

PART 22 | RSS-132
MEASUREMENT REPORT

Applicant Name:

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

Date of Testing:

3/16/2026 – 4/13/2026

Test Report Issue Date:

5/12/2026

Test Site/Location:

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

Test Report Serial No.:

1M2602190015-02-R4.A3L

FCC ID:

A3LSMF776U

IC:

649E-SMF776W

APPLICANT:

Samsung Electronics Co., Ltd.

Application Type:

Certification

Model:

SM-F776U

HVIN:

SM-F776W

Additional Model(s):

SM-F776U1

EUT Type:

Portable Handset

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

FCC Rule Part:

22

ISED Specification

RSS-132 Issue 4

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: 1M2602190015-02-R4.A3L) supersedes and replaces the previously issued test report (S/N: 1M2602190015-02-R3.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.



Prepared by



Reviewed by

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TEST REPORT REVISION HISTORY

Rev. No.	Description	Issue Date	Revised By
-	Initial Release	4/16/2026	WKR0000005716
1	Addressed comments made by TCB reviewer	4/30/2026	WKR0000005716
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3	Addressed comments made by TCB reviewer	5/7/2026	WKR0000005716
4	Addressed comments made by TCB reviewer	5/12/2026	WKR0000005716

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Antenna-1						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	ERP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
GSM/GPRS	N/A	GMSK	824.2 - 848.8	0.464	26.67	245KGXW
EDGE	N/A	8-PSK	824.2 - 848.8	0.092	19.62	248KG7W
WCDMA	N/A	Spread Spectrum	826.4 - 846.6	0.076	18.83	4M17F9W
LTE Band 26/5	15 MHz (LTE B26 Only)	QPSK	831.5 - 841.5	0.076	18.80	13M5G7D
		16QAM	831.5 - 841.5	0.061	17.83	13M6W7D
	10 MHz	QPSK	829.0 - 844.0	0.076	18.82	9M05G7D
		16QAM	829.0 - 844.0	0.061	17.85	9M04W7D
	5 MHz	QPSK	826.5 - 846.5	0.079	18.99	4M54G7D
		16QAM	826.5 - 846.5	0.059	17.68	4M55W7D
	3 MHz	QPSK	825.5 - 847.5	0.078	18.91	2M72G7D
		16QAM	825.5 - 847.5	0.060	17.79	2M72W7D
	1.4 MHz	QPSK	824.7 - 848.3	0.077	18.88	1M12G7D
		16QAM	824.7 - 848.3	0.061	17.83	1M12W7D
NR Band n26/5	20 MHz	$\pi/2$ BPSK	834.0 - 839.0	0.066	18.20	18M0G7D
		QPSK	834.0 - 839.0	0.067	18.26	18M0G7D
		16QAM	834.0 - 839.0	0.041	16.15	18M0W7D
	15 MHz	$\pi/2$ BPSK	831.5 - 841.5	0.067	18.24	13M5G7D
		QPSK	831.5 - 841.5	0.066	18.20	13M5G7D
		16QAM	831.5 - 841.5	0.041	16.16	13M5W7D
	10 MHz	$\pi/2$ BPSK	829.0 - 844.0	0.067	18.26	9M04G7D
		QPSK	829.0 - 844.0	0.065	18.11	9M02G7D
		16QAM	829.0 - 844.0	0.043	16.32	9M01W7D
	5 MHz	$\pi/2$ BPSK	826.5 - 846.5	0.069	18.39	4M54G7D
		QPSK	826.5 - 846.5	0.068	18.30	4M56G7D
		16QAM	826.5 - 846.5	0.043	16.33	4M55W7D

Antenna-2						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	ERP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
GSM/GPRS	N/A	GMSK	824.2 - 848.8	0.137	21.38	244KGXW
EDGE	N/A	8-PSK	824.2 - 848.8	0.024	13.82	245KG7W
WCDMA	N/A	Spread Spectrum	826.4 - 846.6	0.033	15.23	4M17F9W
LTE Band 26/5	15 MHz (LTE B26 Only)	QPSK	831.5 - 841.5	0.031	14.93	13M5G7D
		16QAM	831.5 - 841.5	0.026	14.20	13M5W7D
	10 MHz	QPSK	829.0 - 844.0	0.031	14.86	9M01G7D
		16QAM	829.0 - 844.0	0.025	14.06	9M03W7D
	5 MHz	QPSK	826.5 - 846.5	0.030	14.79	4M54G7D
		16QAM	826.5 - 846.5	0.025	14.03	4M54W7D
	3 MHz	QPSK	825.5 - 847.5	0.029	14.70	2M72G7D
		16QAM	825.5 - 847.5	0.025	13.99	2M73W7D
	1.4 MHz	QPSK	824.7 - 848.3	0.028	14.52	1M11G7D
		16QAM	824.7 - 848.3	0.024	13.78	1M11W7D
NR Band n26/5	20 MHz	$\pi/2$ BPSK	834.0 - 839.0	0.032	15.06	18M0G7D
		QPSK	834.0 - 839.0	0.032	15.07	18M0G7D
		16QAM	834.0 - 839.0	0.020	13.06	18M0W7D
	15 MHz	$\pi/2$ BPSK	831.5 - 841.5	0.033	15.20	13M5G7D
		QPSK	831.5 - 841.5	0.033	15.19	13M5G7D
		16QAM	831.5 - 841.5	0.021	13.29	13M5W7D
	10 MHz	$\pi/2$ BPSK	829.0 - 844.0	0.033	15.14	9M01G7D
		QPSK	829.0 - 844.0	0.033	15.16	9M01G7D
		16QAM	829.0 - 844.0	0.021	13.23	9M01W7D
	5 MHz	$\pi/2$ BPSK	826.5 - 846.5	0.033	15.24	4M54G7D
		QPSK	826.5 - 846.5	0.032	15.04	4M54G7D
		16QAM	826.5 - 846.5	0.021	13.20	4M54W7D

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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 Materials Technology Suwon, Ltd. located in Yongin-si, Gyeonggi-do, 16954, South Korea.

- Element Materials Technology Suwon, Ltd. is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation(A2LA) with Certificate number 2041.04 for Specific Absorption Rate (SAR), and Electromagnetic Compatibility (EMC) & Telecommunications testing for FCC and Innovation, Science, and Economic Development Canada rules.

Element Materials Technology Suwon, Ltd. facility is accredited, designated, and recognized in accordance with the provision of Radio Wave Act and International Standard ISO/IEC 17025:2017 under the National Radio Research Agency.

- Designation Number / CABID: KR0169
- Test Firm Registration Number of FCC: 417945
- Test Firm Registration Number of ISED: 26168

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Samsung Portable Handset FCC ID: A3LSMF776U** and **IC: 649E-SMF776W**. The test data contained in this report pertains only to the emissions due to the EUT's licensed transmitters that operate under the provisions of Part 22 and RSS-132.

Test Device Serial No.: 0320M, 1147M, 0162M, 1161M

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), Wireless Power Transfer, NTN, SCS, NFC

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-N2400 while operating under normal conditions in a simulated call or data transmission configuration. The worst case radiated emissions data is shown in this report.

Band	Ant1	Ant2
GSM 850	Ant A	Ant E
WCDMA 850	Ant A	Ant E
LTE 26/5	Ant A	Ant E
NR 26/5	Ant A	Ant E

Table 2-1. Antenna Naming Convention

2.4 Software and Firmware

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

2.5 EMI Suppression Device(s)/Modifications

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

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3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

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

Deviation from Measurement Procedure.....None

3.2 Radiated Power and Radiated Spurious Emissions

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

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

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

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

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

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

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

And

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

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	1.95
Radiated Disturbance (<1GHz)	4.10
Radiated Disturbance (>1GHz)	4.82
Radiated Disturbance (>18GHz)	4.96

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
Agilent	N9030A	PXA Signal Analyzer	05/23/2025	Annual	05/22/2026	MY49432391
Anritsu	S820E	Cable and Antenna Analyzer	06/13/2025	Annual	06/12/2026	1839097
Rohde & Schwarz	NRP-Z81	Power Sensor	05/23/2025	Annual	05/22/2026	101499
Anritsu	MT8000A	Radio Communication Test Station	11/10/2025	Annual	11/09/2026	6272337405
Com-Power	AL-130R	Active Loop Antenna	10/10/2024	Biennial	10/09/2026	10160045
Espec	SH-242	Environmental Chamber	09/17/2025	Annual	09/16/2026	93011064
Keysight Technologies	N9030B	PXA Signal Analyzer (44GHz)	07/07/2025	Annual	07/06/2026	MY57143276
NARDA	180-442A-KF	Horn Antenna (Small)	01/14/2026	Annual	01/13/2027	T058701-03
Rohde & Schwarz	CMW500	Radio Communication Tester	10/24/2025	Annual	10/23/2026	171075
Rohde & Schwarz	SMF100A	signal Generator	07/03/2025	Annual	07/02/2026	104154
Rohde & Schwarz	FSW	Signal / Spectrum Analyzer	09/15/2025	Annual	09/14/2026	101955
schwarzbeck	VULB9162	Broadband TRILOG Antenna	06/05/2025	Biennial	06/04/2027	9162-217
Sunol Sciences	DRH-118	Horn Antenna	06/04/2025	Annual	06/03/2026	A102416-1
-	UEK1	EMC Cable and Switch System	01/28/2026	Annual	01/27/2027	UEK1
-	KLTx1	Licensed Transmitter Cable Set	07/17/2025	Annual	07/16/2026	KLTx1
-	KLTx2	Licensed Transmitter Cable Set	07/17/2025	Annual	07/16/2026	KLTx2

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.

Component	Serial Number
Rohde & Schwarz SF Unit	102151
ALPHA WIRE H1	6340
HUBER+SUHNER, Inc. SUCOFLEX_104_PE Cable	305916
HUBER+SUHNER, Inc. SUCOFLEX_100	803242-6

Table 5-2. UEK1 EMC Cable and Switch System Components

Component	Serial Number
2.92mm Directional Coupler, Model: FM2CP1122-10	1946
10 dB Attenuator, Model: MA-18G10-5W-NMF	ESR10-1
Cable	CL-RF-40G-01

Table 5-3. KLTx1 Licensed Transmitter Cable Set Components

Component	Serial Number
Directional Coupler, Model: UDC	TEMPNO.09-898
10 dB Attenuator, Model: MA-18G10-5W-NMF	ESR10-2
Cable	CL-RF-40G-02

Table 5-4. KLTx1 Licensed Transmitter Cable Set Components

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6.0 SAMPLE EMISSION DESIGNATORS

GSM Emission Designator

Emission Designator = 250KGXW

GSM BW = 250 kHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

EDGE Emission Designator

Emission Designator = 250KG7W

EDGE BW = 250 kHz

G = Phase Modulation

7 = Quantized/Digital Info

W = Combination (Audio/Data)

WCDMA Emission Designator

Emission Designator = 4M16F9W

WCDMA BW = 4.16 MHz

F = Frequency Modulation

9 = Composite Digital Info

W = Combination (Audio/Data)

QPSK Modulation

Emission Designator = 8M62G7D

LTE BW = 8.62 MHz

G = Phase Modulation

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

QAM Modulation

Emission Designator = 8M45W7D

LTE BW = 8.45 MHz

W = Amplitude/Angle Modulated

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

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7.0 TEST RESULTS

7.1 Summary

Company Name: Samsung Electronics Co., Ltd.
 FCC ID: A3LSMF776U
 IC: 649E-SMF776W
 FCC Classification: PCS Licensed Transmitter Held to Ear (PCE)
 Mode(s): GSM/WCDMA/LTE/NR

Test Condition	Test Description	FCC Part Section(s)	RSS Section(s)	Test Limit	Test Result	Reference
CONDUCTED	Transmitter Conducted Output Power	2.1046(a), 2.1046(c)	RSS-Gen(6.12)	N/A	PASS	Section 7.2
	Occupied Bandwidth	2.1049(h)	RSS-Gen(6.7)	N/A	PASS	Section 7.3
	Conducted Band Edge / Spurious Emissions	2.1051, 22.917(a)	RSS-Gen(6.13), RSS-132(5.5)	$\geq 43 + 10 \log (P[\text{Watts}])$ dB of attenuation below transmitter power	PASS	Sections 7.4, 7.5
	Peak-to-Average Ratio	N/A	RSS-132(5.4)	≤ 13 dB	PASS	Section 7.6
	Frequency Stability	2.1055, 22.355	RSS-Gen(6.11), RSS-132(5.3)	The carrier frequency of the transmitter must be maintained within the 2.5ppm	PASS	Section 7.9
RADIATED	Effective Radiated Power / Equivalent Isotropic Radiated Power	22.913(a)(5)	RSS-Gen(6.12), RSS-132(5.4)	< 7 Watts max. ERP for FCC < 3 Watts max. ERP for ISED	PASS	Section 7.7
	Radiated Spurious Emissions	2.1053, 22.917(a)	RSS-Gen(7.3), RSS-132(5.5)	$> 43 + 10 \log_{10} (P[\text{Watts}])$ for all out-of-band emissions	PASS	Section 7.8

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 978222, and couplers.
- 4) All conducted emissions measurements are performed with automated test software to capture the corresponding plots necessary to show compliance. The measurement software utilized is EMC Software Tool v2.4.

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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 Settings

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

Test Setup

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



Figure 7-1. Test Instrument & Measurement Setup

Test Notes

1. Conducted power measurements were evaluated 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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Mode	Channel	Frequency [MHz]	Conducted Power [dBm]
WCDMA850	4132	826.4	24.81
	4183	836.6	24.93
	4233	846.6	24.89

Table 7-2. Max Conducted Power Test Results – WCDMA 850 – Ant1

Mode	Channel	Frequency [MHz]	Conducted Power [dBm]
WCDMA850	4132	826.4	25.24
	4183	836.6	25.19
	4233	846.6	25.16

Table 7-3. Max Conducted Power Test Results – WCDMA 850 – Ant2

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
15 MHz (LTE B26 Only)	QPSK	26865	831.5	1 / 37	23.61
		26915	836.5	1 / 37	23.77
		26965	841.5	1 / 0	23.74
	16QAM	26965	841.5	1 / 0	23.04
10 MHz	QPSK	26840	829.0	1 / 0	23.68
		26915	836.5	1 / 49	23.74
		26990	844.0	1 / 0	23.60
	16QAM	26840	829.0	1 / 0	22.95
5 MHz	QPSK	26815	826.5	1 / 12	23.85
		26915	836.5	1 / 12	23.86
		27015	846.5	1 / 12	23.75
	16QAM	26915	836.5	1 / 12	22.93
3 MHz	QPSK	26805	825.5	1 / 7	23.77
		26915	836.5	1 / 7	23.85
		27025	847.5	1 / 7	23.72
	16QAM	26915	836.5	1 / 7	22.95
1.4 MHz	QPSK	26797	824.7	1 / 5	23.74
		26915	836.5	1 / 0	23.80
		27033	848.3	1 / 5	23.73
	16QAM	26915	836.5	1 / 0	22.94

Table 7-4. Max Conducted Power Test Results – LTE B26/5 – Ant1

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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
15 MHz (LTE B26 Only)	QPSK	26865	831.5	1 / 74	24.63
		26915	836.5	1 / 74	24.74
		26965	841.5	1 / 74	24.81
	16QAM	26965	841.5	1 / 74	23.95
10 MHz	QPSK	26840	829.0	1 / 49	24.56
		26915	836.5	1 / 25	24.53
		26990	844.0	1 / 25	24.71
	16QAM	26990	844.0	1 / 25	23.88
5 MHz	QPSK	26815	826.5	1 / 12	24.49
		26915	836.5	1 / 24	24.74
		27015	846.5	1 / 24	24.82
	16QAM	27015	846.5	1 / 24	24.02
3 MHz	QPSK	26805	825.5	1 / 7	24.36
		26915	836.5	1 / 14	24.61
		27025	847.5	1 / 0	24.74
	16QAM	27025	847.5	1 / 0	23.91
1.4 MHz	QPSK	26797	824.7	1 / 5	24.22
		26915	836.5	1 / 5	24.51
		27033	848.3	1 / 5	24.44
	16QAM	26915	836.5	1 / 5	23.78

Table 7-5. Max Conducted Power Test Results – LTE B26/5 – Ant2

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	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	$\pi/2$ BPSK	166800	834.0	1 / 53	23.72
		167300	836.5	1 / 104	23.72
		167800	839.0	1 / 104	23.86
	QPSK	166800	834.0	1 / 53	23.64
		167300	836.5	1 / 104	23.63
		167800	839.0	1 / 104	23.64
	16-QAM	167800	839.0	1 / 104	22.72
15 MHz	$\pi/2$ BPSK	166300	831.5	1 / 77	23.76
		167300	836.5	1 / 1	23.73
		168300	841.5	1 / 77	23.75
	QPSK	166300	831.5	1 / 77	23.58
		167300	836.5	1 / 1	23.57
		168300	841.5	1 / 77	23.68
	16-QAM	168300	841.5	1 / 77	22.61
10 MHz	$\pi/2$ BPSK	165800	829.0	1 / 1	23.78
		167300	836.5	1 / 26	23.70
		168800	844.0	1 / 26	23.66
	QPSK	165800	829.0	1 / 1	23.49
		167300	836.5	1 / 26	23.61
		168800	844.0	1 / 26	23.58
	16-QAM	165800	829.0	1 / 1	22.70
5 MHz	$\pi/2$ BPSK	165300	826.5	1 / 23	23.91
		167300	836.5	1 / 23	23.80
		169300	846.5	1 / 1	23.61
	QPSK	165300	826.5	1 / 23	23.68
		167300	836.5	1 / 23	23.54
		169300	846.5	1 / 1	23.54
	16-QAM	165300	826.5	1 / 23	22.71

Table 7-6. Max Conducted Power Test Results – NR n26/5 – Ant1

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	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	$\pi/2$ BPSK	166800	834.0	1 / 104	24.50
		167300	836.5	1 / 104	24.57
		167800	839.0	1 / 104	24.53
	QPSK	166800	834.0	1 / 104	24.31
		167300	836.5	1 / 104	24.34
		167800	839.0	1 / 104	24.32
	16-QAM	167300	836.5	1 / 104	23.42
15 MHz	$\pi/2$ BPSK	166300	831.5	1 / 77	24.69
		167300	836.5	1 / 77	24.68
		168300	841.5	1 / 77	24.62
	QPSK	166300	831.5	1 / 77	24.45
		167300	836.5	1 / 77	24.46
		168300	841.5	1 / 77	24.51
	16-QAM	167300	836.5	1 / 77	23.61
10 MHz	$\pi/2$ BPSK	165800	829.0	1 / 50	24.63
		167300	836.5	1 / 50	24.58
		168800	844.0	1 / 50	24.56
	QPSK	165800	829.0	1 / 50	24.37
		167300	836.5	1 / 50	24.43
		168800	844.0	1 / 50	24.31
	16-QAM	167300	836.5	1 / 50	23.58
5 MHz	$\pi/2$ BPSK	165300	826.5	1 / 23	24.49
		167300	836.5	1 / 23	24.47
		169300	846.5	1 / 23	24.79
	QPSK	165300	826.5	1 / 23	24.16
		167300	836.5	1 / 23	24.23
		169300	846.5	1 / 23	24.42
	16-QAM	169300	846.5	1 / 23	23.62

Table 7-7. Max Conducted Power Test Results – NR n26/5 – Ant2

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	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 7-2. Test Instrument & Measurement Setup

Test Notes

None.

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Mode	Bandwidth	Modulation	OBW [MHz]
GSM-Cell	N/A	GSMK	0.245
GSM-Cell Edge		8-PSK	0.248
WCDMA-Cell		Spread Spectrum	4.17
LTE-B26-5	15 MHz	QPSK	13.55
		16QAM	13.56
	10 MHz	QPSK	9.05
		16QAM	9.04
	5 MHz	QPSK	4.54
		16QAM	4.55
	3 MHz	QPSK	2.72
		16QAM	2.72
	1.4 MHz	QPSK	1.12
		16QAM	1.12
NR-n26-5	20 MHz	$\pi/2$ BPSK	18.00
		QPSK	17.98
		16QAM	17.99
	15 MHz	$\pi/2$ BPSK	13.53
		QPSK	13.49
		16QAM	13.51
	10 MHz	$\pi/2$ BPSK	9.04
		QPSK	9.02
		16QAM	9.01
	5 MHz	$\pi/2$ BPSK	4.54
		QPSK	4.56
		16QAM	4.55

Table 7-8. Occupied Bandwidth Results – Ant1

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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GP RS Cell – Ant1



Plot 7-1. Occupied Bandwidth Plot (GPRS, Ch. 190 – Ant1)



Plot 7-2. Occupied Bandwidth Plot (EDGE, Ch. 190 – Ant1)

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WCDMA Cell – Ant1



Plot 7-3. Occupied Bandwidth Plot (WCDMA 850 – Ant1)

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LTE Band 26/5 – Ant1



Plot 7-4. Occupied Bandwidth Plot (LTE Band 26 - 15MHz QPSK - Full RB – Ant1)



Plot 7-5. Occupied Bandwidth Plot (LTE Band 26 - 15MHz 16-QAM - Full RB – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Plot 7-6. Occupied Bandwidth Plot (LTE Band 26/5 - 10MHz QPSK - Full RB – Ant1)



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

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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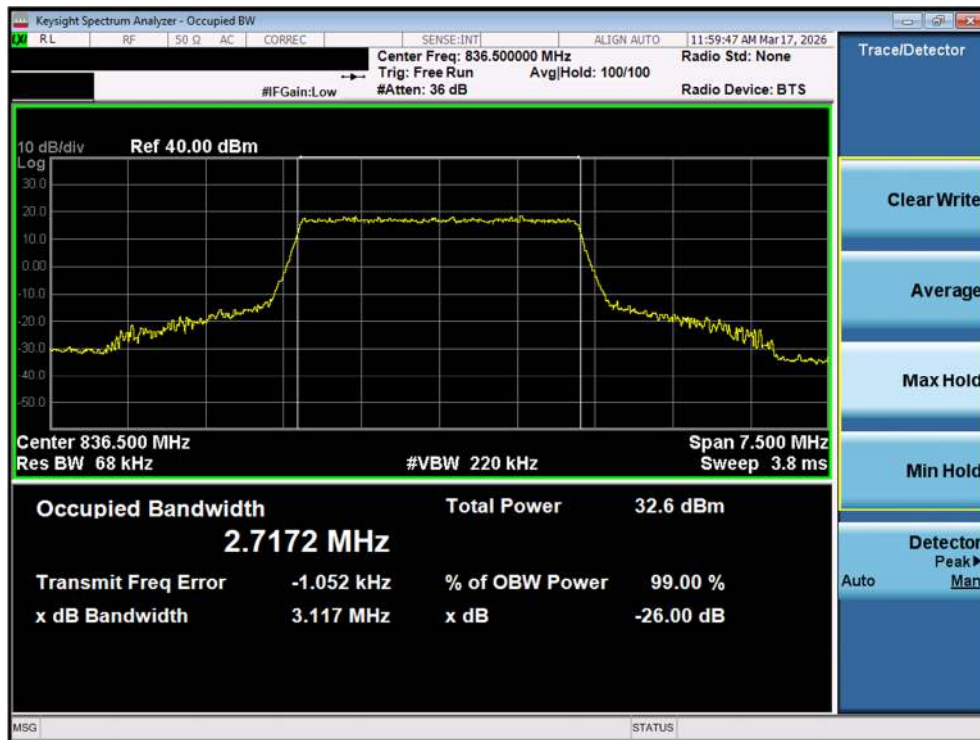


Plot 7-8. Occupied Bandwidth Plot (LTE Band 26/5 - 5MHz QPSK - Full RB – Ant1)

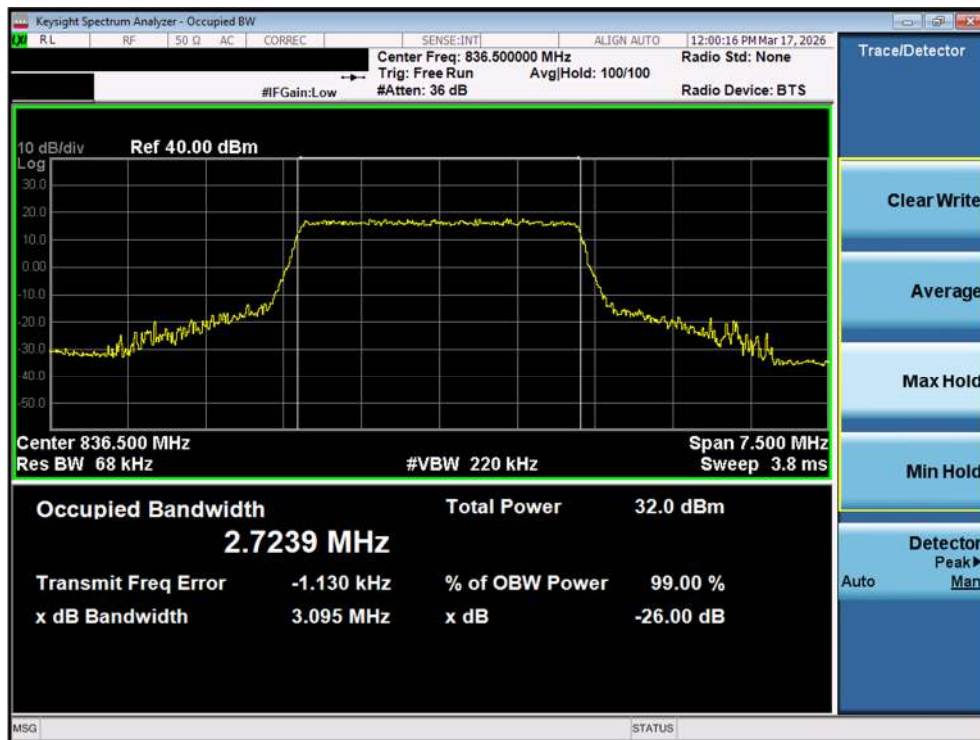


Plot 7-9. Occupied Bandwidth Plot (LTE Band 26/5 - 5MHz 16-QAM - Full RB – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Plot 7-10. Occupied Bandwidth Plot (LTE Band 26/5 - 3MHz QPSK - Full RB – Ant1)



Plot 7-11. Occupied Bandwidth Plot (LTE Band 26/5 - 3MHz 16-QAM - Full RB – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Plot 7-12. Occupied Bandwidth Plot (LTE Band 26/5 – 1.4MHz QPSK - Full RB – Ant1)



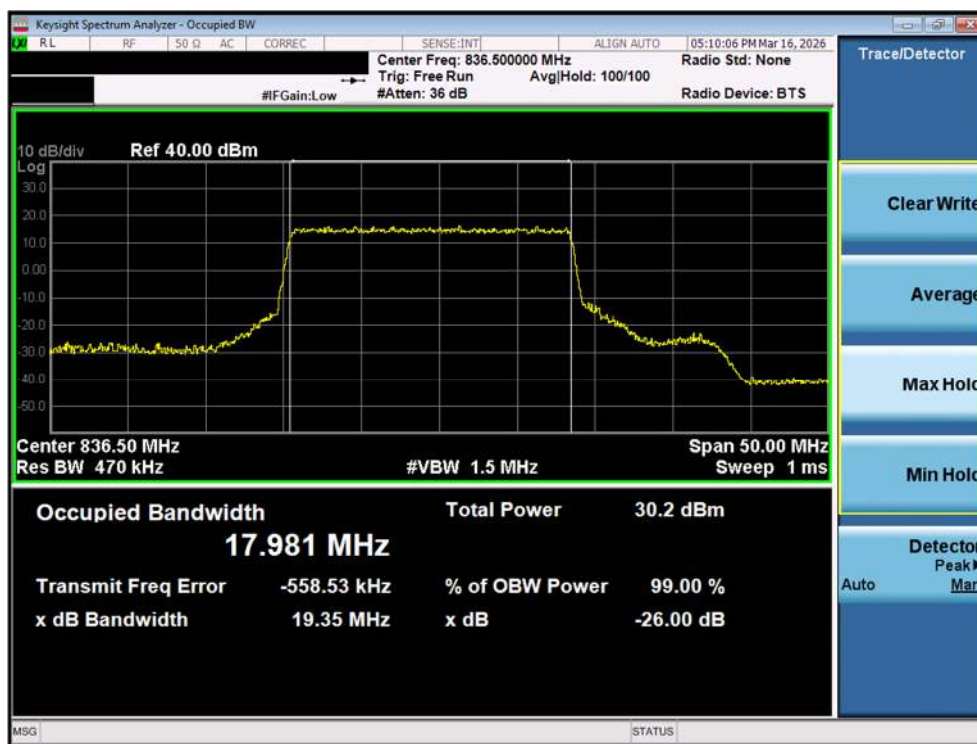
Plot 7-13. Occupied Bandwidth Plot (LTE Band 26/5 – 1.4MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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NR Band n26/5 – Ant1



Plot 7-14. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz $\pi/2$ BPSK - Full RB – Ant1)

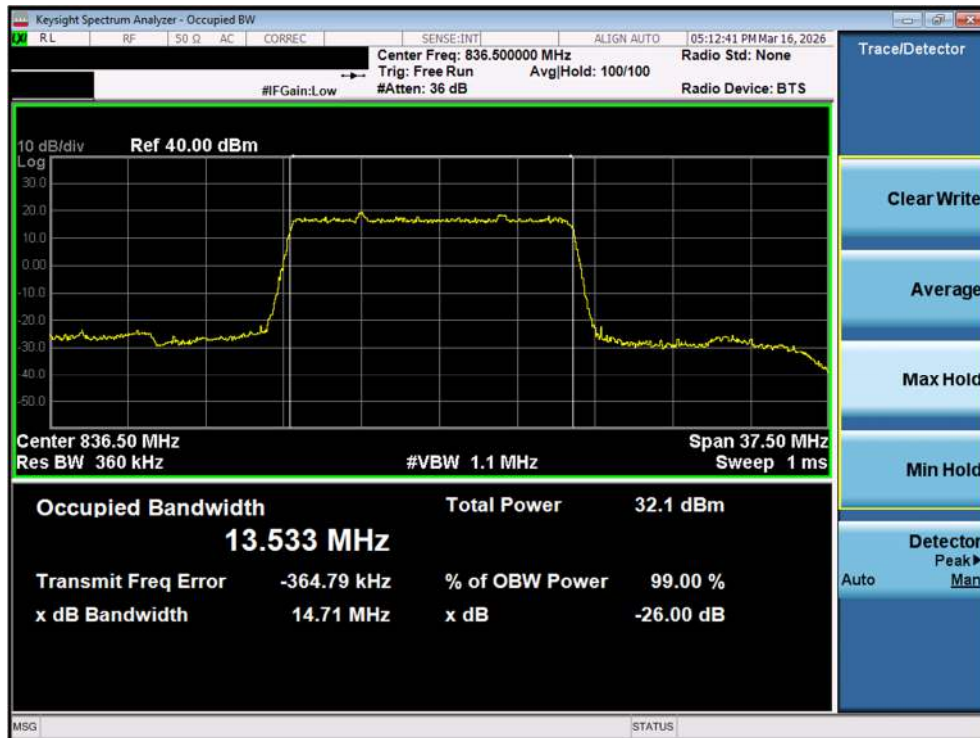


Plot 7-15. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz QPSK - Full RB – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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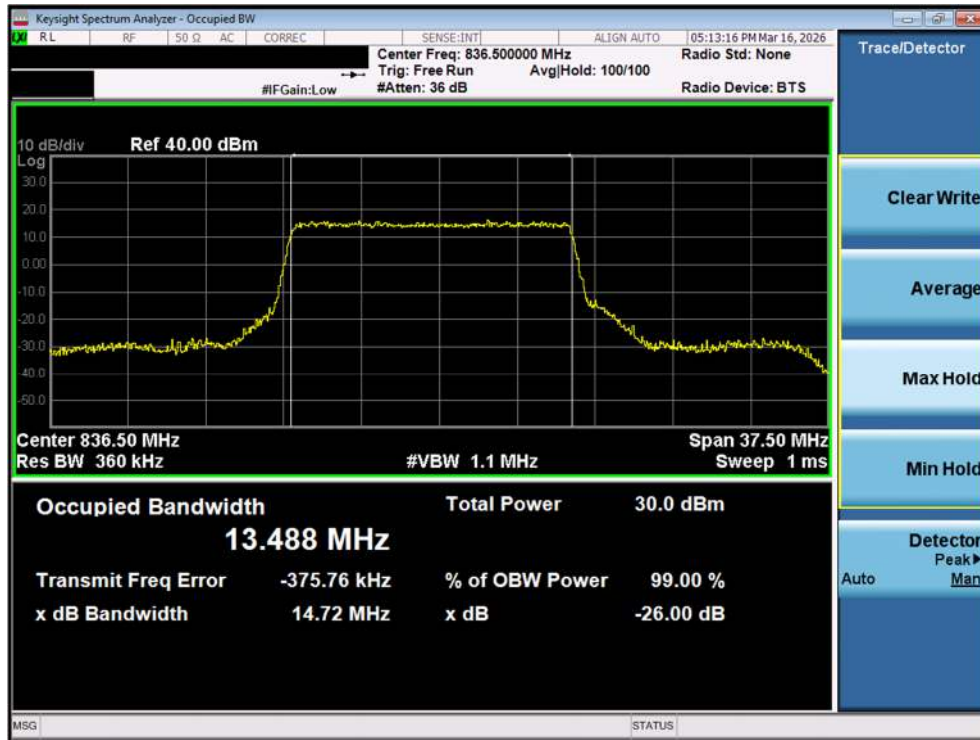


Plot 7-16. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz 16-QAM - Full RB – Ant1)

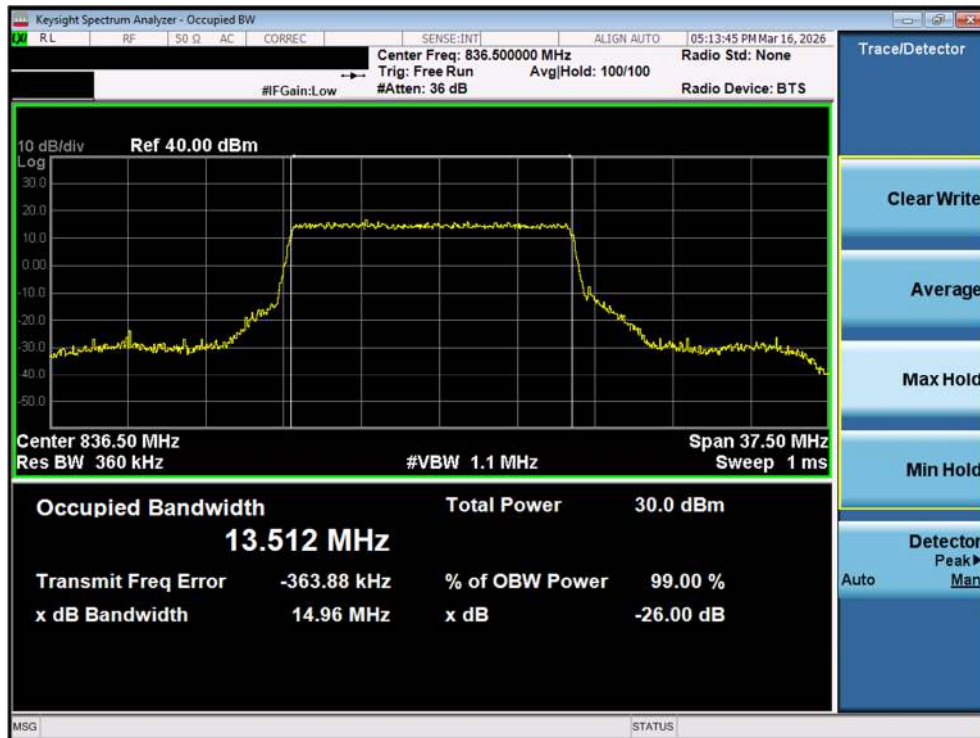


Plot 7-17. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz $\pi/2$ BPSK - Full RB – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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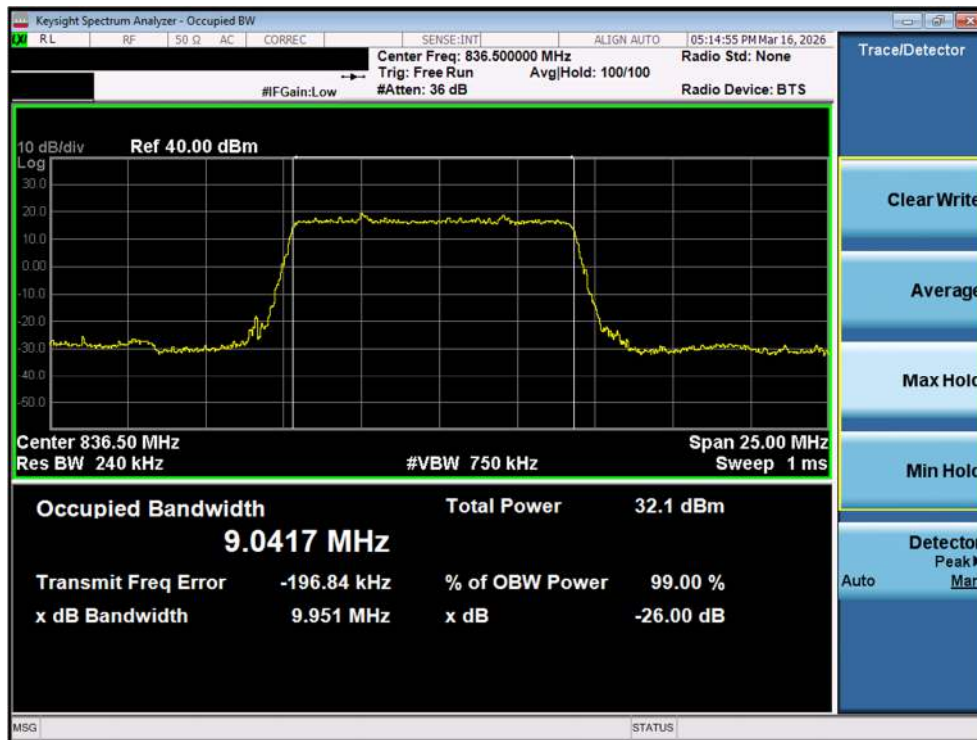


Plot 7-18. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz QPSK - Full RB – Ant1)



Plot 7-19. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz 16-QAM - Full RB – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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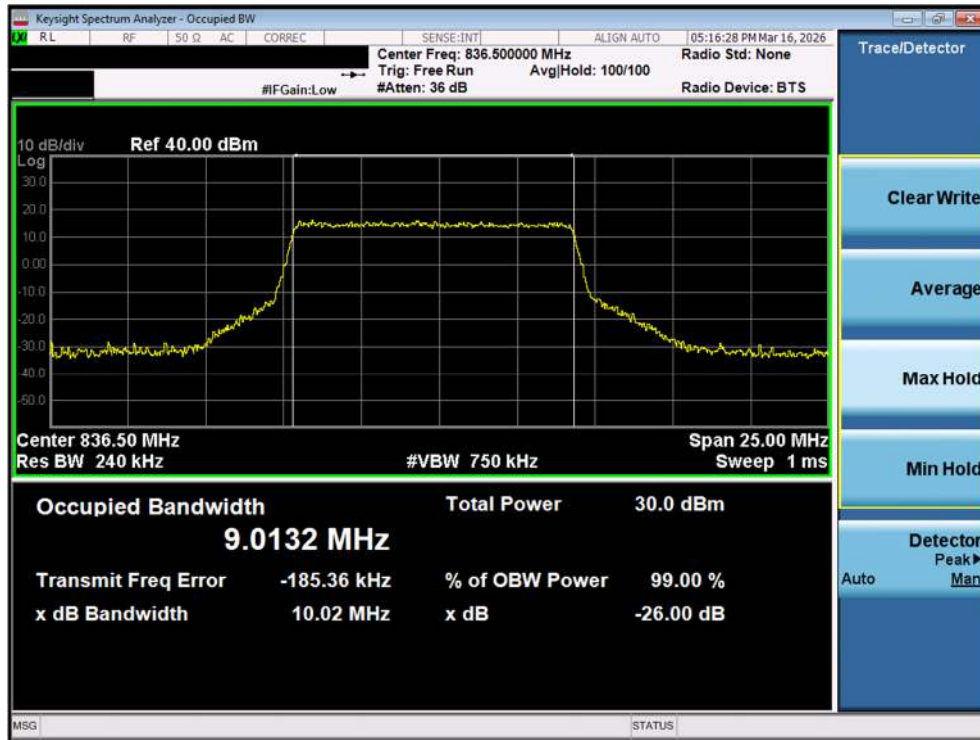


Plot 7-20. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz $\pi/2$ BPSK - Full RB – Ant1)

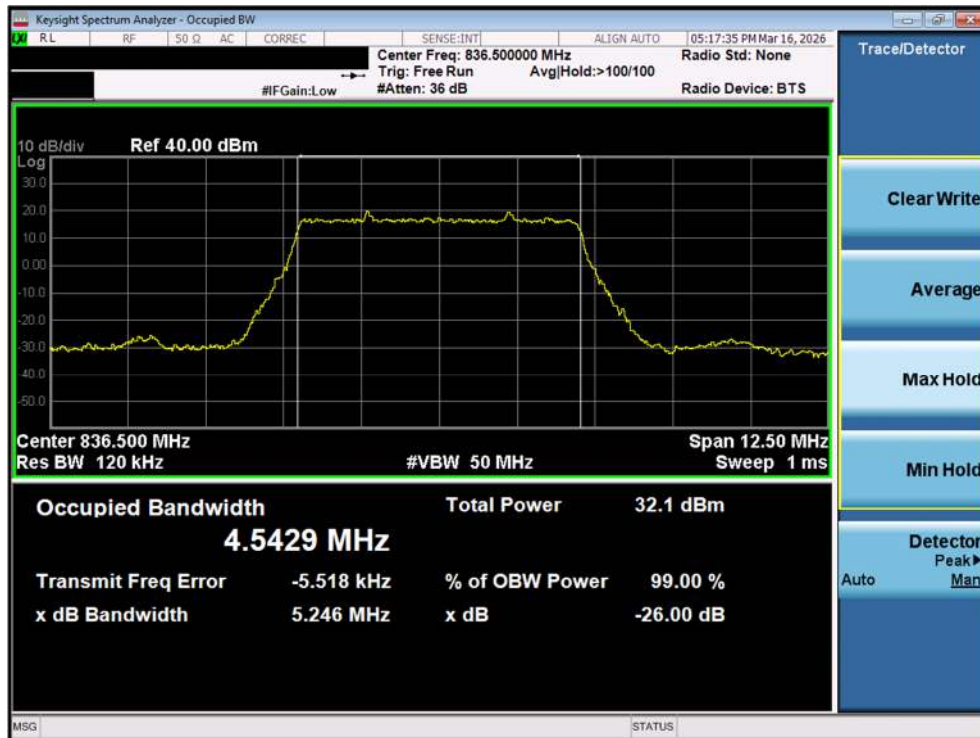


Plot 7-21. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz QPSK - Full RB – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Plot 7-22. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz 16-QAM - Full RB – Ant1)

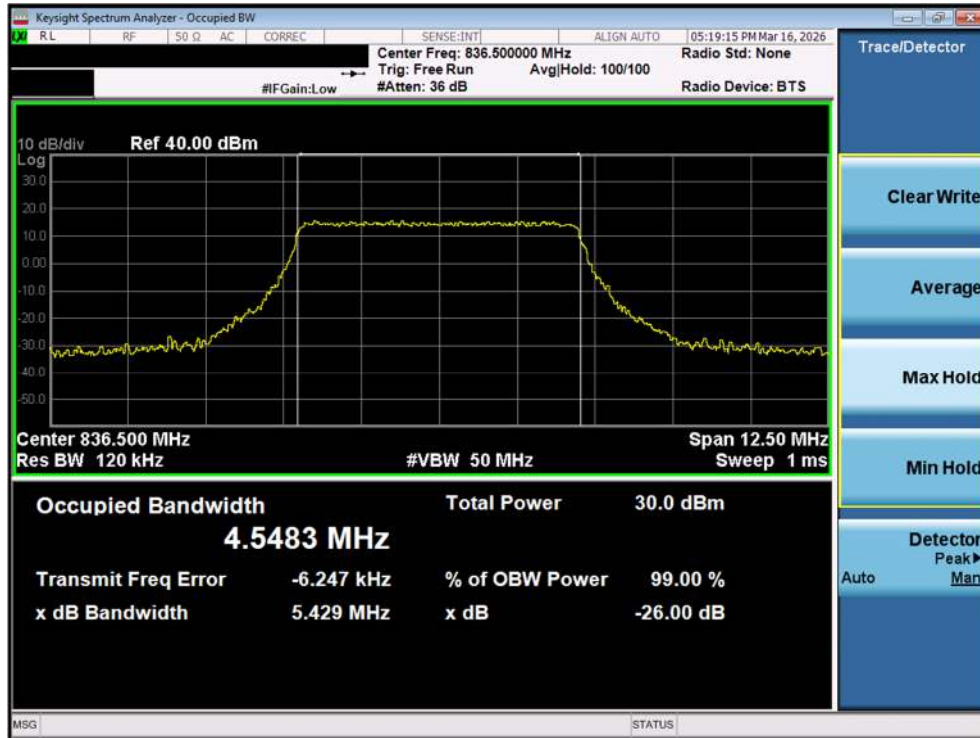


Plot 7-23. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz $\pi/2$ BPSK - Full RB – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Plot 7-24. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz QPSK - Full RB – Ant1)



Plot 7-25. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz 16-QAM - Full RB – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Mode	Bandwidth	Modulation	OBW [MHz]
GSM-Cell	N/A	GSMK	0.244
GSM-Cell Edge		8-PSK	0.245
WCDMA-Cell		Spread Spectrum	4.17
LTE-B26-5	15 MHz	QPSK	13.55
		16QAM	13.55
	10 MHz	QPSK	9.01
		16QAM	9.03
	5 MHz	QPSK	4.54
		16QAM	4.54
	3 MHz	QPSK	2.72
		16QAM	2.73
	1.4 MHz	QPSK	1.11
		16QAM	1.11
NR-n26-5	20 MHz	$\pi/2$ BPSK	17.96
		QPSK	17.98
		16QAM	17.99
	15 MHz	$\pi/2$ BPSK	13.53
		QPSK	13.50
		16QAM	13.51
	10 MHz	$\pi/2$ BPSK	9.01
		QPSK	9.01
		16QAM	9.01
	5 MHz	$\pi/2$ BPSK	4.54
		QPSK	4.54
		16QAM	4.54

Table 7-9. Occupied Bandwidth Results – Ant2

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 32 of 136

GPRS Cell – Ant2



Plot 7-26. Occupied Bandwidth Plot (GPRS, Ch. 190 – Ant2)



Plot 7-27. Occupied Bandwidth Plot (EDGE, Ch. 190 – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 33 of 136

WCDMA Cell – Ant2



Plot 7-28. Occupied Bandwidth Plot (WCDMA 850 – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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

LTE Band 26/5 – Ant2



Plot 7-29. Occupied Bandwidth Plot (LTE Band 26 - 15MHz QPSK - Full RB – Ant2)



Plot 7-30. Occupied Bandwidth Plot (LTE Band 26 - 15MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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



Plot 7-31. Occupied Bandwidth Plot (LTE Band 26/5 - 10MHz QPSK - Full RB – Ant2)



Plot 7-32. Occupied Bandwidth Plot (LTE Band 26/5 - 10MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 36 of 136



Plot 7-33. Occupied Bandwidth Plot (LTE Band 26/5 - 5MHz QPSK - Full RB – Ant2)

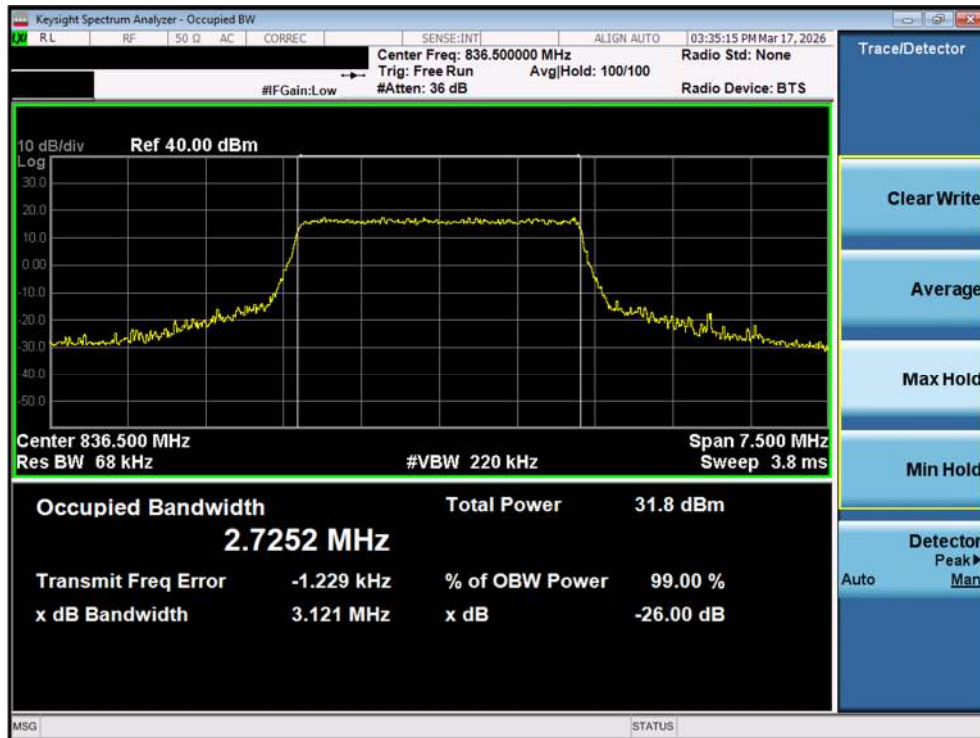


Plot 7-34. Occupied Bandwidth Plot (LTE Band 26/5 - 5MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 37 of 136

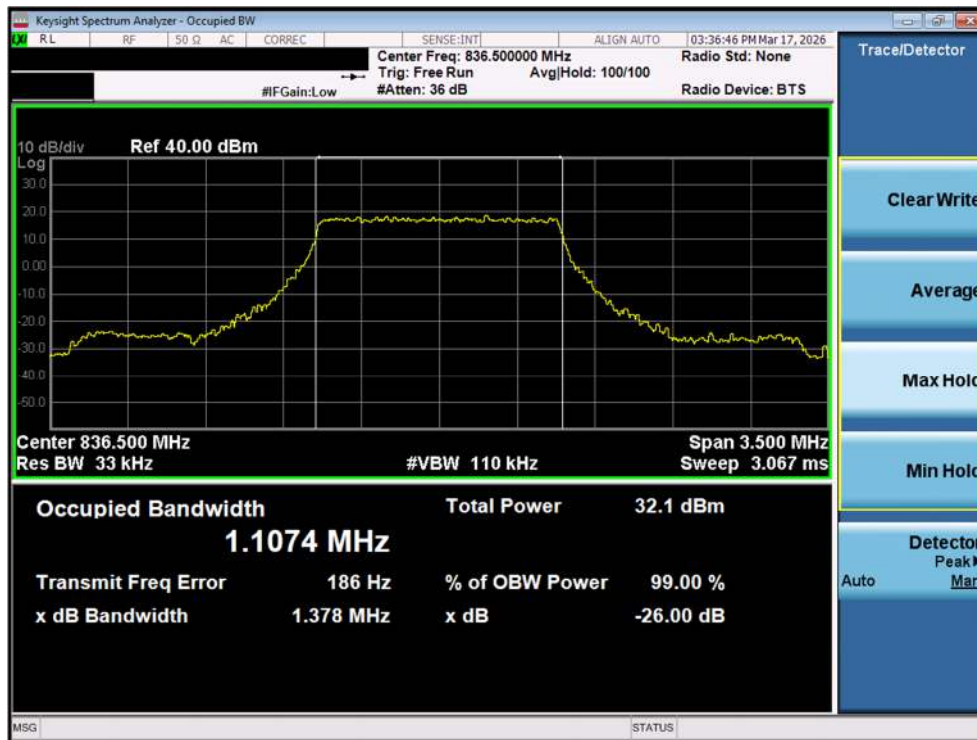


Plot 7-35. Occupied Bandwidth Plot (LTE Band 26/5 - 3MHz QPSK - Full RB – Ant2)



Plot 7-36. Occupied Bandwidth Plot (LTE Band 26/5 - 3MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 38 of 136



Plot 7-37. Occupied Bandwidth Plot (LTE Band 26/5 – 1.4MHz QPSK - Full RB – Ant2)



Plot 7-38. Occupied Bandwidth Plot (LTE Band 26/5 – 1.4MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 39 of 136

NR Band n26/5 – Ant2



Plot 7-39. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz $\pi/2$ BPSK - Full RB – Ant2)

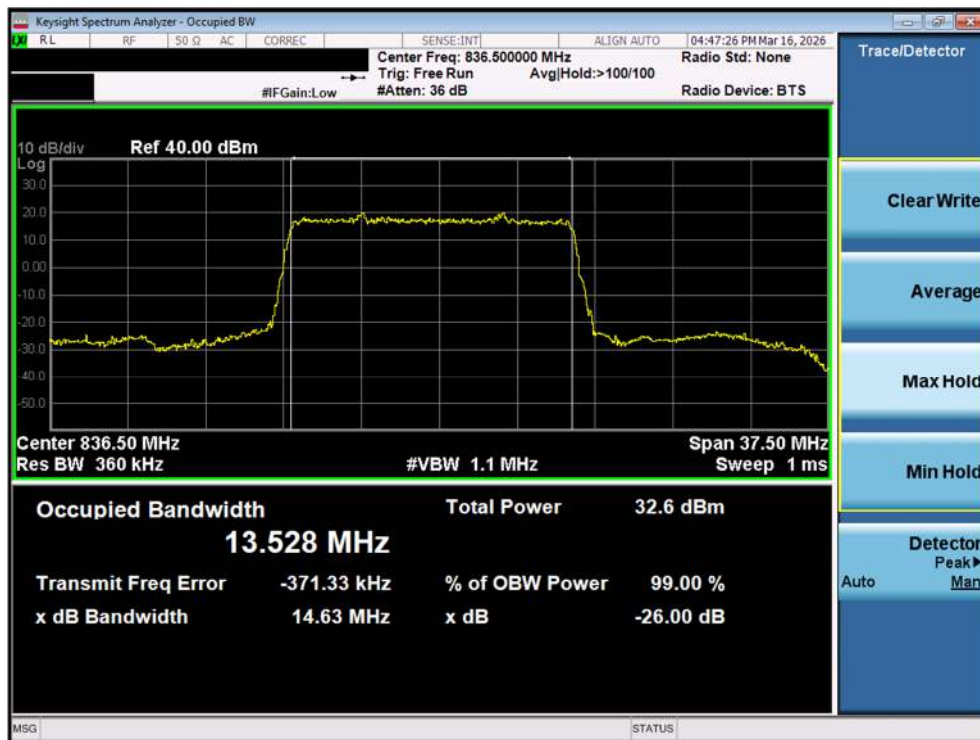


Plot 7-40. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz QPSK - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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

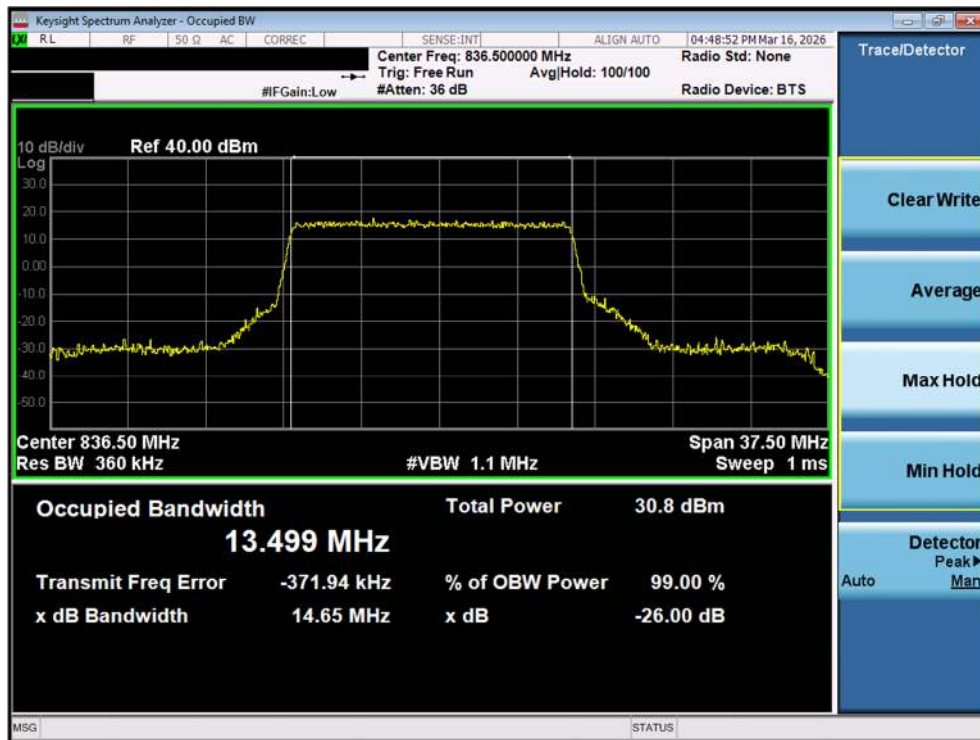


Plot 7-41. Occupied Bandwidth Plot (NR Band n26/5 - 20MHz 16-QAM - Full RB – Ant2)

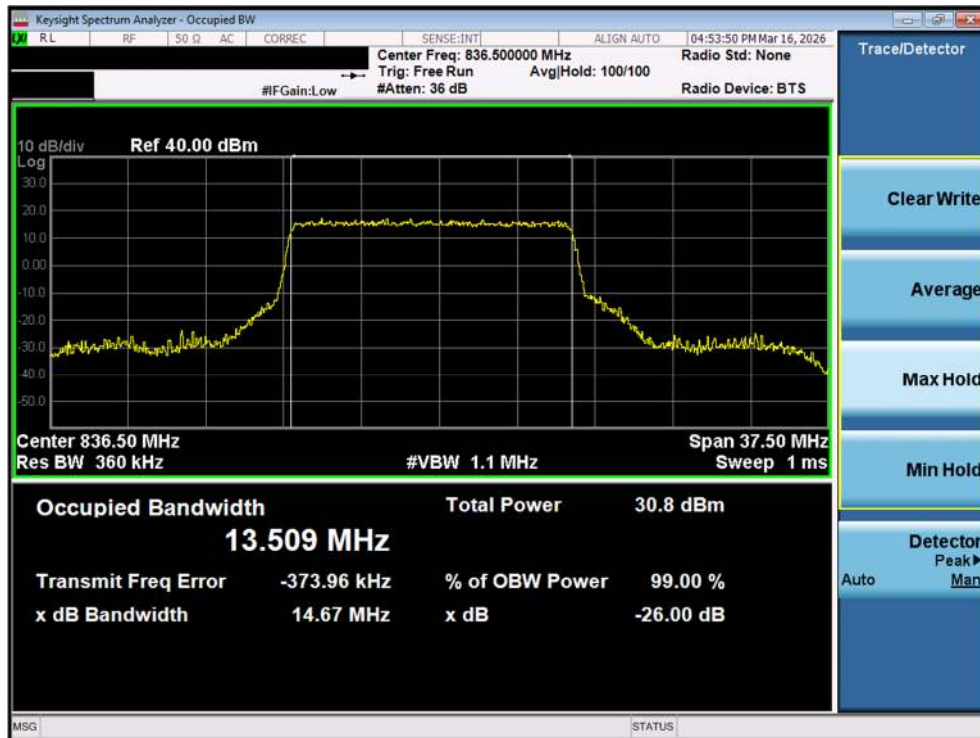


Plot 7-42. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz $\pi/2$ BPSK - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 41 of 136

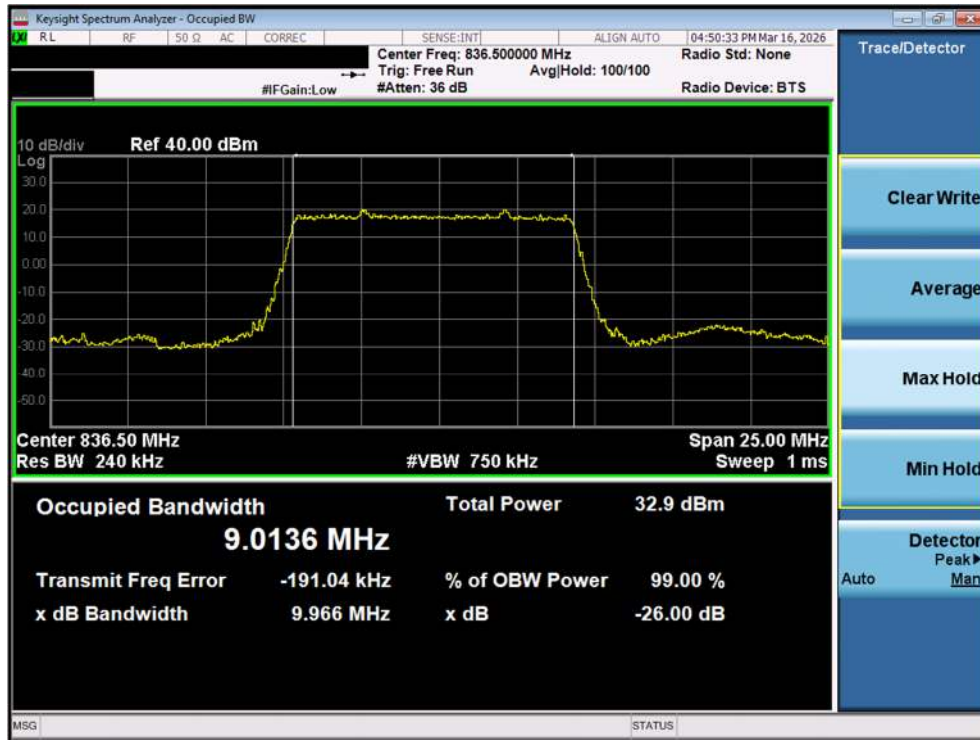


Plot 7-43. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz QPSK - Full RB – Ant2)

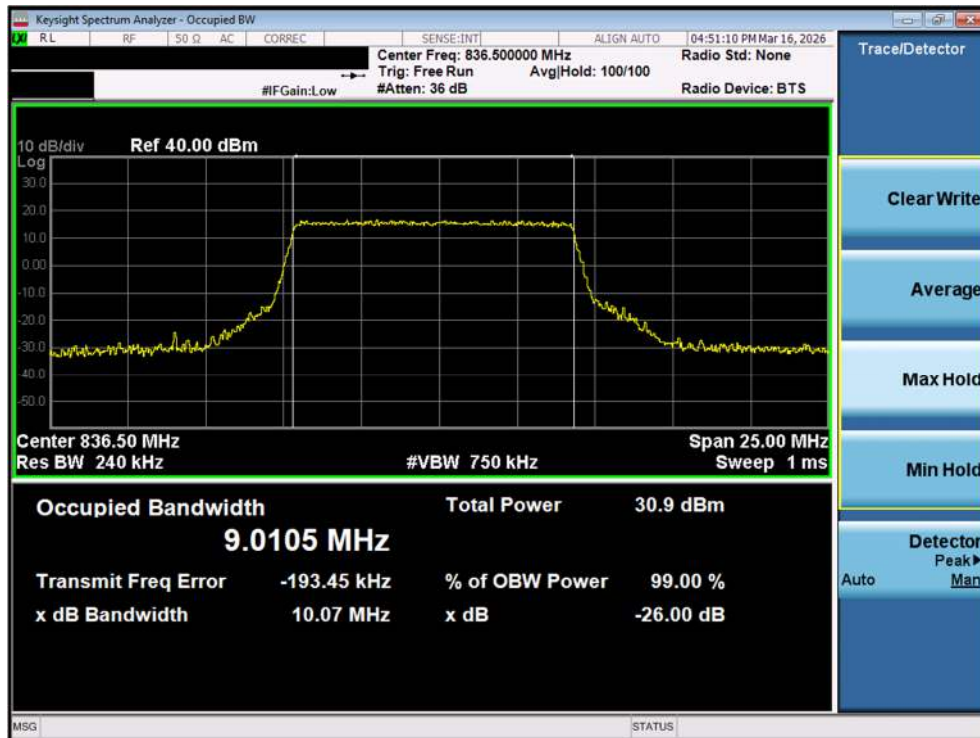


Plot 7-44. Occupied Bandwidth Plot (NR Band n26/5 - 15MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 42 of 136

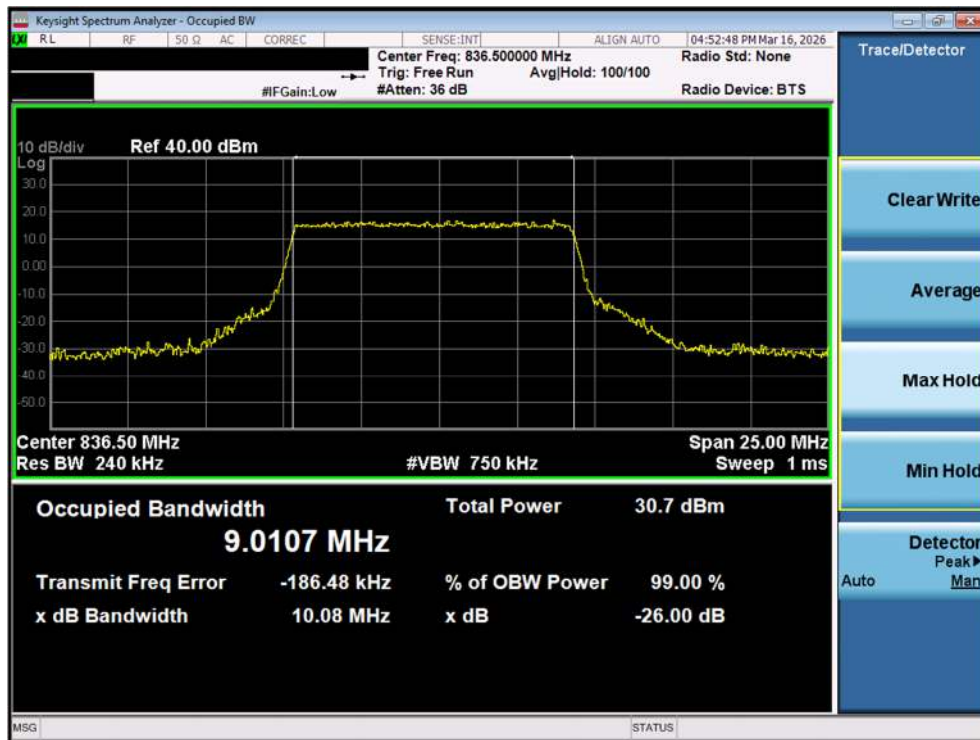


Plot 7-45. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz $\pi/2$ BPSK - Full RB – Ant2)



Plot 7-46. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz QPSK - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 7-47. Occupied Bandwidth Plot (NR Band n26/5 - 10MHz 16-QAM - Full RB – Ant2)

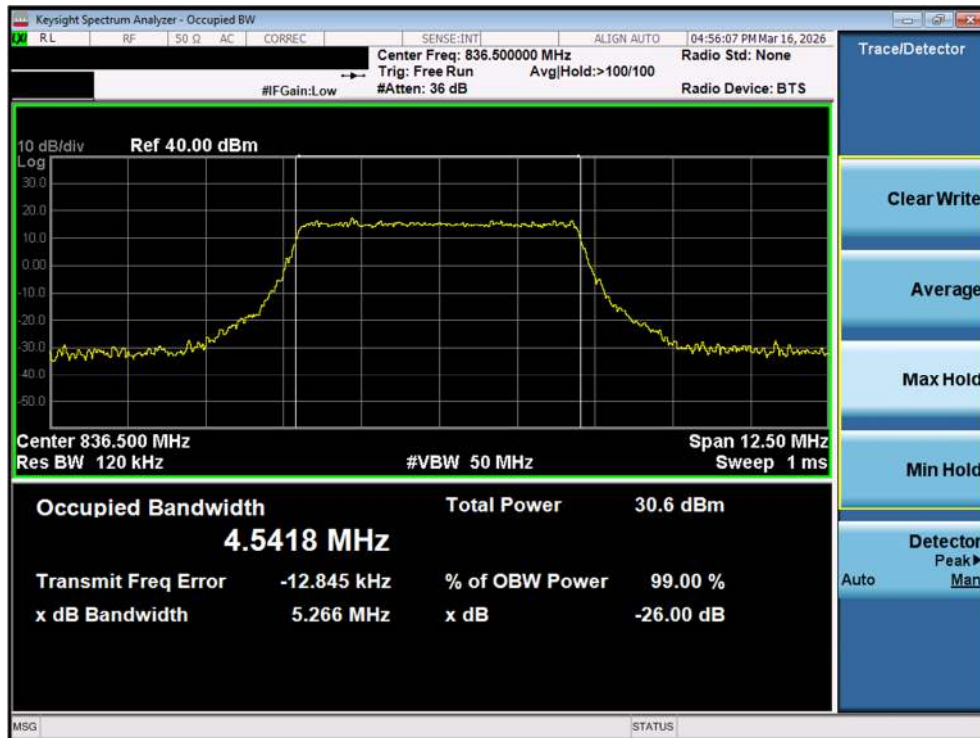


Plot 7-48. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz $\pi/2$ BPSK - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 7-49. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz QPSK - Full RB – Ant2)



Plot 7-50. Occupied Bandwidth Plot (NR Band n26/5 - 5MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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

7.4 Spurious and Harmonic Emissions at Antenna Terminal

Test Overview

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

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

Test Procedure Used

ANSI C63.26:2015 – Section 5.7.4

Test Settings

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

Test Setup

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

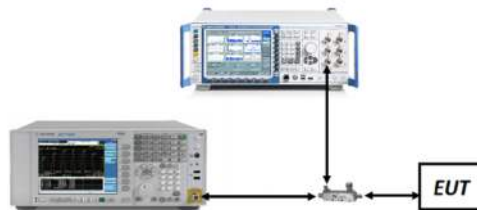


Figure 7-3. Test Instrument & Measurement Setup

Test Notes

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

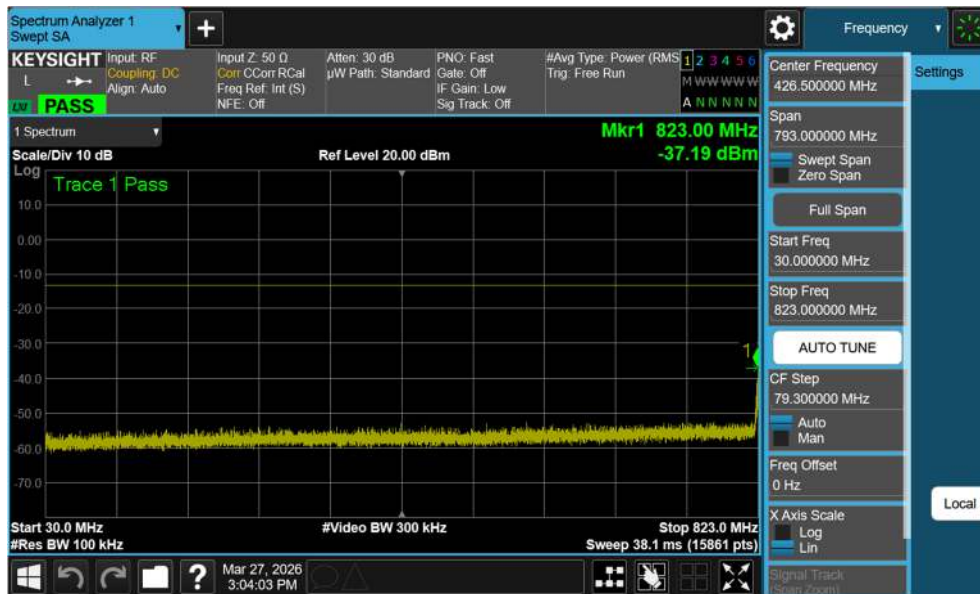
FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 46 of 136

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250 kHz	Low	30.0 - 823.0	-37.19	-13.0	-24.19
		Low	849.0 - 1000.0	-51.76	-13.0	-38.76
		Low	1000.0 - 10000.0	-26.08	-13.0	-13.08
		Mid	30.0 - 824.0	-51.63	-13.0	-38.63
		Mid	849.0 - 1000.0	-51.22	-13.0	-38.21
		Mid	1000.0 - 10000.0	-27.29	-13.0	-14.29
		High	30.0 - 824.0	-51.53	-13.0	-38.53
		High	850.0 - 1000.0	-37.45	-13.0	-24.45
		High	1000.0 - 10000.0	-28.79	-13.0	-15.79
WCDMA-Cell	5 MHz	Low	30.0 - 823.0	-28.65	-13.0	-15.65
		Low	849.0 - 1000.0	-60.49	-13.0	-47.49
		Low	1000.0 - 10000.0	-39.35	-13.0	-26.35
		Mid	30.0 - 824.0	-53.49	-13.0	-40.49
		Mid	849.0 - 1000.0	-54.24	-13.0	-41.24
		Mid	1000.0 - 10000.0	-39.67	-13.0	-26.67
		High	30.0 - 824.0	-59.82	-13.0	-46.81
		High	850.0 - 1000.0	-30.41	-13.0	-17.40
		High	1000.0 - 10000.0	-39.22	-13.0	-26.22
LTE-B26-5	10MHz	Low	30.0 - 823.0	-62.24	-13.0	-49.24
		Low	849.0 - 1000.0	-61.56	-13.0	-48.56
		Low	1000.0 - 10000.0	-43.26	-13.0	-30.26
		Mid	30.0 - 824.0	-61.43	-13.0	-48.43
		Mid	849.0 - 1000.0	-61.25	-13.0	-48.25
		Mid	1000.0 - 10000.0	-43.07	-13.0	-30.07
		High	30.0 - 824.0	-61.94	-13.0	-48.94
		High	850.0 - 1000.0	-60.76	-13.0	-47.76
		High	1000.0 - 10000.0	-42.21	-13.0	-29.21
NR-n26-5	20 MHz	Low	30.0 - 823.0	-48.20	-13.0	-35.19
		Low	849.0 - 1000.0	-51.03	-13.0	-38.03
		Low	1000.0 - 10000.0	-42.63	-13.0	-29.63
		Mid	30.0 - 824.0	-45.53	-13.0	-32.53
		Mid	849.0 - 1000.0	-47.05	-13.0	-34.05
		Mid	1000.0 - 10000.0	-43.25	-13.0	-30.25
		High	30.0 - 824.0	-46.43	-13.0	-33.43
		High	850.0 - 1000.0	-44.23	-13.0	-31.23
		High	1000.0 - 10000.0	-42.29	-13.0	-29.29

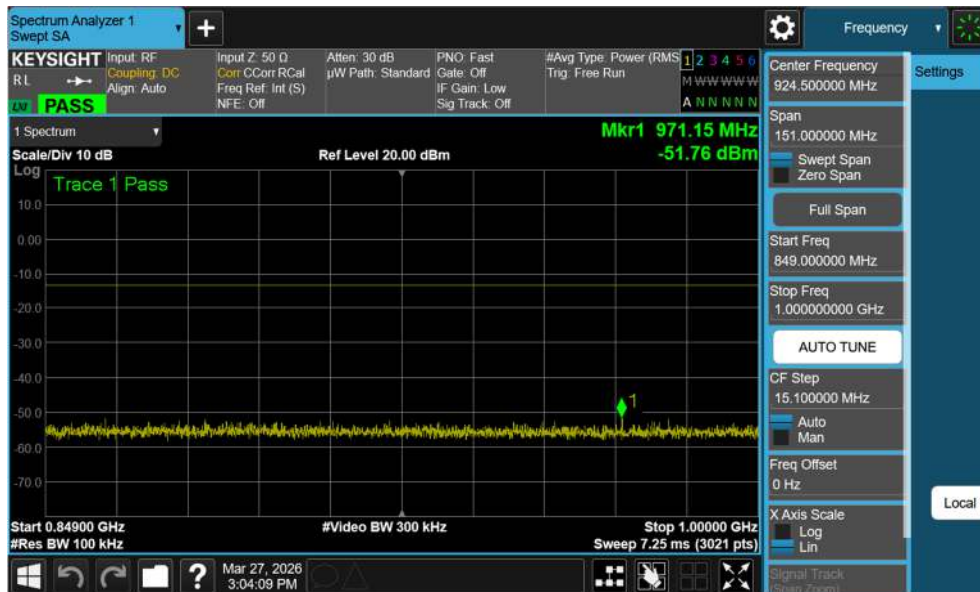
Table 7-10. Conducted Spurious Emissions Results – Ant1

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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		

GSM/GPRS Cell – Ant1

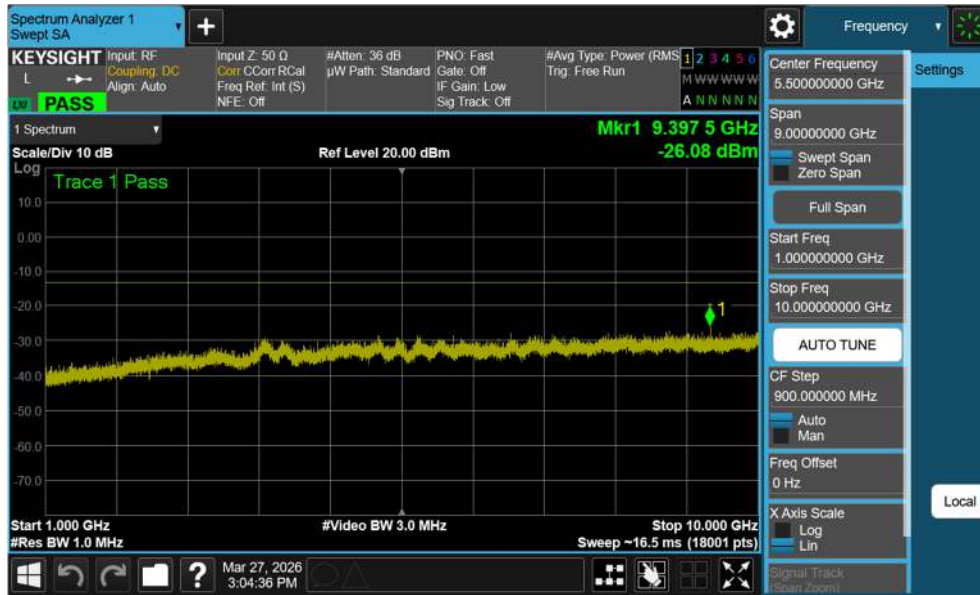


Plot 7-51. Conducted Spurious Plot (GPRS - Low Channel – Ant1)



Plot 7-52. Conducted Spurious Plot (GPRS - Low Channel – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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



Plot 7-53. Conducted Spurious Plot (GPRS – Low Channel – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 49 of 136

WCDMA Cell – Ant1



Plot 7-54. Conducted Spurious Plot (WCDMA – Low Channel – Ant1)



Plot 7-55. Conducted Spurious Plot (WCDMA – Low Channel – Ant1)

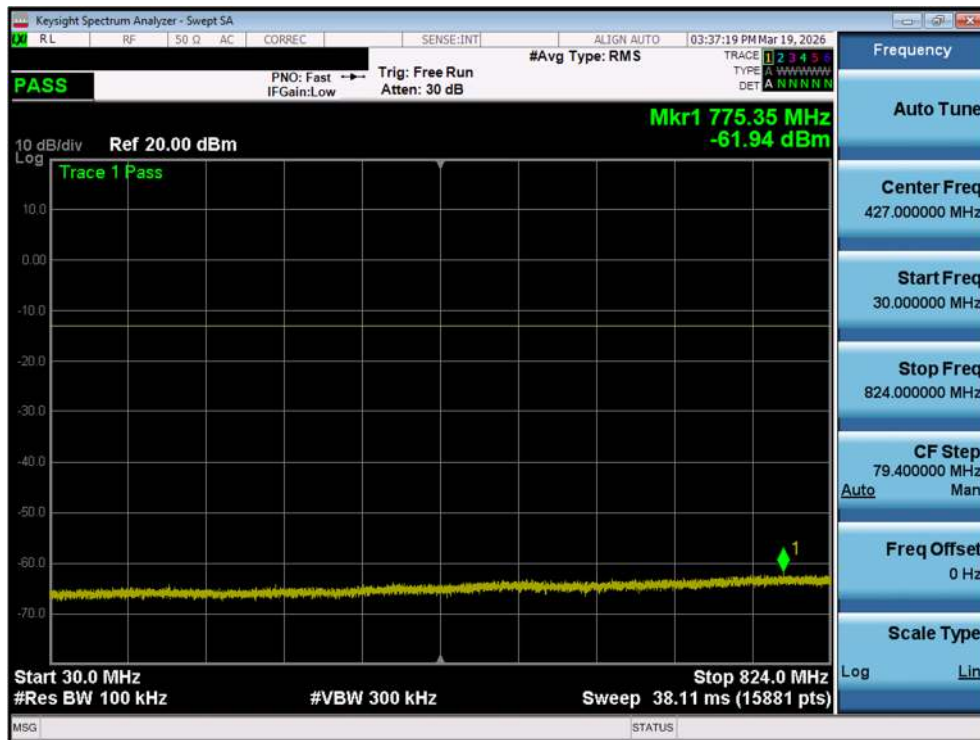
FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 50 of 136



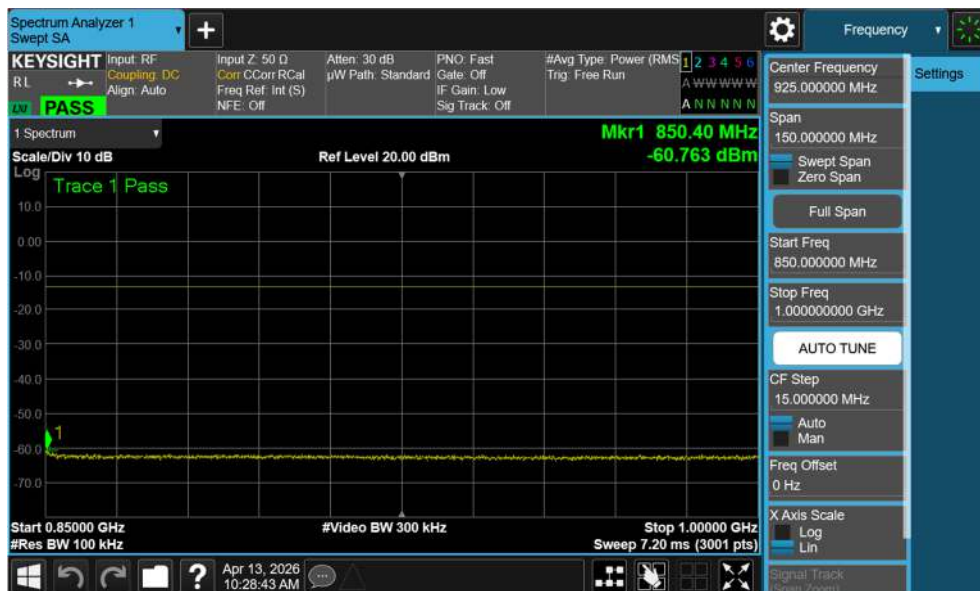
Plot 7-56. Conducted Spurious Plot (WCDMA – Low Channel – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 51 of 136

LTE Band 26/5 – Ant1

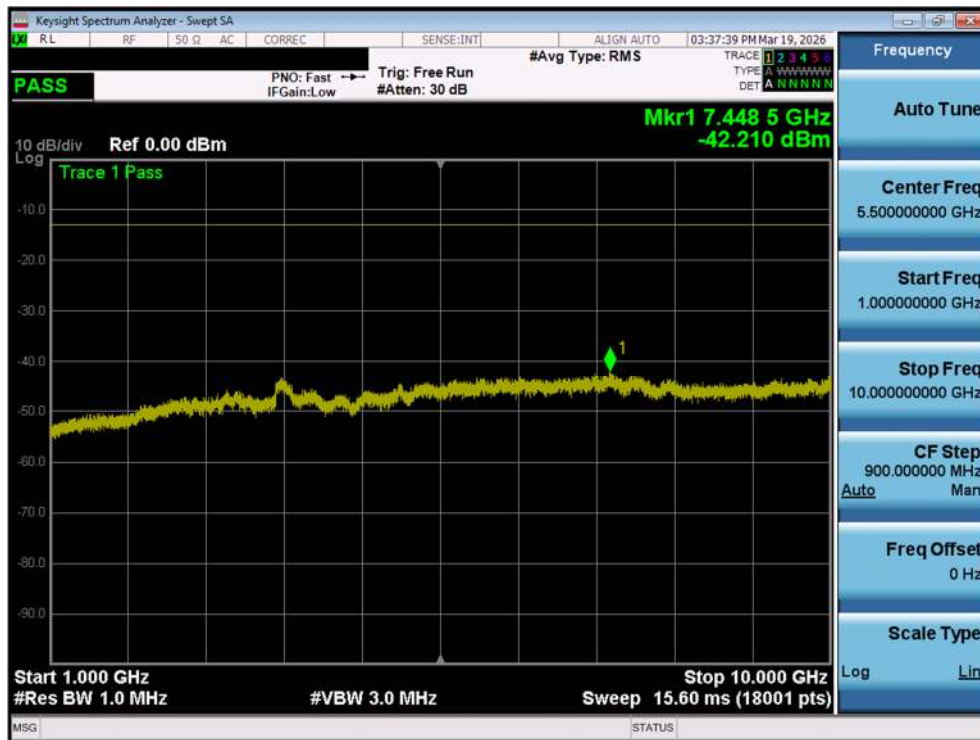


Plot 7-57. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - High Channel – Ant1)



Plot 7-58. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - High Channel – Ant1)

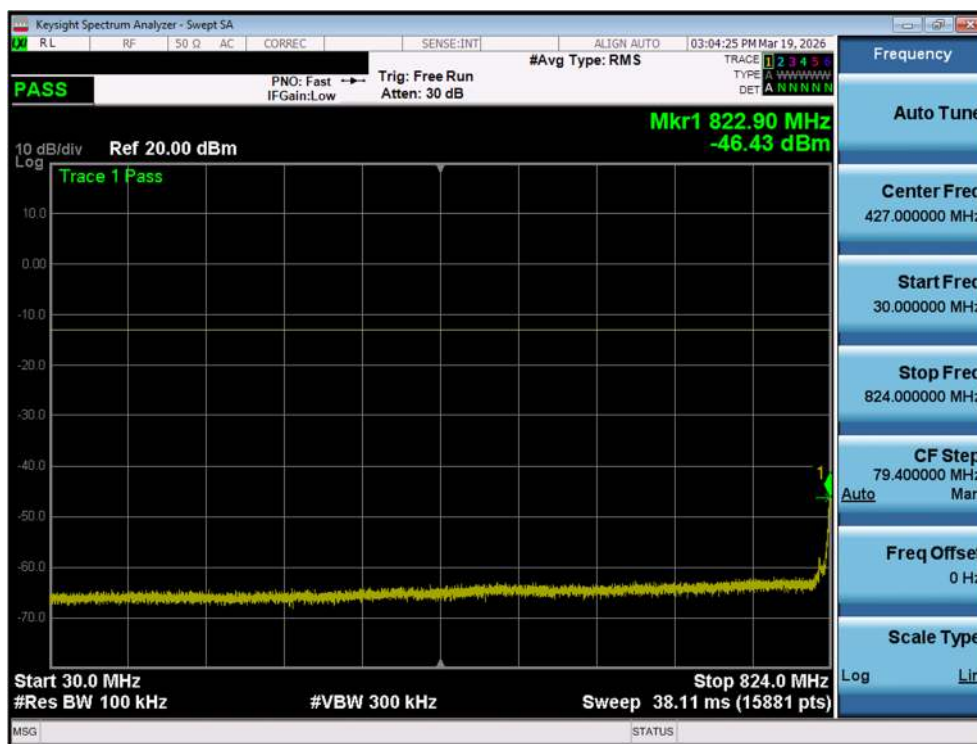
FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 52 of 136



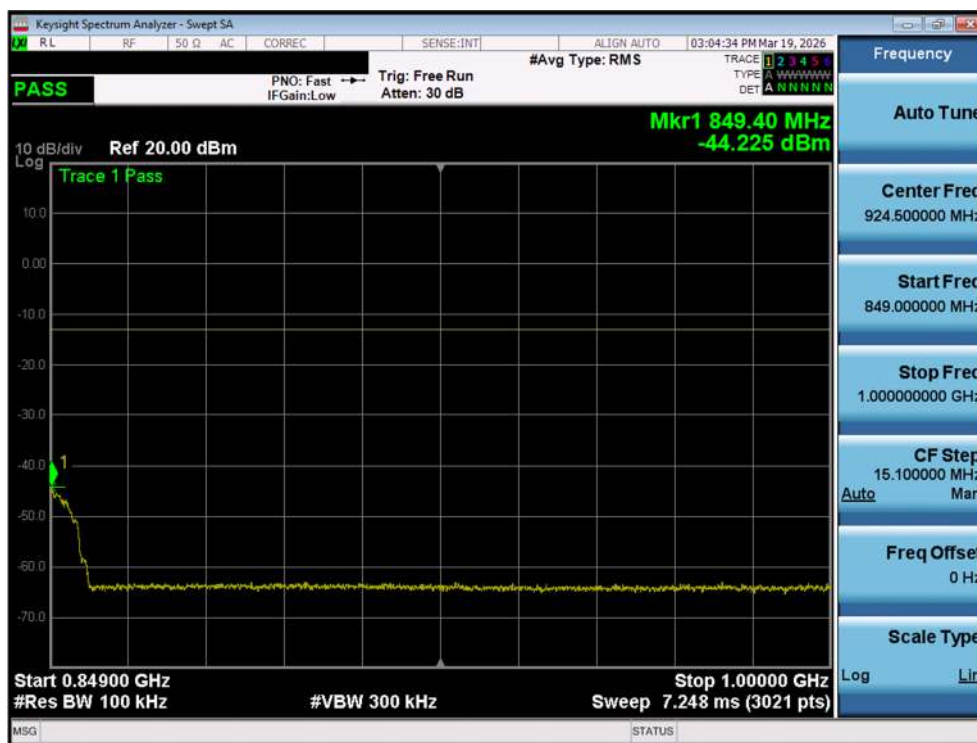
Plot 7-59. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - High Channel – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 53 of 136

NR Band n26/5 – Ant1

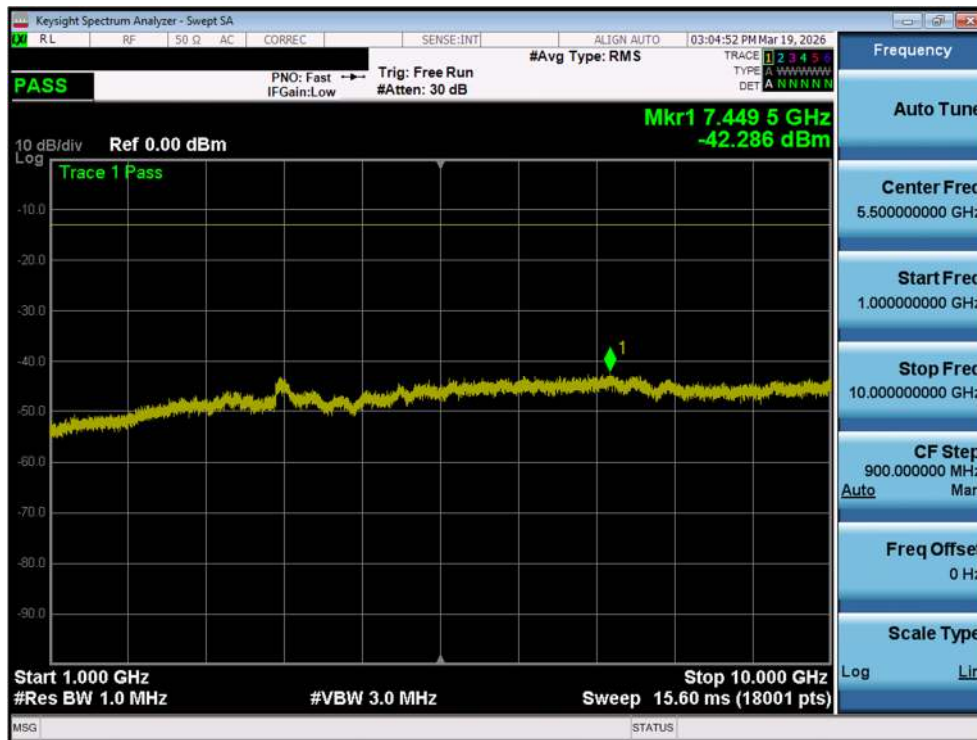


Plot 7-60. Conducted Spurious Plot (NR Band n26/5 - 20MHz - 1 RB - High Channel – Ant1)



Plot 7-61. Conducted Spurious Plot (NR Band n26/5 - 20MHz - 1 RB - High Channel – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 54 of 136



Plot 7-62. Conducted Spurious Plot (NR Band n26/5 - 20MHz - 1 RB - High Channel – Ant1)

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 55 of 136

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250 kHz	Low	30.0 - 823.0	-33.02	-13.0	-20.02
		Low	849.0 - 1000.0	-51.35	-13.0	-38.35
		Low	1000.0 - 10000.0	-25.27	-13.0	-12.27
		Mid	30.0 - 824.0	-50.20	-13.0	-37.20
		Mid	849.0 - 1000.0	-51.09	-13.0	-38.09
		Mid	1000.0 - 10000.0	-25.80	-13.0	-12.80
		High	30.0 - 824.0	-50.65	-13.0	-37.65
		High	850.0 - 1000.0	-34.27	-13.0	-21.27
		High	1000.0 - 10000.0	-25.93	-13.0	-12.93
WCDMA-Cell	5 MHz	Low	30.0 - 823.0	-28.61	-13.0	-15.61
		Low	849.0 - 1000.0	-59.95	-13.0	-46.95
		Low	1000.0 - 10000.0	-39.57	-13.0	-26.57
		Mid	30.0 - 824.0	-54.50	-13.0	-41.50
		Mid	849.0 - 1000.0	-53.84	-13.0	-40.84
		Mid	1000.0 - 10000.0	-39.65	-13.0	-26.65
		High	30.0 - 824.0	-59.79	-13.0	-46.79
		High	850.0 - 1000.0	-25.51	-13.0	-12.50
		High	1000.0 - 10000.0	-39.65	-13.0	-26.65
LTE-B26-5	15MHz	Low	30.0 - 823.0	-59.75	-13.0	-46.75
		Low	849.0 - 1000.0	-62.88	-13.0	-49.88
		Low	1000.0 - 10000.0	-43.24	-13.0	-30.24
		Mid	30.0 - 824.0	-61.96	-13.0	-48.96
		Mid	849.0 - 1000.0	-62.38	-13.0	-49.38
		Mid	1000.0 - 10000.0	-43.28	-13.0	-30.28
		High	30.0 - 824.0	-62.26	-13.0	-49.26
		High	850.0 - 1000.0	-60.46	-13.0	-47.46
		High	1000.0 - 10000.0	-43.06	-13.0	-30.06
NR-n26-5	20 MHz	Low	30.0 - 823.0	-58.36	-13.0	-45.36
		Low	849.0 - 1000.0	-62.39	-13.0	-49.39
		Low	1000.0 - 10000.0	-42.78	-13.0	-29.78
		Mid	30.0 - 824.0	-59.75	-13.0	-46.75
		Mid	849.0 - 1000.0	-57.03	-13.0	-44.03
		Mid	1000.0 - 10000.0	-42.72	-13.0	-29.72
		High	30.0 - 824.0	-61.50	-13.0	-48.50
		High	850.0 - 1000.0	-57.68	-13.0	-44.68
		High	1000.0 - 10000.0	-42.99	-13.0	-29.99

Table 7-11. Conducted Spurious Emissions Results – Ant2

FCC ID: A3LSMF776U IC: 649E-SMF776W	PART 22 RSS-132 MEASUREMENT REPORT	Test Dates: 3/16/2026 - 4/13/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2602190015-02-R4.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 56 of 136