

PART 24 MEASUREMENT REPORT

Applicant Name:

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

Date of Testing:

03/24/2026 – 05/22/2026

Test Report Issue Date:

6/3/2026

Test Site/Location:

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

Test Report Serial No.:

1M2604240033-02-R1.A3L

FCC ID:

A3LSMF776JPN

APPLICANT:

Samsung Electronics Co., Ltd.

Application Type:

Certification

Model:

SC-55G

Additional Model(s):

SCG40

EUT Type:

Portable Handset

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

FCC Rule Part:

24

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: 1M2604240033-02-R1.A3L) supersedes and replaces the previously issued test report (S/N: 1M2604240033-02.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

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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TEST REPORT REVISION HISTORY

Rev. No.	Description	Issue Date	Revised By
-	Initial Release	5/29/2026	WKR0000025499
1	Addressed comments made by TCB reviewer	6/3/2026	WKR0000025499

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Antenna-1						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
GSM/GPRS	N/A	GMSK	1850.2 - 1909.8	0.405	26.07	245KGXW
EDGE	N/A	8-PSK	1850.2 - 1909.8	0.139	21.42	246KG7W
LTE Band 25/2	20 MHz	QPSK	1860 - 1905	0.181	22.59	18M1G7D
		16QAM	1860 - 1905	0.148	21.70	18M1W7D
	15 MHz	QPSK	1857.5 - 1907.5	0.182	22.61	13M6G7D
		16QAM	1857.5 - 1907.5	0.149	21.73	13M6W7D
	10 MHz	QPSK	1855 - 1910	0.182	22.61	9M04G7D
		16QAM	1855 - 1910	0.145	21.62	9M04W7D
	5 MHz	QPSK	1852.5 - 1912.5	0.184	22.65	4M54G7D
		16QAM	1852.5 - 1912.5	0.188	22.74	4M54W7D
	3 MHz	QPSK	1851.5 - 1913.5	0.190	22.79	2M72G7D
		16QAM	1851.5 - 1913.5	0.145	21.61	2M72W7D
	1.4 MHz	QPSK	1850.7 - 1914.3	0.190	22.78	1M10G7D
		16QAM	1850.7 - 1914.3	0.144	21.59	1M12W7D

Antenna-2						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
LTE Band 25/2	20 MHz	QPSK	1860 - 1905	0.087	19.42	18M1G7D
		16QAM	1860 - 1905	0.072	18.56	18M1W7D
	15 MHz	QPSK	1857.5 - 1907.5	0.087	19.38	13M6G7D
		16QAM	1857.5 - 1907.5	0.071	18.54	13M6W7D
	10 MHz	QPSK	1855 - 1910	0.086	19.34	9M05G7D
		16QAM	1855 - 1910	0.071	18.51	9M06W7D
	5 MHz	QPSK	1852.5 - 1912.5	0.085	19.30	4M54G7D
		16QAM	1852.5 - 1912.5	0.071	18.50	4M54W7D
	3 MHz	QPSK	1851.5 - 1913.5	0.086	19.36	2M73G7D
		16QAM	1851.5 - 1913.5	0.071	18.53	2M73W7D
	1.4 MHz	QPSK	1850.7 - 1914.3	0.083	19.21	1M10G7D
		16QAM	1850.7 - 1914.3	0.068	18.34	1M13W7D

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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: A3LSMF776JPN**. 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 24.

The authorization for this device utilize data referencing from FCC ID: A3LSMF776U as permitted per KDB 484596D01 v03. Data referencing data test results are included in Appendix A of this report.

Test Device Serial No.: 0090M, 0087M

2.2 Device Capabilities

This device contains the following capabilities:

850/1900 GSM/GPRS/EDGE, 850 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, SCS.

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 1900	Ant B	-
LTE 25/2	Ant B	Ant H

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 5-1. 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 5-2. 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 5-3. KLTX2 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)

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: A3LSMF776JPN
 FCC Classification: PCS Licensed Transmitter Held to Ear (PCE)
 Mode(s): GSM/LTE

Test Condition	Test Description	FCC Part Section(s)	Test Limit	Test Result	Reference	Data Reference
CONDUCTED	Transmitter Conducted Output Power*	2.1046(a), 2.1046(c)	N/A	PASS	Section 7.2	Yes
	Occupied Bandwidth	2.1049(h)	N/A	PASS	Section 7.3	Yes
	Conducted Band Edge / Spurious Emissions	2.1051, 24.238(a)	> 43 + 10log10(P[Watts]) at Band Edge and for all out-of-band emissions	PASS	Sections 7.4, 7.5	Yes
	Peak-to-Average Ratio	24.232(d)	≤ 13 dB	PASS	Section 7.6	Yes
	Frequency Stability	2.1055, 24.235	Fundamental emissions stay within authorized frequency block	PASS	Section 7.9	Yes
RADIATED	Equivalent Isotropic Radiated Power	24.232(c)	< 2 Watts max. EIRP	PASS	Section 7.7	Yes
	Radiated Spurious Emissions	2.1053, 24.238(a)	≥ 43 + 10 log (P[Watts]) dB of attenuation below transmitter power	PASS	Section 7.8	Yes

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

Table 7-1. Summary of Test Results

Notes:

- 1) All modes of operation and data rates were investigated. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables, directional couplers, and attenuators used as part of the system to maintain a link between the call box and the EUT at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables, attenuators, and couplers.
- 4) All conducted emissions measurements are performed with automated test software to capture the corresponding plots necessary to show compliance. The measurement software utilized is EMC Software Tool v2.4.0.
- 5) Data was referenced from model SM-F776U for the certification of SC-55G. See Section 9.0 for spot-check results.

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7.2 Conducted Output Power Data

Test Overview

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

Test Procedure Used

ANSI C63.26:2015 – Section 5.2

Test Setup

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



Figure 7-1. Test Instrument & Measurement Setup

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	26140	1860.0	1 / 0	24.75
		26365	1882.5	1 / 0	24.53
		26590	1905.0	1 / 50	24.81
	16-QAM	26590	1905.0	1 / 50	23.96
15 MHz	QPSK	26115	1857.5	1 / 37	24.79
		26365	1882.5	1 / 0	24.55
		26615	1907.5	1 / 74	24.92
	16-QAM	26615	1907.5	1 / 74	24.15
10 MHz	QPSK	26090	1855.0	1 / 0	24.72
		26365	1882.5	1 / 0	24.55
		26640	1910.0	1 / 0	24.85
	16-QAM	26640	1910.0	1 / 0	24.09
5 MHz	QPSK	26065	1852.5	1 / 24	24.89
		26365	1882.5	1 / 0	24.59
		26665	1912.5	1 / 24	24.86
	16-QAM	26065	1852.5	1 / 24	24.04
3 MHz	QPSK	26055	1851.5	1 / 7	24.86
		26365	1882.5	1 / 14	24.73
		26675	1913.5	1 / 14	24.88
	16-QAM	26675	1913.5	1 / 14	24.11
1.4 MHz	QPSK	26047	1850.7	1 / 0	24.72
		26365	1882.5	1 / 5	24.72
		26683	1914.3	1 / 5	24.91
	16-QAM	26683	1914.3	1 / 5	24.20

Table 7-2. Max Conducted Power Test Results (LTE Band 25/2 – Ant1)

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Test Report S/N: 1M2604240033-02-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 13 of 85

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
20 MHz	QPSK	26140	1860.0	1 / 0	25.42
		26365	1882.5	1 / 50	25.39
		26590	1905.0	1 / 50	25.42
	16-QAM	26140	1860.0	1 / 0	24.68
15 MHz	QPSK	26115	1857.5	1 / 0	25.36
		26365	1882.5	1 / 37	25.35
		26615	1907.5	1 / 37	25.45
	16-QAM	26615	1907.5	1 / 37	24.73
10 MHz	QPSK	26090	1855.0	1 / 0	25.33
		26365	1882.5	1 / 25	25.31
		26640	1910.0	1 / 25	25.42
	16-QAM	26640	1910.0	1 / 25	24.72
5 MHz	QPSK	26065	1852.5	1 / 12	25.42
		26365	1882.5	1 / 12	25.27
		26665	1912.5	1 / 24	25.47
	16-QAM	26665	1912.5	1 / 24	24.77
3 MHz	QPSK	26055	1851.5	1 / 7	25.38
		26365	1882.5	1 / 7	25.33
		26675	1913.5	1 / 14	25.47
	16-QAM	26675	1913.5	1 / 14	24.78
1.4 MHz	QPSK	26047	1850.7	1 / 0	25.32
		26365	1882.5	1 / 3	25.18
		26683	1914.3	1 / 5	25.36
	16-QAM	26683	1914.3	1 / 5	24.69

Table 7-3. Max Conducted Power Test Results (LTE Band 25/2 – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 14 of 85

7.3 Occupied Bandwidth

Test Overview

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

Test Procedure Used

ANSI C63.26:2015 – Section 5.4.4

Test Settings

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

Test Setup

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

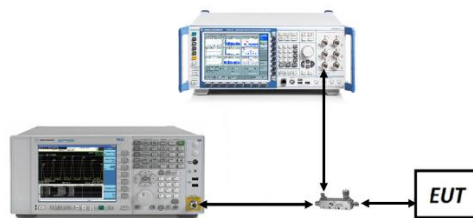


Figure 7-2. Test Instrument & Measurement Setup

Test Notes

None.

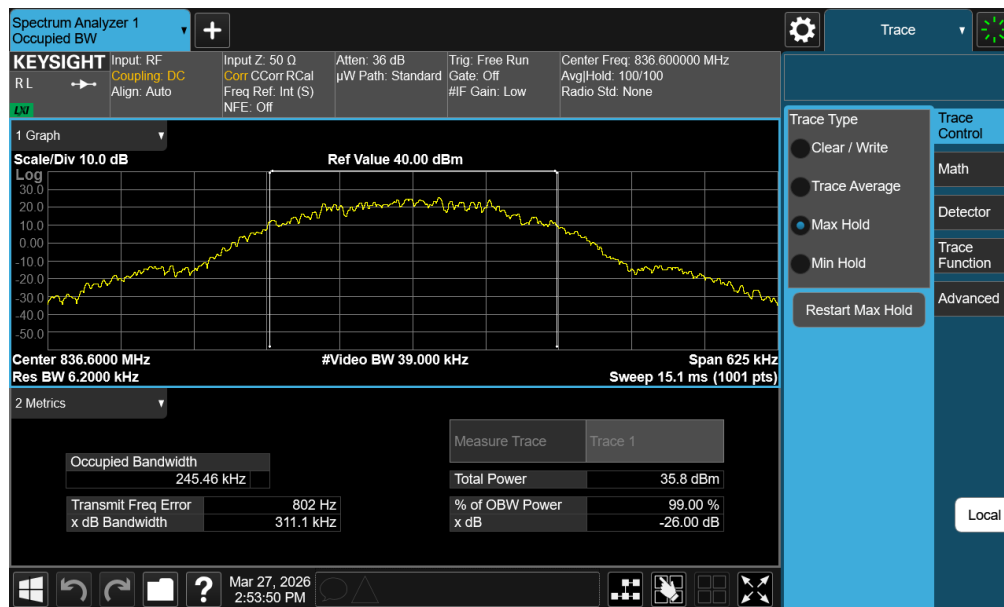
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 15 of 85

Mode	Bandwidth	Modulation	OBW [MHz]
GSM-PCS	N/A	GSMK	0.245
GSM-PCS Edge		8-PSK	0.248
LTE-B25-2	20 MHz	QPSK	18.09
		16QAM	18.09
	15 MHz	QPSK	13.61
		16QAM	13.59
	10 MHz	QPSK	9.04
		16QAM	9.04
	5 MHz	QPSK	4.54
		16QAM	4.54
	3 MHz	QPSK	2.72
		16QAM	2.72
	1.4 MHz	QPSK	1.10
		16QAM	1.12

Table 7-4. Occupied Bandwidth Results – Ant1

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 16 of 85

GPRS PCS – Ant1



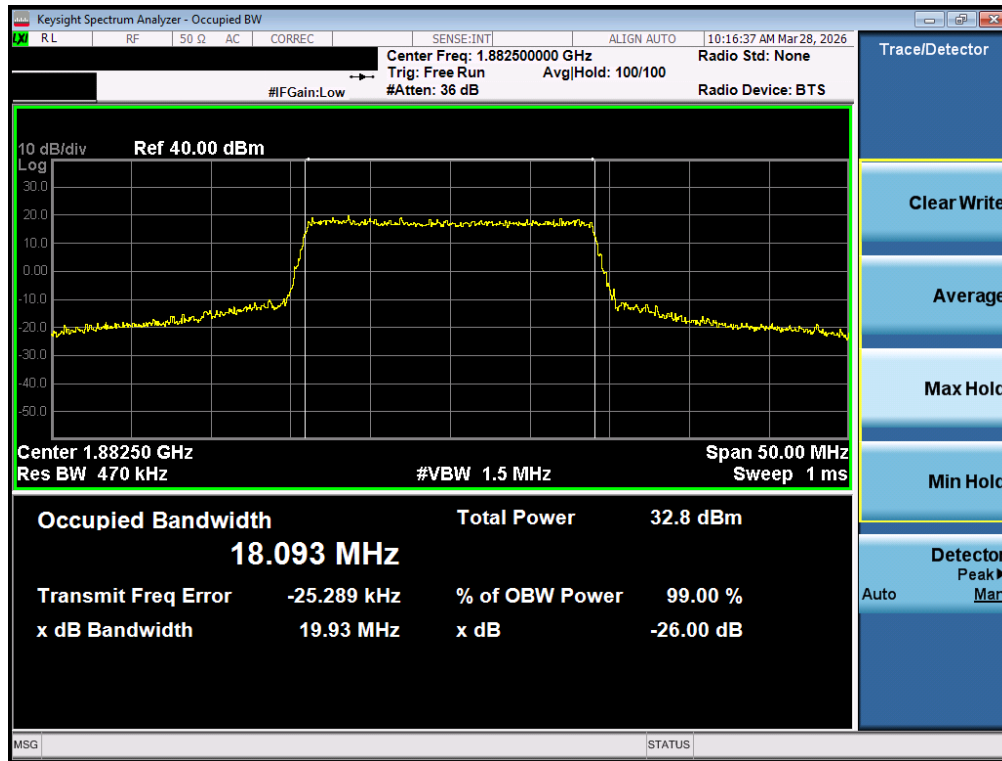
Plot 7-1. Occupied Bandwidth Plot (GPRS, Ch. 661 – Ant1)



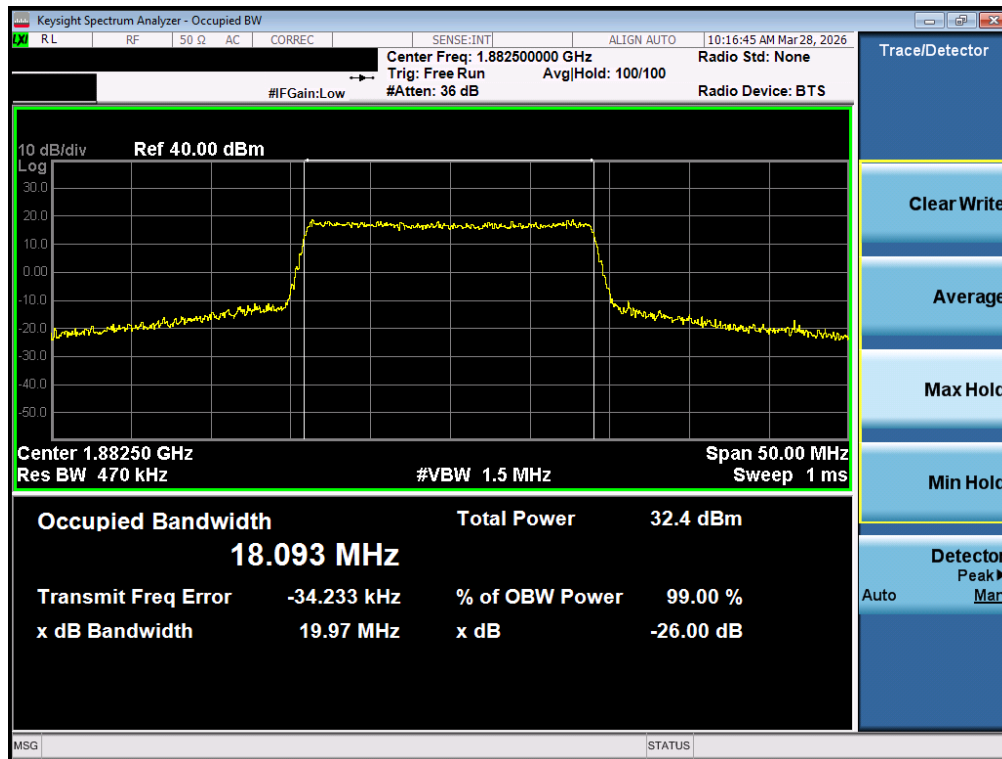
Plot 7-2. Occupied Bandwidth Plot (EDGE, Ch. 661 – Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 17 of 85

LTE Band 25/2 – Ant1

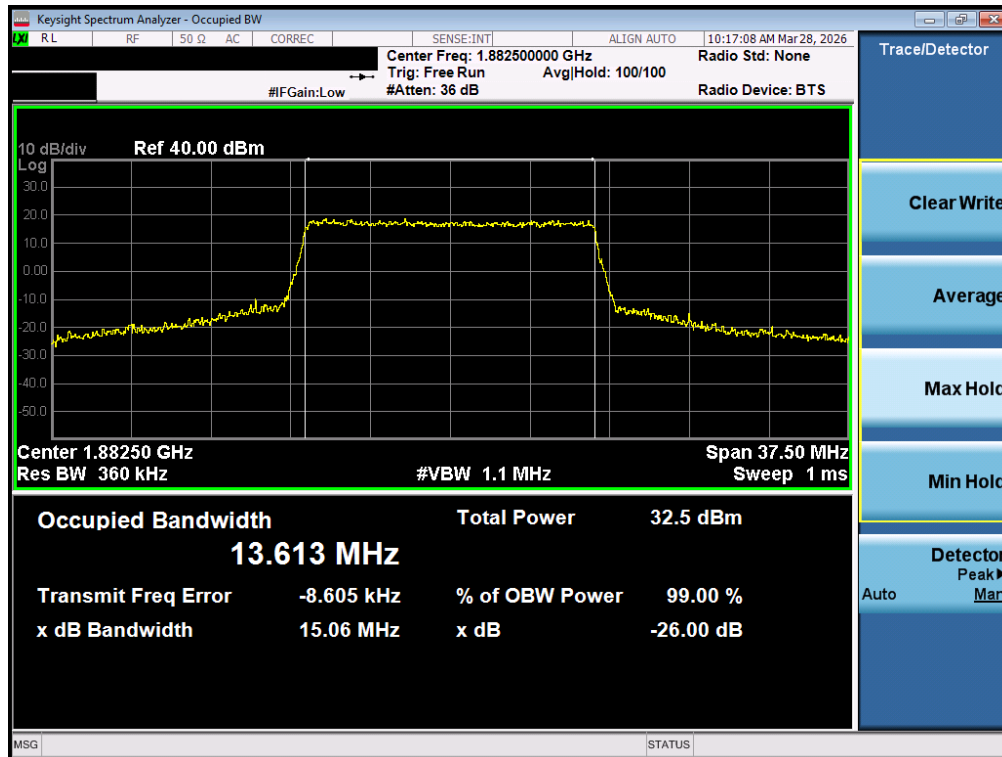


Plot 7-3. Occupied Bandwidth Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant1)



Plot 7-4. Occupied Bandwidth Plot (LTE Band 25/2 - 20MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 18 of 85

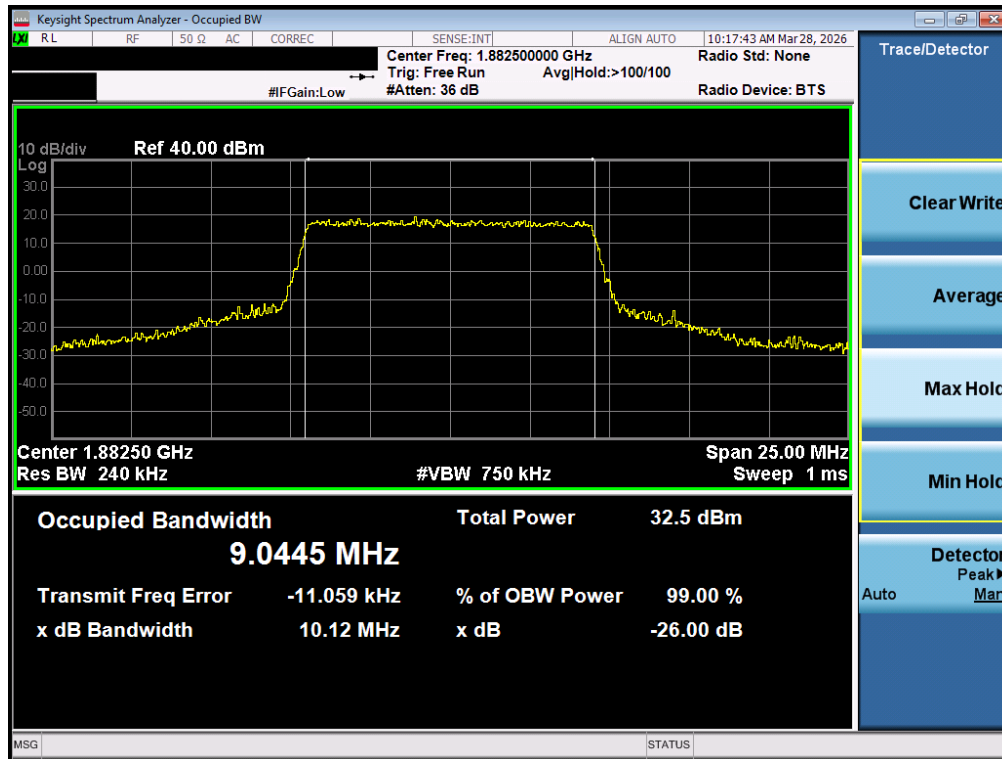


Plot 7-5. Occupied Bandwidth Plot (LTE Band 25/2 - 15MHz QPSK - Full RB - Ant1)

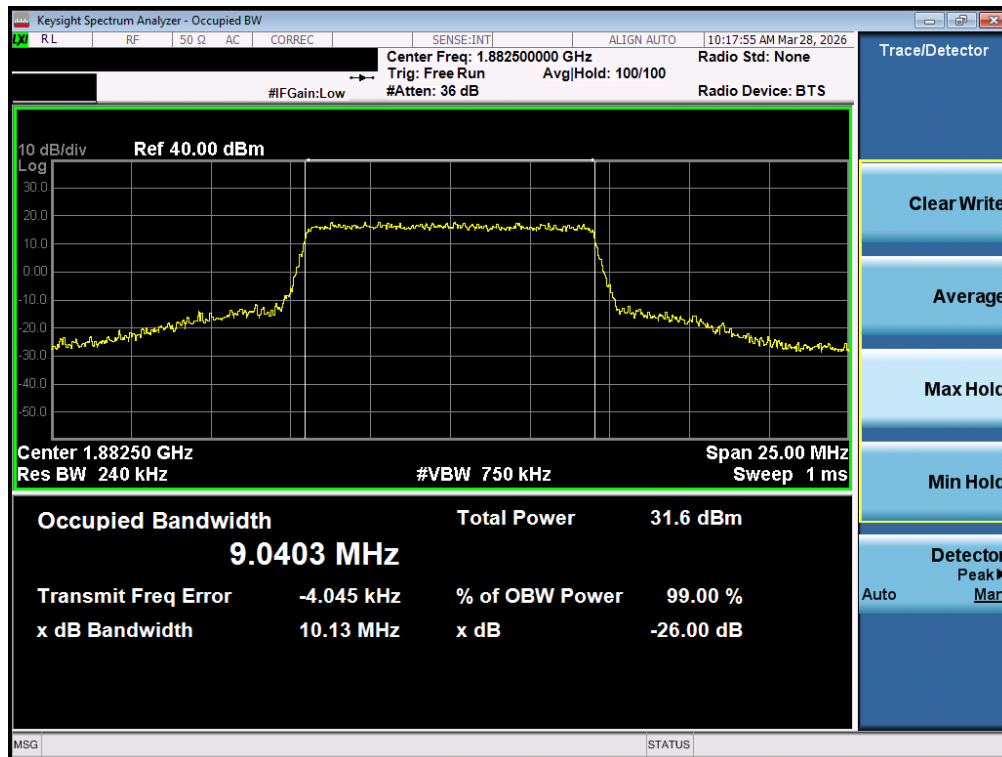


Plot 7-6. Occupied Bandwidth Plot (LTE Band 25/2 - 15MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 19 of 85

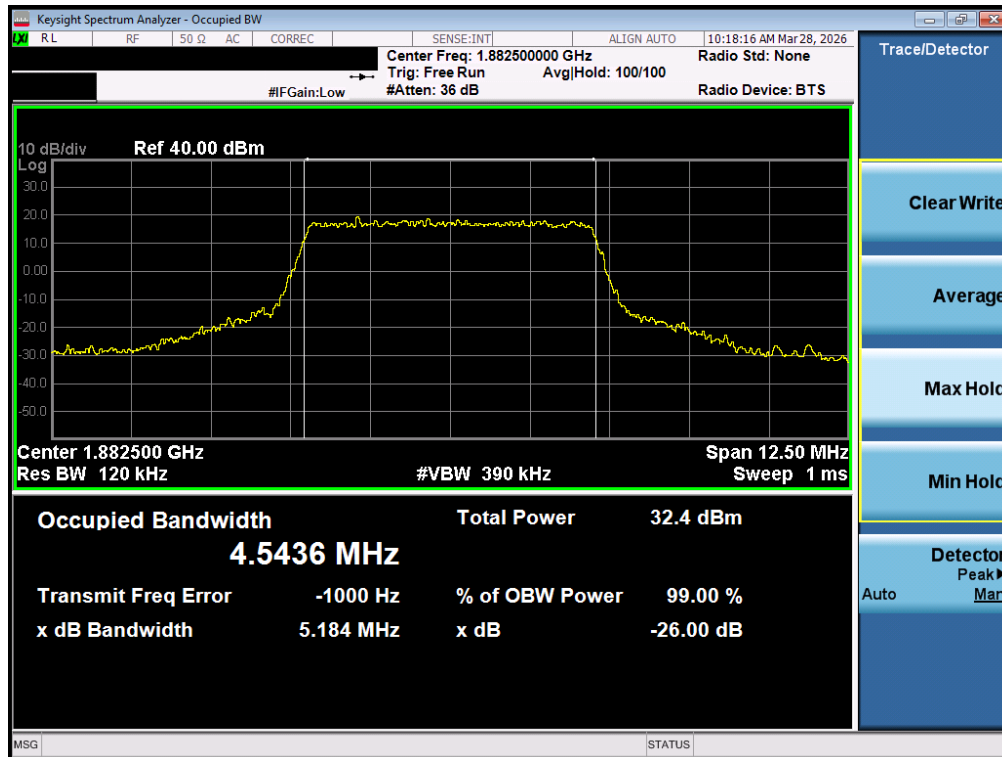


Plot 7-7. Occupied Bandwidth Plot (LTE Band 25/2 - 10MHz QPSK - Full RB - Ant1)

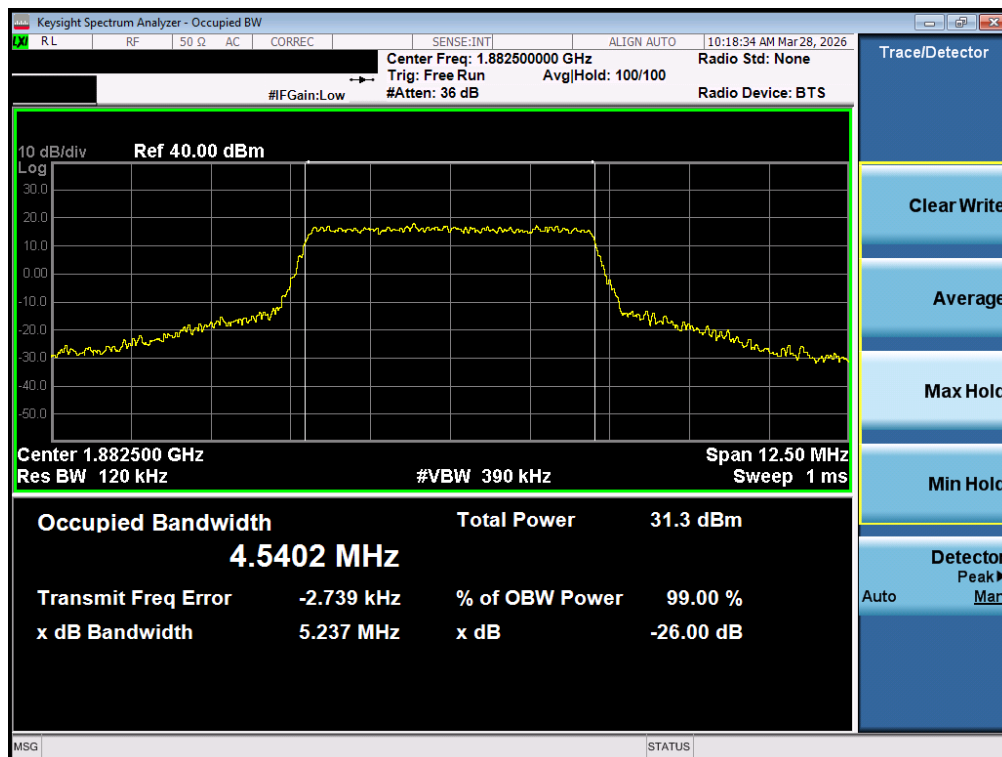


Plot 7-8. Occupied Bandwidth Plot (LTE Band 25/2 - 10MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 20 of 85

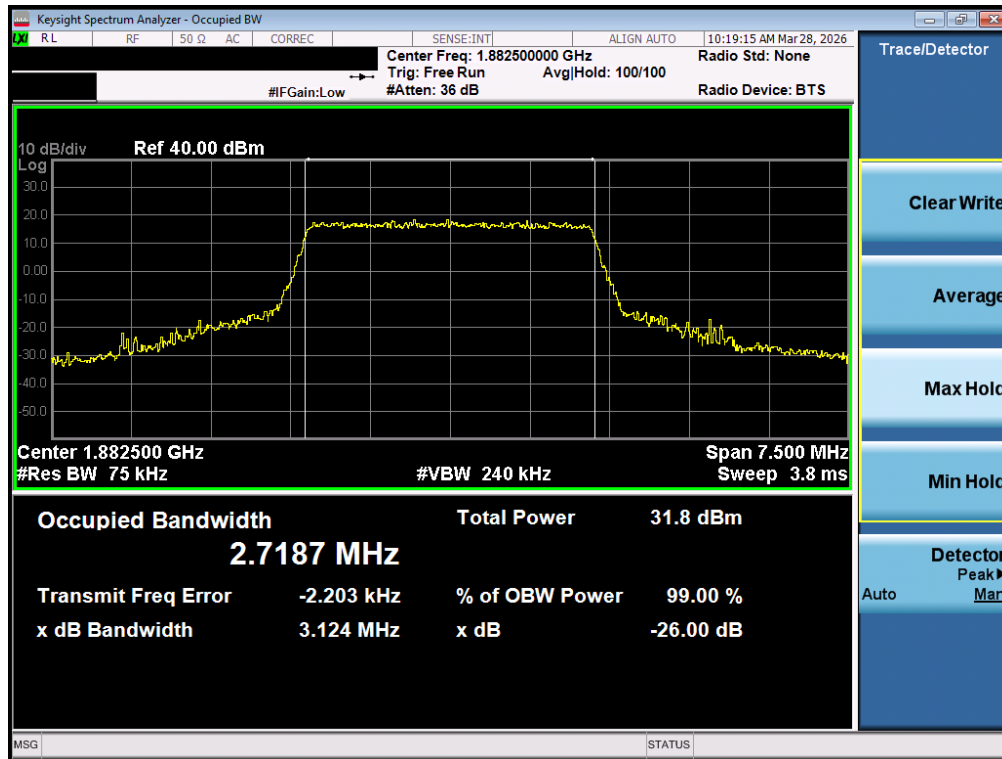


Plot 7-9. Occupied Bandwidth Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - Ant1)

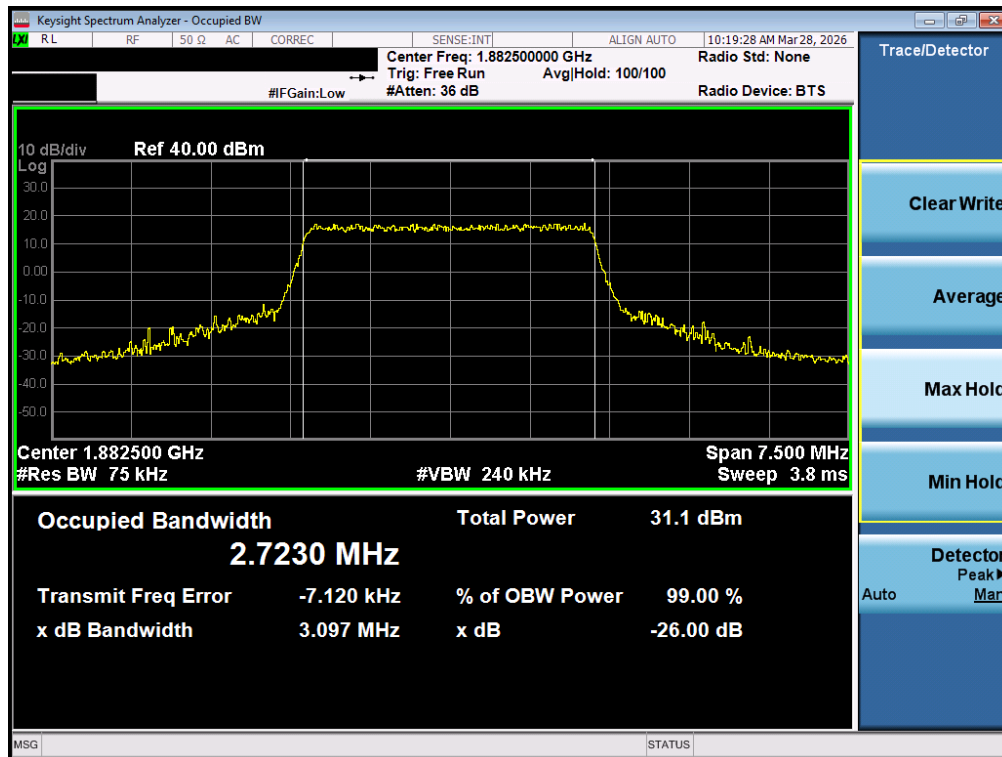


Plot 7-10. Occupied Bandwidth Plot (LTE Band 25/2 - 5MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 21 of 85

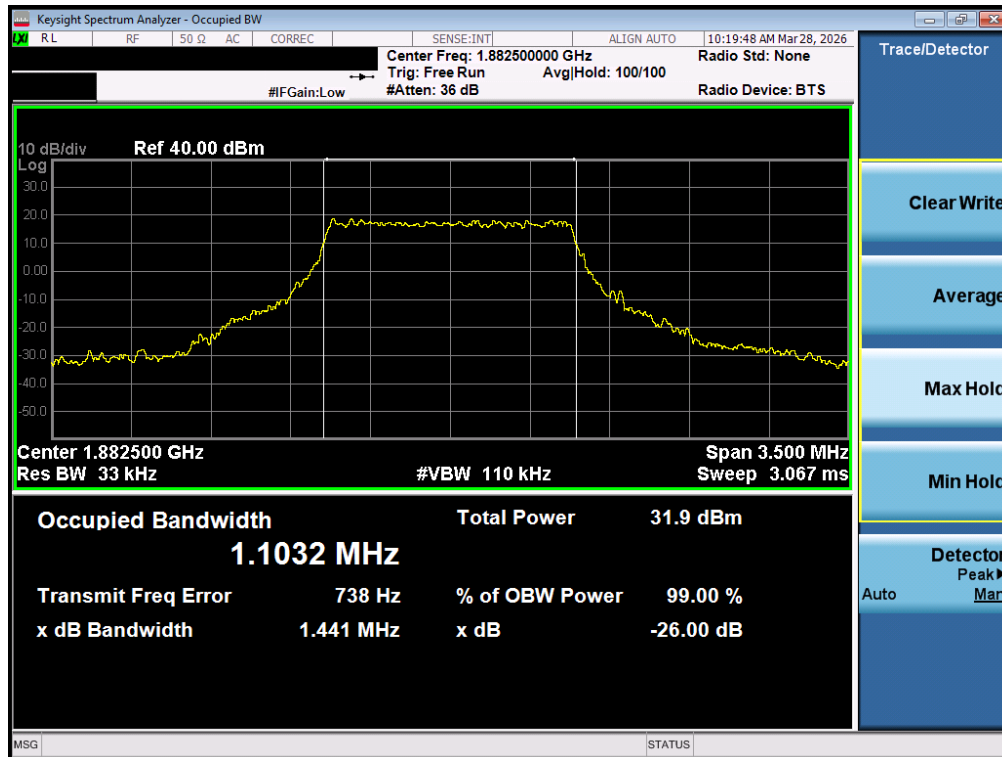


Plot 7-11. Occupied Bandwidth Plot (LTE Band 25/2 - 3MHz QPSK - Full RB - Ant1)



Plot 7-12. Occupied Bandwidth Plot (LTE Band 25/2 - 3MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 22 of 85



Plot 7-13. Occupied Bandwidth Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB - Ant1)



Plot 7-14. Occupied Bandwidth Plot (LTE Band 25/2 - 1.4MHz 16-QAM - Full RB - Ant1)

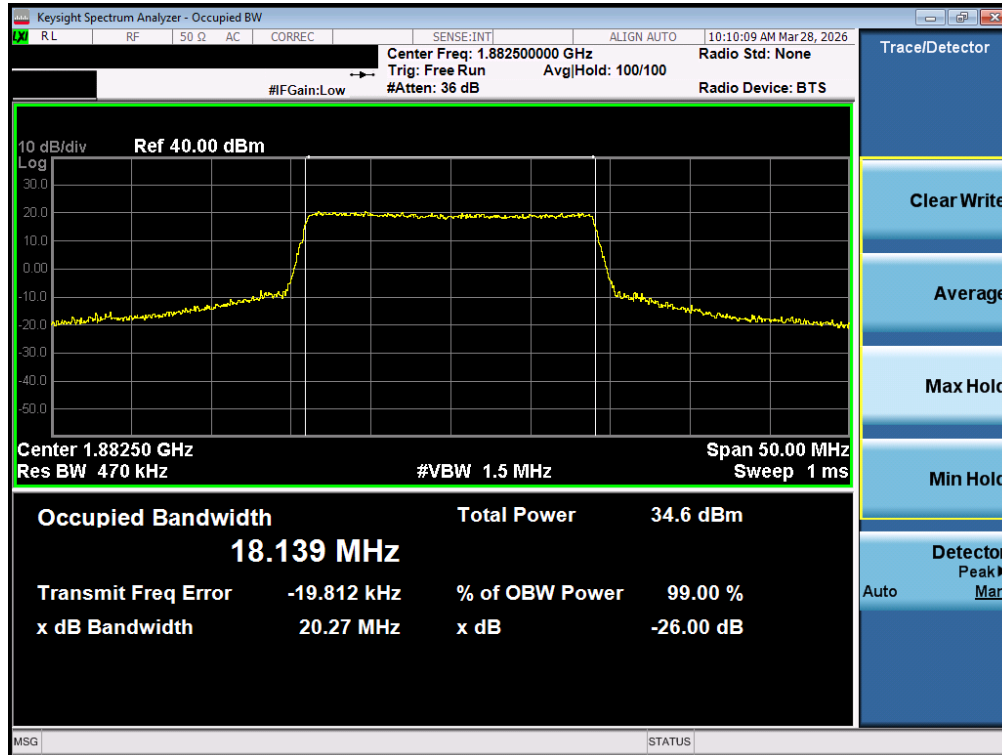
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 23 of 85

Mode	Bandwidth	Modulation	OBW [MHz]
LTE-B25-2	20 MHz	QPSK	18.14
		16QAM	18.12
	15 MHz	QPSK	13.57
		16QAM	13.55
	10 MHz	QPSK	9.05
		16QAM	9.06
	5 MHz	QPSK	4.54
		16QAM	4.54
	3 MHz	QPSK	2.73
		16QAM	2.73
	1.4 MHz	QPSK	1.10
		16QAM	1.13

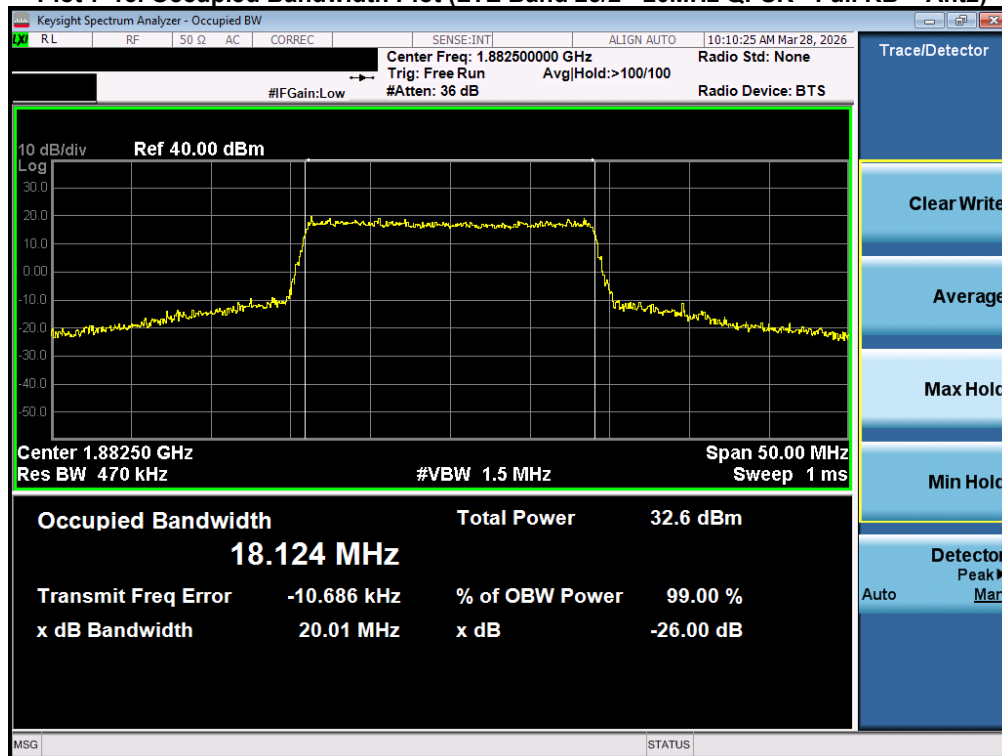
Table 7-5. Occupied Bandwidth Results – Ant2

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 85

LTE Band 25/2 – Ant2

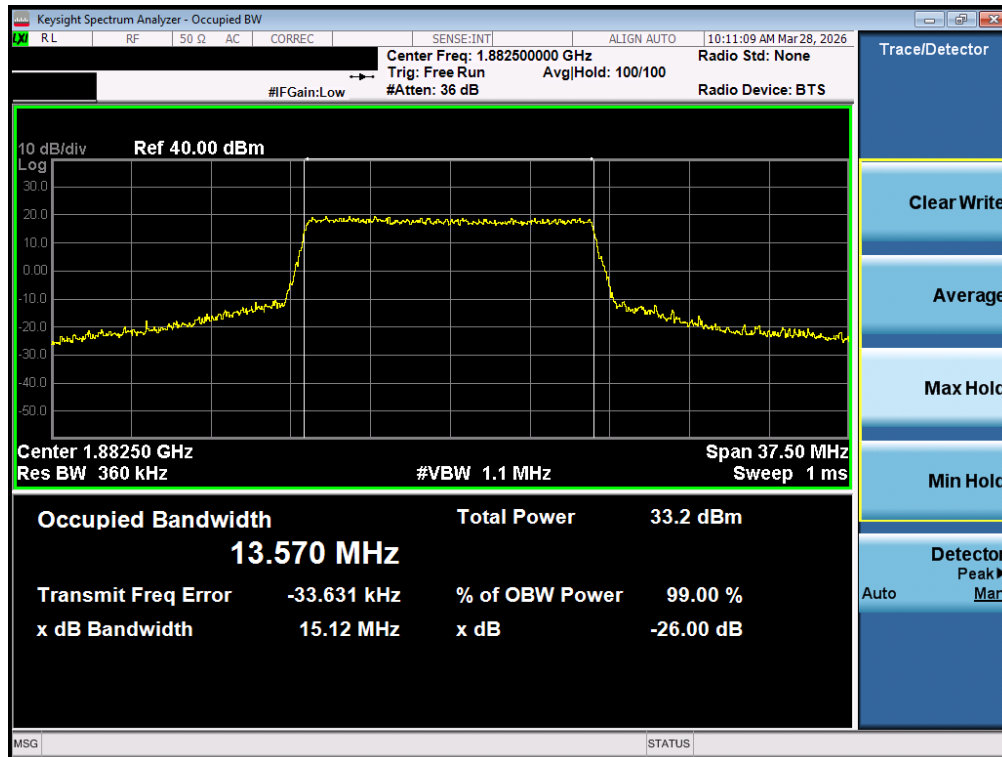


Plot 7-15. Occupied Bandwidth Plot (LTE Band 25/2 - 20MHz QPSK - Full RB – Ant2)

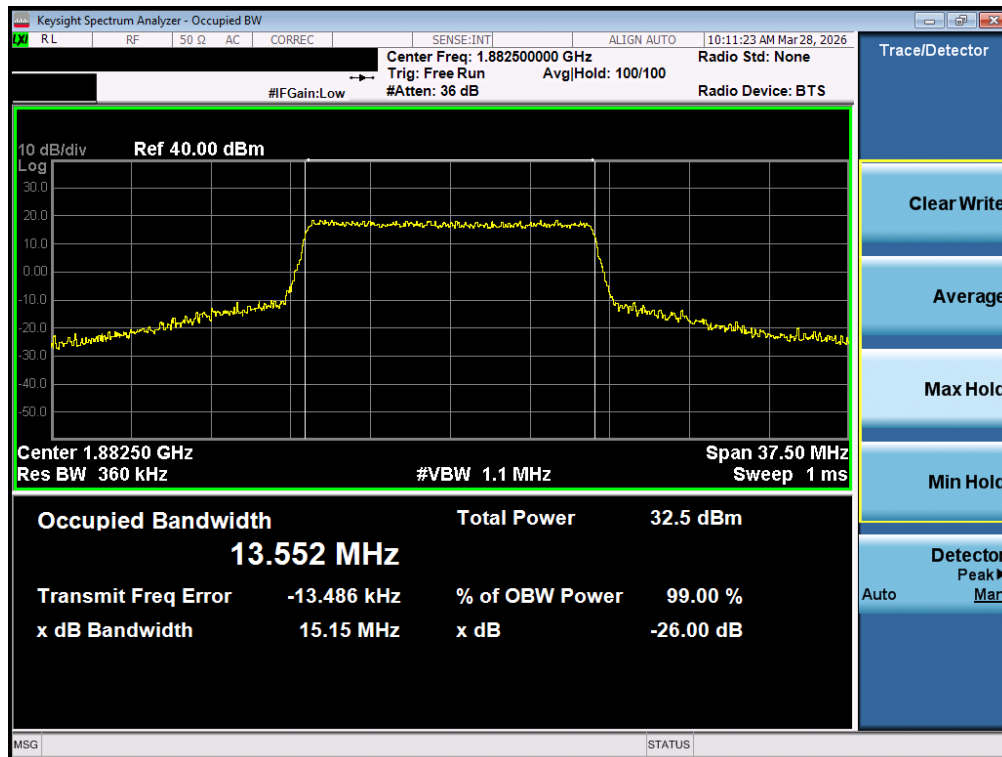


Plot 7-16. Occupied Bandwidth Plot (LTE Band 25/2 - 20MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 85

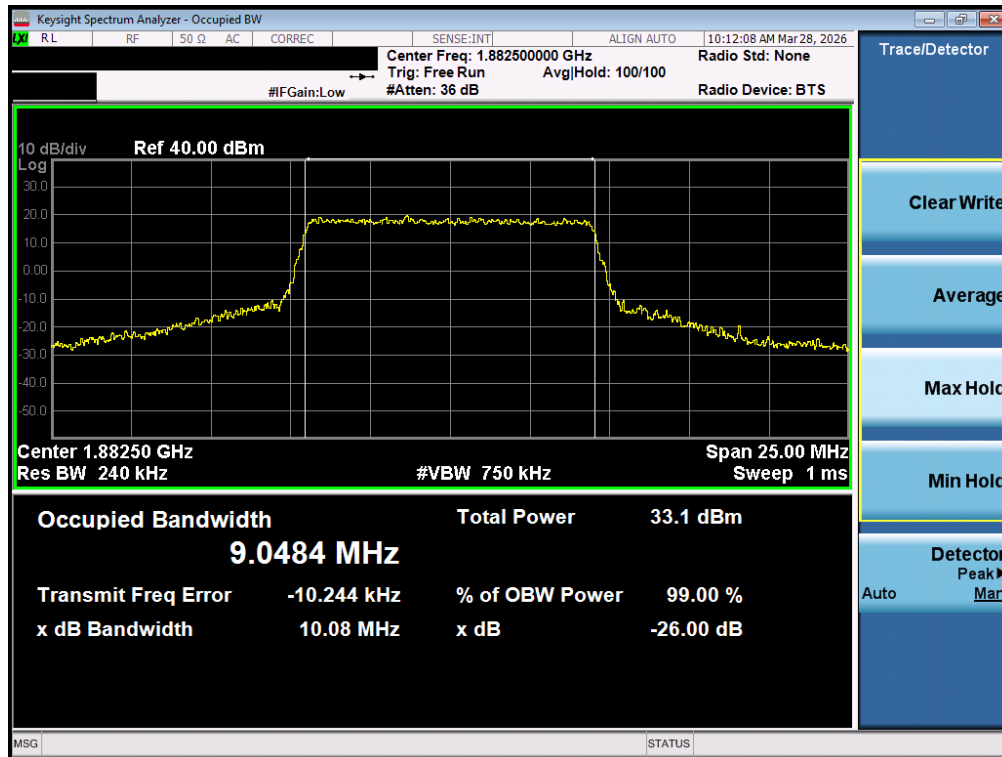


Plot 7-17. Occupied Bandwidth Plot (LTE Band 25/2 - 15MHz QPSK - Full RB – Ant2)

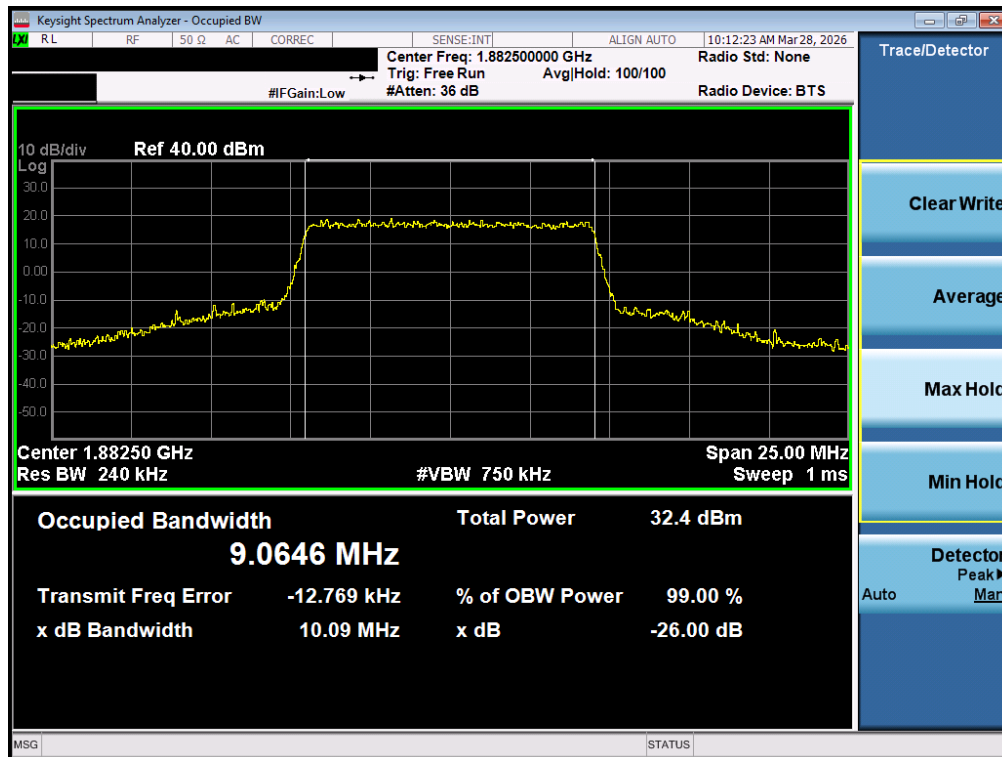


Plot 7-18. Occupied Bandwidth Plot (LTE Band 25/2 - 15MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 85

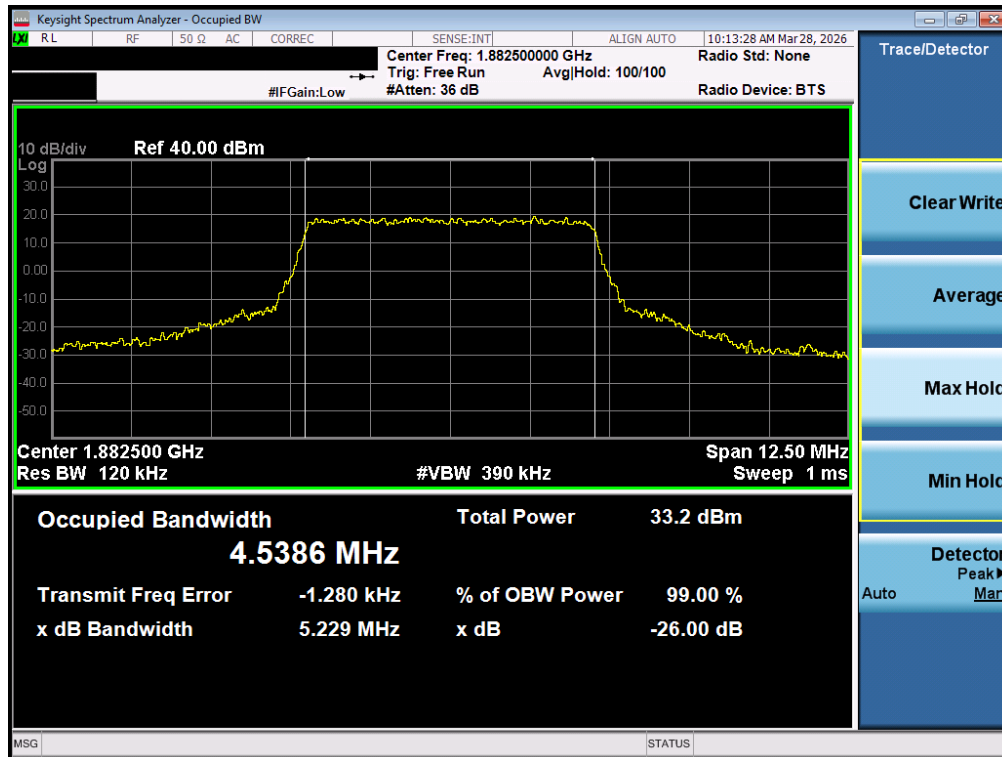


Plot 7-19. Occupied Bandwidth Plot (LTE Band 25/2 - 10MHz QPSK - Full RB – Ant2)

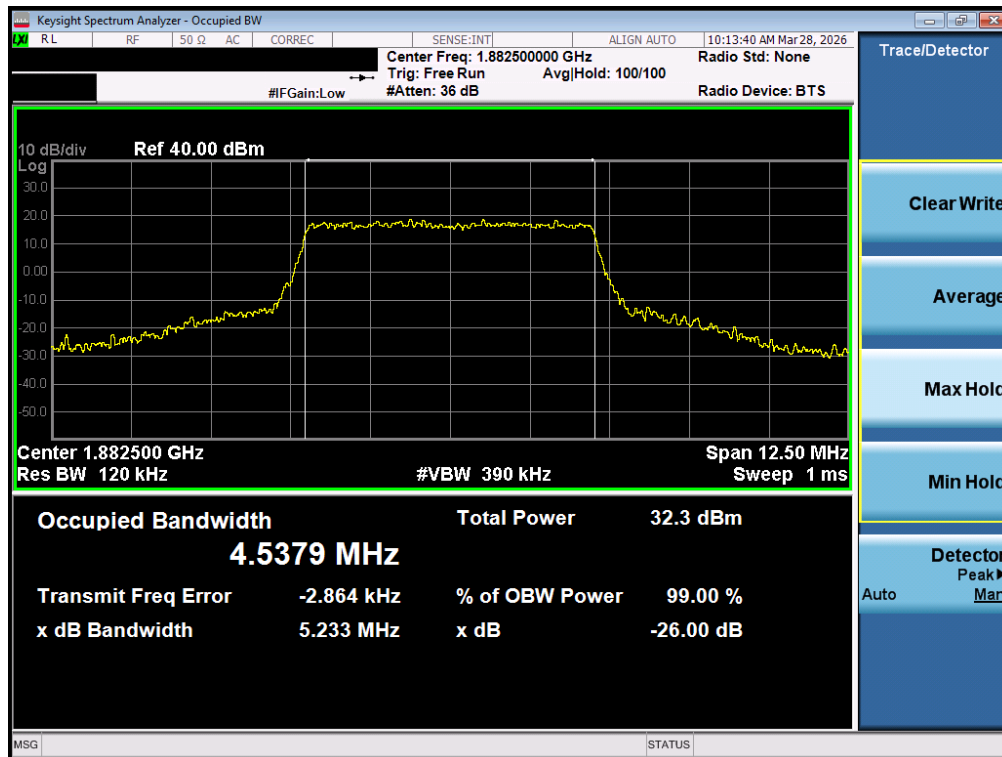


Plot 7-20. Occupied Bandwidth Plot (LTE Band 25/2 - 10MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 27 of 85

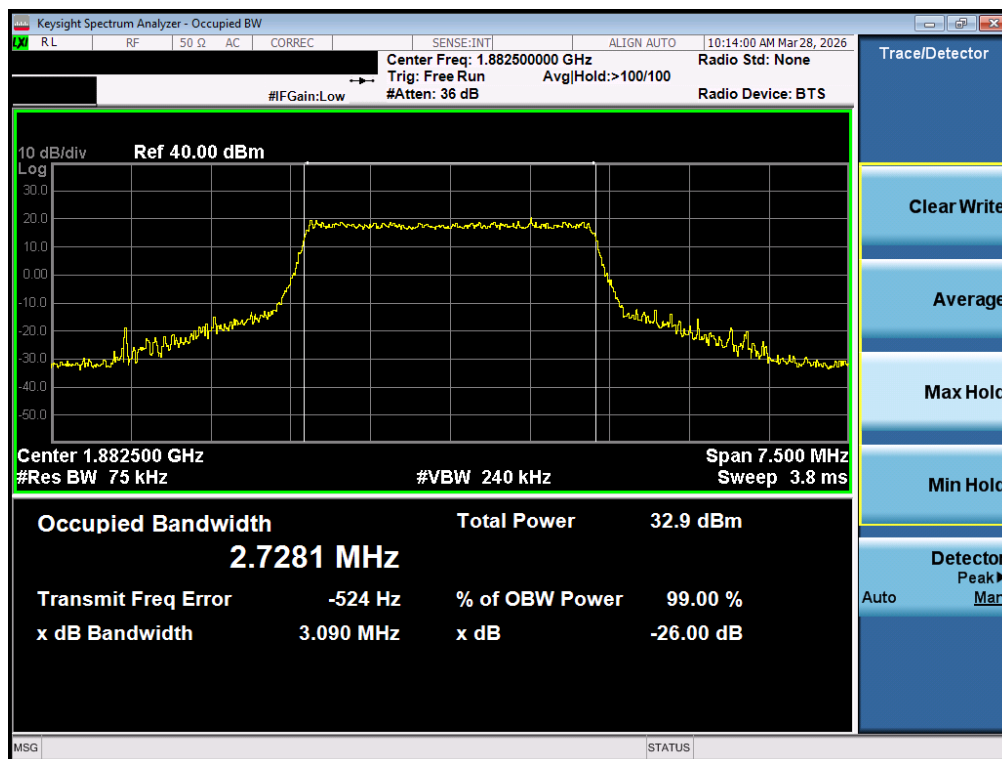


Plot 7-21. Occupied Bandwidth Plot (LTE Band 25/2 - 5MHz QPSK - Full RB – Ant2)

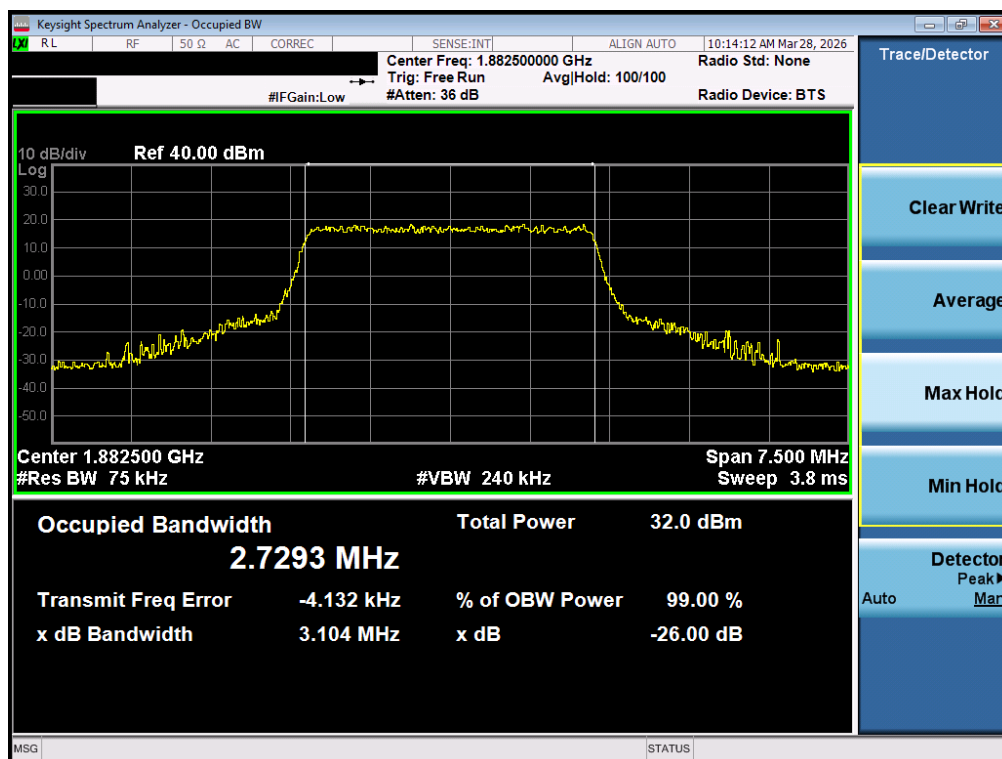


Plot 7-22. Occupied Bandwidth Plot (LTE Band 25/2 - 5MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 28 of 85

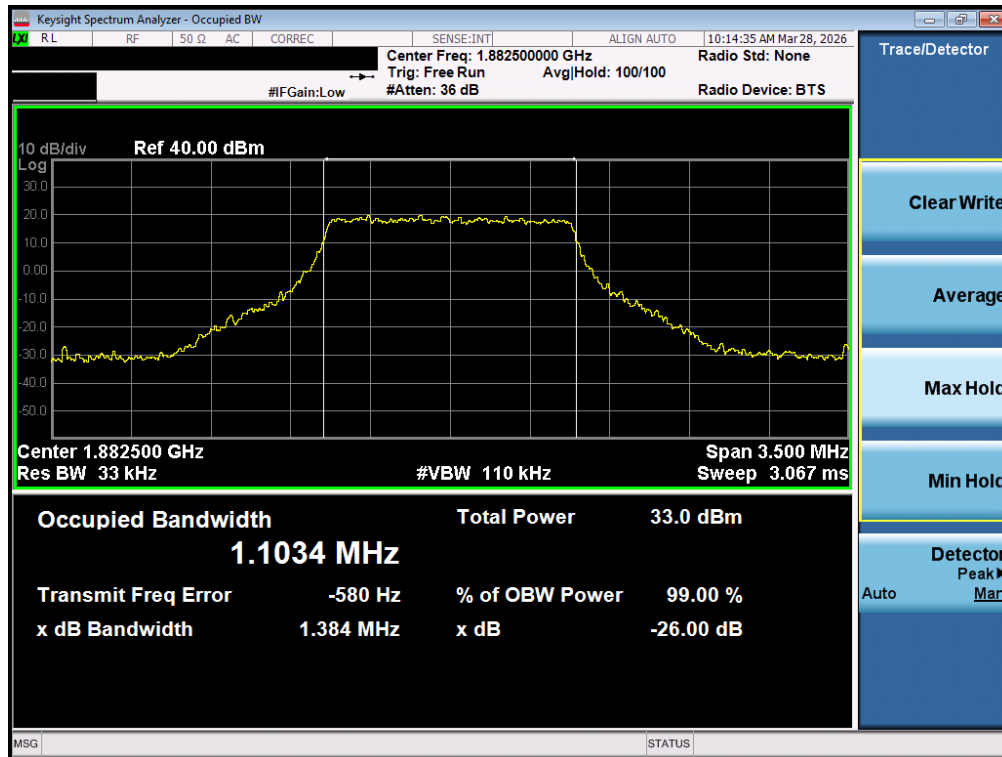


Plot 7-23. Occupied Bandwidth Plot (LTE Band 25/2 - 3MHz QPSK - Full RB – Ant2)

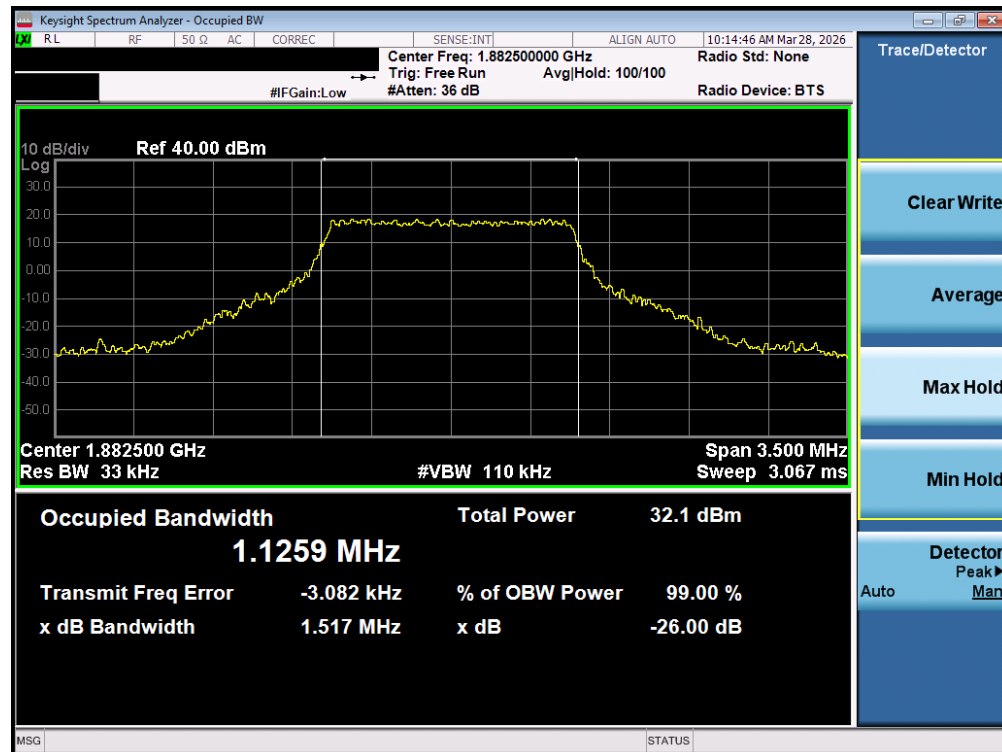


Plot 7-24. Occupied Bandwidth Plot (LTE Band 25/2 - 3MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 29 of 85



Plot 7-25. Occupied Bandwidth Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB – Ant2)



Plot 7-26. Occupied Bandwidth Plot (LTE Band 25/2 - 1.4MHz 16-QAM - Full RB – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 30 of 85

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 $43 + 10 \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

Test Procedure Used

ANSI C63.26:2015 – Section 5.7.4

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 20GHz (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.

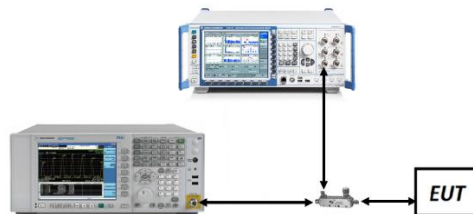


Figure 7-3. Test Instrument & Measurement Setup

Test Notes

1. Per Part 24 and RSS-133, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz.

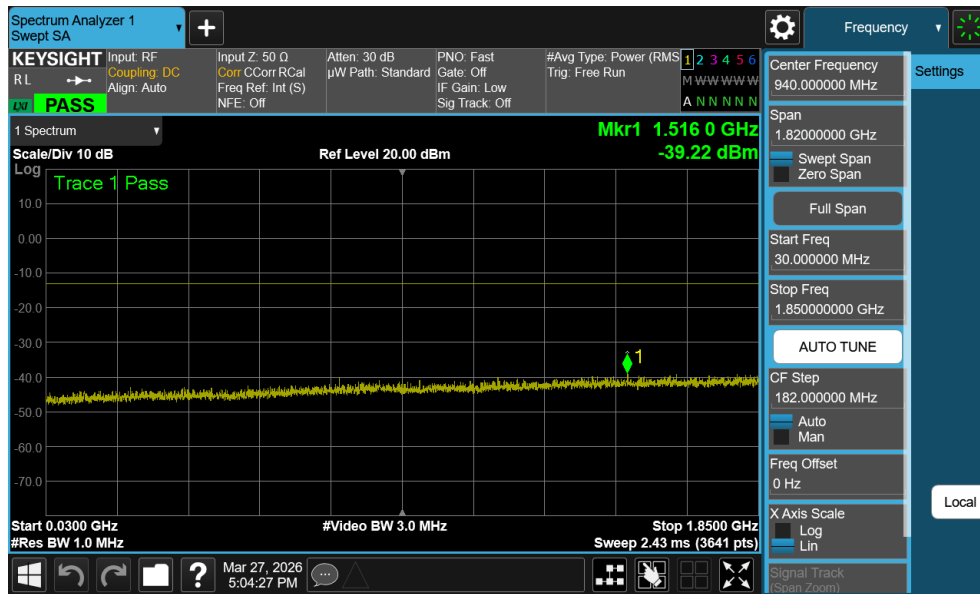
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 31 of 85

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-PCS	250 kHz	Low	30.0 - 1845.0	-38.81	-13.0	-25.81
		Low	1910.0 - 10000.0	-31.23	-13.0	-18.23
		Low	10000.0 - 20000.0	-44.53	-13.0	-31.53
		Mid	30.0 - 1850.0	-39.22	-13.0	-26.22
		Mid	1910.0 - 10000.0	-31.12	-13.0	-18.12
		Mid	10000.0 - 20000.0	-43.92	-13.0	-30.92
		High	30.0 - 1850.0	-39.11	-13.0	-26.11
		High	1915.0 - 10000.0	-31.65	-13.0	-18.65
		High	10000.0 - 20000.0	-44.11	-13.0	-31.11
LTE-B25-2	20 MHz	Low	30.0 - 1849.0	-60.04	-13.0	-47.04
		Low	1915.0 - 10000.0	-54.25	-13.0	-41.25
		Low	10000.0 - 20000.0	-52.01	-13.0	-39.01
		Mid	30.0 - 1850.0	-60.69	-13.0	-47.69
		Mid	1915.0 - 10000.0	-54.48	-13.0	-41.48
		Mid	10000.0 - 20000.0	-52.09	-13.0	-39.09
		High	30.0 - 1850.0	-60.25	-13.0	-47.25
		High	1915.0 - 10000.0	-54.33	-13.0	-41.33
		High	10000.0 - 20000.0	-52.37	-13.0	-39.37

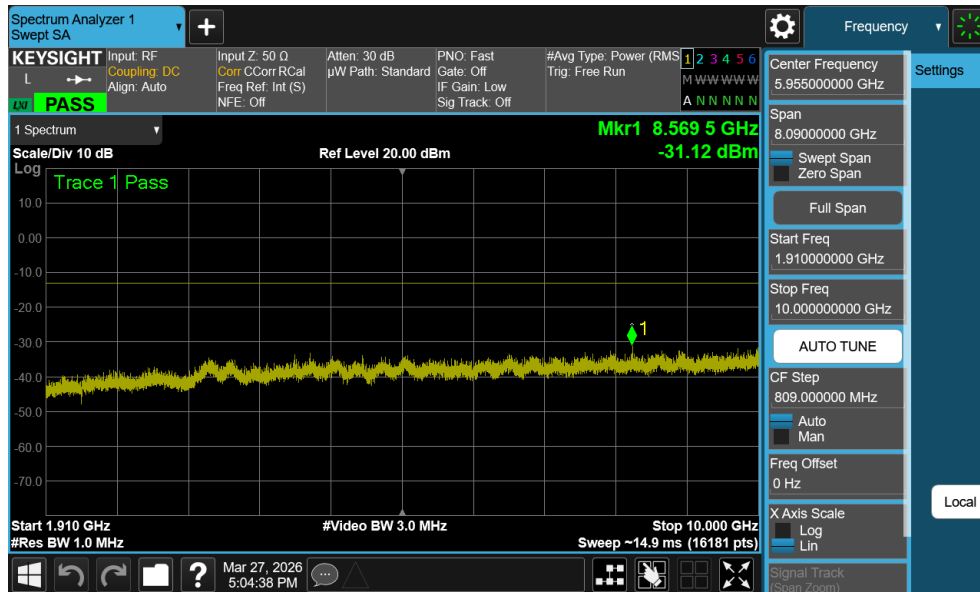
Table 7-6. Conducted Spurious Emissions Results – Ant1

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 32 of 85

GSM/GPRS PCS – Ant1

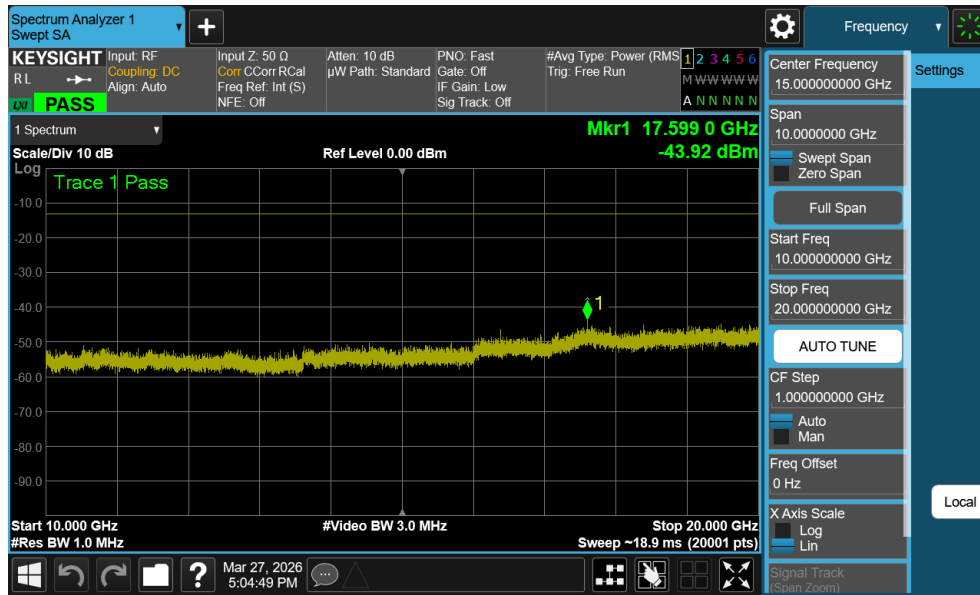


Plot 7-27. Conducted Spurious Plot (GPRS - Mid Channel – Ant1)



Plot 7-28. Conducted Spurious Plot (GPRS - Mid Channel – Ant1)

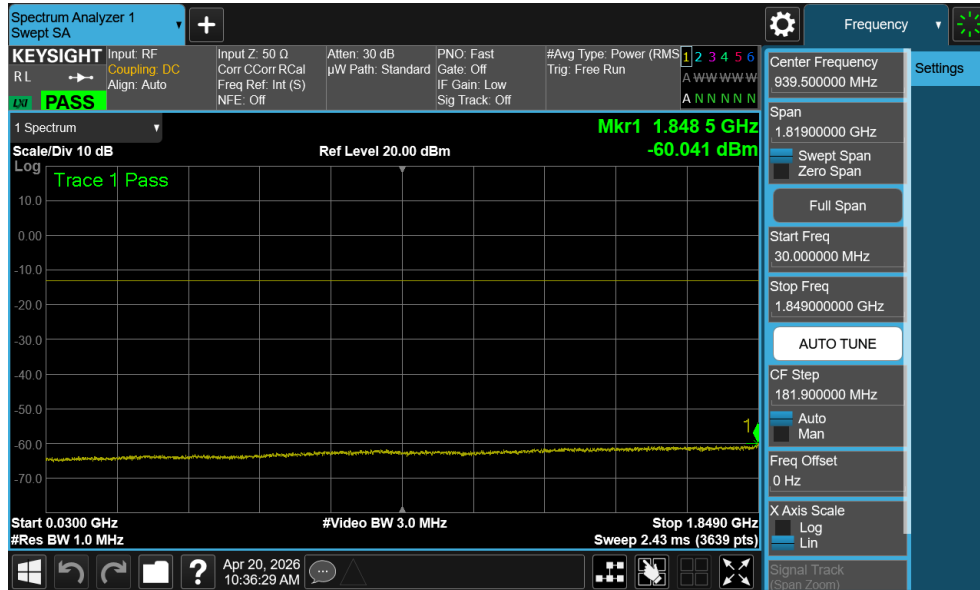
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 33 of 85



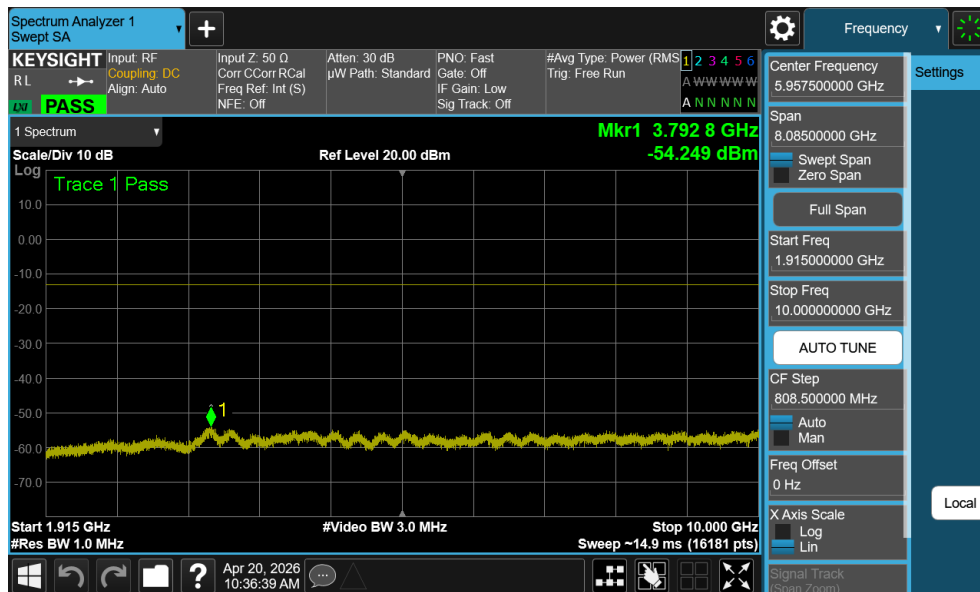
Plot 7-29. Conducted Spurious Plot (GPRS – Mid Channel – Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 85

LTE Band 25/2 – Ant1

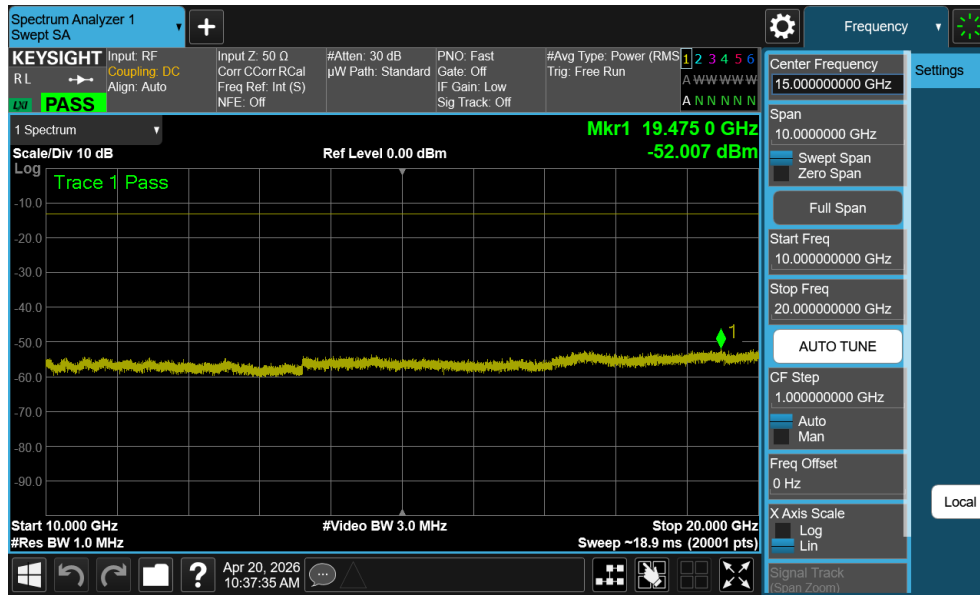


Plot 7-30. Conducted Spurious Plot (LTE Band 25/2 - 20MHz QPSK - 1RB - Low Channel - Ant1)



Plot 7-31. Conducted Spurious Plot (LTE Band 25/2 - 20MHz QPSK - 1RB - Low Channel - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 85



Plot 7-32. Conducted Spurious Plot (LTE Band 25/2 - 20MHz QPSK - 1RB - Low Channel - Ant1)

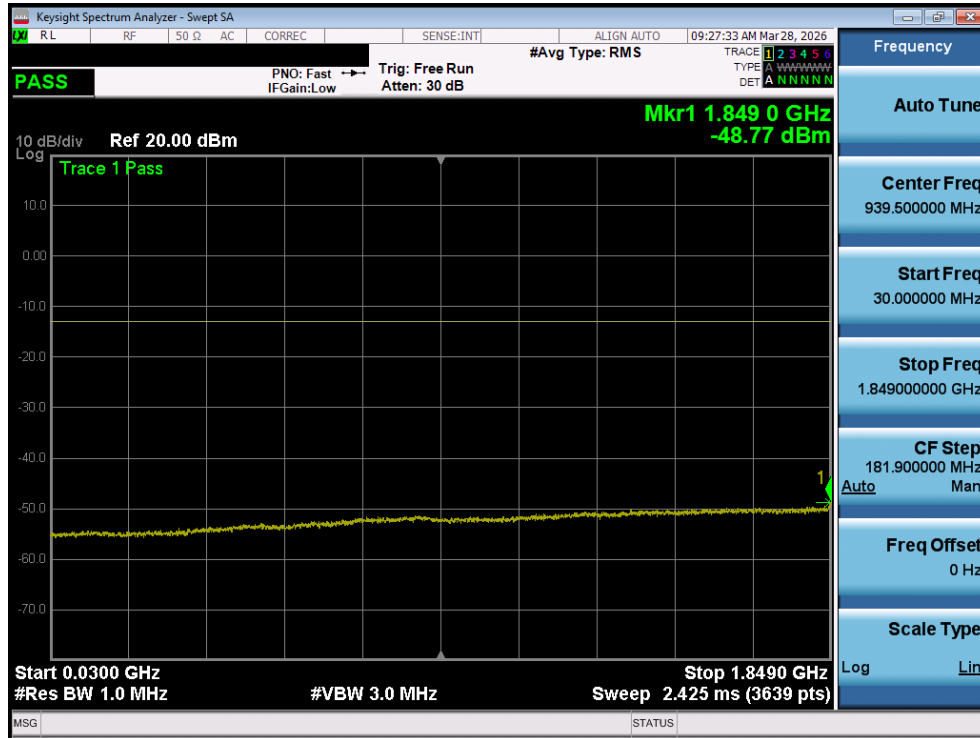
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 36 of 85

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B25-2	20 MHz	Low	30.0 - 1849.0	-48.77	-13.0	-35.77
		Low	1915.0 - 10000.0	-43.21	-13.0	-30.21
		Low	10000.0 - 20000.0	-55.61	-13.0	-42.61
		Mid	30.0 - 1850.0	-49.56	-13.0	-36.56
		Mid	1915.0 - 10000.0	-42.74	-13.0	-29.74
		Mid	10000.0 - 20000.0	-55.63	-13.0	-42.63
		High	30.0 - 1850.0	-49.58	-13.0	-36.58
		High	1915.0 - 10000.0	-42.37	-13.0	-29.37
		High	10000.0 - 20000.0	-55.52	-13.0	-42.52

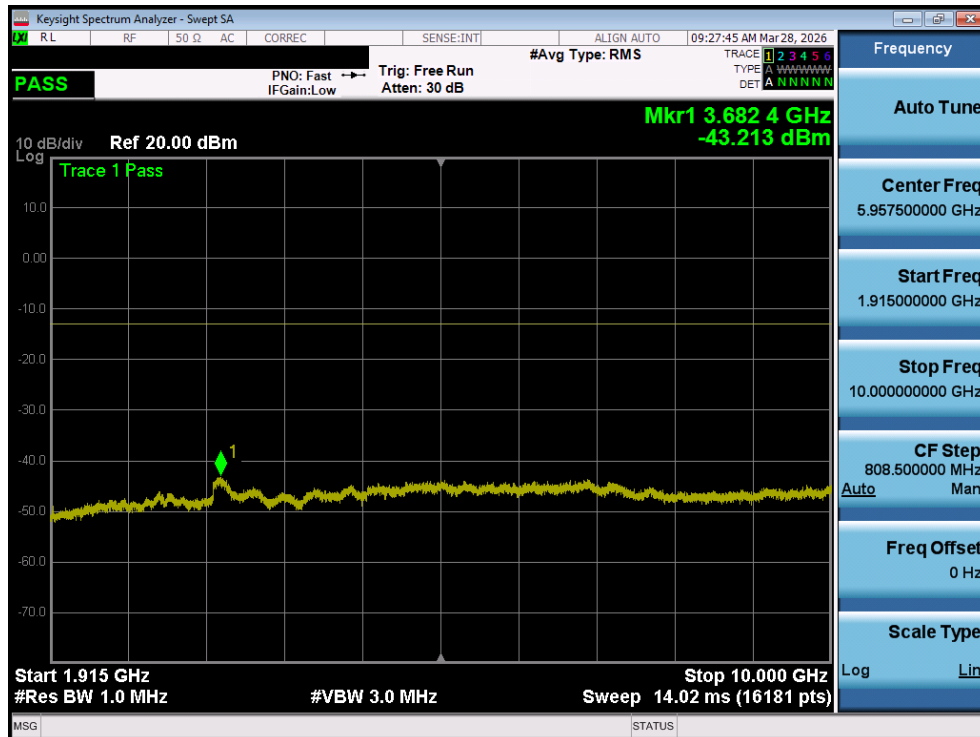
Table 7-7. Conducted Spurious Emissions Results – Ant2

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 37 of 85

LTE Band 25/2 – Ant2

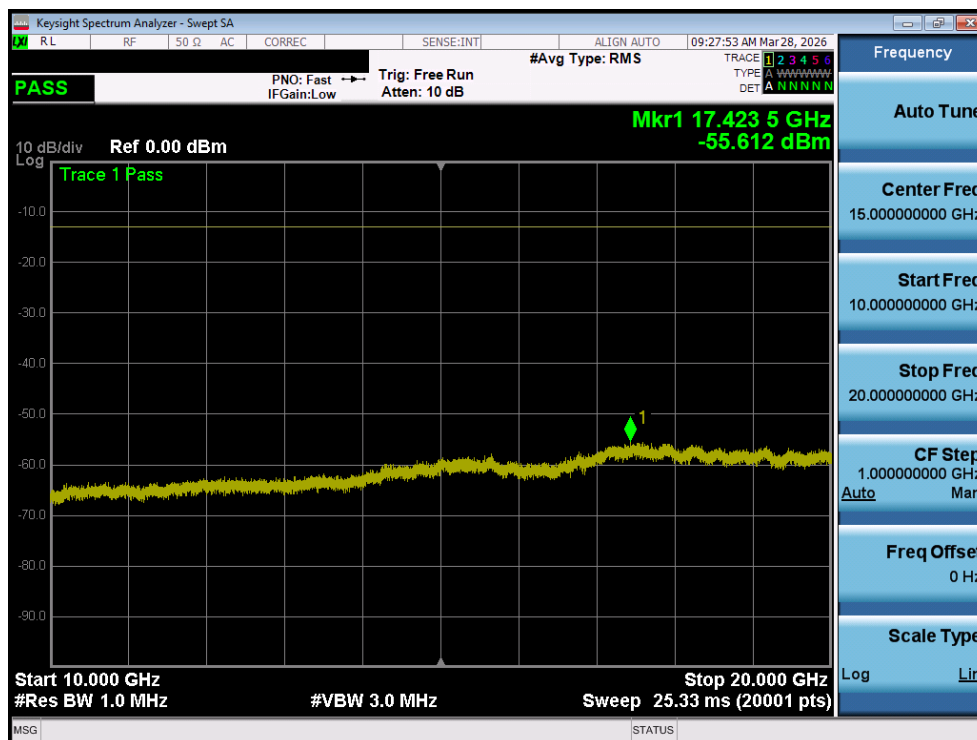


Plot 7-33. Conducted Spurious Plot (LTE Band 25/2 - 20MHz QPSK - 1RB - Low Channel – Ant2)



Plot 7-34. Conducted Spurious Plot (LTE Band 25/2 - 20MHz QPSK - 1RB - Low Channel – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 38 of 85



Plot 7-35. Conducted Spurious Plot (LTE Band 25/2 - 20MHz QPSK - 1RB - Low Channel – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 39 of 85

7.5 Band Edge Emissions at Antenna Terminal

Test Overview

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 5.7.3

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. $RBW \geq 1\%$ of the emission bandwidth
4. $VBW \geq 3 \times RBW$
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span}/RBW$
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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

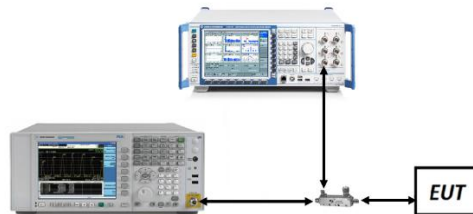


Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. Per 24.238(b) and RSS-133(6.5), 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 to demonstrate compliance with the out-of-band emissions limit. 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.

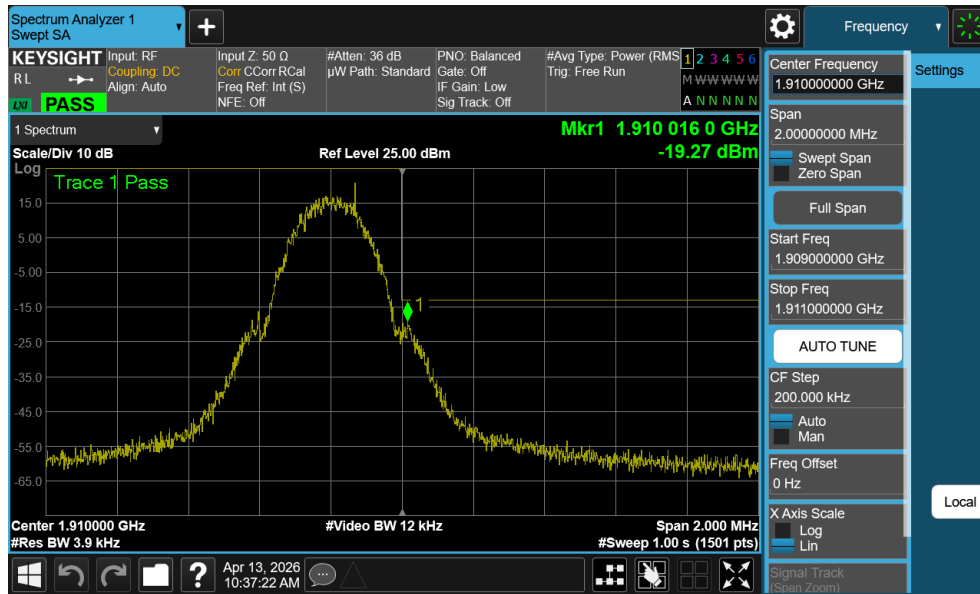
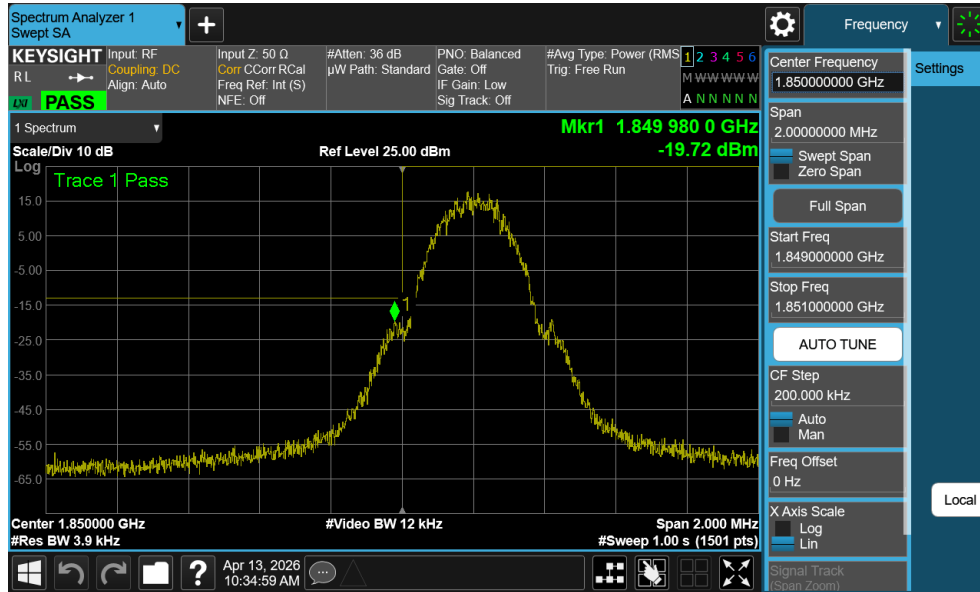
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 40 of 85

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-PCS	250k Hz	Low	Band Edge	-19.72	-13.0	-6.72
		High	Band Edge	-19.27	-13.0	-6.27
LTE-B25-2	20 MHz	Low	Band Edge	-27.54	-13.0	-14.54
		Low	Extended	-22.46	-13.0	-9.46
		High LB2	Band Edge	-28.87	-13.0	-15.87
		High LB25	Band Edge	-28.12	-13.0	-15.12
		High LB2	Extended	-23.71	-13.0	-10.71
		High LB25	Extended	-22.19	-13.0	-9.18
		High LB25	Extended	-22.19	-13.0	-9.18
	15 MHz	Low	Band Edge	-27.22	-13.0	-14.22
		Low	Extended	-20.69	-13.0	-7.69
		High LB2	Band Edge	-26.75	-13.0	-13.75
		High LB25	Band Edge	-26.09	-13.0	-13.09
		High LB2	Extended	-21.41	-13.0	-8.41
		High LB25	Extended	-20.60	-13.0	-7.60
	10 MHz	Low	Band Edge	-27.75	-13.0	-14.74
		Low	Extended	-20.89	-13.0	-7.89
		High LB2	Band Edge	-27.76	-13.0	-14.76
		High LB25	Band Edge	-26.34	-13.0	-13.34
		High LB2	Extended	-20.13	-13.0	-7.13
		High LB25	Extended	-20.84	-13.0	-7.84
	5 MHz	Low	Band Edge	-24.26	-13.0	-11.26
		Low	Extended	-27.10	-13.0	-14.10
		High LB2	Band Edge	-23.39	-13.0	-10.39
		High LB25	Band Edge	-23.77	-13.0	-10.77
		High LB2	Extended	-26.64	-13.0	-13.64
		High LB25	Extended	-25.07	-13.0	-12.07
	3 MHz	Low	Band Edge	-23.86	-13.0	-10.86
		Low	Extended	-27.73	-13.0	-14.73
		High LB2	Band Edge	-23.30	-13.0	-10.30
		High LB25	Band Edge	-22.05	-13.0	-9.05
		High LB2	Extended	-24.29	-13.0	-11.29
		High LB25	Extended	-19.12	-13.0	-6.12
	1.4 MHz	Low	Band Edge	-23.70	-13.0	-10.70
		Low	Extended	-28.57	-13.0	-15.57
		High LB2	Band Edge	-21.86	-13.0	-8.86
		High LB25	Band Edge	-22.04	-13.0	-9.04
		High LB2	Extended	-28.83	-13.0	-15.83
		High LB25	Extended	-27.82	-13.0	-14.82

Table 7-8. Conducted Band Edge Results – Ant1

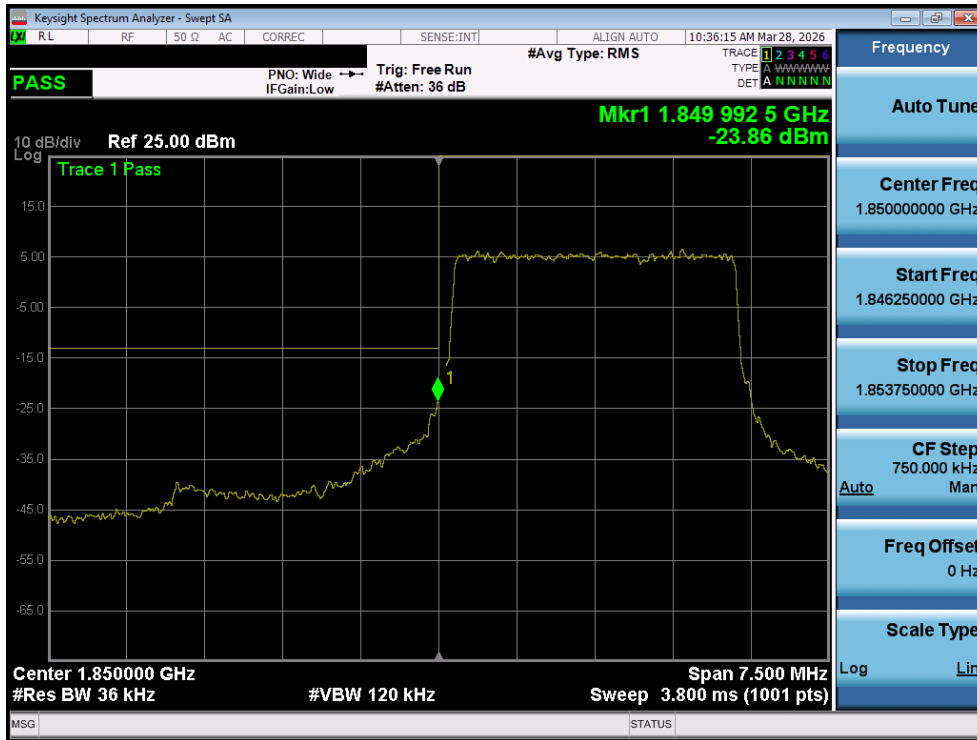
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 41 of 85

GSM/GPRS PCS – Ant1

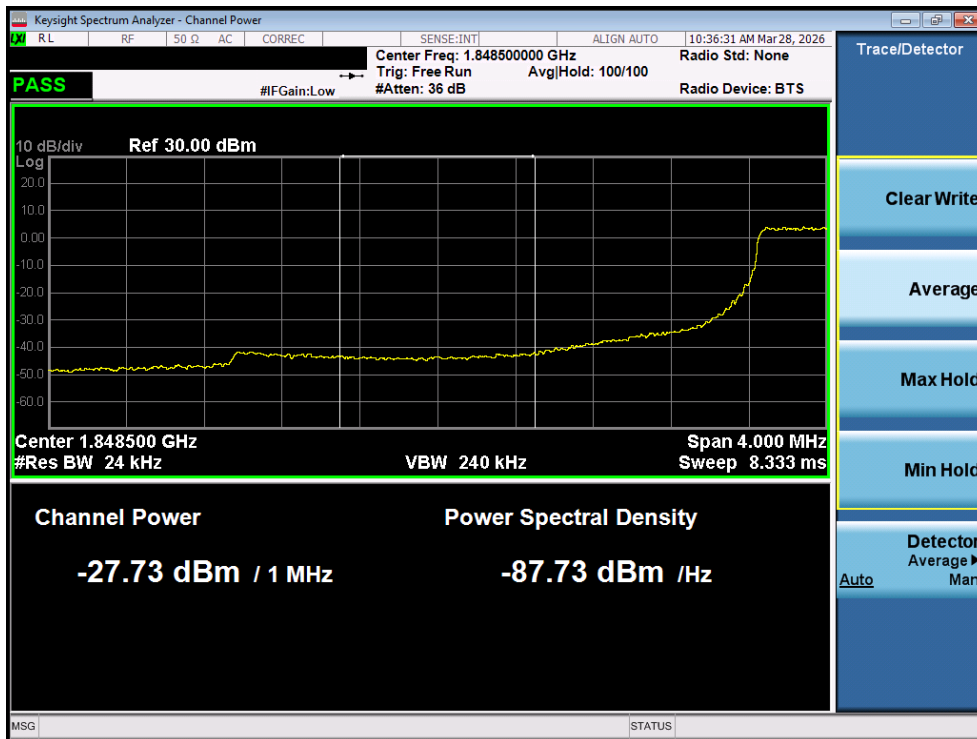


FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 42 of 85

LTE Band 25/2 – Ant1



Plot 7-38. Lower Band Edge Plot (LTE Band 25/2 – 3MHz QPSK – Full RB - Ant1)

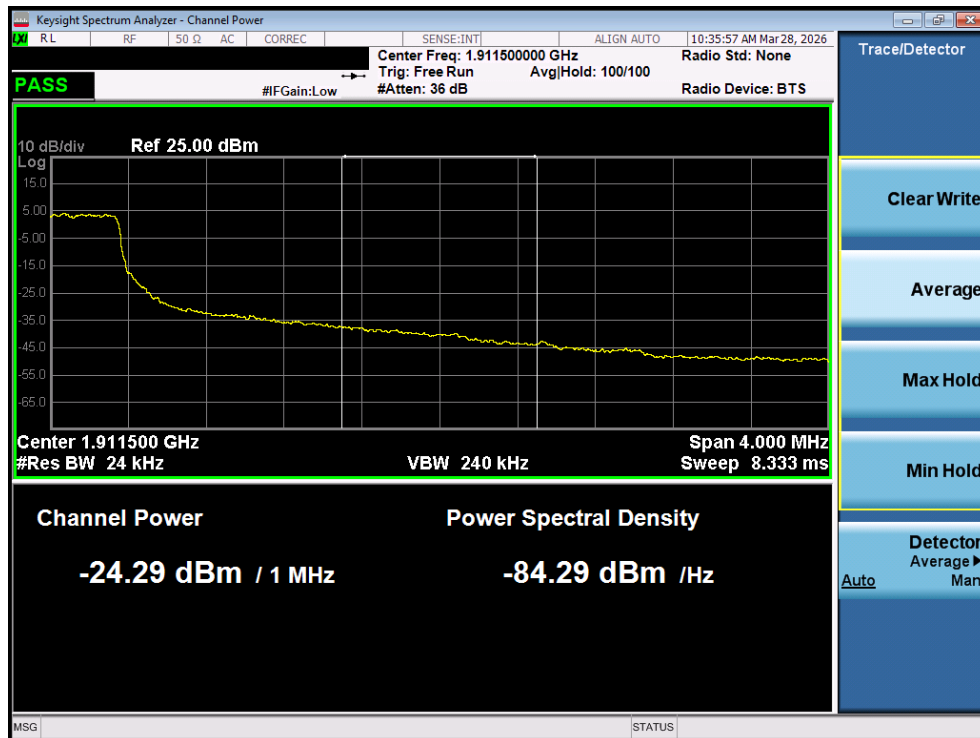


Plot 7-39. Extended Lower Band Edge Plot (LTE Band 25/2 – 3MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 85



Plot 7-40. Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK - Full RB - Ant1)

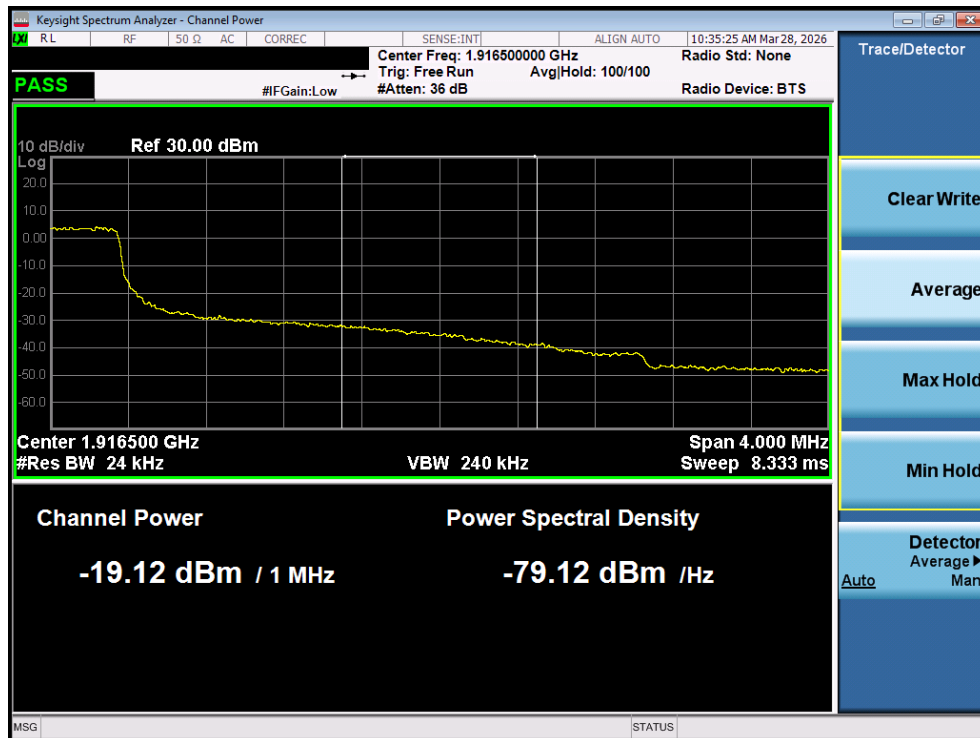


Plot 7-41. Extended Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 85



Plot 7-42. Upper Band Edge Plot (LTE Band 25 – 3MHz QPSK – Full RB - Ant1)



Plot 7-43. Extended Upper Band Edge Plot (LTE Band 25 – 3MHz QPSK – Full RB - Ant1)

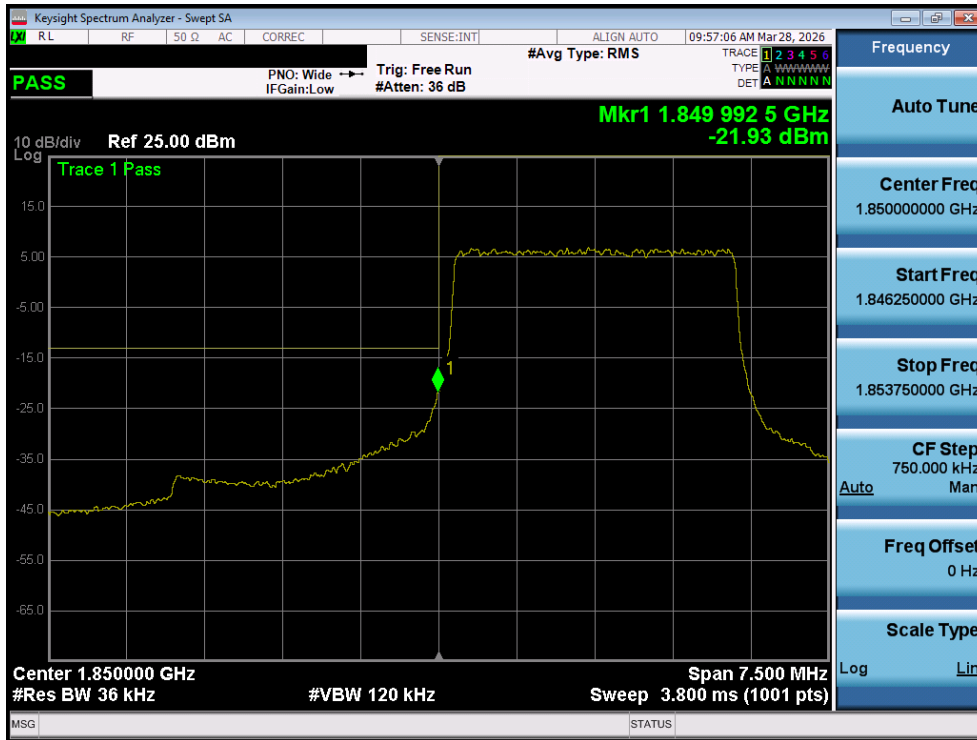
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 45 of 85

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B25-2	20 MHz	Low	Band Edge	-27.24	-13.0	-14.24
		Low	Extended	-22.82	-13.0	-9.82
		High LB2	Band Edge	-27.54	-13.0	-14.54
		High LB25	Band Edge	-27.07	-13.0	-14.07
		High LB2	Extended	-22.30	-13.0	-9.30
		High LB25	Extended	-21.33	-13.0	-8.33
	15 MHz	Low	Band Edge	-27.32	-13.0	-14.32
		Low	Extended	-20.48	-13.0	-7.48
		High LB2	Band Edge	-25.06	-13.0	-12.06
		High LB25	Band Edge	-25.04	-13.0	-12.04
		High LB2	Extended	-20.06	-13.0	-7.06
		High LB25	Extended	-19.70	-13.0	-6.70
	10 MHz	Low	Band Edge	-26.70	-13.0	-13.70
		Low	Extended	-19.88	-13.0	-6.88
		High LB2	Band Edge	-27.05	-13.0	-14.05
		High LB25	Band Edge	-26.22	-13.0	-13.22
		High LB2	Extended	-19.90	-13.0	-6.90
		High LB25	Extended	-19.47	-13.0	-6.47
	5 MHz	Low	Band Edge	-22.42	-13.0	-9.42
		Low	Extended	-25.13	-13.0	-12.13
		High LB2	Band Edge	-23.56	-13.0	-10.56
		High LB25	Band Edge	-22.32	-13.0	-9.32
		High LB2	Extended	-25.10	-13.0	-12.10
		High LB25	Extended	-24.04	-13.0	-11.04
	3 MHz	Low	Band Edge	-21.93	-13.0	-8.93
		Low	Extended	-24.88	-13.0	-11.88
		High LB2	Band Edge	-21.30	-13.0	-8.30
		High LB25	Band Edge	-21.29	-13.0	-8.29
		High LB2	Extended	-18.61	-13.0	-5.61
		High LB25	Extended	-20.09	-13.0	-7.09
	1.4 MHz	Low	Band Edge	-22.07	-13.0	-9.07
		Low	Extended	-26.89	-13.0	-13.89
		High LB2	Band Edge	-21.54	-13.0	-8.54
		High LB25	Band Edge	-21.36	-13.0	-8.36
		High LB2	Extended	-25.70	-13.0	-12.70
		High LB25	Extended	-27.15	-13.0	-14.15

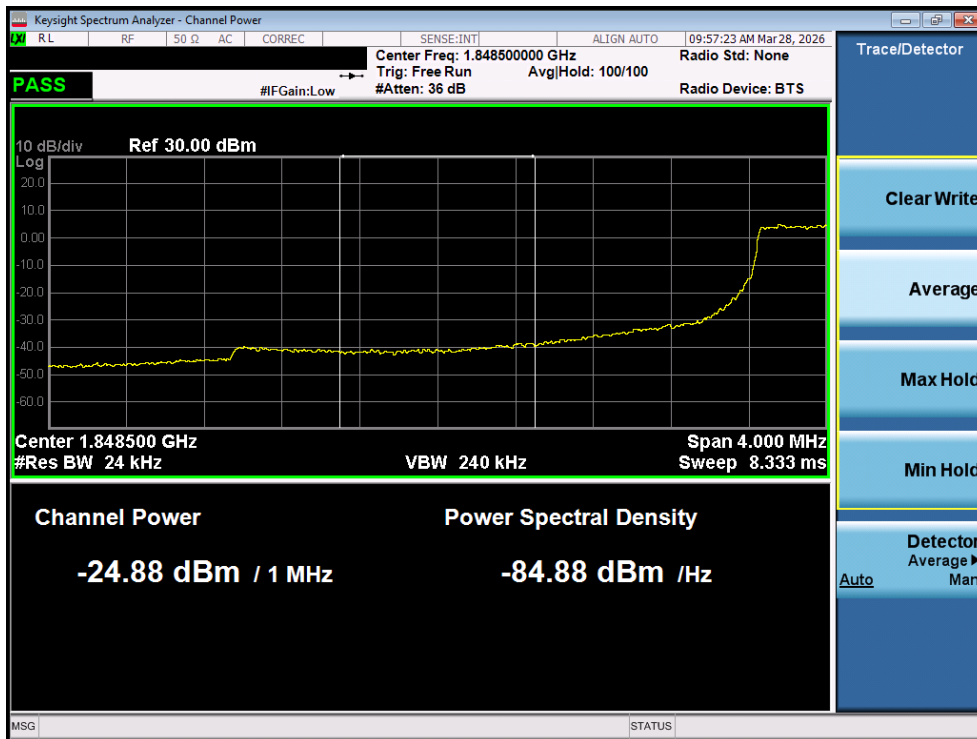
Table 7-9. Conducted Spurious Emissions Results – Ant2

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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LTE Band 25/2 – Ant2



Plot 7-44. Lower Band Edge Plot (LTE Band 25/2 – 3MHz QPSK – Full RB – Ant2)

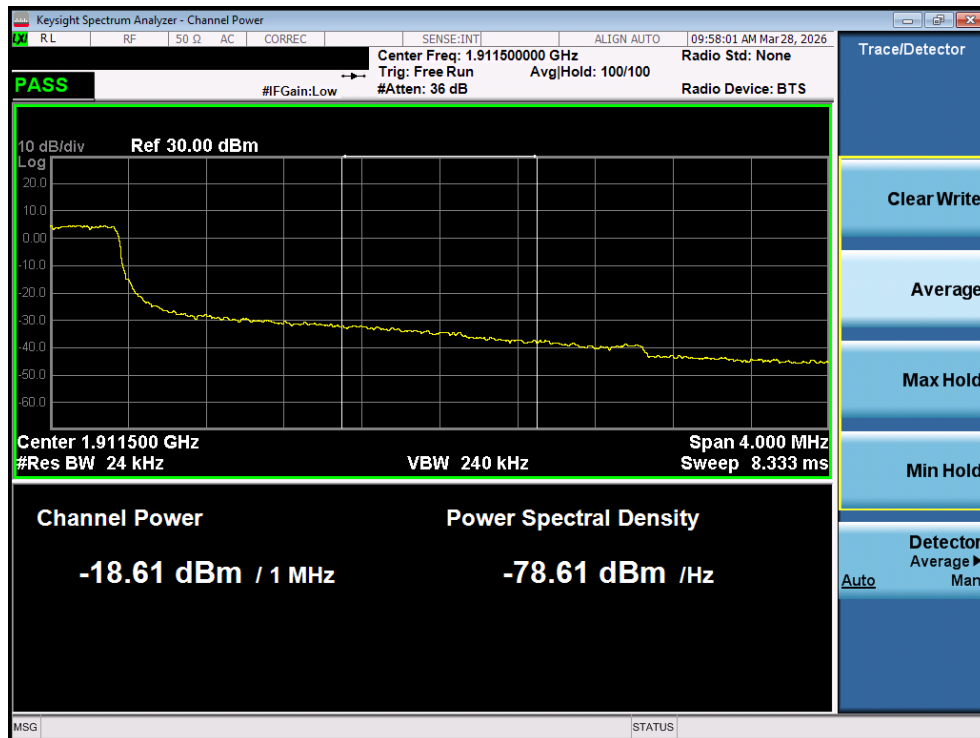


Plot 7-45. Extended Lower Band Edge Plot (LTE Band 25/2 – 3MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 85



Plot 7-46. Upper Band Edge Plot (LTE Band 2 – 3MHz QPSK – Full RB – Ant2)

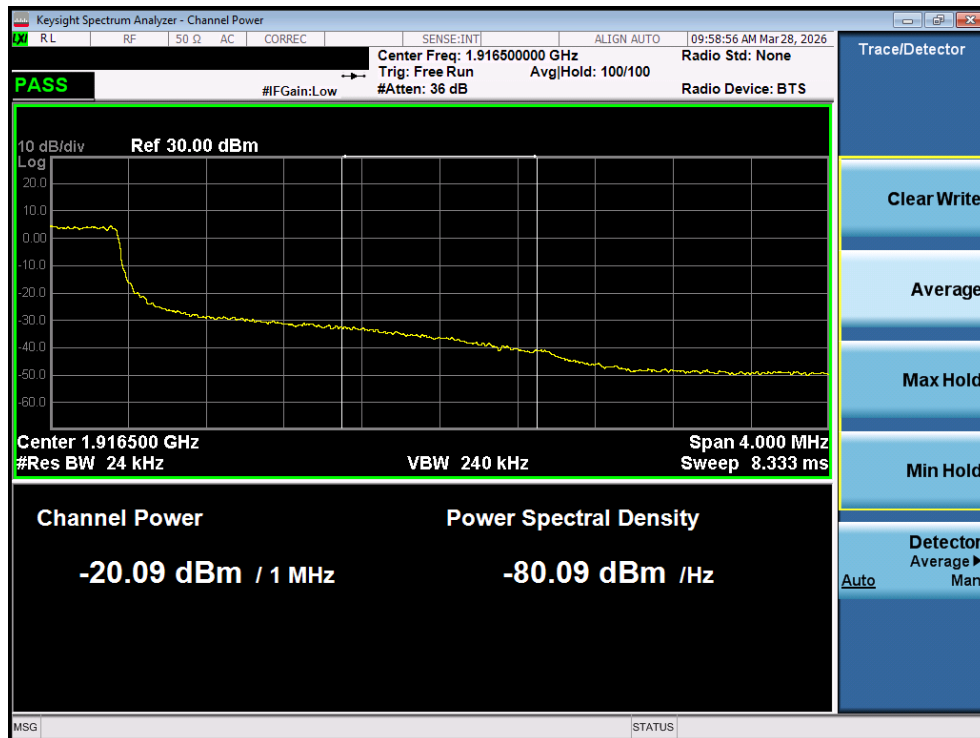


Plot 7-47. Extended Upper Band Edge Plot (LTE Band 2 – 3MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 85



Plot 7-48. Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK - Full RB - Ant2)



Plot 7-49. Extended Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 49 of 85

7.6 Peak-Average Ratio

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure Used

ANSI C63.26:2015 – Section 5.2.3.4

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW $\geq$ OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

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

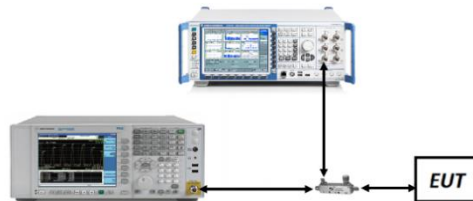


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

For the QAM modulations, 256QAM was found to have the worst-case peak-to-average ratio so it is the only QAM measurement included in this section.

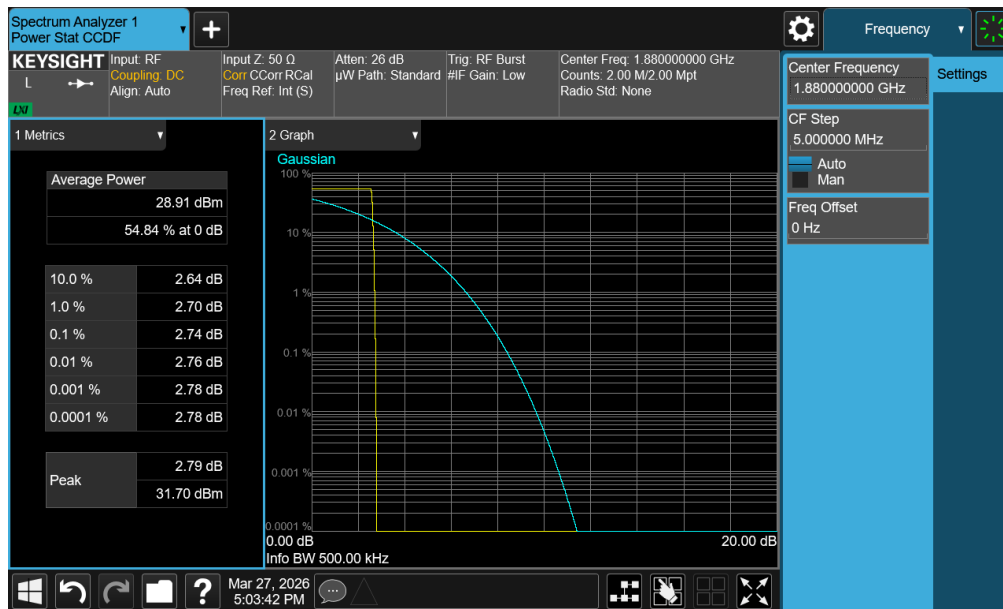
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 50 of 85

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM-PCS	N/A	GMSK	28.91	2.74	13.0	-10.26
GSM-PCS Edge		8-PSK	23.86	2.70	13.0	-10.30
LTE-B25-2	20 MHz	QPSK	24.74	4.61	13.0	-8.39
		256QAM	20.44	6.77	13.0	-6.23
	15 MHz	QPSK	24.85	4.59	13.0	-8.41
		256QAM	20.44	6.72	13.0	-6.28
	10 MHz	QPSK	24.88	4.53	13.0	-8.47
		256QAM	20.40	6.68	13.0	-6.32
	5 MHz	QPSK	24.90	4.48	13.0	-8.52
		256QAM	20.39	6.69	13.0	-6.31
	3 MHz	QPSK	24.96	4.46	13.0	-8.54
		256QAM	20.40	6.69	13.0	-6.31
	1.4 MHz	QPSK	24.87	4.51	13.0	-8.49
		256QAM	20.37	6.81	13.0	-6.20

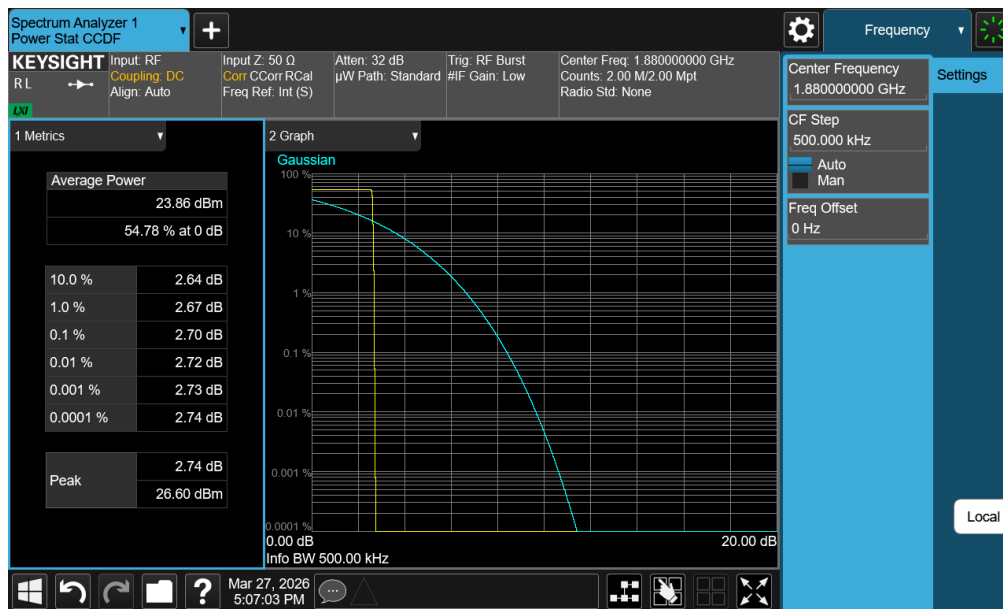
Table 7-10. Peak-Average Ratio Results – Ant1

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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GSM/GPRS PCS – Ant1



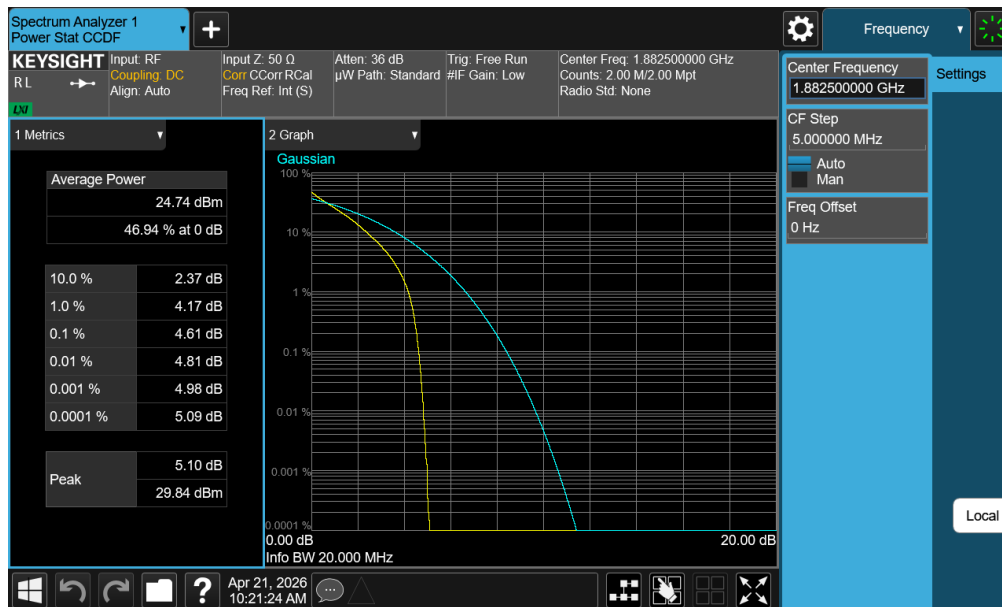
Plot 7-50. PAR Plot (GPRS, Ch. 661 - Ant1)



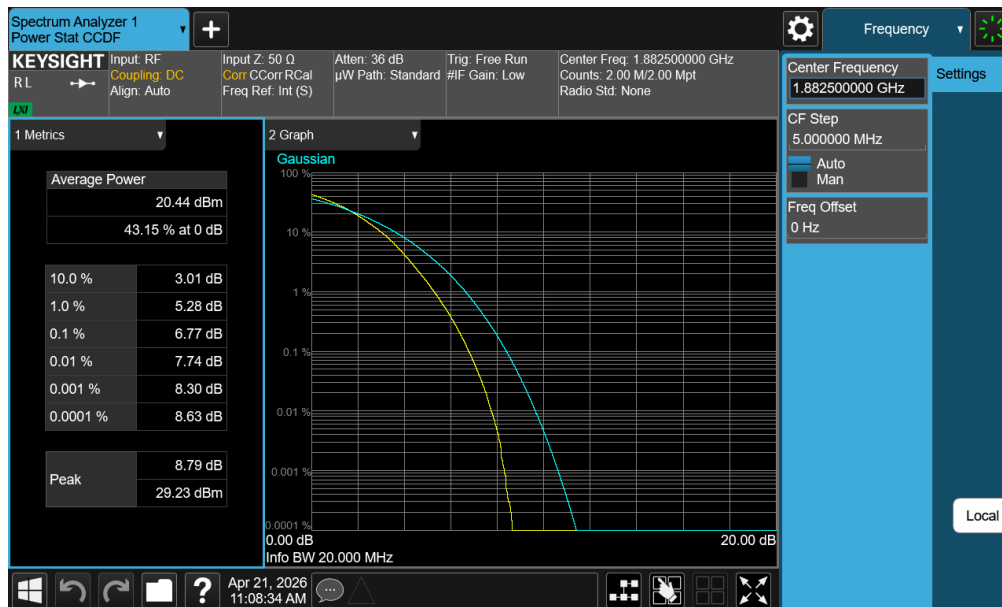
Plot 7-51. PAR Plot (EDGE, Ch. 661 - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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LTE Band 25/2 – Ant1

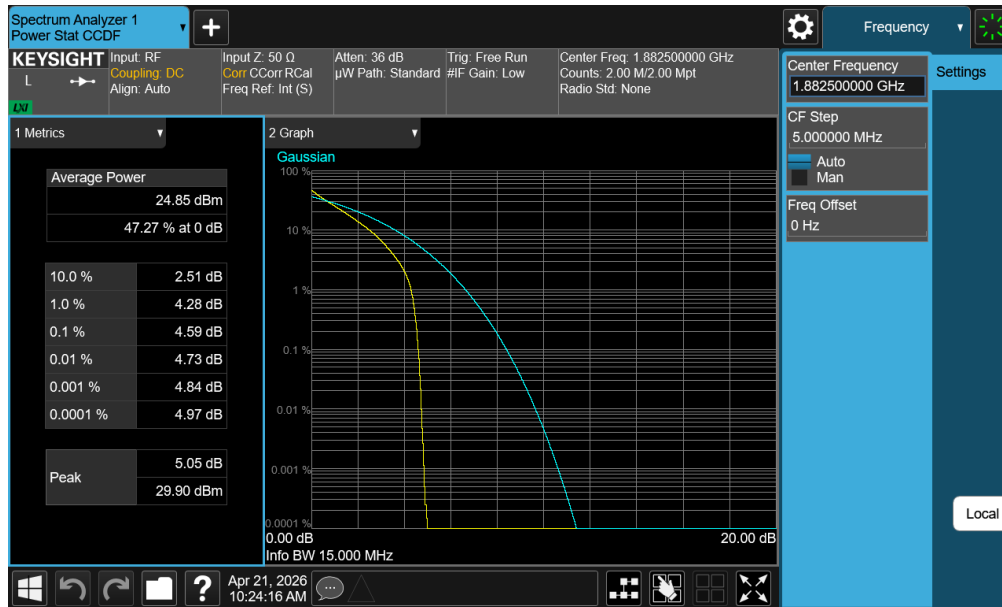


Plot 7-52. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant1)

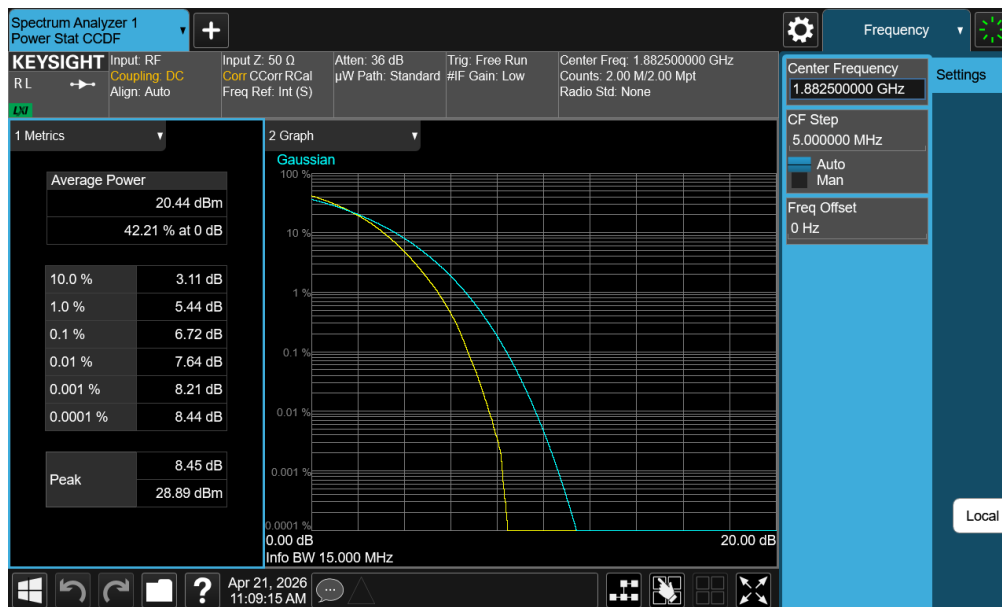


Plot 7-53. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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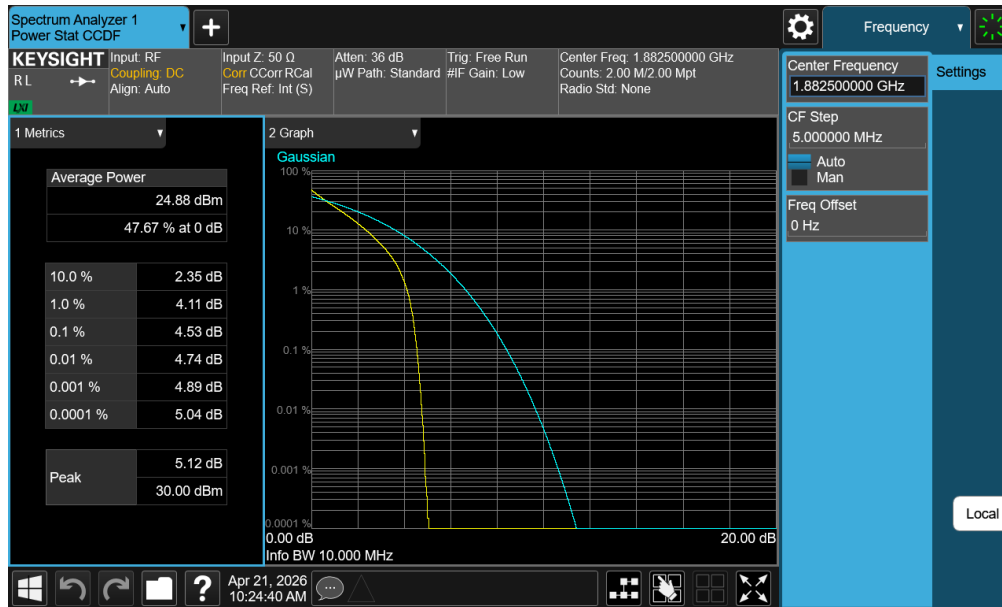


Plot 7-54. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB - Ant1)

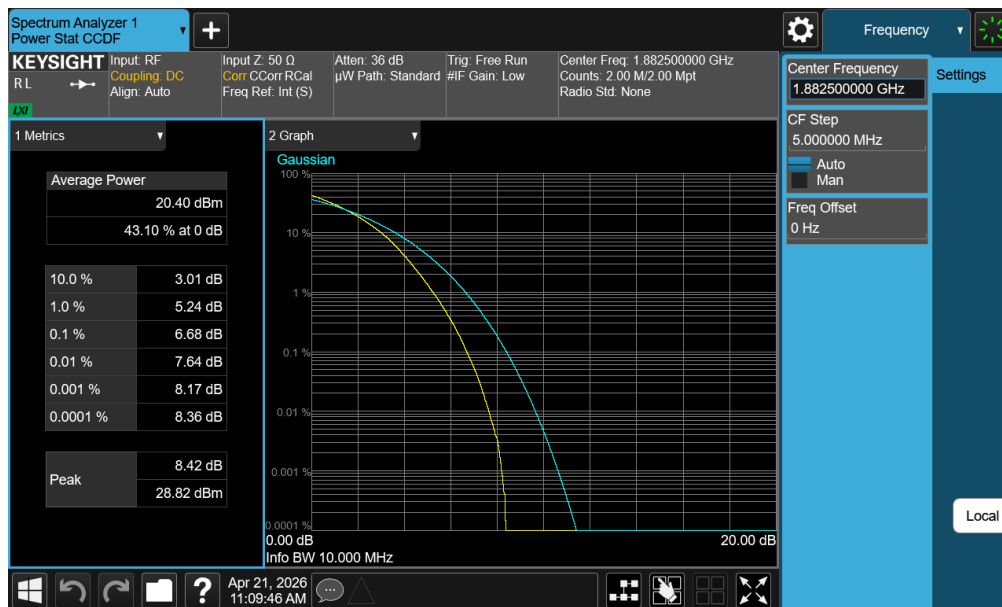


Plot 7-55. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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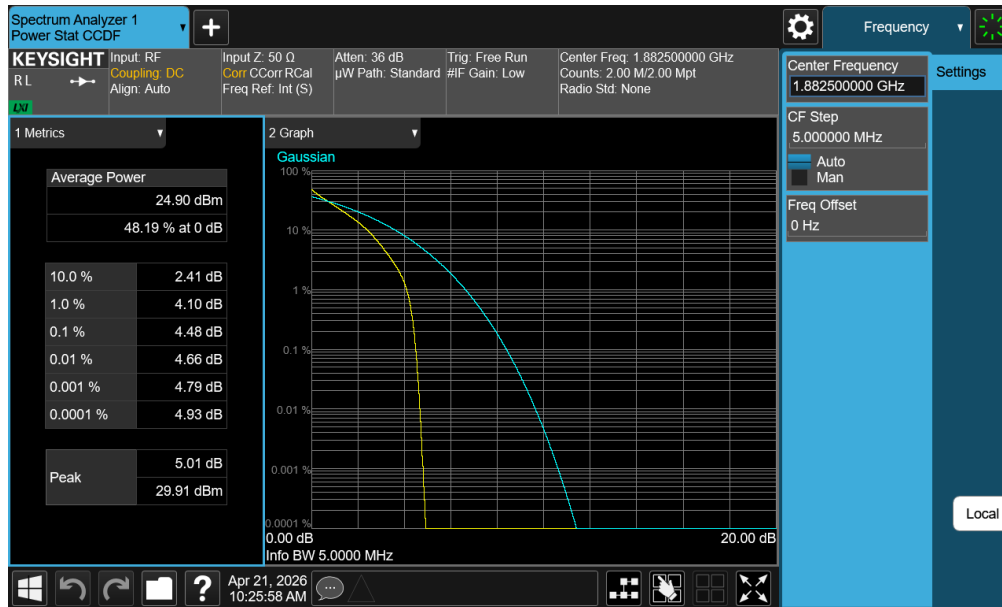


Plot 7-56. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB - Ant1)

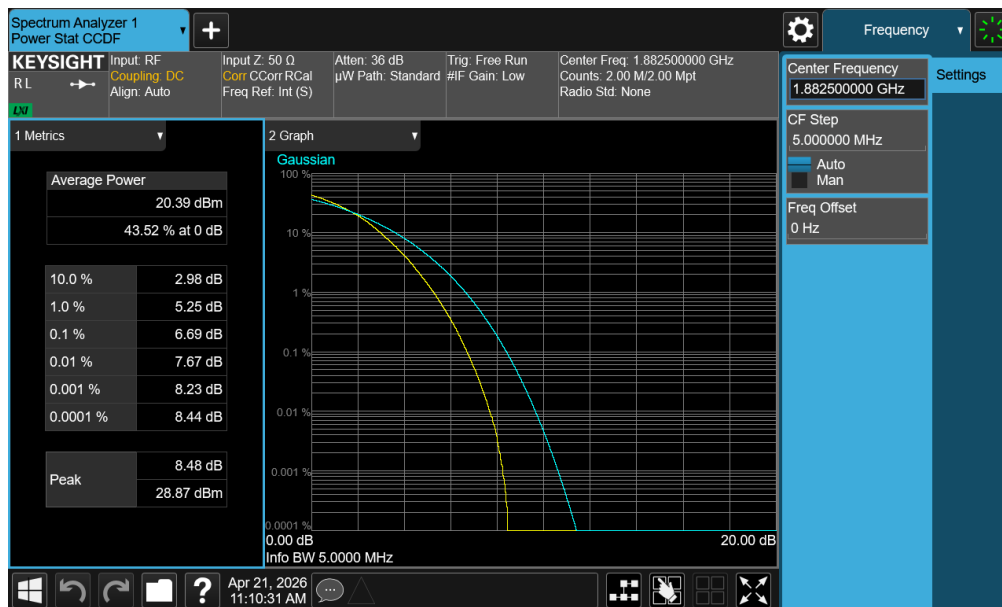


Plot 7-57. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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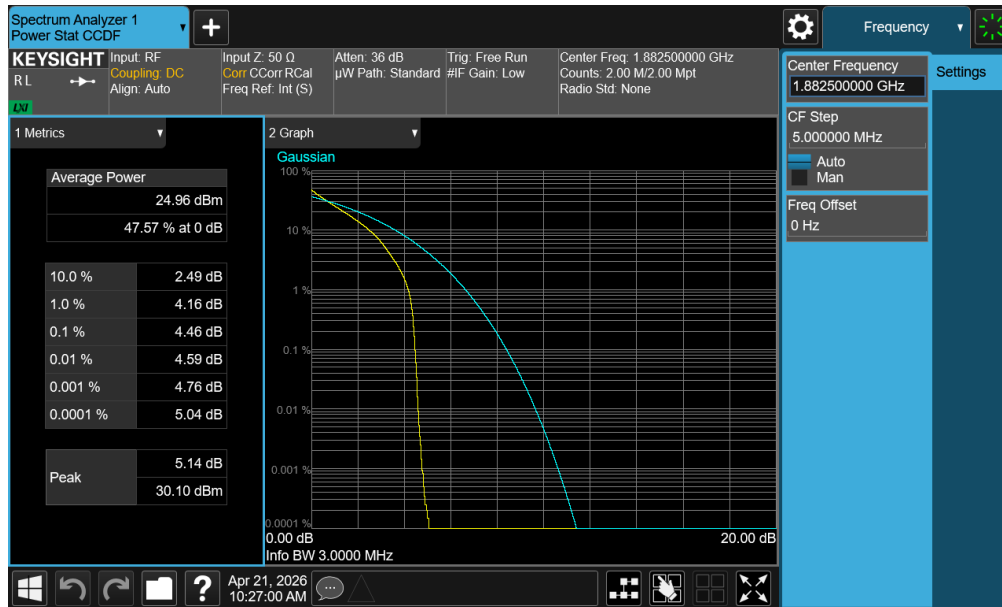


Plot 7-58. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - Ant1)

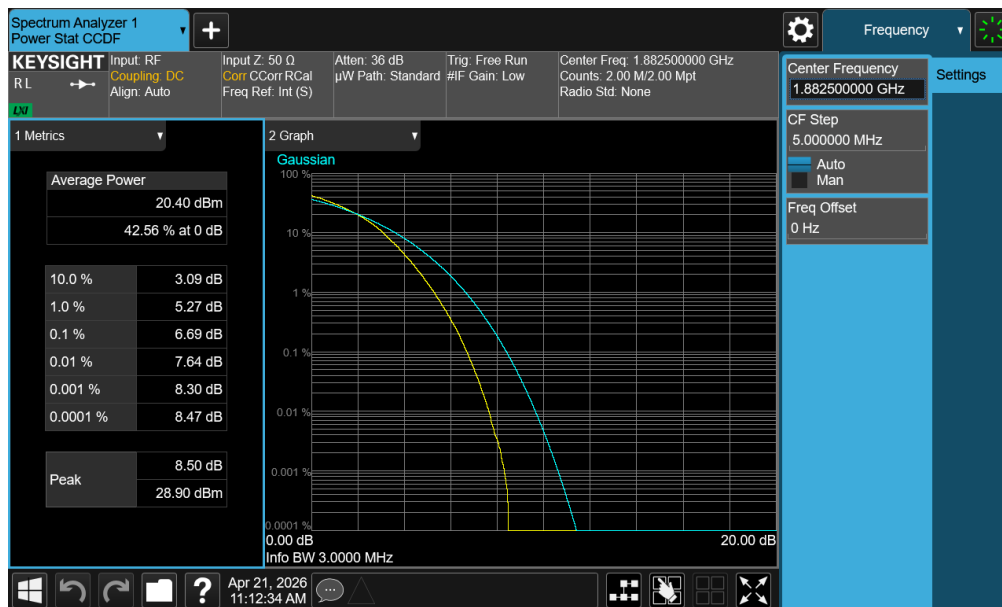


Plot 7-59. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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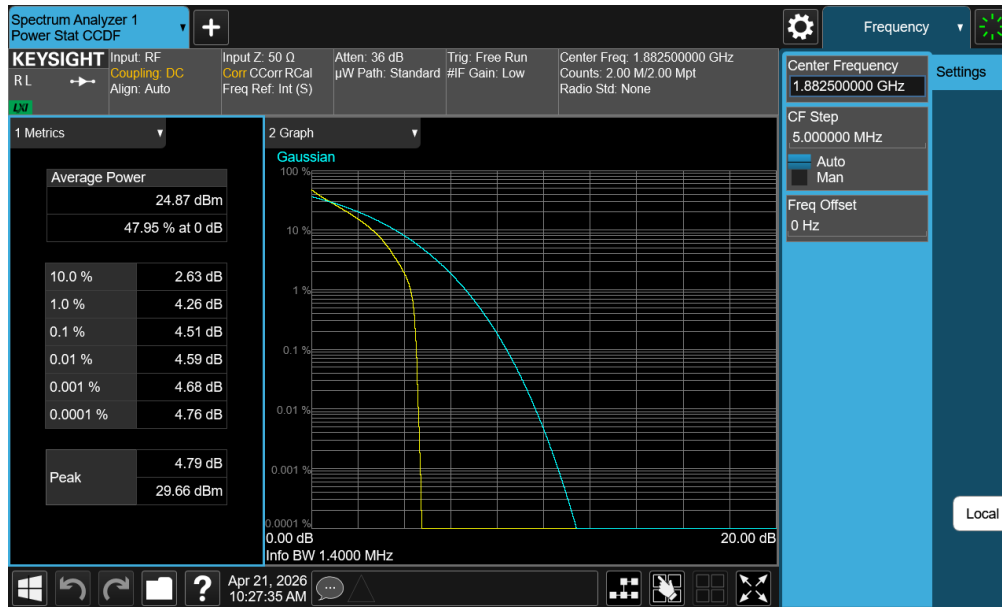


Plot 7-60. PAR Plot (LTE Band 25/2 - 3MHz QPSK - Full RB - Ant1)

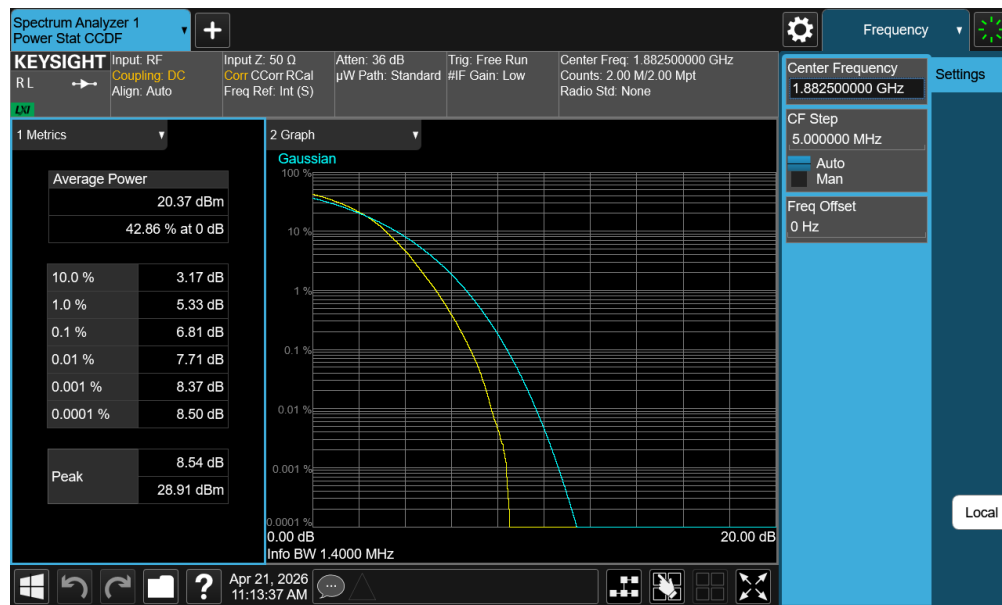


Plot 7-61. PAR Plot (LTE Band 25/2 - 3MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Plot 7-62. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB - Ant1)



Plot 7-63. PAR Plot (LTE Band 25/2 - 1.4MHz 256-QAM - Full RB - Ant1)

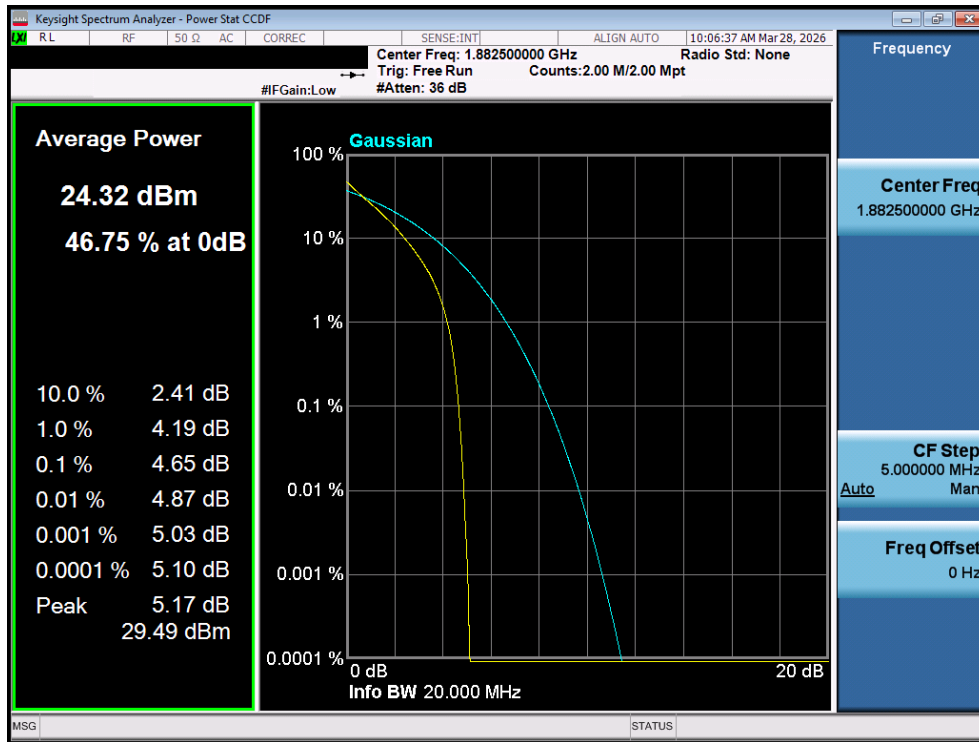
FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 58 of 85

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B25-2	20 MHz	QPSK	24.32	4.65	13.0	-8.35
		256QAM	20.30	6.69	13.0	-6.31
	15 MHz	QPSK	24.26	4.59	13.0	-8.41
		256QAM	20.31	6.73	13.0	-6.27
	10 MHz	QPSK	24.31	4.52	13.0	-8.48
		256QAM	20.28	6.68	13.0	-6.32
	5 MHz	QPSK	24.29	4.47	13.0	-8.53
		256QAM	20.29	6.67	13.0	-6.33
	3 MHz	QPSK	24.27	4.45	13.0	-8.55
		256QAM	20.33	6.73	13.0	-6.27
	1.4 MHz	QPSK	24.22	4.44	13.0	-8.56
		256QAM	20.26	6.70	13.0	-6.30

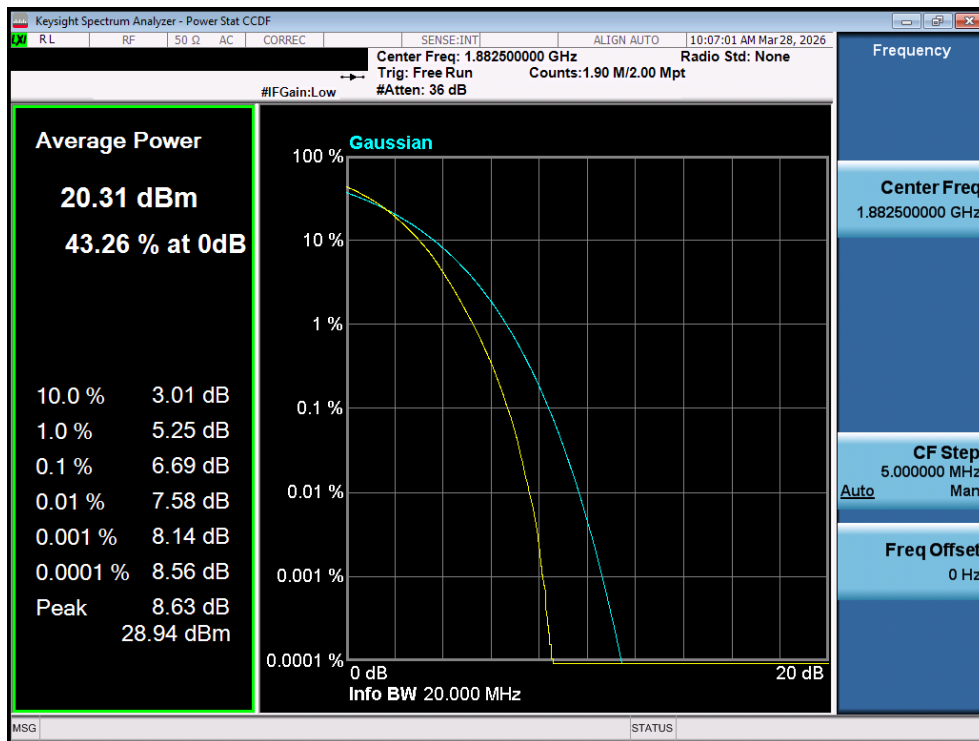
Table 7-11. Peak-Average Ratio Results – Ant2

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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LTE Band 25/2 – Ant2

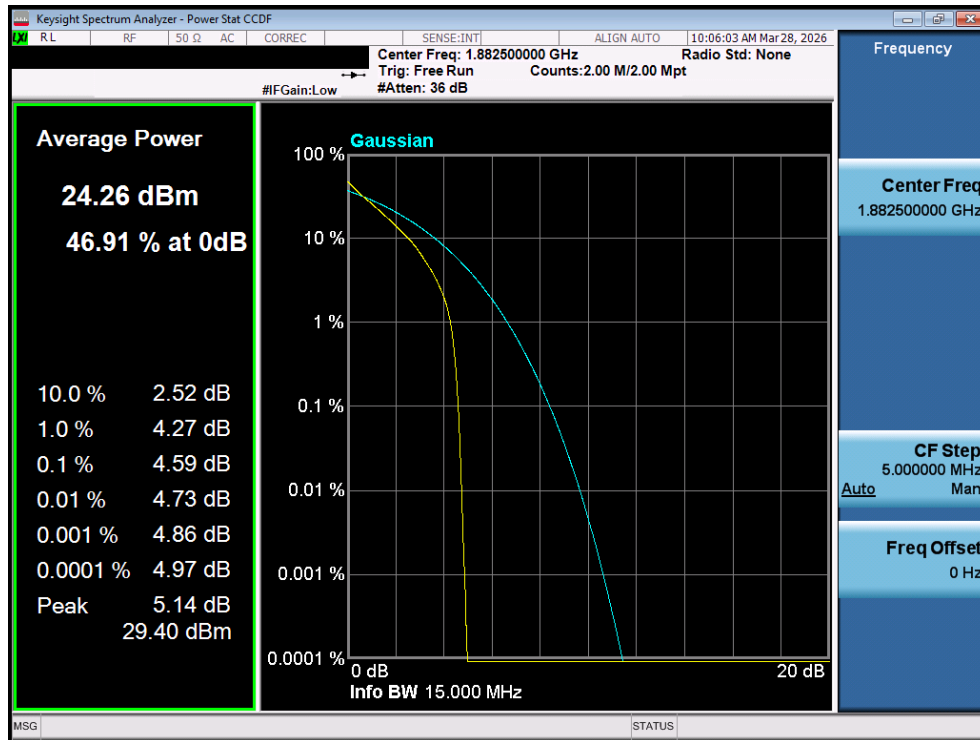


Plot 7-64. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant2)

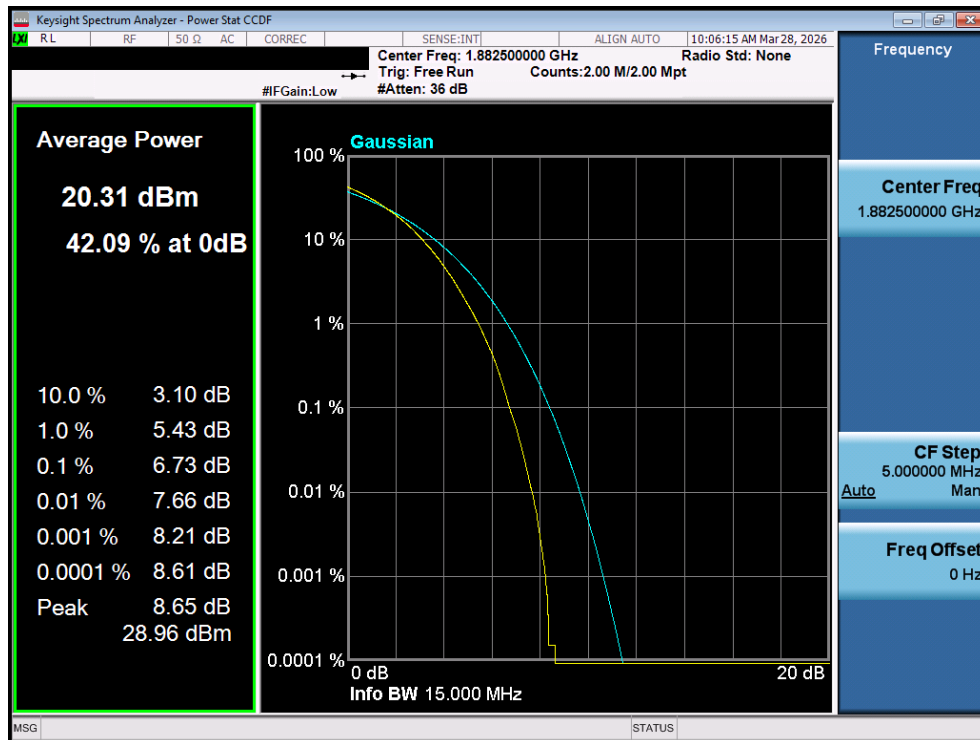


Plot 7-64. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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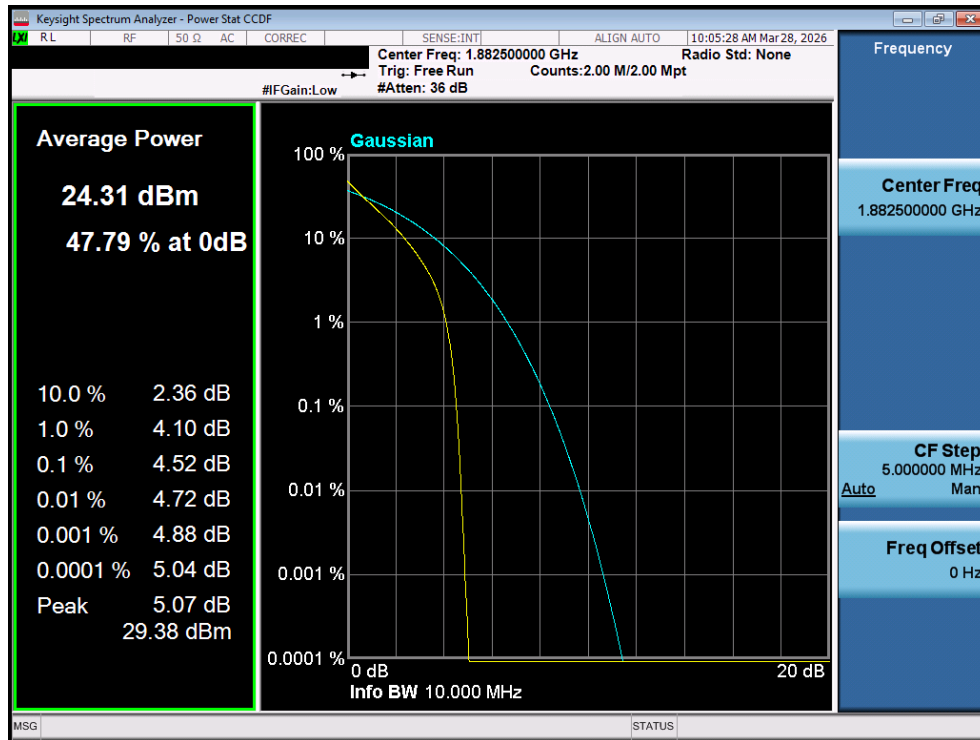


Plot 7-65. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB - Ant2)

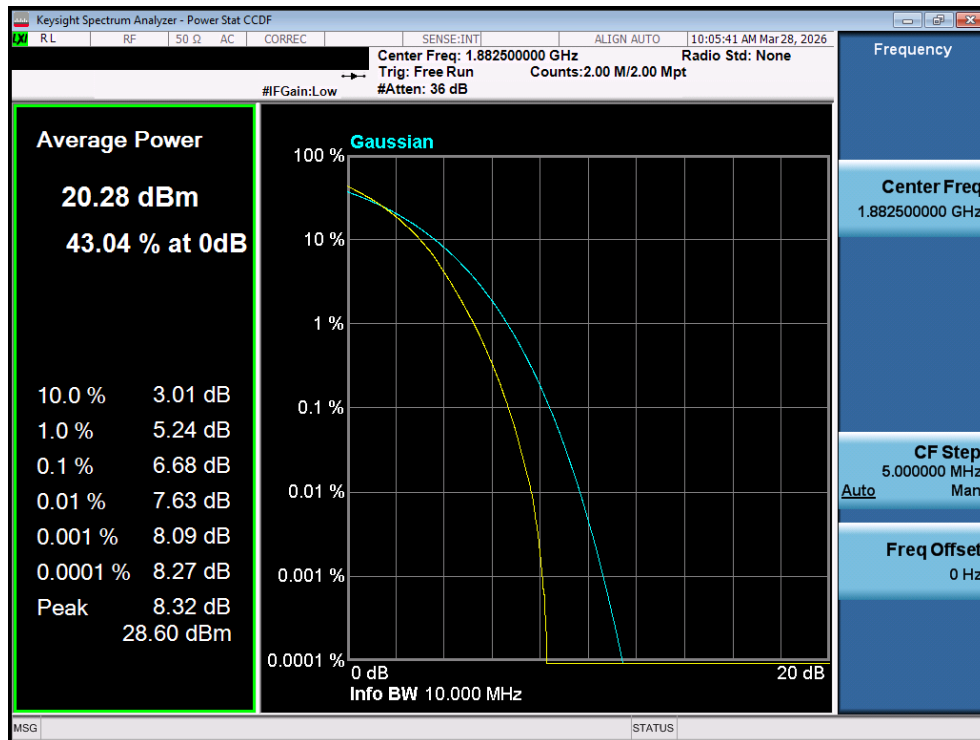


Plot 7-66. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 61 of 85

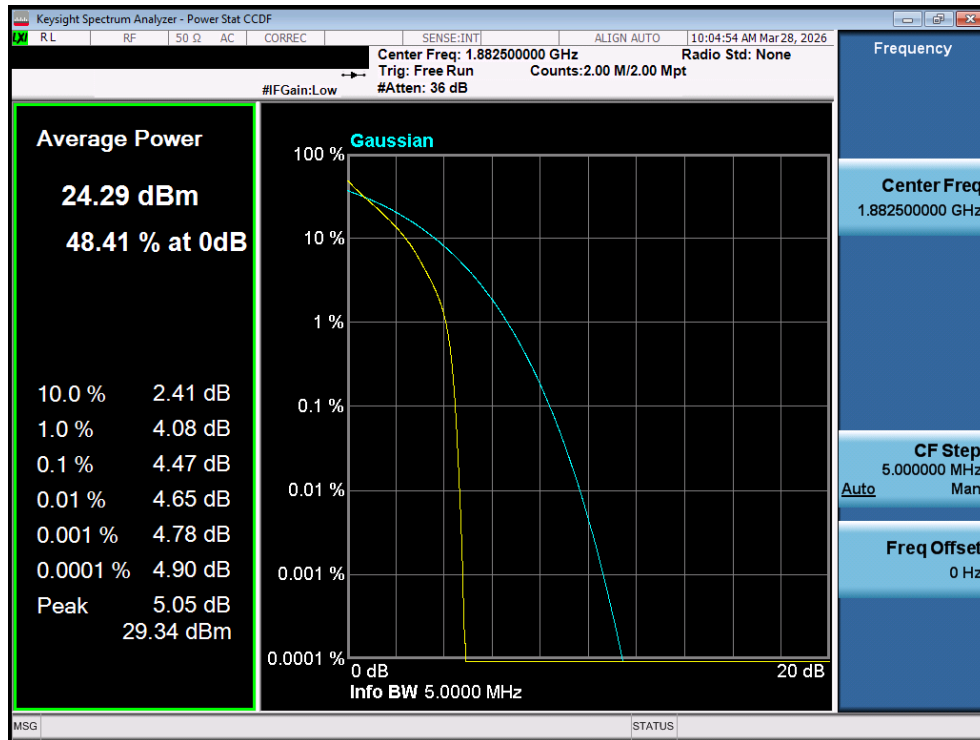


Plot 7-67. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB - Ant2)

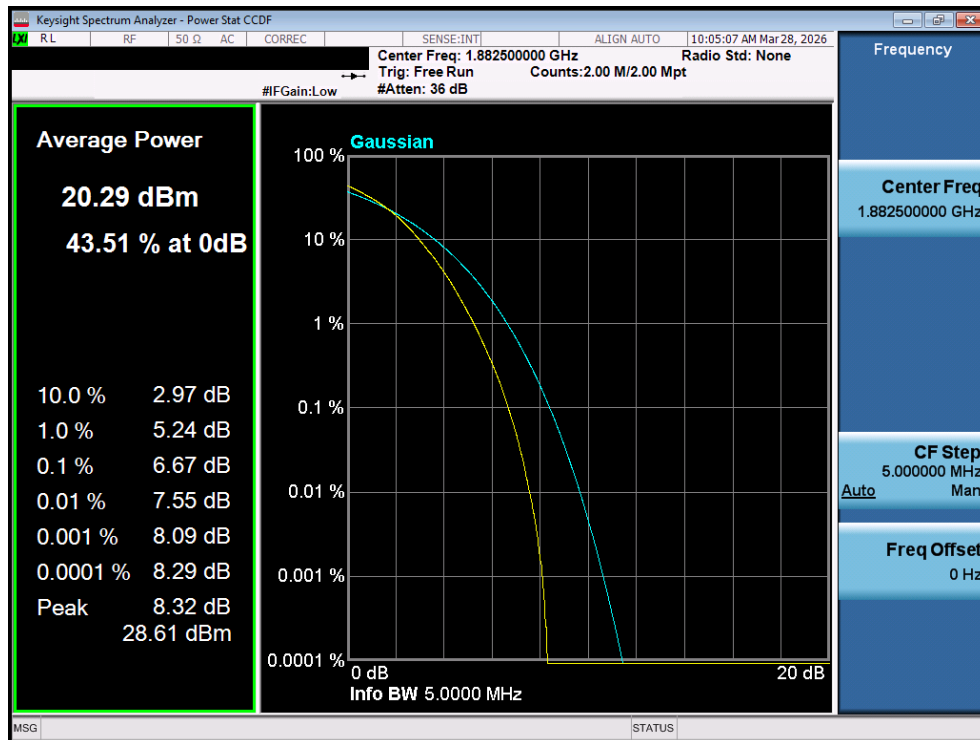


Plot 7-68. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 62 of 85



Plot 7-69. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - Ant2)



Plot 7-70. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMF776JPN	PART 24 MEASUREMENT REPORT	Test Dates: 3/24/2026 - 5/22/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2604240033-02-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 63 of 85