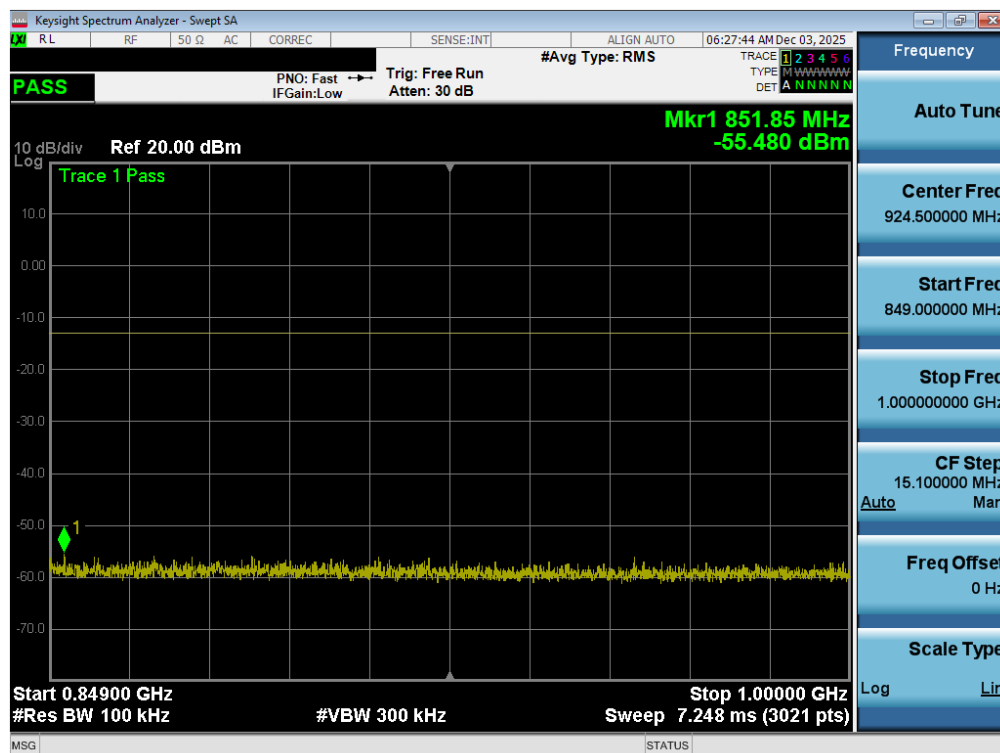


Plot 7-107. Conducted Spurious Plot (GPRS Ch. 128 – Ant2)

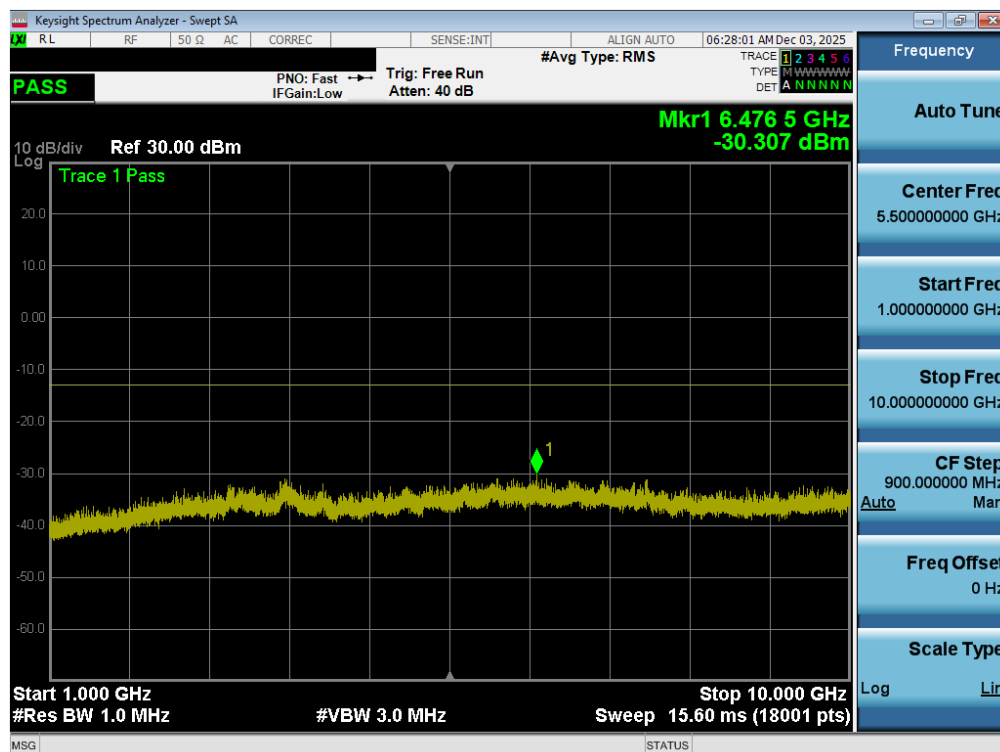


Plot 7-108. Conducted Spurious Plot (GPRS Ch. 190 – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 82 of 162                    |

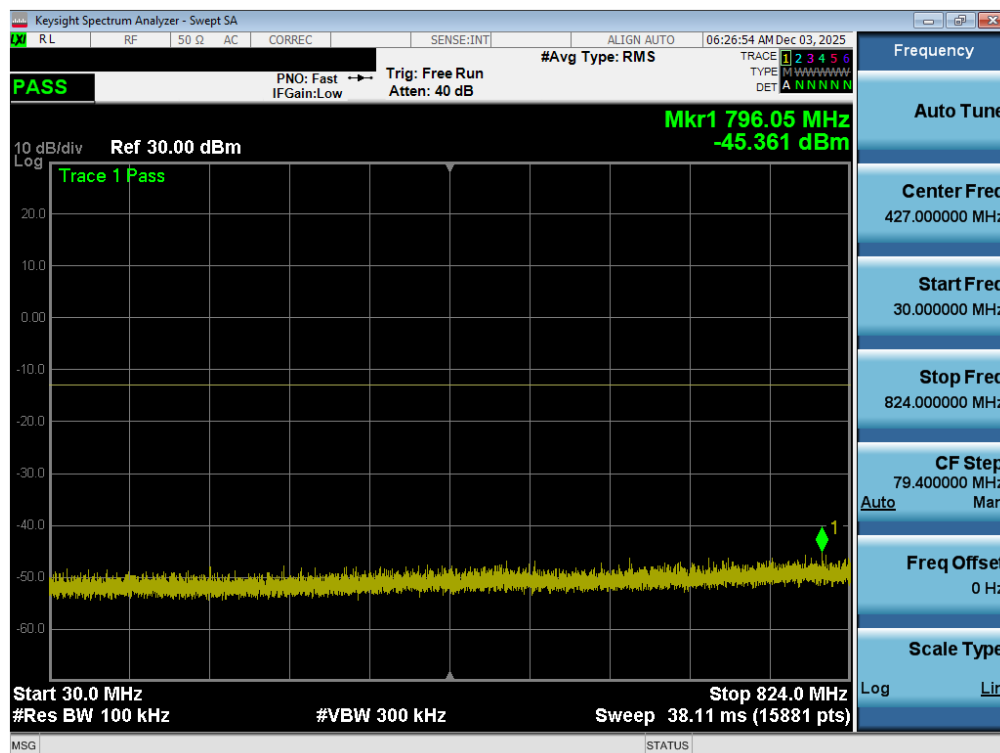


Plot 7-109. Conducted Spurious Plot (GPRS Ch. 190 – Ant2)

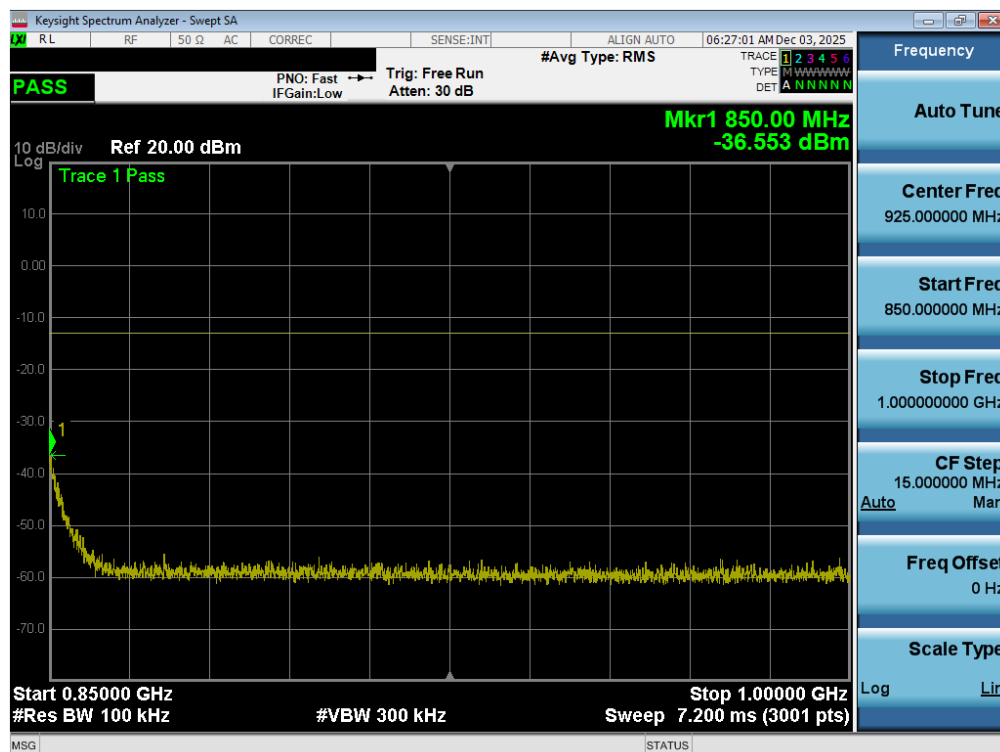


Plot 7-110. Conducted Spurious Plot (GPRS Ch. 190 – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 83 of 162                    |

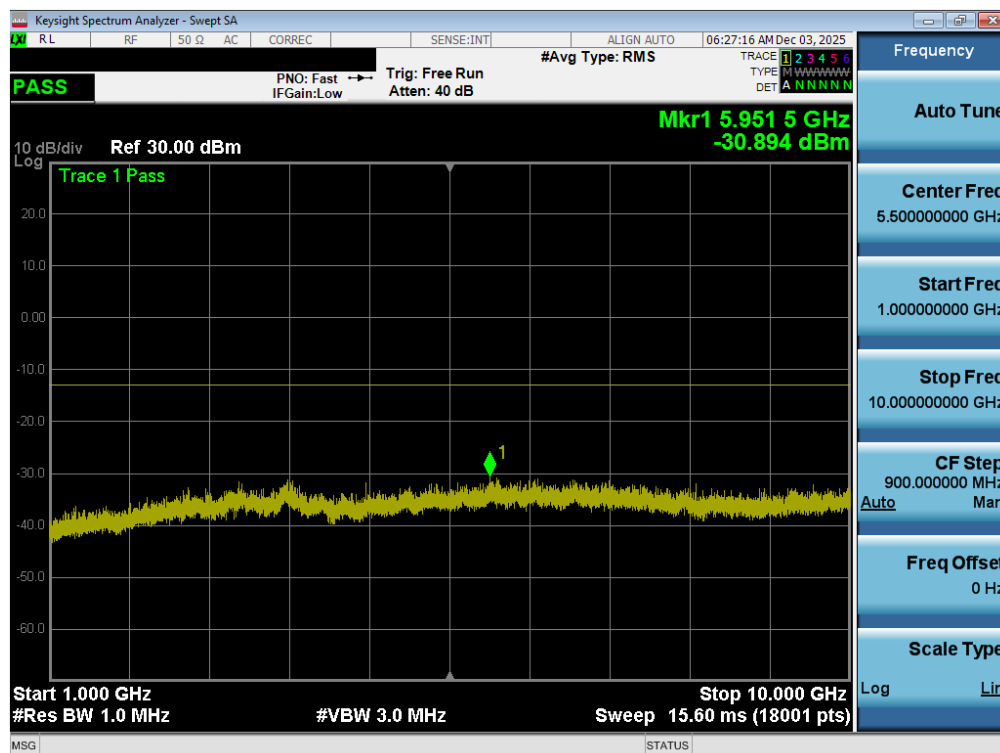


Plot 7-111. Conducted Spurious Plot (GPRS Ch. 251 – Ant2)



Plot 7-112. Conducted Spurious Plot (GPRS Ch. 251 – Ant2)

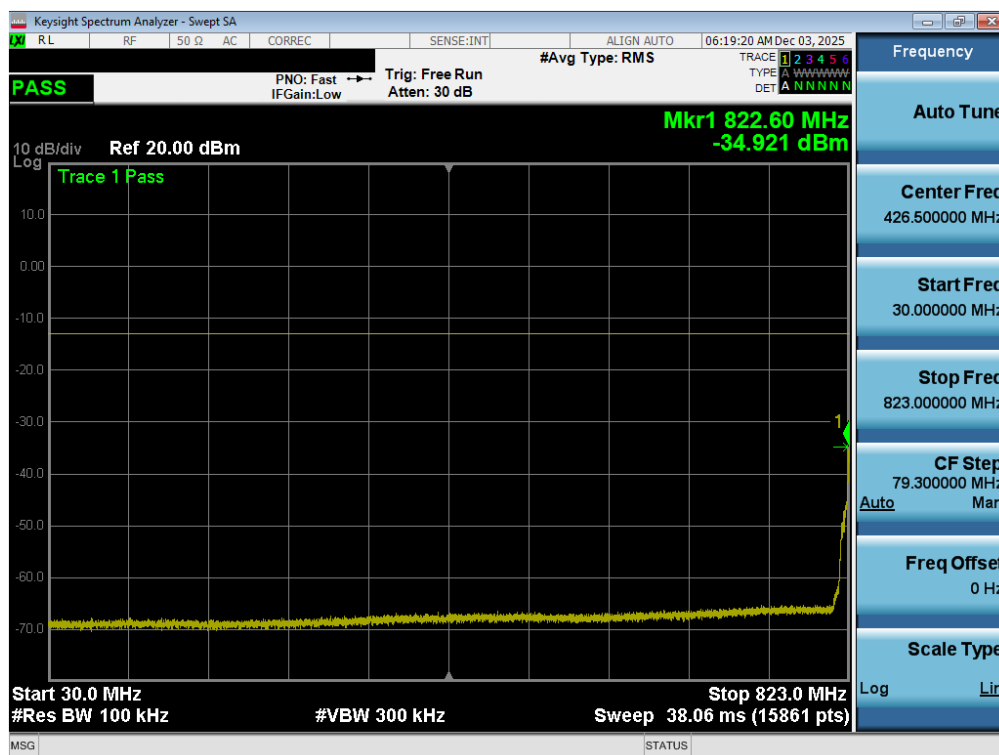
|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 84 of 162                    |



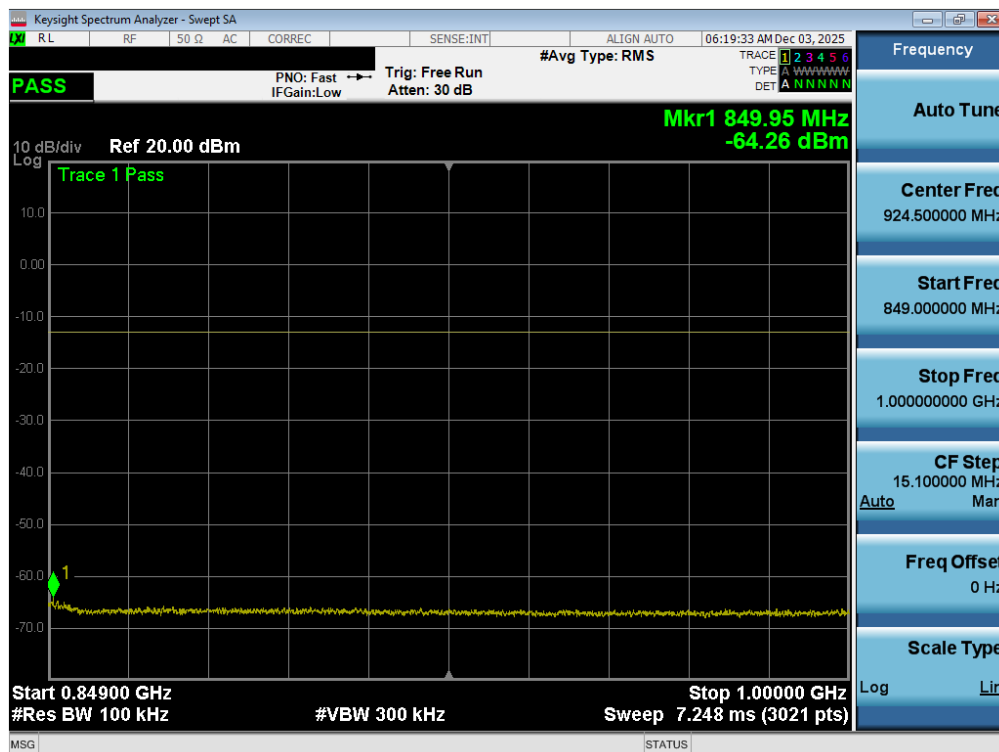
Plot 7-113. Conducted Spurious Plot (GPRS Ch. 251 – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 85 of 162                    |

## WCDMA Cell – Ant2



Plot 7-114. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant2)



Plot 7-115. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant2)

|                                            |                                        |                               |                                   |
|--------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS947B                         | PART 22 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270083-05-R1.A3L | Test Dates:<br>11/12/2025 - 12/12/2025 | EUT Type:<br>Portable Handset | Page 86 of 162                    |