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PART 27 MEASUREMENT REPORT

Applicant Name:

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

Date of Testing:

3/11/2026 - 5/6/2026

Test Report Issue Date:

5/20/2026

Test Site/Location:

Element Lab., Columbia, MD, USA

Test Report Serial No.:

1M2603110020-08-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: 1M2603110020-08-R1.A3L) supersedes and replaces the previously issued test report (S/N: 1M2603110020-08.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



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TEST REPORT REVISION HISTORY

Rev. No.	Description	Issue Date	Revised By
-	Initial Release	5/7/2026	WKR0000020239
1	Addressed comments made by TCB reviewer	5/20/2026	WKR0000023296

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Antenna-1						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
LTE Band 41(PC2)	20 MHz	QPSK	2506.0 - 2680.0	0.191	22.81	18M0G7D
		16QAM	2506.0 - 2680.0	0.158	21.98	18M0W7D
	15 MHz	QPSK	2503.5 - 2682.5	0.193	22.86	13M5G7D
		16QAM	2503.5 - 2682.5	0.157	21.95	13M5W7D
	10 MHz	QPSK	2501.0 - 2685.0	0.196	22.92	9M04G7D
		16QAM	2501.0 - 2685.0	0.158	22.00	9M04W7D
LTE Band 41(PC3)	20 MHz	QPSK	2498.5 - 2687.5	0.196	22.93	4M56G7D
		16QAM	2498.5 - 2687.5	0.158	21.98	4M52W7D
	15 MHz	QPSK	2506.0 - 2680.0	0.134	21.26	18M0G7D
		16QAM	2506.0 - 2680.0	0.110	20.42	18M0W7D
	10 MHz	QPSK	2503.5 - 2682.5	0.136	21.35	13M6G7D
		16QAM	2503.5 - 2682.5	0.112	20.50	13M5W7D
LTE Band 41(PC3)	10 MHz	QPSK	2501.0 - 2685.0	0.137	21.38	9M08G7D
		16QAM	2501.0 - 2685.0	0.112	20.48	9M04W7D
	5 MHz	QPSK	2498.5 - 2687.5	0.135	21.31	4M54G7D
		16QAM	2498.5 - 2687.5	0.110	20.42	4M54W7D

Overview Table LTE Band Ant 1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: 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 n41(PC3)	100 MHz	TT/2 BPSK	2546.0 - 2640.0	0.116	20.65	96M6G7D
		QPSK	2546.0 - 2640.0	0.129	21.10	97M5G7D
		16QAM	2546.0 - 2640.0	0.114	20.58	97M3W7D
	90 MHz	TT/2 BPSK	2541.0 - 2645.0	0.117	20.69	86M8G7D
		QPSK	2541.0 - 2645.0	0.125	20.98	87M8G7D
		16QAM	2541.0 - 2645.0	0.112	20.51	87M6W7D
	80 MHz	TT/2 BPSK	2536.0 - 2650.0	0.120	20.80	77M3G7D
		QPSK	2536.0 - 2650.0	0.125	20.95	77M5G7D
		16QAM	2536.0 - 2650.0	0.111	20.46	77M5W7D
	70 MHz	TT/2 BPSK	2531.0 - 2655.0	0.123	20.89	66M9G7D
		QPSK	2531.0 - 2655.0	0.129	21.09	67M6G7D
		16QAM	2531.0 - 2655.0	0.110	20.40	67M5W7D
	60 MHz	TT/2 BPSK	2526.0 - 2660.0	0.119	20.76	58M1G7D
		QPSK	2526.0 - 2660.0	0.132	21.19	58M2G7D
		16QAM	2526.0 - 2660.0	0.110	20.42	58M1W7D
	50 MHz	TT/2 BPSK	2521.0 - 2665.0	0.119	20.74	47M3G7D
		QPSK	2521.0 - 2665.0	0.125	20.98	47M6G7D
		16QAM	2521.0 - 2665.0	0.110	20.41	47M6W7D
	40 MHz	TT/2 BPSK	2516.0 - 2670.0	0.116	20.63	36M0G7D
		QPSK	2516.0 - 2670.0	0.120	20.79	38M0G7D
		16QAM	2516.0 - 2670.0	0.108	20.34	38M0W7D
	30 MHz	TT/2 BPSK	2511.0 - 2675.0	0.115	20.59	27M0G7D
		QPSK	2511.0 - 2675.0	0.115	20.62	28M0G7D
		16QAM	2511.0 - 2675.0	0.109	20.36	27M0W7D
	20 MHz	TT/2 BPSK	2506.0 - 2680.0	0.112	20.47	18M2G7D
		QPSK	2506.0 - 2680.0	0.114	20.56	18M4G7D
		16QAM	2506.0 - 2680.0	0.103	20.11	18M4W7D
	15 MHz	TT/2 BPSK	2503.5 - 2682.5	0.112	20.47	13M1G7D
		QPSK	2503.5 - 2682.5	0.117	20.70	13M7G7D
		16QAM	2503.5 - 2682.5	0.109	20.38	13M7W7D
	10 MHz	TT/2 BPSK	2501.0 - 2685.0	0.109	20.38	8M81G7D
		QPSK	2501.0 - 2685.0	0.120	20.81	8M72G7D
		16QAM	2501.0 - 2685.0	0.106	20.24	8M70W7D

Overview Table NR Band n41 – Default

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Antenna-2						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
LTE Band 41(PC2)	20 MHz	QPSK	2506.0 - 2680.0	0.169	22.29	18M0G7D
		16QAM	2506.0 - 2680.0	0.139	21.42	18M0W7D
	15 MHz	QPSK	2503.5 - 2682.5	0.166	22.20	13M5G7D
		16QAM	2503.5 - 2682.5	0.137	21.36	13M6W7D
	10 MHz	QPSK	2501.0 - 2685.0	0.171	22.32	9M02G7D
		16QAM	2501.0 - 2685.0	0.139	21.44	9M03W7D
	5 MHz	QPSK	2498.5 - 2687.5	0.169	22.27	4M55G7D
		16QAM	2498.5 - 2687.5	0.139	21.43	4M54W7D
LTE Band 41(PC3)	20 MHz	QPSK	2506.0 - 2680.0	0.139	21.44	18M0G7D
		16QAM	2506.0 - 2680.0	0.109	20.38	18M0W7D
	15 MHz	QPSK	2503.5 - 2682.5	0.139	21.44	13M5G7D
		16QAM	2503.5 - 2682.5	0.113	20.52	13M5W7D
	10 MHz	QPSK	2501.0 - 2685.0	0.136	21.34	9M06G7D
		16QAM	2501.0 - 2685.0	0.111	20.44	9M04W7D
	5 MHz	QPSK	2498.5 - 2687.5	0.138	21.40	4M55G7D
		16QAM	2498.5 - 2687.5	0.113	20.54	4M54W7D

Overview Table LTE Band Ant 2

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT		Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Antenna-2						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
NR Band n41(PC3)	100 MHz	TT/2 BPSK	2546.0 - 2640.0	0.197	22.93	96M9G7D
		QPSK	2546.0 - 2640.0	0.198	22.97	97M9G7D
		16QAM	2546.0 - 2640.0	0.151	21.80	97M7W7D
	90 MHz	TT/2 BPSK	2541.0 - 2645.0	0.193	22.85	87M5G7D
		QPSK	2541.0 - 2645.0	0.197	22.95	88M0G7D
		16QAM	2541.0 - 2645.0	0.148	21.69	87M9W7D
	80 MHz	TT/2 BPSK	2536.0 - 2650.0	0.189	22.77	77M7G7D
		QPSK	2536.0 - 2650.0	0.192	22.82	77M8G7D
		16QAM	2536.0 - 2650.0	0.145	21.62	77M9W7D
	70 MHz	TT/2 BPSK	2531.0 - 2655.0	0.185	22.66	64M7G7D
		QPSK	2531.0 - 2655.0	0.189	22.76	67M8G7D
		16QAM	2531.0 - 2655.0	0.144	21.58	67M7W7D
	60 MHz	TT/2 BPSK	2526.0 - 2660.0	0.184	22.64	58M4G7D
		QPSK	2526.0 - 2660.0	0.185	22.66	58M4G7D
		16QAM	2526.0 - 2660.0	0.146	21.65	58M3W7D
	50 MHz	TT/2 BPSK	2521.0 - 2665.0	0.190	22.78	46M2G7D
		QPSK	2521.0 - 2665.0	0.183	22.62	47M7G7D
		16QAM	2521.0 - 2665.0	0.148	21.70	47M8W7D
	40 MHz	TT/2 BPSK	2516.0 - 2670.0	0.183	22.63	36M0G7D
		QPSK	2516.0 - 2670.0	0.179	22.53	38M1G7D
		16QAM	2516.0 - 2670.0	0.144	21.59	38M0W7D
	30 MHz	TT/2 BPSK	2511.0 - 2675.0	0.193	22.85	27M1G7D
		QPSK	2511.0 - 2675.0	0.191	22.81	28M1G7D
		16QAM	2511.0 - 2675.0	0.150	21.75	27M1W7D
	20 MHz	TT/2 BPSK	2506.0 - 2680.0	0.185	22.67	18M1G7D
		QPSK	2506.0 - 2680.0	0.184	22.66	18M4G7D
		16QAM	2506.0 - 2680.0	0.143	21.55	18M4W7D
	15 MHz	TT/2 BPSK	2503.5 - 2682.5	0.190	22.79	13M1G7D
		QPSK	2503.5 - 2682.5	0.192	22.83	13M7G7D
		16QAM	2503.5 - 2682.5	0.149	21.73	13M7W7D
	10 MHz	TT/2 BPSK	2501.0 - 2685.0	0.189	22.76	8M69G7D
		QPSK	2501.0 - 2685.0	0.189	22.76	8M73G7D
		16QAM	2501.0 - 2685.0	0.146	21.65	8M71W7D

Overview Table NR Band n41 – Tx Hopping

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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).

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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.: 0001M, 0058M, 0059M, 0076M, 0080M, 0083M, 0085M, 0333M, 1496M

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 supports Tx Device Hopping (ANT Switching) for the multiple 5G NR Bands and can operate on two distinct paths. The paths are labeled as either Main or Switching paths. Testing was done on both paths and is included in this report.

This device can transmit in the 5G NR Band n41 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 n41 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 n41 band.

Band	Ant1	Ant2
LTE Band 41 PC2	Ant B	Ant H
LTE Band 41 PC3	Ant B	Ant H

Table 2-1. Antenna Report Naming Convention

Band	Ant1	Ant2	Ant3	Ant4
NR Band n4 – Default	Ant B	Ant H	Ant C	Ant G
NR Band n41 – Tx Hopping	Ant H	Ant B	Ant G	Ant C

Table 2-2. Antenna Report Naming Convention

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Antenna SRS-Label	Alternate Label
NR Band n41 – Default – SRS-1	Ant B
NR Band n41 – Default – SRS-2	Ant H
NR Band n41 – Default – SRS-3	Ant C
NR Band n41 – Default – SRS-4	Ant G
NR Band n41 – Tx Hopping – SRS-1	Ant H
NR Band n41 – Tx Hopping – SRS-2	Ant B
NR Band n41 – Tx Hopping – SRS-3	Ant G
NR Band n41 – Tx Hopping – SRS-4	Ant C

Table 2-3. Antenna Labelling Scheme Correlation

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 and LTE 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. SRS operations were conducted using FTM while all other cases were conducted in an online mode.

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

2.5 Software and Firmware

Testing was performed on device(s) using software/firmware version F776USQU0AZC9 installed on the EUT.

2.6 EMI Suppression Device(s)/Modifications

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

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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
N41	-3.9	-7.5	Main2	-4.8	-8.5	Sub4(SRS#2)
	-5.5	-8.5	Main3(SRS#3)	-6.8	-10.5	Sub3(SRS#4)

Table 2-4. Antenna Gain Information

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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.

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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_{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

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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
-	MVG-001	EMC Cable and Switch System	2/2/2026	Annual	2/2/2027	MVG-001
-	MVG-002	EMC Cable and Switch System	2/2/2026	Annual	2/2/2027	MVG-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
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
Anritsu	MT8821C	Radio Communication Analyze	9/15/2025	Annual	9/15/2026	6201381794
Anritsu	MT8821C	Radio Communication Analyze	3/11/2026	Annual	3/11/2027	6262044715
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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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
MegaPhase (CAGE 1GVT4) Cable NC29-N1N1-324	20379901 001
Sucoflex Cable 126E	S/N:551792
Rohde & Schwarz SF Unit	102155
SMU/RF-A OUT cable	1127118600 10 06 379

Table 5-5. MVG-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. MVG-002 EMC Cable and Switch System Components

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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

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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

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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): LTE/NR

Test Condition	Test Description	FCC Part Section(s)	Test Limit	Test Result	Reference	Test Lab Location
CONDUCTED	Transmitter Conducted Output Power*	2.1046(a), 2.1046(c)	N/A	PASS	Section 7.2	MD
	Occupied Bandwidth	2.1049(h)	N/A	PASS	Section 7.3	MD
	Conducted Band Edge / Spurious Emissions (LTE Band 41; NR Band n41)	2.1051, 27.53(m)(4)	Undesirable emissions must meet the limits detailed in 27.53(m)(4)	PASS	Sections 7.4, 7.5	MD
	Frequency Stability	2.1055, 27.54	Fundamental emissions stay within authorized frequency block	PASS	Section 7.8	MD
RADIATED	Equivalent Isotropic Radiated Power (LTE Band 41; NR Band n41)	27.50(h)(2)	≤ 2 Watts max. EIRP	PASS	Section 7.6	MD
	Radiated Spurious Emissions (LTE Band 41; NR Band n41)	2.1053, 27.53(m)	Undesirable emissions must meet the limits detailed in 27.53(m)	PASS	Section 7.7	MD

Table 7-1. Summary of Test Results

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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.

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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.

A-MPR is implemented in this device when operating at Power Class 2 in LTE Band 41 per the A-MPR specification in 3GPP TS 36.101. The conducted powers are shown herein to cover the different A-MPR levels specified in the standard. Measurement equipment was set up with triggering/gating on the spectrum analyzer such that powers were measured only during the on-time of the signal.

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

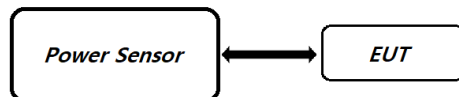


Figure 7-2. Test Instrument & Measurement Setup – FTM Mode

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.

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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
20 MHz	QPSK	39750	2506.0	1 / 99	25.49
		40620	2593.0	1 / 99	24.98
		41490	2680.0	1 / 0	25.29
	16-QAM	39750	2506.0	1 / 50	24.69
		40620	2593.0	1 / 99	24.11
		41490	2680.0	1 / 0	24.37
15 MHz	QPSK	39725	2503.5	1 / 0	25.54
		40620	2593.0	1 / 74	24.93
		41515	2682.5	1 / 0	25.28
	16-QAM	39725	2503.5	1 / 0	24.66
		40620	2593.0	1 / 0	24.10
		41515	2682.5	1 / 0	24.43
10 MHz	QPSK	39700	2501.0	1 / 25	25.60
		40620	2593.0	1 / 49	24.88
		41540	2685.0	1 / 0	25.18
	16-QAM	39700	2501.0	1 / 49	24.71
		40620	2593.0	1 / 0	24.03
		41540	2685.0	1 / 0	24.45
5 MHz	QPSK	39675	2498.5	1 / 24	25.61
		40620	2593.0	1 / 0	24.81
		41565	2687.5	1 / 0	25.14
	16-QAM	39675	2498.5	1 / 24	24.69
		40620	2593.0	1 / 24	24.01
		41565	2687.5	1 / 0	24.31

Table 7-2. Conducted Power Results – LTE Band 41 PC2 – Ant1

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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
20 MHz	QPSK	39750	2506.0	1 / 0	25.90
		40620	2593.0	1 / 99	25.90
		41490	2680.0	1 / 0	25.72
	16-QAM	39750	2506.0	1 / 0	24.98
		40620	2593.0	1 / 99	25.14
		41490	2680.0	1 / 0	24.93
15 MHz	QPSK	39725	2503.5	1 / 74	25.81
		40620	2593.0	1 / 74	25.80
		41515	2682.5	1 / 0	25.79
	16-QAM	39725	2503.5	1 / 74	24.92
		40620	2593.0	1 / 74	25.10
		41515	2682.5	1 / 0	24.88
10 MHz	QPSK	39700	2501.0	1 / 0	25.93
		40620	2593.0	1 / 25	25.85
		41540	2685.0	1 / 0	25.82
	16-QAM	39700	2501.0	1 / 0	25.00
		40620	2593.0	1 / 25	24.93
		41540	2685.0	1 / 0	24.94
5 MHz	QPSK	39675	2498.5	1 / 24	25.88
		40620	2593.0	1 / 0	25.87
		41565	2687.5	1 / 0	25.82
	16-QAM	39675	2498.5	1 / 24	24.99
		40620	2593.0	1 / 0	24.99
		41565	2687.5	1 / 0	24.82

Table 7-3. Conducted Power Results – LTE Band 41 PC2– Ant2

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
20 MHz	QPSK	39750	2506.0	1 / 99	24.40
		40620	2593.0	1 / 99	23.91
		41490	2680.0	1 / 0	24.22
	16-QAM	39750	2506.0	1 / 50	23.60
		40620	2593.0	1 / 99	23.06
		41490	2680.0	1 / 0	23.37
15 MHz	QPSK	39725	2503.5	1 / 74	24.49
		40620	2593.0	1 / 74	23.87
		41515	2682.5	1 / 0	24.19
	16-QAM	39725	2503.5	1 / 0	23.68
		40620	2593.0	1 / 0	22.93
		41515	2682.5	1 / 0	23.27
10 MHz	QPSK	39700	2501.0	1 / 25	24.49
		40620	2593.0	1 / 49	23.80
		41540	2685.0	1 / 25	24.16
	16-QAM	39700	2501.0	1 / 25	23.66
		40620	2593.0	1 / 49	22.98
		41540	2685.0	1 / 0	23.42
5 MHz	QPSK	39675	2498.5	1 / 0	24.45
		40620	2593.0	1 / 0	23.80
		41565	2687.5	1 / 12	24.16
	16-QAM	39675	2498.5	1 / 24	23.60
		40620	2593.0	1 / 12	23.02
		41565	2687.5	1 / 12	23.32

Table 7-4. Conducted Power Results – LTE Band 41 PC3 – Ant1

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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
20 MHz	QPSK	39750	2506.0	1 / 50	24.88
		40620	2593.0	1 / 99	24.65
		41490	2680.0	1 / 0	24.74
	16-QAM	39750	2506.0	1 / 50	23.77
		40620	2593.0	1 / 99	23.74
		41490	2680.0	1 / 0	23.78
15 MHz	QPSK	39725	2503.5	1 / 37	24.88
		40620	2593.0	1 / 74	24.45
		41515	2682.5	1 / 37	24.63
	16-QAM	39725	2503.5	1 / 74	23.91
		40620	2593.0	1 / 74	23.49
		41515	2682.5	1 / 37	23.72
10 MHz	QPSK	39700	2501.0	1 / 49	24.78
		40620	2593.0	1 / 49	25.50
		41540	2685.0	1 / 0	24.59
	16-QAM	39700	2501.0	1 / 49	23.83
		40620	2593.0	1 / 49	23.57
		41540	2685.0	1 / 0	23.68
5 MHz	QPSK	39675	2498.5	1 / 12	24.84
		40620	2593.0	1 / 12	24.65
		41565	2687.5	1 / 12	24.58
	16-QAM	39675	2498.5	1 / 12	23.93
		40620	2593.0	1 / 12	23.77
		41565	2687.5	1 / 12	23.68

Table 7-5. Conducted Power Results – LTE Band 41 PC3– Ant2

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.			Page 24 of 136

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	$\pi/2$ BPSK	509202	2546.01	1 / 1	24.60
		518598	2592.99	1 / 271	24.73
		528000	2640.00	1 / 136	24.48
	QPSK	509202	2546.01	1 / 1	24.54
		518598	2592.99	1 / 271	24.78
		528000	2640.00	1 / 136	24.48
	16-QAM	509202	2546.01	1 / 1	23.61
		518598	2592.99	1 / 271	23.80
		528000	2640.00	1 / 136	23.47
90 MHz	$\pi/2$ BPSK	508200	2541.00	1 / 1	24.60
		518598	2592.99	1 / 243	24.59
		528996	2644.98	1 / 122	24.55
	QPSK	508200	2541.00	1 / 1	24.50
		518598	2592.99	1 / 243	24.66
		528996	2644.98	1 / 122	24.58
	16-QAM	508200	2541.00	1 / 1	23.54
		518598	2592.99	1 / 243	23.77
		528996	2644.98	1 / 122	23.60
80 MHz	$\pi/2$ BPSK	507204	2536.02	1 / 1	24.54
		518598	2592.99	1 / 215	24.78
		529998	2649.99	1 / 1	24.66
	QPSK	507204	2536.02	1 / 1	24.38
		518598	2592.99	1 / 215	24.63
		529998	2649.99	1 / 1	24.68
	16-QAM	507204	2536.02	1 / 1	23.49
		518598	2592.99	1 / 215	23.71
		529998	2649.99	1 / 1	23.70
70 MHz	$\pi/2$ BPSK	506202	2531.01	1 / 1	24.45
		518598	2592.99	1 / 187	24.65
		531000	2655.00	1 / 1	24.75
	QPSK	506202	2531.01	1 / 1	24.36
		518598	2592.99	1 / 187	24.69
		531000	2655.00	1 / 1	24.92
	16-QAM	506202	2531.01	1 / 1	23.43
		518598	2592.99	1 / 187	23.72
		531000	2655.00	1 / 1	23.71
60 MHz	$\pi/2$ BPSK	505200	2526.00	1 / 1	24.27
		518598	2592.99	1 / 160	24.81
		531996	2659.98	1 / 1	24.62
	QPSK	505200	2526.00	1 / 1	24.17
		518598	2592.99	1 / 160	24.87
		531996	2659.98	1 / 1	24.62
	16-QAM	505200	2526.00	1 / 1	23.45
		518598	2592.99	1 / 160	23.75
		531996	2659.98	1 / 1	23.74
50 MHz	$\pi/2$ BPSK	504204	2521.02	1 / 1	24.41
		518598	2592.99	1 / 131	24.61
		532998	2664.99	1 / 1	24.60
	QPSK	504204	2521.02	1 / 1	24.41
		518598	2592.99	1 / 131	24.66
		532998	2664.99	1 / 1	24.65
	16-QAM	504204	2521.02	1 / 1	23.44
		518598	2592.99	1 / 131	23.55
		532998	2664.99	1 / 1	23.65

Table 7-6. Conducted Power Results – NR Band n41 PC3 – Default – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 25 of 136

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
40 MHz	$\pi/2$ BPSK	503202	2516.01	1 / 1	24.27
		518598	2592.99	1 / 104	24.42
		534000	2670.00	1 / 1	24.49
	QPSK	503202	2516.01	1 / 1	24.20
		518598	2592.99	1 / 104	24.47
		534000	2670.00	1 / 1	24.47
	16-QAM	503202	2516.01	1 / 1	23.37
		518598	2592.99	1 / 104	23.48
		534000	2670.00	1 / 1	23.54
30 MHz	$\pi/2$ BPSK	502200	2511.00	1 / 1	24.23
		518598	2592.99	1 / 76	24.22
		534996	2674.98	1 / 1	24.45
	QPSK	502200	2511.00	1 / 1	24.18
		518598	2592.99	1 / 76	24.26
		534996	2674.98	1 / 76	24.26
	16-QAM	502200	2511.00	1 / 1	23.39
		518598	2592.99	1 / 76	23.27
		534996	2674.98	1 / 76	23.43
20 MHz	$\pi/2$ BPSK	501204	2506.02	1 / 1	24.24
		518598	2592.99	1 / 49	23.99
		535998	2679.99	1 / 25	24.33
	QPSK	501204	2506.02	1 / 1	24.12
		518598	2592.99	1 / 49	23.92
		535998	2679.99	1 / 25	24.24
	16-QAM	501204	2506.02	1 / 1	23.14
		518598	2592.99	1 / 49	23.15
		535998	2679.99	1 / 25	23.22
15 MHz	$\pi/2$ BPSK	500706	2503.50	1 / 1	24.34
		518598	2592.99	1 / 36	23.95
		536449	2682.50	1 / 19	24.33
	QPSK	500706	2503.50	1 / 1	24.26
		518598	2592.99	1 / 36	23.91
		536449	2682.50	1 / 19	24.22
	16-QAM	500706	2503.50	1 / 1	23.41
		518598	2592.99	1 / 36	23.08
		536449	2682.50	1 / 19	23.21
10 MHz	$\pi/2$ BPSK	500208	2501.00	1 / 1	24.33
		518598	2592.99	1 / 12	23.91
		537000	2685.00	1 / 12	24.19
	QPSK	500208	2501.00	1 / 1	24.37
		518598	2592.99	1 / 12	23.92
		537000	2685.00	1 / 12	24.07
	16-QAM	500208	2501.00	1 / 1	23.27
		518598	2592.99	1 / 12	22.77
		537000	2685.00	1 / 12	23.14

Table 7-7. Conducted Power Results – NR Band n41 PC3 – Default – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 26 of 136

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	$\pi/2$ BPSK	509202	2546.01	1 / 271	25.32
		518598	2592.99	1 / 271	25.93
		528000	2640.00	1 / 136	25.52
	QPSK	509202	2546.01	1 / 271	25.28
		518598	2592.99	1 / 271	25.86
		528000	2640.00	1 / 136	25.52
	16-QAM	509202	2546.01	1 / 1	24.28
		518598	2592.99	1 / 271	24.86
		528000	2640.00	1 / 136	24.41
90 MHz	$\pi/2$ BPSK	508200	2541.00	1 / 1	25.24
		518598	2592.99	1 / 243	25.85
		528996	2644.98	1 / 122	25.54
	QPSK	508200	2541.00	1 / 1	25.22
		518598	2592.99	1 / 243	25.84
		528996	2644.98	1 / 122	25.52
	16-QAM	508200	2541.00	1 / 1	24.17
		518598	2592.99	1 / 243	24.82
		528996	2644.98	1 / 122	24.48
80 MHz	$\pi/2$ BPSK	507204	2536.02	1 / 1	25.11
		518598	2592.99	1 / 215	25.77
		529998	2649.99	1 / 108	25.39
	QPSK	507204	2536.02	1 / 1	25.12
		518598	2592.99	1 / 215	25.71
		529998	2649.99	1 / 108	25.37
	16-QAM	507204	2536.02	1 / 1	24.10
		518598	2592.99	1 / 215	24.71
		529998	2649.99	1 / 108	24.36
70 MHz	$\pi/2$ BPSK	506202	2531.01	1 / 1	25.08
		518598	2592.99	1 / 187	25.66
		531000	2655.00	1 / 1	25.41
	QPSK	506202	2531.01	1 / 1	25.07
		518598	2592.99	1 / 187	25.65
		531000	2655.00	1 / 1	25.41
	16-QAM	506202	2531.01	1 / 1	24.06
		518598	2592.99	1 / 187	24.65
		531000	2655.00	1 / 1	24.41
60 MHz	$\pi/2$ BPSK	505200	2526.00	1 / 1	25.02
		518598	2592.99	1 / 160	25.58
		531996	2659.98	1 / 1	25.55
	QPSK	505200	2526.00	1 / 1	24.95
		518598	2592.99	1 / 160	25.55
		531996	2659.98	1 / 1	25.51
	16-QAM	505200	2526.00	1 / 1	23.96
		518598	2592.99	1 / 160	24.51
		531996	2659.98	1 / 1	24.51
50 MHz	$\pi/2$ BPSK	504204	2521.02	1 / 1	25.06
		518598	2592.99	1 / 131	25.44
		532998	2664.99	1 / 1	25.69
	QPSK	504204	2521.02	1 / 1	25.02
		518598	2592.99	1 / 131	25.42
		532998	2664.99	1 / 1	25.59
	16-QAM	504204	2521.02	1 / 131	23.99
		518598	2592.99	1 / 131	24.41
		532998	2664.99	1 / 1	24.56

Table 7-8. Conducted Power Results – NR Band n41 PC3 – Tx Hopping – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
40 MHz	$\pi/2$ BPSK	503202	2516.01	1 / 1	25.01
		518598	2592.99	1 / 104	25.40
		534000	2670.00	1 / 1	25.54
	QPSK	503202	2516.01	1 / 104	24.93
		518598	2592.99	1 / 104	25.39
		534000	2670.00	1 / 1	25.49
	16-QAM	503202	2516.01	1 / 104	23.94
		518598	2592.99	1 / 104	24.37
		534000	2670.00	1 / 1	24.45
30 MHz	$\pi/2$ BPSK	502200	2511.00	1 / 1	25.28
		518598	2592.99	1 / 76	25.30
		534996	2674.98	1 / 1	25.51
	QPSK	502200	2511.00	1 / 1	25.21
		518598	2592.99	1 / 76	25.27
		534996	2674.98	1 / 1	25.48
	16-QAM	502200	2511.00	1 / 1	24.23
		518598	2592.99	1 / 76	24.24
		534996	2674.98	1 / 1	24.46
20 MHz	$\pi/2$ BPSK	501204	2506.02	1 / 25	25.10
		518598	2592.99	1 / 25	25.15
		535998	2679.99	1 / 1	25.16
	QPSK	501204	2506.02	1 / 25	25.06
		518598	2592.99	1 / 49	25.13
		535998	2679.99	1 / 25	25.03
	16-QAM	501204	2506.02	1 / 1	24.03
		518598	2592.99	1 / 1	24.07
		535998	2679.99	1 / 1	24.01
15 MHz	$\pi/2$ BPSK	500706	2503.50	1 / 1	25.22
		518598	2592.99	1 / 19	25.19
		536449	2682.50	1 / 1	25.17
	QPSK	500706	2503.50	1 / 19	25.23
		518598	2592.99	1 / 19	25.14
		536449	2682.50	1 / 1	25.13
	16-QAM	500706	2503.50	1 / 1	24.21
		518598	2592.99	1 / 36	24.12
		536449	2682.50	1 / 36	24.01
10 MHz	$\pi/2$ BPSK	500208	2501.00	1 / 12	25.19
		518598	2592.99	1 / 12	25.17
		537000	2685.00	1 / 12	24.95
	QPSK	500208	2501.00	1 / 1	25.16
		518598	2592.99	1 / 12	25.14
		537000	2685.00	1 / 1	24.93
	16-QAM	500208	2501.00	1 / 1	24.13
		518598	2592.99	1 / 12	24.10
		537000	2685.00	1 / 1	23.88

Table 7-9. Conducted Power Results – NR Band n41 PC3 – Tx Hopping – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	QPSK	509202	2546.01	1 / 271	23.32
		518598	2592.99	1 / 271	23.38
		528000	2640.00	1 / 136	23.61

Table 7-10. Conducted Power Results – NR Band n41 PC2 – Default – Ant2

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	QPSK	509202	2546.01	1 / 1	23.85
		518598	2592.99	1 / 1	24.33
		528000	2640.00	1 / 271	24.88

Table 7-11. Conducted Power Results – NR Band n41 PC2 – Tx Hopping – Ant2

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	QPSK	509202	2546.01	1 / 136	23.43
		518598	2592.99	1 / 1	23.51
		528000	2640.00	1 / 1	23.96

Table 7-12. Conducted Power Results – NR Band n41 PC2 – Default – Ant3

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	QPSK	509202	2546.01	1 / 136	24.94
		518598	2592.99	1 / 1	24.99
		528000	2640.00	1 / 271	24.78

Table 7-13. Conducted Power Results – NR Band n41 PC2 – Tx Hopping – Ant3

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	QPSK	509202	2546.01	1 / 136	22.27
		518598	2592.99	1 / 1	22.30
		528000	2640.00	1 / 1	22.05

Table 7-14. Conducted Power Results – NR Band n41 PC2 – Default – Ant4

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	QPSK	509202	2546.01	1 / 136	24.32
		518598	2592.99	1 / 136	24.27
		528000	2640.00	1 / 1	24.31

Table 7-15. Conducted Power Results – NR Band n41 PC2 – Tx Hopping – Ant4

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT		Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: 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.

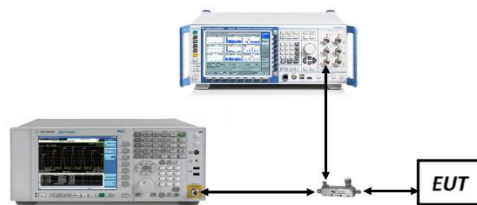


Figure 7-3. Test Instrument & Measurement Setup

Test Notes

Only the highest target power SRS-1 antenna for n41 default (Antenna B) and n41 Tx Hopping (Antenna H) are reported for the overall n41 SRS worst case.

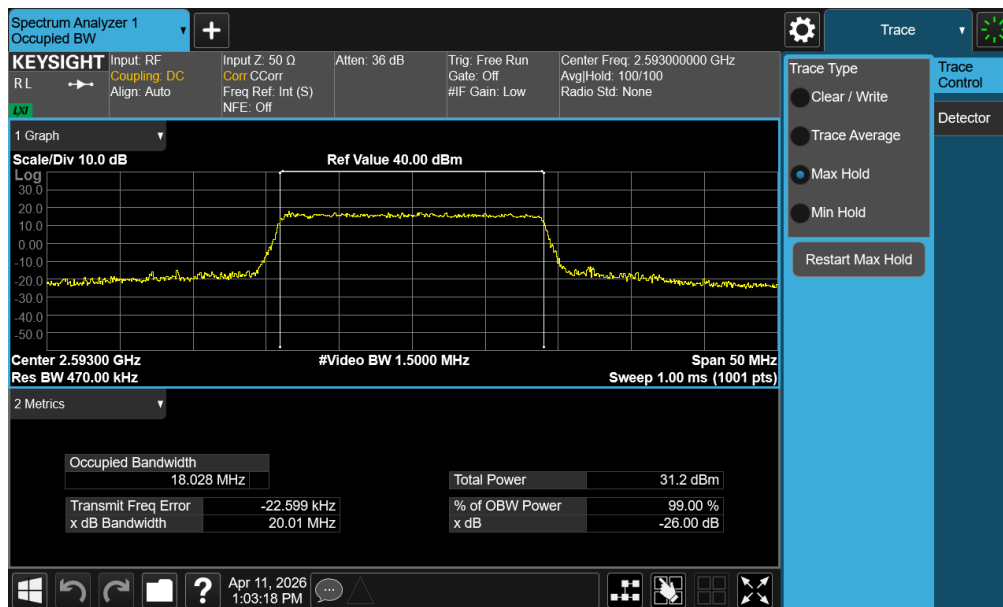
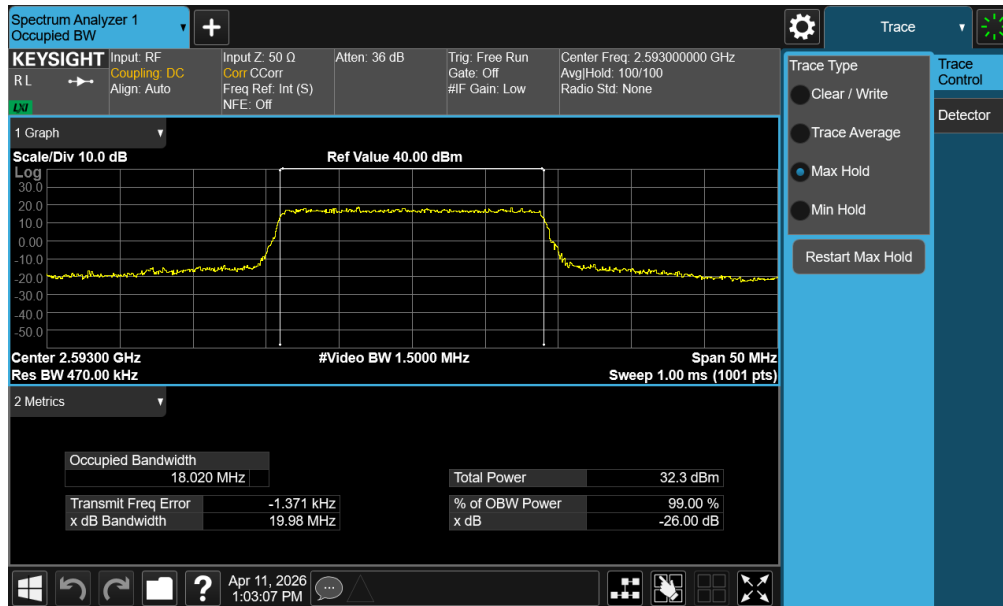
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Mode	Bandwidth	Modulation	OBW [MHz]
LTE-B41PC2	20MHz	QPSK	18.02
		16QAM	18.03
	15MHz	QPSK	13.54
		16QAM	13.54
	10MHz	QPSK	9.04
		16QAM	9.04
LTE-B41PC3	20MHz	QPSK	18.02
		16QAM	18.02
	15MHz	QPSK	13.56
		16QAM	13.52
	10MHz	QPSK	9.08
		16QAM	9.04
NR-n41PC3	100MHz	QPSK	18.02
		16QAM	18.02
		16QAM	18.02
	90MHz	QPSK	13.56
		16QAM	13.52
		16QAM	13.52
	80MHz	QPSK	9.08
		16QAM	9.04
		16QAM	9.04
	70MHz	QPSK	4.54
		16QAM	4.54
		16QAM	4.54
	60MHz	QPSK	18.02
		16QAM	18.02
		16QAM	18.02
	50MHz	QPSK	13.56
		16QAM	13.52
		16QAM	13.52
	40MHz	QPSK	9.08
		16QAM	9.04
		16QAM	9.04
	30MHz	QPSK	4.54
		16QAM	4.54
		16QAM	4.54
	20MHz	QPSK	18.02
		16QAM	18.02
		16QAM	18.02
	15MHz	QPSK	13.56
		16QAM	13.52
		16QAM	13.52
	10MHz	QPSK	9.08
		16QAM	9.04
		16QAM	9.04

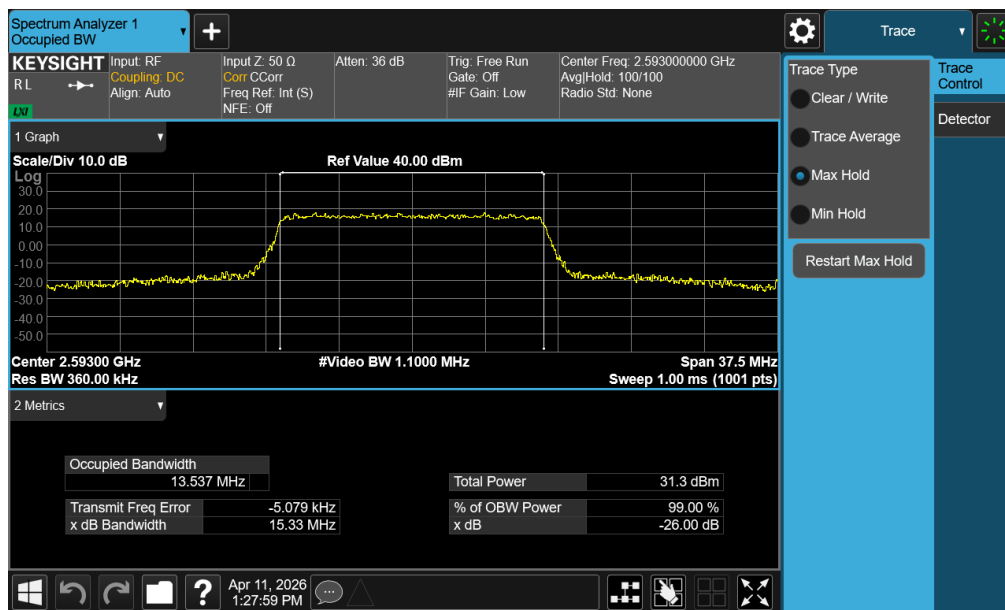
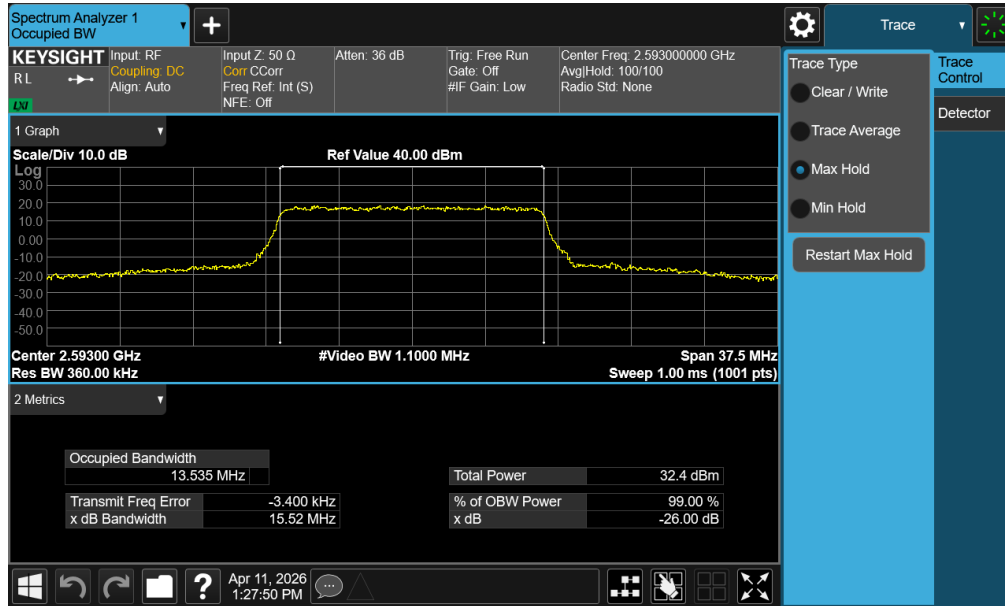
Table 7-16. Occupied Bandwidth Test Results – Ant 1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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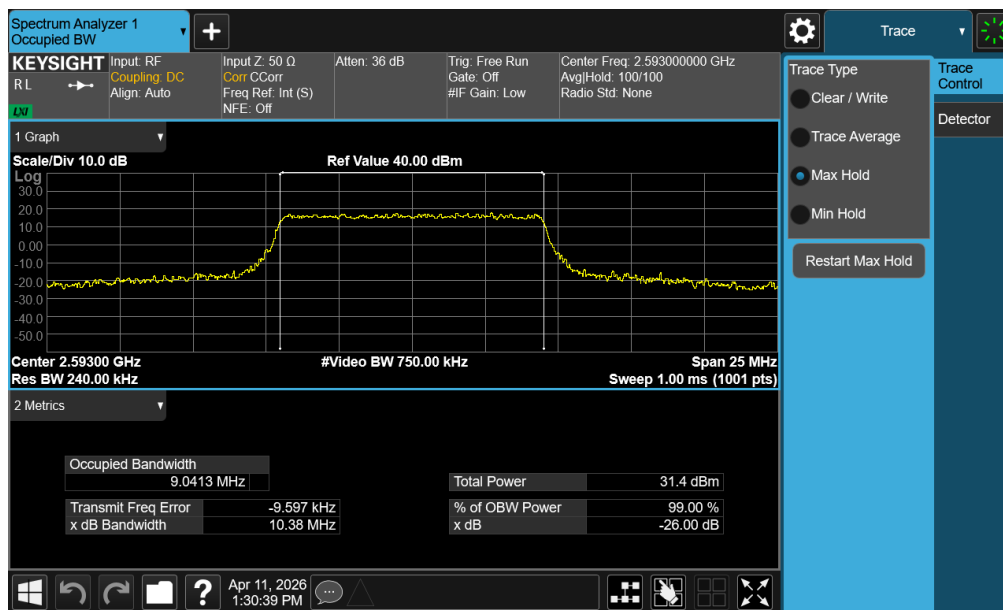
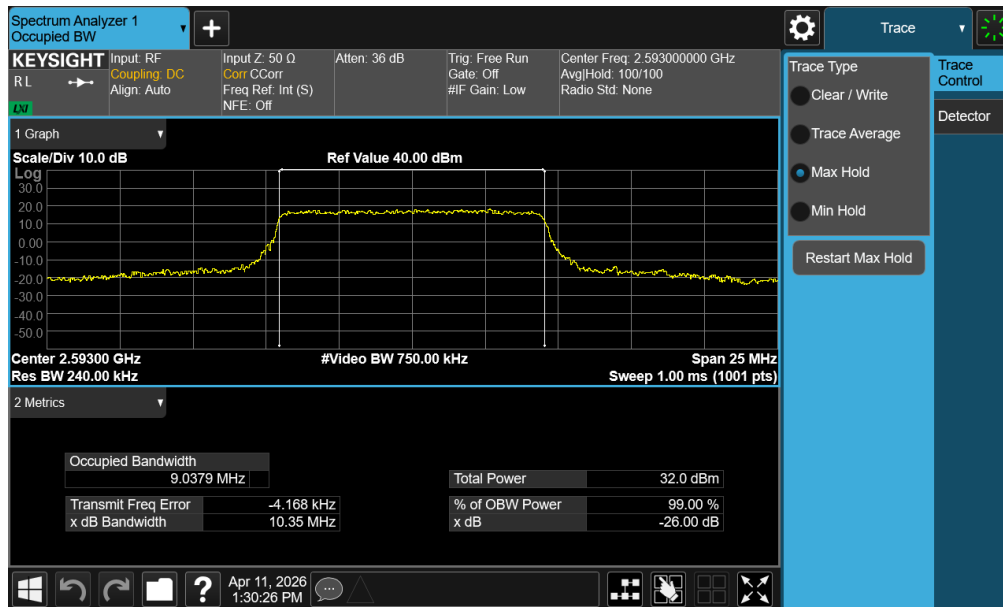
LTE Band 41(PC2) – Ant1



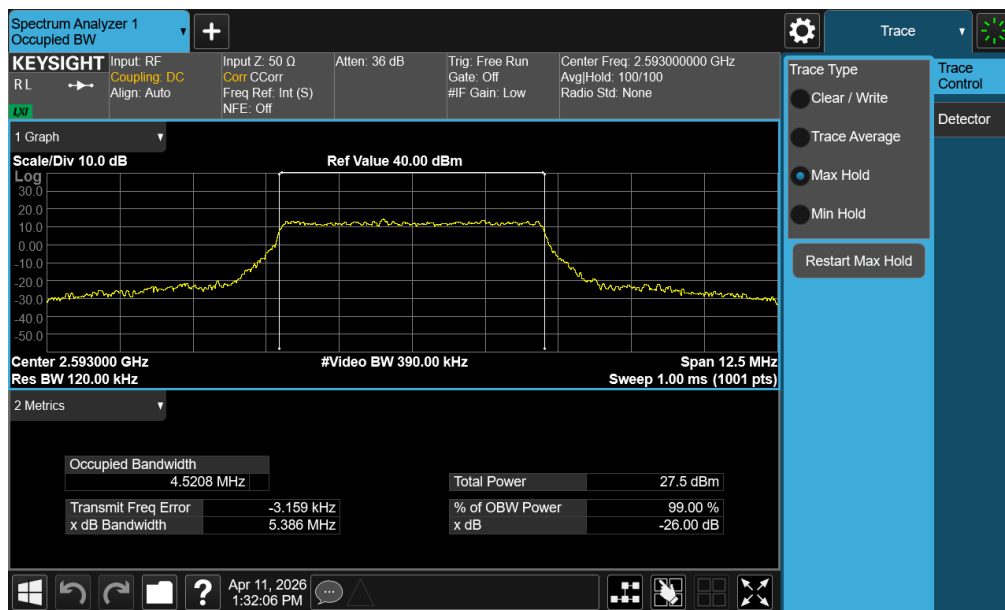
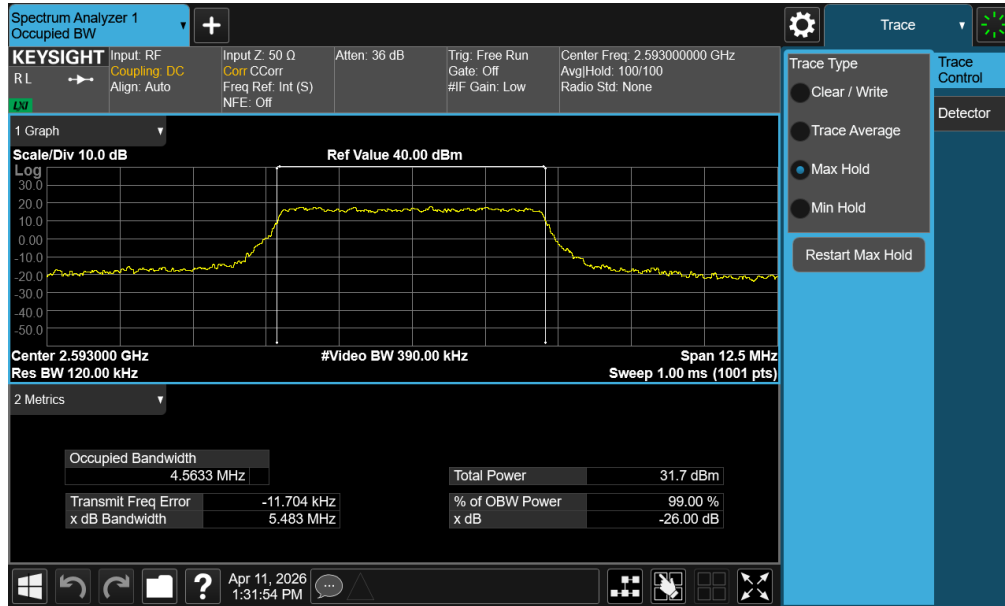
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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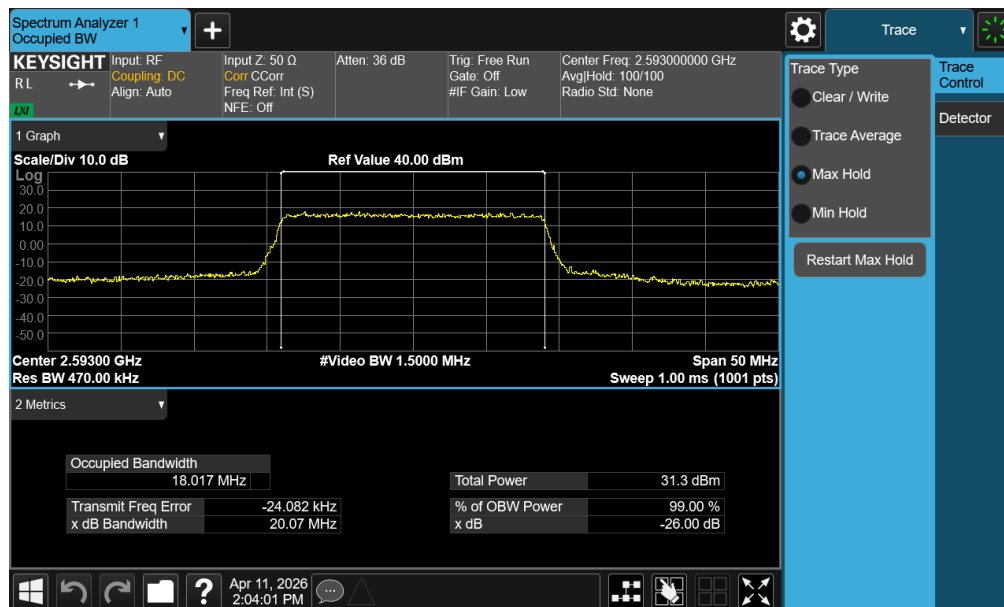


FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 34 of 136

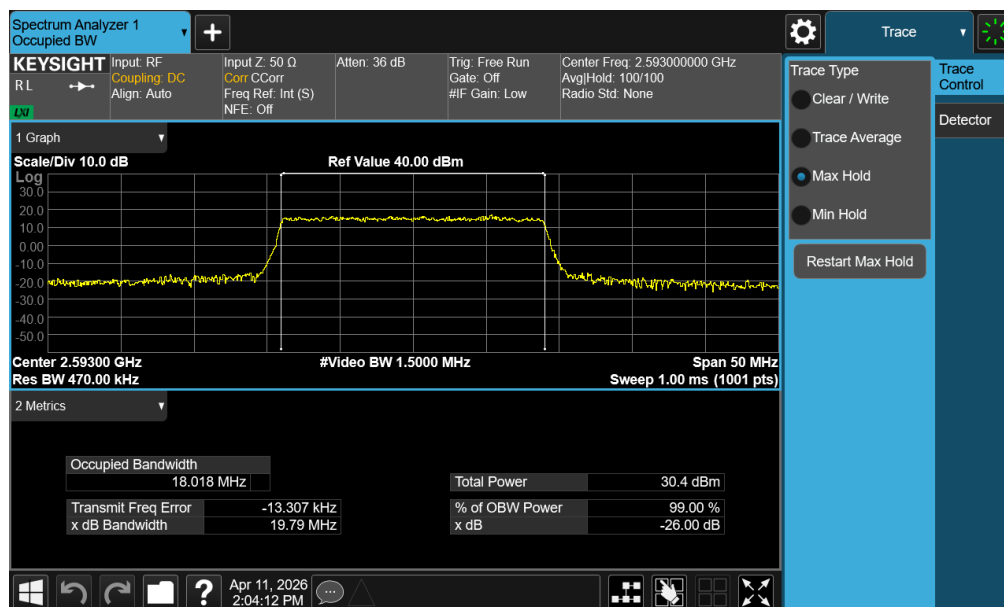


FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 35 of 136

LTE Band 41(PC3) – Ant1

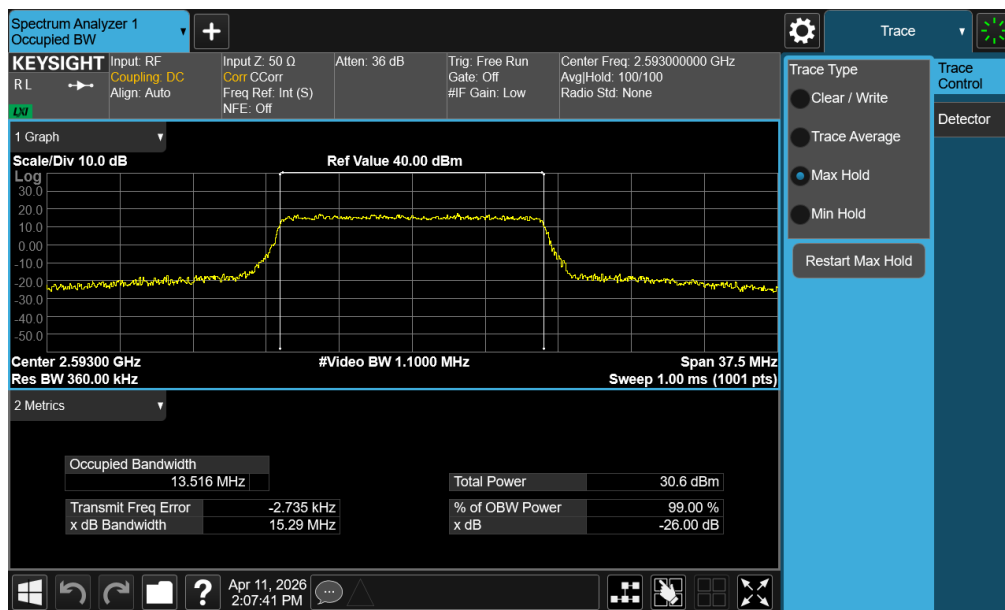
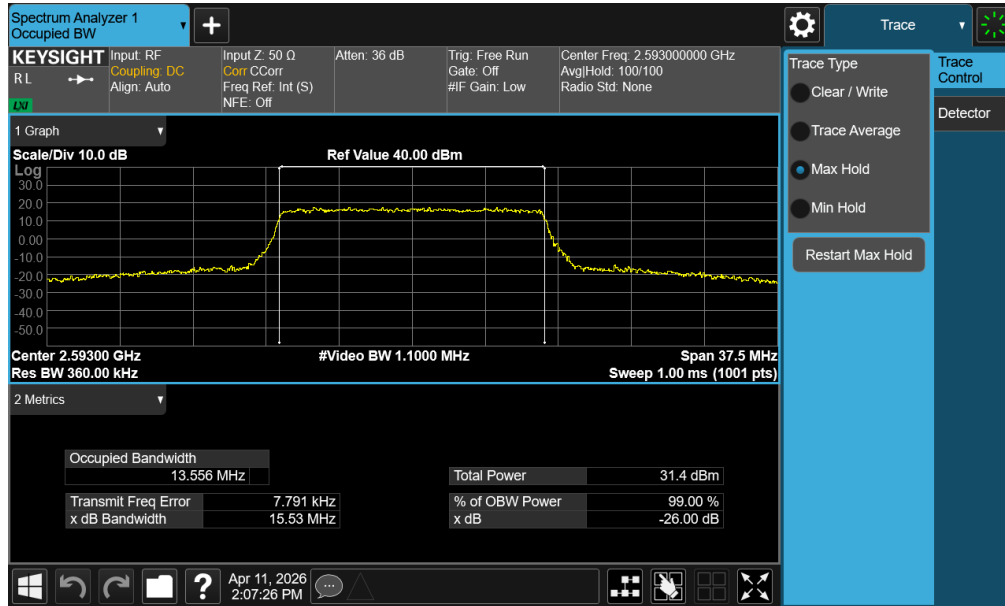


Plot 7-9. Occupied Bandwidth Plot (LTE Band 41(PC3) - 20MHz QPSK - Full RB - Ant1)

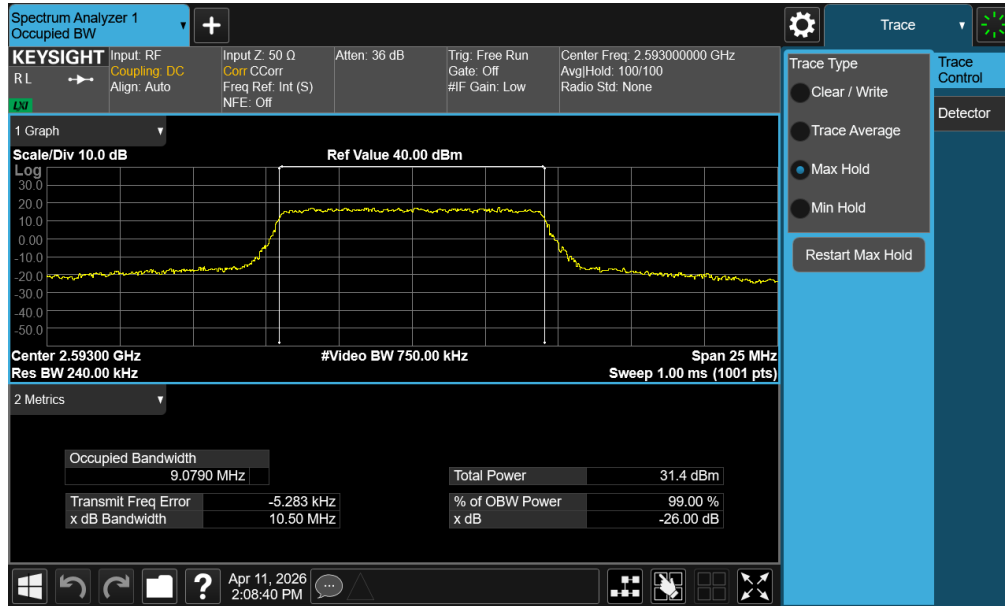


Plot 7-10. Occupied Bandwidth Plot (LTE Band 41(PC3) - 20MHz 16-QAM - Full RB - Ant1)

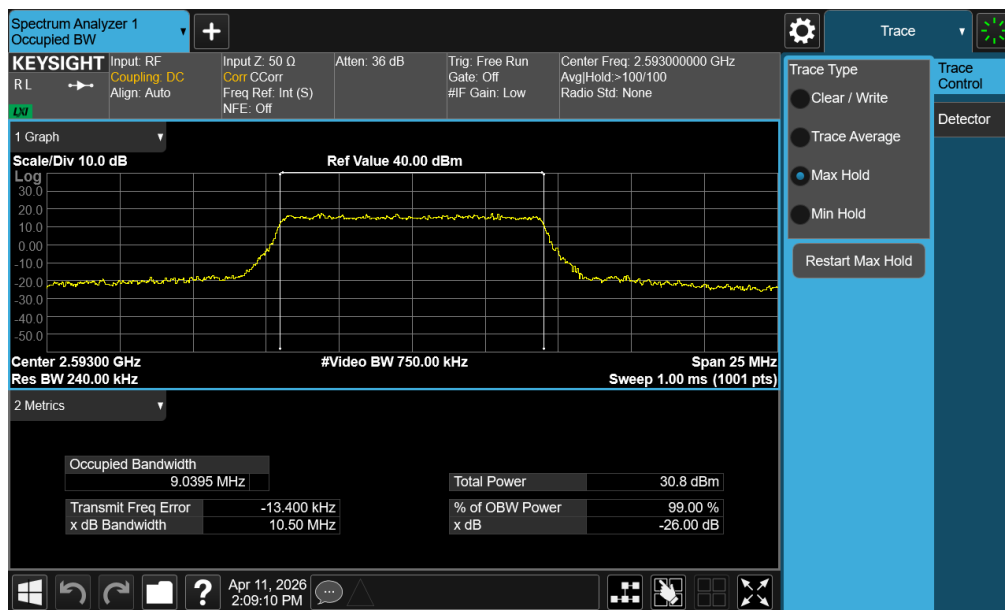
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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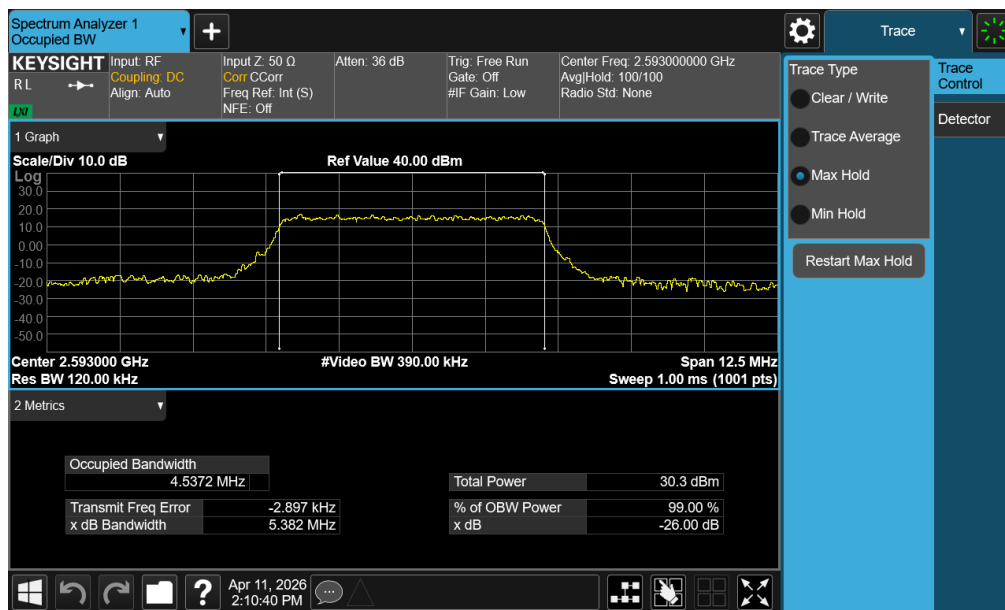
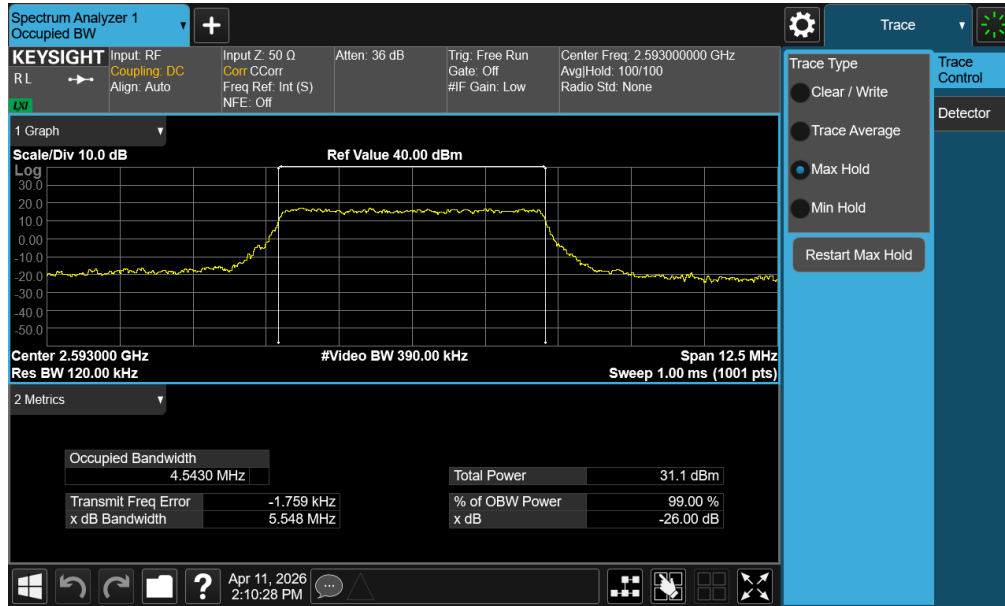


Plot 7-13. Occupied Bandwidth Plot (LTE Band 41(PC3)/38 - 10MHz QPSK - Full RB - Ant1)



Plot 7-14. Occupied Bandwidth Plot (LTE Band 41(PC3)/38 - 10MHz 16-QAM - Full RB - Ant1)

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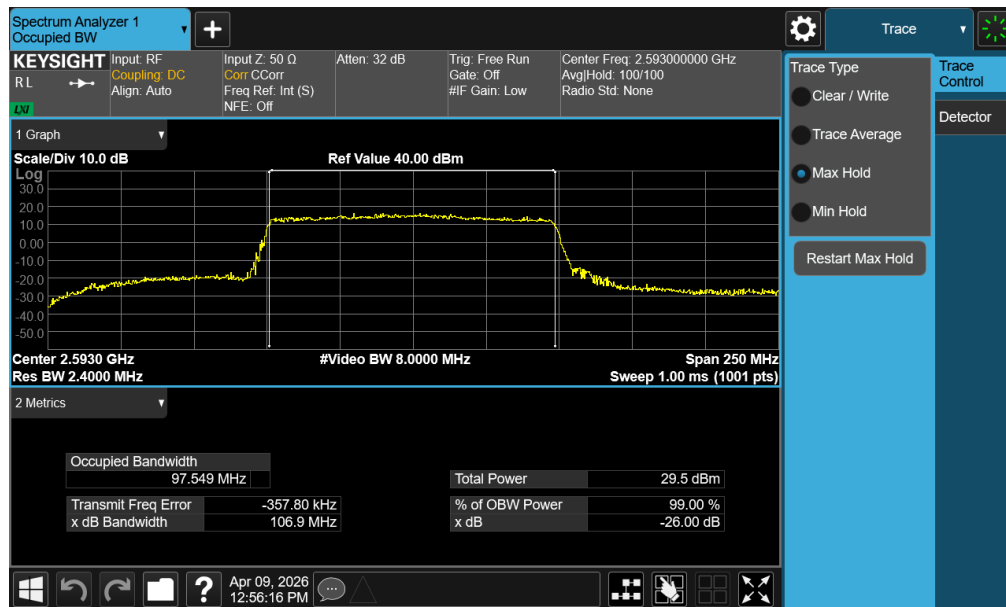


FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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NR Band n41 PC3 – Default – Ant1

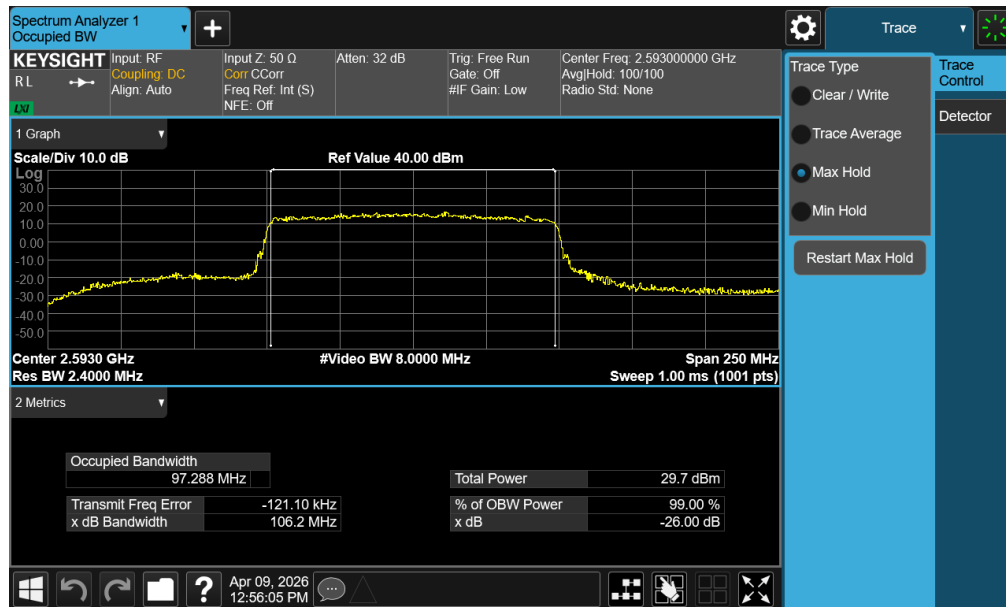


Plot 7-17. Occupied Bandwidth Plot (NR Band n41 PC3 – 100MHz $\pi/2$ BPSK – Full RB – Default – Ant1)

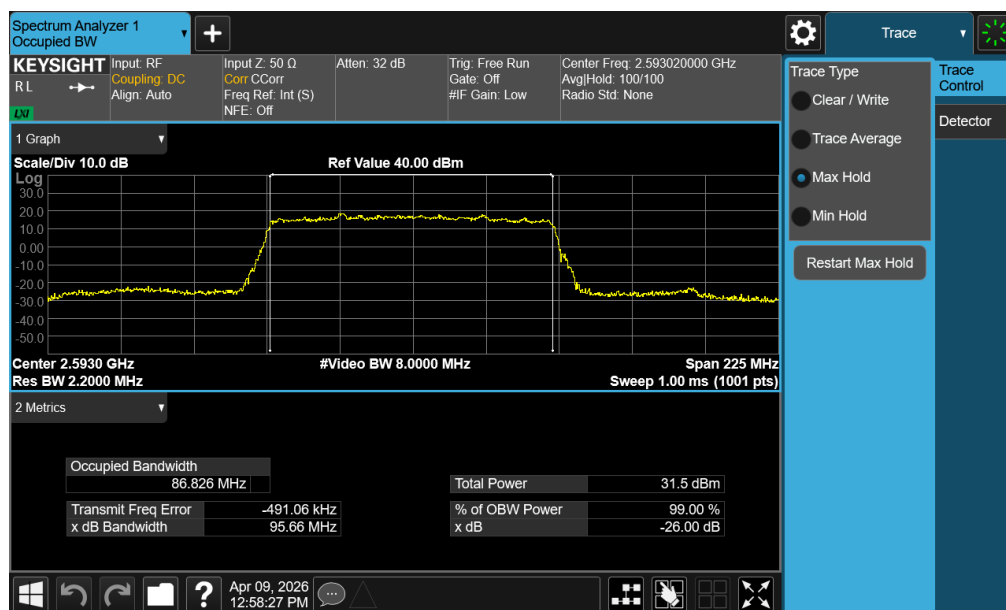


Plot 7-18. Occupied Bandwidth Plot (NR Band n41 PC3 – 100MHz QPSK – Full RB – Default – Ant1)

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 40 of 136

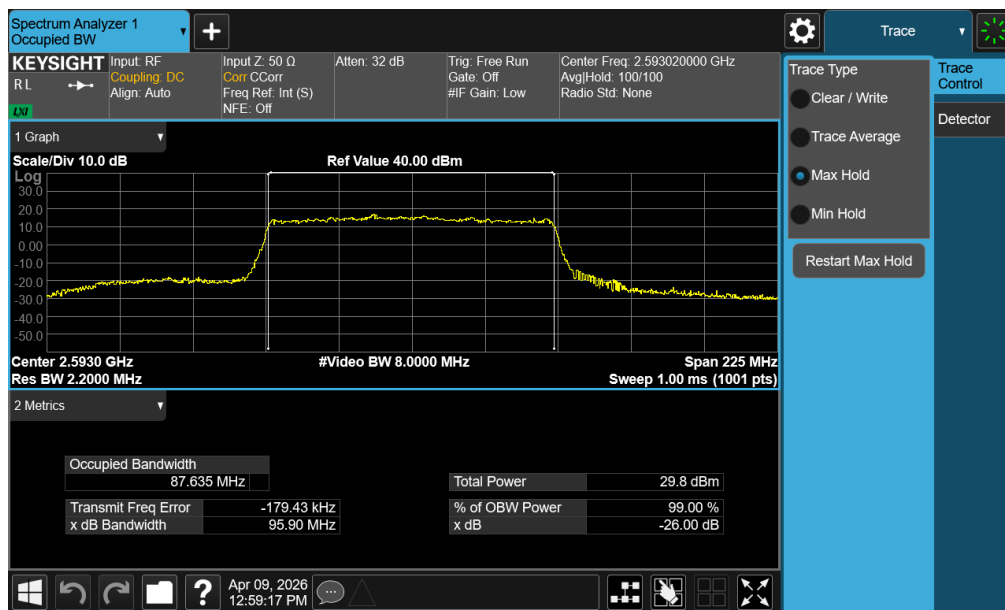
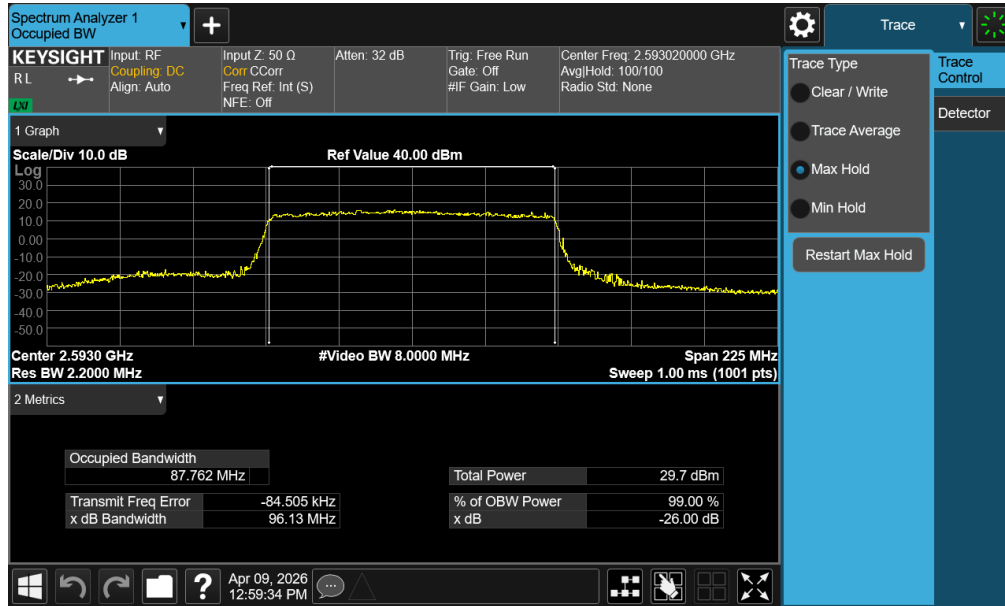


Plot 7-19. Occupied Bandwidth Plot (NR Band n41 PC3 – 100MHz 16-QAM – Full RB – Default – Ant1)

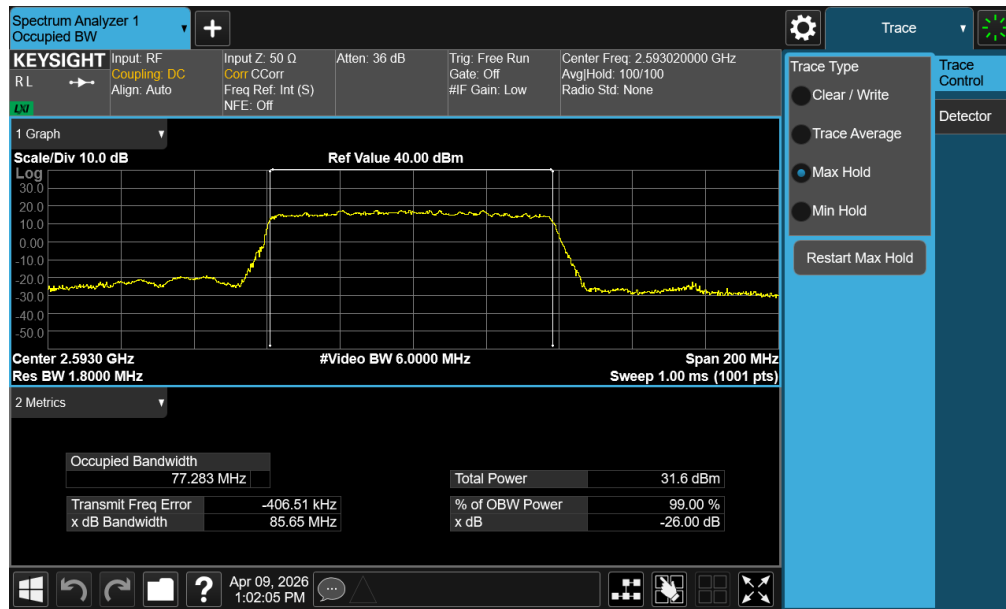


Plot 7-20. Occupied Bandwidth Plot (NR Band n41 PC3 – 90MHz $\pi/2$ BPSK – Full RB – Default – Ant1)

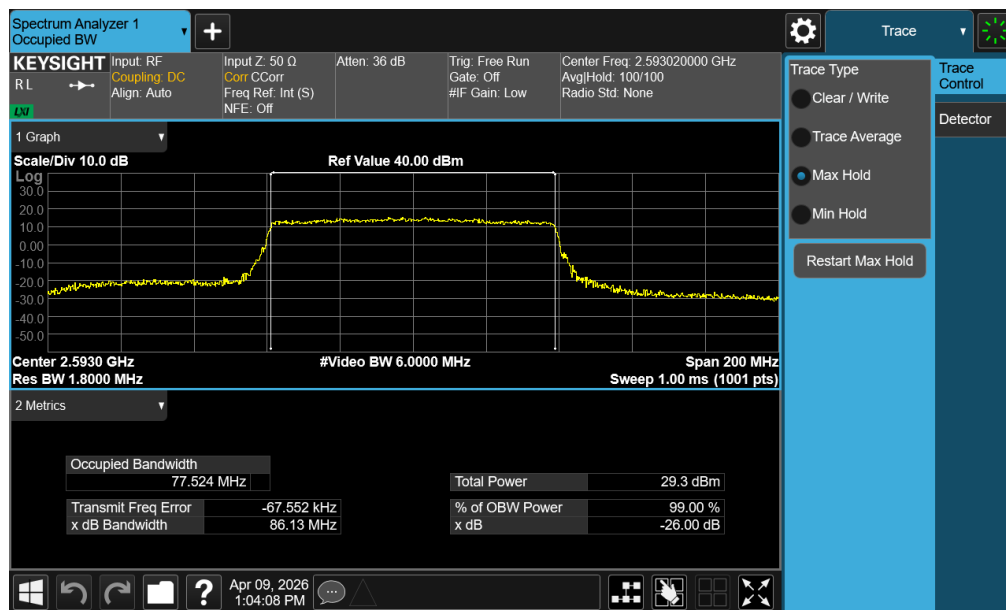
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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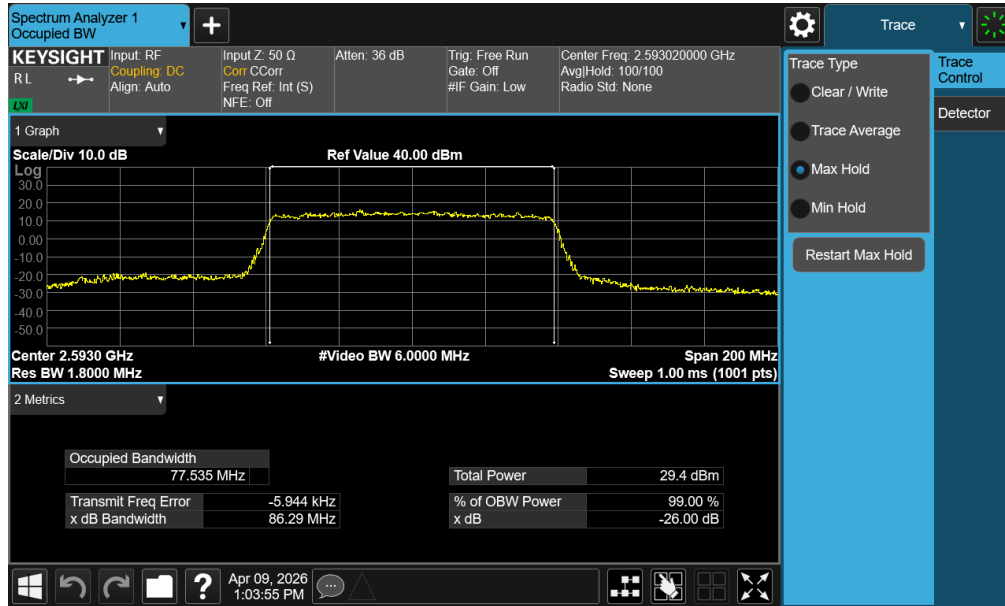


Plot 7-23. Occupied Bandwidth Plot (NR Band n41 PC3 – 80MHz $\pi/2$ BPSK – Full RB – Default – Ant1)

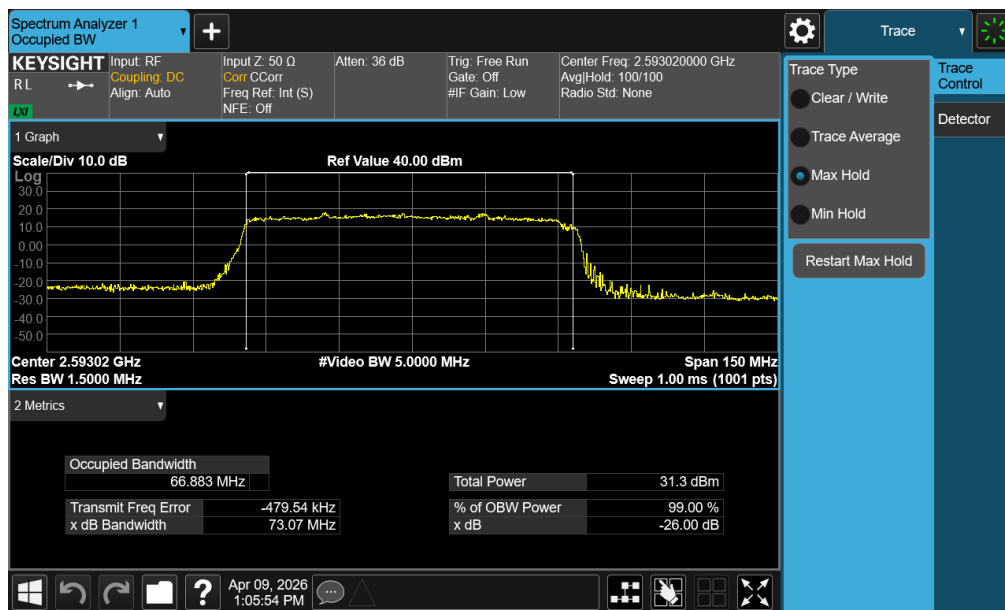


Plot 7-24. Occupied Bandwidth Plot (NR Band n41 PC3 – 80MHz QPSK – Full RB – Default – Ant1)

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 43 of 136

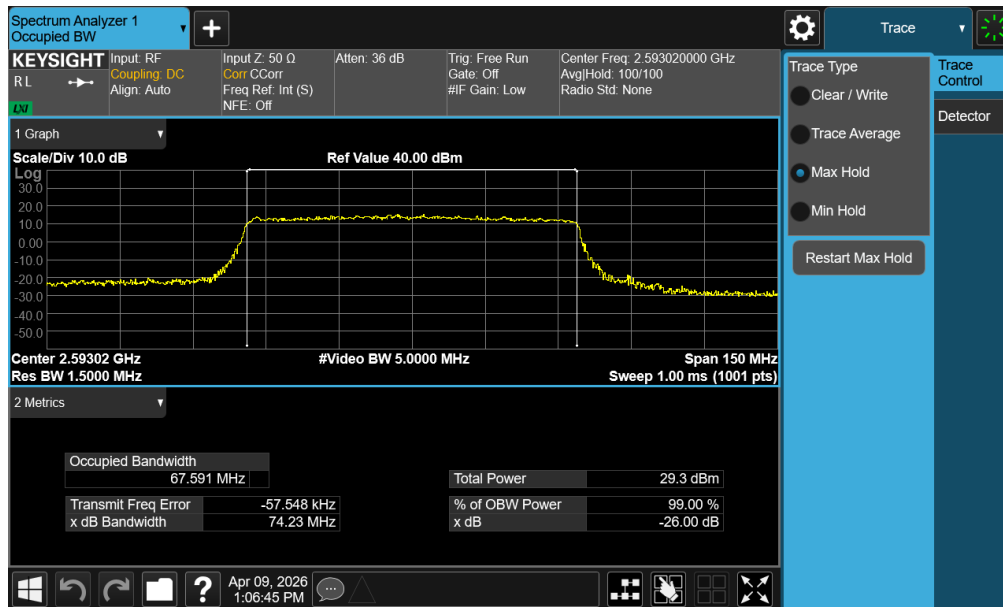


Plot 7-25. Occupied Bandwidth Plot (NR Band n41 PC3 – 80MHz 16-QAM – Full RB – Default – Ant1)

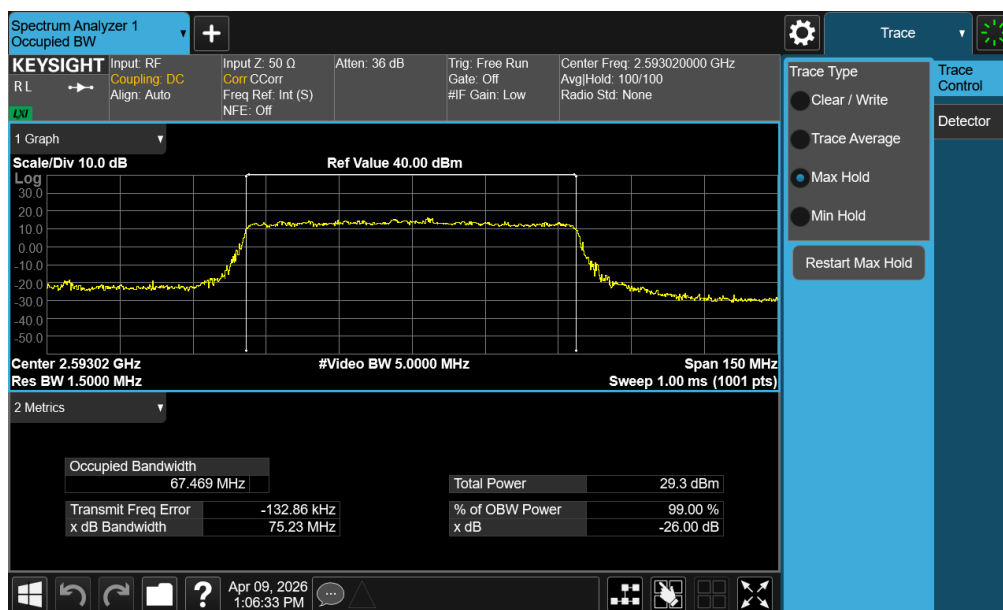


Plot 7-26. Occupied Bandwidth Plot (NR Band n41 PC3 – 70MHz $\pi/2$ BPSK – Full RB – Default – Ant1)

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 44 of 136

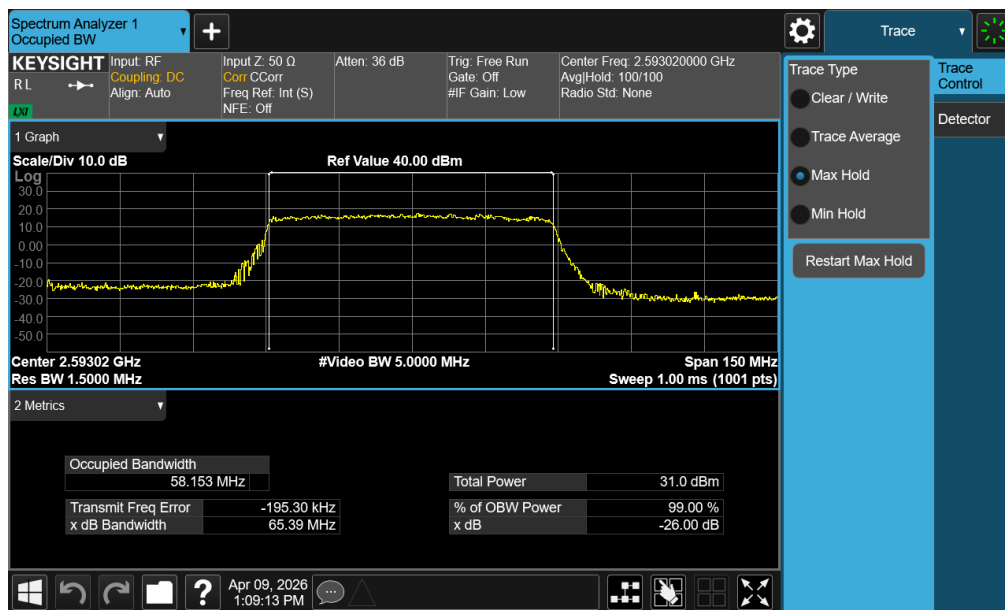
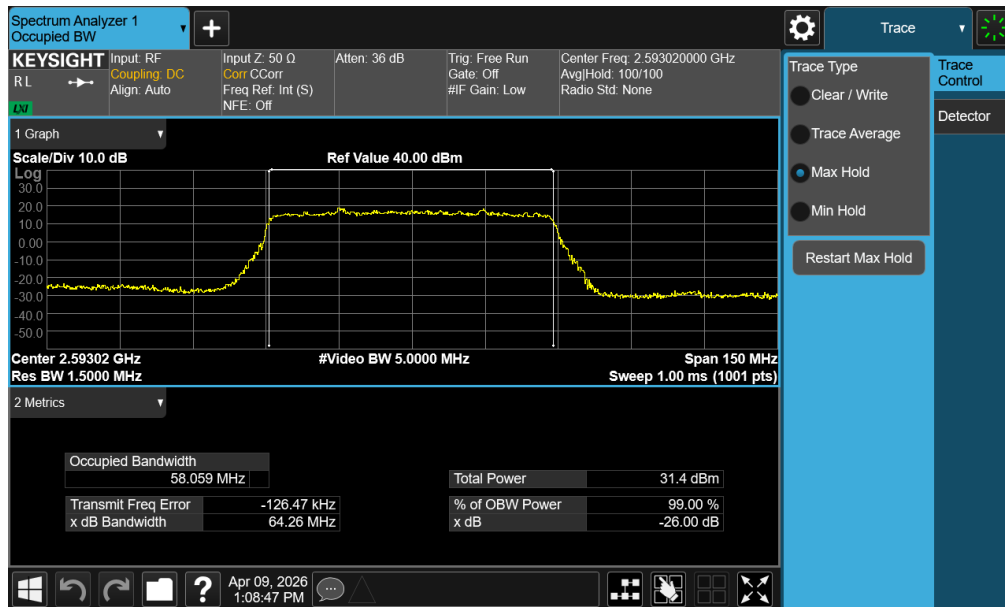


Plot 7-27. Occupied Bandwidth Plot (NR Band n41 PC3 – 70MHz QPSK – Full RB – Default – Ant1)

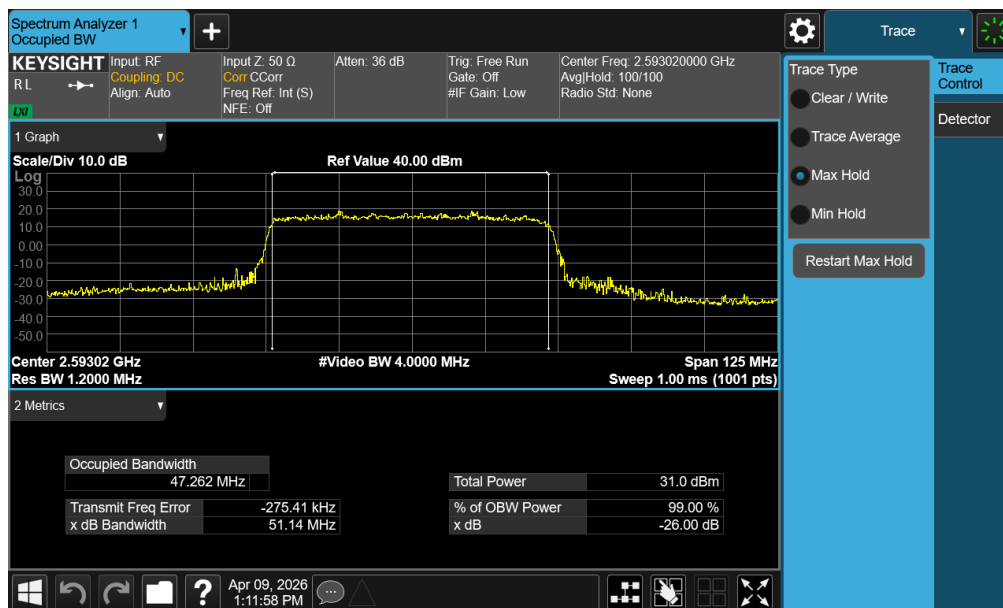
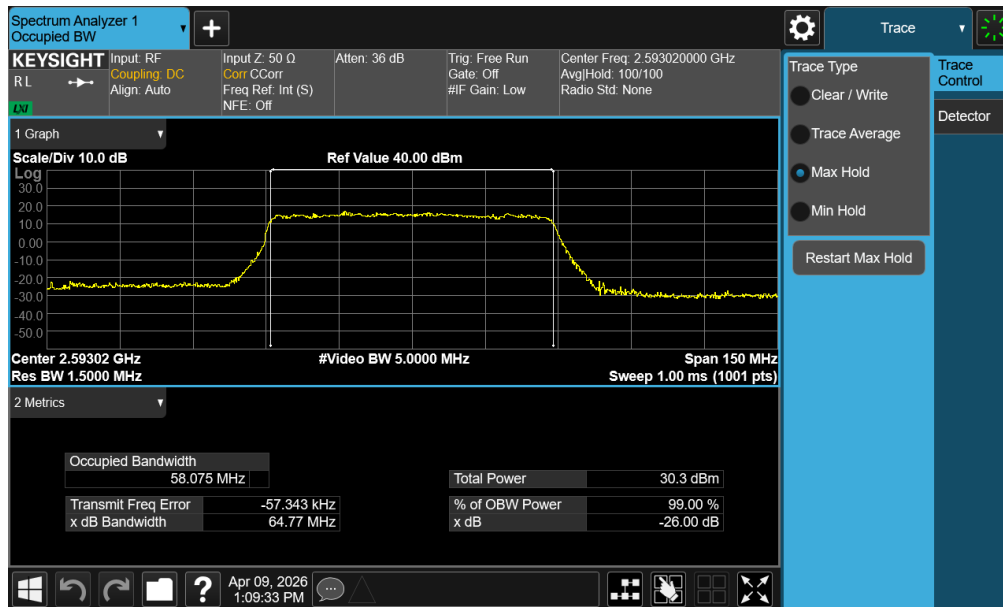


Plot 7-28. Occupied Bandwidth Plot (NR Band n41 PC3 – 70MHz 16-QAM – Full RB – Default – Ant1)

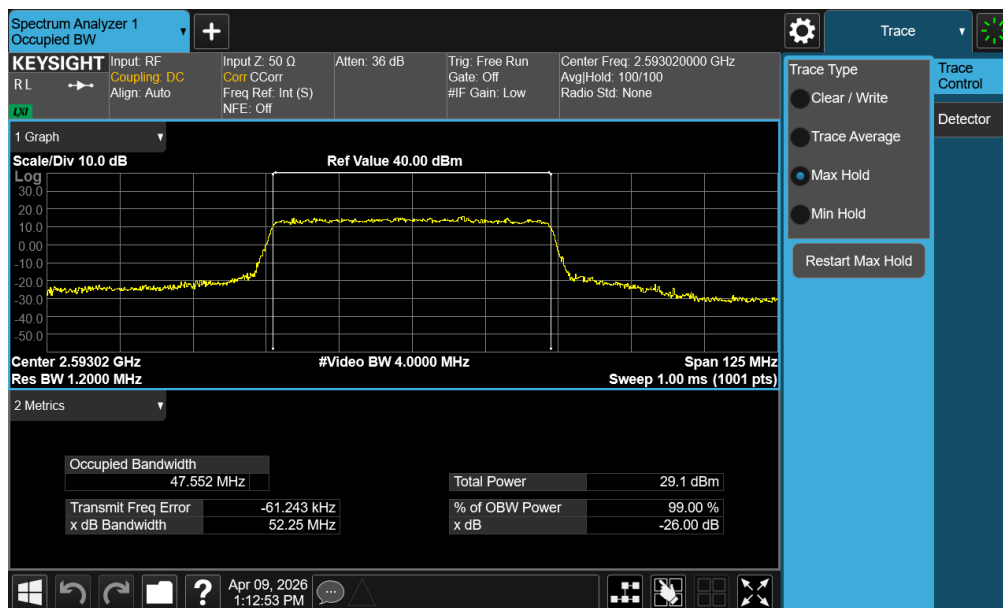
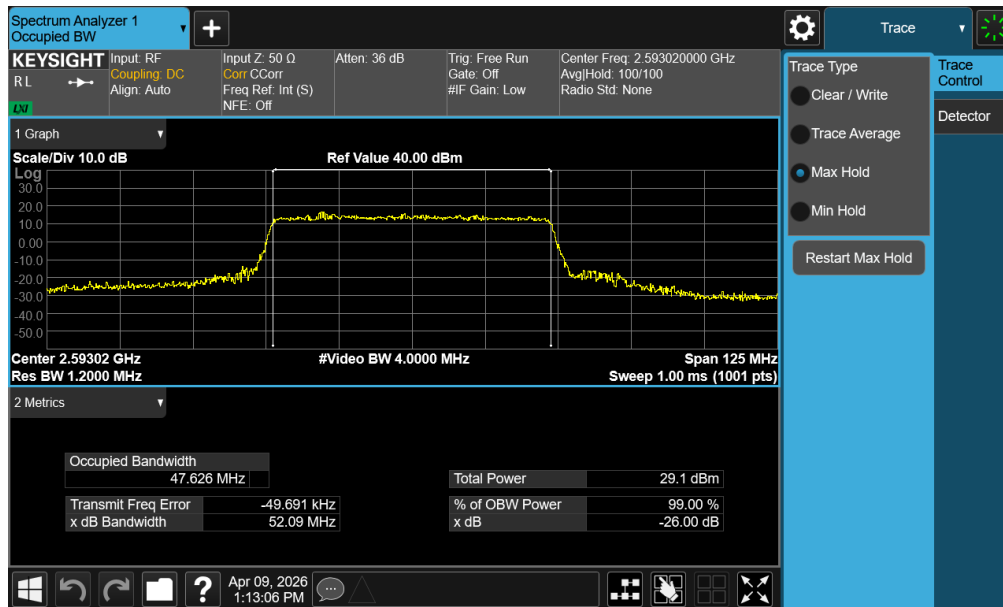
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.			Page 45 of 136



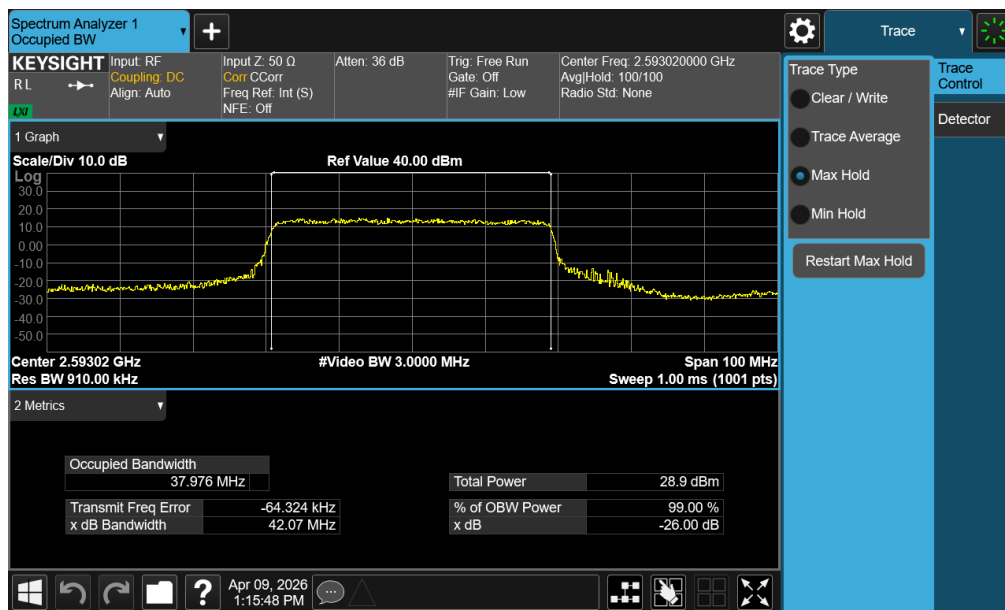
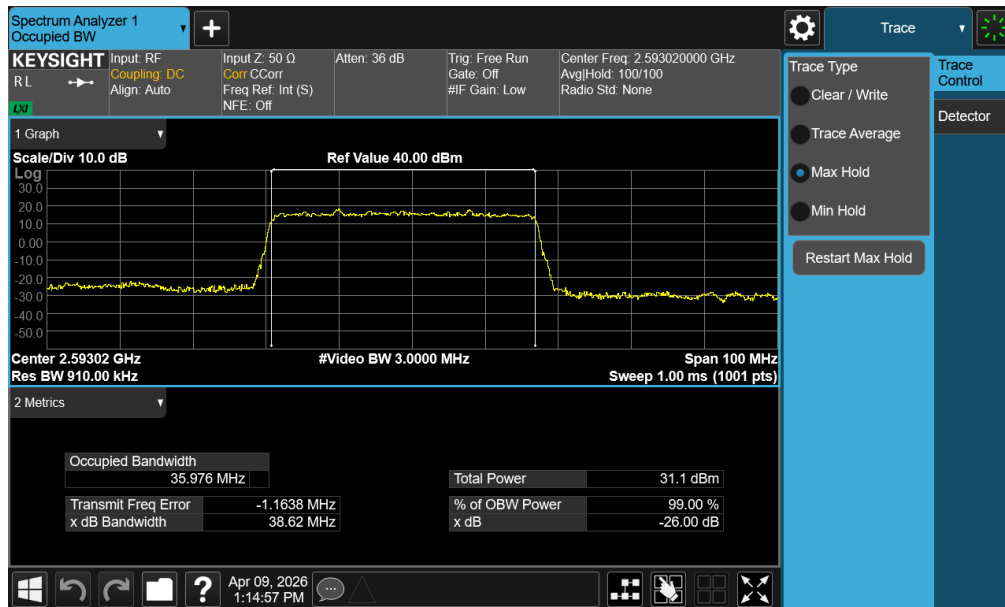
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 46 of 136



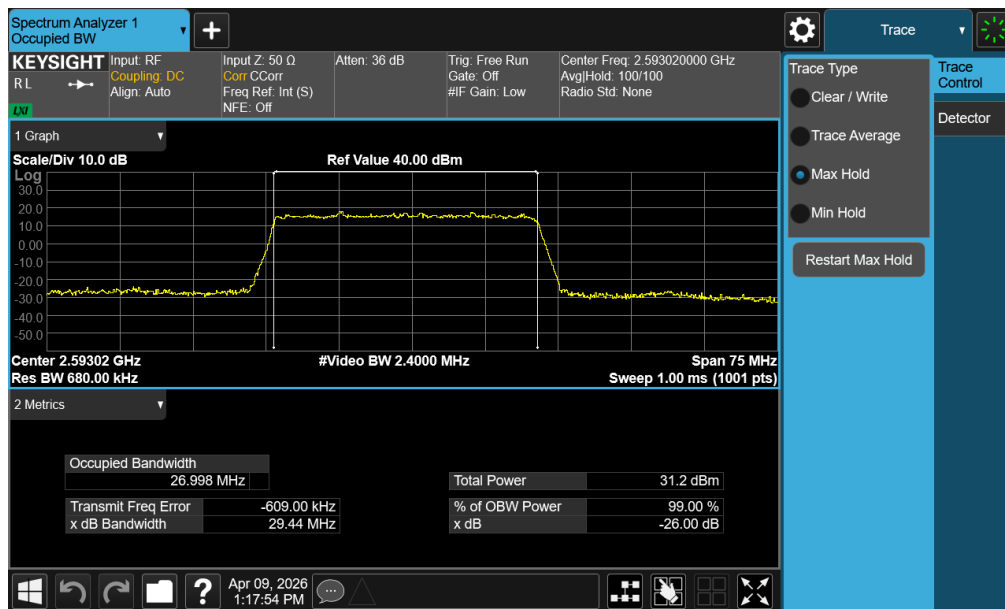
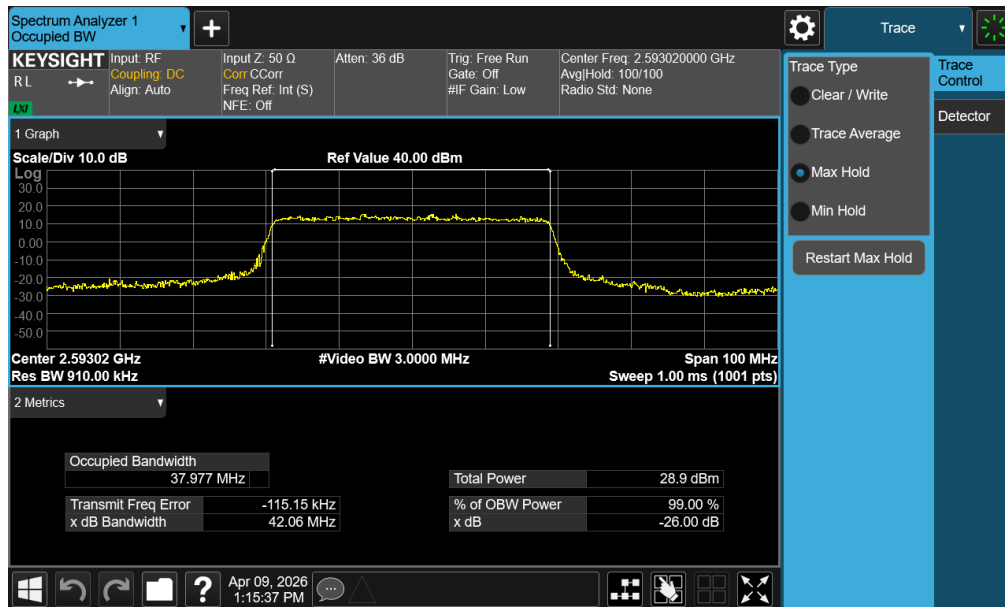
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Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 47 of 136



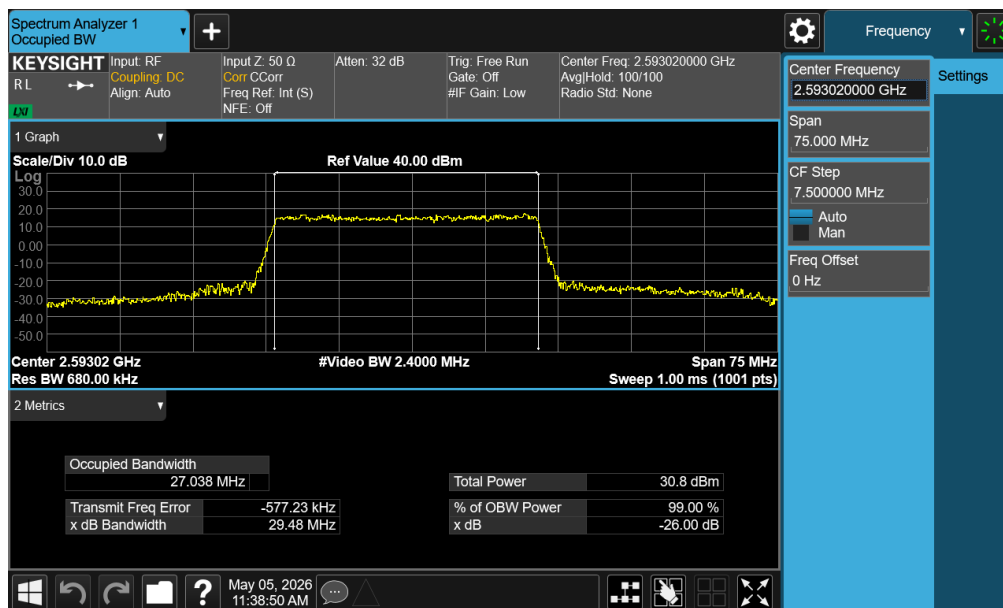
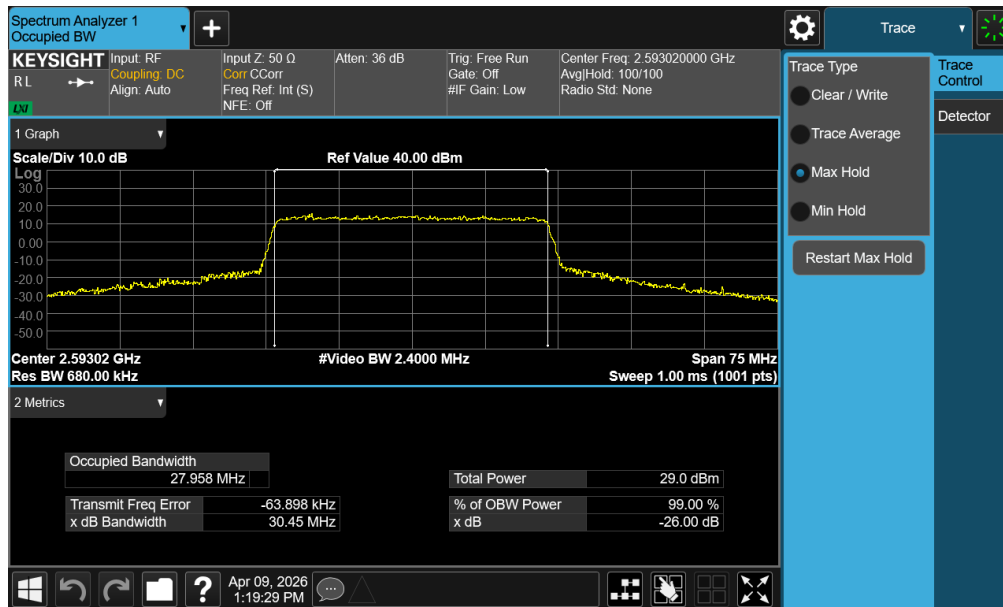
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 48 of 136



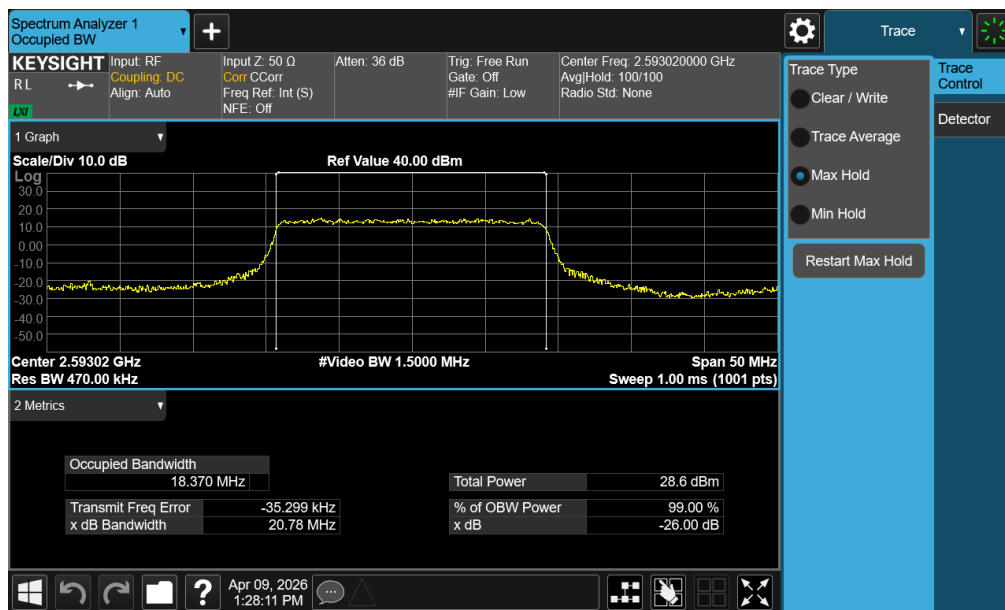
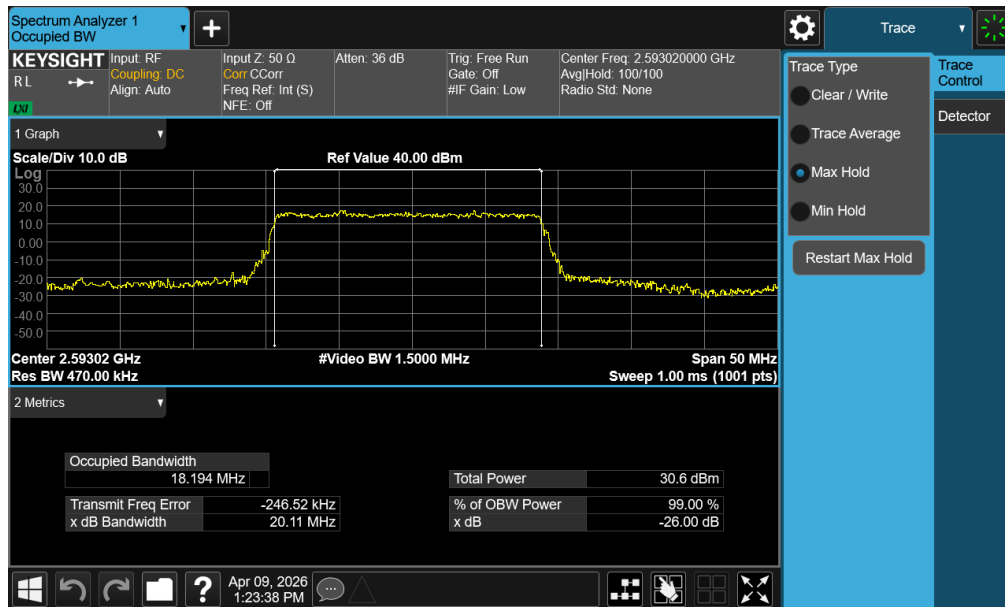
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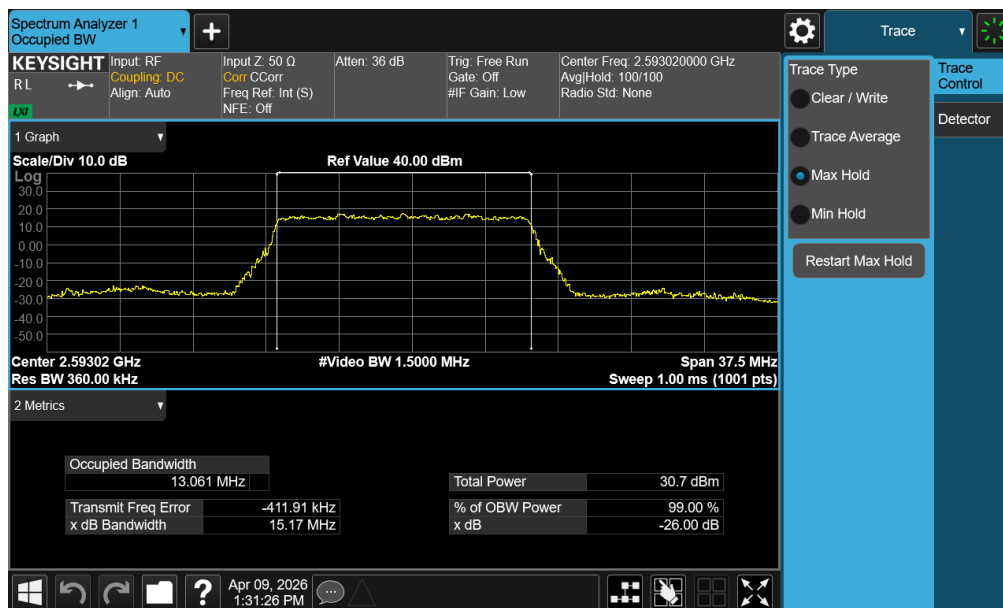
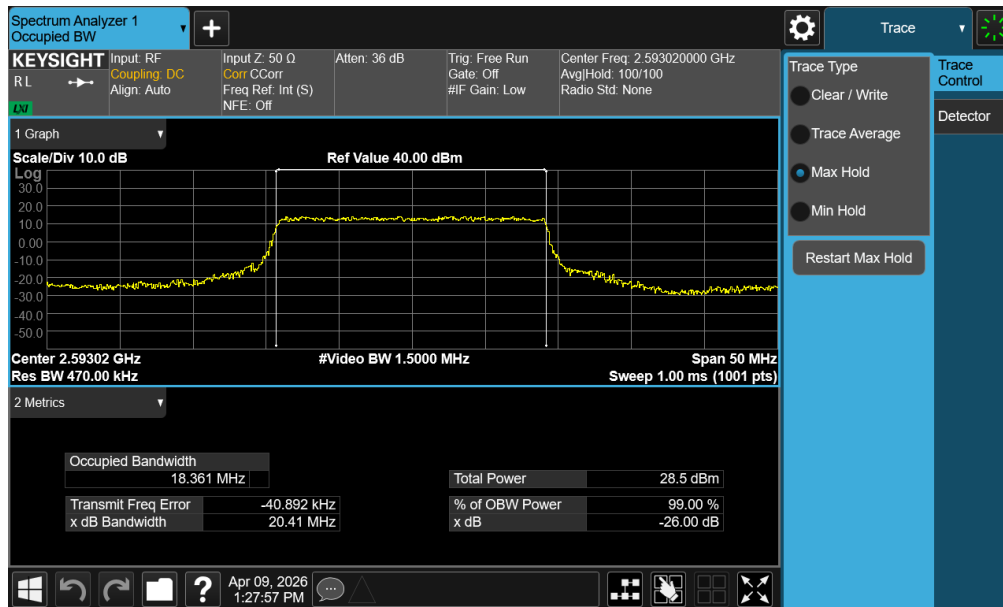
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Test Report S/N: 1M2603110020-08-R1-A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.			Page 50 of 136



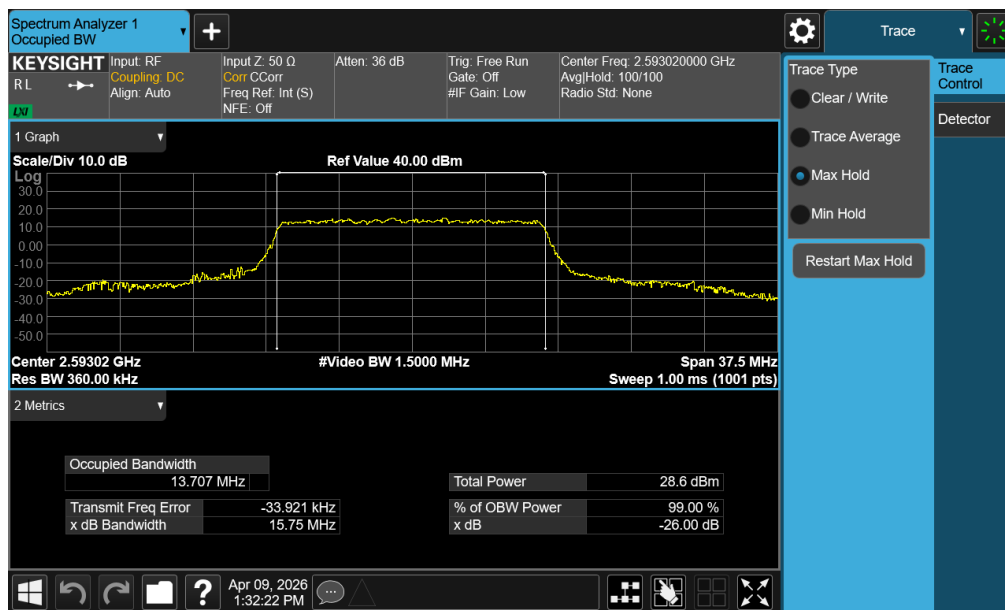
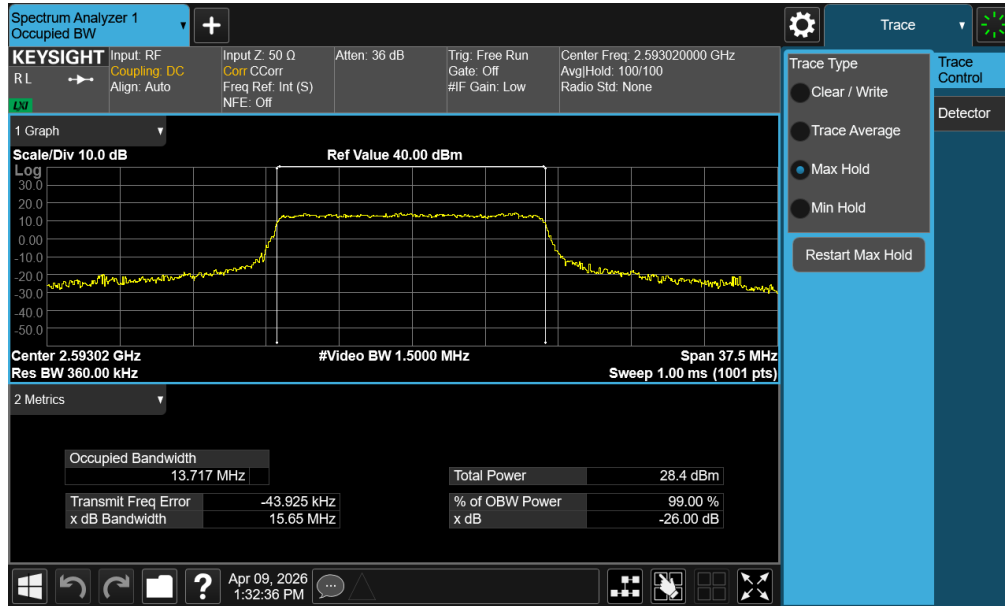
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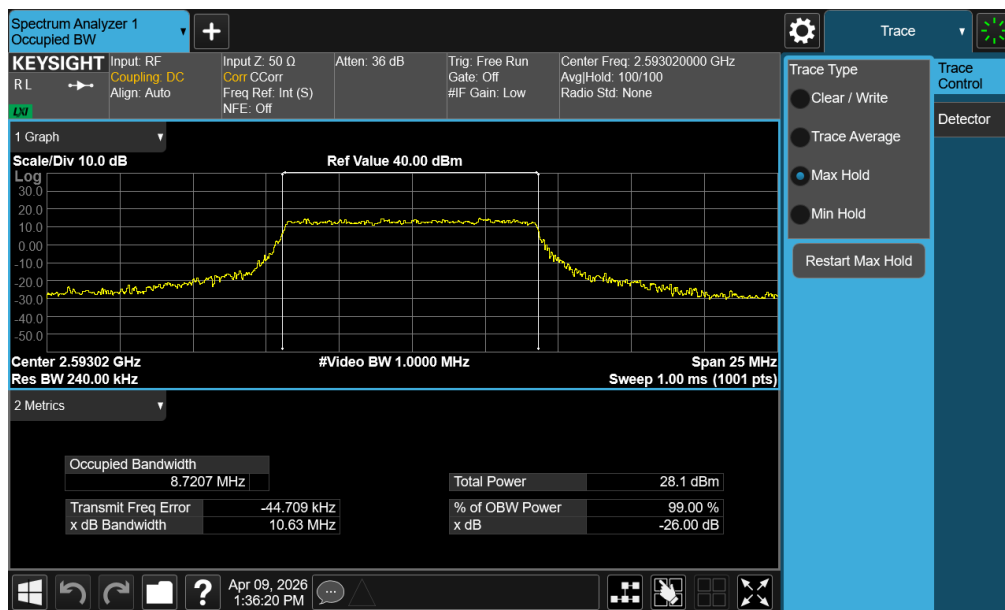
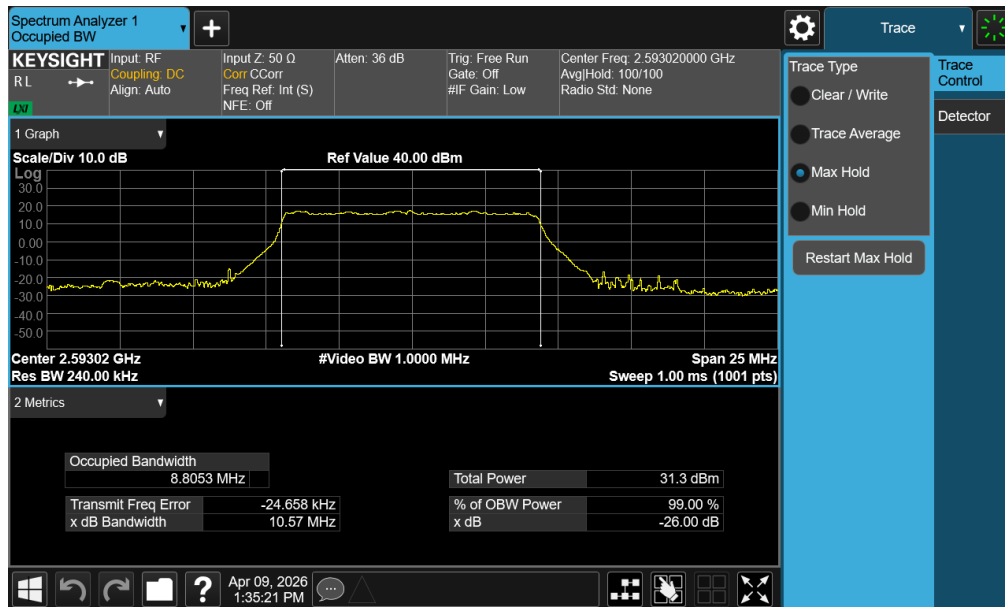
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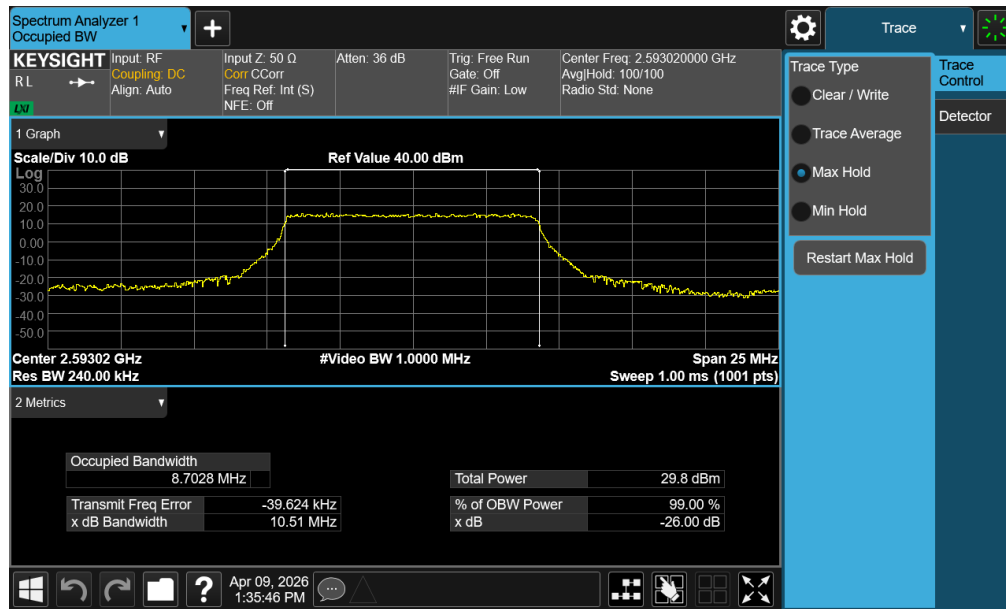
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Plot 7-49. Occupied Bandwidth Plot (NR Band n41 PC3 – 10MHz 16-QAM – Full RB – Default – Ant1)

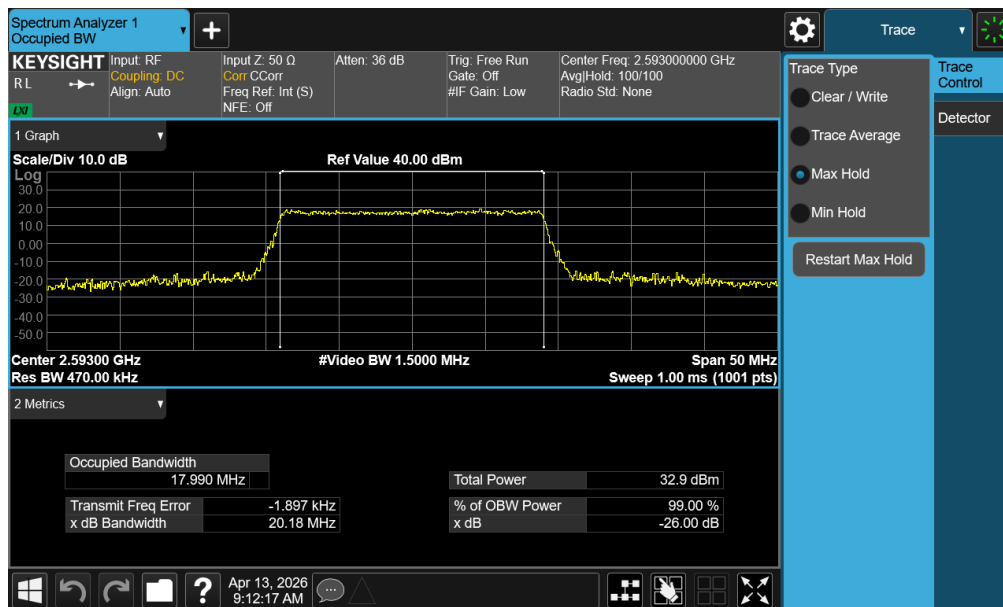
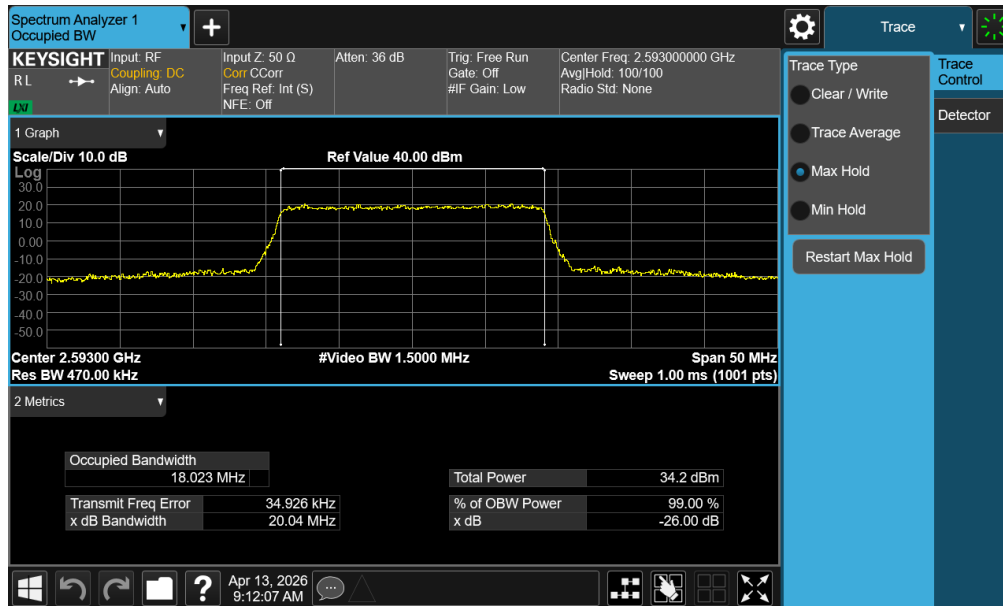
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Mode	Bandwidth	Modulation	OBW [MHz]
LTE-B41PC2	20MHz	QPSK	18.02
		16QAM	17.99
	15MHz	QPSK	13.51
		16QAM	13.56
	10MHz	QPSK	9.02
		16QAM	9.03
	5MHz	QPSK	4.55
		16QAM	4.54
LTE-B41PC3	20MHz	QPSK	18.01
		16QAM	18.04
	15MHz	QPSK	13.54
		16QAM	13.53
	10MHz	QPSK	9.06
		16QAM	9.04
	5MHz	QPSK	4.55
		16QAM	4.54

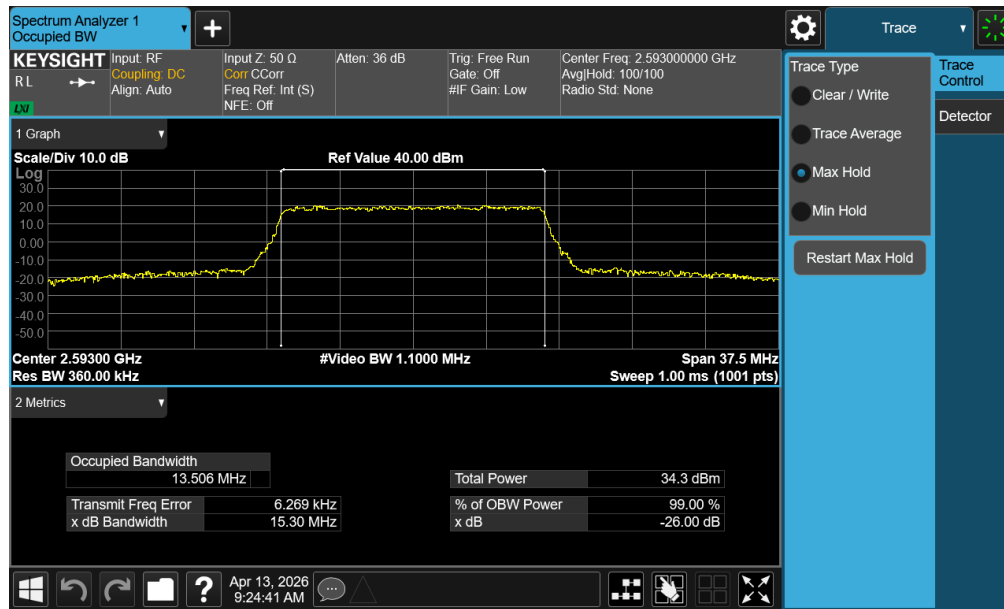
Table 7-17. Occupied Bandwidth Test Results – Ant 2

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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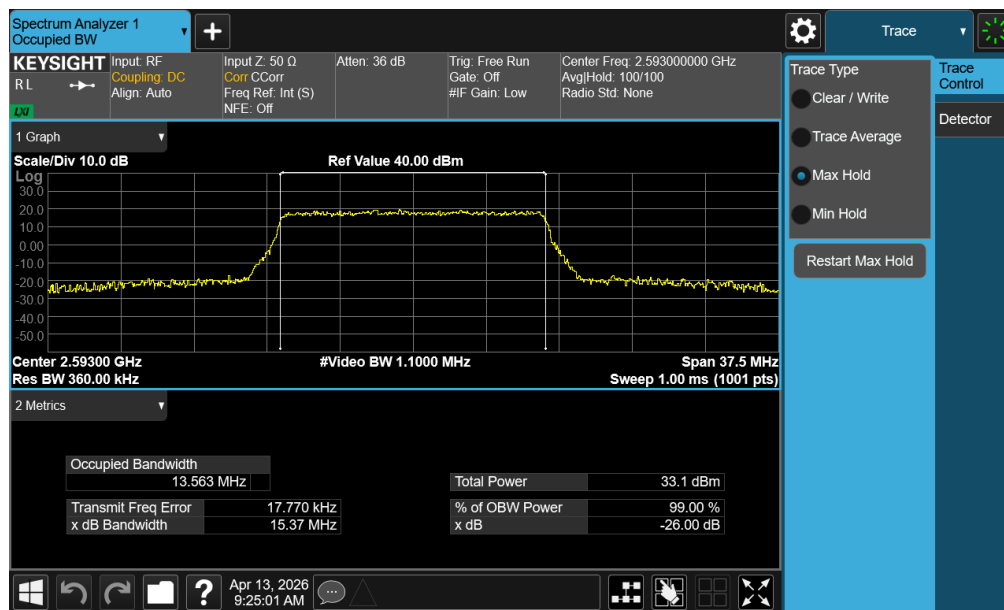
LTE Band 41(PC2) – Ant2



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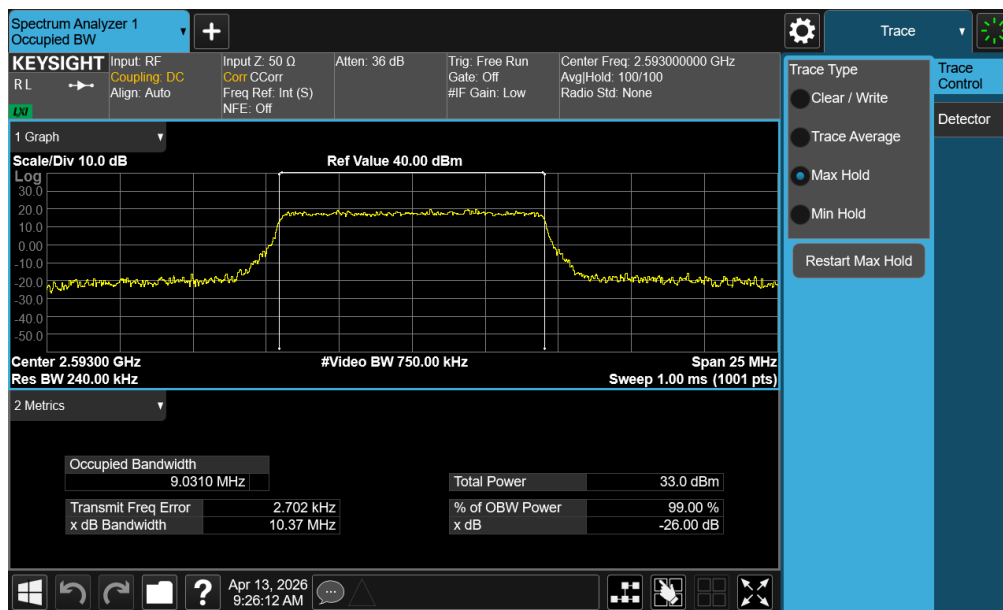
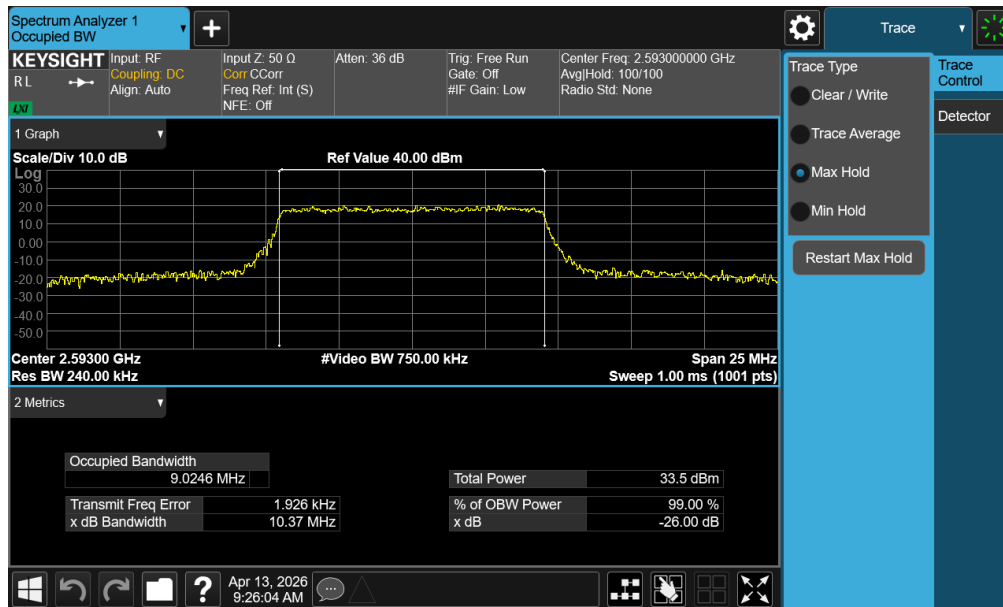


Plot 7-52. Occupied Bandwidth Plot (LTE Band 41(PC2- 15MHz QPSK - Full RB – Ant2)

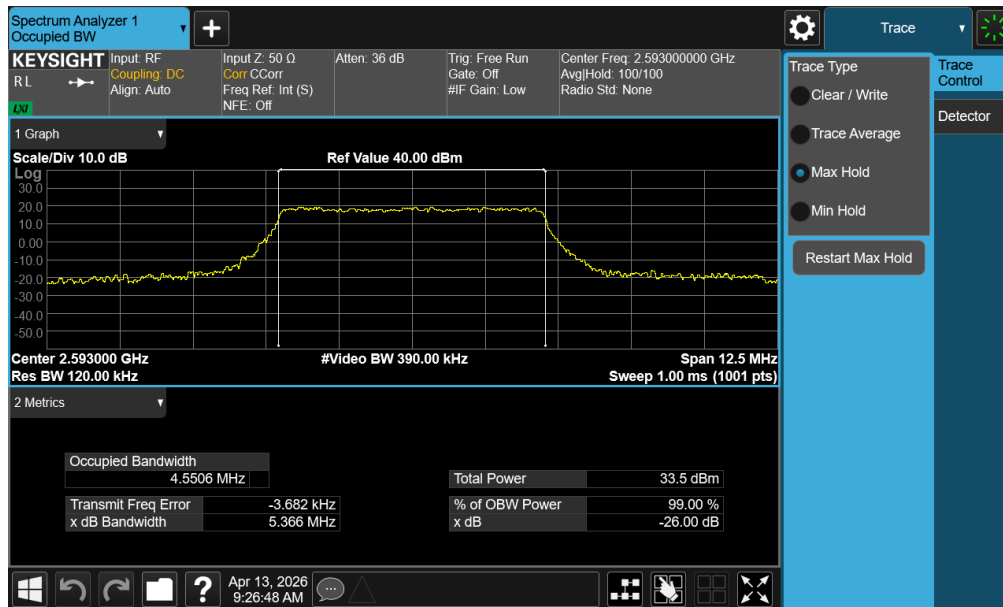


Plot 7-53. Occupied Bandwidth Plot (LTE Band 41(PC2) - 15MHz 16-QAM - Full RB – Ant2)

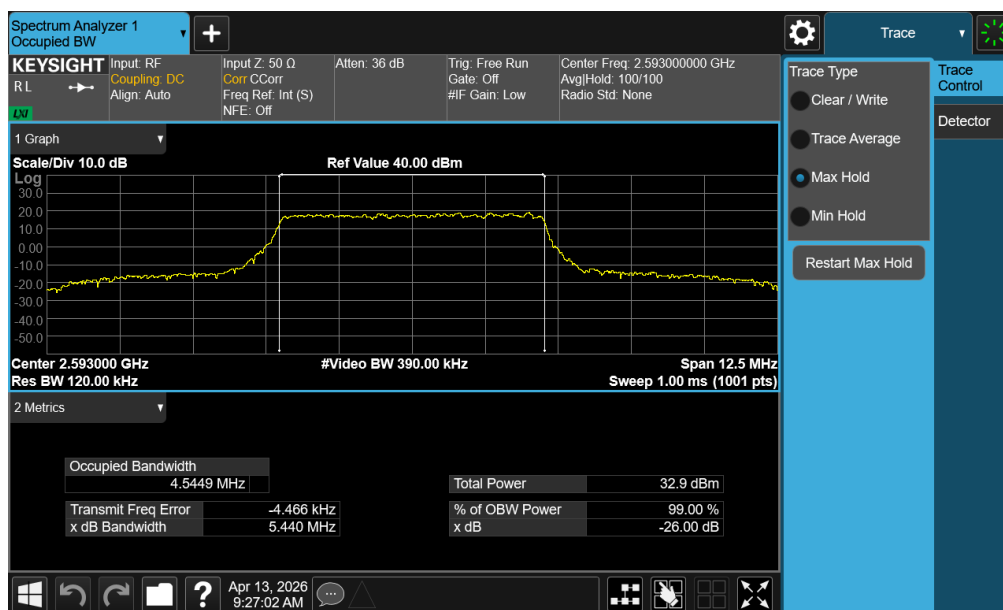
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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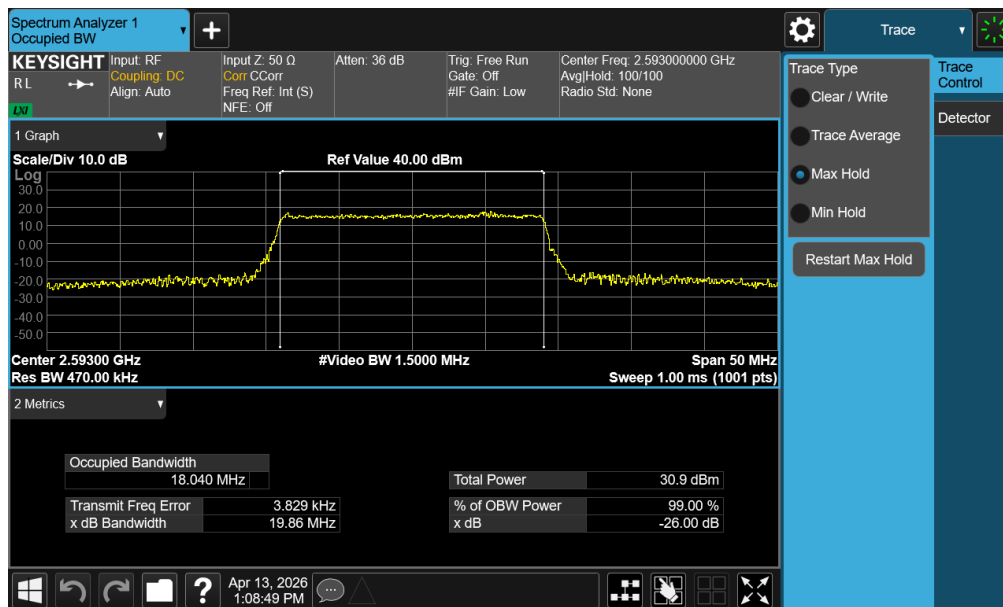
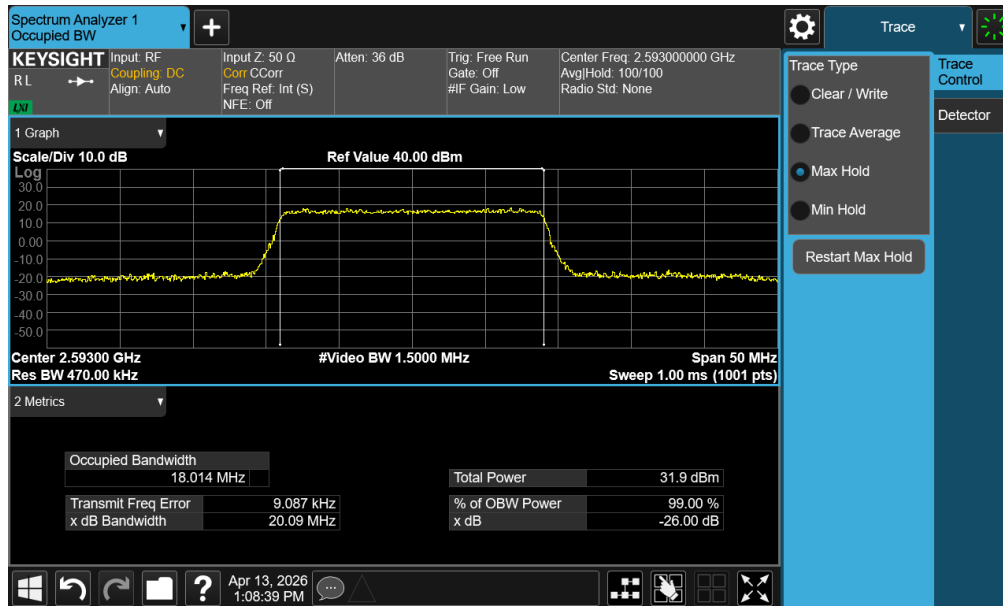
Plot 7-56. Occupied Bandwidth Plot (LTE Band 41(PC2) - 5MHz QPSK - Full RB – Ant2)



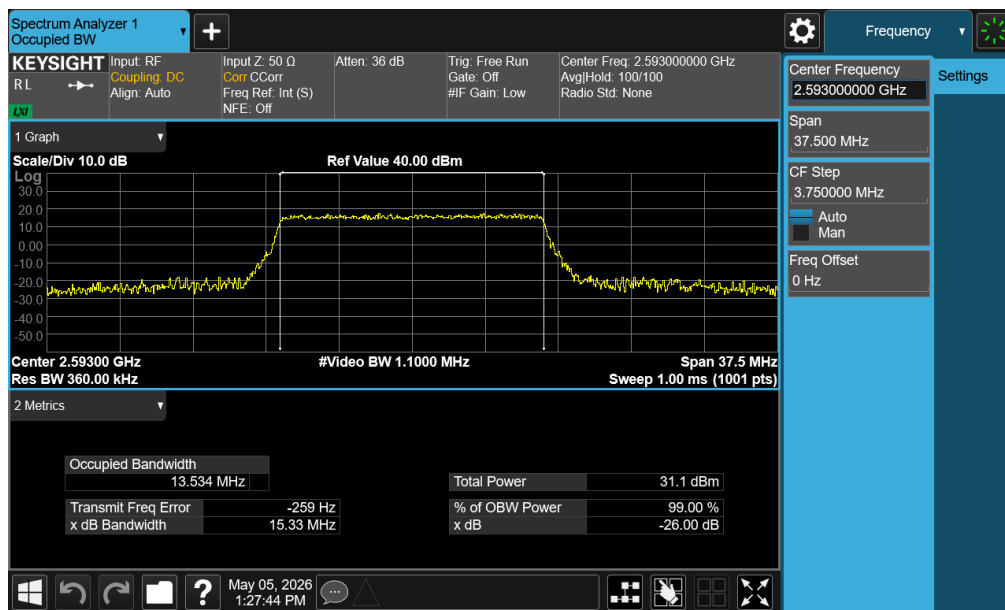
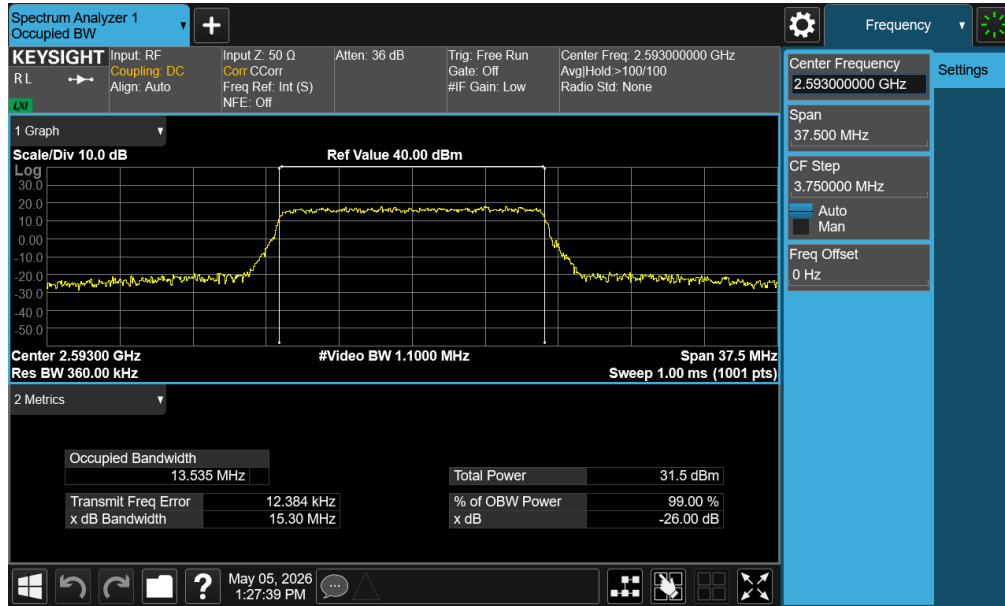
Plot 7-57. Occupied Bandwidth Plot (LTE Band 41(PC2) - 5MHz 16-QAM - Full RB – Ant2)

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LTE Band 41(PC3) – Ant2



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