



**ELEMENT MATERIALS TECHNOLOGY,  
Columbia MD**

(formerly PCTEST)  
7185 Oakland Mills Road, Columbia, MD 21046 USA  
Tel. 410.290.6652 / Fax 410.290.6654  
<http://www.element.com>

**PART 27 MEASUREMENT REPORT**

**Applicant Name:**

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

**Date of Testing:**

03/18/2026 - 04/21/2026

**Test Report Issue Date:**

05/20/2026

**Test Site/Location:**

Element Lab., Columbia, MD, USA

**Test Report Serial No.:**

1M2603110020-09-R1.A3L

**FCC ID:**

**A3LSMF776B**

**APPLICANT:**

**Samsung Electronics Co., Ltd.**

**Application Type:**

Certification

**Model:**

SM-F776B

**EUT Type:**

Portable Handset

**FCC Classification:**

PCS Licensed Transmitter Held to Ear (PCE)

**FCC Rule Part:**

27

**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: 1M2603110020-09-R1.A3L) supersedes and replaces the previously issued test report (S/N: 1M2603110020-09.A3L) on the same subject device for the same type of testing as indicated. Please discard or destroy the 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**



|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMF776B                         | <b>PART 27<br/>MEASUREMENT REPORT</b>                                               | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                    | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2603110020-09-R1.A3L |  | This report is Blockchain Verified. To verify the report authenticity, please visit <a href="https://www.blockchain-verified.com">HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM</a> or by clicking on the Blockchain logo. |                                      | Page 1 of 106                            |

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V11.3 5/14/2025

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## TEST REPORT REVISION HISTORY

| Rev. No. | Description                             | Issue Date | Revised By    |
|----------|-----------------------------------------|------------|---------------|
| -        | Initial Release                         | 05/08/2026 | WKR0000005874 |
| 1        | Addressed comments made by TCB reviewer | 05/20/2026 | WKR0000023296 |
|          |                                         |            |               |

|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                      |                                          |
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| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                         | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                    | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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## PART 27 MEASUREMENT REPORT

| Antenna-1                        |           |              |                          |                |                  |                     |
|----------------------------------|-----------|--------------|--------------------------|----------------|------------------|---------------------|
| Mode                             | Bandwidth | Modulation   | Tx Frequency Range [MHz] | EIRP           |                  | Emission Designator |
|                                  |           |              |                          | Max. Power [W] | Max. Power [dBm] |                     |
| NR Band n77 PC2 (3450 - 3550MHz) | 100 MHz   | $\pi/2$ BPSK | 3500.0                   | 0.627          | 27.97            | 96M6G7D             |
|                                  |           | QPSK         | 3500.0                   | 0.569          | 27.55            | 97M8G7D             |
|                                  |           | 16QAM        | 3500.0                   | 0.415          | 26.18            | 97M7W7D             |
|                                  | 90 MHz    | $\pi/2$ BPSK | 3495.0 - 3505.0          | 0.641          | 28.07            | 86M8G7D             |
|                                  |           | QPSK         | 3495.0 - 3505.0          | 0.570          | 27.56            | 87M7G7D             |
|                                  |           | 16QAM        | 3495.0 - 3505.0          | 0.416          | 26.19            | 87M8W7D             |
|                                  | 80 MHz    | $\pi/2$ BPSK | 3490.0 - 3510.0          | 0.628          | 27.98            | 77M3G7D             |
|                                  |           | QPSK         | 3490.0 - 3510.0          | 0.570          | 27.56            | 77M8G7D             |
|                                  |           | 16QAM        | 3490.0 - 3510.0          | 0.414          | 26.17            | 77M9W7D             |
|                                  | 70 MHz    | $\pi/2$ BPSK | 3485.0 - 3515.0          | 0.646          | 28.10            | 64M6G7D             |
|                                  |           | QPSK         | 3485.0 - 3515.0          | 0.563          | 27.50            | 68M0G7D             |
|                                  |           | 16QAM        | 3485.0 - 3515.0          | 0.406          | 26.08            | 67M8W7D             |
|                                  | 60 MHz    | $\pi/2$ BPSK | 3480.0 - 3520.0          | 0.689          | 28.38            | 58M3G7D             |
|                                  |           | QPSK         | 3480.0 - 3520.0          | 0.618          | 27.91            | 58M5G7D             |
|                                  |           | 16QAM        | 3480.0 - 3520.0          | 0.452          | 26.55            | 58M3W7D             |
|                                  | 50 MHz    | $\pi/2$ BPSK | 3475.0 - 3525.0          | 0.640          | 28.06            | 46M1G7D             |
|                                  |           | QPSK         | 3475.0 - 3525.0          | 0.580          | 27.63            | 47M9G7D             |
|                                  |           | 16QAM        | 3475.0 - 3525.0          | 0.423          | 26.26            | 47M8W7D             |
|                                  | 40 MHz    | $\pi/2$ BPSK | 3470.0 - 3530.0          | 0.628          | 27.98            | 36M1G7D             |
|                                  |           | QPSK         | 3470.0 - 3530.0          | 0.564          | 27.51            | 38M2G7D             |
|                                  |           | 16QAM        | 3470.0 - 3530.0          | 0.418          | 26.21            | 38M2W7D             |
|                                  | 30 MHz    | $\pi/2$ BPSK | 3465.0 - 3535.0          | 0.631          | 28.00            | 27M1G7D             |
|                                  |           | QPSK         | 3465.0 - 3535.0          | 0.565          | 27.52            | 28M1G7D             |
|                                  |           | 16QAM        | 3465.0 - 3535.0          | 0.414          | 26.17            | 28M2W7D             |
|                                  | 20 MHz    | $\pi/2$ BPSK | 3460.0 - 3540.0          | 0.625          | 27.96            | 18M1G7D             |
|                                  |           | QPSK         | 3460.0 - 3540.0          | 0.561          | 27.49            | 18M5G7D             |
|                                  |           | 16QAM        | 3460.0 - 3540.0          | 0.417          | 26.20            | 18M4W7D             |
|                                  | 15 MHz    | $\pi/2$ BPSK | 3457.5 - 3542.5          | 0.625          | 27.96            | 13M1G7D             |
|                                  |           | QPSK         | 3457.5 - 3542.5          | 0.564          | 27.51            | 13M8G7D             |
|                                  |           | 16QAM        | 3457.5 - 3542.5          | 0.411          | 26.14            | 13M8W7D             |
|                                  | 10 MHz    | $\pi/2$ BPSK | 3455.0 - 3545.0          | 0.625          | 27.96            | 8M79G7D             |
|                                  |           | QPSK         | 3455.0 - 3545.0          | 0.565          | 27.52            | 8M76G7D             |
|                                  |           | 16QAM        | 3455.0 - 3545.0          | 0.415          | 26.18            | 8M73W7D             |

|                                            |                                                                                                                                                                                                                                                                                                      |  |                                        |                               |                                   |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMF776B                         | PART 27<br>MEASUREMENT REPORT                                                                                                                                                                                                                                                                        |  | Test Dates:<br>03/18/2026 - 04/21/2026 | EUT Type:<br>Portable Handset | Approved by:<br>Technical Manager |
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| Antenna-1                           |           |              |                          |                |                  |                     |
|-------------------------------------|-----------|--------------|--------------------------|----------------|------------------|---------------------|
| Mode                                | Bandwidth | Modulation   | Tx Frequency Range [MHz] | EIRP           |                  | Emission Designator |
|                                     |           |              |                          | Max. Power [W] | Max. Power [dBm] |                     |
| NR Band n77 PC2<br>(3700 - 3980MHz) | 100 MHz   | $\pi/2$ BPSK | 3750.0 - 3930.0          | 0.413          | 26.16            | 97M0G7D             |
|                                     |           | QPSK         | 3750.0 - 3930.0          | 0.380          | 25.80            | 97M8G7D             |
|                                     |           | 16QAM        | 3750.0 - 3930.0          | 0.300          | 24.77            | 97M6W7D             |
|                                     | 90 MHz    | $\pi/2$ BPSK | 3745.0 - 3935.0          | 0.426          | 26.30            | 87M4G7D             |
|                                     |           | QPSK         | 3745.0 - 3935.0          | 0.393          | 25.95            | 88M0G7D             |
|                                     |           | 16QAM        | 3745.0 - 3935.0          | 0.292          | 24.65            | 87M8W7D             |
|                                     | 80 MHz    | $\pi/2$ BPSK | 3740.0 - 3940.0          | 0.421          | 26.25            | 77M5G7D             |
|                                     |           | QPSK         | 3740.0 - 3940.0          | 0.389          | 25.90            | 77M9G7D             |
|                                     |           | 16QAM        | 3740.0 - 3940.0          | 0.281          | 24.49            | 77M8W7D             |
|                                     | 70 MHz    | $\pi/2$ BPSK | 3735.0 - 3945.0          | 0.414          | 26.17            | 64M8G7D             |
|                                     |           | QPSK         | 3735.0 - 3945.0          | 0.382          | 25.82            | 67M9G7D             |
|                                     |           | 16QAM        | 3735.0 - 3945.0          | 0.267          | 24.27            | 67M8W7D             |
|                                     | 60 MHz    | $\pi/2$ BPSK | 3730.0 - 3950.0          | 0.416          | 26.19            | 58M3G7D             |
|                                     |           | QPSK         | 3730.0 - 3950.0          | 0.384          | 25.85            | 58M3G7D             |
|                                     |           | 16QAM        | 3730.0 - 3950.0          | 0.256          | 24.09            | 58M3W7D             |
|                                     | 50 MHz    | $\pi/2$ BPSK | 3725.0 - 3955.0          | 0.415          | 26.18            | 46M1G7D             |
|                                     |           | QPSK         | 3725.0 - 3955.0          | 0.383          | 25.84            | 47M8G7D             |
|                                     |           | 16QAM        | 3725.0 - 3955.0          | 0.243          | 23.85            | 47M8W7D             |
|                                     | 40 MHz    | $\pi/2$ BPSK | 3720.0 - 3960.0          | 0.412          | 26.15            | 36M1G7D             |
|                                     |           | QPSK         | 3720.0 - 3960.0          | 0.380          | 25.80            | 38M2G7D             |
|                                     |           | 16QAM        | 3720.0 - 3960.0          | 0.237          | 23.75            | 38M2W7D             |
|                                     | 30 MHz    | $\pi/2$ BPSK | 3715.0 - 3965.0          | 0.422          | 26.26            | 27M1G7D             |
|                                     |           | QPSK         | 3715.0 - 3965.0          | 0.389          | 25.90            | 28M1G7D             |
|                                     |           | 16QAM        | 3715.0 - 3965.0          | 0.231          | 23.64            | 28M1W7D             |
|                                     | 20 MHz    | $\pi/2$ BPSK | 3710.0 - 3970.0          | 0.396          | 25.98            | 18M1G7D             |
|                                     |           | QPSK         | 3710.0 - 3970.0          | 0.365          | 25.63            | 18M4G7D             |
|                                     |           | 16QAM        | 3710.0 - 3970.0          | 0.226          | 23.54            | 18M4W7D             |
|                                     | 15 MHz    | $\pi/2$ BPSK | 3707.5 - 3972.5          | 0.388          | 25.89            | 13M1G7D             |
|                                     |           | QPSK         | 3707.5 - 3972.5          | 0.359          | 25.55            | 13M7G7D             |
|                                     |           | 16QAM        | 3707.5 - 3972.5          | 0.223          | 23.49            | 13M7W7D             |
|                                     | 10 MHz    | $\pi/2$ BPSK | 3705.0 - 3975.0          | 0.372          | 25.71            | 8M73G7D             |
|                                     |           | QPSK         | 3705.0 - 3975.0          | 0.343          | 25.36            | 8M75G7D             |
|                                     |           | 16QAM        | 3705.0 - 3975.0          | 0.221          | 23.44            | 8M73W7D             |

|                                            |                                                                                                                                                                                                                                                                                                      |  |                                        |                               |                                   |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMF776B                         | PART 27<br>MEASUREMENT REPORT                                                                                                                                                                                                                                                                        |  | Test Dates:<br>03/18/2026 - 04/21/2026 | EUT Type:<br>Portable Handset | Approved by:<br>Technical Manager |
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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.**

- 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 ISSED Standards (RSS).
- Element Washington DC LLC facility is a registered test laboratory with the site description on file with ISSED (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 ISSED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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## 2.0 PRODUCT INFORMATION

### 2.1 Equipment Description

The Equipment Under Test (EUT) is the **Samsung Portable Handset FCC ID: A3LSMF776B**. 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 27.

**Test Device Serial No.:** 0084M, 0087M, 0007M, 1521M, 0085M, 0083M, 0076M

### 2.2 Device Capabilities

This device contains the following capabilities:

850/1900 GSM/GPRS/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

This device can transmit in the 5G NR Band n77 band over four separate antennas labelled SRS-1, SRS-2, SRS-3, and SRS-4. SRS operation can occur on either the main or switching path. With SRS operations, any of these four antennas can transmit an SRS signal to check the channel quality for transmission in the n77 Band. However, these antennas cannot simultaneously transmit and only the SRS-1 antenna is capable of data transmission. The test data is marked to indicate the specific antenna transmitting in the n77 band.

| Antenna SRS-Label          | Alternate Label |
|----------------------------|-----------------|
| NR Band n77 – Main – SRS-1 | Ant F           |
| NR Band n77 – Main – SRS-2 | Ant H           |
| NR Band n77 – Main – SRS-3 | Ant K           |
| NR Band n77 – Main – SRS-4 | Ant C           |

**Table 2-1. Antenna Labelling Scheme Correlation**

| Band               | Ant1  | Ant2  | Ant3  | Ant4  |
|--------------------|-------|-------|-------|-------|
| NR Band n77 - Main | Ant F | Ant H | Ant K | Ant C |

**Table 2-2. Antenna Report Naming Convention**

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMF776B                         | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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## 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 three folder configurations: one is with folder fully open, one is where the folder is half open (90 degrees), and one is with folder closed. All configurations are tested, and the worst case radiated emissions data is shown in this report.

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.

## 2.4 Duty Cycle Information

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

For 5G NR TDD operations, the EUT was set to transmit either via a Factory Test Mode (FTM) software provided by the manufacturer or in an online mode. The EUT duty cycle was set to 100% in all cases during FTM operation. During online operation the EUT duty cycle was set to an operational max using a callbox, where the max duty cycle was determined to be 20.0%. Gated and triggered measurement settings were used in this case.

## 2.5 Software and Firmware

Testing was performed on device(s) using software/firmware version F776BXXU0AZDB 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.

## 2.7 Antenna Information

The antennas used in this device are inverted F-type antennas integrated into the EUT's outer metal frame. The antennas use aperture tuning to ensure maximum gain and efficiency for each band of operation. The antenna gains for bands under Part 27 are as follows:

| BAND | Lower Ant     |              |              | Upper Ant     |              |              |
|------|---------------|--------------|--------------|---------------|--------------|--------------|
|      | PEAK GAIN(dB) | AVG Gain(dB) | Ant Position | PEAK GAIN(dB) | AVG Gain(dB) | Ant Position |
| N77  | -2.9          | -8.0         | Main3(SRS#4) | -2.1          | -6.3         | Sub2         |
|      |               |              |              | -4.7          | -8.5         | Sub4(SRS#2)  |
|      |               |              |              | -9.1          | -13.0        | Sub7(SRS#3)  |

**Table 2-3. Antenna Gain Information**

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMF776B                         | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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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:

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

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.

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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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**

|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                               | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                    | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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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         | 2/3/2026   | Annual       | 2/3/2027   | AP1-002       |
| -                     | ETS-001  | EMC Cable and Switch System         | 1/29/2026  | Annual       | 1/29/2027  | ETS-001       |
| -                     | ETS-002  | EMC Cable and Switch System         | 1/29/2026  | Annual       | 1/29/2027  | ETS-002       |
| -                     | AP2-001  | EMC Cable and Switch System         | 1/30/2026  | Annual       | 1/30/2027  | AP2-001       |
| -                     | AP2-002  | EMC Cable and Switch System         | 1/30/2026  | Annual       | 1/30/2027  | AP2-002       |
| -                     | LTx1     | Licensed Transmitter Cable Set      | 1/30/2026  | Annual       | 1/30/2027  | LTx1          |
| -                     | LTx2     | Licensed Transmitter Cable Set      | 1/30/2026  | Annual       | 1/30/2027  | LTx2          |
| -                     | LTx6-40  | Licensed Transmitter Cable Set      | 1/30/2026  | Annual       | 1/30/2027  | LTx6-40       |
| -                     | WL40-1   | Conducted Cable Set (40GHz)         | 1/30/2026  | Annual       | 1/30/2027  | WL40-1        |
| -                     | WL40-2   | Conducted Cable Set (40GHz)         | 1/30/2026  | Annual       | 1/30/2027  | WL40-2        |
| Anritsu               | MA24408A | POWER SENSOR                        | 1/27/2026  | Annual       | 1/27/2027  | 11676         |
| Anritsu               | MT8000A  | Radio Communication Test Station    | 6/4/2025   | Annual       | 6/4/2026   | 6261914237    |
| Anritsu               | MT8000A  | Radio Communication Test Station    | 10/17/2025 | Annual       | 10/17/2026 | 6272337405    |
| 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 | N9020A   | MXA Signal Analyzer (NM)            | 6/4/2025   | Annual       | 6/4/2026   | MY54500644    |
| 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 | N9030A   | PXA Signal Analyzer                 | 6/16/2025  | Annual       | 6/16/2026  | MY55410501    |
| Rohde & Schwarz       | ESU40    | EMI Test Receiver (40GHz)           | 1/16/2026  | Annual       | 1/16/2027  | 100348        |
| Rohde & Schwarz       | ESW44    | EMI Test Receiver 2Hz to 44 GHz     | 3/11/2026  | Annual       | 3/11/2027  | 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                 | JB6      | Bi-Log Antenna (30M - 5GHz)         | 3/24/2025  | Biennial     | 3/24/2027  | A082816       |

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

### Notes:

- 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.
- Equipment with a calibration date of "N/A" shown in this list was not used to make direct calibrated measurements.

|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|
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| <b>Test Report S/N:</b><br>1M2603110020-09-R1.A3L |  | This report is Blockchain Verified. To verify the report authenticity, please visit <a href="https://www.blockchain-verified.com">HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM</a> or by clicking on the Blockchain logo. |                                      | Page 11 of 106                           |

| 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 5-2. AP1 EMC Cable and Switch System Components**

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

**Table 5-3. ETS-001 EMC Cable and Switch System Components**

| 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 5-4. ETS-002 EMC Cable and Switch System 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 5-5. AP2-001 EMC Cable and Switch System 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 5-6. AP2-002 EMC Cable and Switch System Components**

|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                               | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                    | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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| Component                                 | Serial Number    |
|-------------------------------------------|------------------|
| MegaPhase (CAGE 1GVT4) Cable TM40-K1K1-30 | 20233002 004     |
| Uniflex Micro Coax UFB 142A-Q-0984-200200 | 64639 232063 001 |
| R&S TS-PR1840                             | 9037.7670.02     |

**Table 5-7. MD 1M 18-40 EMC Cable and Switch System Components**

| 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 5-8. LTx1 Licensed Transmitter Cable Set**

| Component                                         | Serial Number |
|---------------------------------------------------|---------------|
| Keysight Directional Coupler, Model: 87300C       | 55300391      |
| Mini Circuits 6dB Attenuator, Model: BW S6 2W263+ | 1845          |
| MegaPhase Cable, Model: TM26-S1S1-30              | 20233001 006  |

**Table 5-9. LTx2 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 5-10. LTx6-40 Licensed Transmitter Cable Set**

| Component                                  | Serial Number |
|--------------------------------------------|---------------|
| MegaPhase Cable, Model: TM26-S1S1-30       | 20929201 004  |
| Pasternack 6dB Attenuator, Model: PE7005-6 | N/A           |

**Table 5-11. WL25-1 Licensed Transmitter Cable Set**

| Component                                 | Serial Number |
|-------------------------------------------|---------------|
| Mini-Circuits Cable, Model: CBL-2FT-SMSM+ | 77743         |
| MCL 6dB Attenuator, Model: BW-S6W2+       | 1314          |

**Table 5-12. WL25-2 Licensed Transmitter Cable Set**

| Component                                | Serial Number |
|------------------------------------------|---------------|
| MegaPhase Cable, Model: TM40-K1K1-36     | 18160102 001  |
| MCL 10dB Attenuator, Model: BW-K10 2W44+ | 1902          |

**Table 5-13. WL40-1 Licensed Transmitter Cable Set**

| Component                                | Serial Number |
|------------------------------------------|---------------|
| MegaPhase Cable, Model: TM40-K1K1-30     | 18165902 001  |
| MCL 10dB Attenuator, Model: BW-K10 2W44+ | 2108          |

**Table 5-14. WL40-2 Licensed Transmitter Cable Set**

|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                               | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                    | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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## 6.0 SAMPLE EMISSION DESIGNATORS

### 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: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                               | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                       | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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## 7.0 TEST RESULTS

### 7.1 Summary

Company Name: Samsung Electronics Co., Ltd.  
 FCC ID: A3LSMF776B  
 FCC Classification: PCS Licensed Transmitter Held to Ear (PCE)  
 Mode(s): NR

| Test Condition | Test Description                                       | FCC Part Section(s)        | Test Limit                                                    | Test Result | Reference         |
|----------------|--------------------------------------------------------|----------------------------|---------------------------------------------------------------|-------------|-------------------|
| CONDUCTED      | Transmitter Conducted Output Power                     | 2.1046(a), 2.1046(c)       | N/A                                                           | PASS        | Section 7.2       |
|                | Occupied Bandwidth                                     | 2.1049(h)                  | N/A                                                           | PASS        | Section 7.3       |
|                | Conducted Band Edge / Spurious Emissions (NR Band n77) | 2.1051, 27.53(l), 27.53(n) | $\leq -13$ dBm / MHz                                          | PASS        | Sections 7.4, 7.5 |
|                | Peak-to-Average Ratio (NR Band n77)                    | 27.50(j)(4), 27.50(k)(4)   | $\leq 13$ dB                                                  | PASS        | Section 7.6       |
|                | Frequency Stability                                    | 2.1055, 27.54              | Fundamental emissions stay within authorized frequency block. | PASS        | Section 7.9       |
| RADIATED       | Equivalent Isotropic Radiated Power (NR Band n77)      | 27.50(j)(3), 27.50(k)(3)   | $\leq 1$ Watt EIRP                                            | PASS        | Section 7.7       |
|                | Radiated Spurious Emissions (NR Band n77)              | 2.1053, 27.53(l), 27.53(n) | $\leq -13$ dBm / MHz                                          | PASS        | Section 7.8       |

\* 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 v2.3.0.

|                                            |                                                                                                                                                                                                                                                                                                      |                                        |                               |                                   |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMF776B                         | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | Test Dates:<br>03/18/2026 - 04/21/2026 | EUT Type:<br>Portable Handset | Approved by:<br>Technical Manager |
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## 7.2 Conducted Output Power Data

### Test Overview

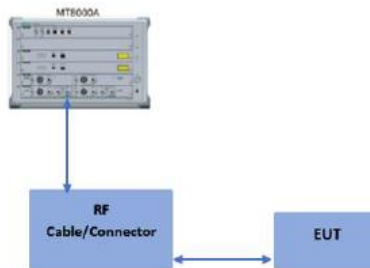
All emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation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

### Test Procedure Used

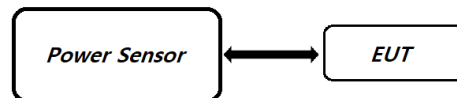
ANSI C63.26:2015 – Section 5.2

### Test Setup

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



**Figure 7-1. Test Instrument & Measurement Setup – Online Mode**



**Figure 7-2. Test Instrument & Measurement Setup – FTM Mode**

### Test Notes

1. Conducted power measurements were evaluated 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: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 100 MHz   | $\pi/2$ BPSK | 633334  | 3500.01         | 1 / 136        | 26.57                 |
|           | QPSK         | 633334  | 3500.01         | 1 / 136        | 26.60                 |
|           | 16-QAM       | 633334  | 3500.01         | 1 / 136        | 25.68                 |
| 90 MHz    | $\pi/2$ BPSK | 633000  | 3495.00         | 1 / 122        | 26.46                 |
|           |              | 633334  | 3500.01         | 1 / 122        | 26.55                 |
|           |              | 633666  | 3504.99         | 1 / 122        | 26.67                 |
|           | QPSK         | 633000  | 3495.00         | 1 / 122        | 26.32                 |
|           |              | 633334  | 3500.01         | 1 / 122        | 26.60                 |
|           |              | 633666  | 3504.99         | 1 / 122        | 26.61                 |
|           | 16-QAM       | 633000  | 3495.00         | 1 / 122        | 25.50                 |
|           |              | 633334  | 3500.01         | 1 / 122        | 25.69                 |
|           |              | 633666  | 3504.99         | 1 / 122        | 25.69                 |
| 80 MHz    | $\pi/2$ BPSK | 632668  | 3490.02         | 1 / 215        | 26.46                 |
|           |              | 633334  | 3500.01         | 1 / 108        | 26.58                 |
|           |              | 634000  | 3510.00         | 1 / 108        | 26.55                 |
|           | QPSK         | 632668  | 3490.02         | 1 / 215        | 26.45                 |
|           |              | 633334  | 3500.01         | 1 / 108        | 26.61                 |
|           |              | 634000  | 3510.00         | 1 / 108        | 26.51                 |
|           | 16-QAM       | 632668  | 3490.02         | 1 / 215        | 25.57                 |
|           |              | 633334  | 3500.01         | 1 / 108        | 25.67                 |
|           |              | 634000  | 3510.00         | 1 / 108        | 25.64                 |
| 70 MHz    | $\pi/2$ BPSK | 632334  | 3485.01         | 1 / 187        | 26.48                 |
|           |              | 633334  | 3500.01         | 1 / 94         | 26.58                 |
|           |              | 634332  | 3514.98         | 1 / 94         | 26.70                 |
|           | QPSK         | 632334  | 3485.01         | 1 / 187        | 26.48                 |
|           |              | 633334  | 3500.01         | 1 / 187        | 26.36                 |
|           |              | 634332  | 3514.98         | 1 / 94         | 26.55                 |
|           | 16-QAM       | 632334  | 3485.01         | 1 / 187        | 25.55                 |
|           |              | 633334  | 3500.01         | 1 / 187        | 25.42                 |
|           |              | 634332  | 3514.98         | 1 / 94         | 25.58                 |
| 60 MHz    | $\pi/2$ BPSK | 632000  | 3480.00         | 1 / 160        | 26.67                 |
|           |              | 633334  | 3500.01         | 1 / 81         | 26.57                 |
|           |              | 634666  | 3519.99         | 1 / 160        | 26.98                 |
|           | QPSK         | 632000  | 3480.00         | 1 / 160        | 26.68                 |
|           |              | 633334  | 3500.01         | 1 / 81         | 26.57                 |
|           |              | 634666  | 3519.99         | 1 / 160        | 26.96                 |
|           | 16-QAM       | 632000  | 3480.00         | 1 / 160        | 25.80                 |
|           |              | 633334  | 3500.01         | 1 / 81         | 25.70                 |
|           |              | 634666  | 3519.99         | 1 / 160        | 26.05                 |
| 50 MHz    | $\pi/2$ BPSK | 631668  | 3475.02         | 1 / 131        | 26.61                 |
|           |              | 633334  | 3500.01         | 1 / 66         | 26.57                 |
|           |              | 635000  | 3525.00         | 1 / 1          | 26.66                 |
|           | QPSK         | 631668  | 3475.02         | 1 / 131        | 26.56                 |
|           |              | 633334  | 3500.01         | 1 / 66         | 26.61                 |
|           |              | 635000  | 3525.00         | 1 / 1          | 26.68                 |
|           | 16-QAM       | 631668  | 3475.02         | 1 / 131        | 25.68                 |
|           |              | 633334  | 3500.01         | 1 / 66         | 25.68                 |
|           |              | 635000  | 3525.00         | 1 / 1          | 25.76                 |

**Table 7-2. Conducted Power Results – n77 – Ant1 – DoD Band – Main**

|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                               | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                    | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2603110020-09-R1.A3L |  | This report is Blockchain Verified. To verify the report authenticity, please visit <a href="https://www.blockchain-verified.com">HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM</a> or by clicking on the Blockchain logo. |                                      | Page 17 of 106                           |

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 40 MHz    | $\pi/2$ BPSK | 631334  | 3470.01         | 1 / 104        | 26.31                 |
|           |              | 633334  | 3500.01         | 1 / 53         | 26.58                 |
|           |              | 635332  | 3529.98         | 1 / 1          | 26.55                 |
|           | QPSK         | 631334  | 3470.01         | 1 / 104        | 26.31                 |
|           |              | 633334  | 3500.01         | 1 / 53         | 26.56                 |
|           |              | 635332  | 3529.98         | 1 / 1          | 26.53                 |
|           | 16-QAM       | 631334  | 3470.01         | 1 / 104        | 25.45                 |
|           |              | 633334  | 3500.01         | 1 / 53         | 25.71                 |
|           |              | 635332  | 3529.98         | 1 / 1          | 25.65                 |
| 30 MHz    | $\pi/2$ BPSK | 631000  | 3465.00         | 1 / 1          | 25.93                 |
|           |              | 633334  | 3500.01         | 1 / 39         | 26.60                 |
|           |              | 635666  | 3534.99         | 1 / 1          | 26.48                 |
|           | QPSK         | 631000  | 3465.00         | 1 / 1          | 25.92                 |
|           |              | 633334  | 3500.01         | 1 / 39         | 26.57                 |
|           |              | 635666  | 3534.99         | 1 / 1          | 26.38                 |
|           | 16-QAM       | 631000  | 3465.00         | 1 / 1          | 25.00                 |
|           |              | 633334  | 3500.01         | 1 / 39         | 25.67                 |
|           |              | 635666  | 3534.99         | 1 / 1          | 25.45                 |
| 20 MHz    | $\pi/2$ BPSK | 630668  | 3460.02         | 1 / 1          | 25.92                 |
|           |              | 633334  | 3500.01         | 1 / 25         | 26.56                 |
|           |              | 636000  | 3540.00         | 1 / 1          | 26.15                 |
|           | QPSK         | 630668  | 3460.02         | 1 / 1          | 25.92                 |
|           |              | 633334  | 3500.01         | 1 / 49         | 26.54                 |
|           |              | 636000  | 3540.00         | 1 / 1          | 26.16                 |
|           | 16-QAM       | 630668  | 3460.02         | 1 / 1          | 25.05                 |
|           |              | 633334  | 3500.01         | 1 / 49         | 25.70                 |
|           |              | 636000  | 3540.00         | 1 / 1          | 25.28                 |
| 15 MHz    | $\pi/2$ BPSK | 630500  | 3457.50         | 1 / 19         | 25.91                 |
|           |              | 633334  | 3500.01         | 1 / 19         | 26.56                 |
|           |              | 636166  | 3542.49         | 1 / 1          | 26.18                 |
|           | QPSK         | 630500  | 3457.50         | 1 / 19         | 25.84                 |
|           |              | 633334  | 3500.01         | 1 / 19         | 26.56                 |
|           |              | 636166  | 3542.49         | 1 / 1          | 26.19                 |
|           | 16-QAM       | 630500  | 3457.50         | 1 / 19         | 25.01                 |
|           |              | 633334  | 3500.01         | 1 / 19         | 25.64                 |
|           |              | 636166  | 3542.49         | 1 / 1          | 25.25                 |
| 10 MHz    | $\pi/2$ BPSK | 630334  | 3455.01         | 1 / 1          | 25.86                 |
|           |              | 633334  | 3500.01         | 1 / 22         | 26.56                 |
|           |              | 636332  | 3544.98         | 1 / 12         | 26.20                 |
|           | QPSK         | 630334  | 3455.01         | 1 / 1          | 25.87                 |
|           |              | 633334  | 3500.01         | 1 / 22         | 26.57                 |
|           |              | 636332  | 3544.98         | 1 / 12         | 26.14                 |
|           | 16-QAM       | 630334  | 3455.01         | 1 / 1          | 24.99                 |
|           |              | 633334  | 3500.01         | 1 / 22         | 25.68                 |
|           |              | 636332  | 3544.98         | 1 / 12         | 25.37                 |

**Table 7-3. Conducted Power Results – n77 – Ant1 – DoD Band – Main**

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2603110020-09-R1.A3L |  This report is Blockchain Verified. To verify the report authenticity, please visit <a href="https://www.blockchain-verified.com">HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM</a> or by clicking on the Blockchain logo. |                                               |                                      | Page 18 of 106                           |

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 100 MHz   | $\pi/2$ BPSK | 633334  | 3500.01         | 1 / 271        | 25.63                 |
|           | QPSK         | 633334  | 3500.01         | 1 / 271        | 25.53                 |
|           | 16-QAM       | 633334  | 3500.01         | 1 / 271        | 24.51                 |

**Table 7-4. Conducted Power Results – n77 – Ant2 – DoD Band – Main**

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 100 MHz   | $\pi/2$ BPSK | 633334  | 3500.01         | 1 / 136        | 25.75                 |
|           | QPSK         | 633334  | 3500.01         | 1 / 136        | 25.62                 |
|           | 16-QAM       | 633334  | 3500.01         | 1 / 136        | 25.35                 |

**Table 7-5. Conducted Power Results – n77 – Ant3 – DoD Band – Main**

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 100 MHz   | $\pi/2$ BPSK | 633334  | 3500.01         | 1 / 136        | 25.52                 |
|           | QPSK         | 633334  | 3500.01         | 1 / 136        | 24.54                 |
|           | 16-QAM       | 633334  | 3500.01         | 1 / 136        | 25.12                 |

**Table 7-6. Conducted Power Results – n77 – Ant4 – DoD Band – Main**

|                                            |                                                                                                                                                                                                                                                                                                      |  |                                        |                               |                                   |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMF776B                         | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                |  | Test Dates:<br>03/18/2026 - 04/21/2026 | EUT Type:<br>Portable Handset | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2603110020-09-R1.A3L |  This report is Blockchain Verified. To verify the report authenticity, please visit <a href="https://www.blockchain-verified.com">HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM</a> or by clicking on the Blockchain logo. |  |                                        |                               | Page 19 of 106                    |

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 100 MHz   | $\pi/2$ BPSK | 650000  | 3750.00         | 1 / 1          | 26.99                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 26.16                 |
|           |              | 662000  | 3930.00         | 1 / 1          | 25.49                 |
|           | QPSK         | 650000  | 3750.00         | 1 / 1          | 26.97                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 26.16                 |
|           |              | 662000  | 3930.00         | 1 / 1          | 25.48                 |
|           | 16-QAM       | 650000  | 3750.00         | 1 / 1          | 26.27                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.27                 |
|           |              | 662000  | 3930.00         | 1 / 1          | 24.61                 |
| 90 MHz    | $\pi/2$ BPSK | 649668  | 3745.02         | 1 / 1          | 26.98                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 26.03                 |
|           |              | 662332  | 3934.98         | 1 / 1          | 25.63                 |
|           | QPSK         | 649668  | 3745.02         | 1 / 1          | 26.95                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 26.03                 |
|           |              | 662332  | 3934.98         | 1 / 1          | 25.63                 |
|           | 16-QAM       | 649668  | 3745.02         | 1 / 1          | 26.20                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.15                 |
|           |              | 662332  | 3934.98         | 1 / 1          | 24.77                 |
| 80 MHz    | $\pi/2$ BPSK | 649334  | 3740.01         | 1 / 1          | 26.88                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.87                 |
|           |              | 662666  | 3939.99         | 1 / 1          | 25.58                 |
|           | QPSK         | 649334  | 3740.01         | 1 / 1          | 26.87                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.89                 |
|           |              | 662666  | 3939.99         | 1 / 1          | 25.58                 |
|           | 16-QAM       | 649334  | 3740.01         | 1 / 1          | 26.00                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 24.99                 |
|           |              | 662666  | 3939.99         | 1 / 1          | 24.72                 |
| 70 MHz    | $\pi/2$ BPSK | 649000  | 3735.00         | 1 / 1          | 26.75                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.64                 |
|           |              | 663000  | 3945.00         | 1 / 1          | 25.50                 |
|           | QPSK         | 649000  | 3735.00         | 1 / 1          | 26.74                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.64                 |
|           |              | 663000  | 3945.00         | 1 / 1          | 25.50                 |
|           | 16-QAM       | 649000  | 3735.00         | 1 / 1          | 25.88                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 24.77                 |
|           |              | 663000  | 3945.00         | 1 / 1          | 24.65                 |
| 60 MHz    | $\pi/2$ BPSK | 648668  | 3730.02         | 1 / 1          | 26.82                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.45                 |
|           |              | 663332  | 3949.98         | 1 / 81         | 25.52                 |
|           | QPSK         | 648668  | 3730.02         | 1 / 1          | 26.81                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.45                 |
|           |              | 663332  | 3949.98         | 1 / 81         | 25.53                 |
|           | 16-QAM       | 648668  | 3730.02         | 1 / 1          | 25.90                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 24.59                 |
|           |              | 663332  | 3949.98         | 1 / 81         | 24.70                 |
| 50 MHz    | $\pi/2$ BPSK | 648334  | 3725.01         | 1 / 1          | 26.68                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.27                 |
|           |              | 663666  | 3954.99         | 1 / 1          | 25.51                 |
|           | QPSK         | 648334  | 3725.01         | 1 / 1          | 26.68                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.27                 |
|           |              | 663666  | 3954.99         | 1 / 1          | 25.52                 |
|           | 16-QAM       | 648334  | 3725.01         | 1 / 1          | 25.75                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 24.35                 |
|           |              | 663666  | 3954.99         | 1 / 1          | 24.59                 |

**Table 7-7. Conducted Power Results – n77 – Ant1 – C-Band – Main**

|                                            |                                                                                                                                                                                                                                                                                                      |  |                                        |                               |                                   |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMF776B                         | PART 27<br>MEASUREMENT REPORT                                                                                                                                                                                                                                                                        |  | Test Dates:<br>03/18/2026 - 04/21/2026 | EUT Type:<br>Portable Handset | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2603110020-09-R1.A3L |  This report is Blockchain Verified. To verify the report authenticity, please visit <a href="https://www.blockchain-verified.com">HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM</a> or by clicking on the Blockchain logo. |  |                                        |                               | Page 20 of 106                    |

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 40 MHz    | $\pi/2$ BPSK | 648000  | 3720.00         | 1 / 1          | 26.72                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.12                 |
|           |              | 664000  | 3960.00         | 1 / 1          | 25.48                 |
|           | QPSK         | 648000  | 3720.00         | 1 / 1          | 26.72                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.12                 |
|           |              | 664000  | 3960.00         | 1 / 1          | 25.48                 |
|           | 16-QAM       | 648000  | 3720.00         | 1 / 1          | 25.84                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 24.25                 |
|           |              | 664000  | 3960.00         | 1 / 1          | 24.60                 |
| 30 MHz    | $\pi/2$ BPSK | 647668  | 3715.02         | 1 / 1          | 26.58                 |
|           |              | 656000  | 3840.00         | 1 / 39         | 25.01                 |
|           |              | 664332  | 3964.98         | 1 / 1          | 25.59                 |
|           | QPSK         | 647668  | 3715.02         | 1 / 1          | 26.58                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 24.98                 |
|           |              | 664332  | 3964.98         | 1 / 1          | 25.58                 |
|           | 16-QAM       | 647668  | 3715.02         | 1 / 1          | 25.66                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 24.14                 |
|           |              | 664332  | 3964.98         | 1 / 1          | 24.74                 |
| 20 MHz    | $\pi/2$ BPSK | 647334  | 3710.01         | 1 / 25         | 26.67                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 24.88                 |
|           |              | 664666  | 3969.99         | 1 / 1          | 25.31                 |
|           | QPSK         | 647334  | 3710.01         | 1 / 1          | 26.66                 |
|           |              | 656000  | 3840.00         | 1 / 25         | 24.90                 |
|           |              | 664666  | 3969.99         | 1 / 1          | 25.31                 |
|           | 16-QAM       | 647334  | 3710.01         | 1 / 1          | 25.76                 |
|           |              | 656000  | 3840.00         | 1 / 25         | 24.04                 |
|           |              | 664666  | 3969.99         | 1 / 1          | 24.44                 |
| 15 MHz    | $\pi/2$ BPSK | 647168  | 3707.52         | 1 / 19         | 26.65                 |
|           |              | 656000  | 3840.00         | 1 / 19         | 24.98                 |
|           |              | 664832  | 3972.48         | 1 / 1          | 25.22                 |
|           | QPSK         | 647168  | 3707.52         | 1 / 1          | 26.60                 |
|           |              | 656000  | 3840.00         | 1 / 19         | 24.89                 |
|           |              | 664832  | 3972.48         | 1 / 1          | 25.23                 |
|           | 16-QAM       | 647168  | 3707.52         | 1 / 19         | 25.81                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 23.99                 |
|           |              | 664832  | 3972.48         | 1 / 1          | 24.35                 |
| 10 MHz    | $\pi/2$ BPSK | 647000  | 3705.00         | 1 / 12         | 26.59                 |
|           |              | 656000  | 3840.00         | 1 / 12         | 24.98                 |
|           |              | 664332  | 3975.00         | 1 / 1          | 25.04                 |
|           | QPSK         | 647000  | 3705.00         | 1 / 12         | 26.57                 |
|           |              | 656000  | 3840.00         | 1 / 12         | 24.89                 |
|           |              | 664332  | 3975.00         | 1 / 1          | 25.04                 |
|           | 16-QAM       | 647000  | 3705.00         | 1 / 12         | 25.73                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 23.94                 |
|           |              | 664332  | 3975.00         | 1 / 1          | 24.12                 |

**Table 7-8. Conducted Power Results – n77 – Ant1 – C-Band – Main**

|                                            |                                                                                                                                                                                                                                                                                                      |                                        |                               |                                   |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMF776B                         | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | Test Dates:<br>03/18/2026 - 04/21/2026 | EUT Type:<br>Portable Handset | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2603110020-09-R1.A3L |  This report is Blockchain Verified. To verify the report authenticity, please visit <a href="https://www.blockchain-verified.com">HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM</a> or by clicking on the Blockchain logo. |                                        |                               | Page 21 of 106                    |

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 100 MHz   | $\pi/2$ BPSK | 650000  | 3750.00         | 1 / 136        | 25.91                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.02                 |
|           |              | 662000  | 3930.00         | 1 / 271        | 25.61                 |
|           | QPSK         | 650000  | 3750.00         | 1 / 136        | 25.52                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.01                 |
|           |              | 662000  | 3930.00         | 1 / 271        | 25.20                 |
|           | 16-QAM       | 650000  | 3750.00         | 1 / 136        | 24.98                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 24.46                 |
|           |              | 662000  | 3930.00         | 1 / 271        | 24.18                 |

Table 7-9. Conducted Power Results – n77 – Ant2 – C-Band – Main

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 100 MHz   | $\pi/2$ BPSK | 650000  | 3750.00         | 1 / 271        | 25.99                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.99                 |
|           |              | 662000  | 3930.00         | 1 / 1          | 25.08                 |
|           | QPSK         | 650000  | 3750.00         | 1 / 271        | 25.99                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.99                 |
|           |              | 662000  | 3930.00         | 1 / 1          | 25.15                 |
|           | 16-QAM       | 650000  | 3750.00         | 1 / 271        | 25.71                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.82                 |
|           |              | 662000  | 3930.00         | 1 / 1          | 24.71                 |

Table 7-10. Conducted Power Results – n77 – Ant3 – C-Band – Main

| Bandwidth | Modulation   | Channel | Frequency [MHz] | RB Size/Offset | Conducted Power [dBm] |
|-----------|--------------|---------|-----------------|----------------|-----------------------|
| 100 MHz   | $\pi/2$ BPSK | 650000  | 3750.00         | 1 / 1          | 25.99                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.94                 |
|           |              | 662000  | 3930.00         | 1 / 1          | 24.94                 |
|           | QPSK         | 650000  | 3750.00         | 1 / 1          | 25.66                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.99                 |
|           |              | 662000  | 3930.00         | 1 / 1          | 25.81                 |
|           | 16-QAM       | 650000  | 3750.00         | 1 / 1          | 25.03                 |
|           |              | 656000  | 3840.00         | 1 / 1          | 25.55                 |
|           |              | 662000  | 3930.00         | 1 / 1          | 24.17                 |

Table 7-11. Conducted Power Results – n77 – Ant4 – C-Band – Main

|                                            |                                                                                                                                                                                                                                                                                                      |  |                                        |                               |                                   |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMF776B                         | PART 27<br>MEASUREMENT REPORT                                                                                                                                                                                                                                                                        |  | Test Dates:<br>03/18/2026 - 04/21/2026 | EUT Type:<br>Portable Handset | Approved by:<br>Technical Manager |
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## 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

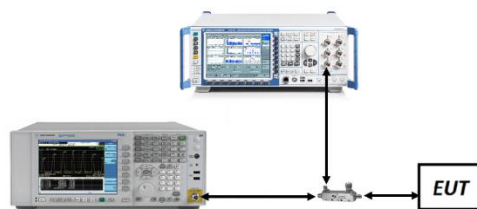
ANSI C63.26:2015 – Section 5.4.4

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

### Test Notes

None.

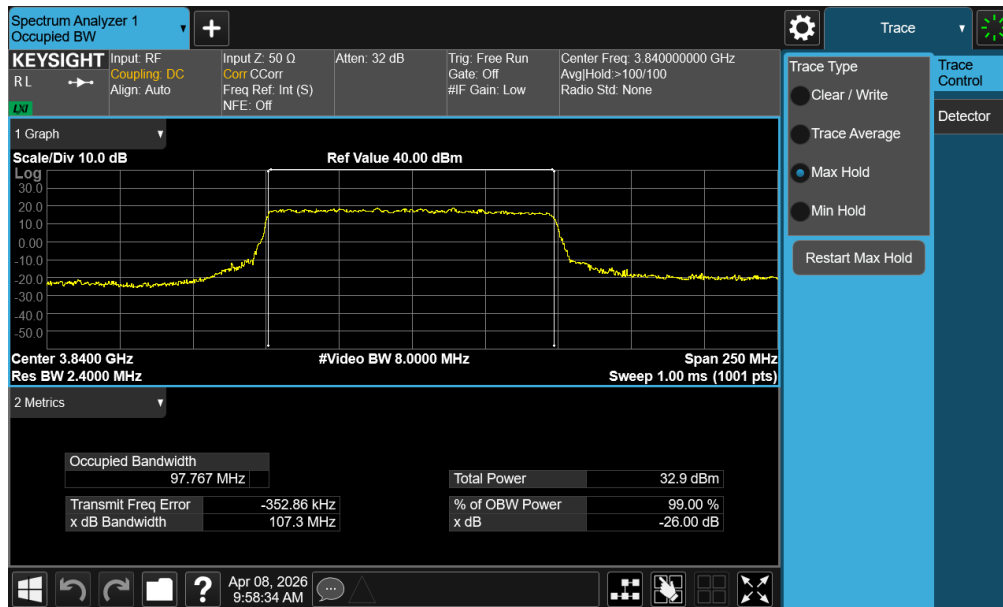
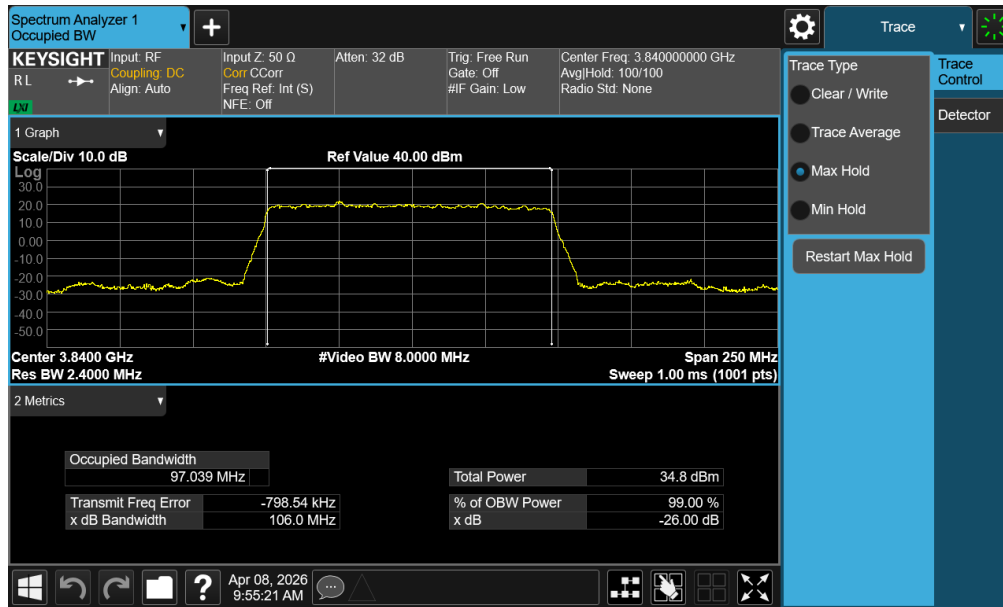
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| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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| Mode                                | Bandwidth | OBW [MHz] |
|-------------------------------------|-----------|-----------|
| NR Band n77 PC2<br>(3700 - 3980MHz) | 100 MHz   | 97.039    |
|                                     |           | 97.767    |
|                                     |           | 97.641    |
|                                     | 90 MHz    | 87.357    |
|                                     |           | 87.974    |
|                                     |           | 87.834    |
|                                     | 80 MHz    | 77.504    |
|                                     |           | 77.883    |
|                                     |           | 77.767    |
|                                     | 70 MHz    | 64.791    |
|                                     |           | 67.922    |
|                                     |           | 67.787    |
|                                     | 60 MHz    | 58.333    |
|                                     |           | 58.323    |
|                                     |           | 58.315    |
|                                     | 50 MHz    | 46.069    |
|                                     |           | 47.832    |
|                                     |           | 47.812    |
|                                     | 40 MHz    | 36.127    |
|                                     |           | 38.247    |
|                                     |           | 38.174    |
|                                     | 30 MHz    | 27.137    |
|                                     |           | 28.061    |
|                                     |           | 28.143    |
|                                     | 20 MHz    | 18.097    |
|                                     |           | 18.361    |
|                                     |           | 18.381    |
|                                     | 15 MHz    | 13.065    |
|                                     |           | 13.696    |
|                                     |           | 13.722    |
|                                     | 10 MHz    | 8.734     |
|                                     |           | 8.752     |
|                                     |           | 8.732     |

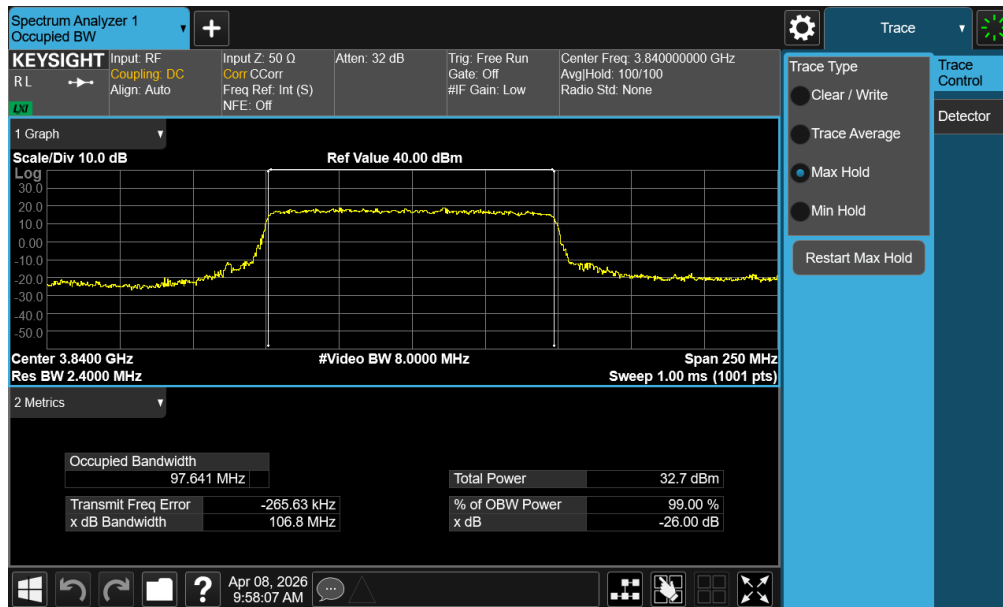
**Table 7-12. Occupied Bandwidth Results - Ant1 - C Band – Main**

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMF776B                         | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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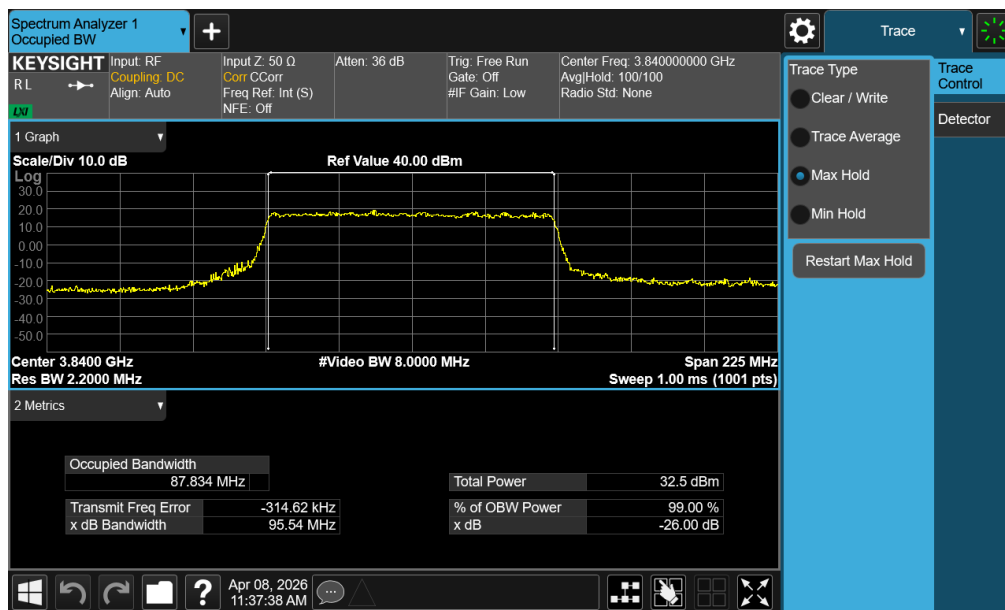
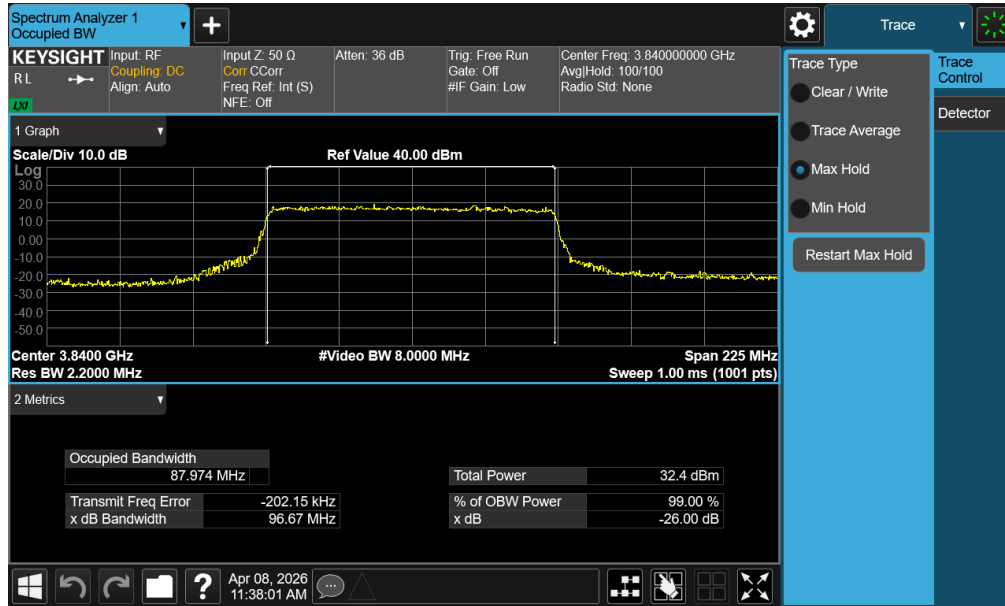
## NR Band n77PC2 – Ant1 - C-Band - Main



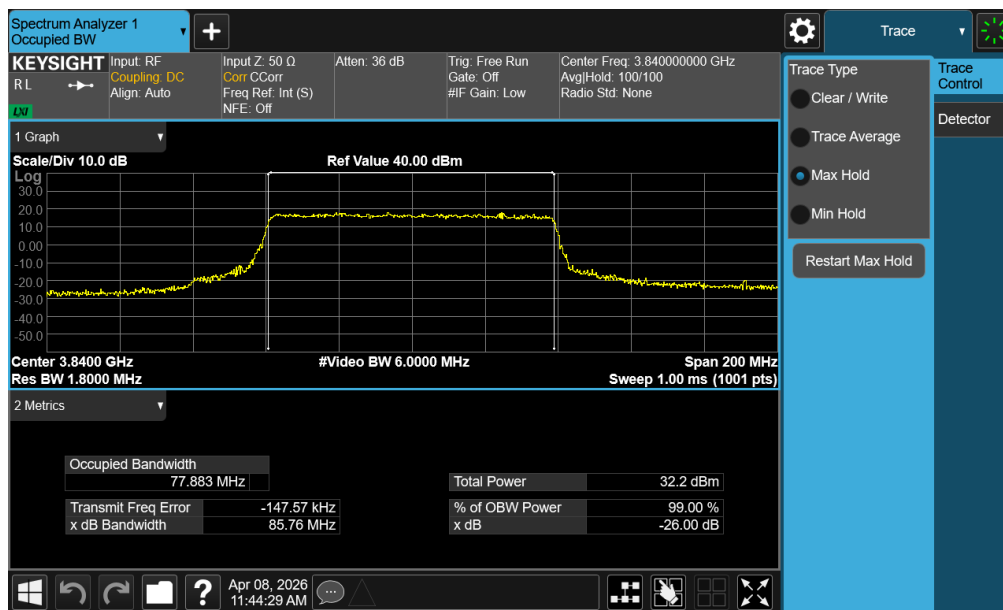
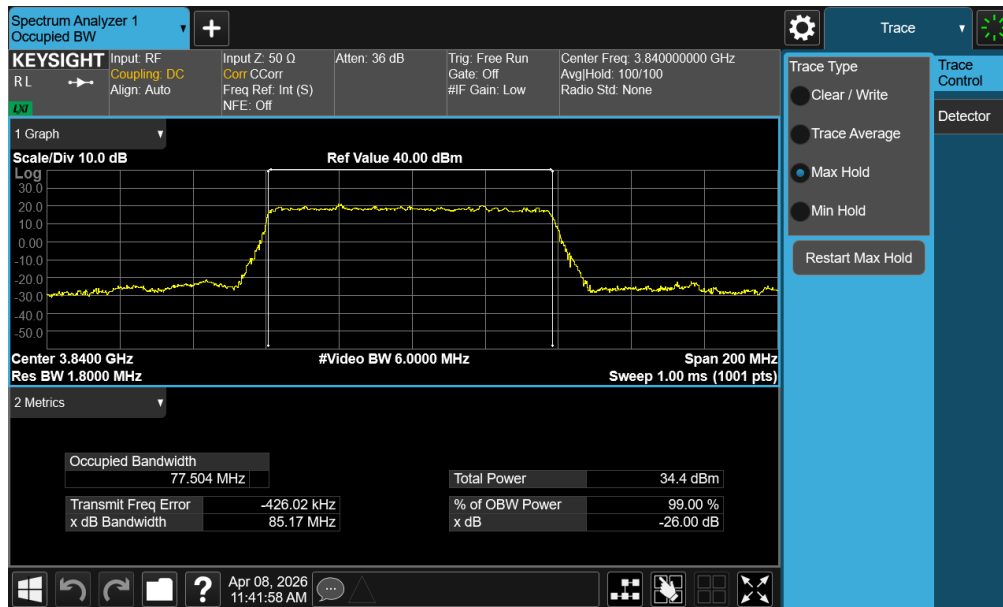
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| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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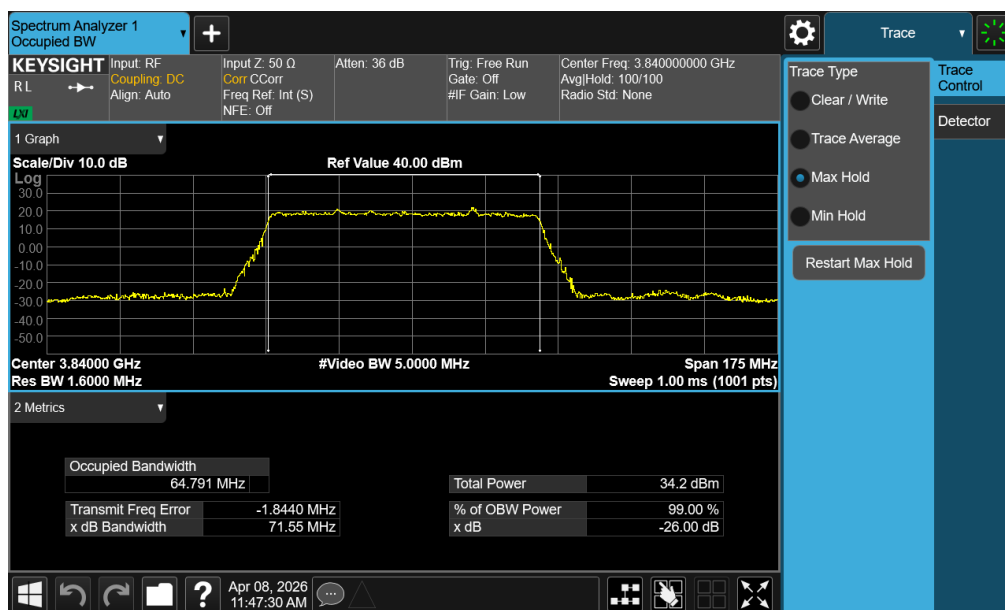
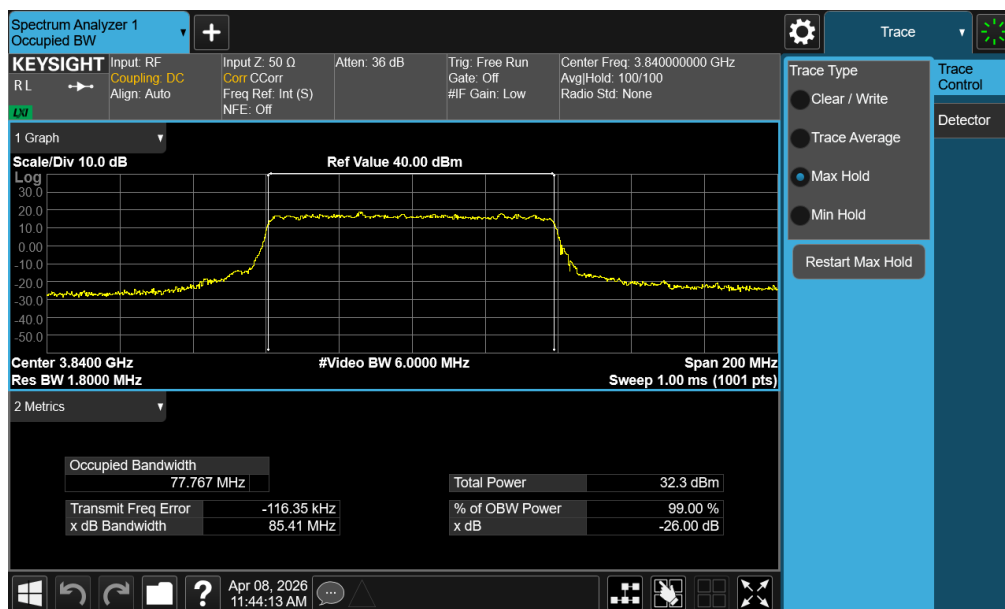
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| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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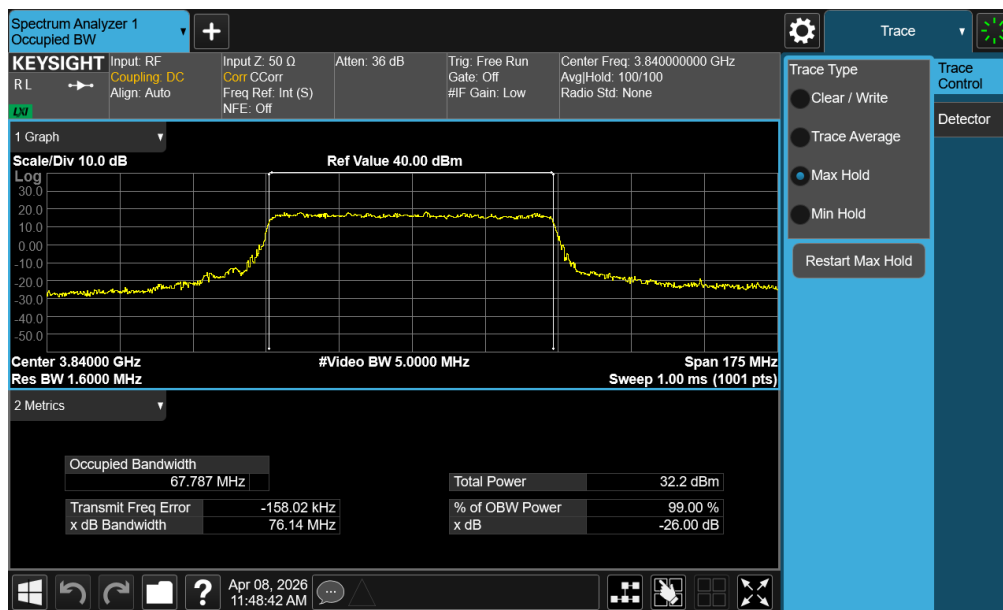
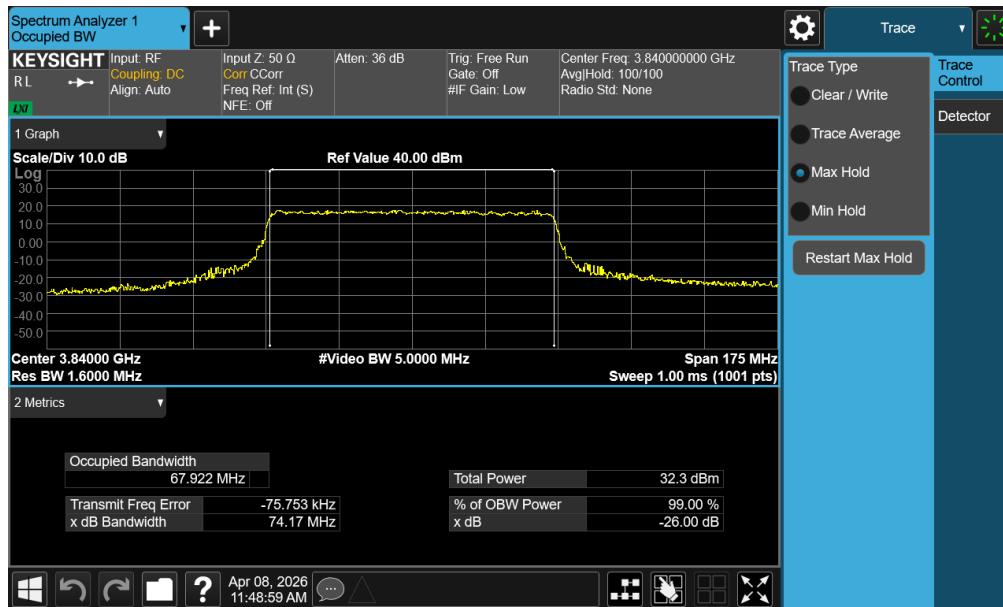
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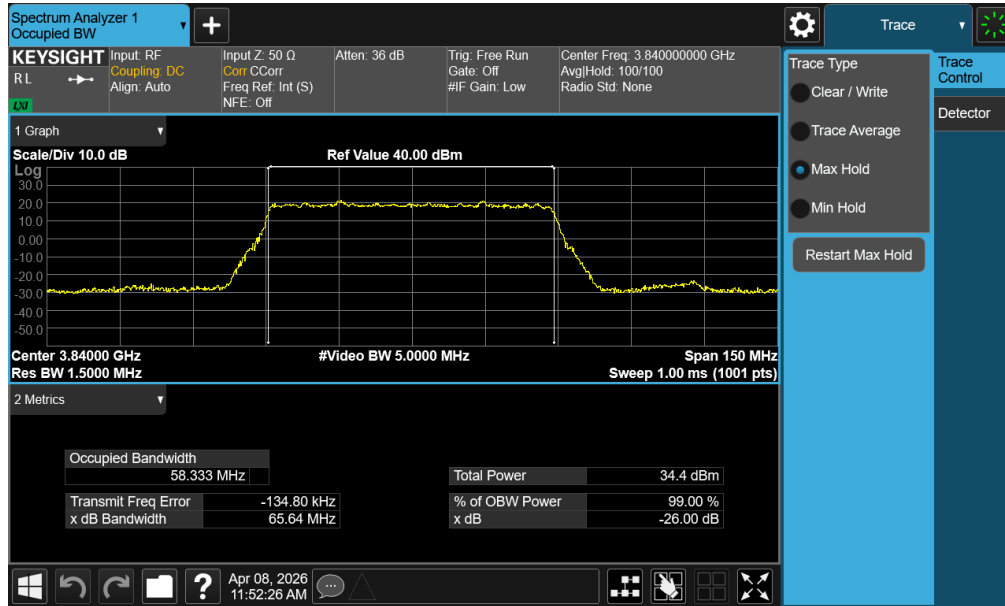
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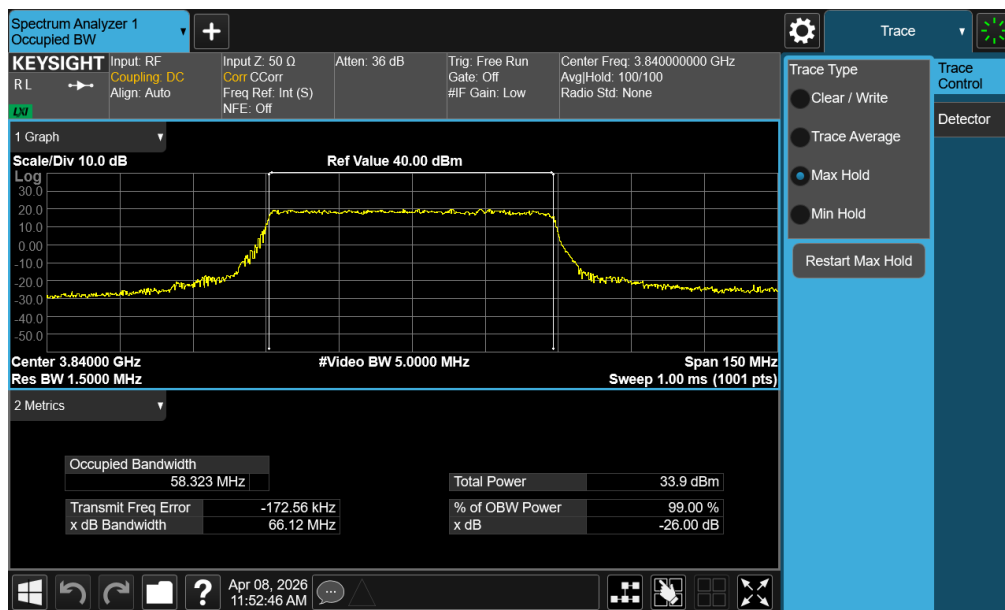
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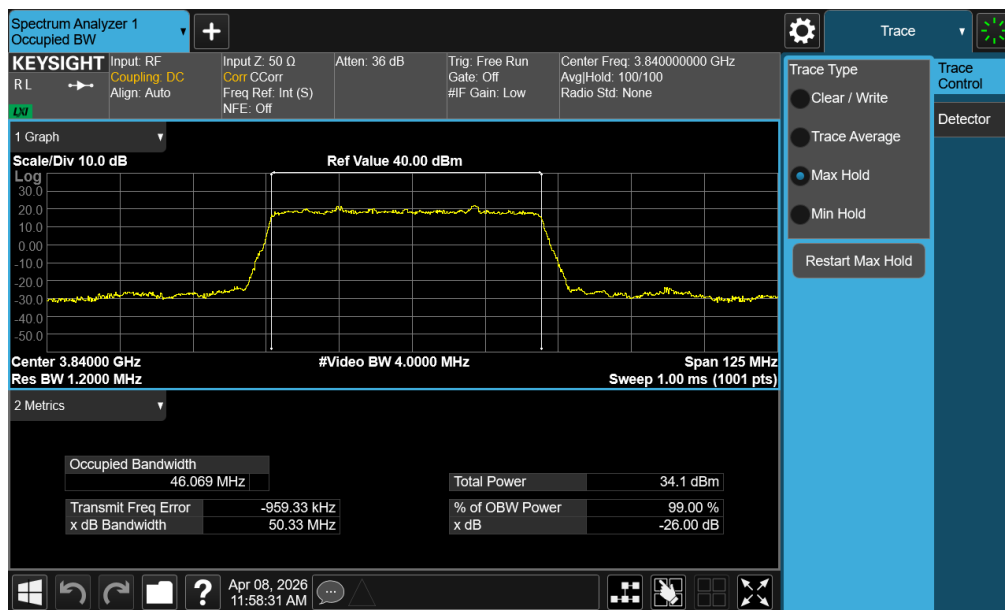
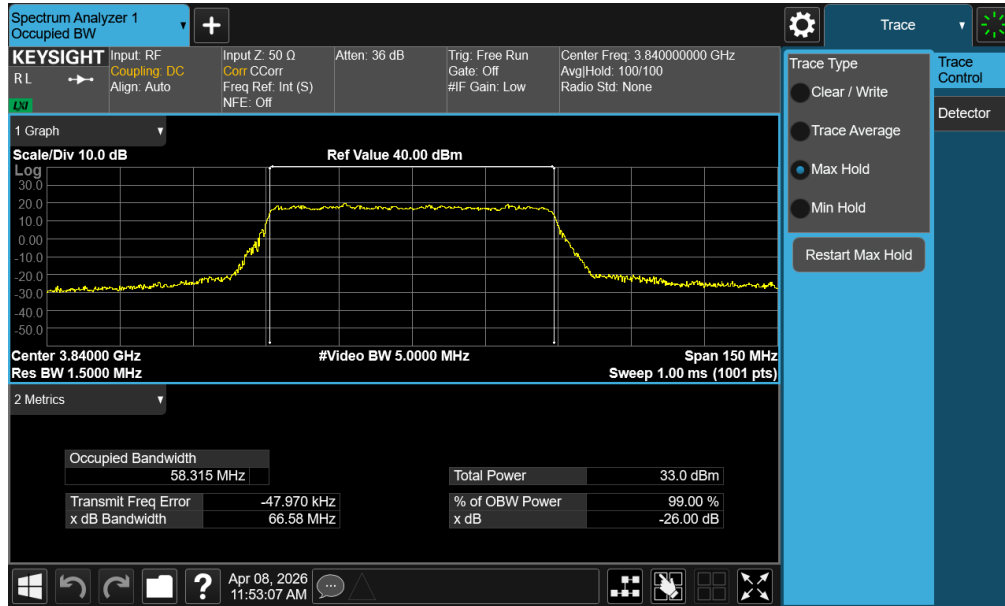


Plot 7-13. Occupied Bandwidth Plot (NR Band n77 - 60MHz  $\pi/2$  BPSK - Full RB - Ant1)

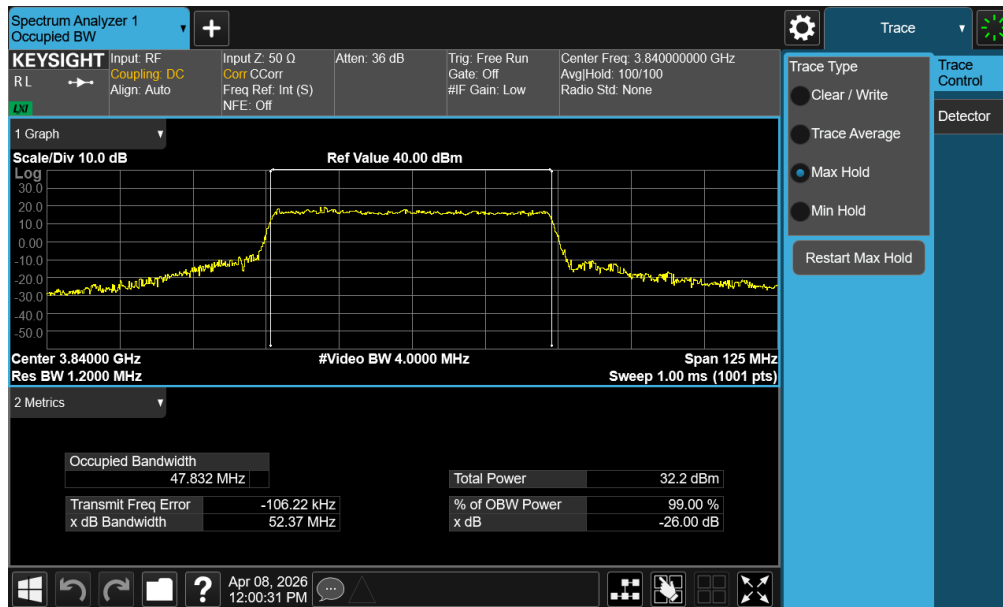


Plot 7-14. Occupied Bandwidth Plot (NR Band n77 - 60MHz QPSK - Full RB - Ant1)

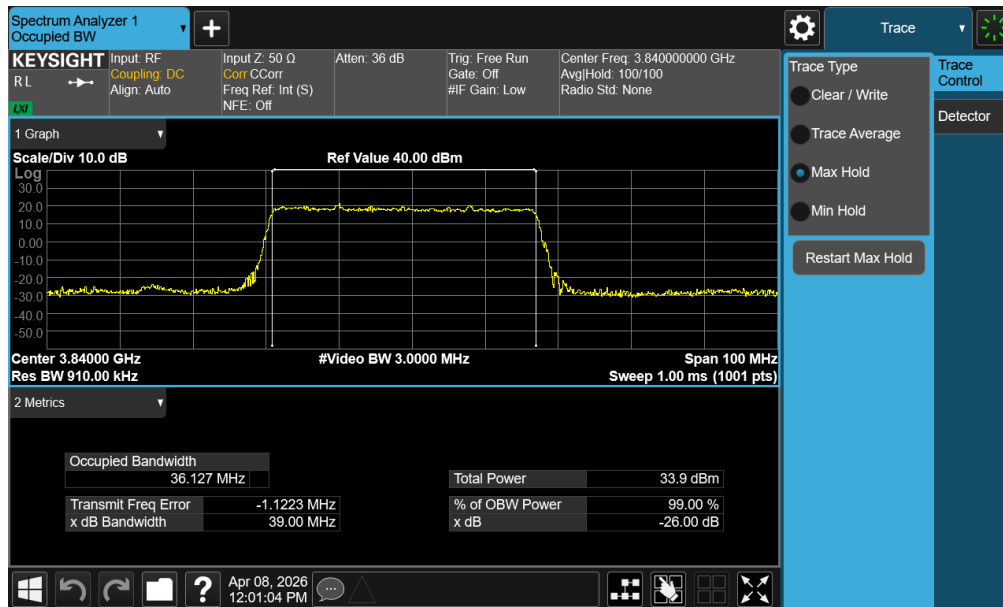
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| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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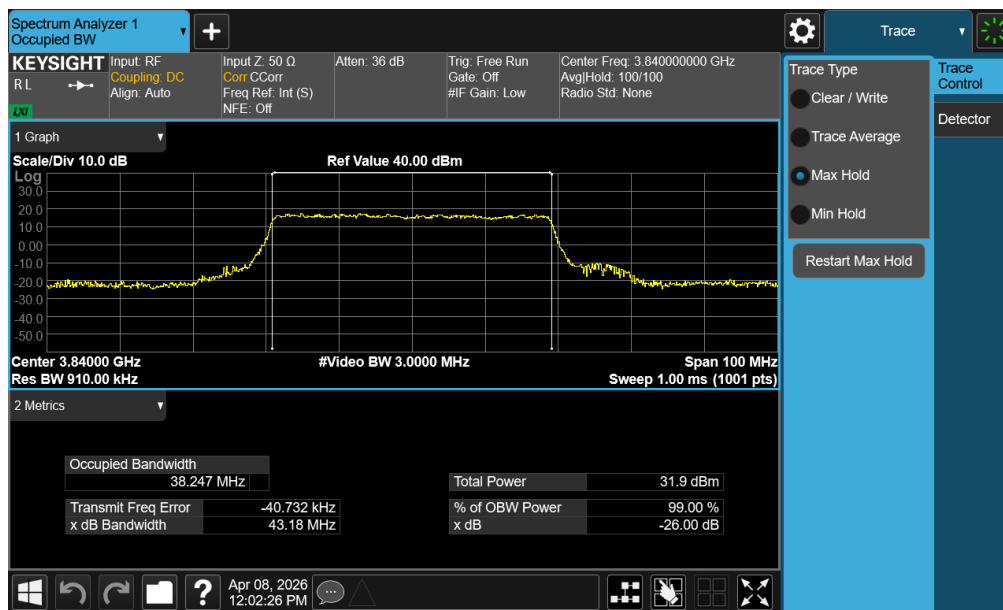
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| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                         | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                    | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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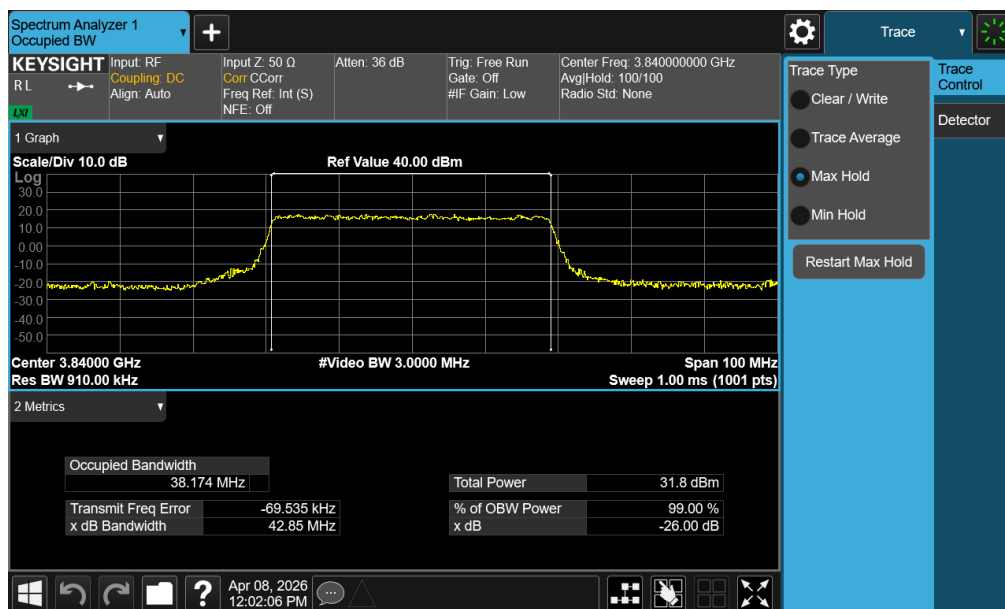


Plot 7-19. Occupied Bandwidth Plot (NR Band n77 - 40MHz  $\pi/2$  BPSK - Full RB - Ant1)

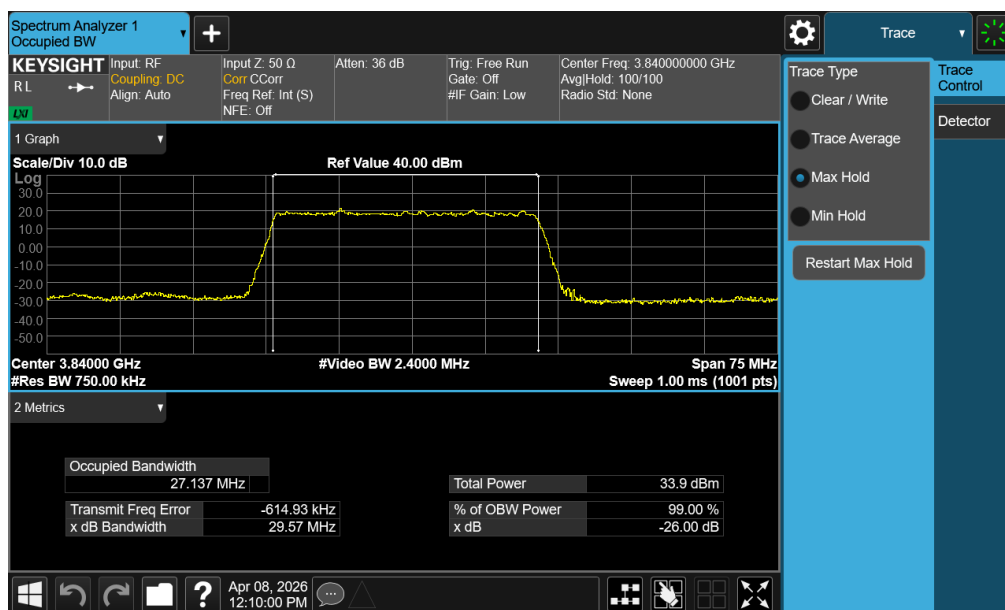


Plot 7-20. Occupied Bandwidth Plot (NR Band n77 - 40MHz QPSK - Full RB - Ant1)

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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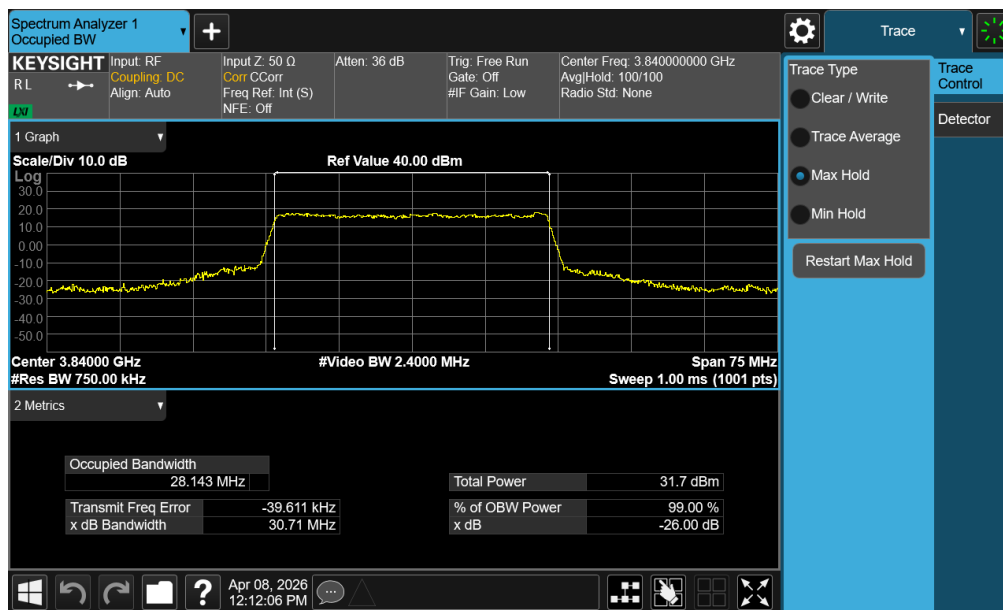
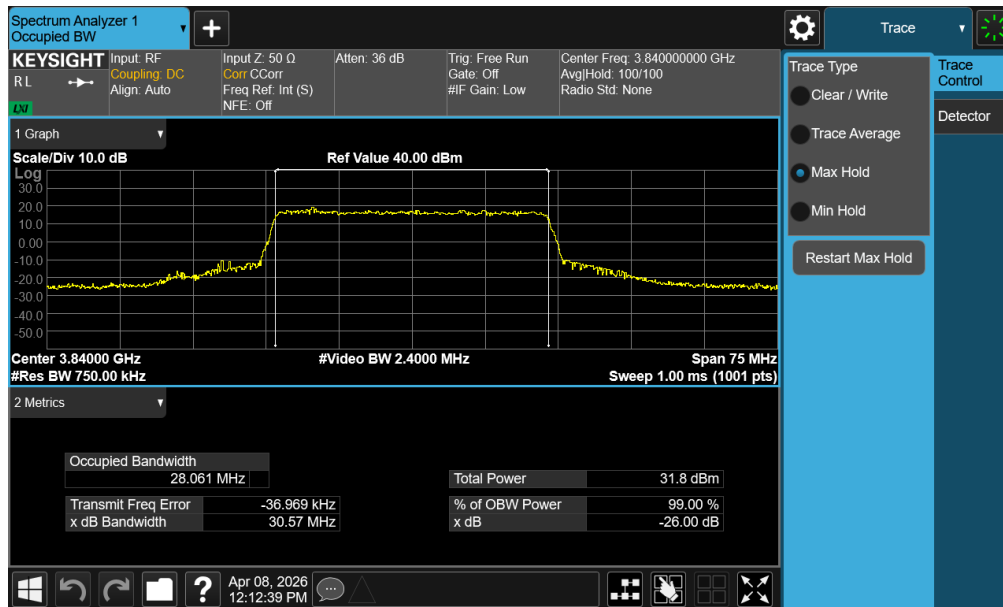


Plot 7-21. Occupied Bandwidth Plot (NR Band n77 - 40MHz 16-QAM - Full RB - Ant1)

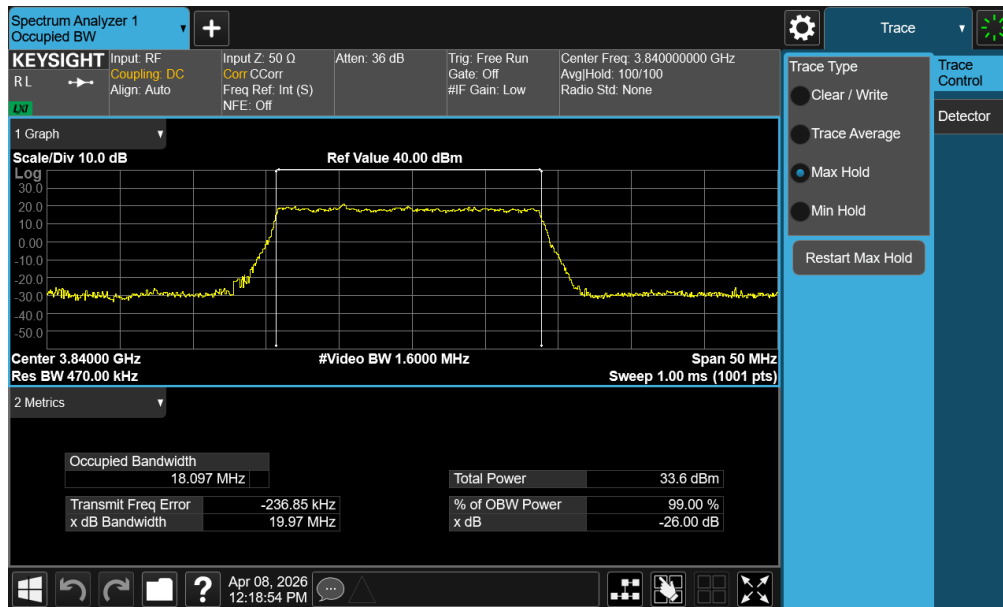


Plot 7-22. Occupied Bandwidth Plot (NR Band n77 - 30MHz  $\pi/2$  BPSK - Full RB - Ant1)

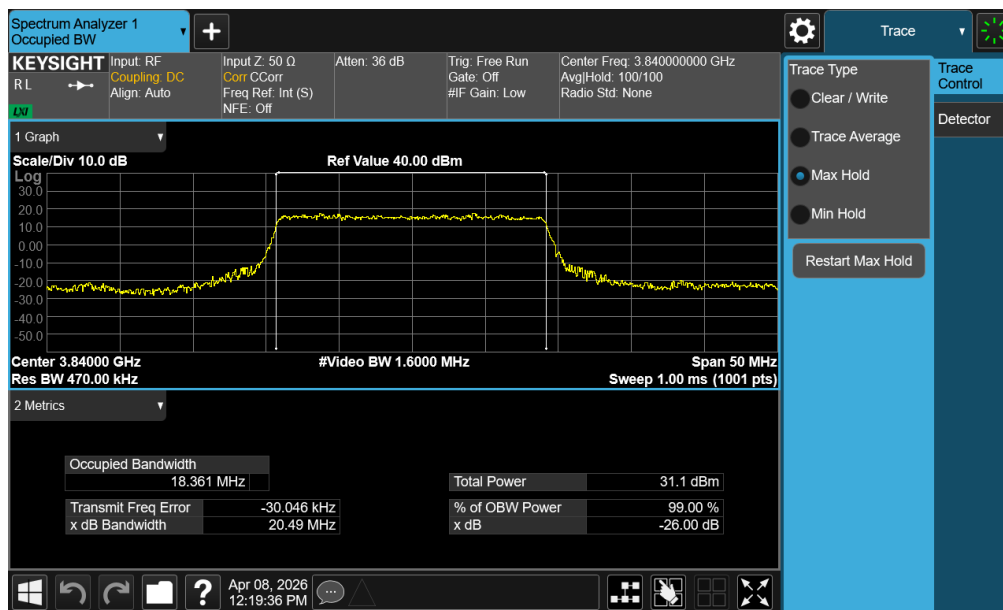
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| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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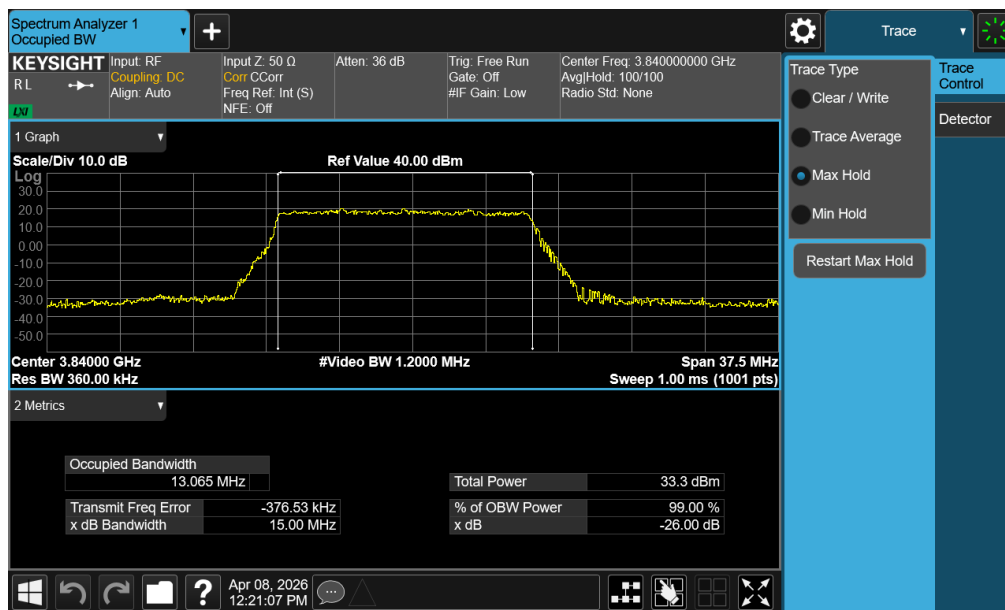
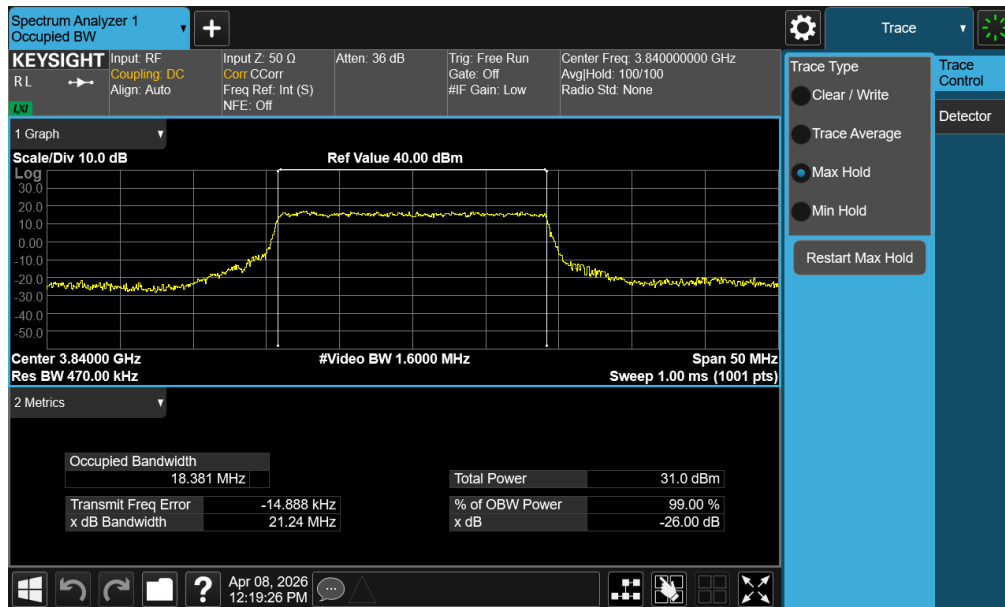


Plot 7-25. Occupied Bandwidth Plot (NR Band n77 - 20MHz  $\pi/2$  BPSK - Full RB - Ant1)

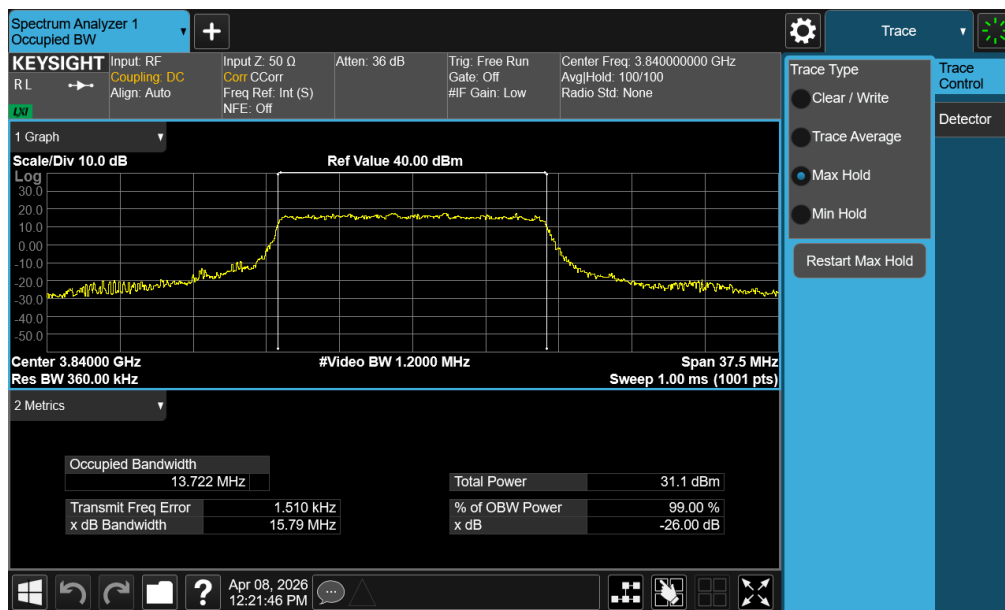
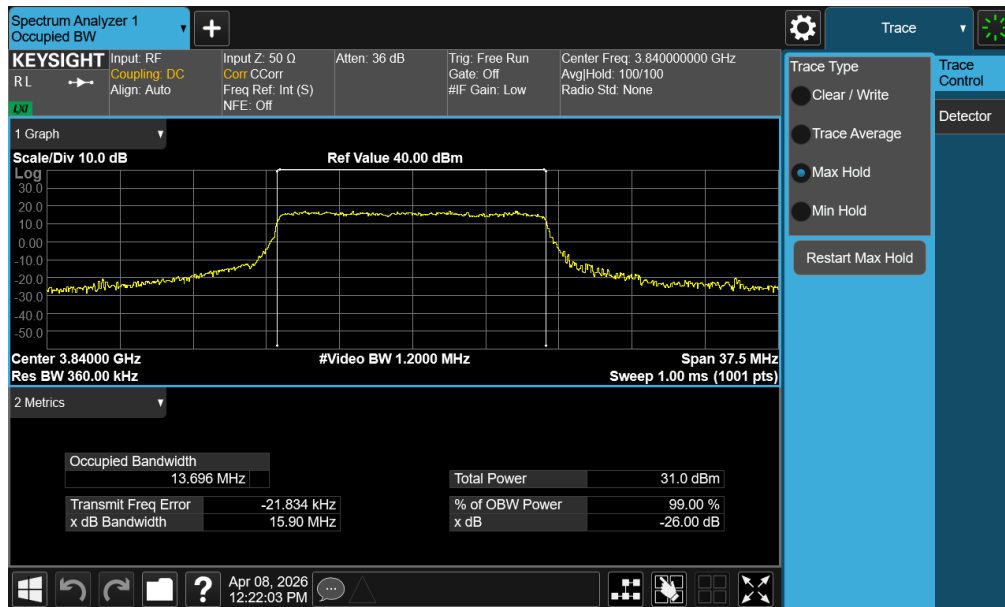


Plot 7-26. Occupied Bandwidth Plot (NR Band n77 - 20MHz QPSK - Full RB - Ant1)

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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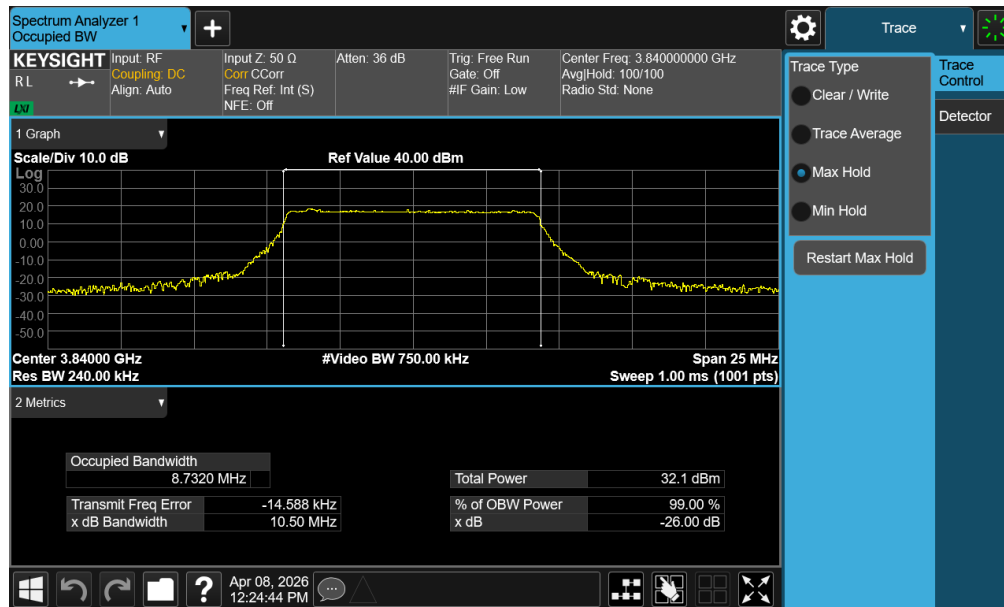


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| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                                | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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Plot 7-33. Occupied Bandwidth Plot (NR Band n77 - 10MHz 16-QAM - Full RB - Ant1)

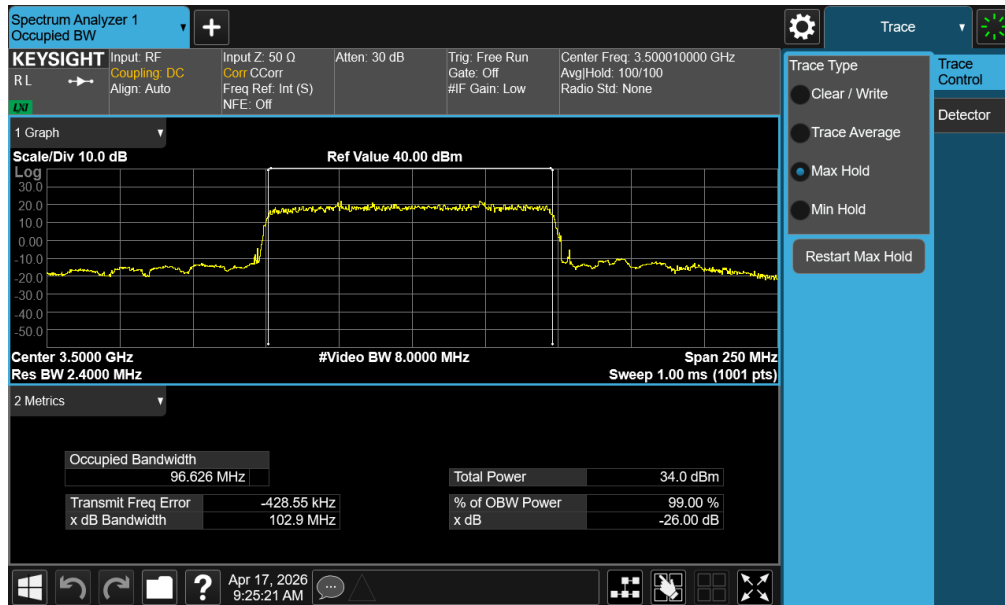
|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27<br/>MEASUREMENT REPORT</b>                                               | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                    | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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| Mode                                | Bandwidth | OBW [MHz] |
|-------------------------------------|-----------|-----------|
| NR Band n77 PC2<br>(3450 - 3550MHz) | 100 MHz   | 96.626    |
|                                     |           | 97.782    |
|                                     |           | 97.657    |
|                                     | 90 MHz    | 86.819    |
|                                     |           | 87.721    |
|                                     |           | 87.786    |
|                                     | 80 MHz    | 77.301    |
|                                     |           | 77.849    |
|                                     |           | 77.901    |
|                                     | 70 MHz    | 64.589    |
|                                     |           | 67.966    |
|                                     |           | 67.830    |
|                                     | 60 MHz    | 58.270    |
|                                     |           | 58.467    |
|                                     |           | 58.312    |
|                                     | 50 MHz    | 46.088    |
|                                     |           | 47.906    |
|                                     |           | 47.846    |
|                                     | 40 MHz    | 36.149    |
|                                     |           | 38.231    |
|                                     |           | 38.155    |
|                                     | 30 MHz    | 27.110    |
|                                     |           | 28.082    |
|                                     |           | 28.207    |
|                                     | 20 MHz    | 18.115    |
|                                     |           | 18.467    |
|                                     |           | 18.433    |
|                                     | 15 MHz    | 13.066    |
|                                     |           | 13.755    |
|                                     |           | 13.775    |
|                                     | 10 MHz    | 8.788     |
|                                     |           | 8.764     |
|                                     |           | 8.734     |

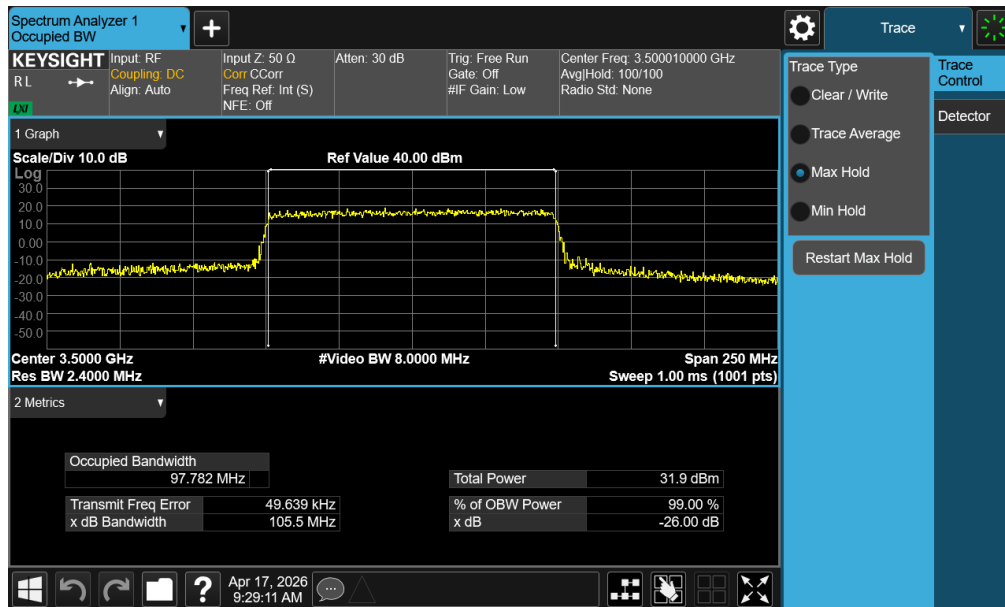
**Table 7-13. Occupied Bandwidth Results - Ant1 - DoD Band – Main**

|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMF776B                         | <b>PART 27<br/>MEASUREMENT REPORT</b>                                               | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026                                                                                                                                                                    | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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## NR Band n77PC2 - Ant1 - DoD Band - Main

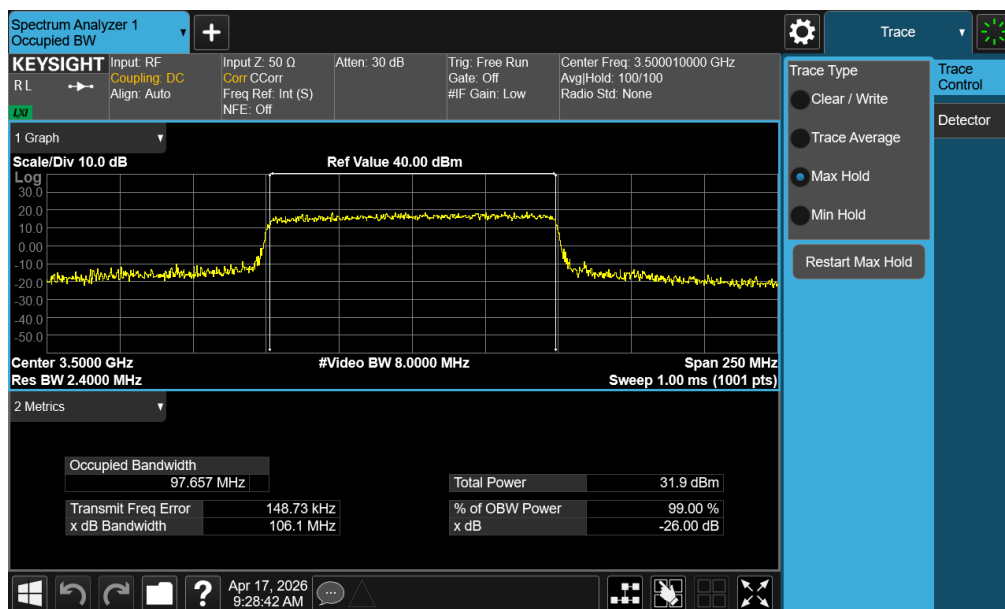


Plot 7-34. Occupied Bandwidth Plot (NR Band n77PC2 - 100MHz  $\pi/2$  BPSK - Full RB - Ant1 - DoD Band - Main)

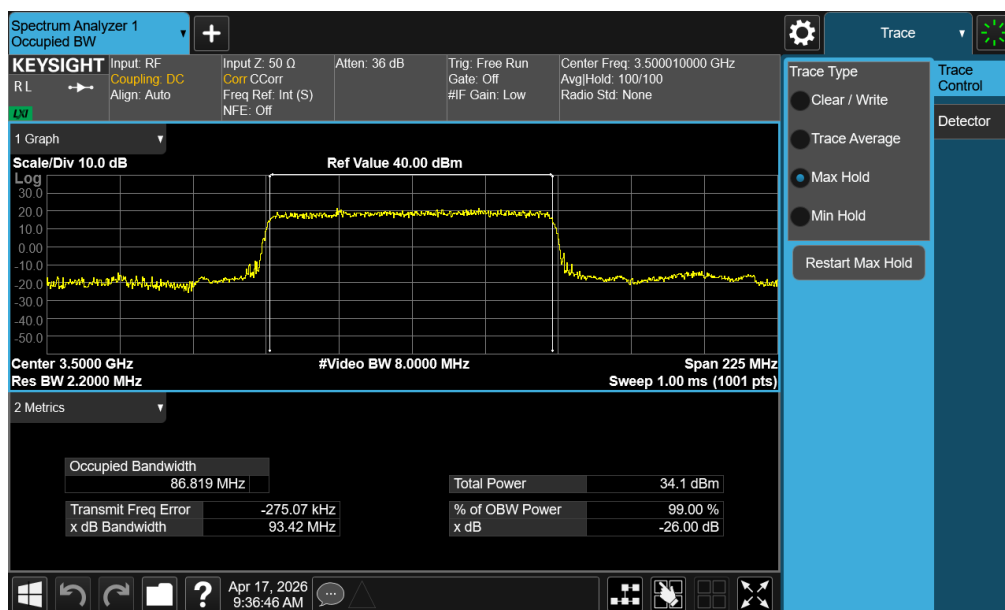


Plot 7-35. Occupied Bandwidth Plot (NR Band n77PC2 - 100MHz QPSK - Full RB - Ant1 - DoD Band - Main)

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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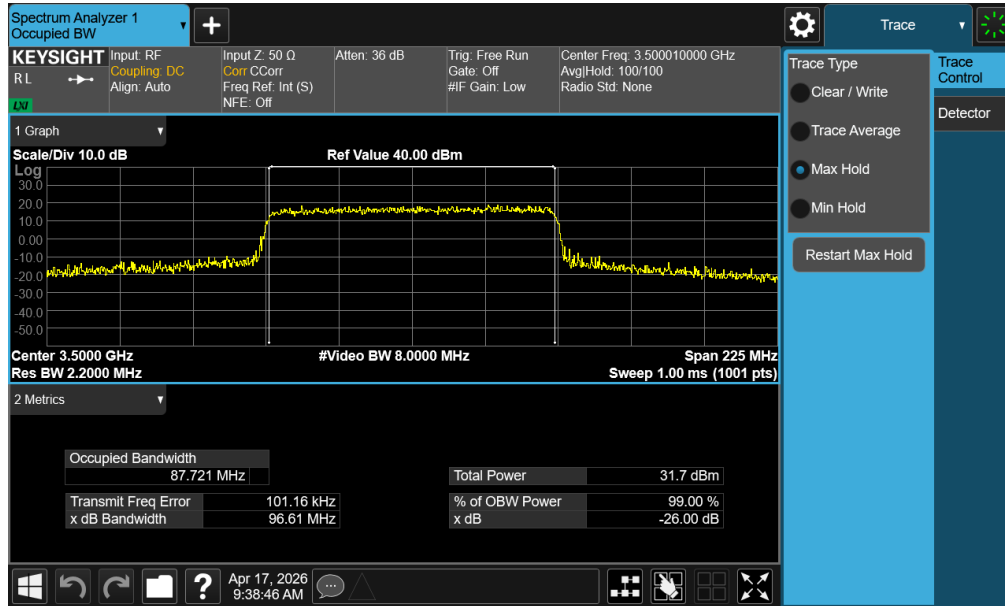


Plot 7-36. Occupied Bandwidth Plot (NR Band n77PC2 - 100MHz 16-QAM - Full RB - Ant1 - DoD Band - Main)

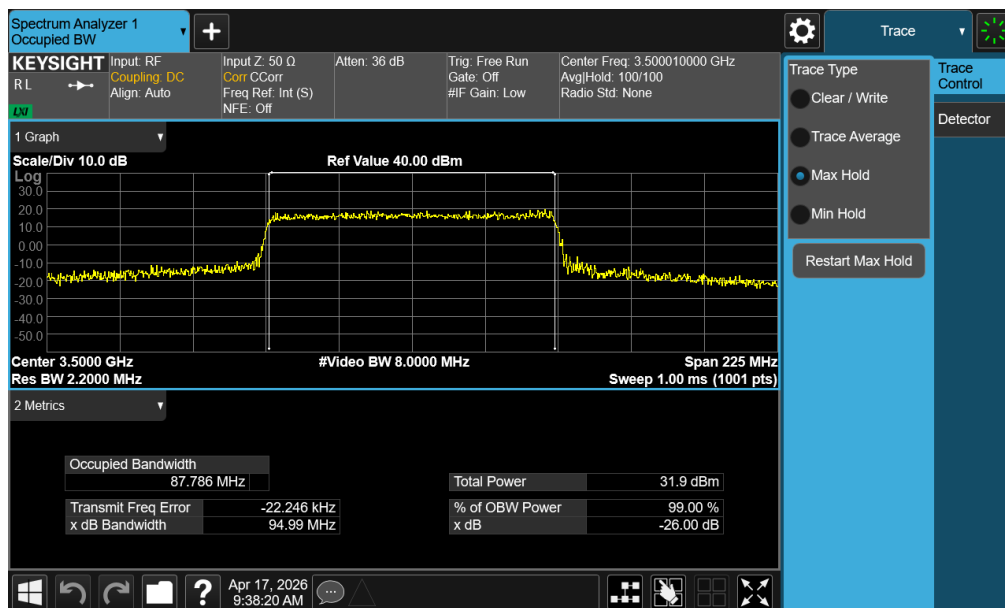


Plot 7-37. Occupied Bandwidth Plot (NR Band n77 - 90MHz  $\pi/2$  BPSK - Full RB - Ant1 - DoD Band - Main)

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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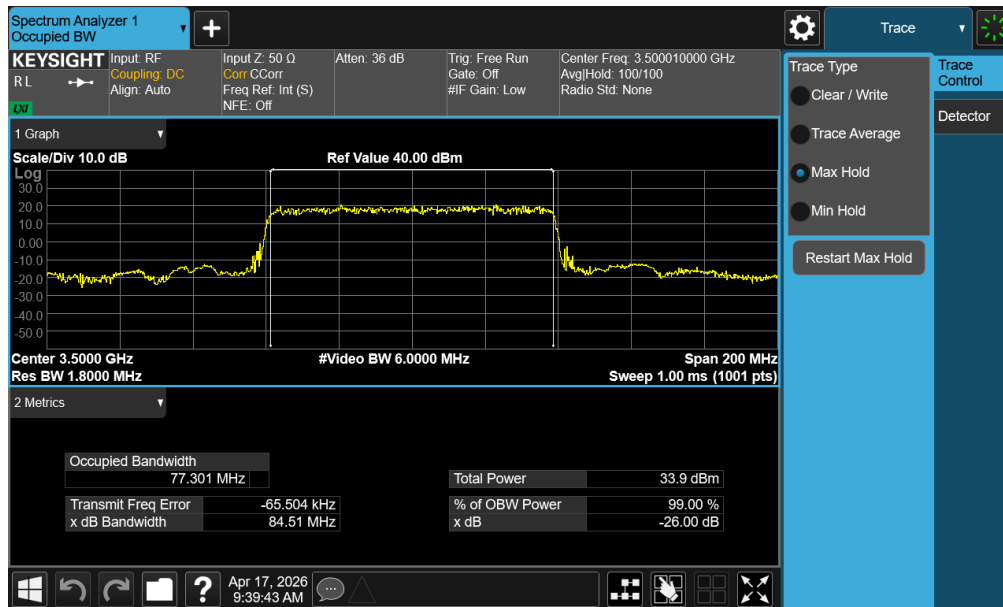


Plot 7-38. Occupied Bandwidth Plot (NR Band n77 - 90MHz QPSK - Full RB - Ant1 - DoD Band - Main)

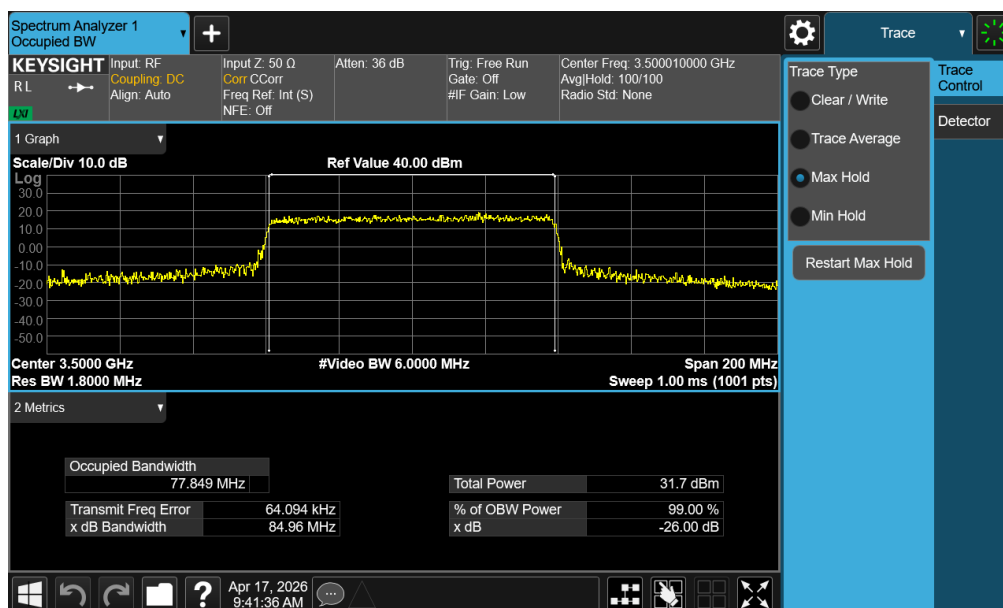


Plot 7-39. Occupied Bandwidth Plot (NR Band n77 - 90MHz 16-QAM - Full RB - Ant1 - DoD Band - Main)

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
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Plot 7-40. Occupied Bandwidth Plot (NR Band n77 - 80MHz  $\pi/2$  BPSK - Full RB - Ant1 - DoD Band - Main)



Plot 7-41. Occupied Bandwidth Plot (NR Band n77 - 80MHz QPSK - Full RB - Ant1 - DoD Band - Main)

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
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**Spectrum Analyzer 1**  
 Occupied BW

**KEYSIGHT** Input: RF  
 RL → **Coupling: DC**  
 Align: Auto

Input Z: 50 Ω  
 Corr: Corr  
 Freq Ref: Int (S)  
 NFE: Off

Atten: 36 dB

Trig: Free Run  
 Gate: Off  
 #IF Gain: Low

Center Freq: 3.500010000 GHz  
 Avg/Hold: 100/100  
 Radio Std: None

**1 Graph**  
 Scale/Div 10.0 dB  
 Log  
 30.0  
 20.0  
 10.0  
 0.00  
 -10.0  
 -20.0  
 -30.0  
 -40.0  
 -50.0

Ref Value 40.00 dBm

Center 3.50001 GHz  
 Res BW 1.6000 MHz  
 #Video BW 5.0000 MHz  
 Span 175 MHz  
 Sweep 1.00 ms (1001 pts)

**2 Metrics**

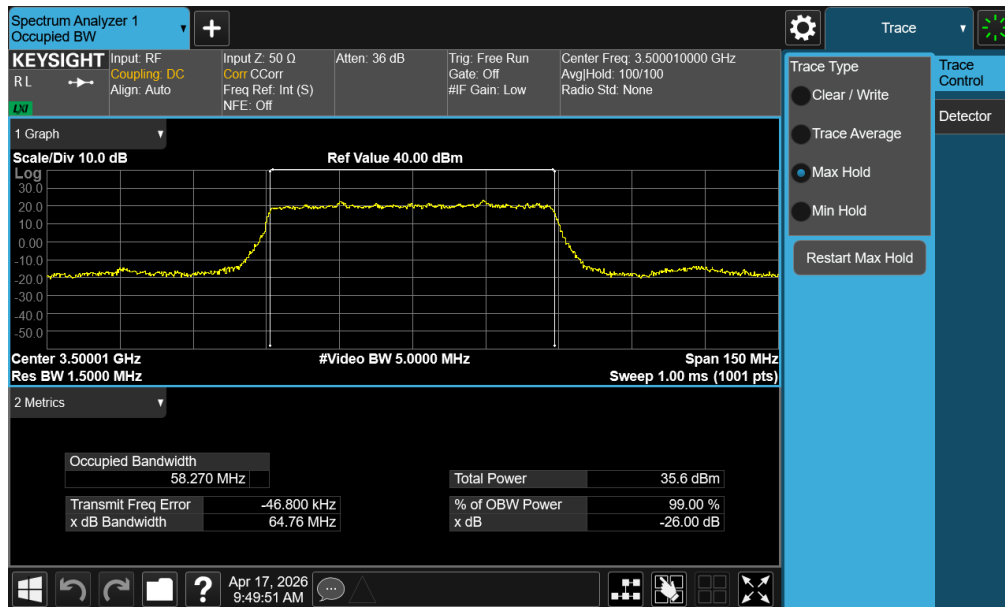
|                     |            |                |           |
|---------------------|------------|----------------|-----------|
| Occupied Bandwidth  |            | Total Power    | 33.2 dBm  |
| 67.830 MHz          |            | % of OBW Power | 99.00 %   |
| Transmit Freq Error | -9.646 kHz | x dB           | -26.00 dB |
| x dB Bandwidth      | 76.89 MHz  |                |           |

**Trace Type**  
☐ Clear / Write  
☐ Trace Average  
☒ Max Hold  
☐ Min Hold  
 Restart Max Hold

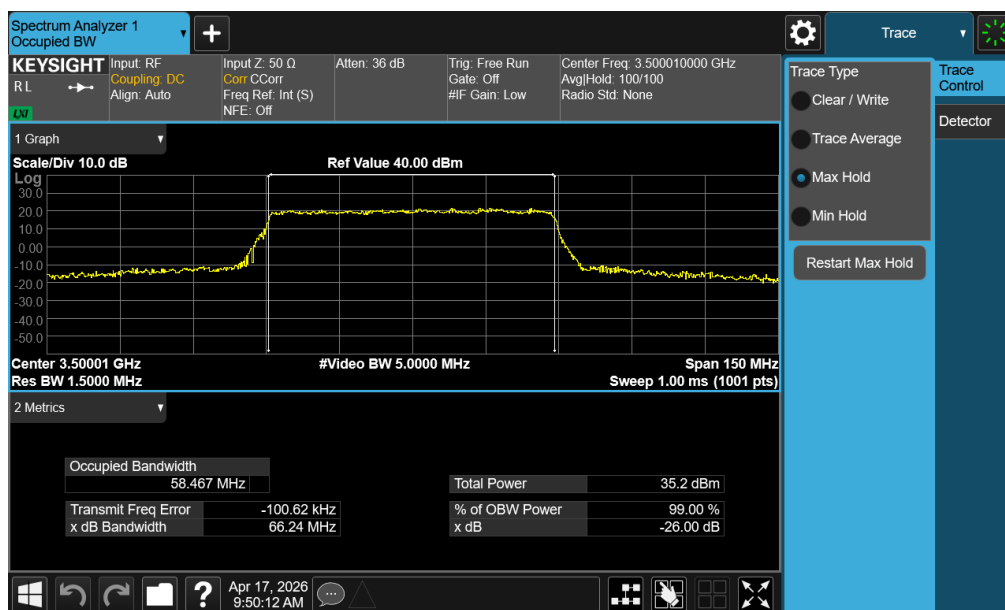
**Trace Control**  
 Detector

Windows Taskbar: Apr 17, 2026 9:47:27 AM

|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                               |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
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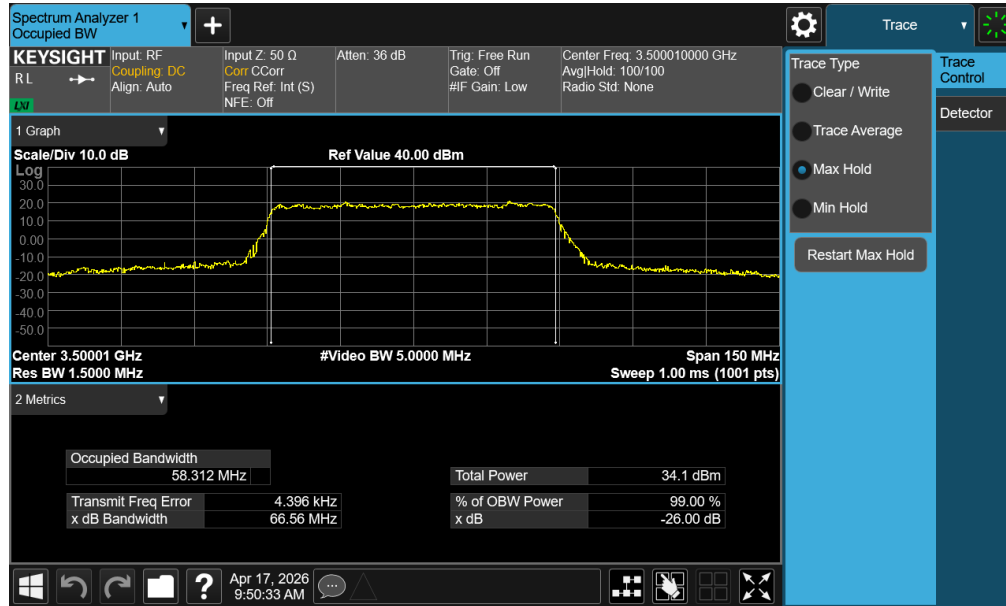


Plot 7-46. Occupied Bandwidth Plot (NR Band n77 - 60MHz  $\pi/2$  BPSK - Full RB - Ant1 - DoD Band - Main)

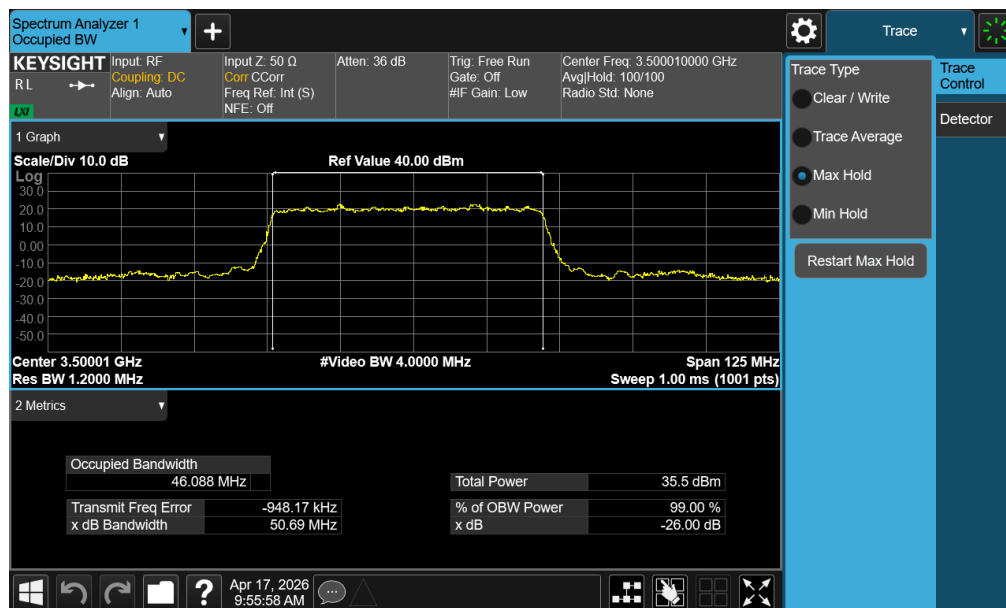


Plot 7-47. Occupied Bandwidth Plot (NR Band n77 - 60MHz QPSK - Full RB - Ant1 - DoD Band - Main)

|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
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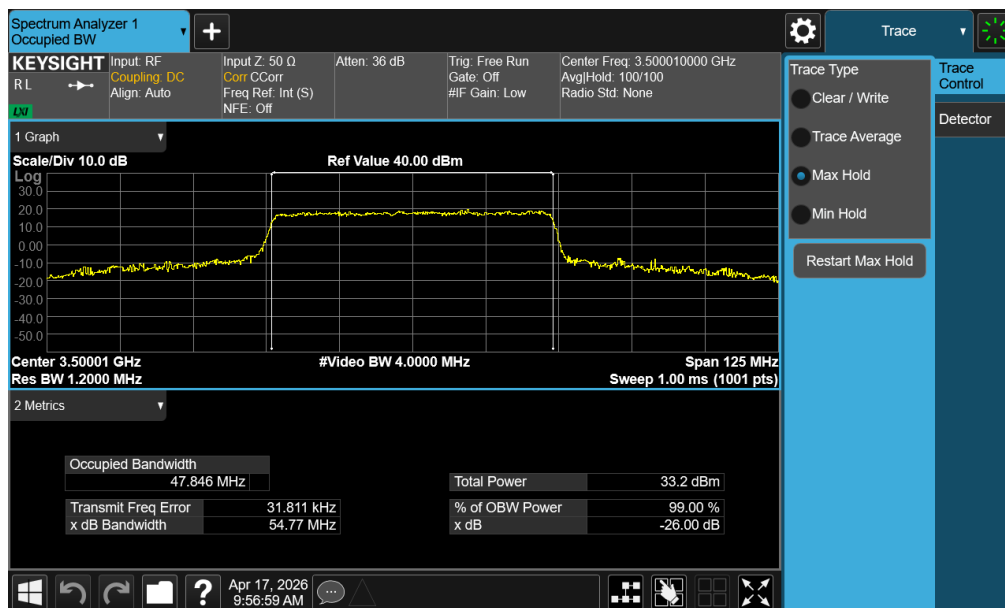
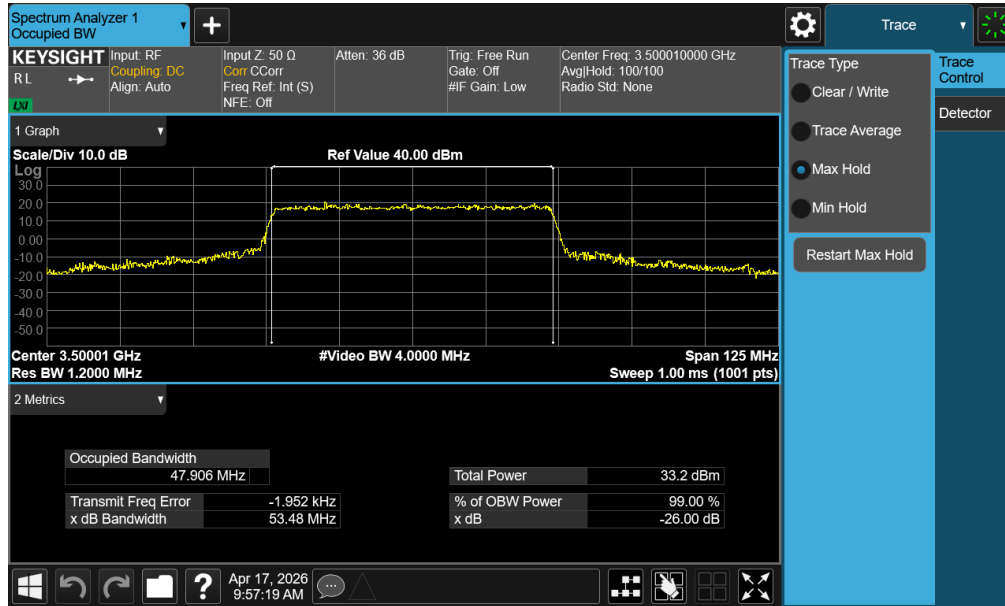


Plot 7-48. Occupied Bandwidth Plot (NR Band n77 - 60MHz 16-QAM - Full RB - Ant1 - DoD Band - Main)

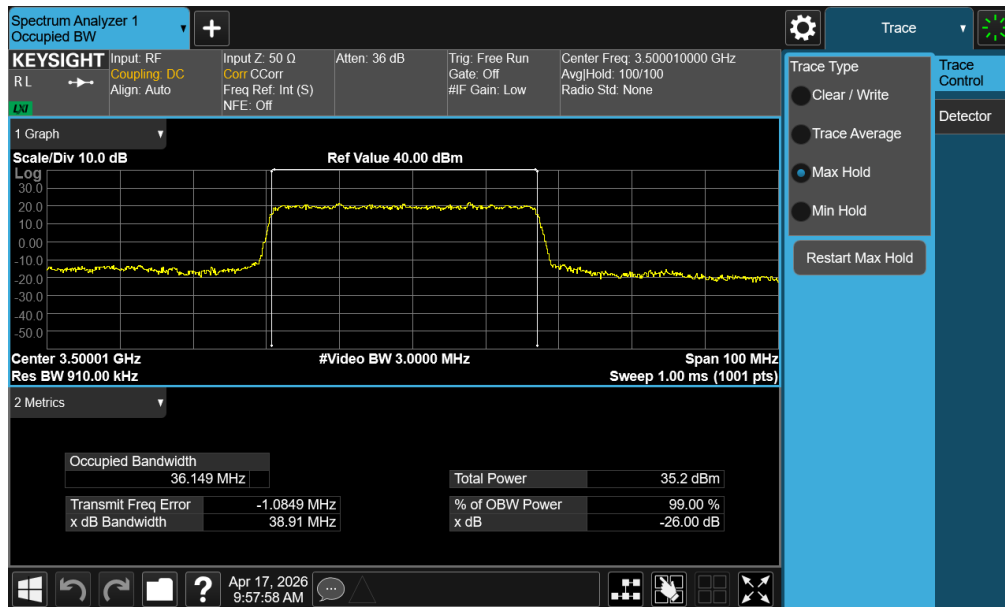


**Plot 7-49. Occupied Bandwidth Plot (NR Band n77 - 50MHz  $\pi/2$  BPSK - Full RB - Ant1 - DoD Band - Main)**

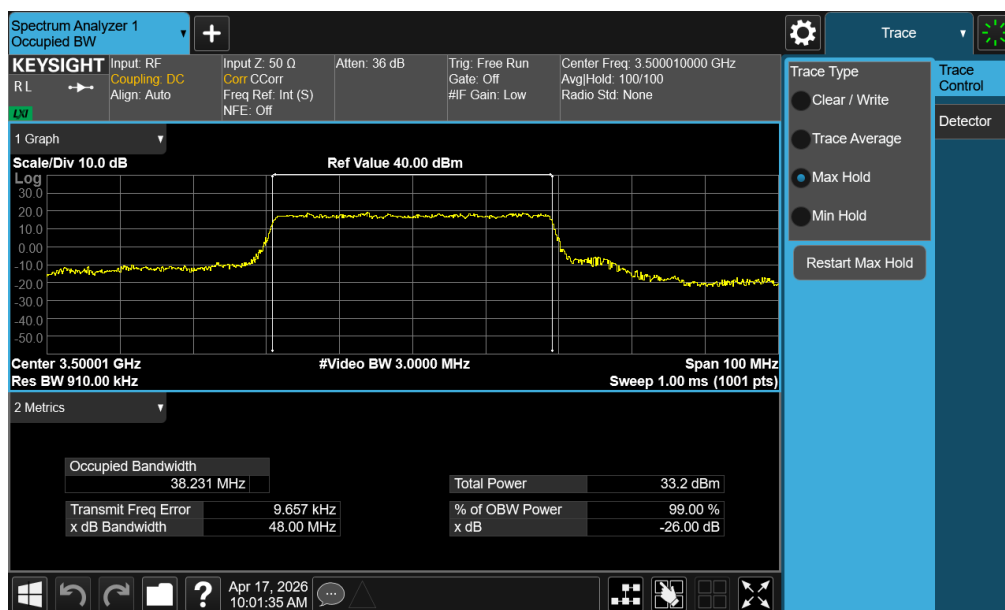
|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                               |                                      |                                          |
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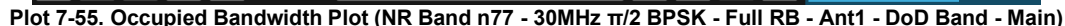


Plot 7-52. Occupied Bandwidth Plot (NR Band n77 - 40MHz  $\pi/2$  BPSK - Full RB - Ant1 - DoD Band - Main)

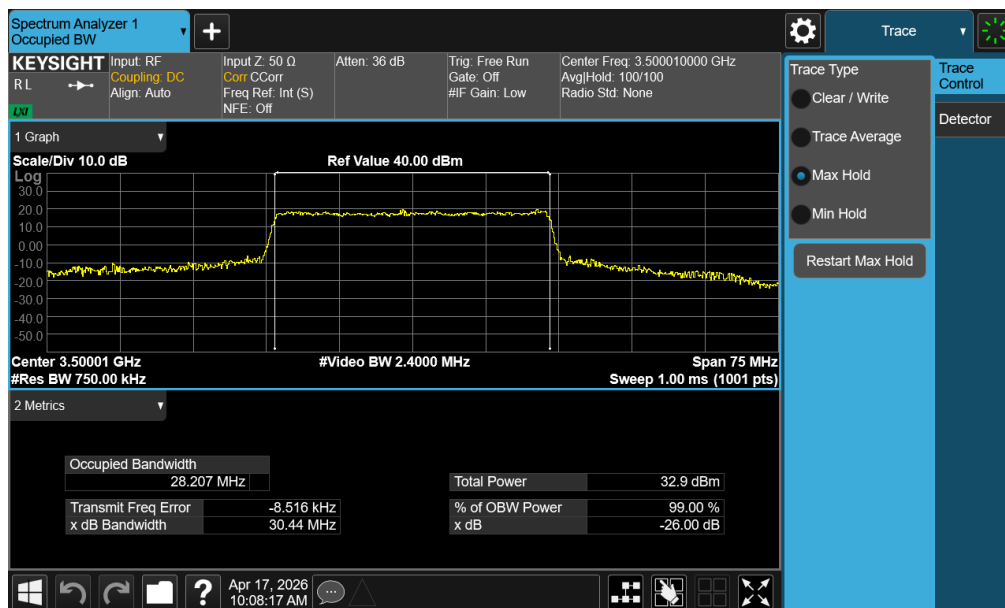
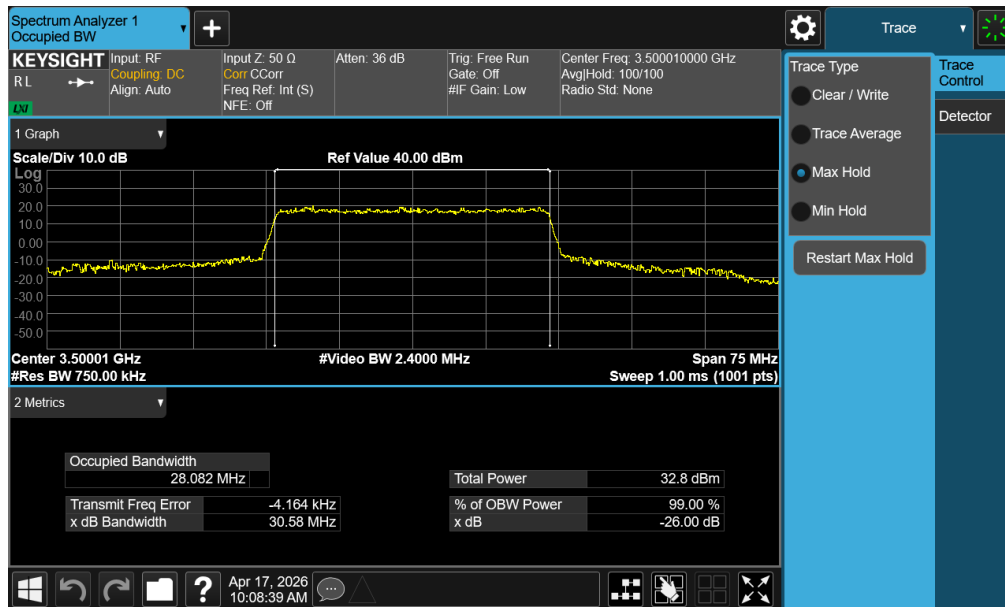


Plot 7-53. Occupied Bandwidth Plot (NR Band n77 - 40MHz QPSK - Full RB - Ant1 - DoD Band - Main)

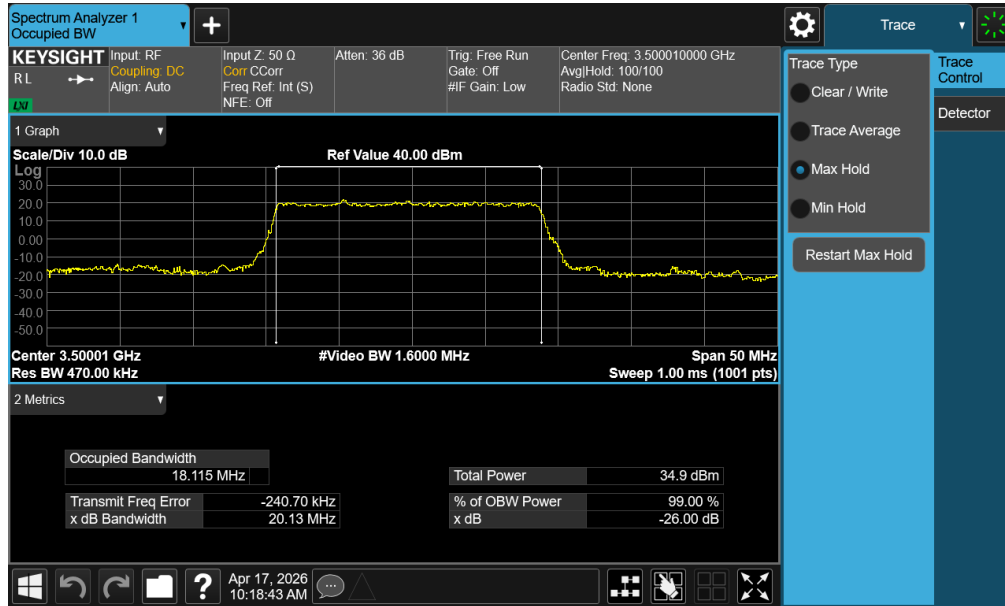
|                                            |                                                                                                                                                                                                                                                                                                      |                                        |                               |                                   |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMF776B                         | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                                                                                                                                                                                                                                          | Test Dates:<br>03/18/2026 - 04/21/2026 | EUT Type:<br>Portable Handset | Approved by:<br>Technical Manager |
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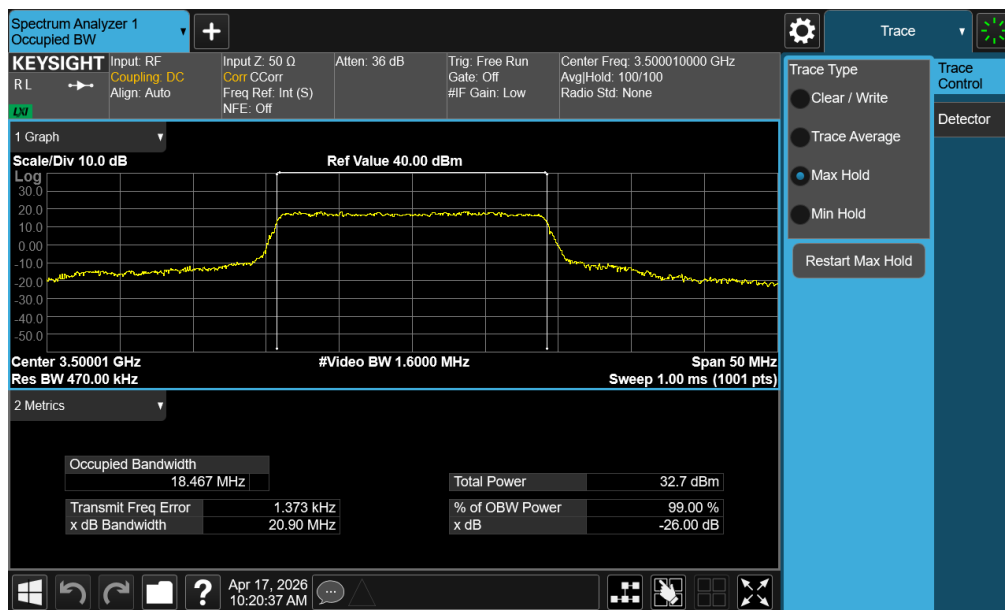
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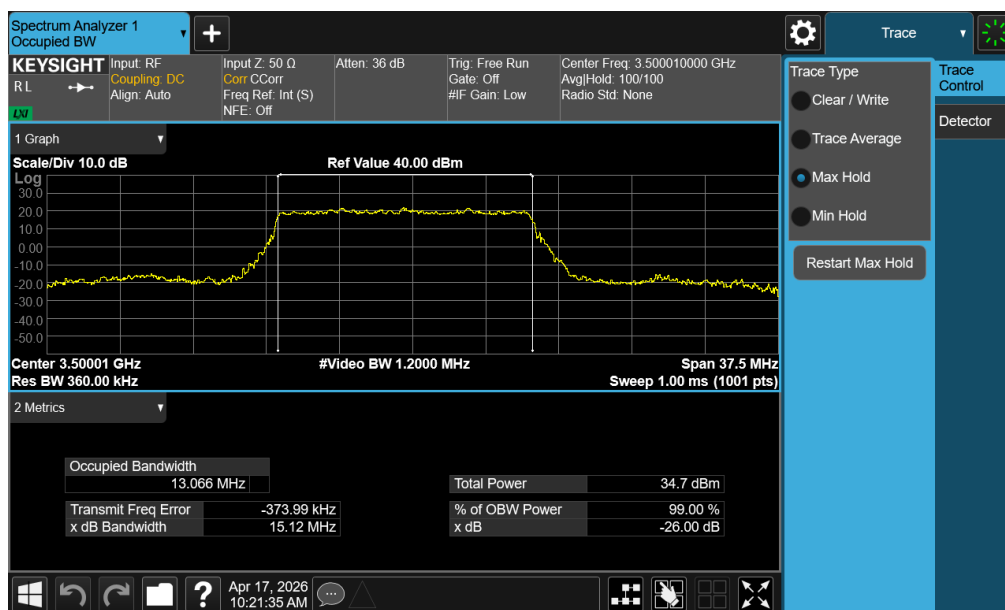
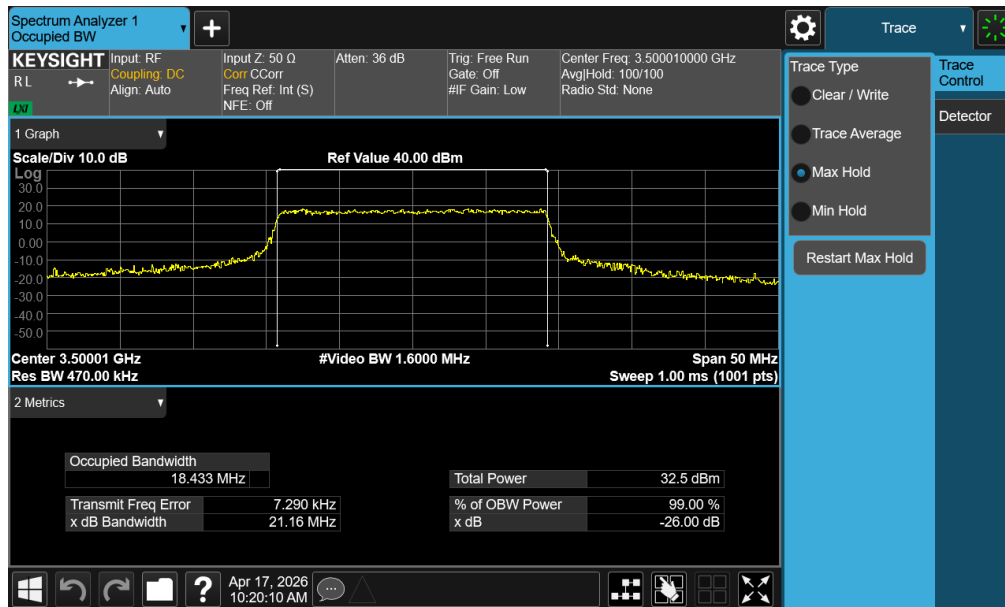


Plot 7-58. Occupied Bandwidth Plot (NR Band n77 - 20MHz  $\pi/2$  BPSK - Full RB - Ant1 - DoD Band - Main)

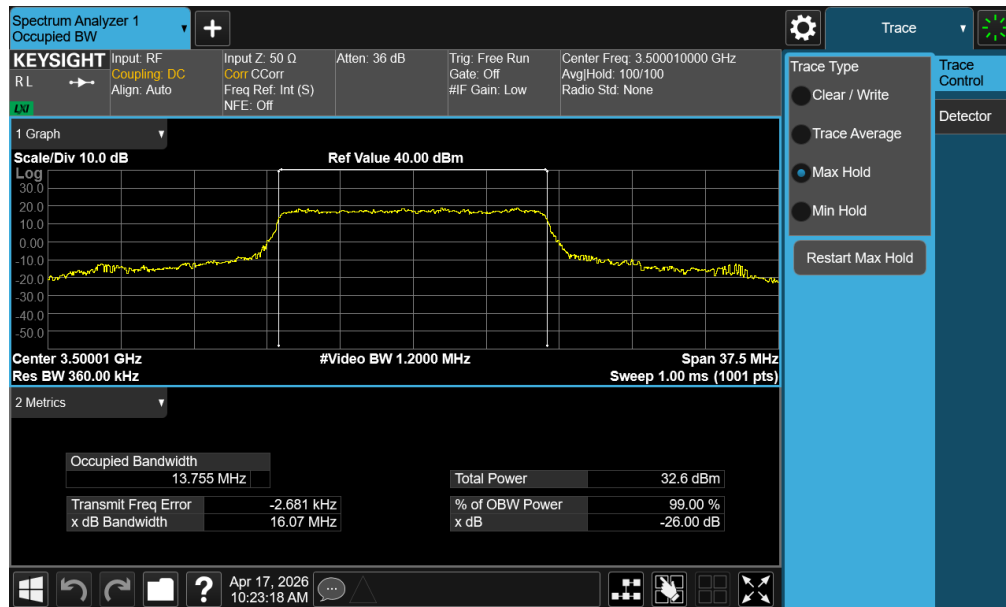


Plot 7-59. Occupied Bandwidth Plot (NR Band n77 - 20MHz QPSK - Full RB - Ant1 - DoD Band - Main)

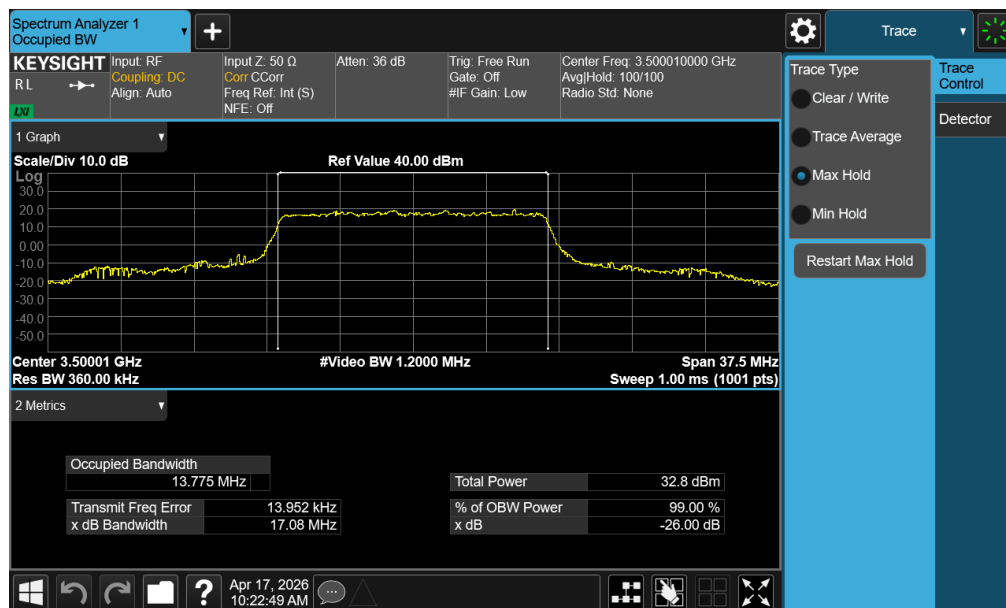
|                                                   |                                                                                                                                                                                                                                                                                                      |                                               |                                      |                                          |
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**Plot 7-62. Occupied Bandwidth Plot (NR Band n77 - 15MHz QPSK - Full RB - Ant1 - DoD Band - Main)**



Plot 7-63. Occupied Bandwidth Plot (NR Band n77 - 15MHz 16-QAM - Full RB - Ant1 - DoD Band - Main)

|                                                   |                                                                                     |                                                                                                                                                                                                                  |                                               |                                      |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| FCC ID: A3LSMF776B                                | <b>PART 27</b><br><b>MEASUREMENT REPORT</b>                                         |                                                                                                                                                                                                                  | <b>Test Dates:</b><br>03/18/2026 - 04/21/2026 | <b>EUT Type:</b><br>Portable Handset | <b>Approved by:</b><br>Technical Manager |
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