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PART 24 MEASUREMENT REPORT

Applicant Name:

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

Date of Testing:

7/8/2026 - 7/27/2026

Test Report Issue Date:

8/13/26

Test Site/Location:

Element Lab., Columbia, MD, USA

Test Report Serial No.:

1M2607060061-02-R1.A3L

FCC ID:

A3LSMA185G

APPLICANT:

Samsung Electronics Co., Ltd.

Application Type:

Certification

Model:

SM-A185G/DS

Additional Model(s):

SM-A185G

EUT Type:

Portable Handset

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

FCC Rule Part:

24

Test Procedure(s):

ANSI C63.26-2015

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: 1M2607060061-02-R1.A3L) supersedes and replaces the previously issued test report (S/N: 1M2607060061-02.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.

RJ Ortanez
Executive Vice President



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TEST REPORT REVISION HISTORY

Revision	Date	Comment	Revised By
-	7/28/2026	Initial Release	WKR0000023957
1	8/13/26	Addressed comments from TCB reviewer	WKR0000005826

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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	0.722	28.58	243KGXW
EDGE	N/A	8-PSK	1850.2 - 1909.8	0.242	23.84	244KG7W
WCDMA	N/A	Spread Spectrum	1852.4 - 1907.6	0.122	20.85	4M19F9W
LTE Band 2	20 MHz	QPSK	1860 - 1900	0.169	22.27	18M0G7D
		16QAM	1860 - 1900	0.142	21.52	18M0W7D
	15 MHz	QPSK	1857.5 - 1902.5	0.173	22.37	13M5G7D
		16QAM	1857.5 - 1902.5	0.136	21.34	13M5W7D
	10 MHz	QPSK	1855 - 1905	0.170	22.30	9M01G7D
		16QAM	1855 - 1905	0.140	21.47	8M98W7D
	5 MHz	QPSK	1852.5 - 1907.5	0.168	22.26	4M49G7D
		16QAM	1852.5 - 1907.5	0.139	21.42	4M50W7D
	3 MHz	QPSK	1851.5 - 1908.5	0.162	22.10	2M69G7D
		16QAM	1851.5 - 1908.5	0.138	21.40	2M69W7D
	1.4 MHz	QPSK	1850.7 - 1909.3	0.162	22.10	1M10G7D
		16QAM	1850.7 - 1909.3	0.139	21.44	1M10W7D

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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.

1.3 Test Facility / Accreditations

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

- Element Washington DC LLC is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.01 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules.
- Element Washington DC LLC facility is a registered test laboratory with the site description on file with FCC (Designation Number US1113).

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Samsung Portable Handset FCC ID: A3LSMA185G**. 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.

Test Device Serial No.: 0107M, 0142M, 0163M, 0165M

2.2 Device Capabilities

This device contains the following capabilities:

850/1900 GSM/GPRS/RDGE, 850/1700/1900 WCDMA/HSPA, Multi-band LTE, 802.11b/g/n WLAN, 802.11a/n/ac UNII (5GHz), Bluetooth (1x, EDR, LE), 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.

2.4 Duty Cycle Information

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

2.5 Software and Firmware

Testing was performed on device(s) using software/firmware version A185GXXU0AZG1 installed on the EUT.

2.6 EMI Suppression Device(s)/Modifications

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

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3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

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

Deviation from Measurement Procedure.....None

3.2 Radiated Power and Radiated Spurious Emissions

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

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

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

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

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

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

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

And

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

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

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

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4.0 MEASUREMENT UNCERTAINTY

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

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

Table 4-1. Measurement Uncertainty Budget

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5.0 TEST EQUIPMENT CALIBRATION DATA

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

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	AP1-002	EMC Cable and Switch System	2/3/2026	Annual	2/3/2027	AP1-002
-	ETS-001	EMC Cable and Switch System	1/29/2026	Annual	1/29/2027	ETS-001
-	ETS-002	EMC Cable and Switch System	1/29/2026	Annual	1/29/2027	ETS-002
-	LTx1	Licensed Transmitter Cable Set	1/30/2026	Annual	1/30/2027	LTx1
-	LTx2	Licensed Transmitter Cable Set	1/30/2026	Annual	1/30/2027	LTx2
Anritsu	MT8821C	Radio Communication Analyze	9/15/2025	Annual	9/15/2026	6201381794
Anritsu	MT8821C	Radio Communication Analyzer	9/15/2025	Annual	9/15/2026	6201144419
Espec	ESX-2CA	Environmental Chamber	11/20/2024	Biennial	11/20/2026	17620
ETS Lindgren	3117	1-18GHz DRG Horn (Medium)	6/4/2025	Biennial	6/4/2027	125518
Keysight Technologies	N9020A	MXA Signal Analyzer (NM)	6/5/2026	Annual	6/5/2027	MY54500644
Keysight Technologies	N9030A	PXA Signal Analyzer	11/3/2025	Annual	11/3/2026	MY54490576
Rohde & Schwarz	ESU26	EMI Test Receiver (26.5GHz)	12/19/2025	Annual	12/19/2026	100342
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/30/2018	No cal required	#N/A	165450
Sunol	JB5	JB5 Antenna	9/11/2024	Biennial	9/11/2026	A051107
Rohde & Schwarz	FSW26	2Hz-26.5GHz Signal and Spectrum Analyzer	11/18/2025	Annual	11/18/2026	103187
Rohde & Schwarz	TC-TA18	Cross Polarized Vivaldi Test Antenna (1-18GHz)	12/10/2024	Biennial	12/10/2026	101073

Table 5-1. Test Equipment Calibration Table

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

Table 5-2. AP1-002 EMC Cable Switch System Components

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

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

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

Table 5-4. ETS-002 EMC Cable Switch System Components

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

Table 5-5. LTx1 EMC Cable Switch System Components

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

Table 5-6. LTx2 EMC Cable Switch System Components

Notes:

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

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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: A3LSMA185G
 FCC Classification: PCS Licensed Transmitter Held to Ear (PCE)
 Mode(s): GSM/GPRS/EDGE/WCDMA/LTE

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

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

Table 7-1. Summary of Test Results

Notes:

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

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7.2 Conducted Output Power Data

Test Overview

All emissions are measured with a callbox connected to 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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WCDMA PCS

Mode	Channel	Frequency [MHz]	Conducted Power [dBm]
WCDMA PCS	18700	1850.2	24.83
	18900	1880.0	24.81
	19100	1909.8	24.70

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

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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.

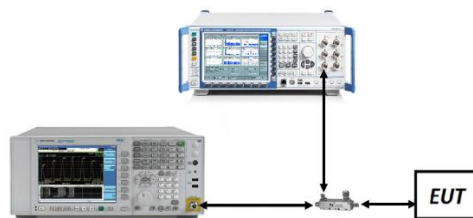


Figure 7-2. Test Instrument & Measurement Setup

Test Notes

None.

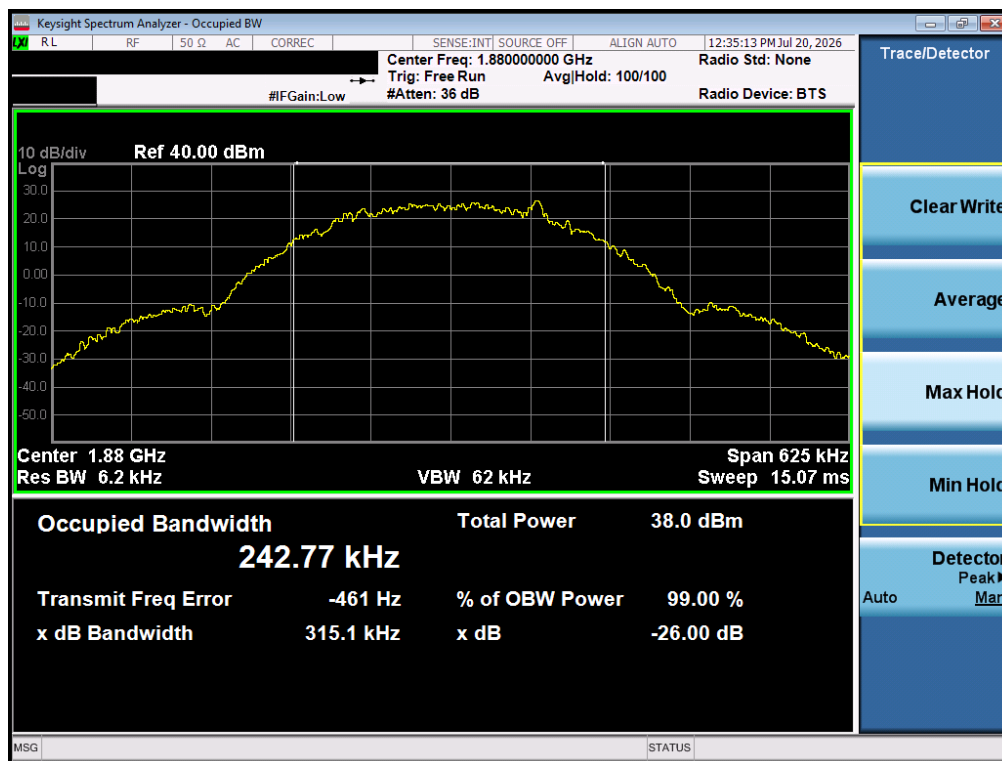
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Mode	Bandwidth	Modulation	OBW [MHz]
GSM1900	N/A	GMSK	0.243
EDGE1900		8-PSK	0.244
WCDMA1900		Spread Spectrum	4.19
LTE Band 2	20 MHz	QPSK	17.95
		16QAM	17.95
	15 MHz	QPSK	13.49
		16QAM	13.47
	10MHz	QPSK	9.01
		16QAM	8.98
	5 MHz	QPSK	4.49
		16QAM	4.50
	3 MHz	QPSK	2.69
		16QAM	2.69
	1.4 MHz	QPSK	1.10
		16QAM	1.10

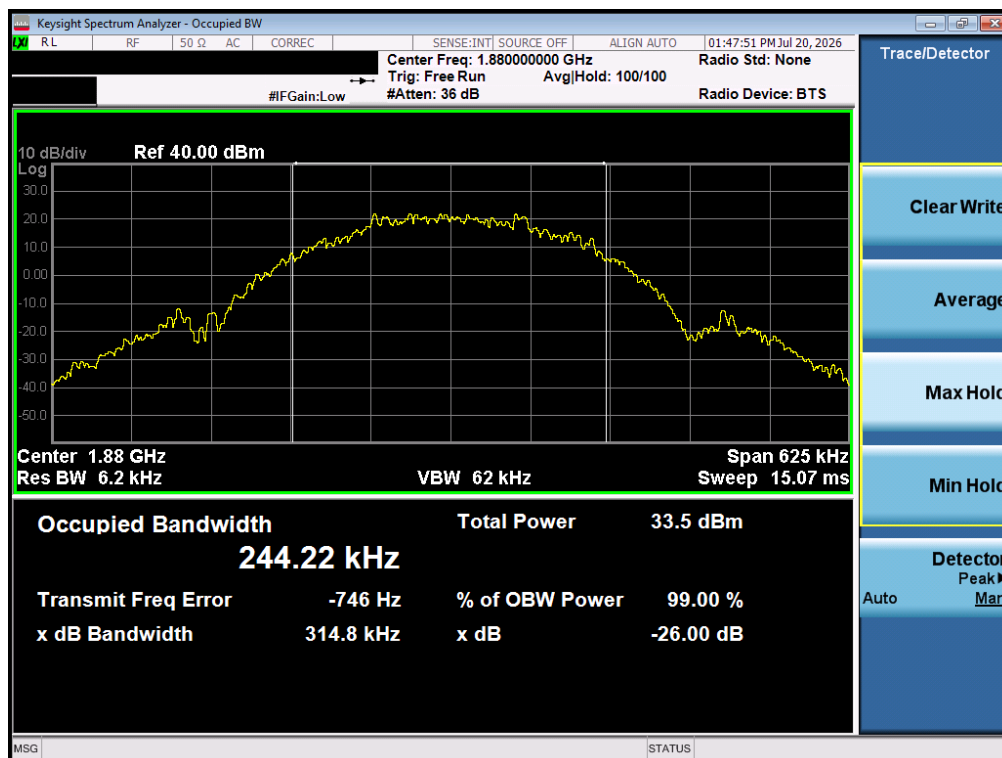
Table 7-3. Occupied Bandwidth Results

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

GSM/GPRS PCS



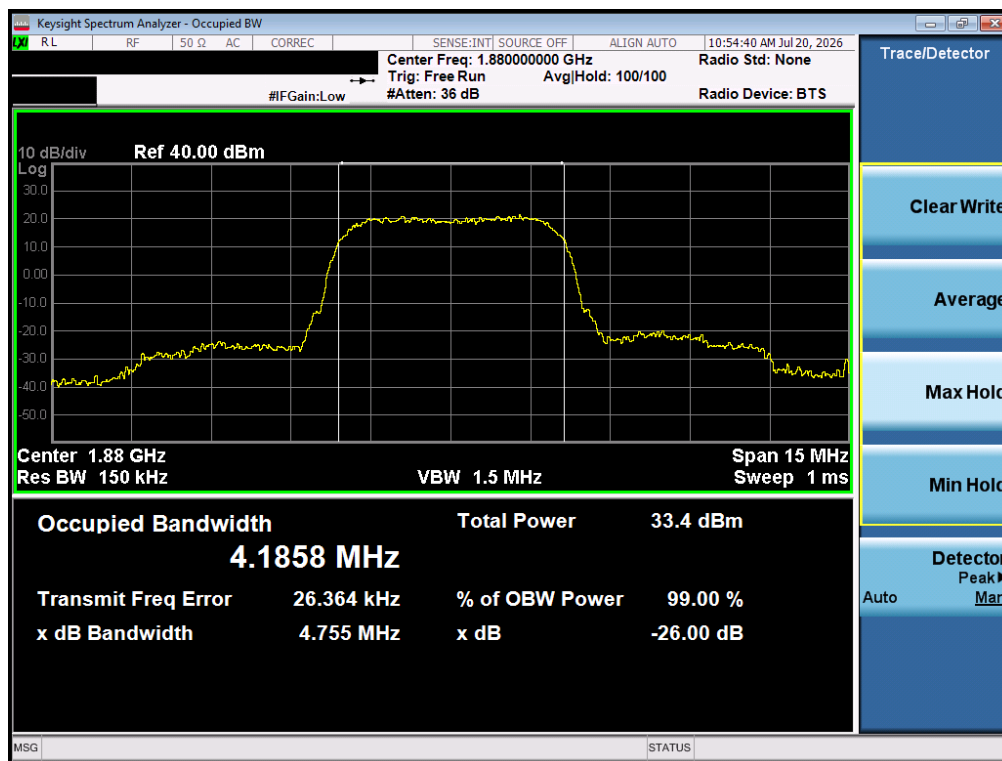
Plot 7-1. Occupied Bandwidth Plot (GPRS, Ch. 661)



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

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

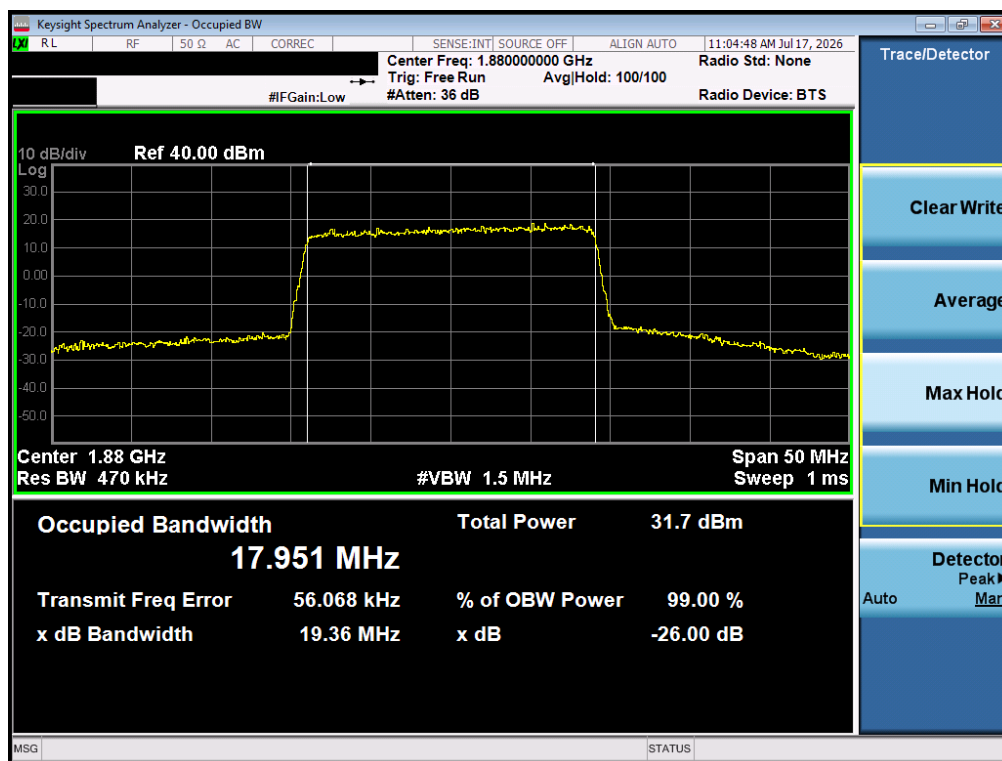
WCDMA PCS



Plot 7-3. Occupied Bandwidth Plot (WCDMA, Ch. 9400)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

LTE Band 2

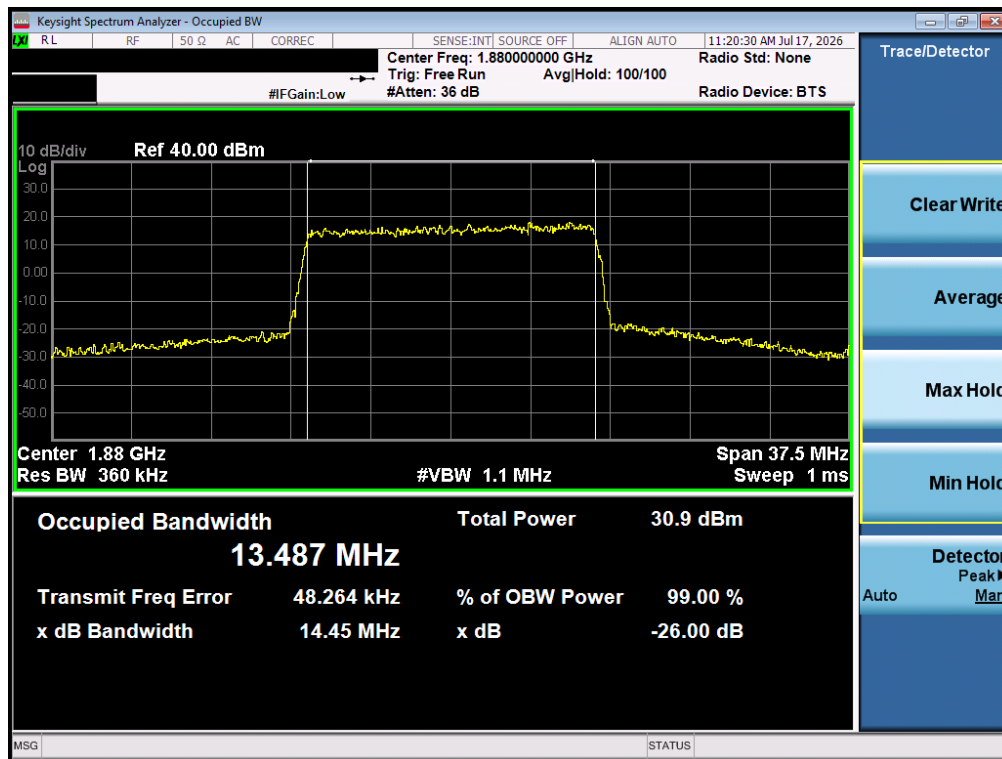


Plot 7-4. Occupied Bandwidth Plot (LTE Band 2 - 20MHz QPSK - Full RB)

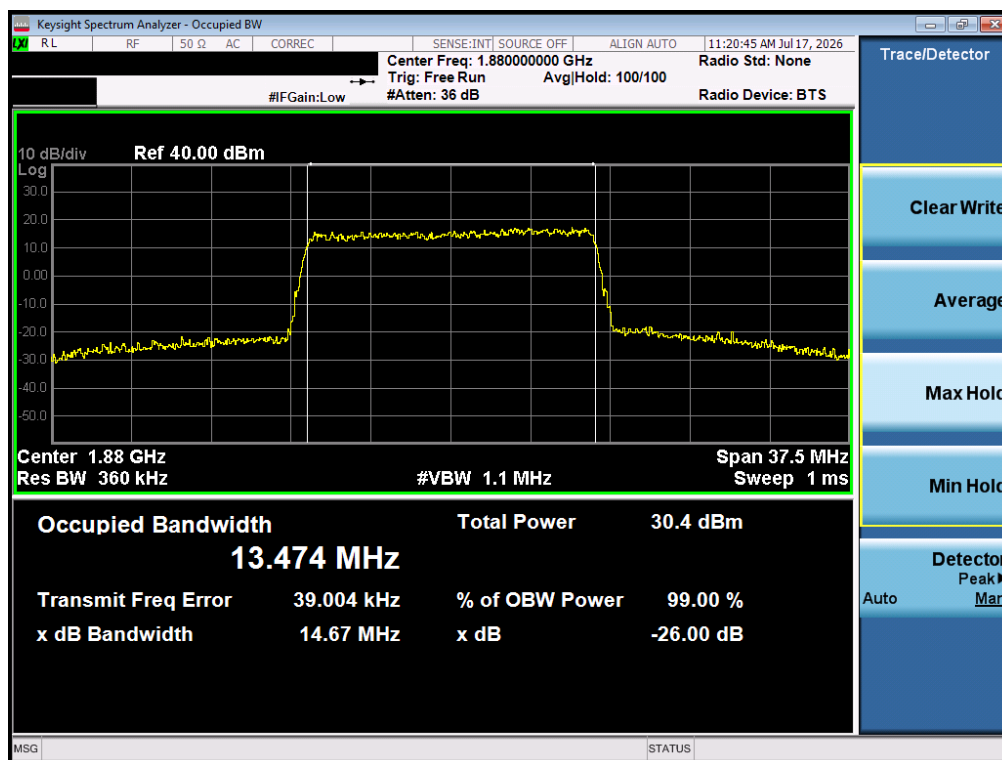


Plot 7-5. Occupied Bandwidth Plot (LTE Band 2 - 20MHz 16-QAM - Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

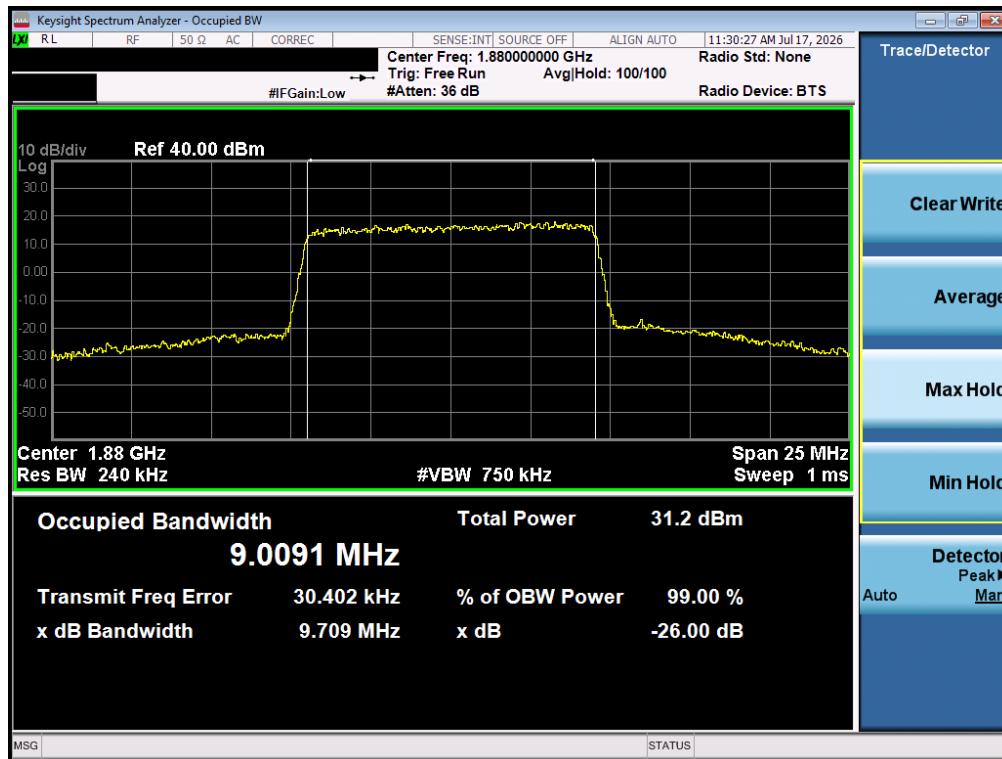


Plot 7-6. Occupied Bandwidth Plot (LTE Band 2 - 15MHz QPSK - Full RB)

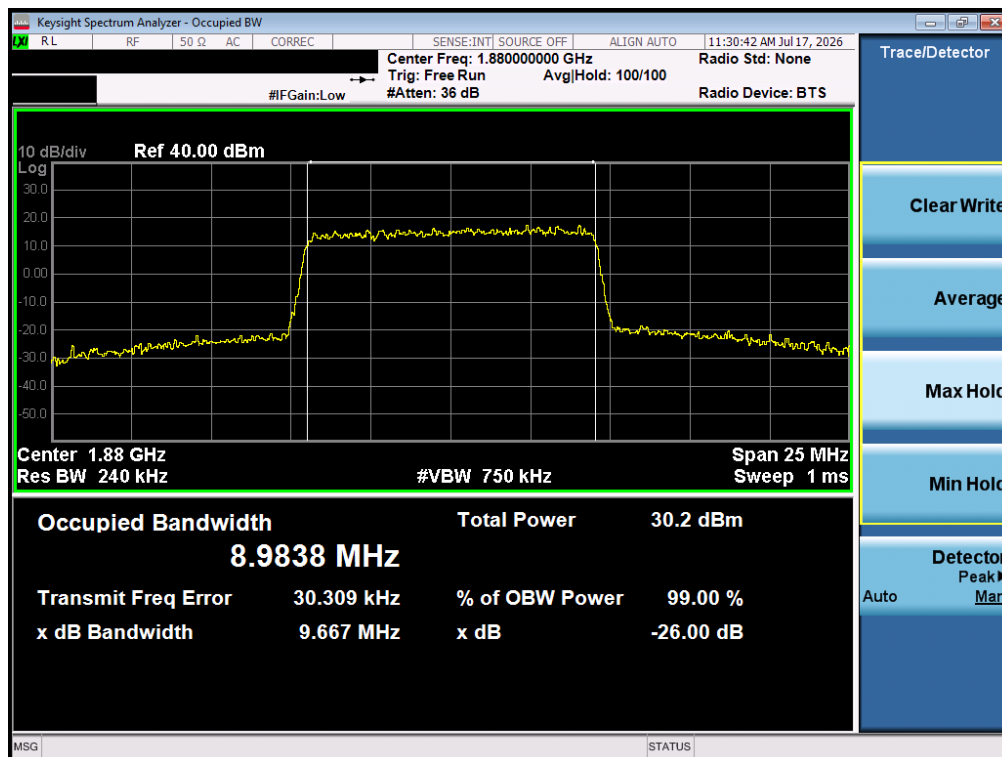


Plot 7-7. Occupied Bandwidth Plot (LTE Band 2 - 15MHz 16-QAM - Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

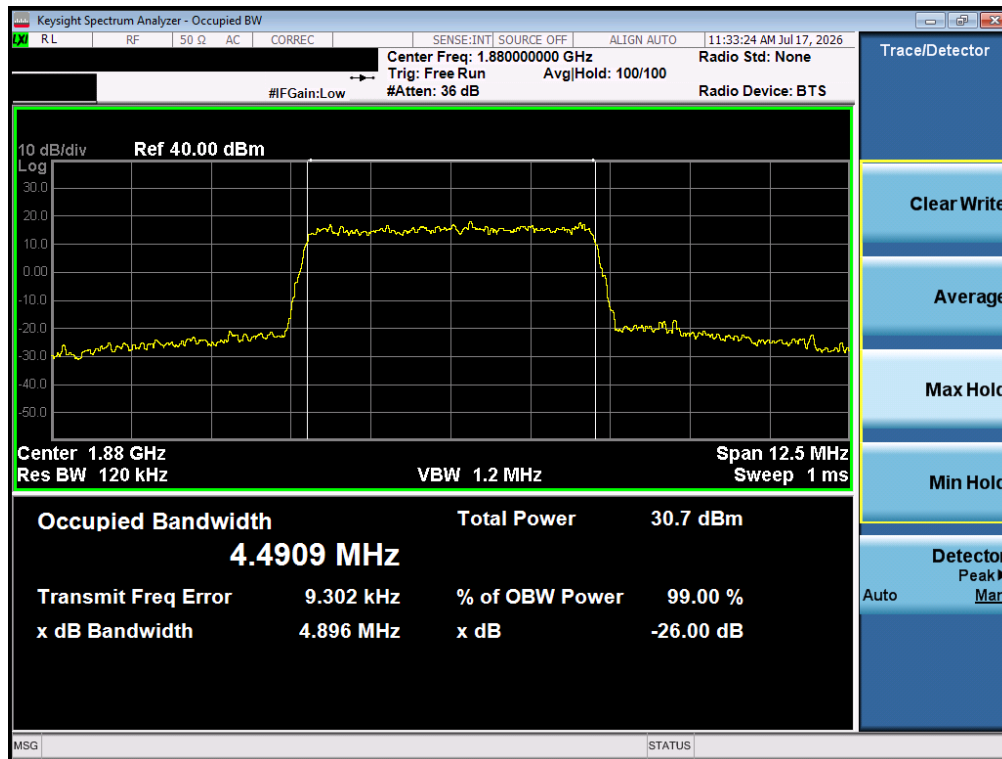


Plot 7-8. Occupied Bandwidth Plot (LTE Band 2 - 10MHz QPSK - Full RB)

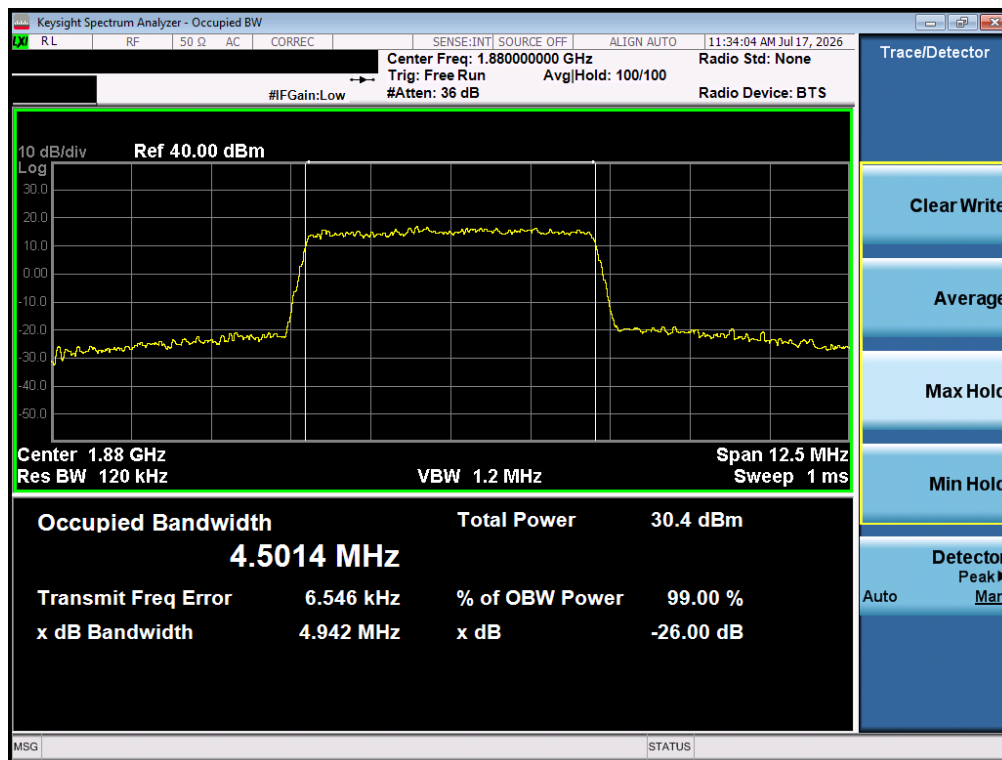


Plot 7-9. Occupied Bandwidth Plot (LTE Band 2 - 10MHz 16-QAM - Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

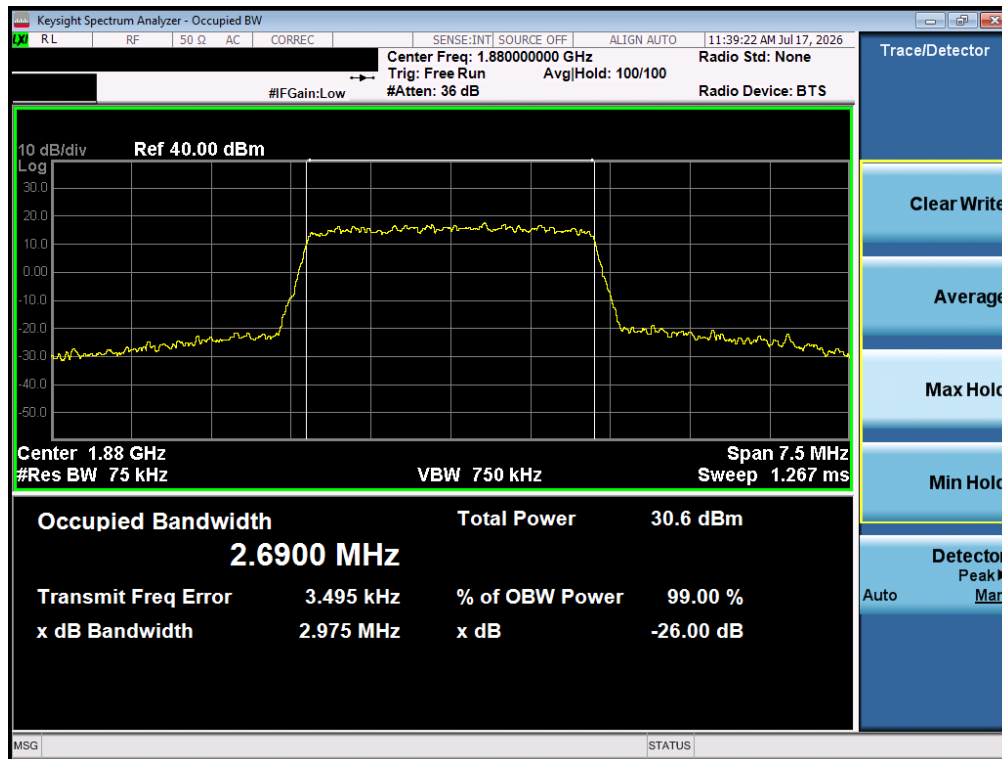


Plot 7-10. Occupied Bandwidth Plot (LTE Band 2 - 5MHz QPSK - Full RB)

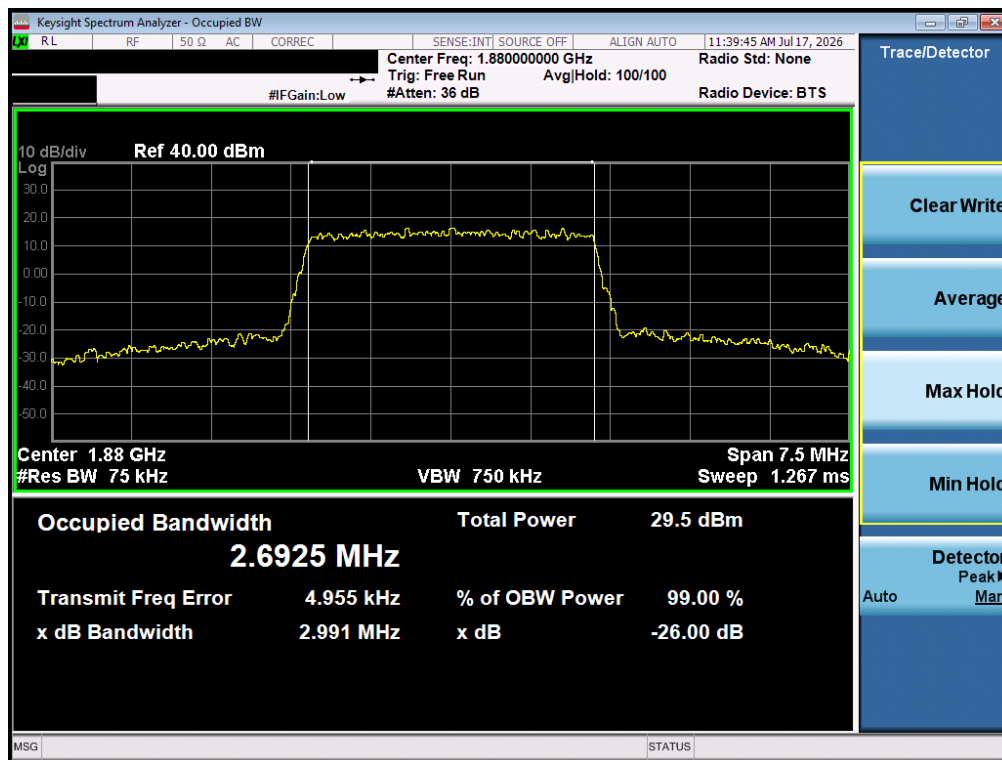


Plot 7-11. Occupied Bandwidth Plot (LTE Band 2 - 5MHz 16-QAM - Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

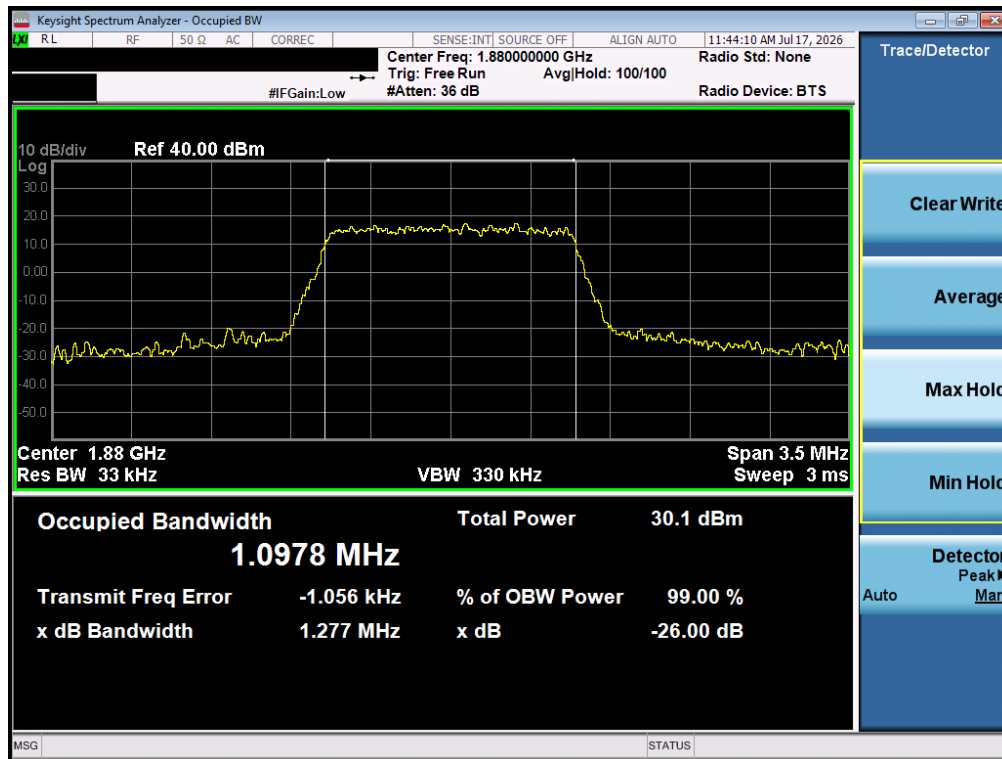


Plot 7-12. Occupied Bandwidth Plot (LTE Band 2 - 3MHz QPSK - Full RB)

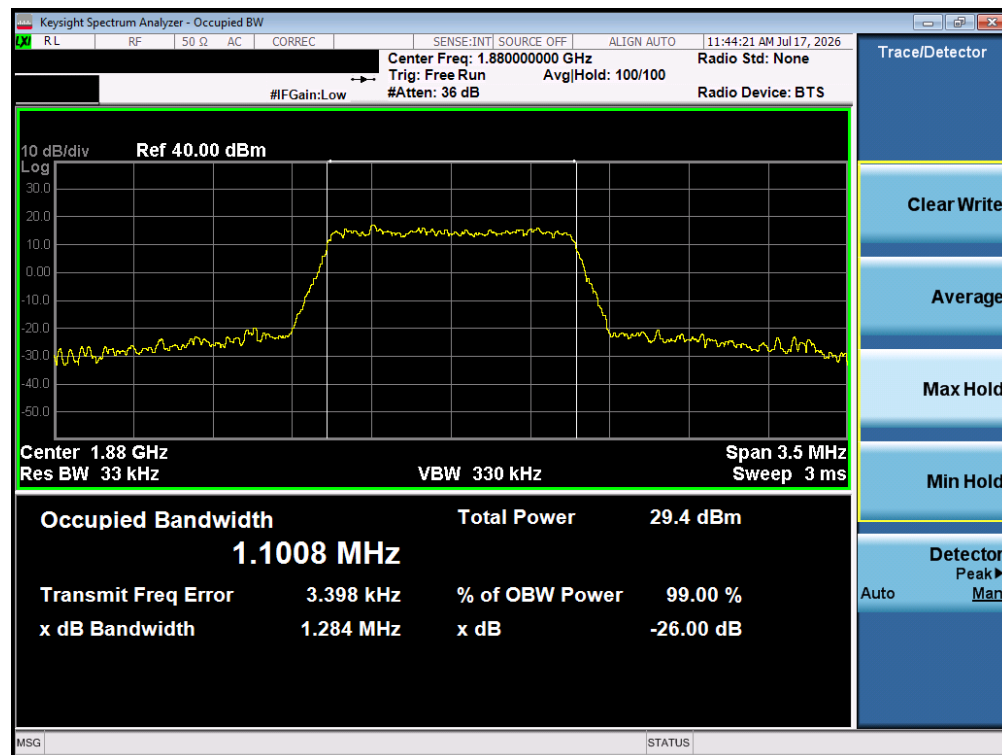


Plot 7-13. Occupied Bandwidth Plot (LTE Band 2 - 3MHz 16-QAM - Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65



Plot 7-14. Occupied Bandwidth Plot (LTE Band 2 - 1.4MHz QPSK - Full RB)



Plot 7-15. Occupied Bandwidth Plot (LTE Band 2 - 1.4MHz 16-QAM - Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

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 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.

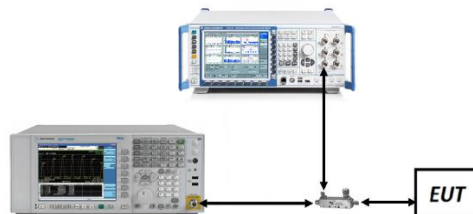


Figure 7-3. Test Instrument & Measurement Setup

Test Notes

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

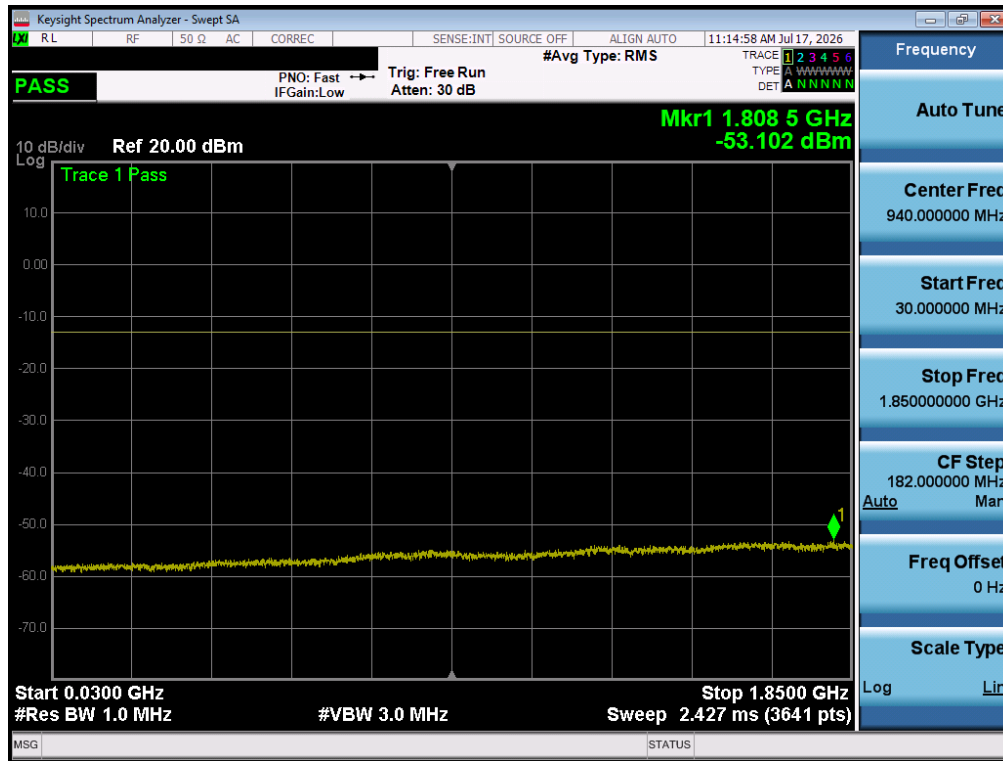
FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 25 of 65

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-PCS	250kHz	Low	30.0 - 1845.0	-45.24	-13	-32.24
		Low	1910.0 - 10000.0	-41.79	-13	-28.79
		Low	10000.0 - 20000.0	-55.74	-13	-42.74
		Mid	30.0 - 1850.0	-44.48	-13	-31.48
		Mid	1910.0 - 10000.0	-42.48	-13	-29.48
		Mid	10000.0 - 20000.0	-56.05	-13	-43.05
		High	30.0 - 1850.0	-44.94	-13	-31.94
		High	1915.0 - 10000.0	-21.04	-13	-8.04
		High	10000.0 - 20000.0	-55.18	-13	-42.18
WCDMA-PCS	5MHz	Low	30.0 - 1845.0	-42.45	-13	-29.45
		Low	1910.0 - 10000.0	-45.73	-13	-32.73
		Low	10000.0 - 20000.0	-58.92	-13	-45.92
		Mid	30.0 - 1850.0	-48.94	-13	-35.94
		Mid	1910.0 - 10000.0	-45.77	-13	-32.77
		Mid	10000.0 - 20000.0	-58.89	-13	-45.89
		High	30.0 - 1850.0	-49.21	-13	-36.21
		High	1915.0 - 10000.0	-35.37	-13	-22.37
		High	10000.0 - 20000.0	-59.01	-13	-46.01
LTE-B2	20MHz	Low	30.0 - 1849.0	-42.64	-13	-29.64
		Low	1915.0 - 10000.0	-50.30	-13	-37.30
		Low	10000.0 - 20000.0	-63.82	-13	-50.82
		Mid	30.0 - 1850.0	-53.23	-13	-40.23
		Mid	1915.0 - 10000.0	-40.31	-13	-27.31
		Mid	10000.0 - 20000.0	-63.57	-13	-50.57
		High	30.0 - 1850.0	-53.10	-13	-40.10
		High	1916.0 - 10000.0	-38.81	-13	-25.81
		High	10000.0 - 20000.0	-63.62	-13	-50.62

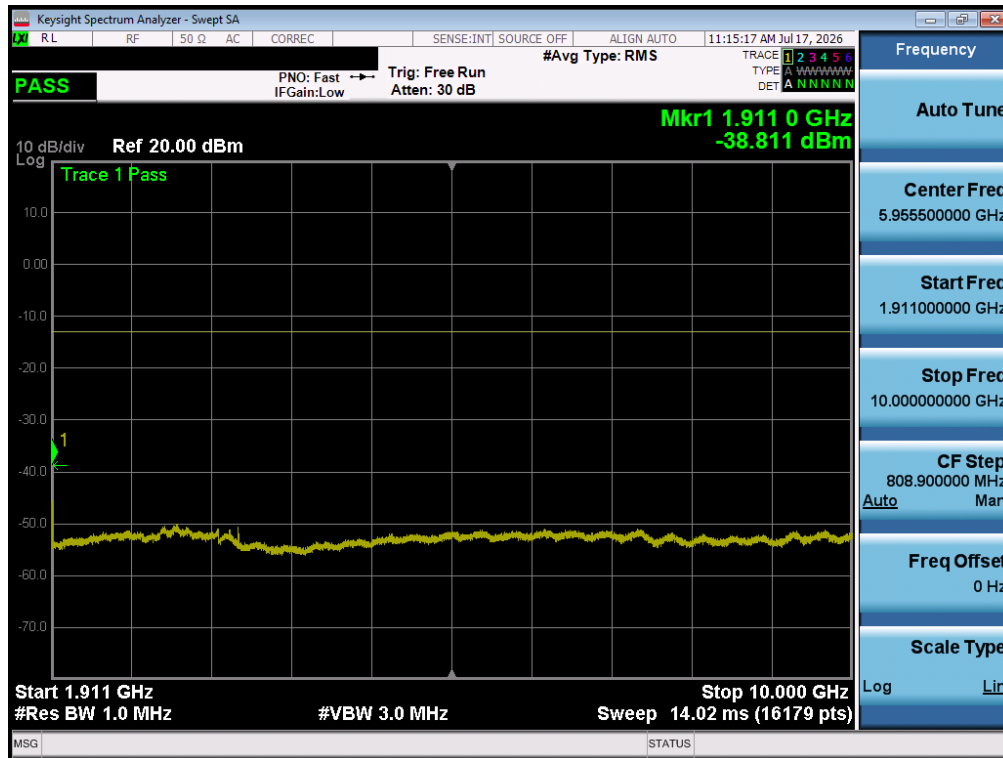
Table 7-4. Conducted Emission Test Results

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

LTE Band 2

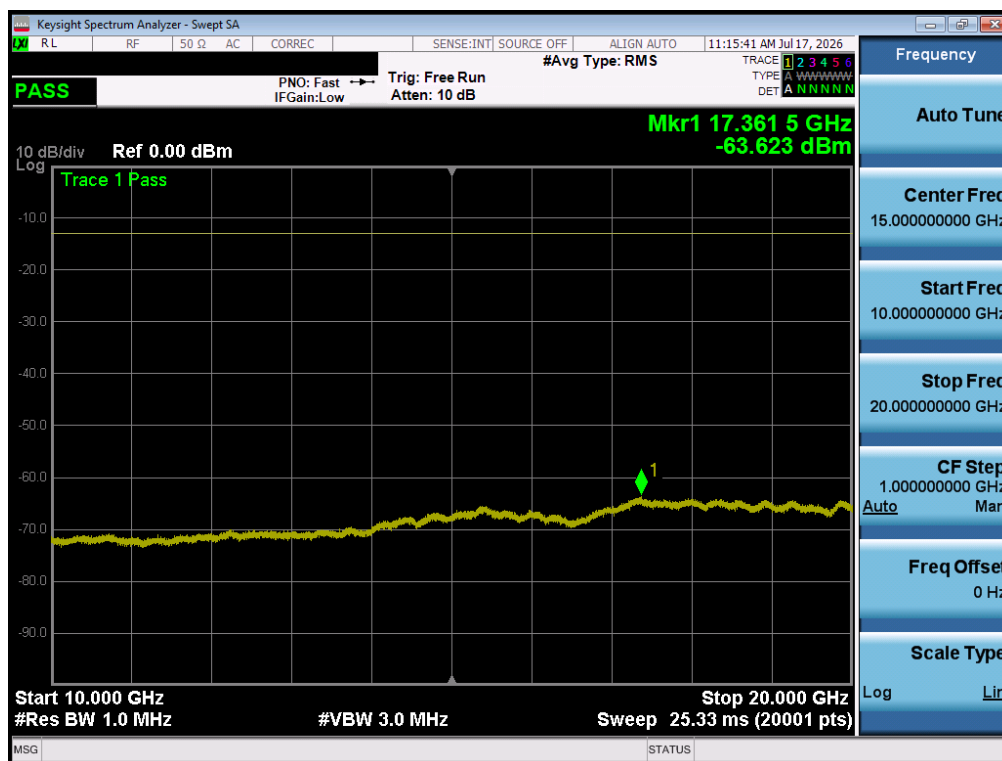


Plot 7-16. Conducted Spurious Plot (LTE Band 2 - 20MHz QPSK - 1RB - High Channel)



Plot 7-17. Conducted Spurious Plot (LTE Band/2 - 20MHz QPSK - 1RB - High Channel)

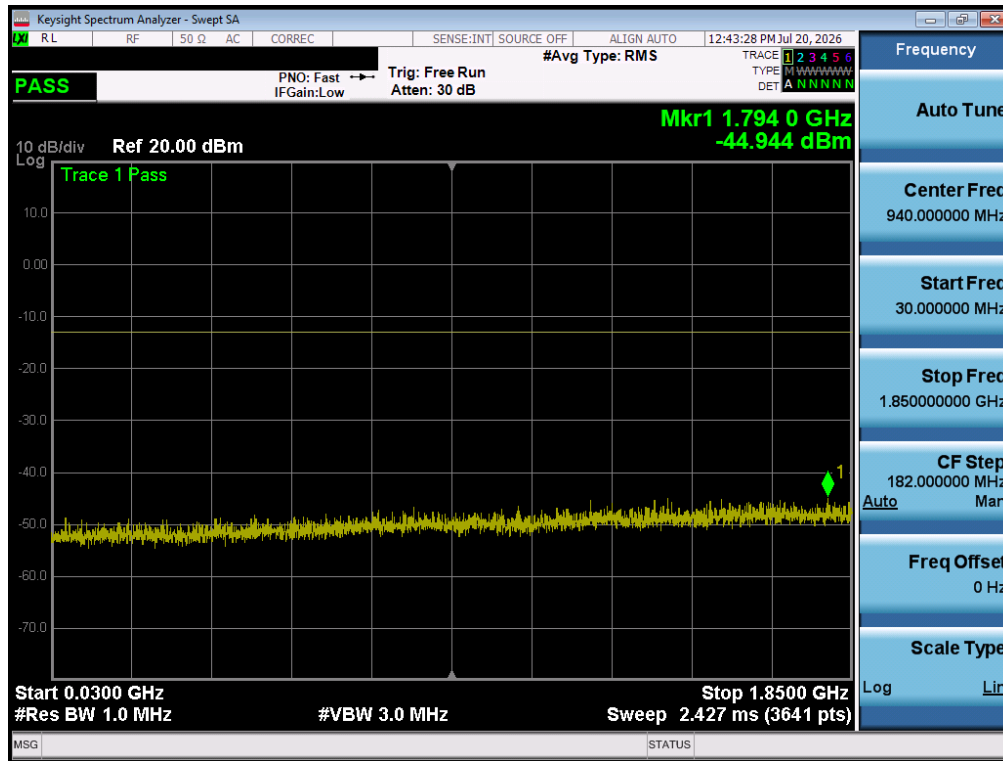
FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 27 of 65



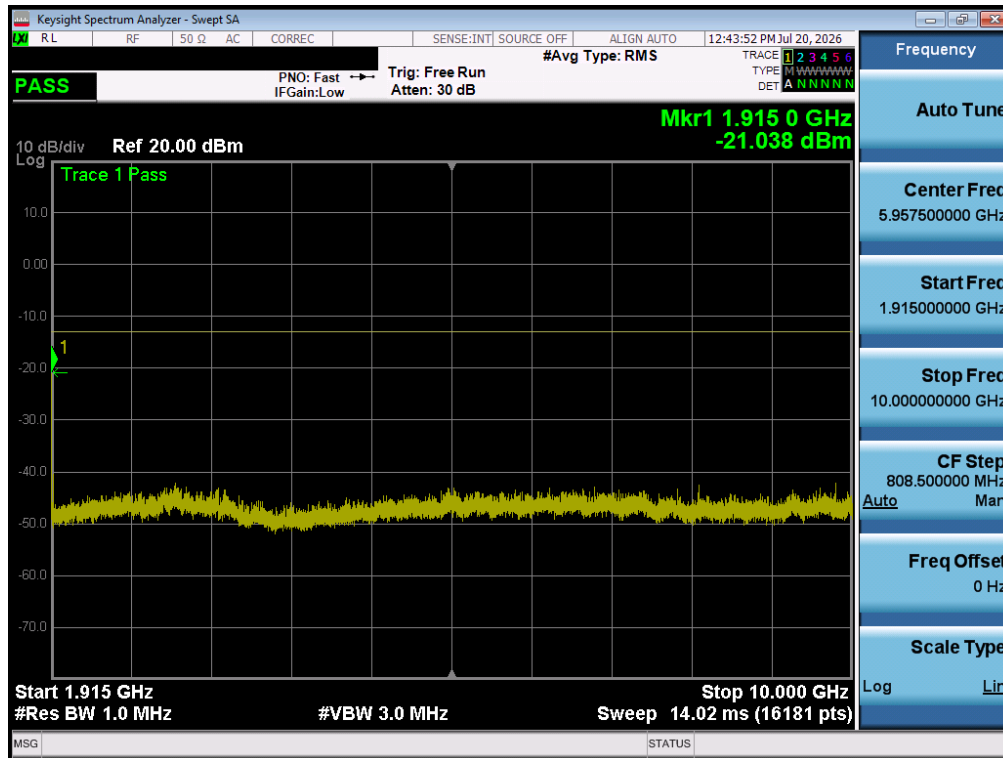
Plot 7-18. Conducted Spurious Plot (LTE Band 2 - 20MHz QPSK - 1RB - High Channel)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

GSM/GPRS PCS

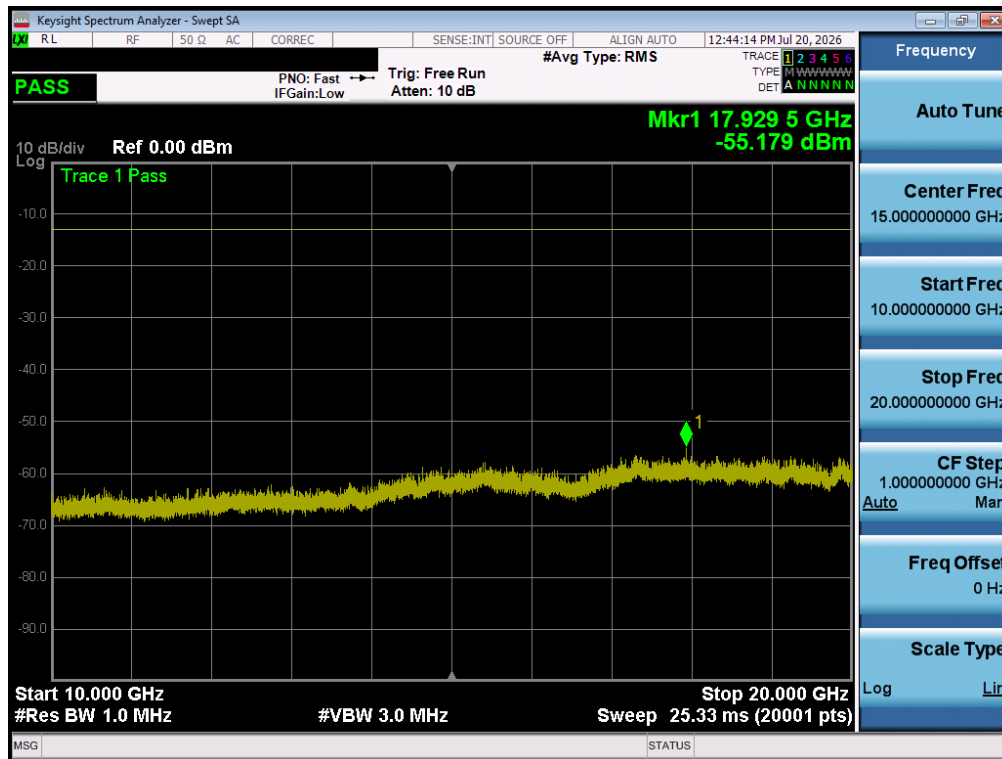


Plot 7-19. Conducted Spurious Plot (GPRS Ch. 810)



Plot 7-20. Conducted Spurious Plot (GPRS Ch. 810)

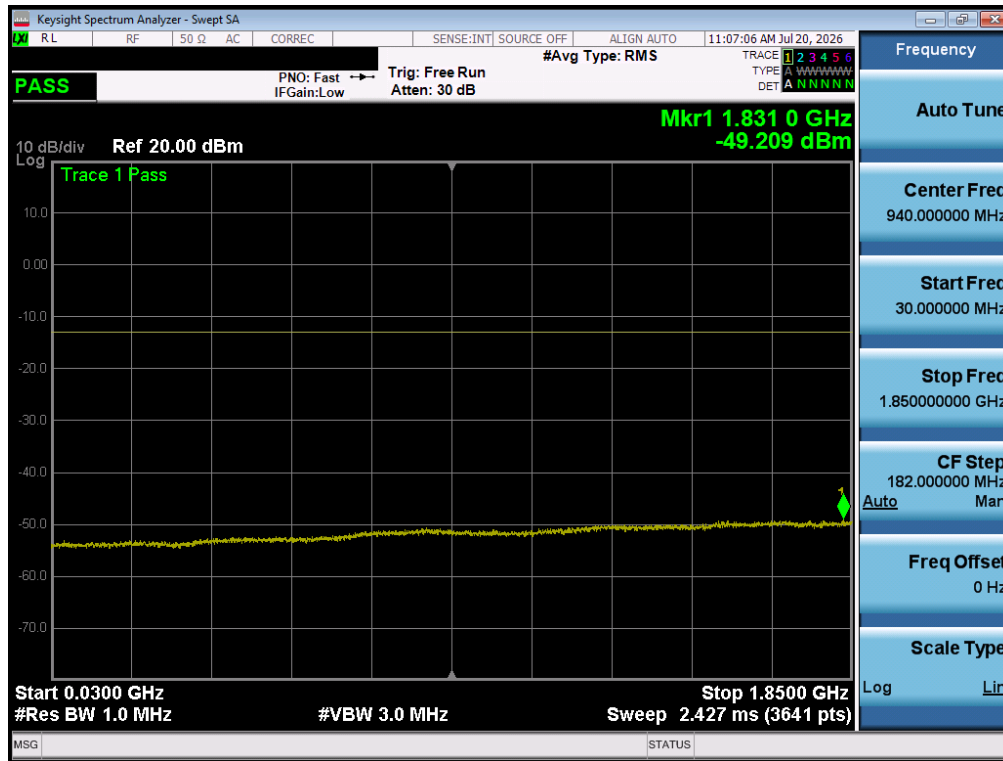
FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 29 of 65



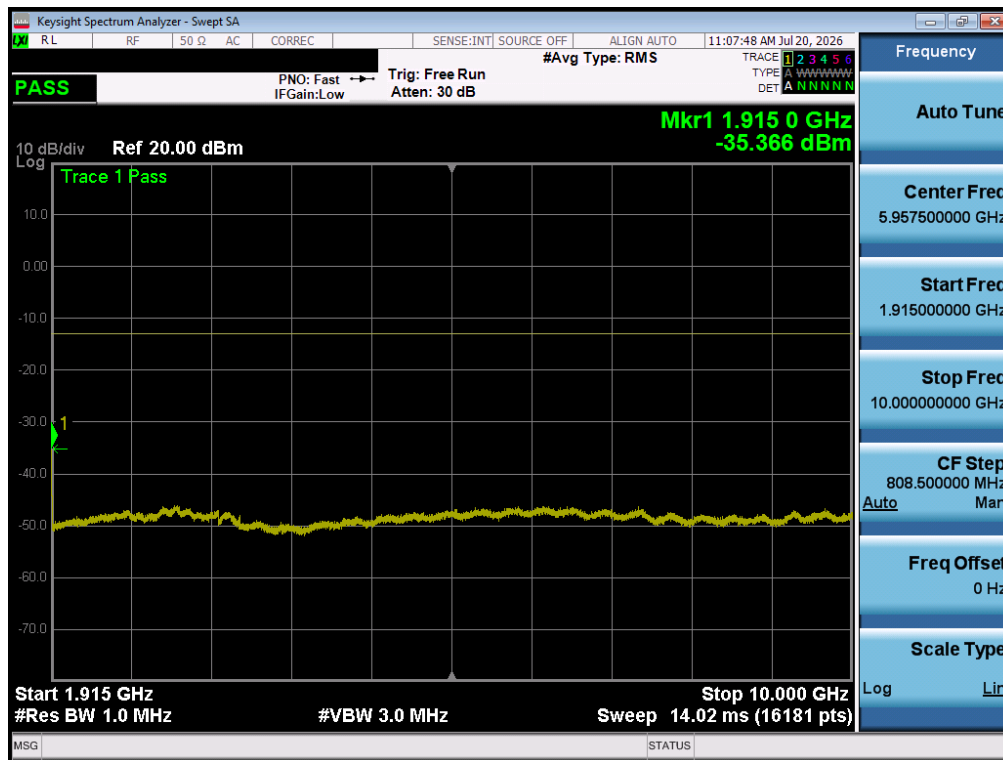
Plot 7-21. Conducted Spurious Plot (GPRS Ch. 810)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

WCDMA PCS

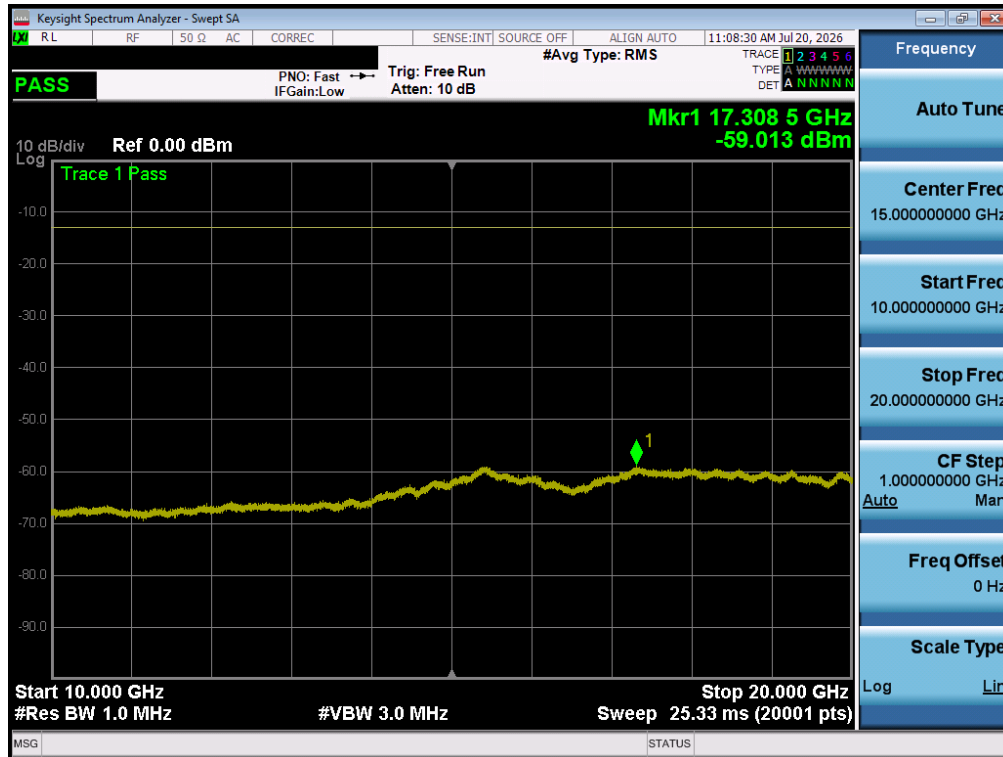


Plot 7-22. Conducted Spurious Plot (WCDMA Ch. 9538)



Plot 7-23. Conducted Spurious Plot (WCDMA Ch. 9538)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65



Plot 7-24. Conducted Spurious Plot (WCDMA Ch. 9538)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

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 $\geq 2 \times$ 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.

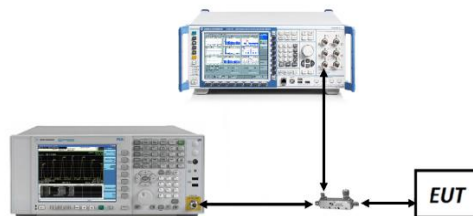


Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

Test Notes

1. Per 24.238(b), 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.

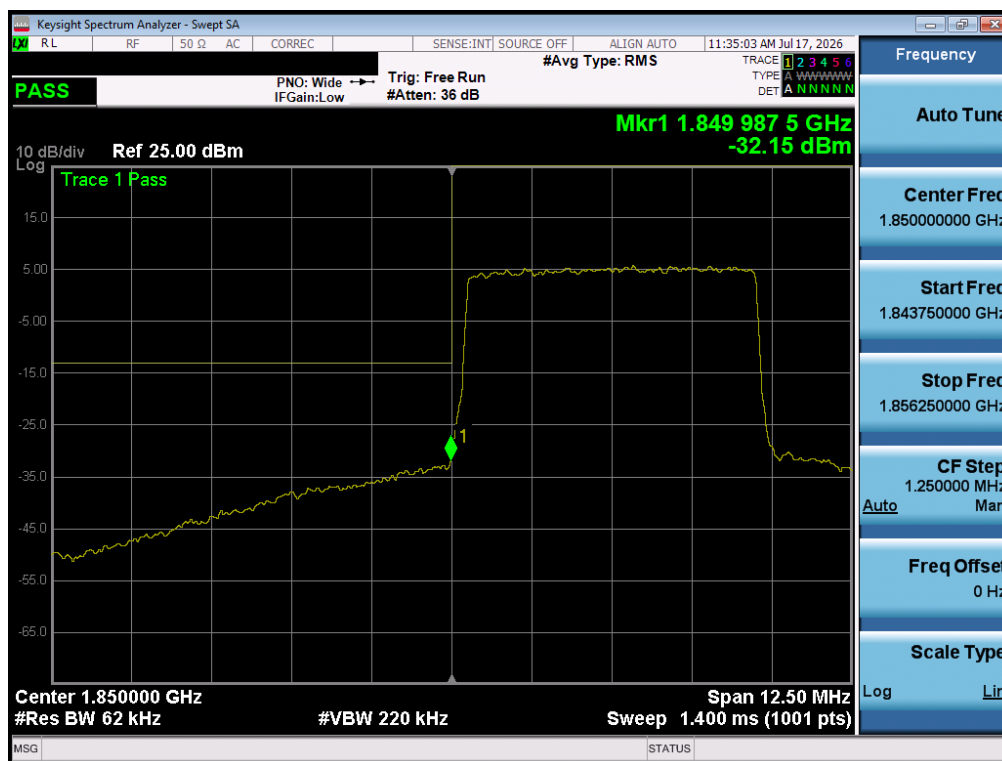
FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 34 of 65

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-PCS	250kHz	Low	Band Edge	-16.20	-13	-3.20
		High	Band Edge	-17.88	-13	-4.88
WCDMA-PCS	5MHz	Low	Band Edge	-24.01	-13	-11.01
		Low	Extended	-25.95	-13	-12.95
		High	Band Edge	-19.56	-13	-6.56
		High	Extended	-22.68	-13	-9.68
		High	Extended	-22.68	-13	-9.68
LTE-B2	20MHz	Low	Band Edge	-30.26	-13	-17.26
		Low	Extended	-25.05	-13	-12.05
		High	Band Edge	-30.43	-13	-17.43
		High	Extended	-24.13	-13	-11.13
		High	Extended	-24.13	-13	-11.13
	15MHz	Low	Band Edge	-30.47	-13	-17.47
		Low	Extended	-23.89	-13	-10.89
		High	Band Edge	-29.96	-13	-16.96
		High	Extended	-40.55	-13	-27.55
	10MHz	Low	Band Edge	-31.36	-13	-18.36
		Low	Extended	-22.49	-13	-9.49
		High	Band Edge	-30.17	-13	-17.17
		High	Extended	-20.36	-13	-7.36
	5MHz	Low	Band Edge	-32.15	-13	-19.15
		Low	Extended	-24.61	-13	-11.61
		High	Band Edge	-30.05	-13	-17.04
		High	Extended	-22.07	-13	-9.07
	3MHz	Low	Band Edge	-28.38	-13	-15.38
		Low	Extended	-25.87	-13	-12.87
		High	Band Edge	-28.79	-13	-15.79
		High	Extended	-23.36	-13	-10.36
	1.4MHz	Low	Band Edge	-33.13	-13	-20.13
		Low	Extended	-30.21	-13	-17.21
		High	Band Edge	-32.65	-13	-19.65
		High	Extended	-27.69	-13	-14.69

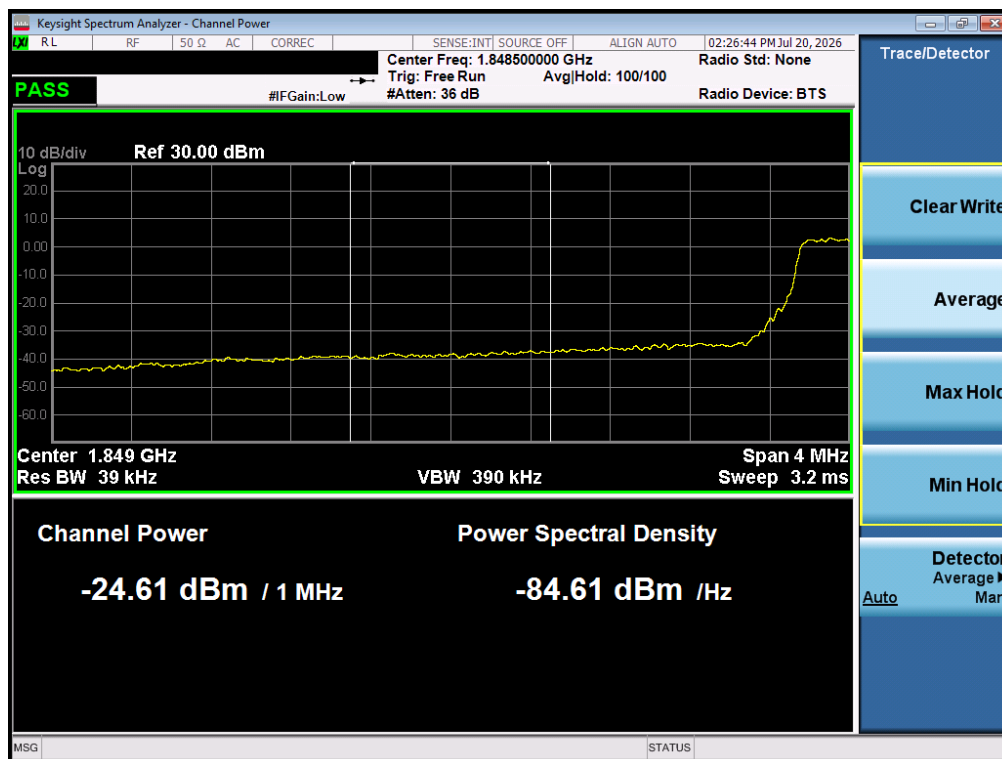
Table 7-5. Conducted Emission Test Results

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

LTE Band 2



Plot 7-25. Lower Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB)

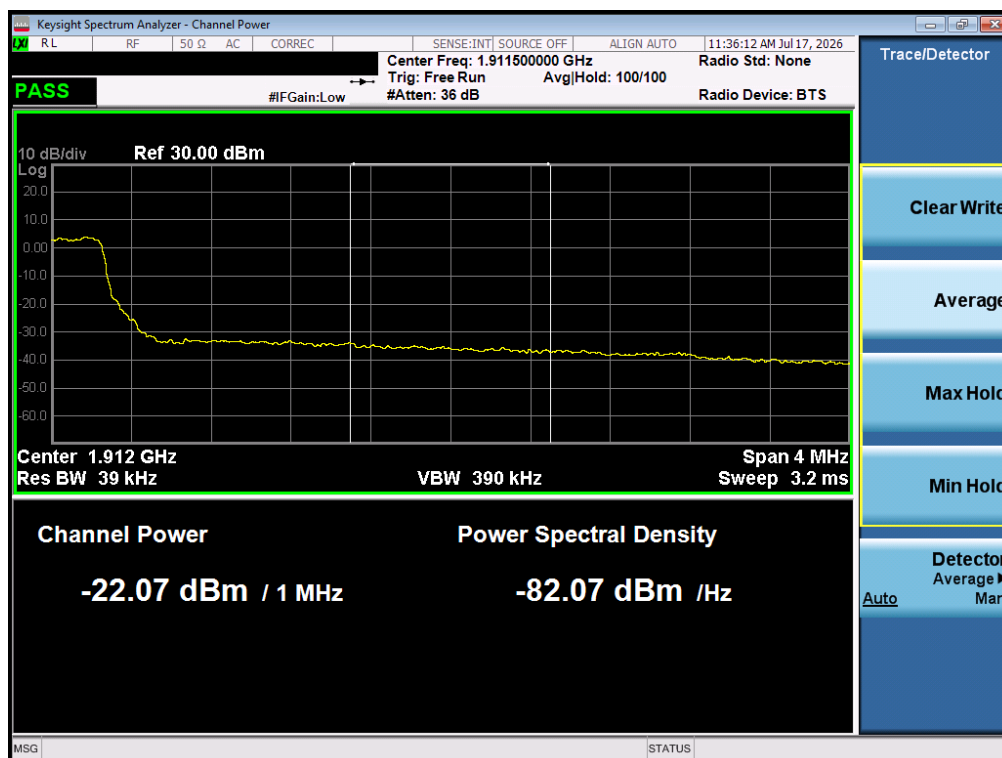


Plot 7-26. Extended Lower Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65



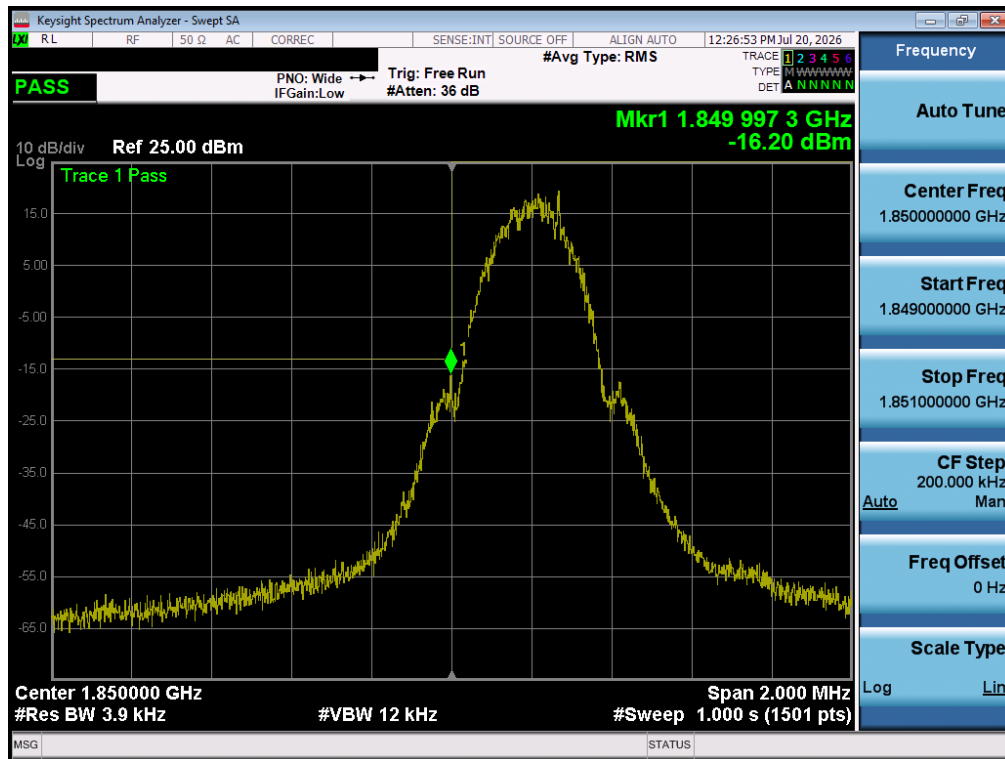
Plot 7-27. Upper Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB)



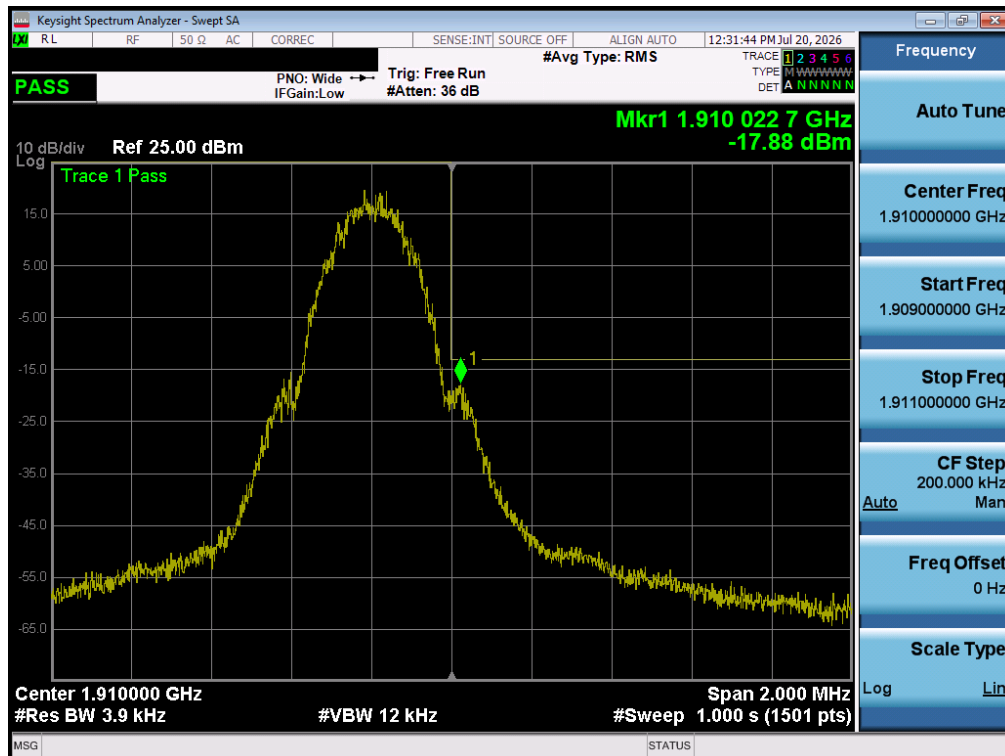
Plot 7-28. Extended Upper Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

GSM/GPRS PCS



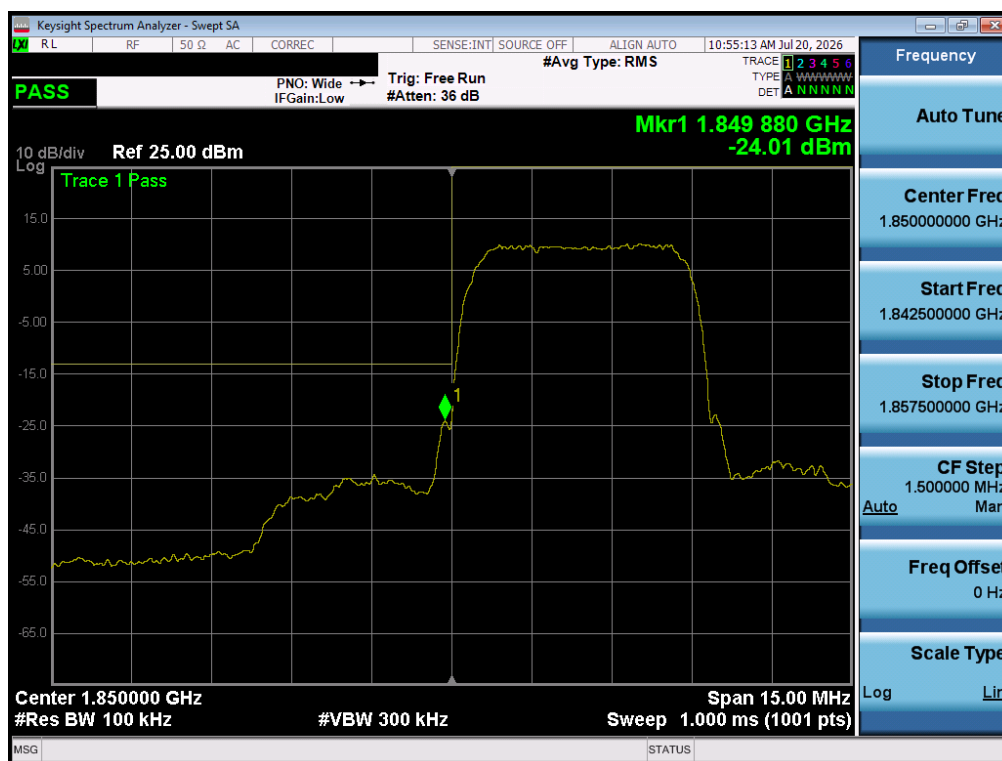
Plot 7-29. Lower Band Edge Plot (GPRS PCS – Ch. 512)



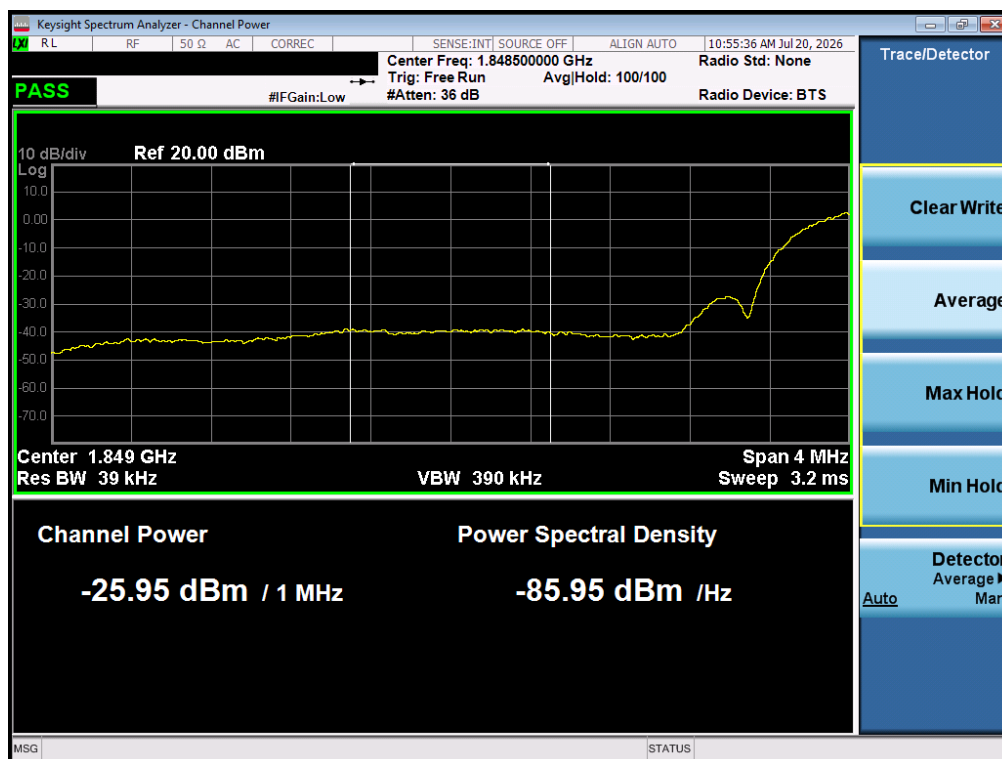
Plot 7-30. Upper Band Edge Plot (GPRS PCS – Ch. 810)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

WCDMA PCS



Plot 7-31. Lower Band Edge Plot (WCDMA PCS – Ch. 9262)

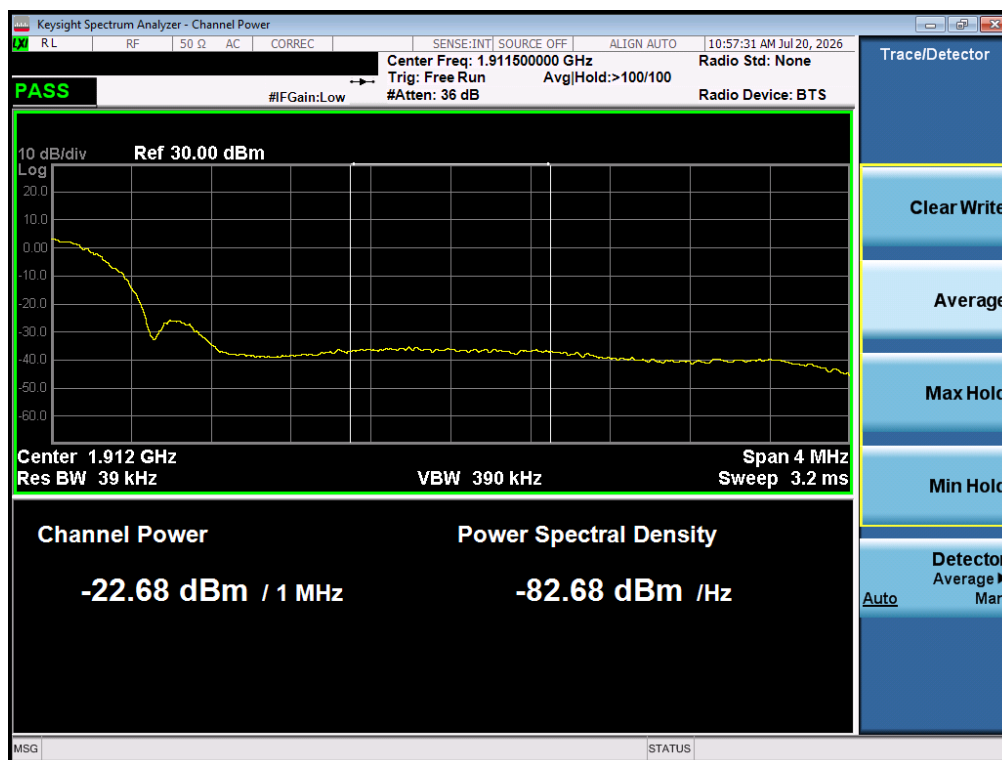


Plot 7-32. Extended Lower Band Edge Plot (WCDMA PCS – Ch. 9262)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65



Plot 7-33. Upper Band Edge Plot (WCDMA PCS – Ch. 9538)



Plot 7-34. Extended Upper Band Edge Plot (WCDMA PCS – Ch. 9538)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

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.

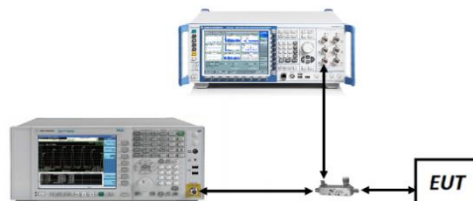


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

For the QAM modulations, 64QAM was found to have the worst-case peak-to-average ratio so it is the only QAM measurement included in this section.

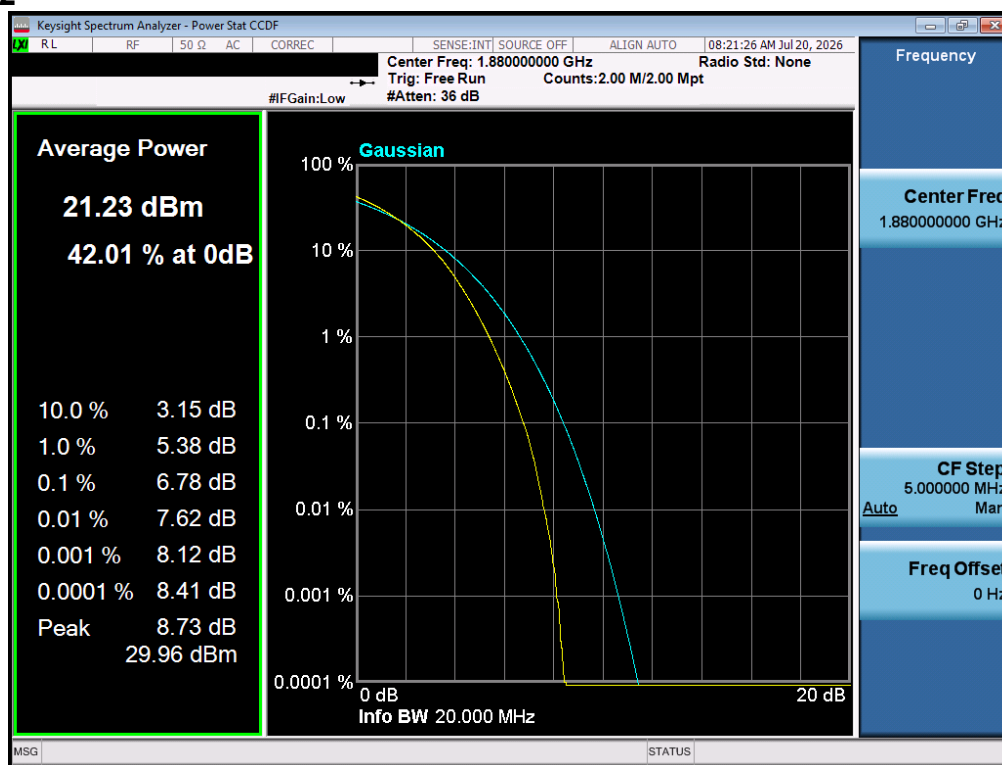
FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 41 of 65

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM-PCS	N/A	GMSK	28.01	2.90	13	-10.10
GSM-PCS EDGE		8-PSK	23.54	7.45	13	-5.55
WCDMA-PCS		Spread Spectrum	24.76	3.14	13	-9.86
LTE-B2	20MHz	QPSK	23.20	5.82	13	-7.18
		64QAM	21.23	6.78	13	-6.22
	15MHz	QPSK	23.20	5.89	13	-7.11
		64QAM	21.25	6.81	13	-6.19
	10MHz	QPSK	23.20	5.91	13	-7.09
		64QAM	21.24	6.72	13	-6.28
	5MHz	QPSK	23.20	5.95	13	-7.05
		64QAM	21.22	6.77	13	-6.23
	3MHz	QPSK	23.06	5.86	13	-7.14
		64QAM	21.10	6.72	13	-6.28
	1.4MHz	QPSK	23.16	6.02	13	-6.98
		64QAM	21.21	6.80	13	-6.20

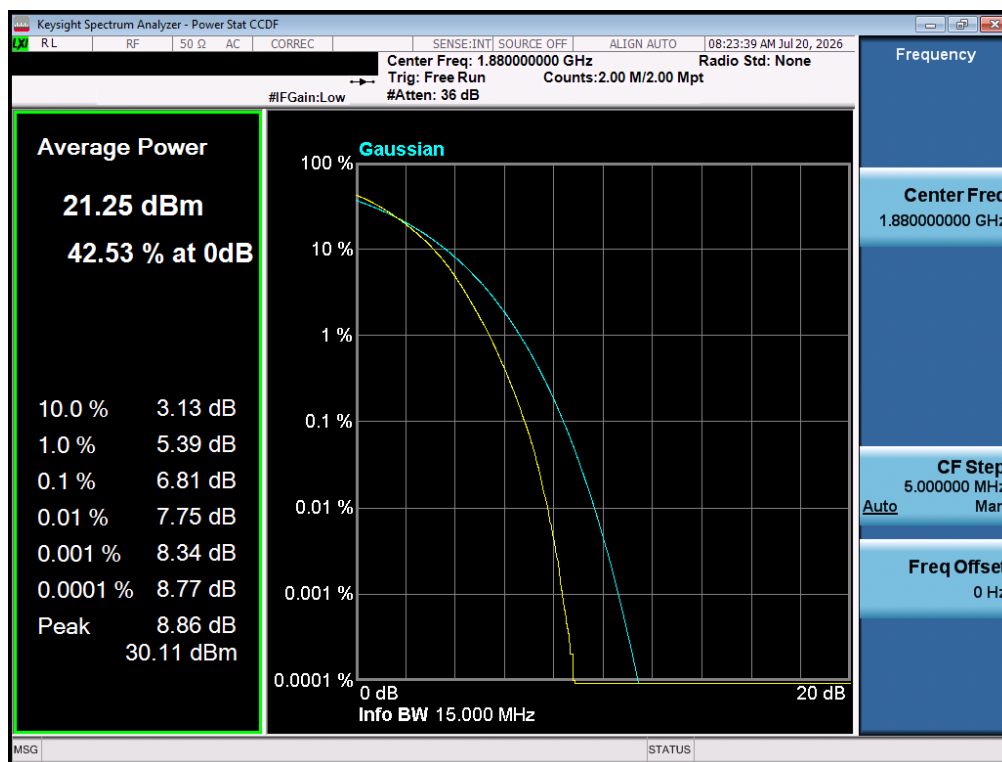
Table 7-6. Peak-Average Ratio Results

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

LTE Band 2

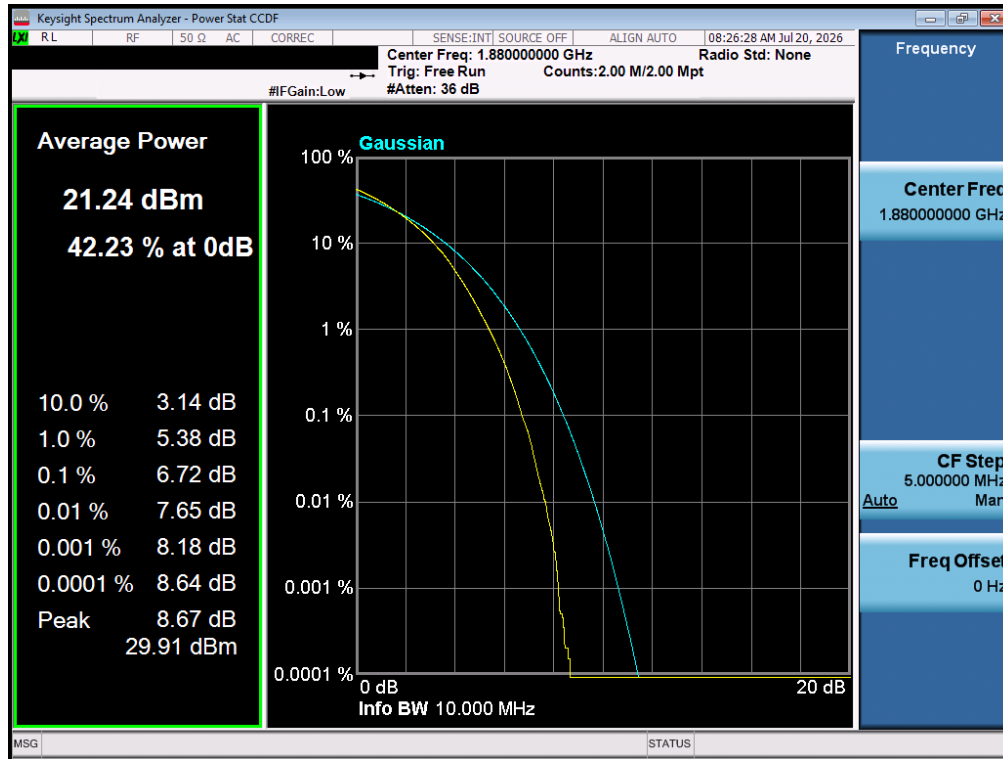


Plot 7-35. PAR Plot (LTE Band 2 - 20MHz 64-QAM - Full RB)

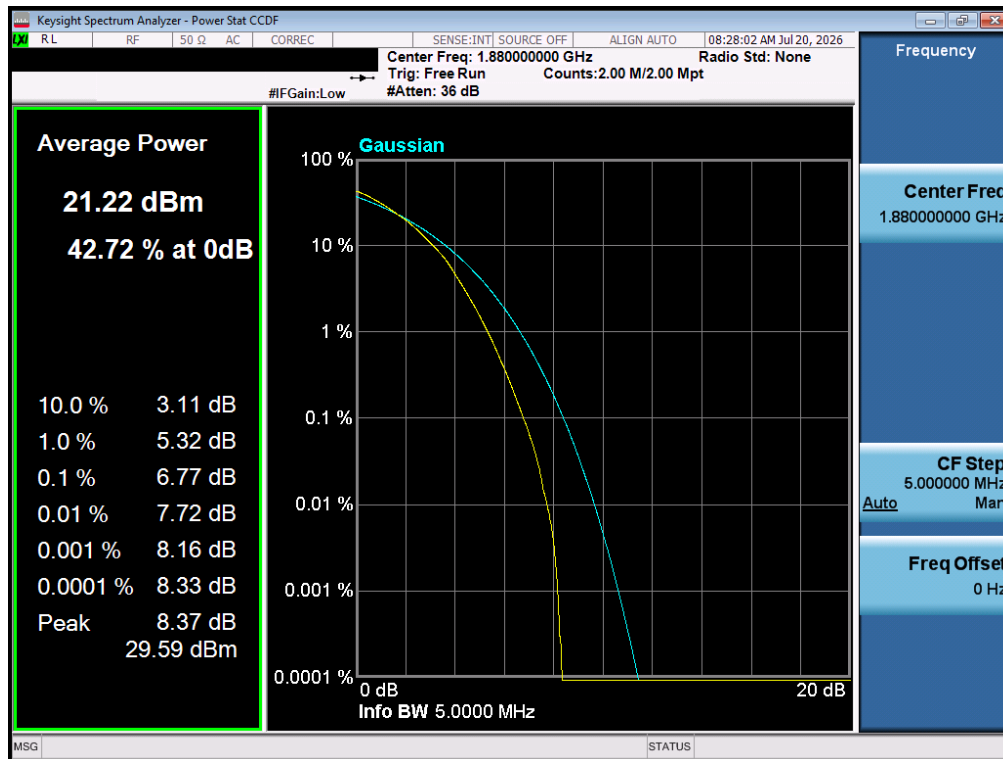


Plot 7-36. PAR Plot (LTE Band 2 - 15MHz 64-QAM - Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

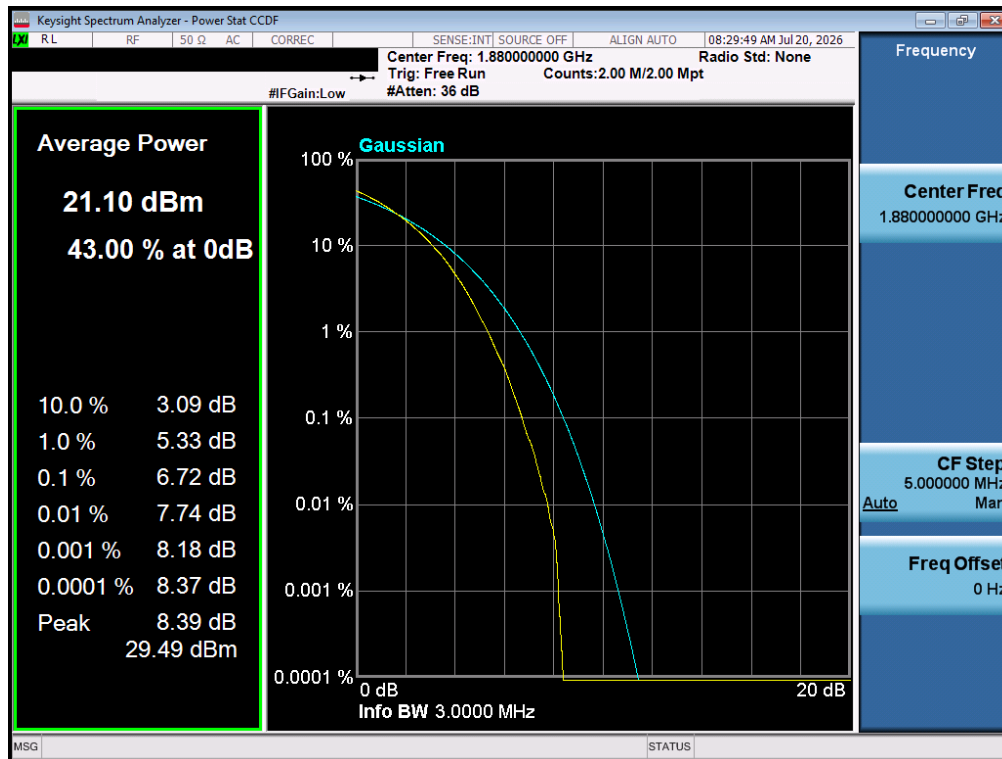


Plot 7-37. PAR Plot (LTE Band 2 - 10MHz 64-QAM - Full RB)

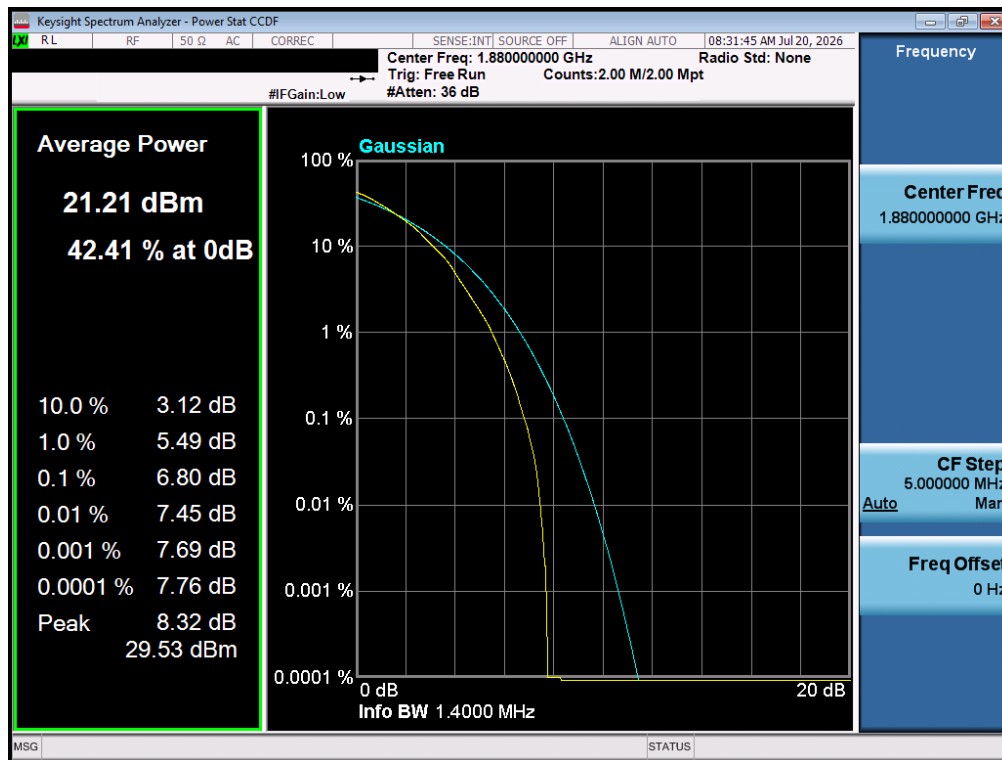


Plot 7-38. PAR Plot (LTE Band 2 - 5MHz 64-QAM - Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65



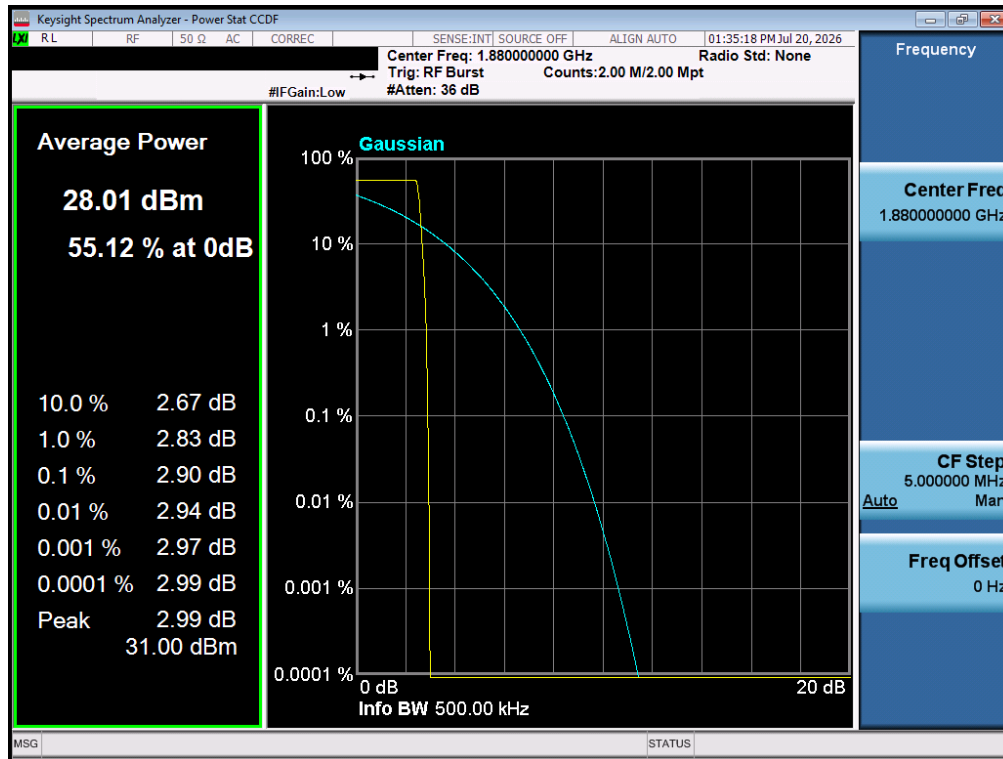
Plot 7-39. PAR Plot (LTE Band 2 - 3MHz 64-QAM - Full RB)



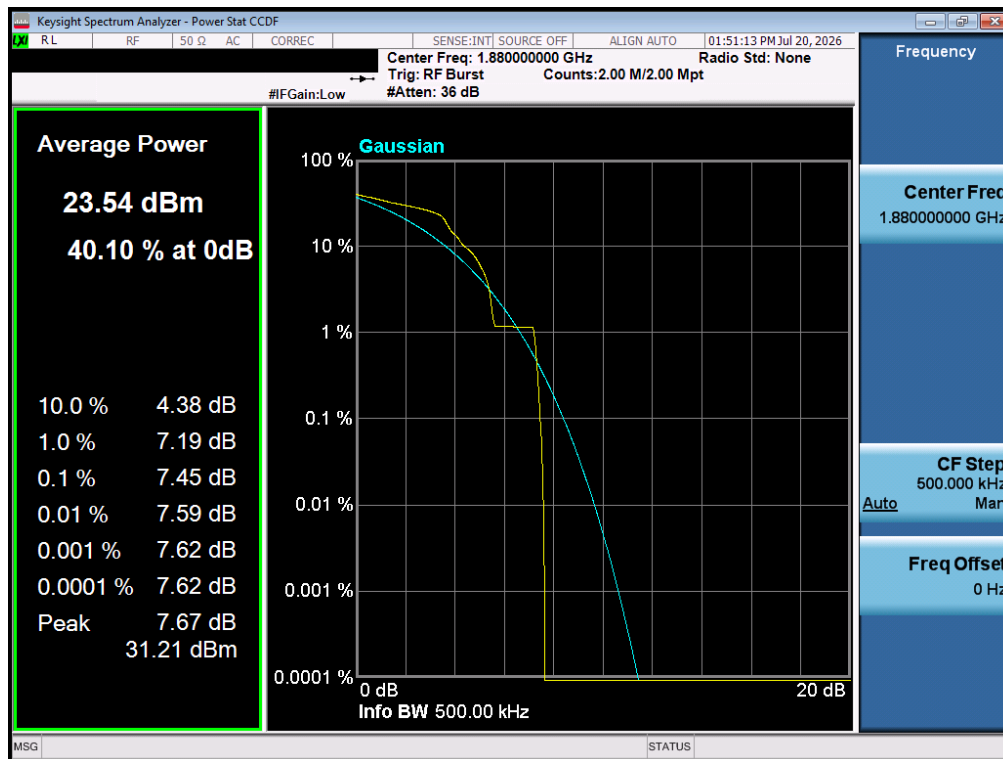
Plot 7-40. PAR Plot (LTE Band 2 - 3MHz 64-QAM - Full RB)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

GSM/GPRS PCS



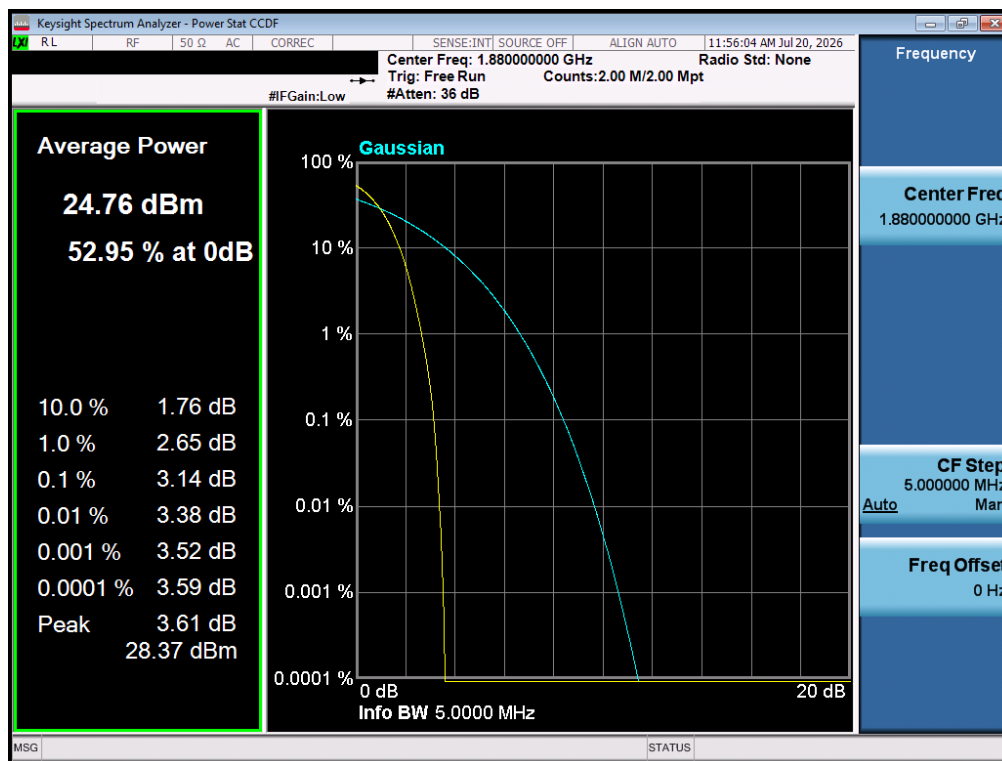
Plot 7-41. PAR Plot (GPRS, Ch. 661)



Plot 7-42. PAR Plot (EDGE, Ch. 661)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 46 of 65

WCDMA PCS



Plot 7-43. PAR Plot (WCDMA, Ch. 9400)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

7.7 Radiated Power (EIRP)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26:2015 with the EUT transmitting into an integral antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26:2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

Test Setup

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

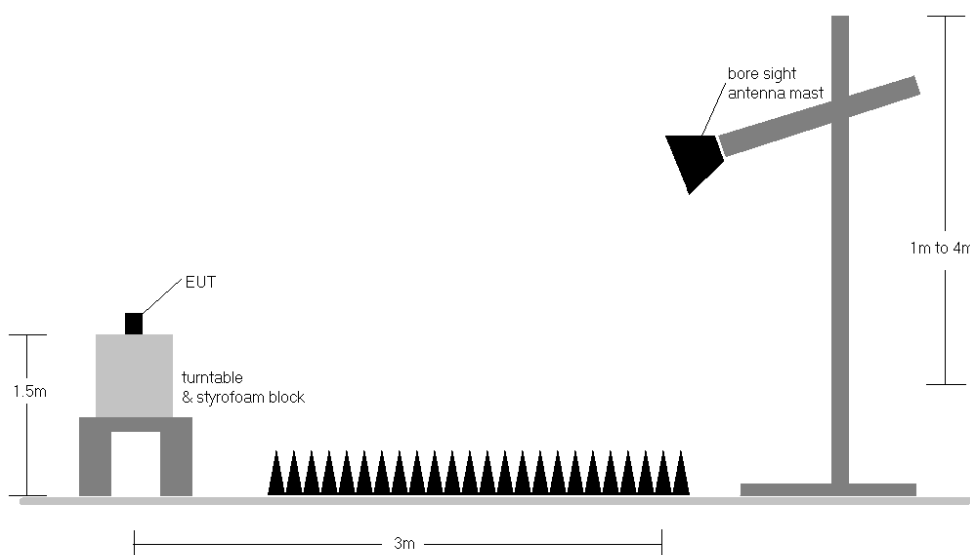


Figure 7-6. Radiated Test Setup >1GHz

Test Notes

- 1) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 2) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 3) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 4) This unit was tested with its standard battery.

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1860.00	H	125	11	2.69	1 / 99	19.48	22.17	0.165	33.01	-10.84
	QPSK	1880.00	H	128	14	2.54	1 / 50	19.70	22.24	0.168	33.01	-10.77
	QPSK	1900.00	H	122	10	2.71	1 / 50	19.56	22.27	0.169	33.01	-10.74
	16-QAM	1860.00	H	125	11	2.69	1 / 99	18.71	21.40	0.138	33.01	-11.61
	16-QAM	1880.00	H	128	14	2.54	1 / 50	18.97	21.51	0.142	33.01	-11.50
15 MHz	16-QAM	1900.00	H	122	10	2.71	1 / 50	18.81	21.52	0.142	33.01	-11.49
	QPSK	1857.50	H	125	11	2.72	1 / 37	19.46	22.18	0.165	33.01	-10.83
	QPSK	1880.00	H	128	14	2.54	1 / 37	19.83	22.37	0.173	33.01	-10.64
	QPSK	1902.50	H	122	10	2.69	1 / 37	19.62	22.31	0.170	33.01	-10.70
	16-QAM	1857.50	H	125	11	2.72	1 / 37	18.54	21.26	0.134	33.01	-11.75
10 MHz	16-QAM	1880.00	H	128	14	2.54	1 / 37	18.80	21.34	0.136	33.01	-11.67
	16-QAM	1902.50	H	122	10	2.69	1 / 37	18.62	21.31	0.135	33.01	-11.70
	QPSK	1855.00	H	125	11	2.75	1 / 25	19.43	22.19	0.165	33.01	-10.82
	QPSK	1880.00	H	128	14	2.54	1 / 0	19.76	22.30	0.170	33.01	-10.71
	QPSK	1905.00	H	122	10	2.67	1 / 25	19.57	22.24	0.168	33.01	-10.77
5 MHz	16-QAM	1855.00	H	125	11	2.75	1 / 25	18.71	21.47	0.140	33.01	-11.54
	16-QAM	1880.00	H	128	14	2.54	1 / 0	18.89	21.43	0.139	33.01	-11.58
	16-QAM	1905.00	H	122	10	2.67	1 / 25	18.59	21.26	0.134	33.01	-11.75
	QPSK	1852.50	H	125	11	2.79	1 / 12	19.34	22.13	0.163	33.01	-10.88
	QPSK	1880.00	H	128	14	2.54	1 / 12	19.71	22.25	0.168	33.01	-10.76
3 MHz	QPSK	1907.50	H	122	10	2.65	1 / 12	19.61	22.26	0.168	33.01	-10.75
	16-QAM	1852.50	H	125	11	2.79	1 / 12	18.50	21.29	0.134	33.01	-11.72
	16-QAM	1880.00	H	128	14	2.54	1 / 12	18.81	21.35	0.137	33.01	-11.66
	16-QAM	1907.50	H	122	10	2.65	1 / 12	18.77	21.42	0.139	33.01	-11.59
	QPSK	1851.50	H	125	11	2.80	1 / 0	19.09	21.90	0.155	33.01	-11.11
1.4 MHz	QPSK	1880.00	H	128	14	2.54	1 / 7	19.56	22.10	0.162	33.01	-10.91
	QPSK	1908.50	H	122	10	2.64	1 / 7	19.40	22.04	0.160	33.01	-10.97
	16-QAM	1851.50	H	125	11	2.80	1 / 0	18.58	21.39	0.138	33.01	-11.62
	16-QAM	1880.00	H	128	14	2.54	1 / 7	18.86	21.40	0.138	33.01	-11.61
	16-QAM	1908.50	H	122	10	2.64	1 / 7	18.48	21.12	0.129	33.01	-11.89
20 MHz	QPSK	1850.70	H	125	11	2.81	1 / 0	19.17	21.99	0.158	33.01	-11.02
	QPSK	1880.00	H	128	14	2.54	1 / 3	19.56	22.10	0.162	33.01	-10.91
	QPSK	1909.30	H	122	10	2.63	1 / 0	19.36	21.99	0.158	33.01	-11.02
	16-QAM	1850.70	H	125	11	2.81	1 / 0	18.62	21.44	0.139	33.01	-11.57
	16-QAM	1880.00	H	128	14	2.54	1 / 3	18.80	21.34	0.136	33.01	-11.67
20 MHz	Opposite Pol.	1900.00	V	151	51	2.43		19.25	21.68	0.147	33.01	-11.33

Table 7-7. EIRP Data (LTE Band 2)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GSM1900	H	128	12	25.54	2.82	28.36	0.685	33.01	-4.65
1880.00	GSM1900	H	121	10	26.04	2.54	28.58	0.722	33.01	-4.43
1909.80	GSM1900	H	1118	13	25.18	2.63	27.81	0.604	33.01	-5.20
1880.00	GSM1900	V	105	90	25.67	2.21	27.88	0.613	33.01	-5.13
1880.00	EDGE1900	H	121	10	21.30	2.54	23.84	0.242	33.01	-9.17

Table 7-8. EIRP Data (GPRS PCS)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	H	170	22	18.06	2.79	20.85	0.122	33.01	-12.16
1880.00	WCDMA1900	H	170	17	17.81	2.54	20.35	0.108	33.01	-12.66
1907.60	WCDMA1900	H	170	19	17.80	2.65	20.45	0.111	33.01	-12.56
1852.40	WCDMA1900	V	112	85	16.71	2.56	19.27	0.085	33.01	-13.74

Table 7-9. EIRP Data (WCDMA PCS)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

7.8 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26:2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26:2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 51 of 65

Test Setup

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

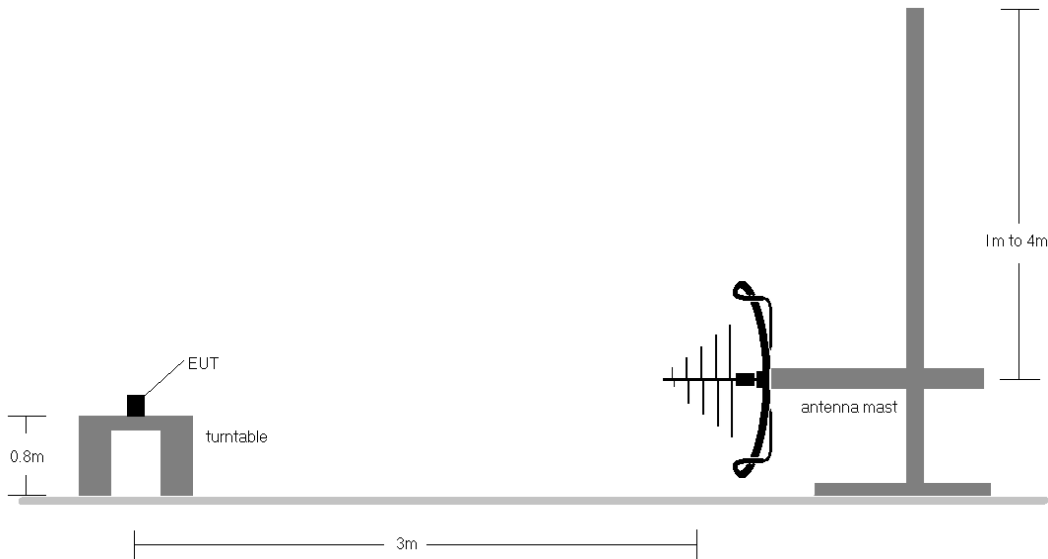


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

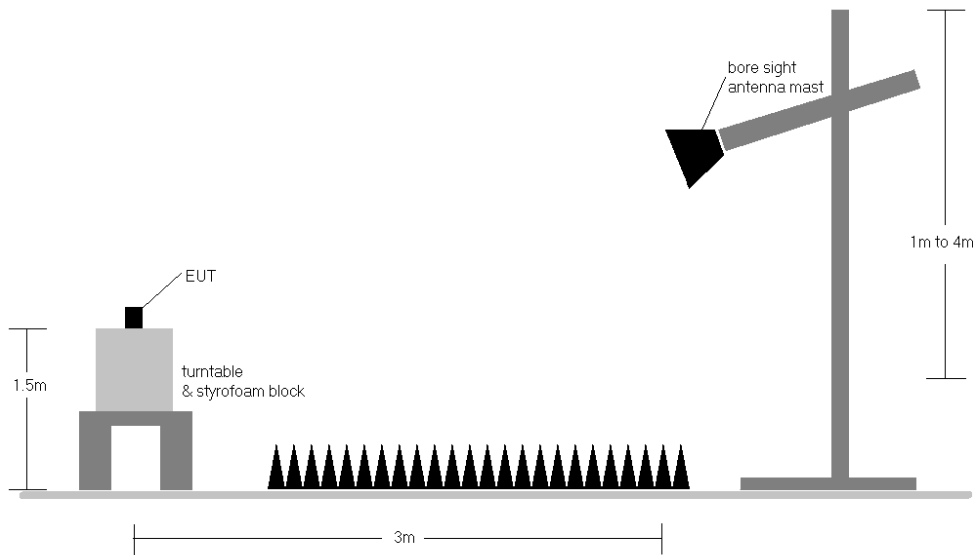


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

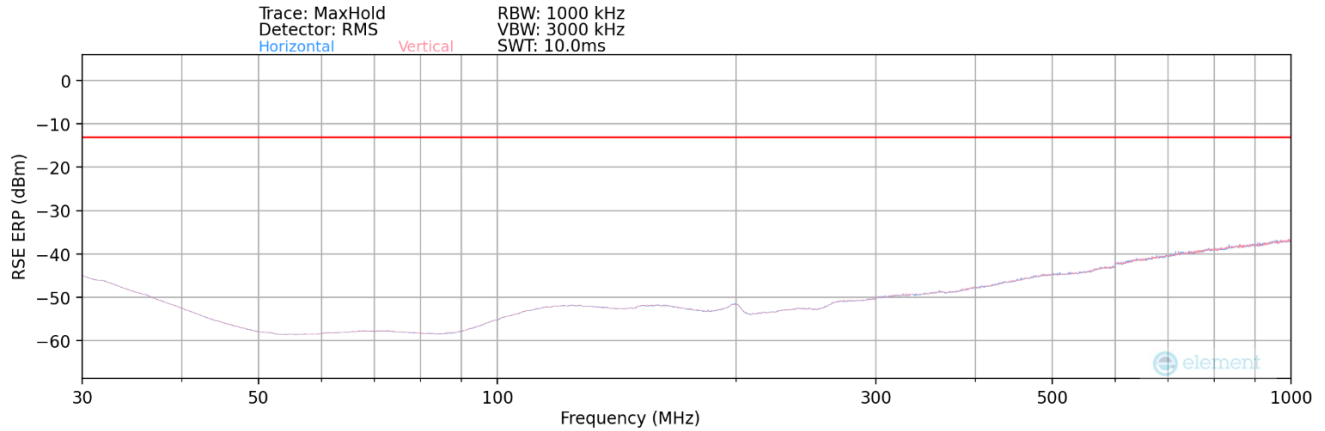
FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 52 of 65

Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26:2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 3) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 4) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 5) This unit was tested with its standard battery.
- 6) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 7) Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 8) The "-" shown in the following RSE tables are used to denote a noise floor measurement.

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 53 of 65

LTE Band 2

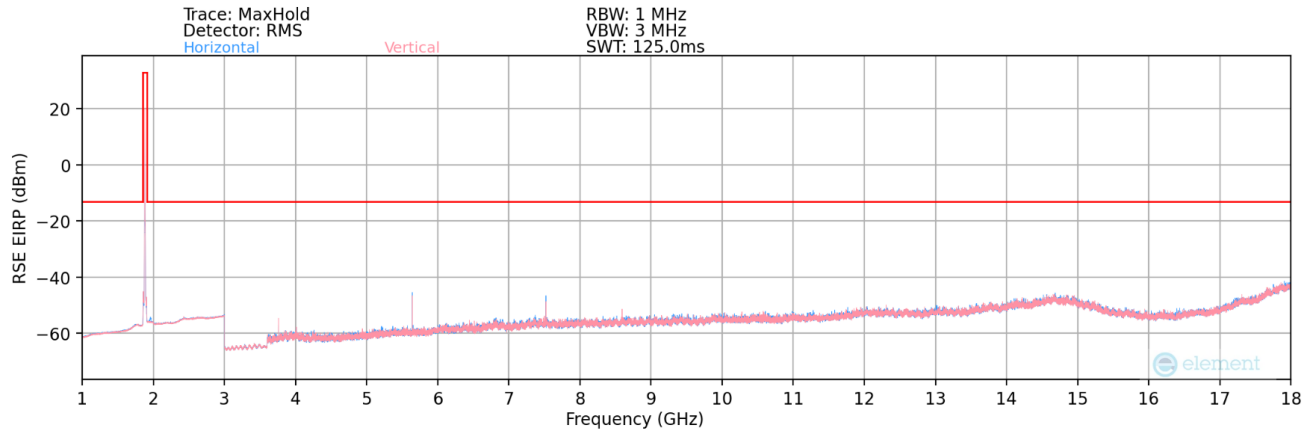


Plot 7-44. Radiated Spurious Plot (LTE Band 2)

Bandwidth (MHz):	20
Frequency (MHz):	1880
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
365.00	H	-	-	-96.74	22.33	32.59	-64.82	-13.00	-51.82

Table 7-10. Radiated Spurious Data (LTE Band 2)



Plot 7-45. Radiated Spurious Plot (LTE Band 2)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.00	V	132	117	-72.42	1.59	36.17	-59.08	-13.00	-46.08
4000.00	V	-	-	-78.61	2.54	30.93	-64.33	-13.00	-51.33
5580.00	H	117	327	-65.52	4.24	45.72	-49.54	-13.00	-36.54
7440.00	H	163	53	-69.86	8.07	45.21	-50.05	-13.00	-37.05
8625.00	V	-	-	-81.01	9.57	35.56	-59.70	-13.00	-46.70
9300.00	H	396	289	-80.47	9.72	36.25	-59.01	-13.00	-46.01
11160.00	H	227	54	-80.61	11.42	37.81	-57.44	-13.00	-44.44
13020.00	H	-	-	-82.07	14.25	39.18	-56.08	-13.00	-43.08
14880.00	H	-	-	-83.42	18.49	42.07	-53.19	-13.00	-40.19
16740.00	H	-	-	-82.52	14.08	38.56	-56.70	-13.00	-43.70

Table 7-11. Radiated Spurious Data (LTE Band 2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1880
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.00	V	131	350	-71.75	1.53	36.78	-58.48	-13.00	-45.48
4000.00	V	-	-	-78.63	2.54	30.91	-64.35	-13.00	-51.35
5640.00	H	116	350	-64.67	4.41	46.74	-48.52	-13.00	-35.52
7520.00	H	159	50	-68.07	8.17	47.10	-48.16	-13.00	-35.16
8625.00	V	-	-	-81.04	9.57	35.53	-59.73	-13.00	-46.73
9400.00	H	120	322	-78.85	10.45	38.60	-56.66	-13.00	-43.66
11280.00	H	199	73	-78.93	11.58	39.65	-55.60	-13.00	-42.60
13160.00	H	-	-	-81.86	13.76	38.90	-56.35	-13.00	-43.35
15040.00	H	-	-	-82.40	16.68	41.28	-53.98	-13.00	-40.98
16920.00	H	-	-	-83.16	14.66	38.50	-56.76	-13.00	-43.76

Table 7-12. Radiated Spurious Data (LTE Band 2 – Mid Channel)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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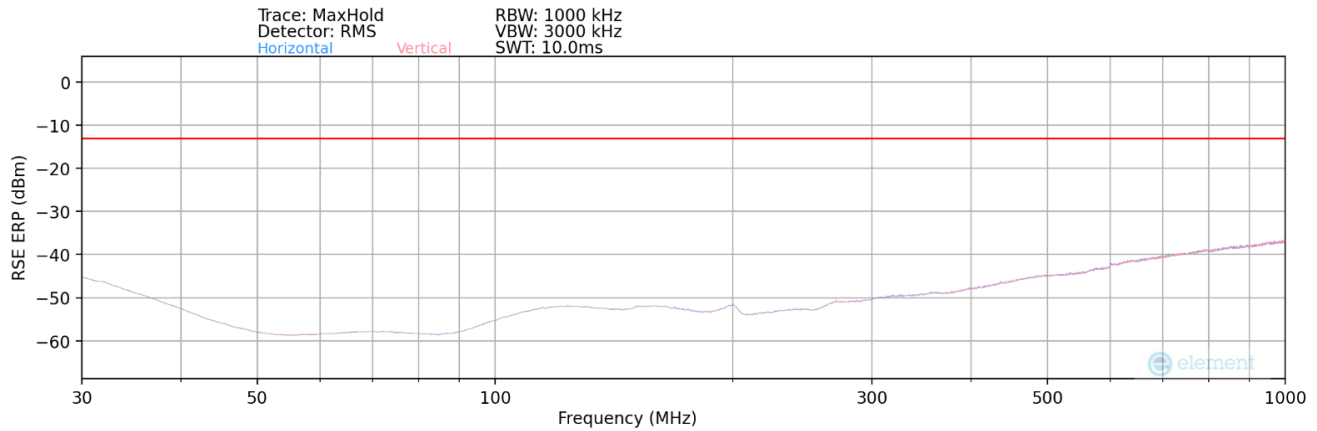
Bandwidth (MHz):	20
Frequency (MHz):	1900
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3800.00	V	173	111	-70.29	1.74	38.45	-56.81	-13.00	-43.81
4000.00	V	-	-	-78.64	2.54	30.90	-64.36	-13.00	-51.36
5700.00	H	122	85	-68.37	4.33	42.96	-52.30	-13.00	-39.30
7600.00	H	149	50	-69.33	8.53	46.20	-49.05	-13.00	-36.05
8625.00	V	-	-	-81.01	9.57	35.56	-59.70	-13.00	-46.70
9500.00	H	130	104	-79.25	10.30	38.05	-57.21	-13.00	-44.21
11400.00	H	291	86	-77.92	11.59	40.67	-54.58	-13.00	-41.58
13300.00	H	-	-	-82.41	14.31	38.90	-56.35	-13.00	-43.35
15200.00	H	-	-	-82.49	16.28	40.79	-54.47	-13.00	-41.47
17100.00	H	-	-	-82.31	15.57	40.26	-55.00	-13.00	-42.00

Table 7-13. Radiated Spurious Data (LTE Band 2 – High Channel)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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GSM/GPRS PCS

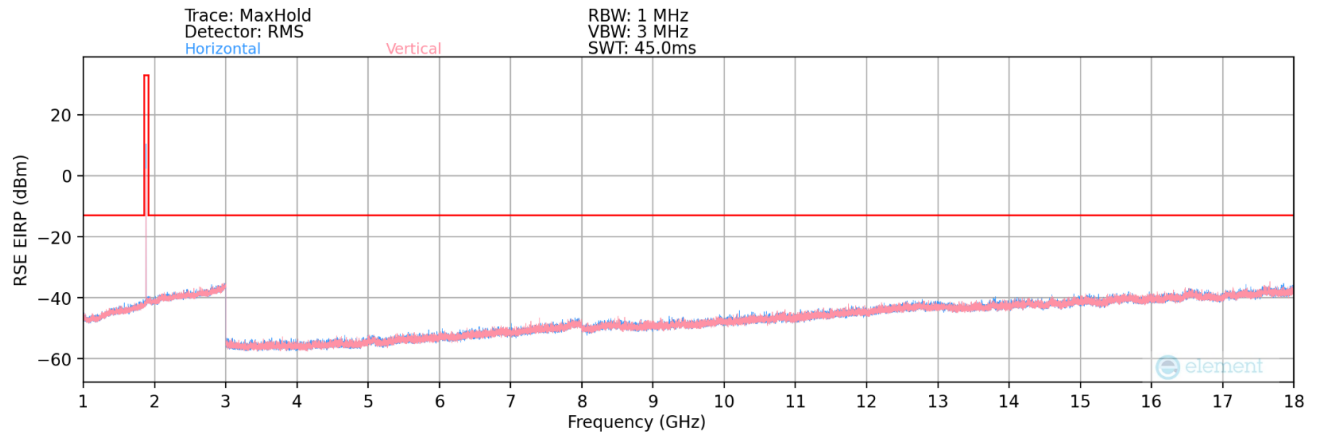


Plot 7-46. Radiated Spurious Plot (GPRS PCS)

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
202.18	H	-	-	-97.17	19.34	29.17	-68.24	-13.00	-55.24

Table 7-14. Radiated Spurious Data (GRPS PCS)



Plot 7-47. Radiated Spurious Plot (GPRS PCS)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3700.40	H	-	-	-69.22	5.55	43.33	-51.93	-13.00	-38.93
5550.60	H	-	-	-70.44	8.83	45.39	-49.87	-13.00	-36.87
7400.80	H	-	-	-71.55	13.13	48.58	-46.68	-13.00	-33.68

Table 7-15. Radiated Spurious Data (GPRS PCS – Low Channel)

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.00	H	-	-	-69.20	5.74	43.54	-51.71	-13.00	-38.71
5640.00	H	-	-	-70.47	8.57	45.10	-50.15	-13.00	-37.15
7520.00	H	-	-	-72.00	13.29	48.29	-46.96	-13.00	-33.96

Table 7-16. Radiated Spurious Data (GPRS PCS – Mid Channel)

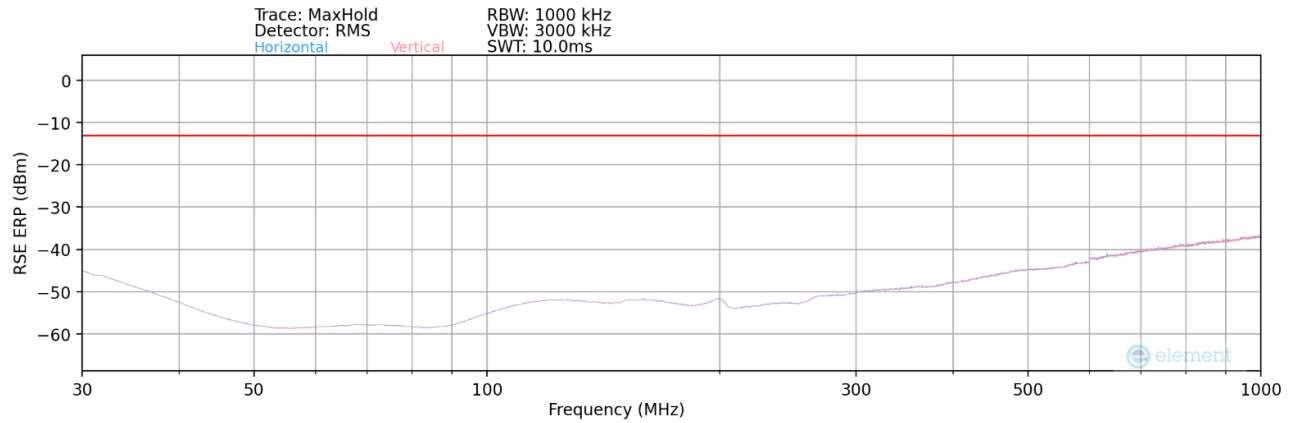
Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3819.60	H	-	-	-70.10	6.01	42.91	-52.35	-13.00	-39.35
5729.40	H	-	-	-70.78	9.02	45.24	-50.02	-13.00	-37.02
7639.20	H	-	-	-71.69	12.80	48.11	-47.14	-13.00	-34.14

Table 7-17. Radiated Spurious Data (GPRS PCS – High Channel)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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WCDMA PCS

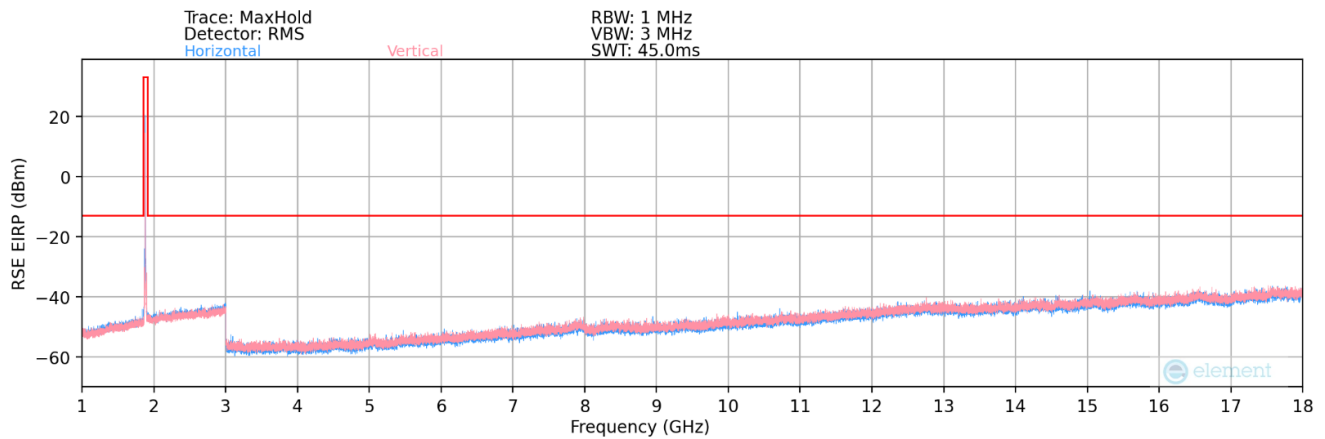


Plot 7-48. Radiated Spurious Plot (WCDMA PCS)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
107.11	V	-	-	-98.14	18.89	27.75	-69.66	-13.00	-56.66

Table 7-18. Radiated Spurious Data (WCDMA PCS)



Plot 7-49. Radiated Spurious Plot (WCDMA PCS)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.80	V	127	23	-77.30	1.61	31.31	-63.95	-13.00	-50.95
5557.20	V	340	286	-75.87	4.30	35.43	-59.83	-13.00	-46.83
7409.60	V	117	358	-79.74	8.11	35.37	-59.89	-13.00	-46.89
9262.00	V	-	-	-80.79	9.05	35.26	-60.00	-13.00	-47.00
11114.40	V	-	-	-82.01	11.57	36.56	-58.70	-13.00	-45.70
12966.80	V	-	-	-82.03	14.11	39.08	-56.18	-13.00	-43.18

Table 7-19. Radiated Spurious Data (WCDMA PCS – Low Channel)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.00	V	113	335	-76.76	1.53	31.77	-63.49	-13.00	-50.49
5640.00	V	113	274	-73.91	4.41	37.50	-57.76	-13.00	-44.76
5803.00	V	163	343	-79.34	4.22	31.88	-63.37	-13.00	-50.37
7520.00	V	-	-	-81.65	8.17	33.52	-61.74	-13.00	-48.74
9400.00	V	-	-	-81.39	10.45	36.06	-59.20	-13.00	-46.20
11280.00	V	-	-	-81.99	11.58	36.59	-58.66	-13.00	-45.66

Table 7-20. Radiated Spurious Data (WCDMA PCS – Mid Channel)

Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.20	V	125	319	-76.10	1.71	32.61	-62.65	-13.00	-49.65
5722.80	V	113	-1	-73.87	4.43	37.56	-57.70	-13.00	-44.70
7630.40	V	201	26	-79.41	8.26	35.85	-59.40	-13.00	-46.40
9538.00	V	-	-	-81.70	10.27	35.57	-59.68	-13.00	-46.68
11445.60	V	-	-	-82.54	12.09	36.55	-58.71	-13.00	-45.71
13353.20	V	-	-	-82.64	14.18	38.54	-56.72	-13.00	-43.72

Table 7-21. Radiated Spurious Data (WCDMA PCS – High Channel)

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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7.9 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26:2015. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 24, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26:2015 – Section 5.6

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

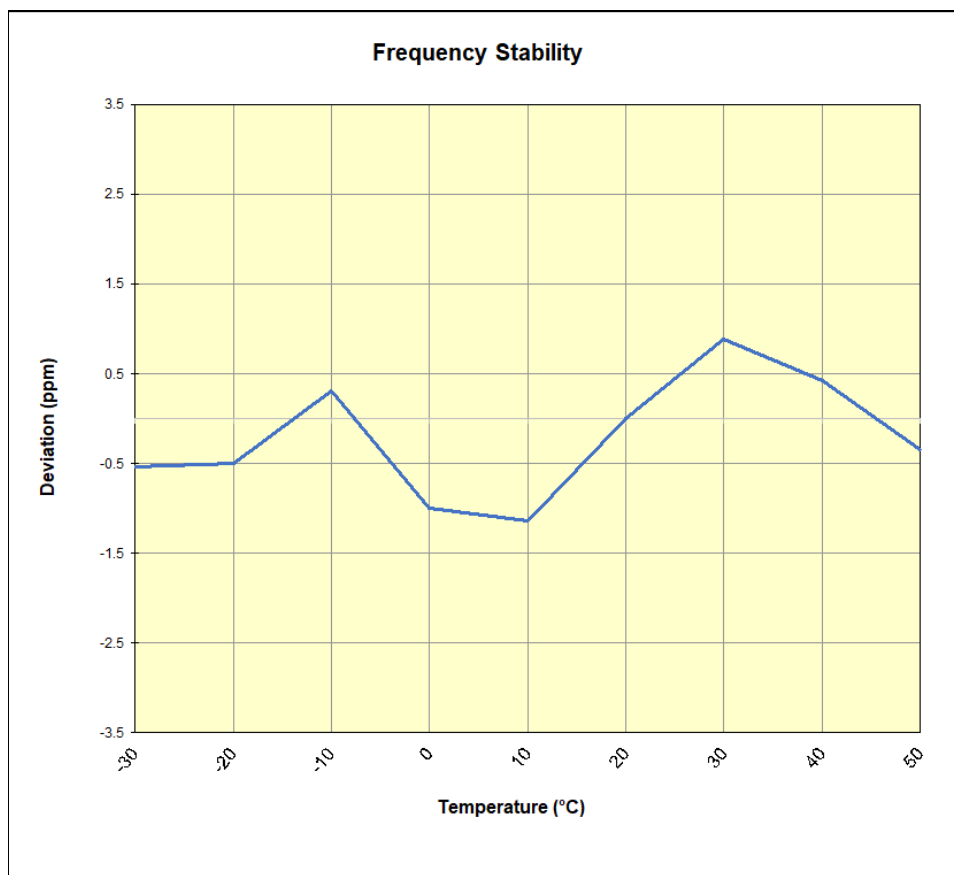
None

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

LTE Band 2

LTE Band 2					
			Operating Frequency (Hz):	1,880,000,000	
			Ref. Voltage (VDC):	4.443	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.443	- 30	1,880,089,940	-1,006	-0.0000535
		- 20	1,880,090,003	-943	-0.0000502
		- 10	1,880,091,528	582	0.0000310
		0	1,880,089,077	-1,869	-0.0000994
		+ 10	1,880,088,806	-2,140	-0.0001138
		+ 20 (Ref)	1,880,090,946	0	0.0000000
		+ 30	1,880,092,599	1,653	0.0000879
		+ 40	1,880,091,731	785	0.0000418
		+ 50	1,880,090,285	-661	-0.0000352
Battery Endpoint	3.644	+ 20	1,880,093,544	2,598	0.0001382

Table 7-22. LTE Band 2 Frequency Stability Data



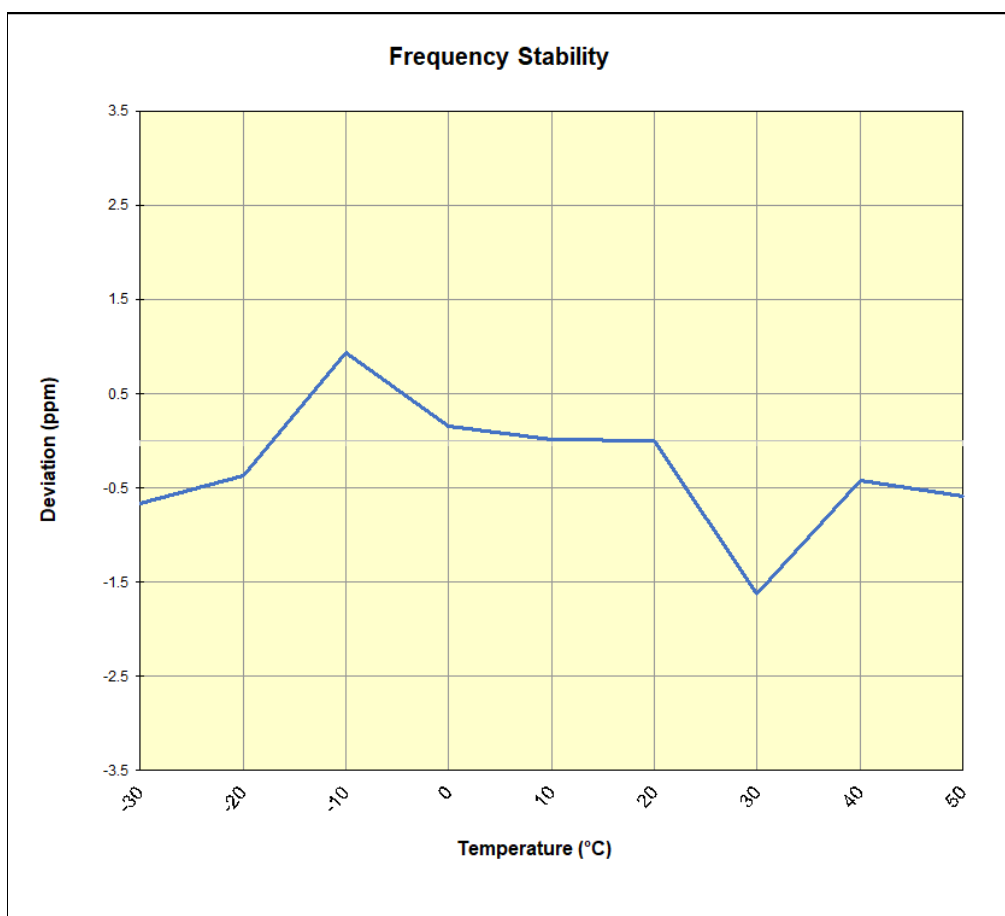
Plot 7-50. LTE Band 2 Frequency Stability Chart

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65

GSM/GPRS PCS

GSM/GPRS PCS					
		Operating Frequency (Hz):		1,880,000,000	
		Ref. Voltage (VDC):		4.443	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.443	- 30	1,880,000,194	-1,256	-0.0000668
		- 20	1,880,000,753	-697	-0.0000371
		- 10	1,880,003,220	1,770	0.0000941
		0	1,880,001,730	280	0.0000149
		+ 10	1,880,001,474	24	0.0000013
		+ 20 (Ref)	1,880,001,450	0	0.0000000
		+ 30	1,879,998,384	-3,066	-0.0001631
		+ 40	1,880,000,646	-804	-0.0000428
		+ 50	1,880,000,350	-1,100	-0.0000585
Battery Endpoint	3.644	+ 20	1,880,000,090	-1,360	-0.0000723

Table 7-23. GSM/GPRS PCS Frequency Stability Data



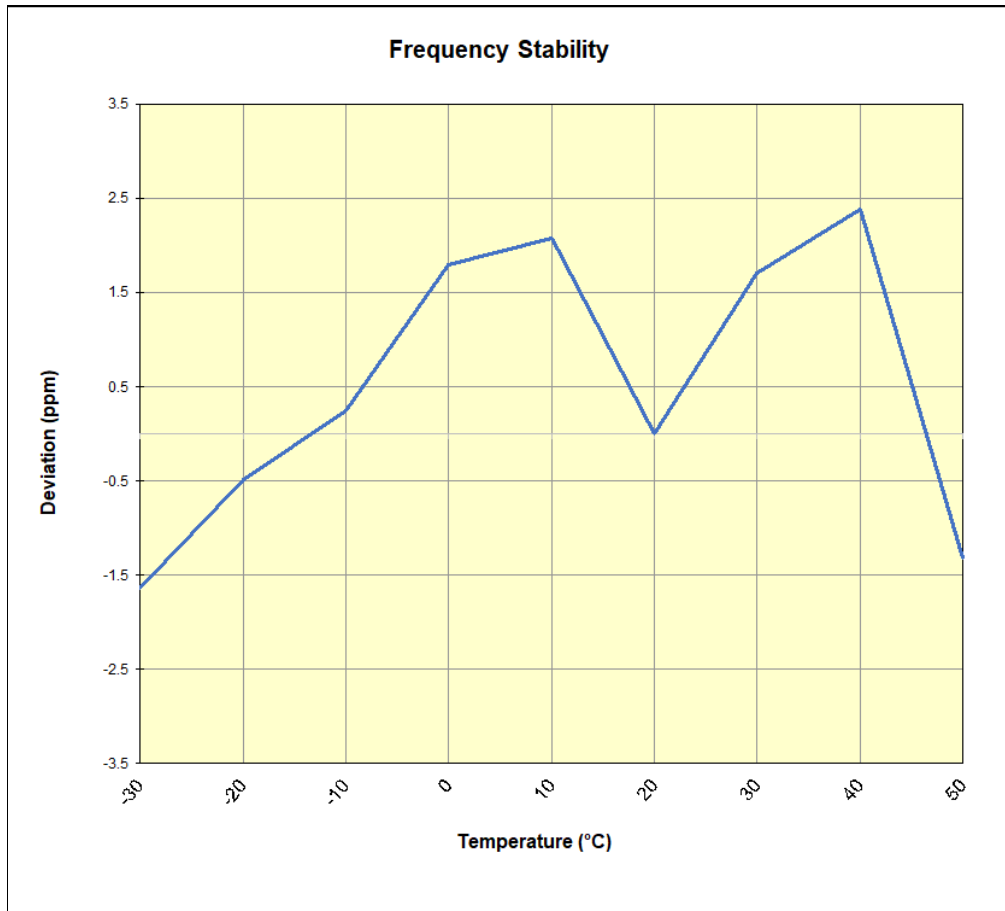
Plot 7-51. GSM/GPRS PCS Frequency Stability Chart

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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WCDMA PCS

WCDMA PCS					
		Operating Frequency (Hz):		1,880,000,000	
		Ref. Voltage (VDC):		4.443	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.443	- 30	1,880,040,569	-3,082	-0.0001639
		- 20	1,880,042,730	-921	-0.0000490
		- 10	1,880,044,109	458	0.0000244
		0	1,880,047,014	3,363	0.0001789
		+ 10	1,880,047,564	3,913	0.0002081
		+ 20 (Ref)	1,880,043,651	0	0.0000000
		+ 30	1,880,046,854	3,203	0.0001704
		+ 40	1,880,048,136	4,485	0.0002386
		+ 50	1,880,041,178	-2,473	-0.0001315
Battery Endpoint	3.644	+ 20	1,880,044,430	779	0.0000414

Table 7-24. WCDMA PCS Frequency Stability Data



Plot 7-52. WCDMA PCS Frequency Stability Chart

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMA185G** complies with all the requirements of Part 24 of the FCC rules.

- END OF TEST REPORT -

FCC ID: A3LSMA185G		Test Dates: 7/8/2026 - 7/27/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2607060061-02-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 65 of 65