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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:

11/3/2025 - 12/15/2025

Test Report Issue Date:

2/10/2026

Test Site/Location:

Element Lab., Columbia, MD, USA

Test Report Serial No.:

1M2512010100-06-R1.A3L

FCC ID:

A3LSMA576JPN

APPLICANT:

Samsung Electronics Co., Ltd.

Application Type:

Certification

Model:

SC-54G

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: 1M2512010100-06-R1.A3L) supersedes and replaces the previously issued test report (S/N: 1M2512010100-06.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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V11.3 5/14/2025

TEST REPORT REVISION HISTORY

Rev. No.	Description	Issue Date	Revised By
-	Initial Release	1/26/2026	WKR0000005883
1	Addressed comments made by TCB reviewer	2/10/2026	WKR0000005883

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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	0.833	29.20	245KGXW
EDGE	N/A	8-PSK	1850.2 - 1909.8	0.338	25.29	244KG7W
LTE Band 2	20 MHz	QPSK	1860 - 1905	0.284	24.53	18M1G7D
		16QAM	1860 - 1905	0.233	23.68	18M1W7D
	15 MHz	QPSK	1857.5 - 1907.5	0.285	24.55	13M6G7D
		16QAM	1857.5 - 1907.5	0.240	23.80	13M6W7D
	10 MHz	QPSK	1855 - 1910	0.281	24.48	9M11G7D
		16QAM	1855 - 1910	0.239	23.79	9M12W7D
	5 MHz	QPSK	1852.5 - 1912.5	0.277	24.43	4M58G7D
		16QAM	1852.5 - 1912.5	0.251	23.99	4M58W7D
	3 MHz	QPSK	1851.5 - 1913.5	0.282	24.51	2M75G7D
		16QAM	1851.5 - 1913.5	0.242	23.83	2M75W7D
	1.4 MHz	QPSK	1850.7 - 1914.3	0.277	24.42	1M12G7D
		16QAM	1850.7 - 1914.3	0.232	23.66	1M12W7D

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Antenna-2						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
LTE Band 2	20 MHz	QPSK	1860 - 1905	0.116	20.64	18M0G7D
		16QAM	1860 - 1905	0.097	19.86	18M0W7D
	15 MHz	QPSK	1857.5 - 1907.5	0.120	20.80	13M5G7D
		16QAM	1857.5 - 1907.5	0.098	19.93	13M5W7D
	10 MHz	QPSK	1855 - 1910	0.119	20.75	9M00G7D
		16QAM	1855 - 1910	0.099	19.97	9M06W7D
	5 MHz	QPSK	1852.5 - 1912.5	0.121	20.82	4M54G7D
		16QAM	1852.5 - 1912.5	0.102	20.07	4M52W7D
	3 MHz	QPSK	1851.5 - 1913.5	0.117	20.68	2M72G7D
		16QAM	1851.5 - 1913.5	0.100	20.01	2M74W7D
	1.4 MHz	QPSK	1850.7 - 1914.3	0.120	20.80	1M10G7D
		16QAM	1850.7 - 1914.3	0.096	19.80	1M11W7D

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1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2 Element Test Location

Measurements were conducted at the Element laboratory(ies) indicated in Section 1.3 below. All measurement facilities are compliant with the test site requirements specified in ANSI C63.4:2014 and KDB 414788 D01 v01r01.

1.3 Test Facility / Accreditations

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

- Element Washington DC LLC is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.01 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- Element Washington DC LLC facility is a registered test laboratory with the site description on file with ISED (Wireless Test Lab number 2451B) and FCC (Designation Number US1113).
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Samsung Portable Handset FCC ID: A3LSMA576JPN**. 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: A3LSMA576U as permitted per KDB 484596 D01 v03. Data referencing data test results are included in Appendix A of this report.

Test Device Serial No.: 0121M, 0103M, 1883M, 0116M, 0113M, 0210M, 0120M

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/axWLAN, 802.11a/n/ac/ax(5GHz and 6GHz), Bluetooth (1x, EDR, LE), NFC, 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.

Band	Ant1	Ant2
GSM/GPRS	Ant A	-
LTE Band 2	Ant A	Ant F

2.4 Duty Cycle Information

For all 5G NR and 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 A576U1UEU0AYJ1 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	2/25/2025	Annual	2/25/2026	AP1-002
-	AP2-001	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	AP2-001
-	AP2-002	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	AP2-002
-	ETS-001	EMC Cable and Switch System	12/11/2024	Annual	12/11/2025	ETS-001
-	ETS-002	EMC Cable and Switch System	12/11/2024	Annual	12/11/2025	ETS-002
-	LTx1	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx1
-	LTx2	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx2
-	LTx3	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx3
Agilent	N9038A	MXE EMI Receiver	11/10/2025	Annual	11/10/2026	MY51210133
Anritsu	MT8000A	Radio Communication Test Station	6/4/2025	Annual	6/4/2026	6261914237
Anritsu	MT8000A	Radio Communication Test Station	3/11/2025	Annual	3/11/2026	6272337439
Anritsu	MT8821C	Radio Communication Analyze	9/15/2025	Annual	9/15/2026	6201381794
Anritsu	MT8821C	Radio Communication Analyze	3/14/2025	Annual	3/14/2026	6262044715
EMCO	3115	Horn Antenna (1-18GHz)	9/6/2024	Biennial	9/6/2026	9704-5182
Espec	ESX-2CA	Environmental Chamber	11/20/2024	Biennial	11/20/2026	17620
ETS Lindgren	3117	1-18 GHz DRG Horn (Medium)	6/4/2025	Biennial	6/4/2027	125518
ETS-Lindgren	3116C	DRG Horn Antenna	4/22/2025	Biennial	4/22/2027	218893
Keysight Technologies	N9020A	MXA Signal Analyzer (NM)	6/4/2025	Annual	6/4/2026	MY54500644
Keysight Technologies	N9030A	3Hz-44GHz PXA Signal Analyzer	9/15/2025	Annual	9/15/2026	MY49430494
Keysight Technologies	N9030A	PXA Signal Analyzer (OM - EMC)	6/16/2025	Annual	6/16/2026	MY55410501
Keysight Technologies	N9030A	3Hz-44GHz PXA Signal Analyzer	9/15/2025	Annual	9/15/2026	MY49430494
Keysight Technologies	N9020A	MXA Signal Analyzer	5/7/2025	Annual	5/7/2026	US46470561
Keysight Technologies	N9030A	PXA Signal Analyzer (44GHz)	6/6/2025	Annual	6/6/2026	MY52350166
Rohde & Schwarz	FSW67	Signal / Spectrum Analyzer	5/12/2025	Annual	5/12/2026	103200
Rohde & Schwarz	ESW44	EMI Test Receiver 2Hz to 44 GHz	3/25/2025	Annual	3/25/2026	101716
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	6/18/2025	Annual	6/18/2026	140148
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	9/11/2024	Biennial	9/11/2026	A051107
Sunol Sciences	DRH-118	Horn (Small)	2/13/2024	Biennial	2/13/2026	A042511

Table 5-1. Test Equipment Calibration Table

Notes:

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

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

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

Component	Serial Number
Flex Cable	P2A-0001
Micro-Coax Utilflex Cable UFB311A-Q-3346-50U50U MFR 64639	231978-003
Chamber Passthrough	CP4/X12
Micro-Coax Utilflex Cable UFB311A-1-0629-50U50U MFR 64639	231986-003
Micro-Coax Utilflex Cable UFB142A-0-0629-5GU200 MFR 6463	232069-001
Rohde & Schwarz TS-PR8 Pre-Amplifier	102335
Rohde & Schwarz OSP130 Open Switch and Control Unit	101181

Table 5-3. AP2-001 EMC Cable and Switch System Components

Component	Serial Number
MiniCircuits Cable CBL-0.5M-SMNM+	47261
Micro-Coax Utilflex Cable UFB311A-Q-3346-50U50U MFR 64639	231978-001
Micro-Coax Utilflex Cable UFB311A-1-0629-50U50U MFR 64639	231986-002
MegaPhase (CAGE 1GVT4) Cable NC29-N1N1-324	19046401 001
Megaphase (CAGE 1GVT4) Flex Cable 10511-1	15044701-006
Micro-Coax Utilflex Cable UFB311A-Q-3346-50U50U MFR 64639	231978-002
Micro-Coax Utilflex Cable UFB311A-1-0629-50U50U MFR 64639	231986-004
Micro-Coax Utilflex Cable UFB142A-0-0629-5GU200 MFR 64639	232069-001
Rohde & Schwarz SF Unit	102138
Rohde & Schwarz OSP130 Open Switch and Control Unit	101181
Micro-Coax Utilflex Cable UFB311A-Q-3346-50U50U MFR 64639	231978-003
Micro-Coax Utilflex Cable UFB311A-1-0629-50U50U MFR 64639	231986-003
Rohde & Schwarz TS-PR8 Pre-Amplifier	102335

Table 5-4. AP2-002 EMC Cable and Switch System Components

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

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

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

Table 5-6. ETS-002 EMC Cable and Switch System Components

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

Table 5-7. LTx1 Licensed Transmitter Cable Set

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

Table 5-8. LTx2 Licensed Transmitter Cable Set

Component	Serial Number
Keysight Directional Coupler, Model: 87300C	55300390
Pasternack 10dB Attenuator, Model: PE7005-10	N/A
MegaPhase Cable, Model: TM26-S1S1-36	18160103 002

Table 5-9. LTx3 Licensed Transmitter Cable Set

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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: A3LSMA576JPN
 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	Data Referencing
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 **Carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm	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 **Spurious emissions from receivers shall not exceed the limits detailed in RSS-Gen(7.3)	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 v2.3.0.
- 5) Data was referenced from model SM-A576U1 for the certification of SC-54G. See Section 9.0 for spotcheck results

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7.2 Conducted Output Power Data

Test Overview

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

Test Procedure Used

ANSI C63.26:2015 – Section 5.2

Test Settings

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

Test Setup

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

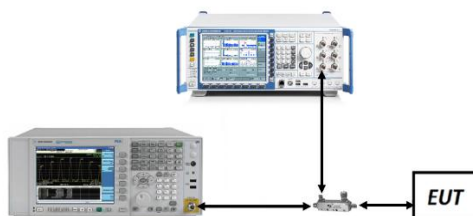


Figure 7-1. Test Instrument & Measurement Setup

Test Notes

1. Conducted power measurements were evaluated using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
2. All other conducted power measurements are contained in the RF exposure report for this filing.
3. Conducted power was found to reduce for the higher order QAM modulations when compared to 16QAM. Due to this trend, only the worst-case QAM (16QAM) powers are included in this section.

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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
20 MHz	QPSK	26140	1860.0	1 / 99	23.23
		26365	1882.5	1 / 50	23.36
		26590	1905.0	1 / 0	23.52
	16-QAM	26140	1860.0	1 / 50	22.54
		26365	1882.5	1 / 0	22.68
		26590	1905.0	1 / 0	22.26
15 MHz	QPSK	26115	1857.5	1 / 37	23.37
		26365	1882.5	1 / 37	23.52
		26615	1907.5	1 / 0	23.31
	16-QAM	26115	1857.5	1 / 0	22.62
		26365	1882.5	1 / 37	22.71
		26615	1907.5	1 / 0	22.40
10 MHz	QPSK	26090	1855.0	1 / 49	23.23
		26365	1882.5	1 / 49	23.47
		26640	1910.0	1 / 49	23.20
	16-QAM	26090	1855.0	1 / 49	22.57
		26365	1882.5	1 / 49	22.67
		26640	1910.0	1 / 49	22.44
5 MHz	QPSK	26065	1852.5	1 / 24	23.31
		26365	1882.5	1 / 0	23.54
		26665	1912.5	1 / 0	23.29
	16-QAM	26065	1852.5	1 / 24	22.63
		26365	1882.5	1 / 12	22.89
		26665	1912.5	1 / 12	22.53
3 MHz	QPSK	26055	1851.5	1 / 7	23.33
		26365	1882.5	1 / 7	23.40
		26675	1913.5	1 / 14	23.17
	16-QAM	26055	1851.5	1 / 0	22.32
		26365	1882.5	1 / 0	22.83
		26675	1913.5	1 / 7	22.37
1.4 MHz	QPSK	26047	1850.7	1 / 5	23.12
		26365	1882.5	1 / 0	23.52
		26683	1914.3	1 / 5	23.27
	16-QAM	26047	1850.7	1 / 3	22.22
		26365	1882.5	1 / 0	22.61
		26683	1914.3	1 / 3	22.27

Table 7-2. LTE Conducted Power Results – LTE B2 – Ant2

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7.3 Occupied Bandwidth

Test Overview

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

Test Procedure Used

ANSI C63.26:2015 – Section 5.4.4

Test Settings

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

Test Setup

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

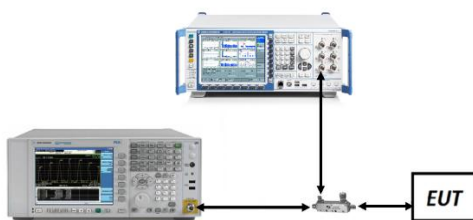


Figure 7-2. Test Instrument & Measurement Setup

Test Notes

None.

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Mode	Bandwidth	Modulation	OBW [MHz]
GSM-PCS	N/A	GMSK	0.245
GSM-PCS EDGE		8-PSK	0.244
LTE-B2	20MHz	QPSK	18.07
		16QAM	18.06
	15MHz	QPSK	13.58
		16QAM	13.57
	10MHz	QPSK	9.11
		16QAM	9.12
	5MHz	QPSK	4.58
		16QAM	4.58
	3MHz	QPSK	2.75
		16QAM	2.75
	1.4MHz	QPSK	1.12
		16QAM	1.12

Table 7-3. Occupied Bandwidth Results – Ant1

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS – Ant1



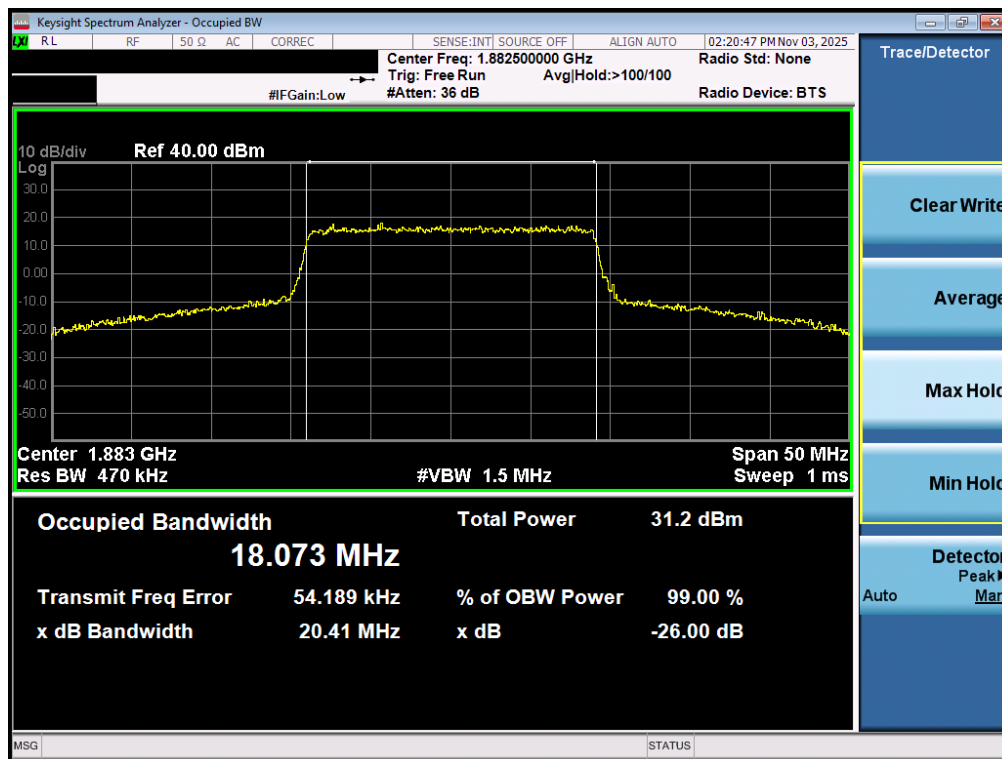
Plot 7-1. Occupied Bandwidth Plot (GPRS, Ch. 661 - Ant1)



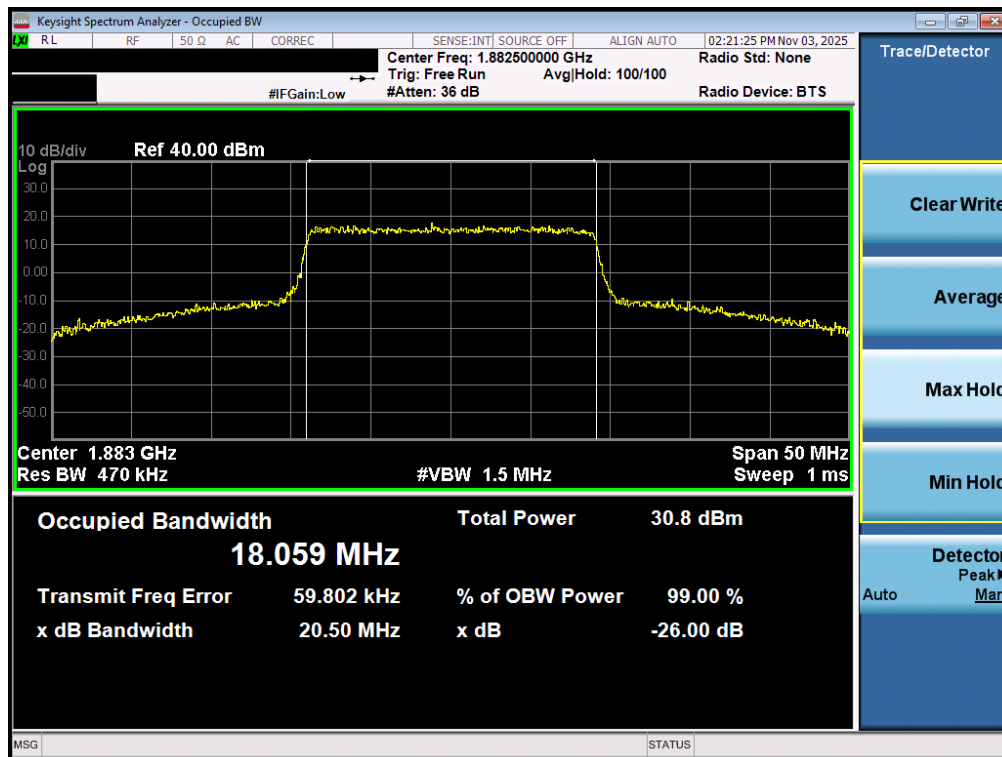
Plot 7-2. Occupied Bandwidth Plot (EDGE, Ch. 661 - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 2 – Ant1

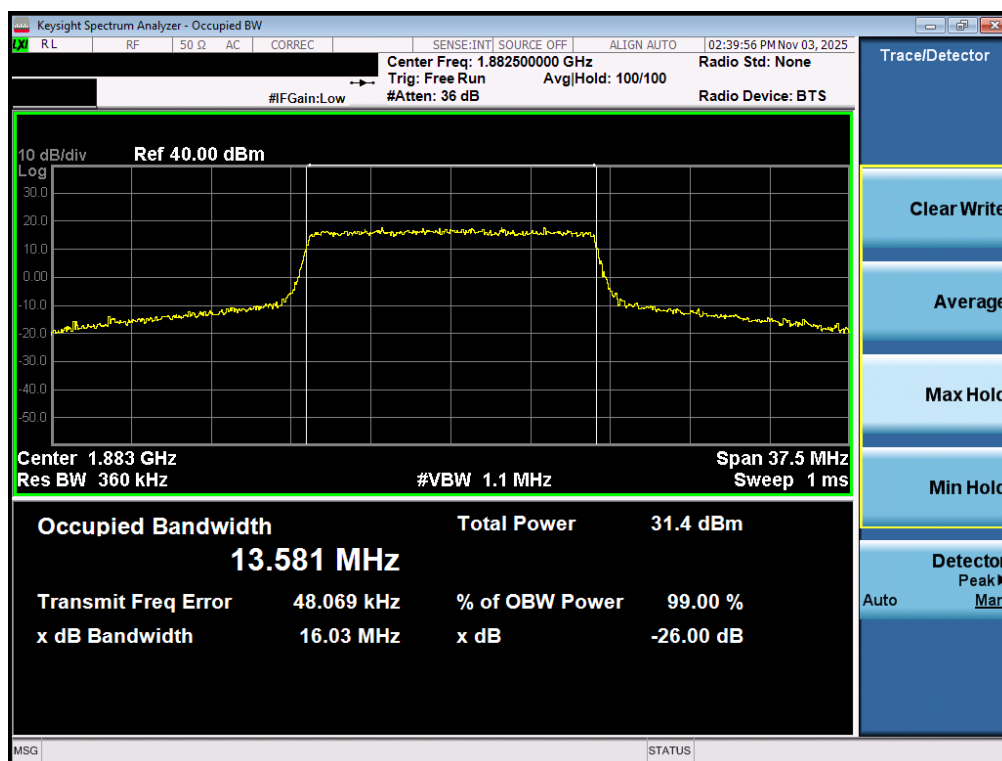


Plot 7-3. Occupied Bandwidth Plot (LTE Band 2 - 20MHz QPSK - Full RB - Ant1)

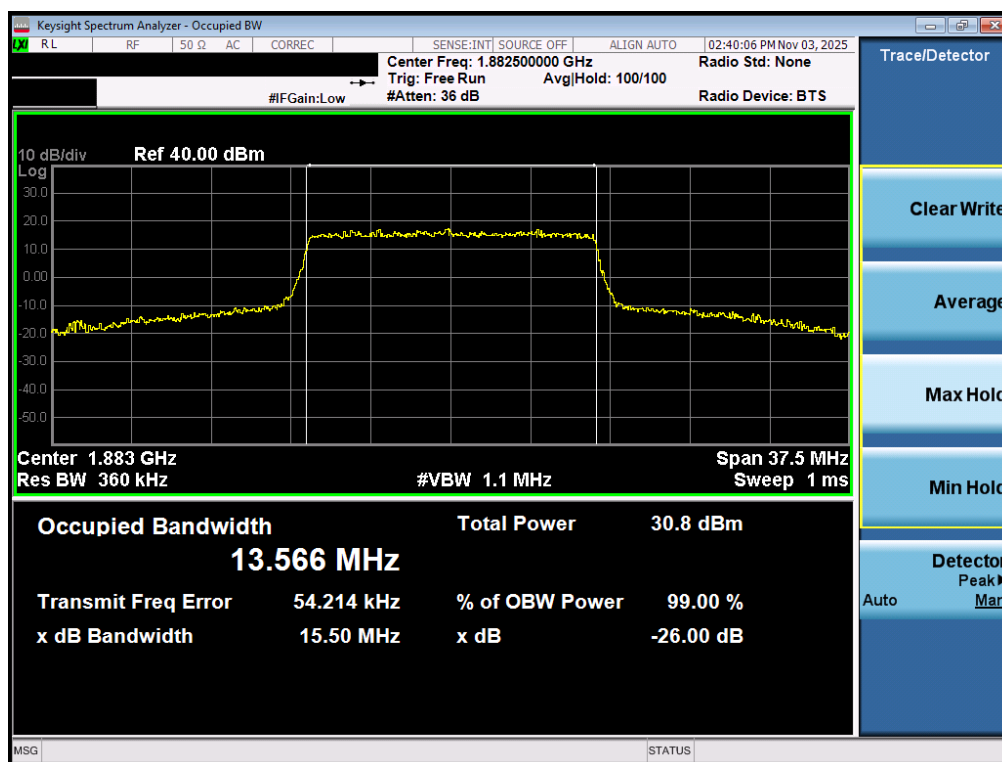


Plot 7-4. Occupied Bandwidth Plot (LTE Band 2 - 20MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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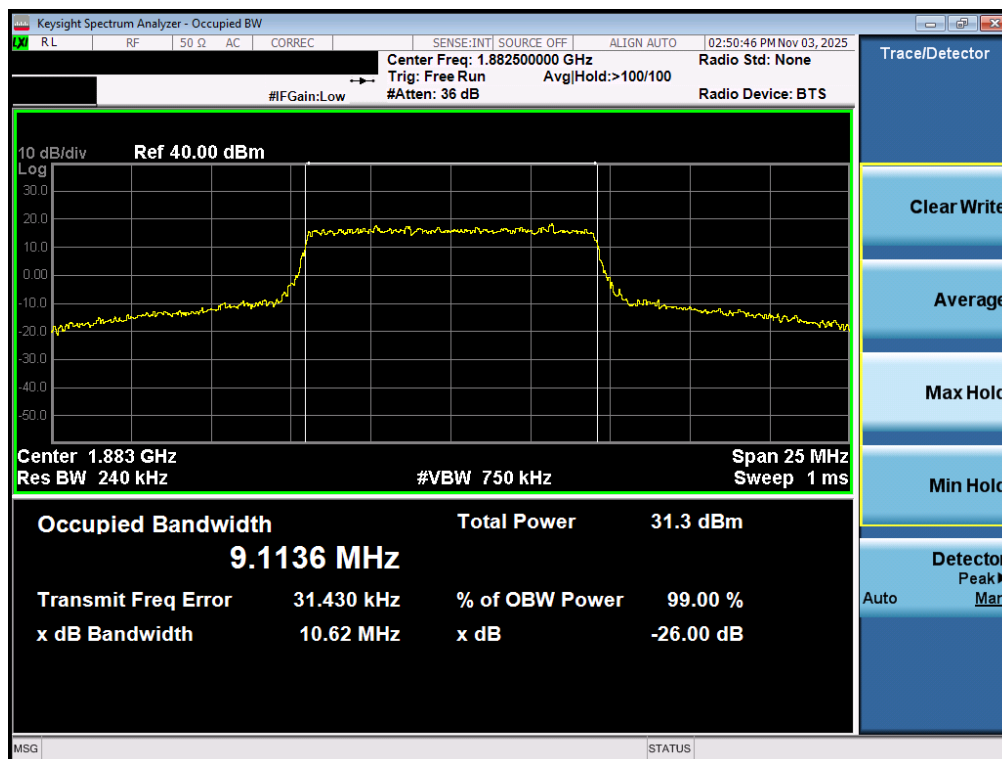


Plot 7-5. Occupied Bandwidth Plot (LTE Band 2 - 15MHz QPSK - Full RB - Ant1)

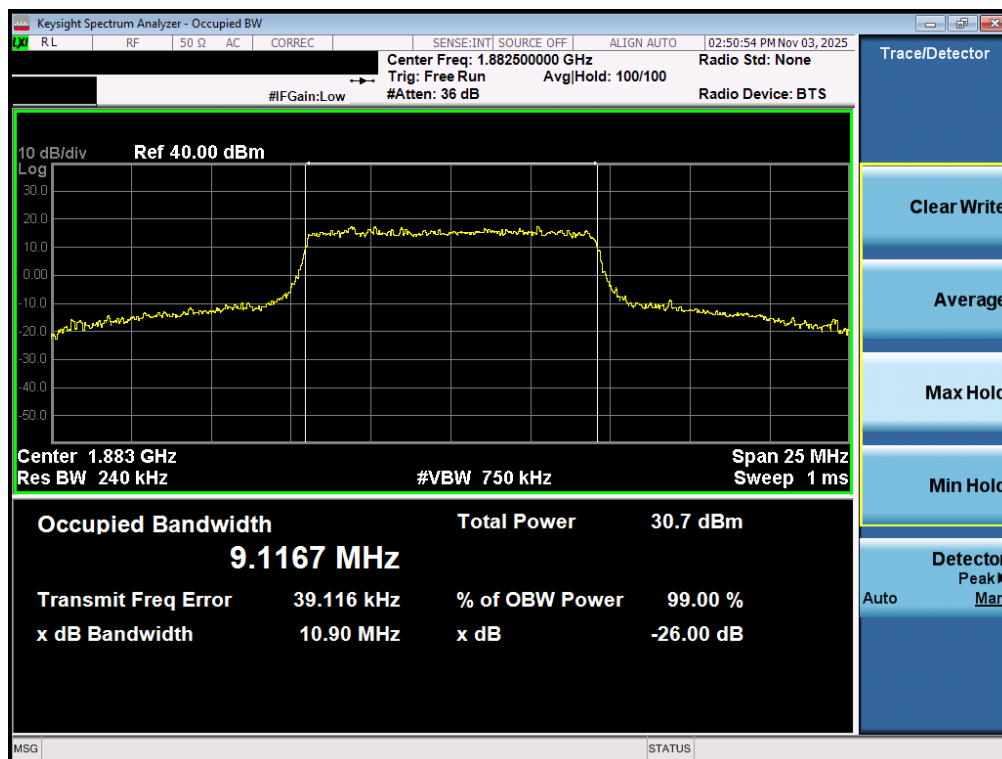


Plot 7-6. Occupied Bandwidth Plot (LTE Band 2 - 15MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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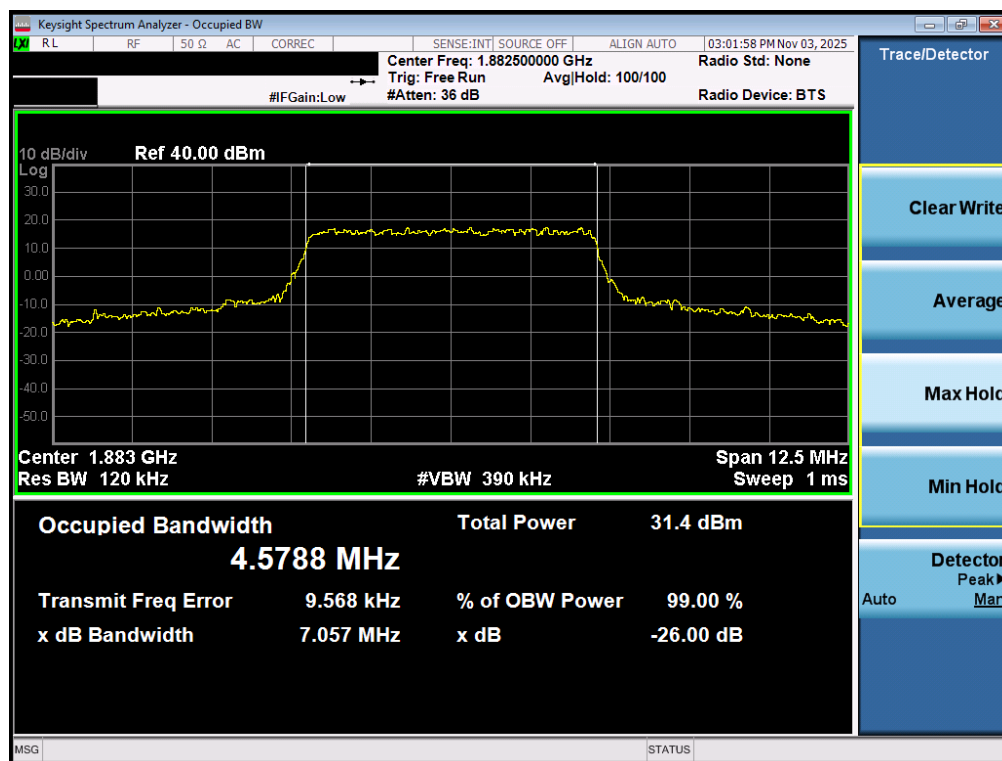


Plot 7-7. Occupied Bandwidth Plot (LTE Band 2 - 10MHz QPSK - Full RB - Ant1)

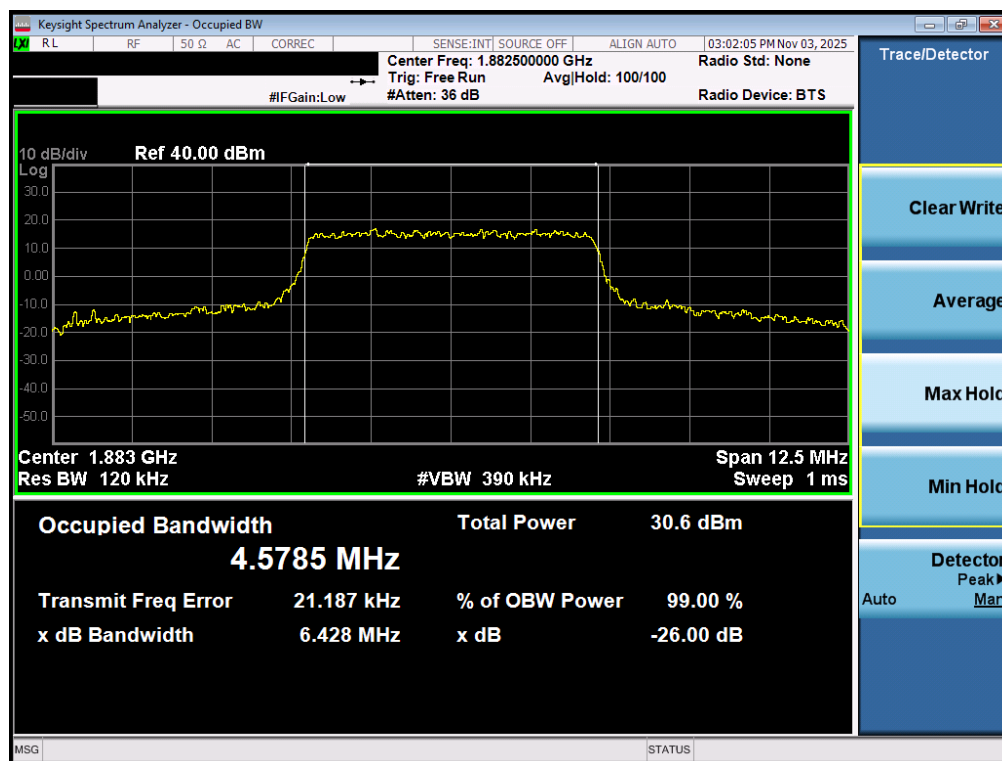


Plot 7-8. Occupied Bandwidth Plot (LTE Band 2 - 10MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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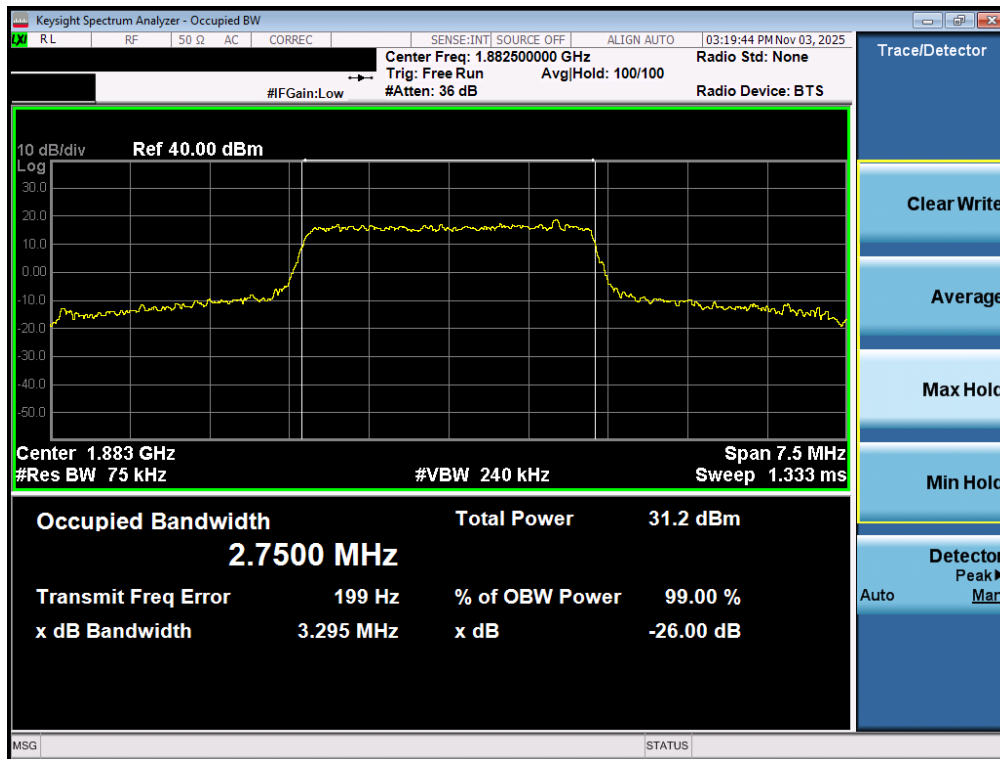


Plot 7-9. Occupied Bandwidth Plot (LTE Band 2 - 5MHz QPSK - Full RB - Ant1)

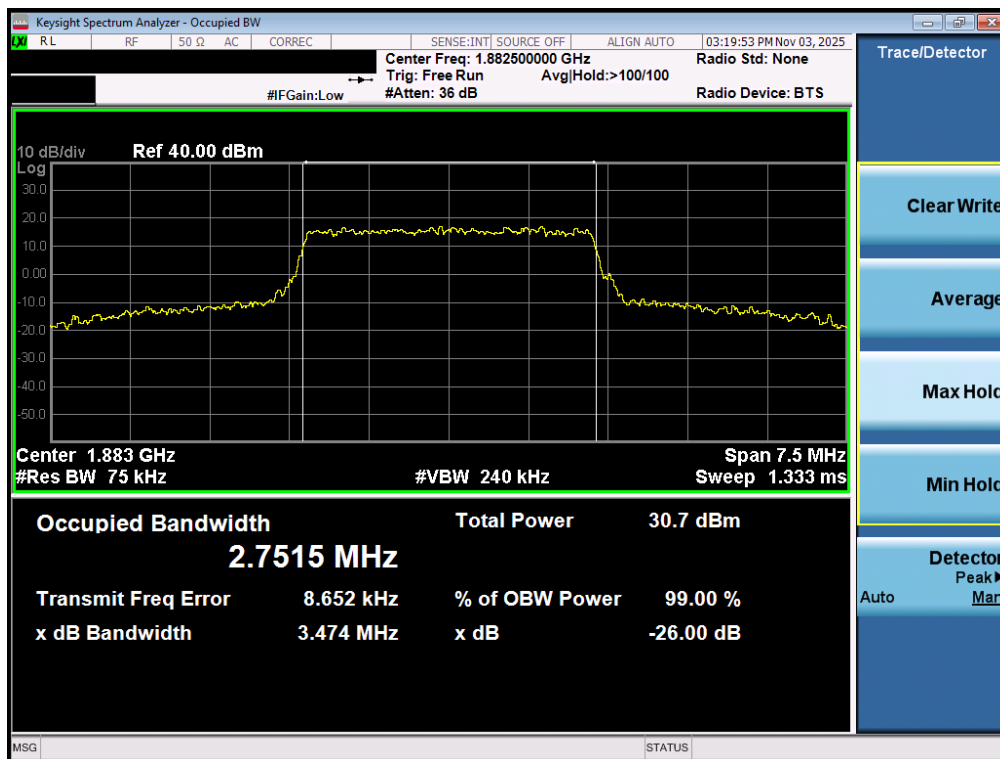


Plot 7-10. Occupied Bandwidth Plot (LTE Band 2 - 5MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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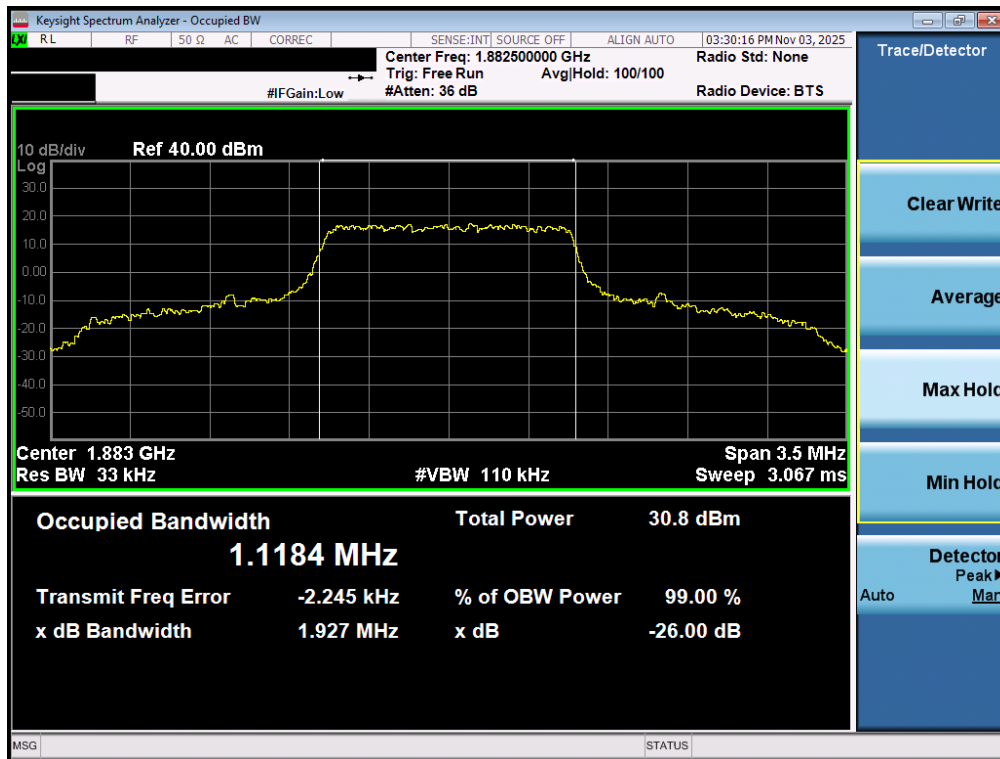


Plot 7-11. Occupied Bandwidth Plot (LTE Band 2 - 3MHz QPSK - Full RB - Ant1)

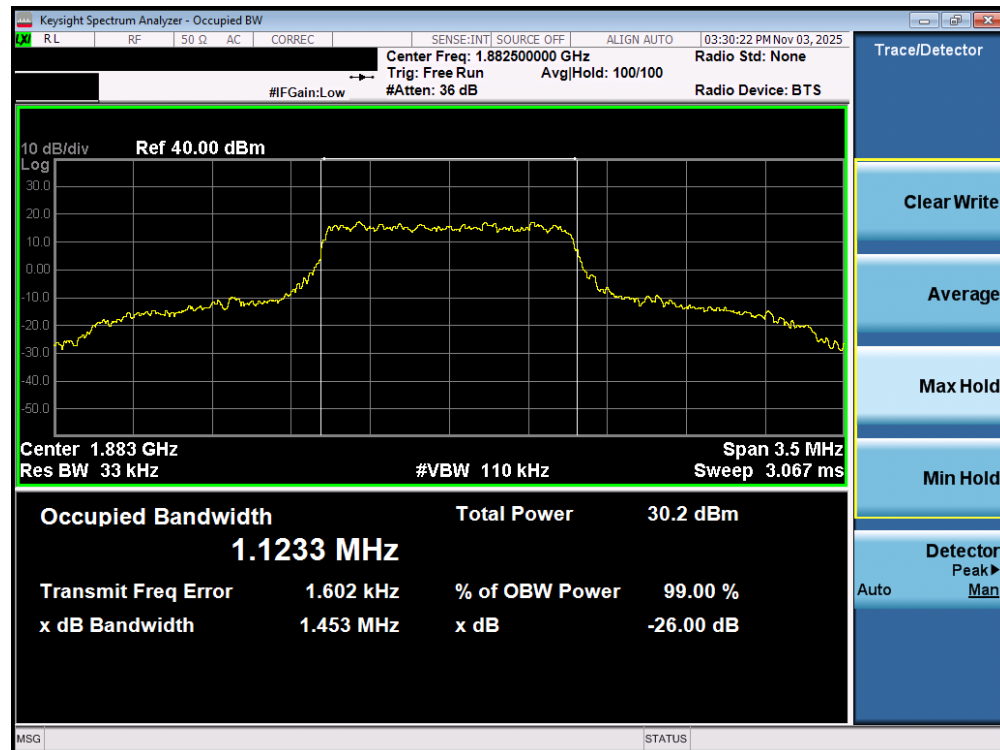


Plot 7-12. Occupied Bandwidth Plot (LTE Band 2 - 3MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-13. Occupied Bandwidth Plot (LTE Band 2 - 1.4MHz QPSK - Full RB - Ant1)



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

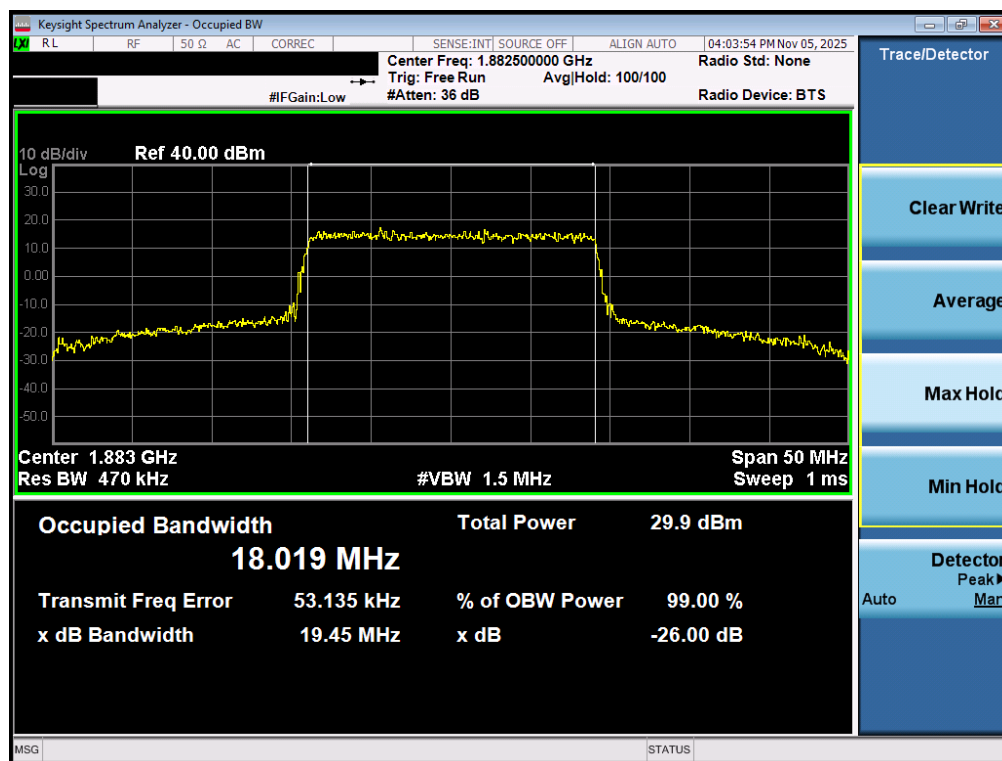
FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Modulation	OBW [MHz]
LTE-B2	20MHz	QPSK	18.02
		16QAM	18.00
	15MHz	QPSK	13.53
		16QAM	13.46
	10MHz	QPSK	9.00
		16QAM	9.06
	5MHz	QPSK	4.54
		16QAM	4.52
	3MHz	QPSK	2.72
		16QAM	2.74
	1.4MHz	QPSK	1.10
		16QAM	1.11

Table 7-4. Occupied Bandwidth Results – Ant2

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 2 – Ant2

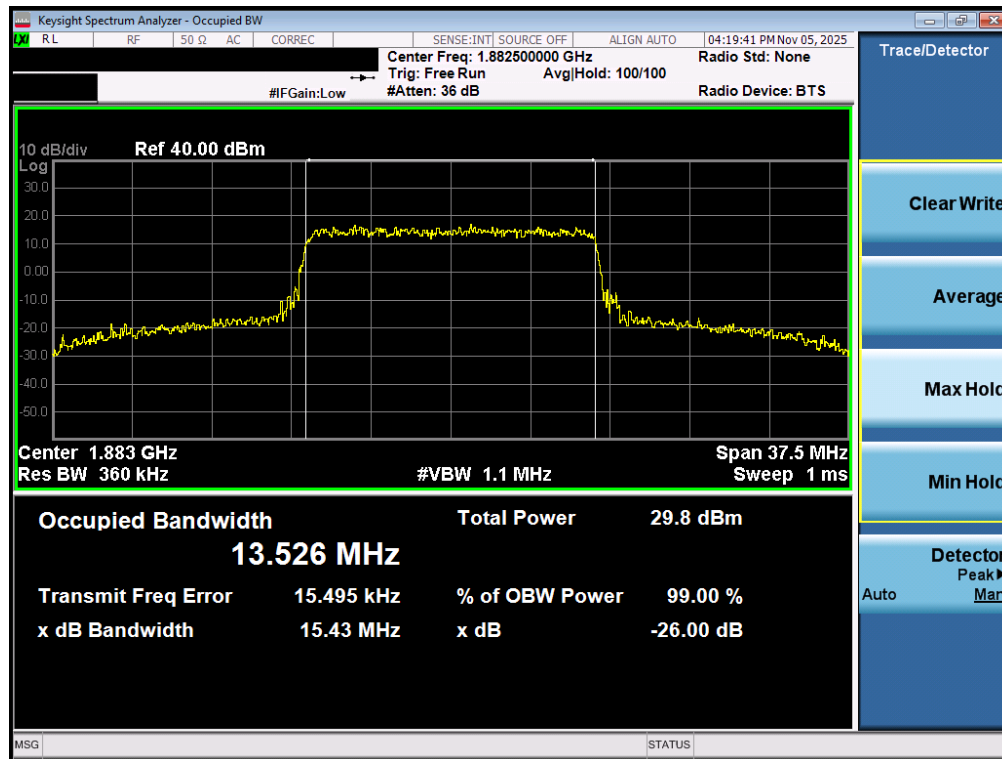


Plot 7-15. Occupied Bandwidth Plot (LTE Band 2 - 20MHz QPSK - Full RB - Ant2)

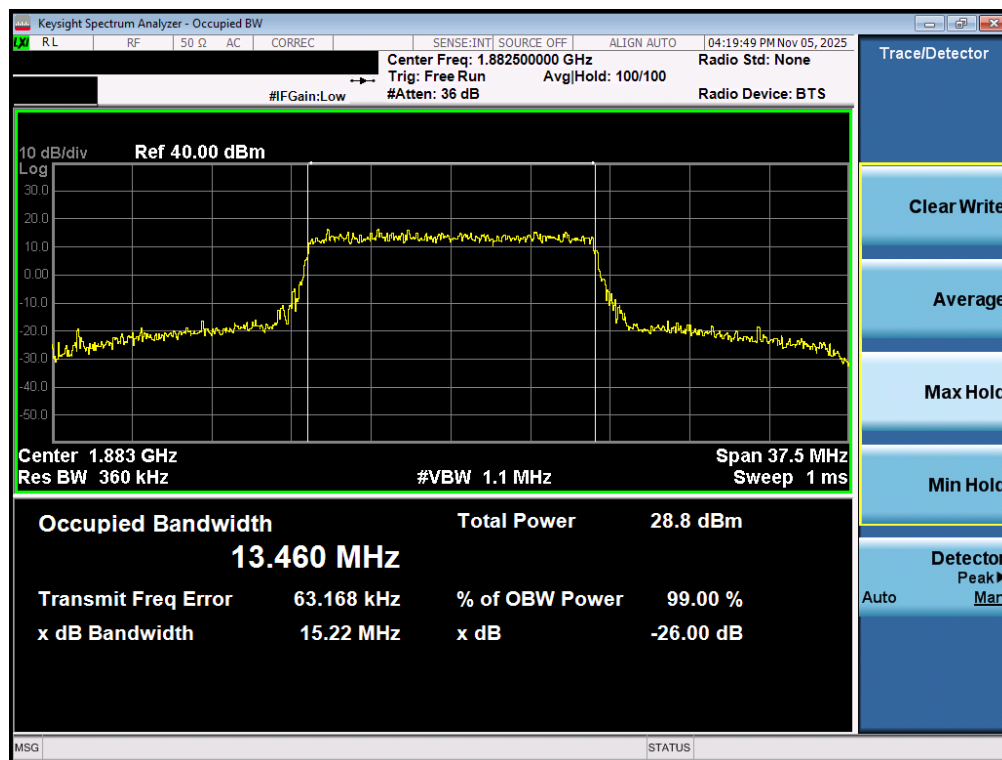


Plot 7-16. Occupied Bandwidth Plot (LTE Band 2 - 20MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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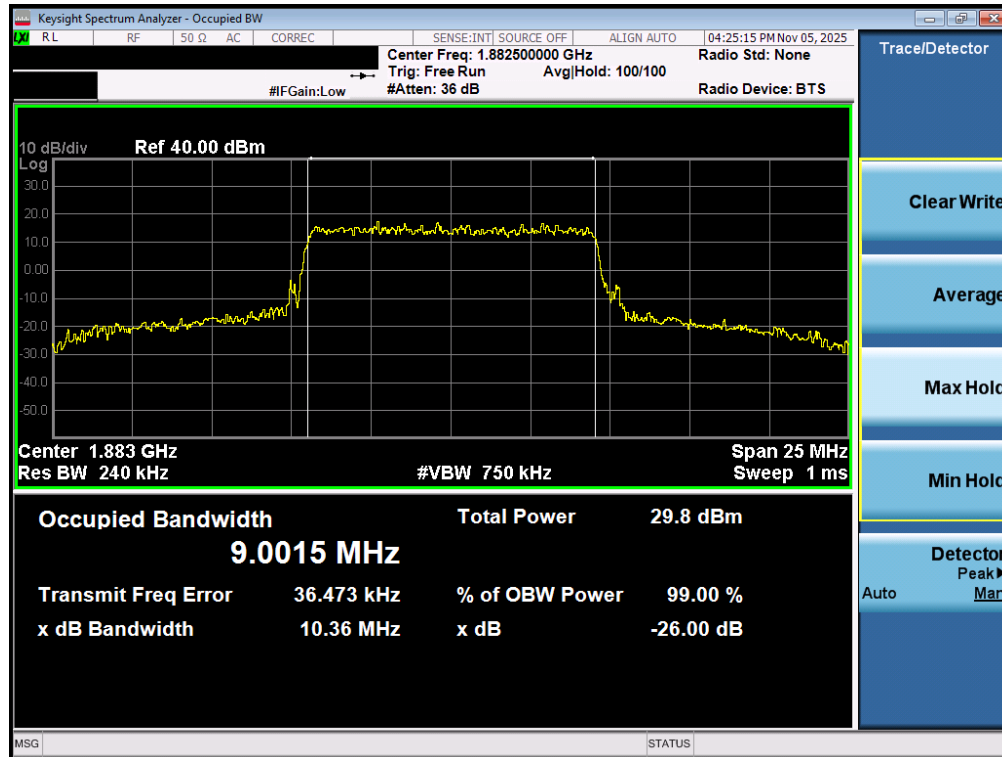


Plot 7-17. Occupied Bandwidth Plot (LTE Band 2 - 15MHz QPSK - Full RB - Ant2)



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

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-19. Occupied Bandwidth Plot (LTE Band 2 - 10MHz QPSK - Full RB - Ant2)

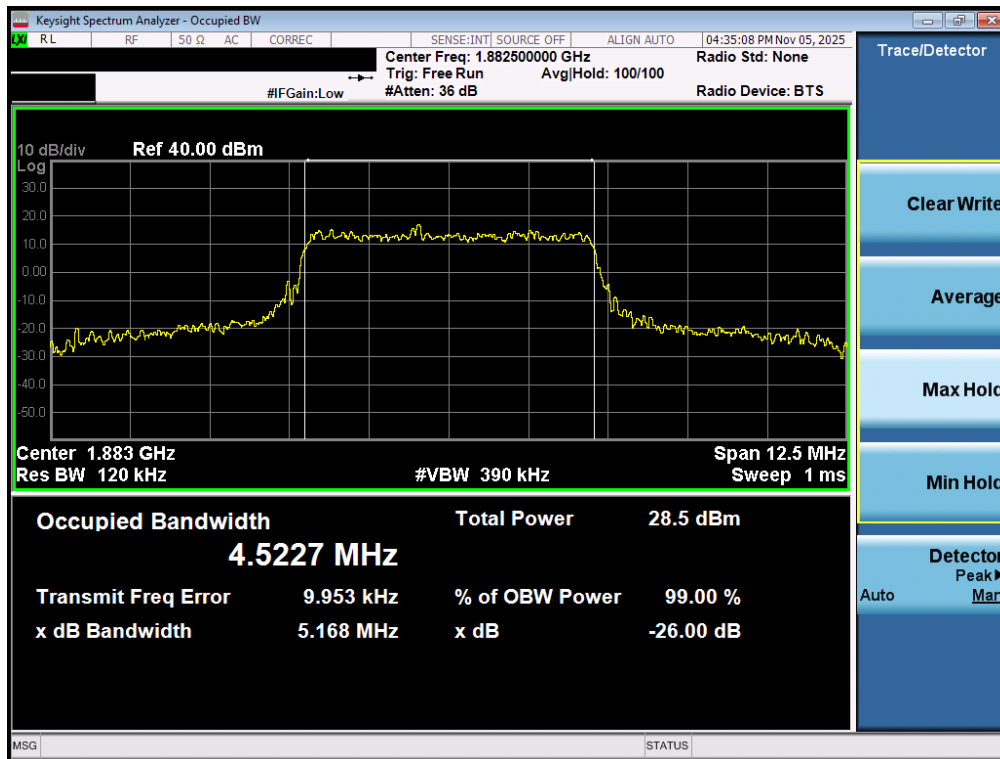


Plot 7-20. Occupied Bandwidth Plot (LTE Band 2 - 10MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 29 of 87

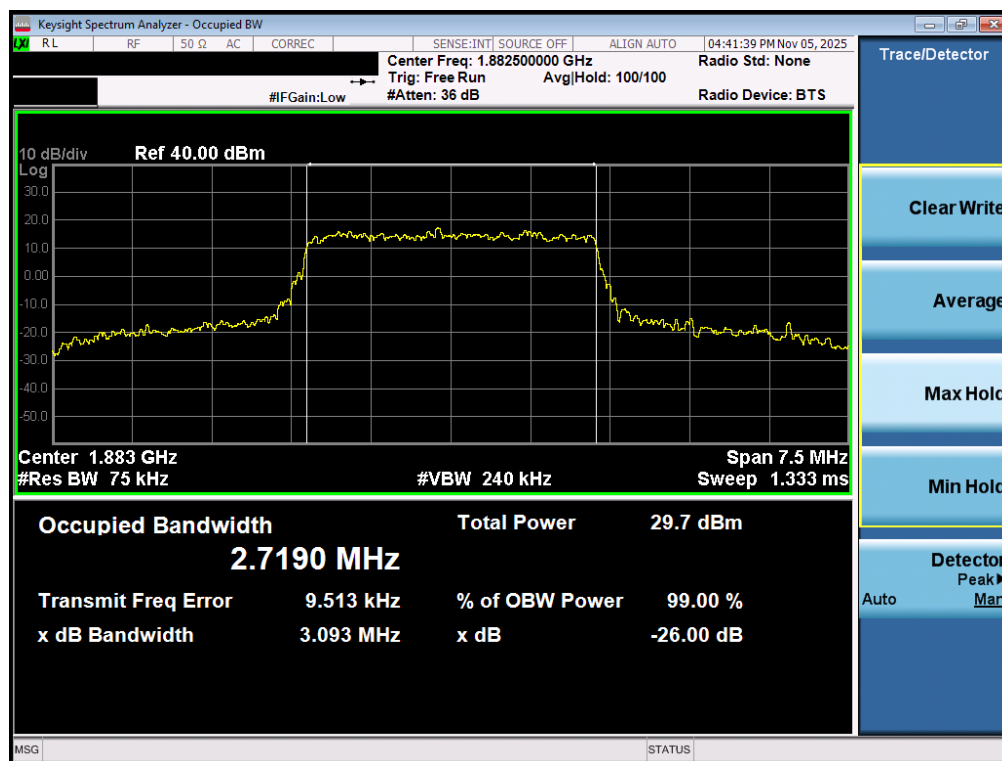


Plot 7-21. Occupied Bandwidth Plot (LTE Band 2 - 5MHz QPSK - Full RB - Ant2)

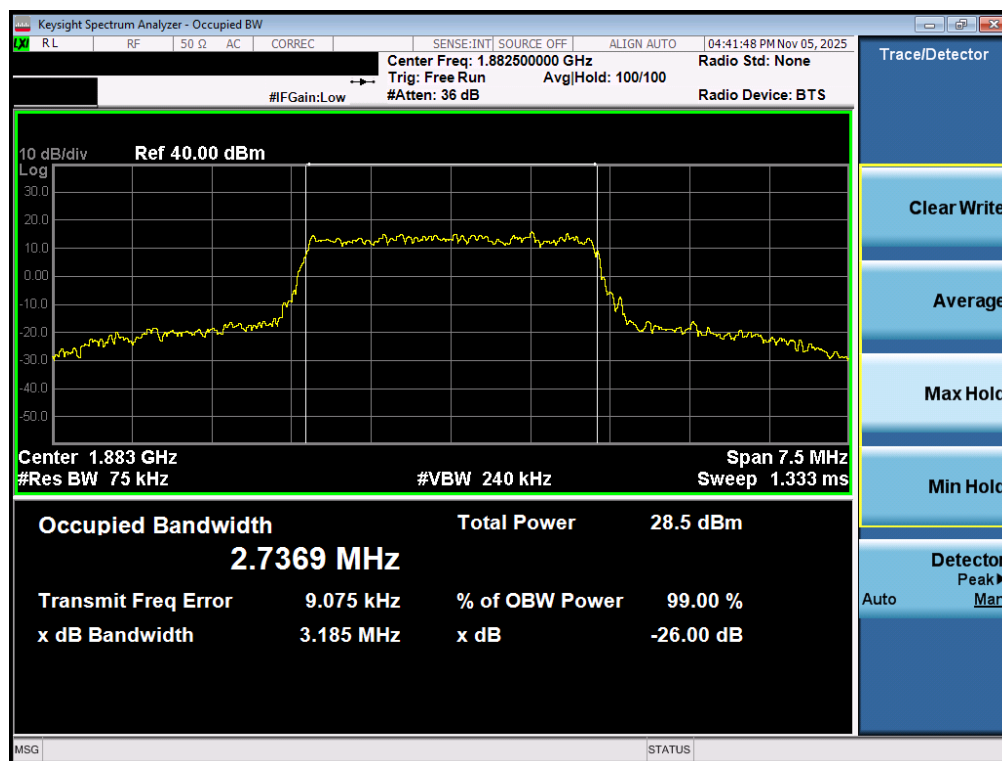


Plot 7-22. Occupied Bandwidth Plot (LTE Band 2 - 5MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 30 of 87

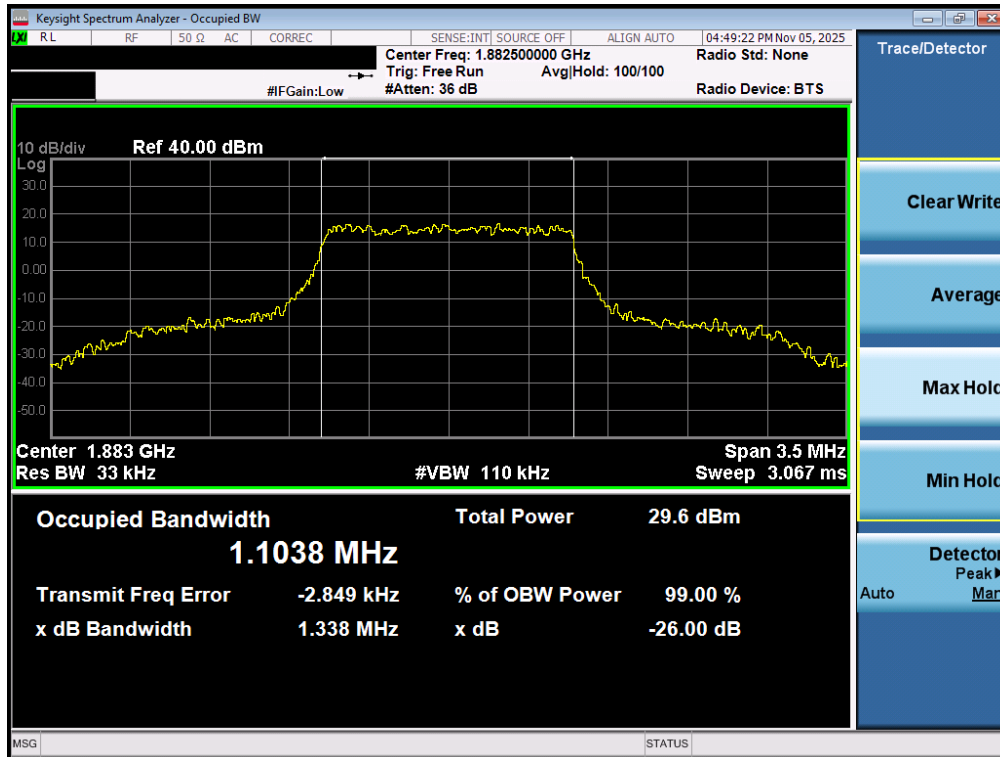


Plot 7-23. Occupied Bandwidth Plot (LTE Band 2 - 3MHz QPSK - Full RB - Ant2)

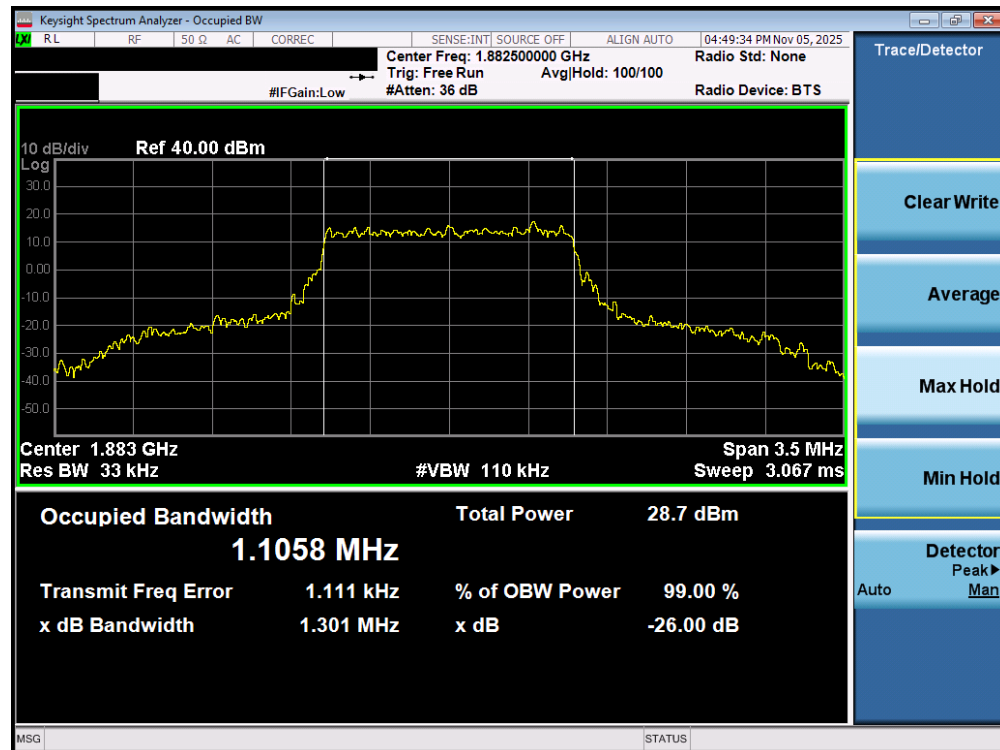


Plot 7-24. Occupied Bandwidth Plot (LTE Band 2 - 3MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-25. Occupied Bandwidth Plot (LTE Band 2 - 1.4MHz QPSK - Full RB - Ant2)



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

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1-A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 32 of 87

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.

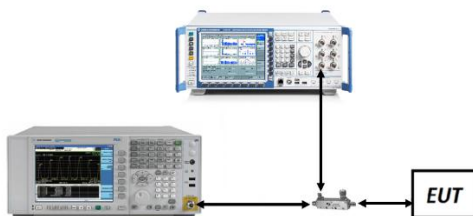


Figure 7-3. Test Instrument & Measurement Setup

Test Notes

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

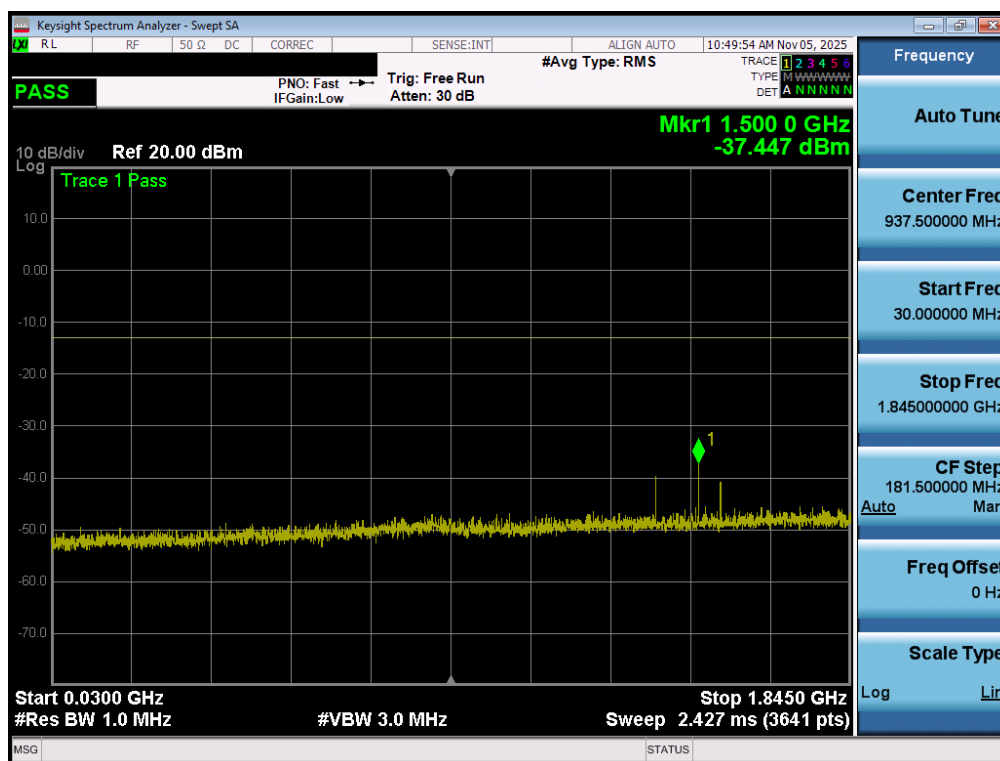
FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 33 of 87

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-PCS	250kHz	Low	30.0 - 1845.0	-37.45	-13	-24.45
		Low	1910.0 - 10000.0	-39.23	-13	-26.23
		Low	10000.0 - 20000.0	-55.49	-13	-42.49
		Mid	30.0 - 1850.0	-39.73	-13	-26.73
		Mid	1910.0 - 10000.0	-38.72	-13	-25.72
		Mid	10000.0 - 20000.0	-55.93	-13	-42.93
		High	30.0 - 1850.0	-38.14	-13	-25.14
		High	1915.0 - 10000.0	-39.43	-13	-26.43
		High	10000.0 - 20000.0	-55.43	-13	-42.43
LTE-B2	20MHz	Low	30.0 - 1849.0	-39.14	-13	-26.14
		Low	1915.0 - 10000.0	-50.21	-13	-37.21
		Low	10000.0 - 20000.0	-63.97	-13	-50.97
		Mid	30.0 - 1850.0	-52.22	-13	-39.22
		Mid	1915.0 - 10000.0	-50.30	-13	-37.30
		Mid	10000.0 - 20000.0	-63.71	-13	-50.71
		High	30.0 - 1850.0	-53.38	-13	-40.38
		High	1916.0 - 10000.0	-40.91	-13	-27.91
		High	10000.0 - 20000.0	-63.48	-13	-50.48

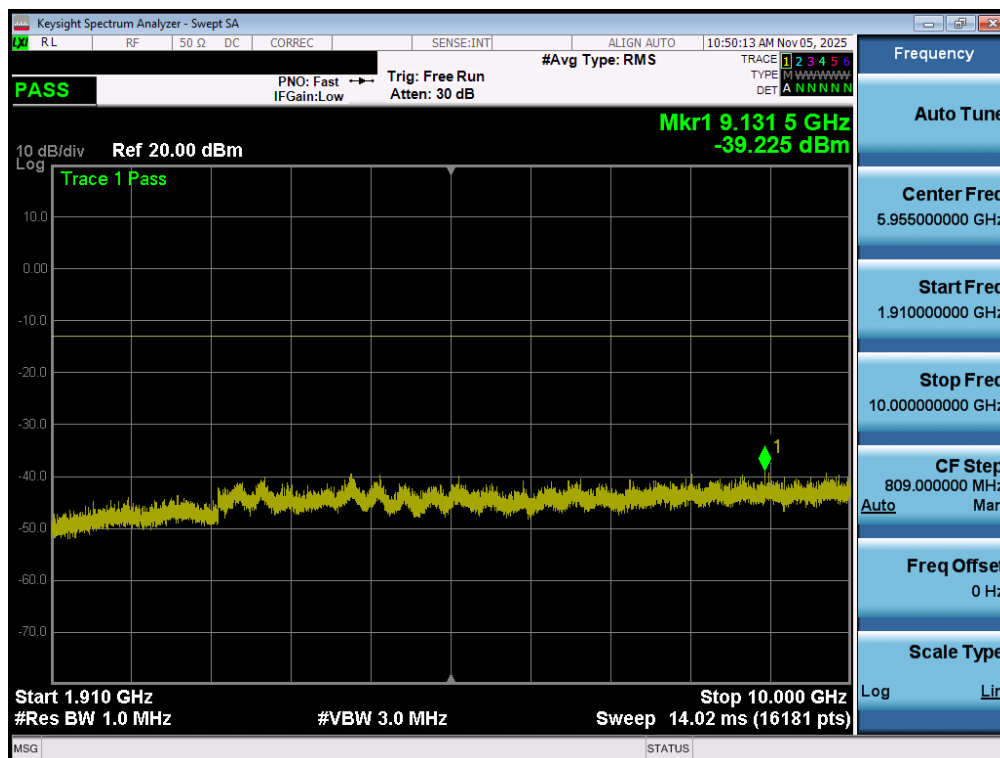
Table 7-5. Conducted Emission Test Results – Ant1

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS – Ant1

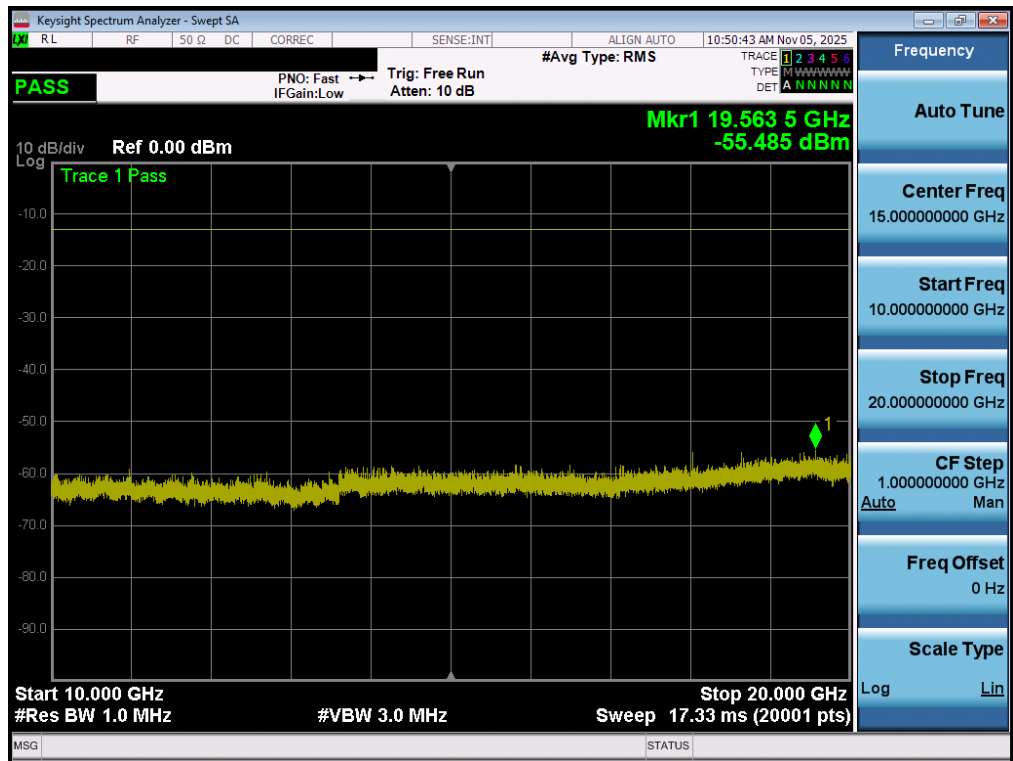


Plot 7-27. Conducted Spurious Plot (GPRS Ch. 512 - Ant1)



Plot 7-28. Conducted Spurious Plot (GPRS Ch. 512 - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1-A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 35 of 87



Plot 7-29. Conducted Spurious Plot (GPRS Ch. 512 - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 36 of 87

LTE Band 2 – Ant1

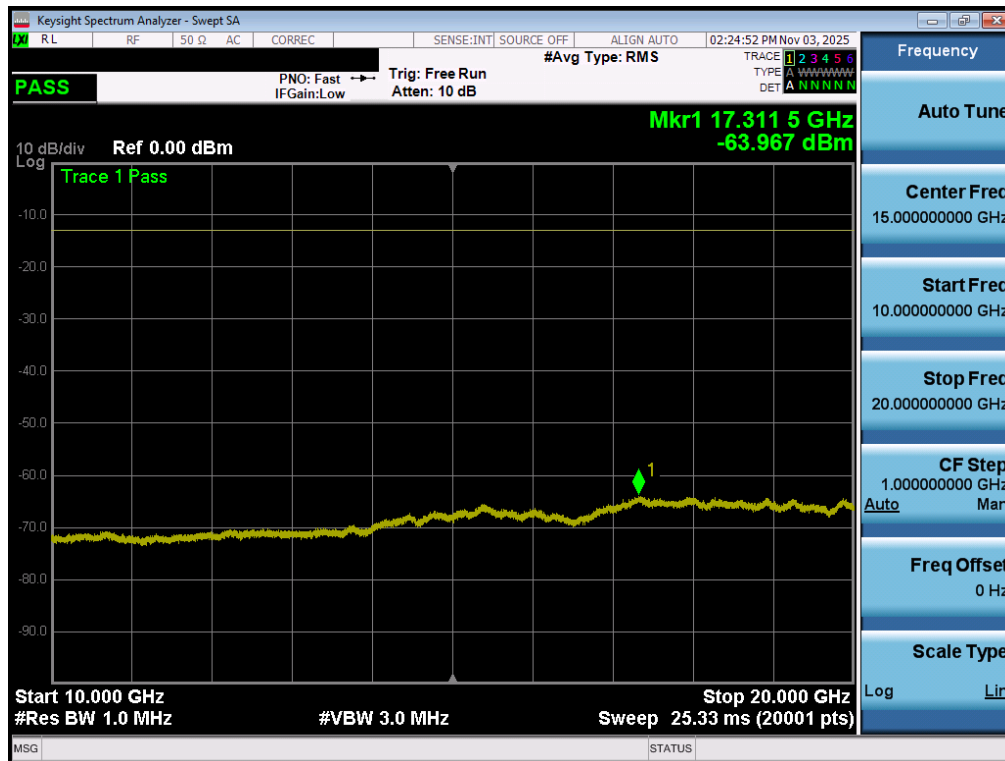


Plot 7-30. Conducted Spurious Plot (LTE Band 2 - 20MHz QPSK - 1RB - Low Channel - Ant1)



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

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 37 of 87



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

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 38 of 87

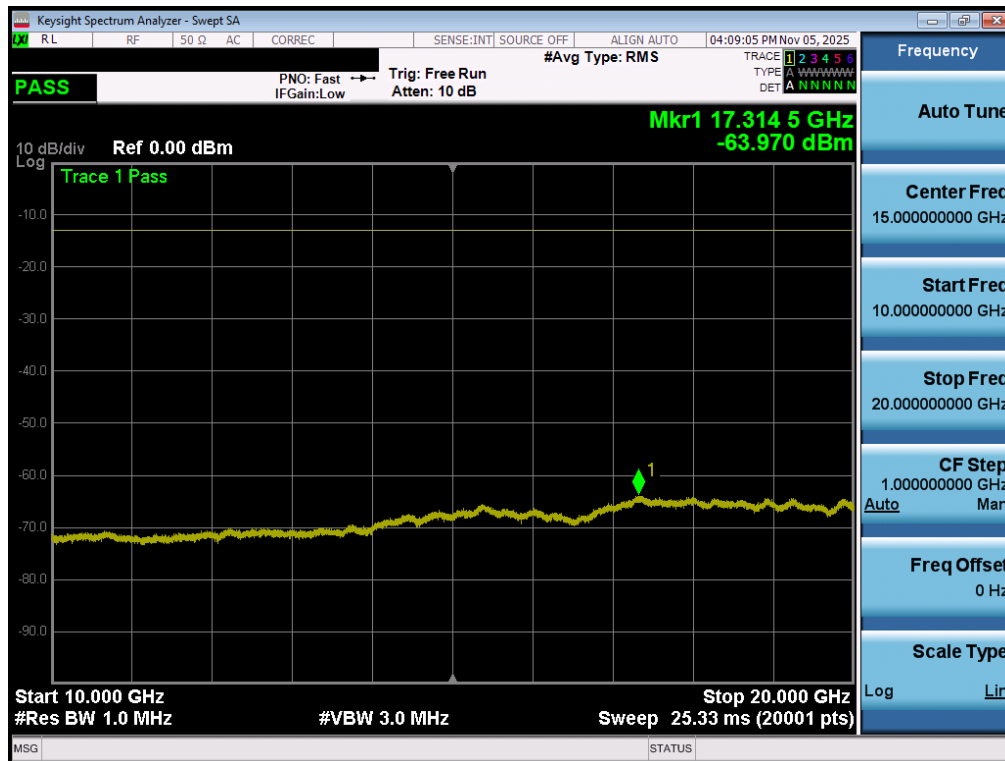
Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B2	20MHz	Low	30.0 - 1849.0	-37.83	-13	-24.83
		Low	1915.0 - 10000.0	-50.13	-13	-37.12
		Low	10000.0 - 20000.0	-63.97	-13	-50.97
		Mid	30.0 - 1850.0	-49.71	-13	-36.71
		Mid	1915.0 - 10000.0	-49.81	-13	-36.81
		Mid	10000.0 - 20000.0	-63.69	-13	-50.69
		High	30.0 - 1850.0	-52.94	-13	-39.94
		High	1916.0 - 10000.0	-37.90	-13	-24.90
		High	10000.0 - 20000.0	-63.81	-13	-50.81

Table 7-6. Conducted Emission Test Results – Ant2

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 39 of 87



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

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 41 of 87

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 $43 + 10 \log_{10}(P_{\text{Watts}})$, 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.

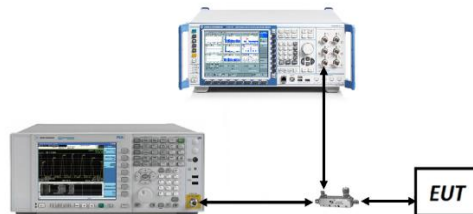


Figure 7-4. Test Instrument & Measurement Setup

Test Notes

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.

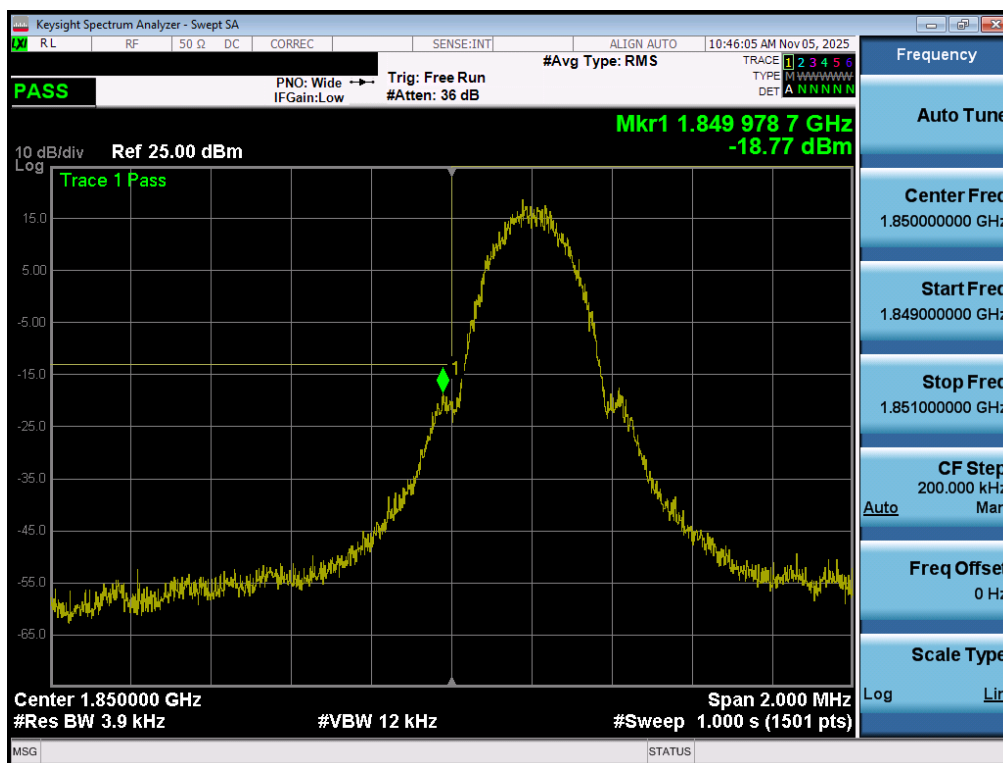
FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 42 of 87

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-PCS	250kHz	Low	Band Edge	-18.77	-13	-5.77
		Low	Extended	-41.10	-13	-28.10
		High	Band Edge	-18.16	-13	-5.16
		High	Extended	-44.51	-13	-31.51
LTE-B2	20MHz	Low	Band Edge	-30.38	-13	-17.38
		Low	Extended	-27.05	-13	-14.05
		High [B2]	Band Edge	-33.85	-13	-20.85
		High [B2]	Extended	-30.08	-13	-17.08
	15MHz	Low	Band Edge	-28.57	-13	-15.57
		Low	Extended	-25.20	-13	-12.20
		High [B2]	Band Edge	-31.97	-13	-18.97
		High [B2]	Extended	-28.68	-13	-15.68
	10MHz	Low	Band Edge	-26.06	-13	-13.06
		Low	Extended	-21.40	-13	-8.40
		High [B2]	Band Edge	-28.95	-13	-15.95
		High [B2]	Extended	-23.69	-13	-10.69
	5MHz	Low	Band Edge	-22.51	-13	-9.51
		Low	Extended	-23.27	-13	-10.27
		High [B2]	Band Edge	-24.56	-13	-11.56
		High [B2]	Extended	-26.66	-13	-13.66
	3MHz	Low	Band Edge	-23.50	-13	-10.50
		Low	Extended	-22.87	-13	-9.87
		High [B2]	Band Edge	-24.01	-13	-11.01
		High [B2]	Extended	-26.14	-13	-13.14
	1.4MHz	Low	Band Edge	-26.44	-13	-13.44
		Low	Extended	-26.25	-13	-13.25
		High [B2]	Band Edge	-27.81	-13	-14.81
		High [B2]	Extended	-27.47	-13	-14.47

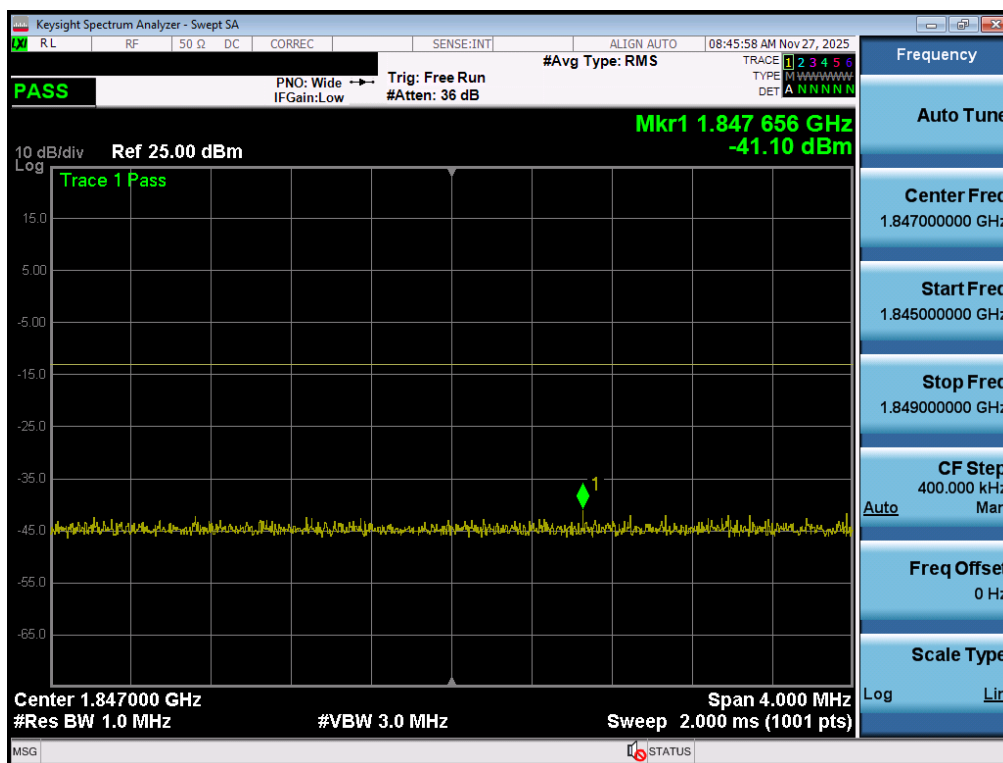
Table 7-7. Conducted Band Edge Results – Ant1

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 43 of 87

GSM/GPRS PCS – Ant1

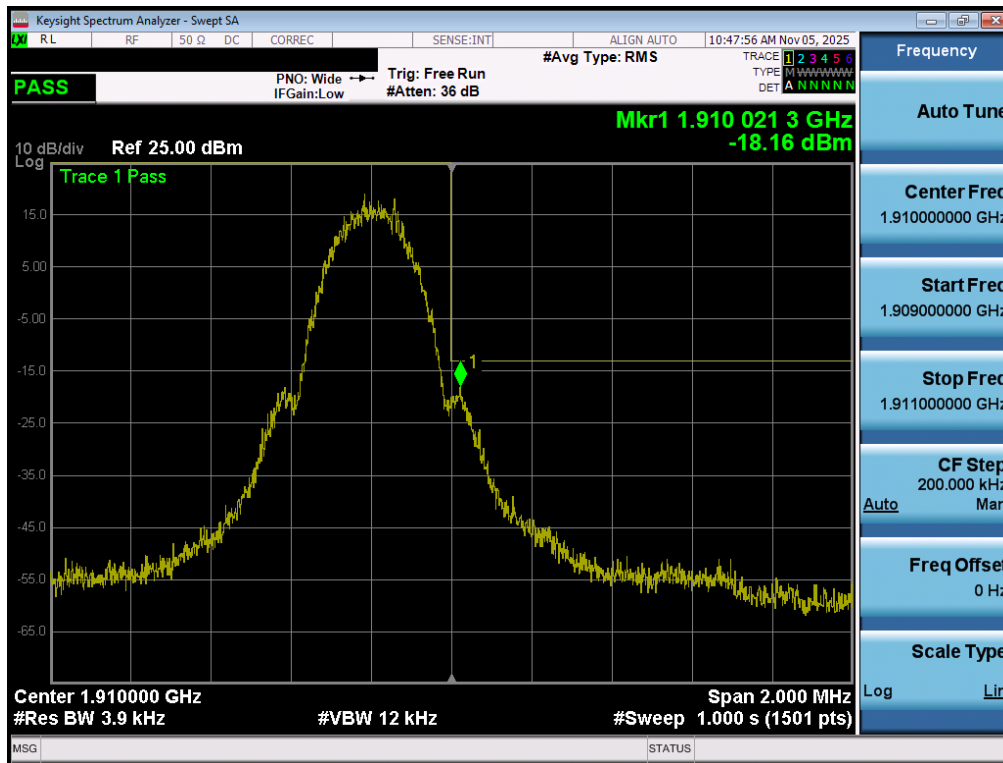


Plot 7-36. Lower Band Edge Plot (GPRS PCS – Ch. 810 - Ant1)

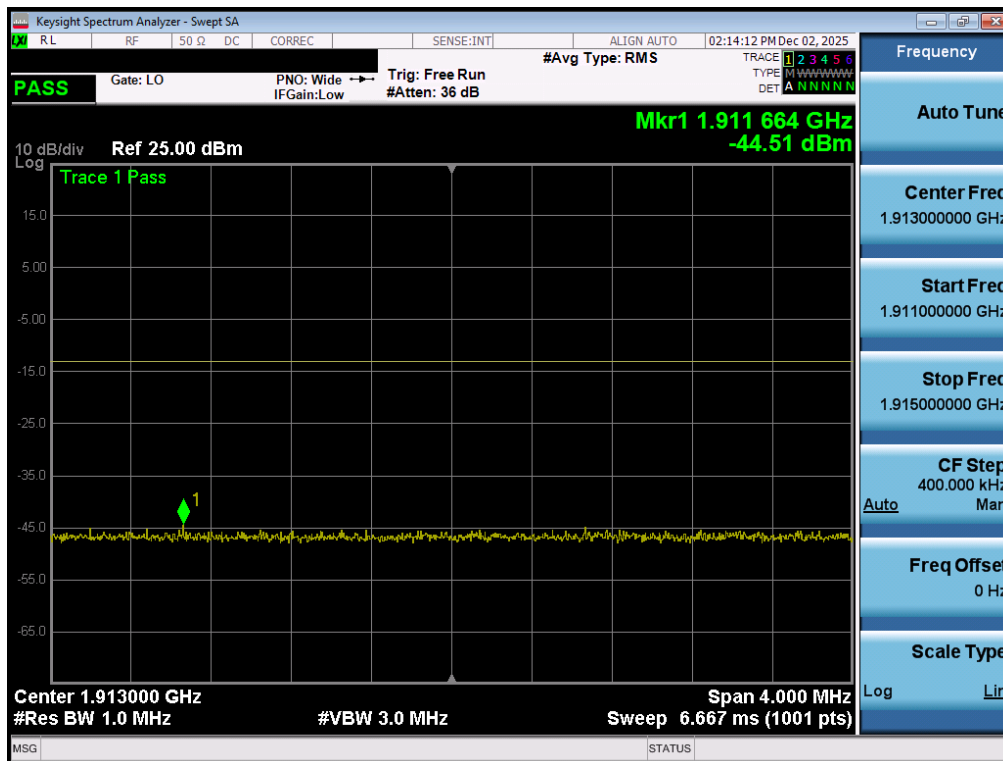


Plot 7-37. Extended Lower Band Edge Plot (GPRS PCS – Ch. 512 - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1-A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 44 of 87



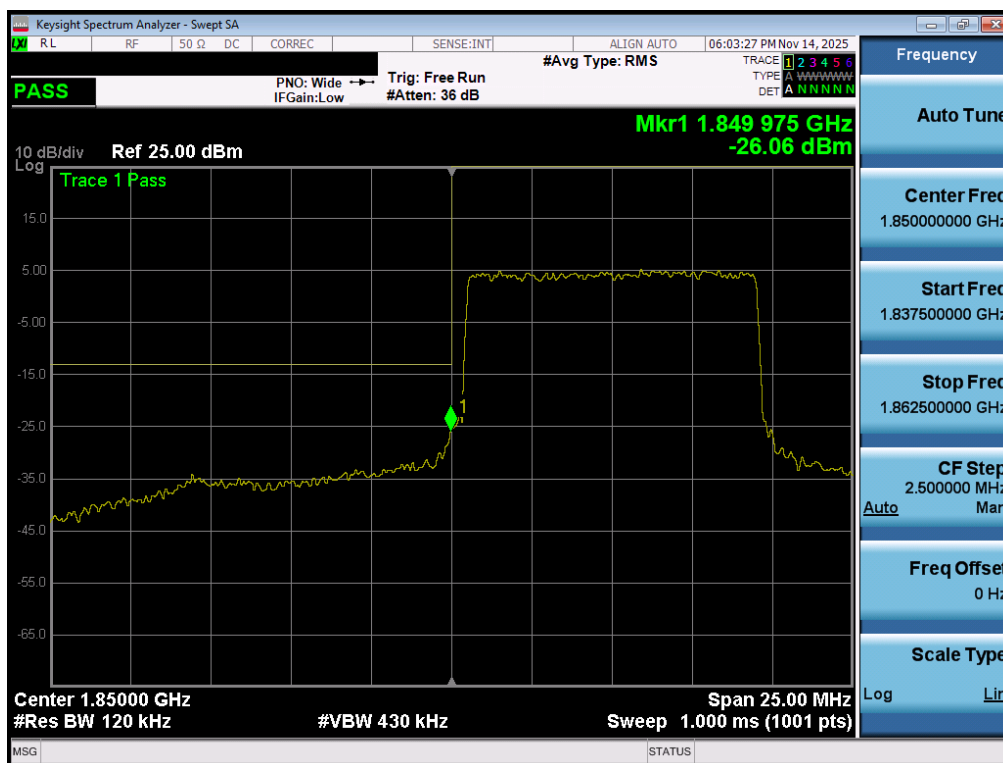
Plot 7-38. Upper Band Edge Plot (GPRS PCS – Ch. 810 - Ant1)



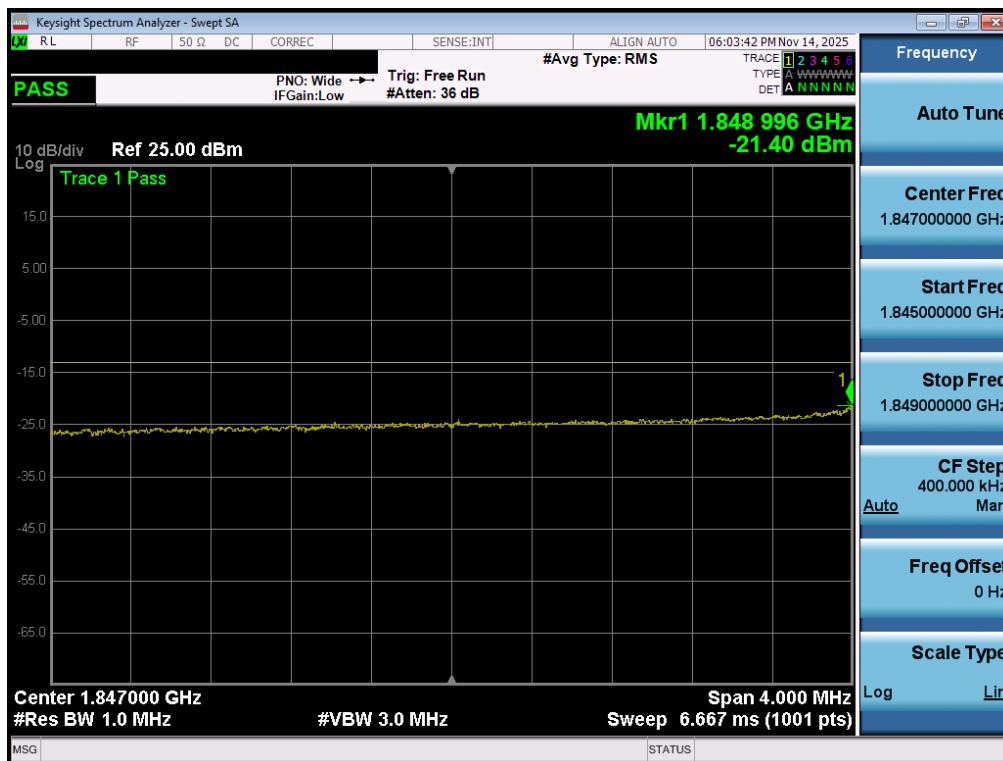
Plot 7-39. Extended Upper Band Edge Plot (GPRS PCS – Ch. 512 - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1-A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 45 of 87

LTE Band 2 – Ant1

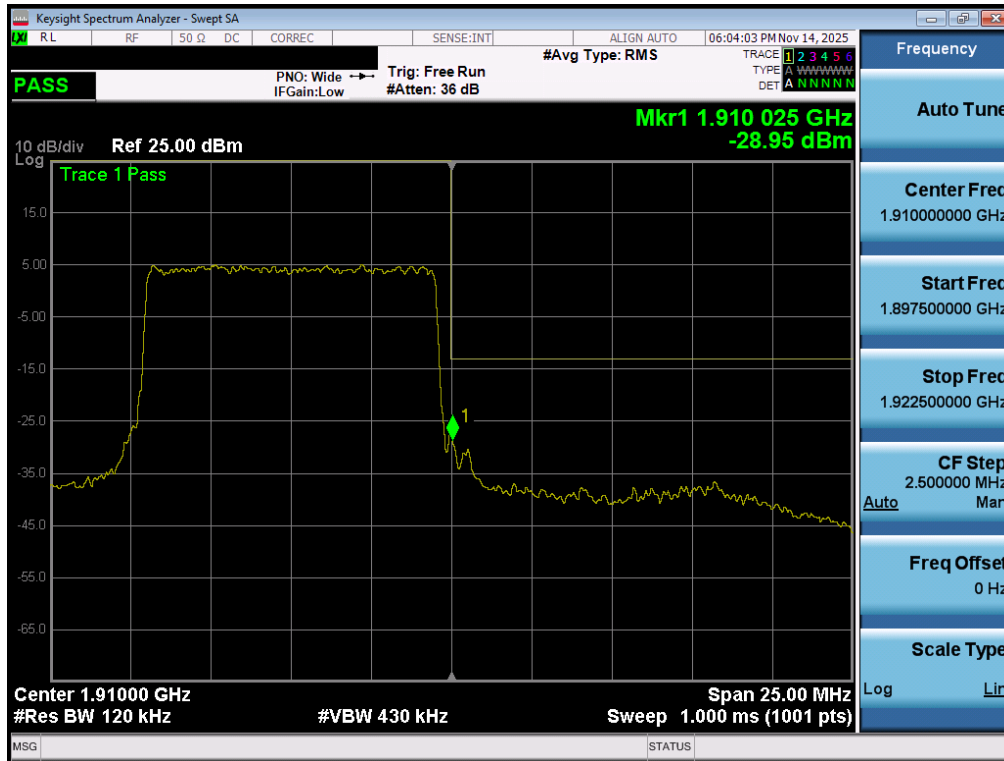


Plot 7-40. Lower Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB - Ant1)

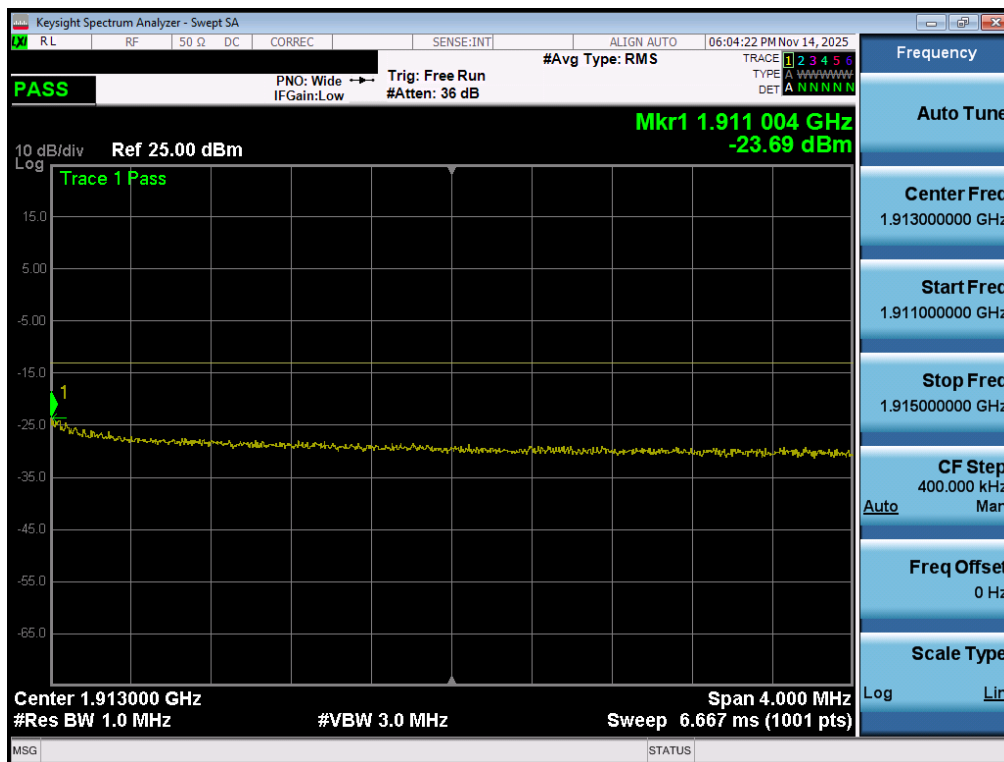


Plot 7-41. Extended Lower Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1-A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 46 of 87



Plot 7-42. Upper Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB - Ant1)



Plot 7-43. Extended Upper Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 47 of 87

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B2	20MHz	Low	Band Edge	-26.95	-13	-13.95
		Low	Extended	-20.39	-13	-7.39
		High [B2]	Band Edge	-26.76	-13	-13.76
		High [B2]	Extended	-20.57	-13	-7.57
	15MHz	Low	Band Edge	-26.17	-13	-13.17
		Low	Extended	-19.30	-13	-6.30
		High [B2]	Band Edge	-25.95	-13	-12.95
		High [B2]	Extended	-19.88	-13	-6.88
	10MHz	Low	Band Edge	-25.23	-13	-12.23
		Low	Extended	-17.95	-13	-4.95
		High [B2]	Band Edge	-25.14	-13	-12.14
		High [B2]	Extended	-17.52	-13	-4.52
	5MHz	Low	Band Edge	-22.11	-13	-9.11
		Low	Extended	-18.21	-13	-5.21
		High [B2]	Band Edge	-21.92	-13	-8.92
		High [B2]	Extended	-16.96	-13	-3.96
	3MHz	Low	Band Edge	-22.80	-13	-9.80
		Low	Extended	-18.04	-13	-5.04
		High [B2]	Band Edge	-22.04	-13	-9.04
		High [B2]	Extended	-16.60	-13	-3.60
	1.4MHz	Low	Band Edge	-24.38	-13	-11.38
		Low	Extended	-31.97	-13	-18.97
		High [B2]	Band Edge	-22.40	-13	-9.40
		High [B2]	Extended	-30.40	-13	-17.40

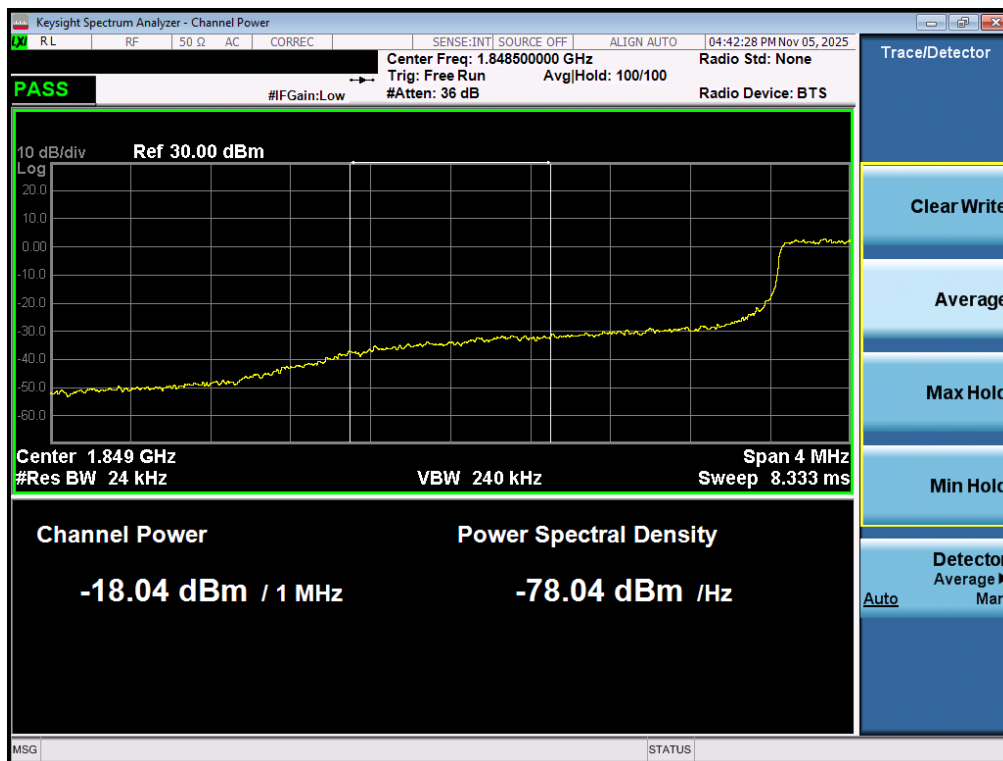
Table 7-8. Conducted Band Edge Results – Ant2

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 48 of 87

LTE Band 2 – Ant2



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

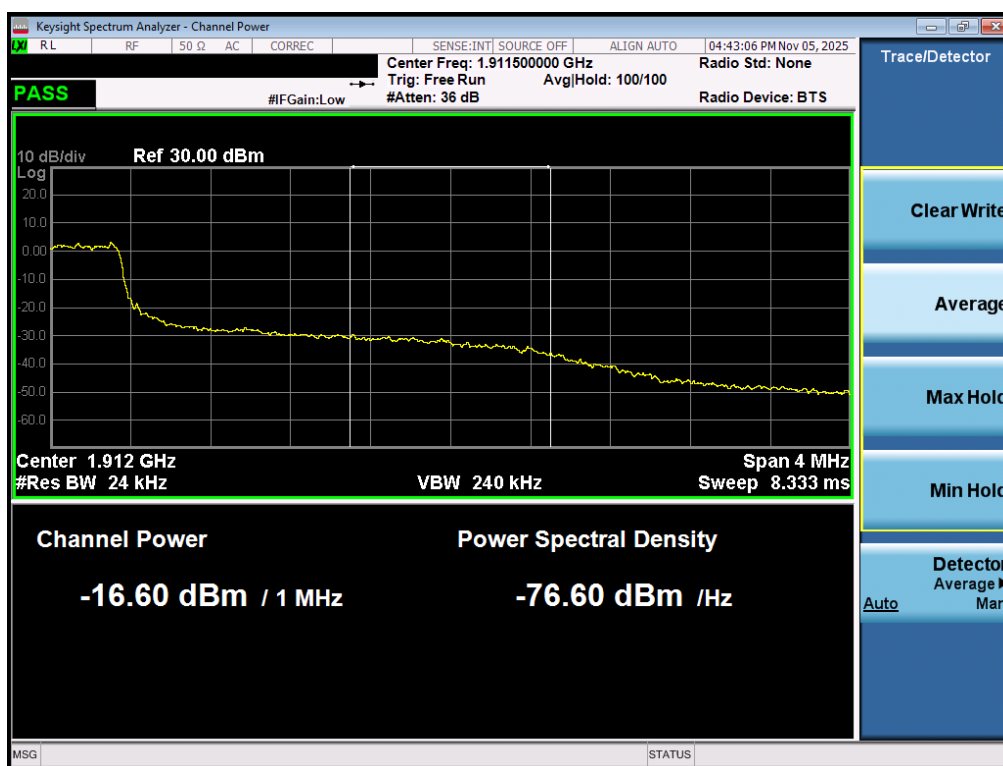


Plot 7-45. Extended Lower Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 49 of 87



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: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 50 of 87

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.

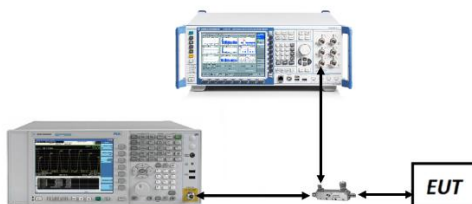


Figure 7-5. Test Instrument & Measurement Setup

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.

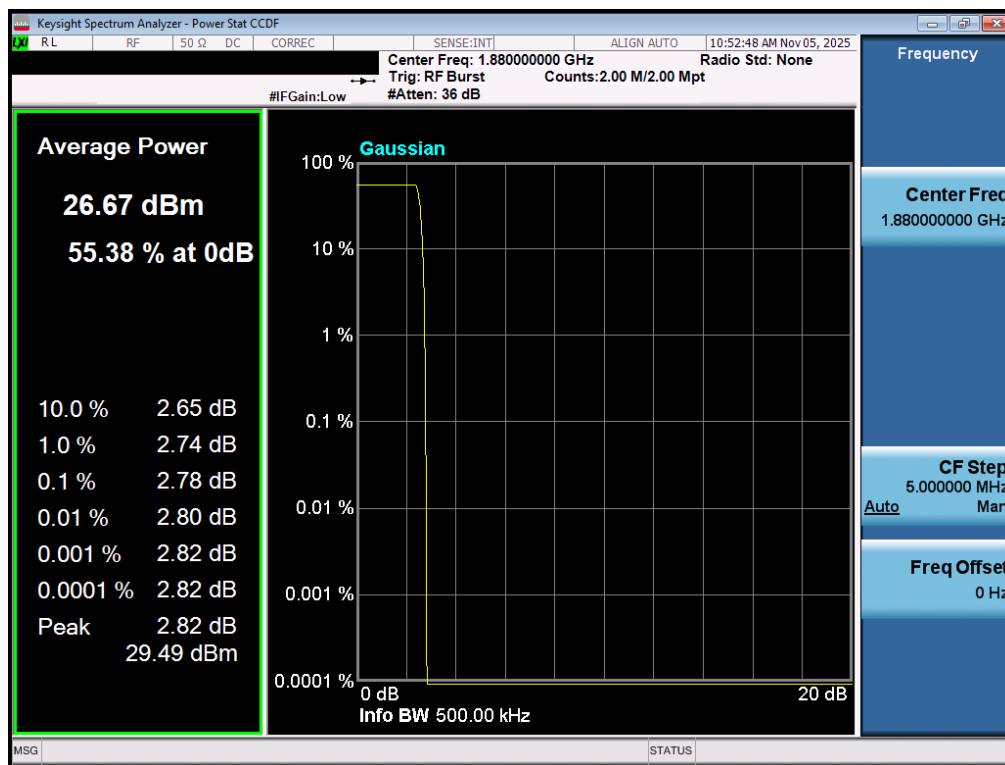
FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 51 of 87

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM-PCS	N/A	GMSK	26.67	2.78	13	-10.22
GSM-PCS EDGE		8-PSK	21.87	5.50	13	-7.50
LTE-B2	20MHz	QPSK	22.55	4.89	13	-8.11
		256QAM	18.41	5.66	13	-7.34
	15MHz	QPSK	22.49	4.91	13	-8.09
		256QAM	18.21	5.68	13	-7.32
	10MHz	QPSK	22.78	4.97	13	-8.03
		256QAM	18.29	5.65	13	-7.35
	5MHz	QPSK	22.65	4.99	13	-8.01
		256QAM	18.02	6.36	13	-6.64
	3MHz	QPSK	22.76	5.02	13	-7.98
		256QAM	17.99	6.37	13	-6.63
	1.4MHz	QPSK	22.60	4.96	13	-8.04
		256QAM	18.75	7.46	13	-5.54

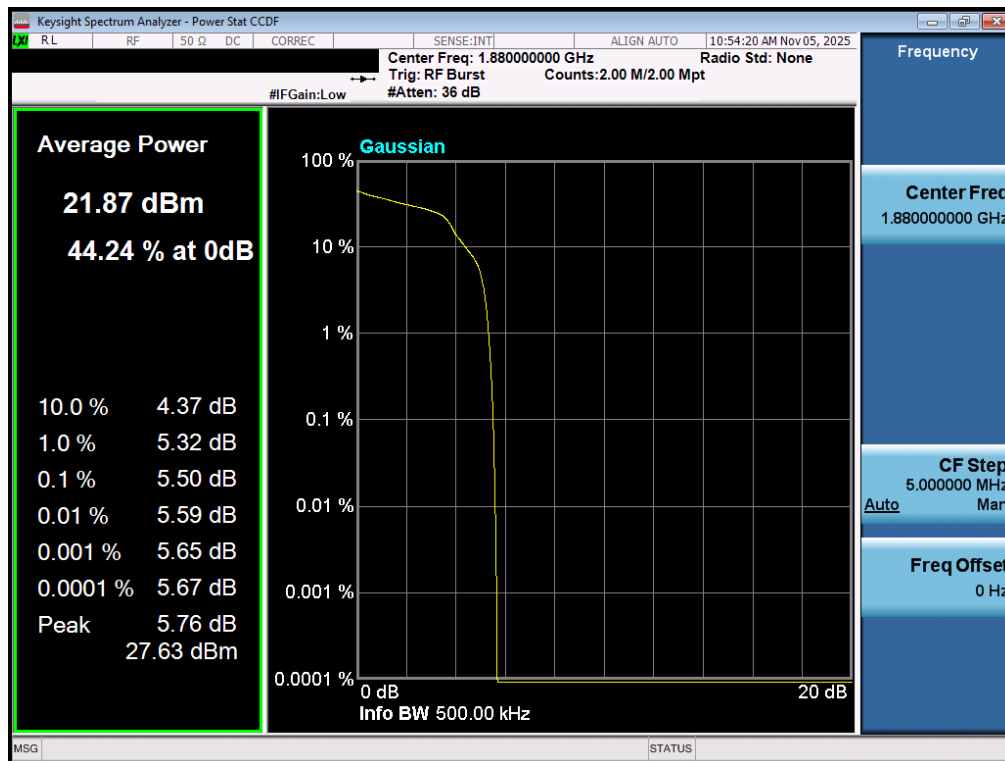
Table 7-9. Peak-Average Ratio Results – Ant1

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 52 of 87

GSM/GPRS PCS – Ant1



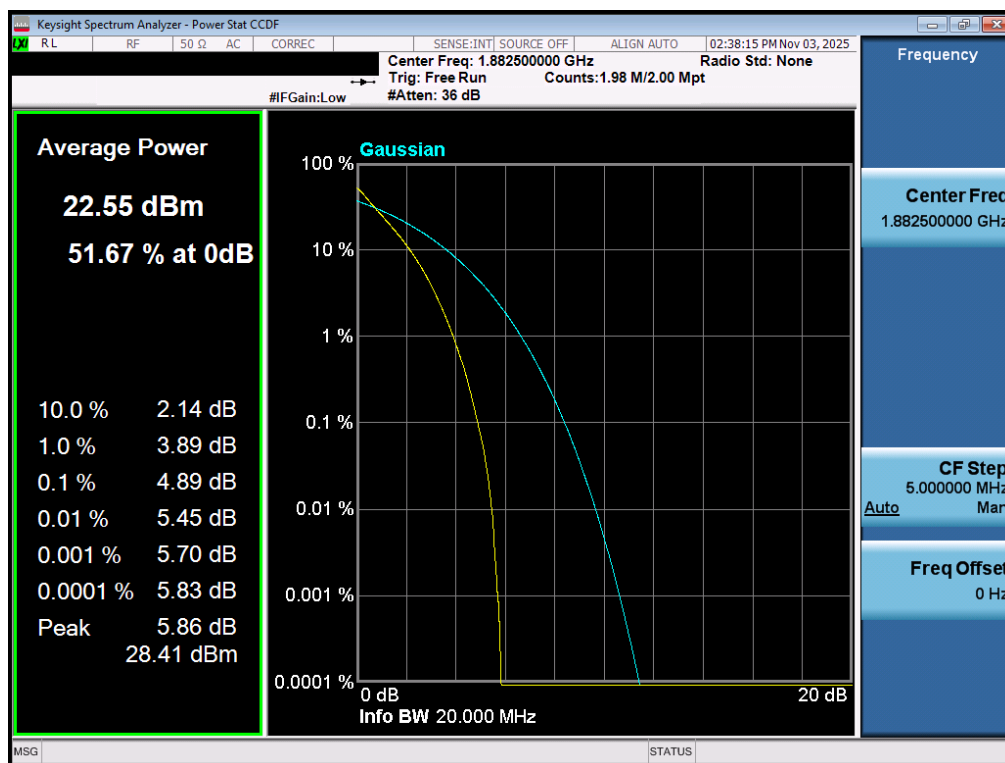
Plot 7-48. PAR Plot (GPRS, Ch. 661 - Ant1)



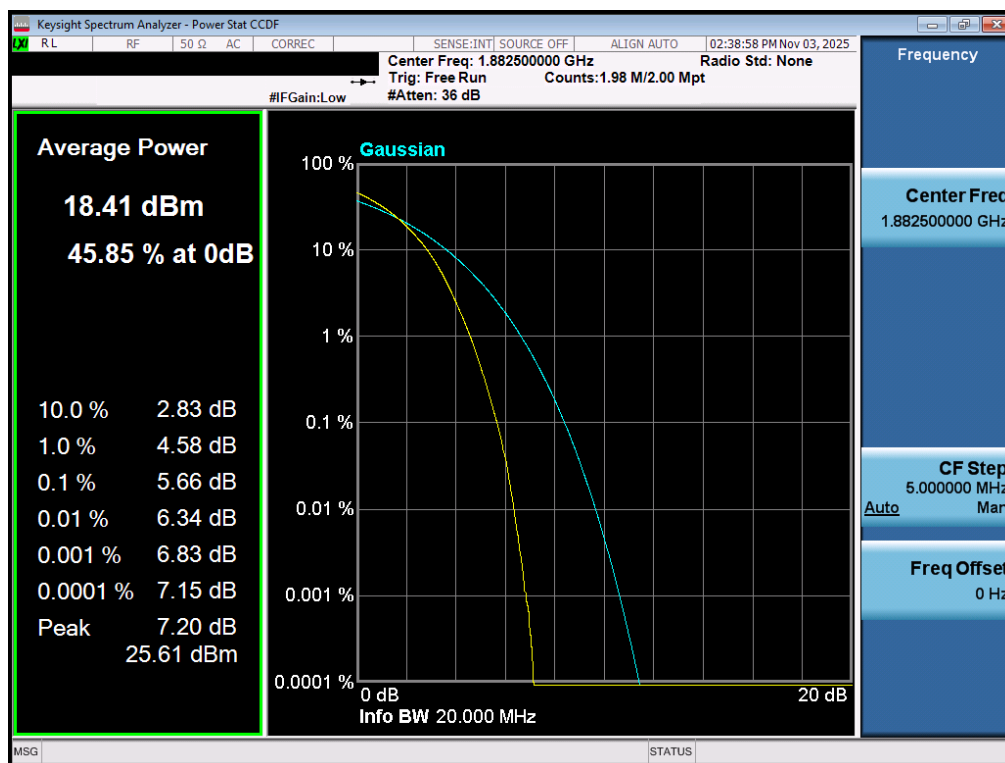
Plot 7-49. PAR Plot (EDGE, Ch. 661 - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 53 of 87

LTE Band 2 – Ant1

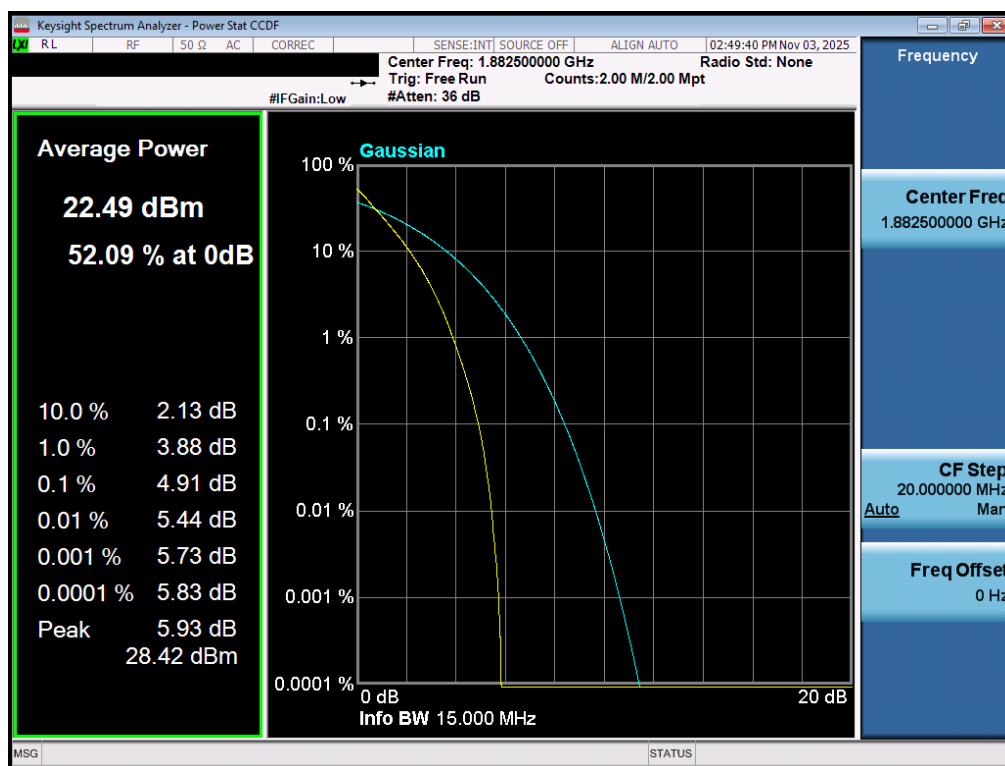


Plot 7-50. PAR Plot (LTE Band 2 - 20MHz QPSK - Full RB - Ant1)

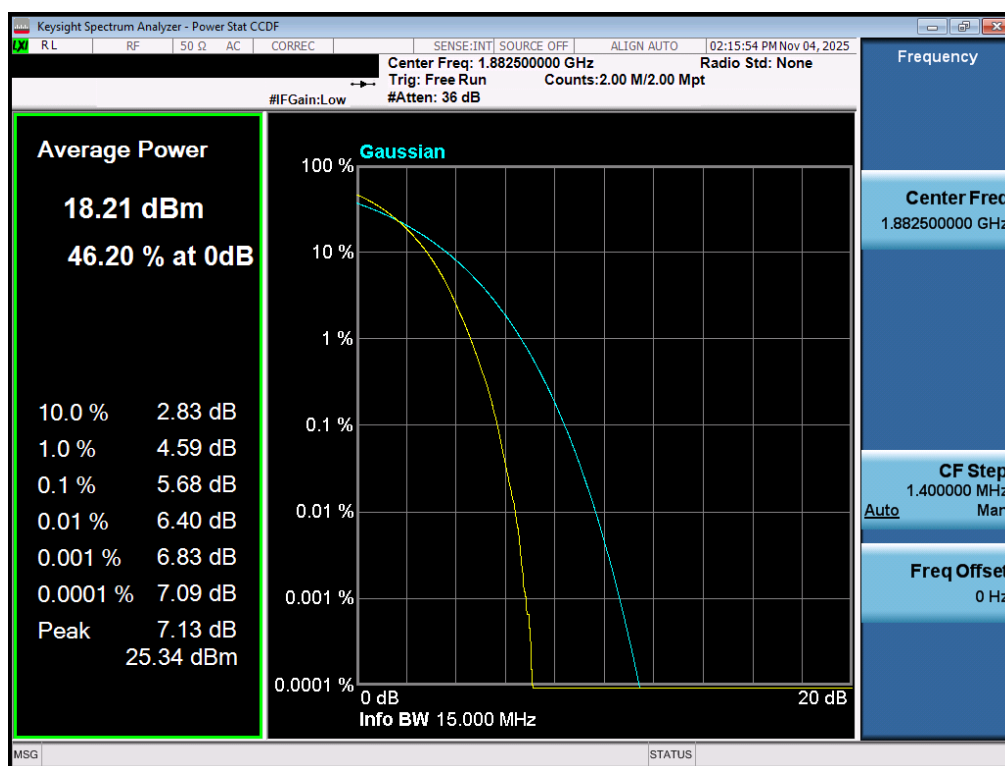


Plot 7-51. PAR Plot (LTE Band 2 - 20MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1-A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 54 of 87

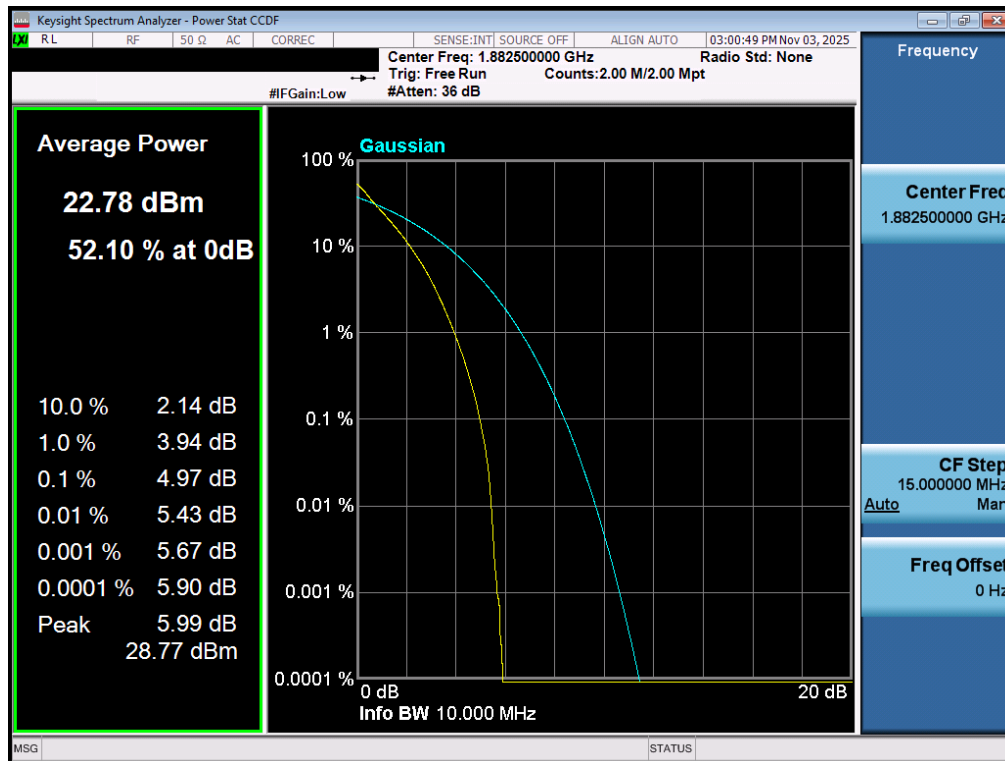


Plot 7-52. PAR Plot (LTE Band 2 - 15MHz QPSK - Full RB - Ant1)

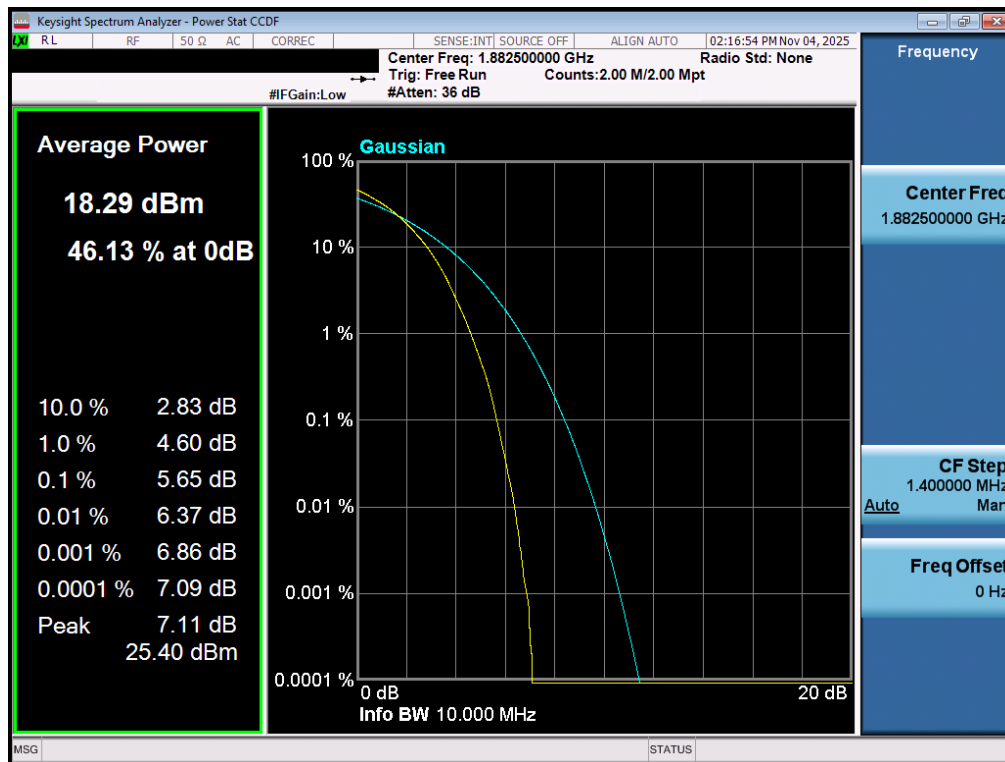


Plot 7-53. PAR Plot (LTE Band 2 - 15MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 55 of 87

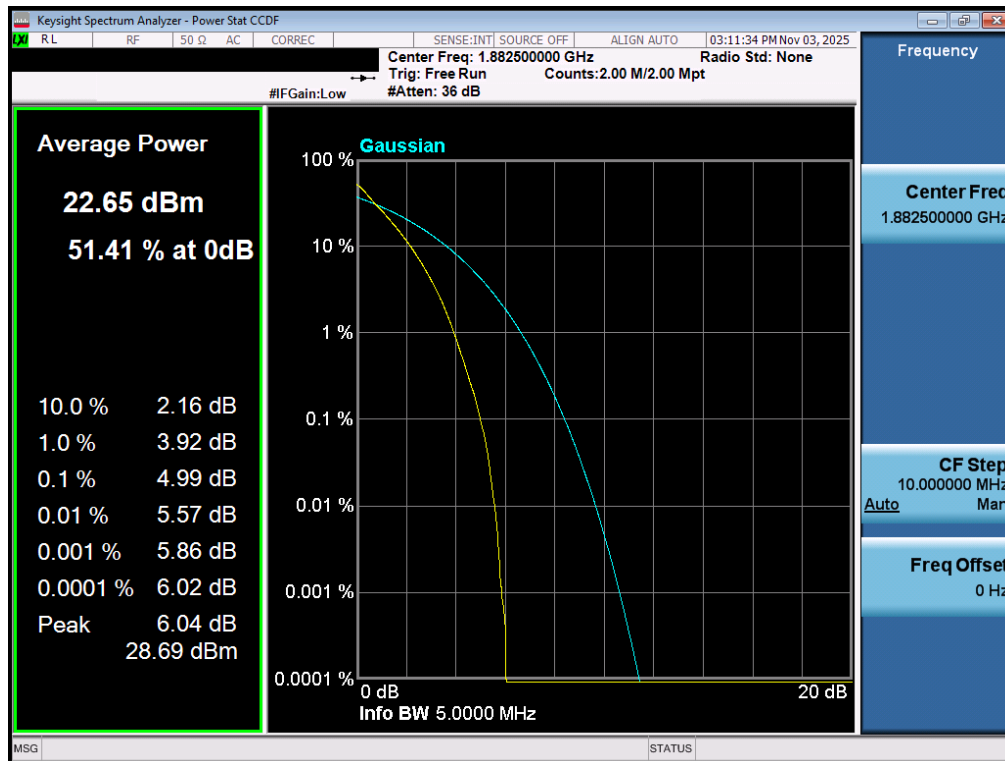


Plot 7-54. PAR Plot (LTE Band 2 - 10MHz QPSK - Full RB - Ant1)

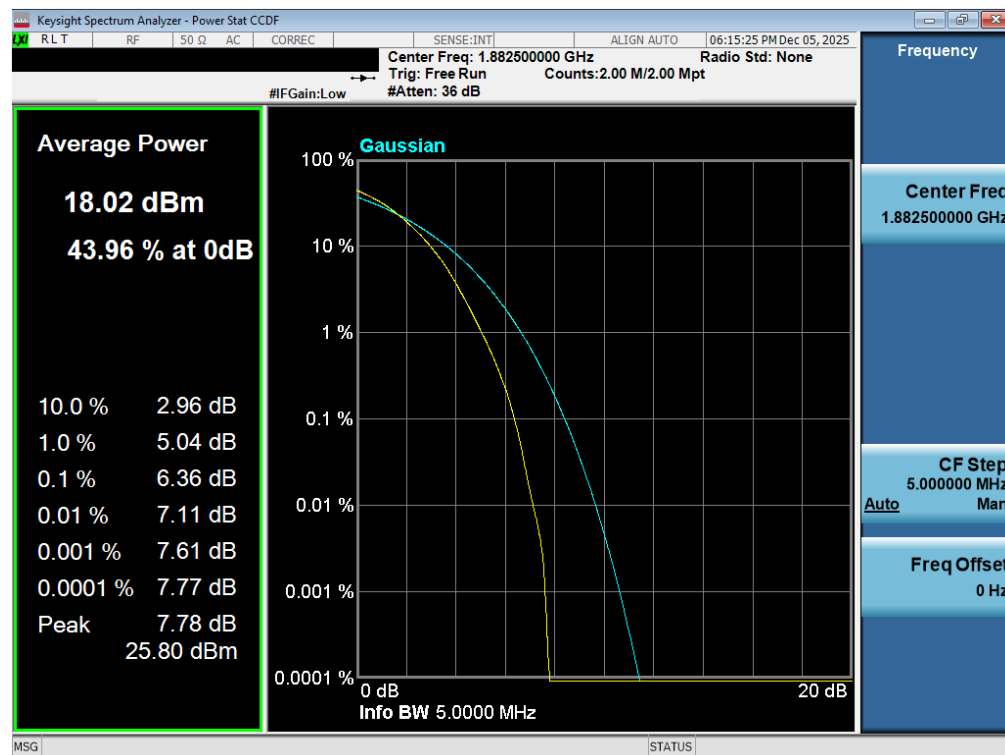


Plot 7-55. PAR Plot (LTE Band 2 - 10MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 56 of 87

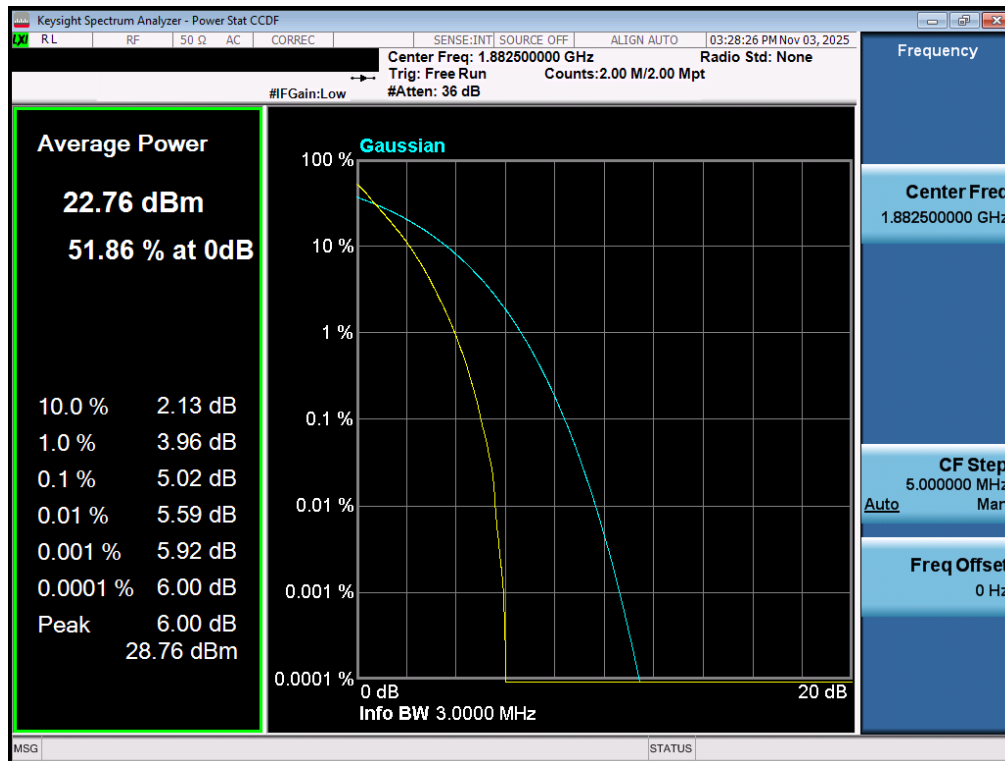


Plot 7-56. PAR Plot (LTE Band 2 - 5MHz QPSK - Full RB - Ant1)

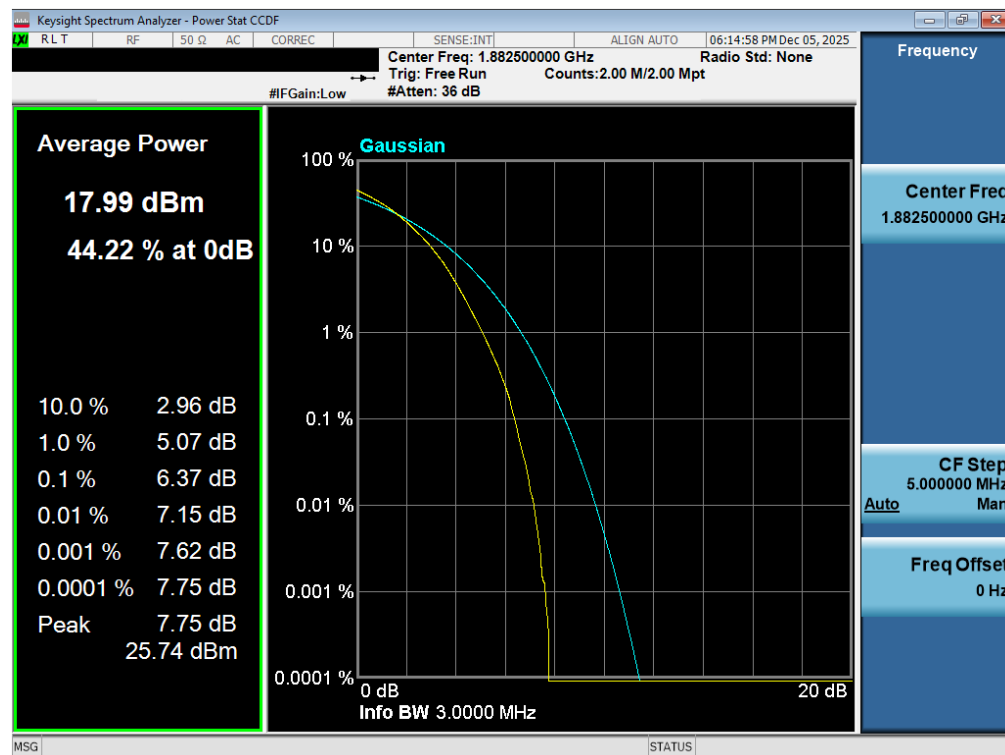


Plot 7-57. PAR Plot (LTE Band 2 - 5MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 57 of 87

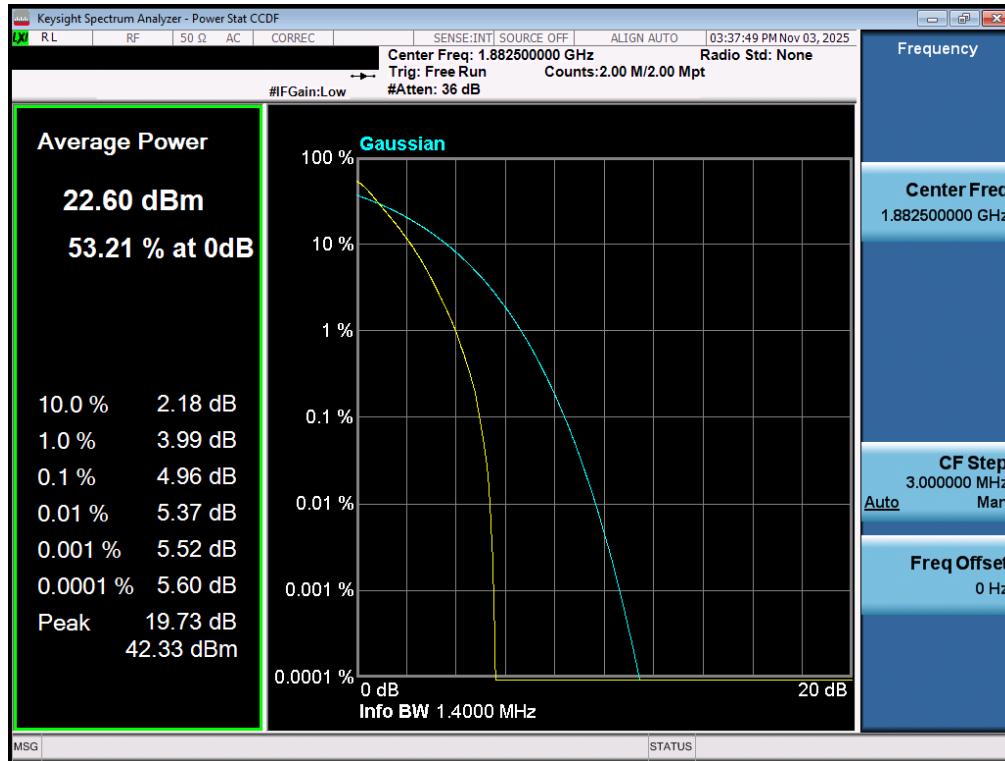


Plot 7-58. PAR Plot (LTE Band 2 - 3MHz QPSK - Full RB - Ant1)

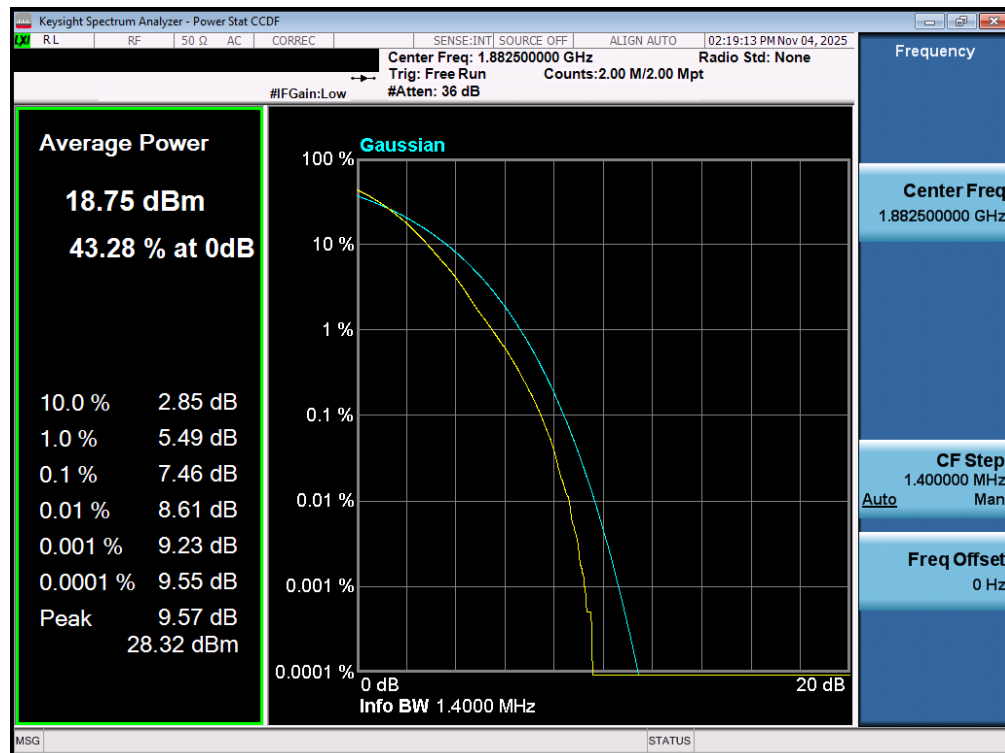


Plot 7-59. PAR Plot (LTE Band 2 - 3MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 58 of 87



Plot 7-60. PAR Plot (LTE Band 2 - 1.4MHz QPSK - Full RB - Ant1)



Plot 7-61. PAR Plot (LTE Band 2 - 1.4MHz 256-QAM - Full RB - Ant1)

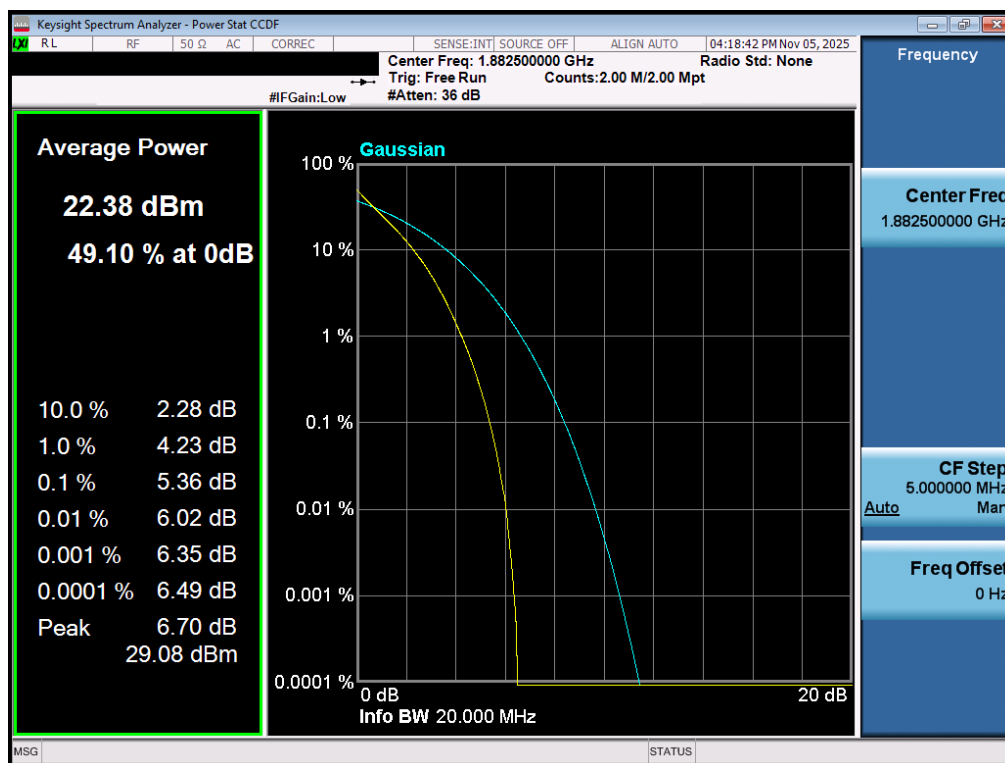
FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 59 of 87

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B2	20MHz	QPSK	22.38	5.36	13	-7.64
		256QAM	18.43	5.91	13	-7.09
	15MHz	QPSK	22.42	5.39	13	-7.61
		256QAM	18.24	5.87	13	-7.13
	10MHz	QPSK	22.42	5.42	13	-7.58
		256QAM	18.30	5.88	13	-7.13
	5MHz	QPSK	22.43	5.47	13	-7.53
		256QAM	18.37	5.82	13	-7.18
	3MHz	QPSK	22.48	5.44	13	-7.56
		256QAM	18.39	5.85	13	-7.15
	1.4MHz	QPSK	22.39	5.52	13	-7.48
		256QAM	18.50	5.72	13	-7.28

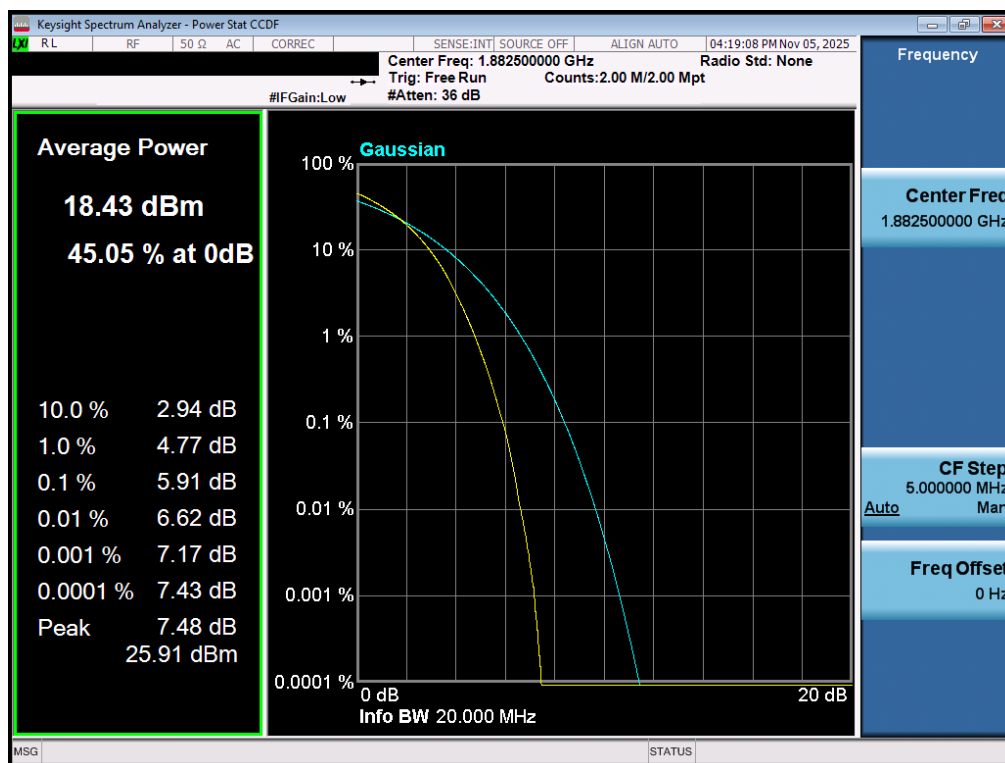
Table 7-10. Peak-Average Ratio Results – Ant2

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 60 of 87

LTE Band 2 – Ant2

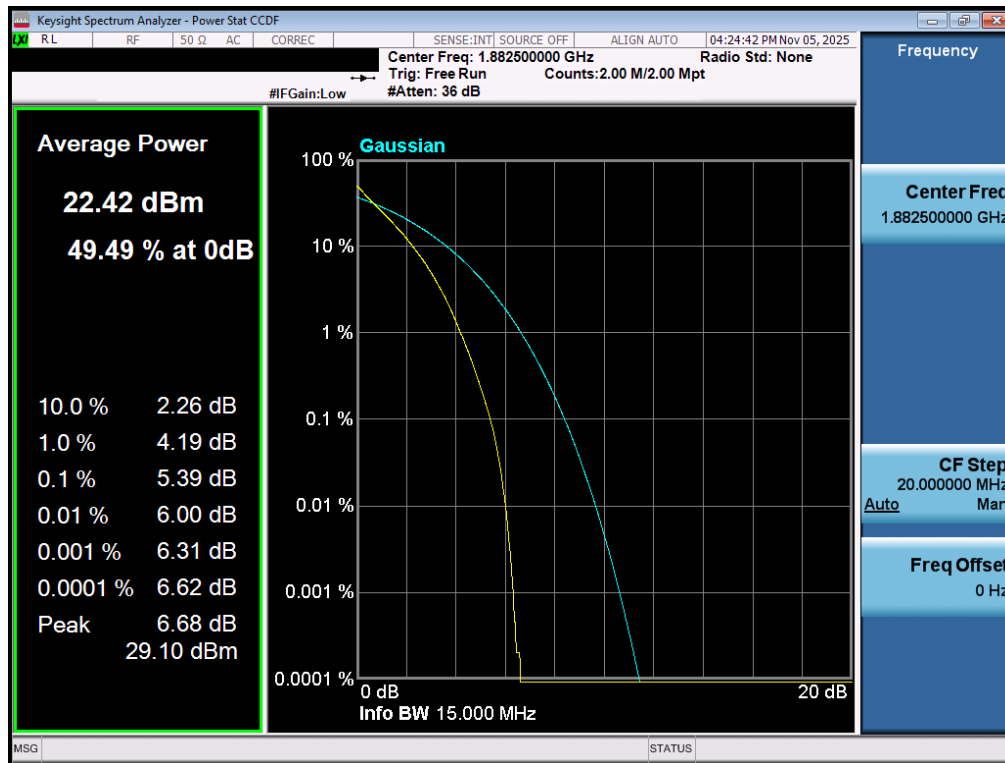


Plot 7-62. PAR Plot (LTE Band 2 - 20MHz QPSK - Full RB - Ant2)

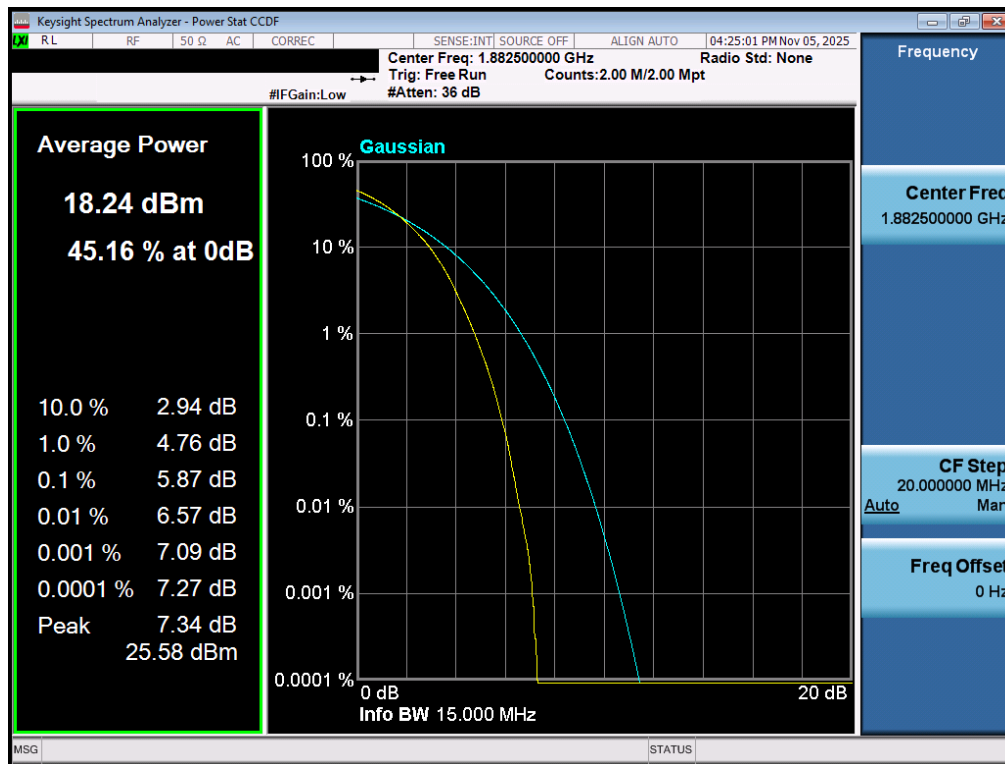


Plot 7-63. PAR Plot (LTE Band 2 - 20MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 61 of 87

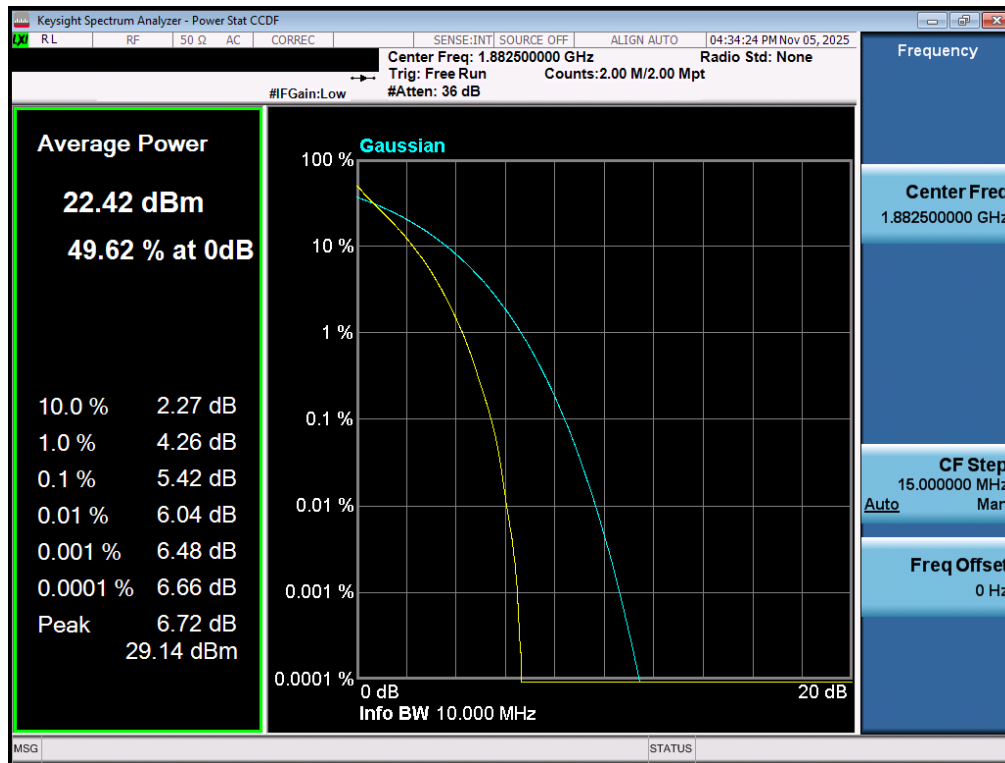


Plot 7-64. PAR Plot (LTE Band 2 - 15MHz QPSK - Full RB - Ant2)

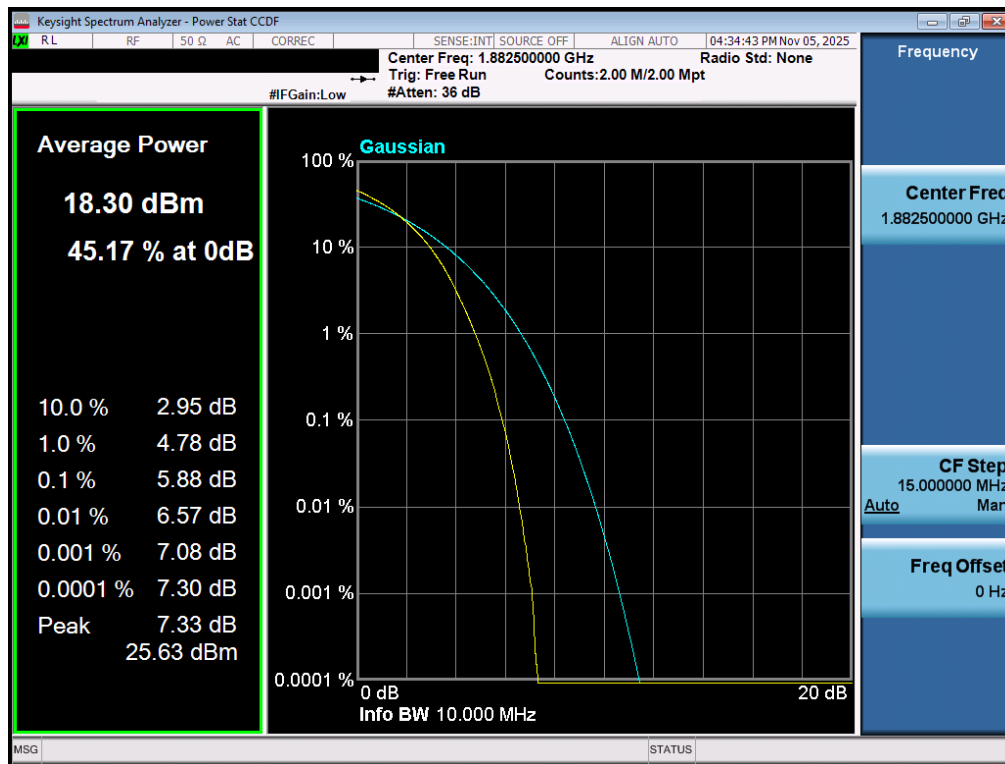


Plot 7-65. PAR Plot (LTE Band 2 - 15MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 62 of 87

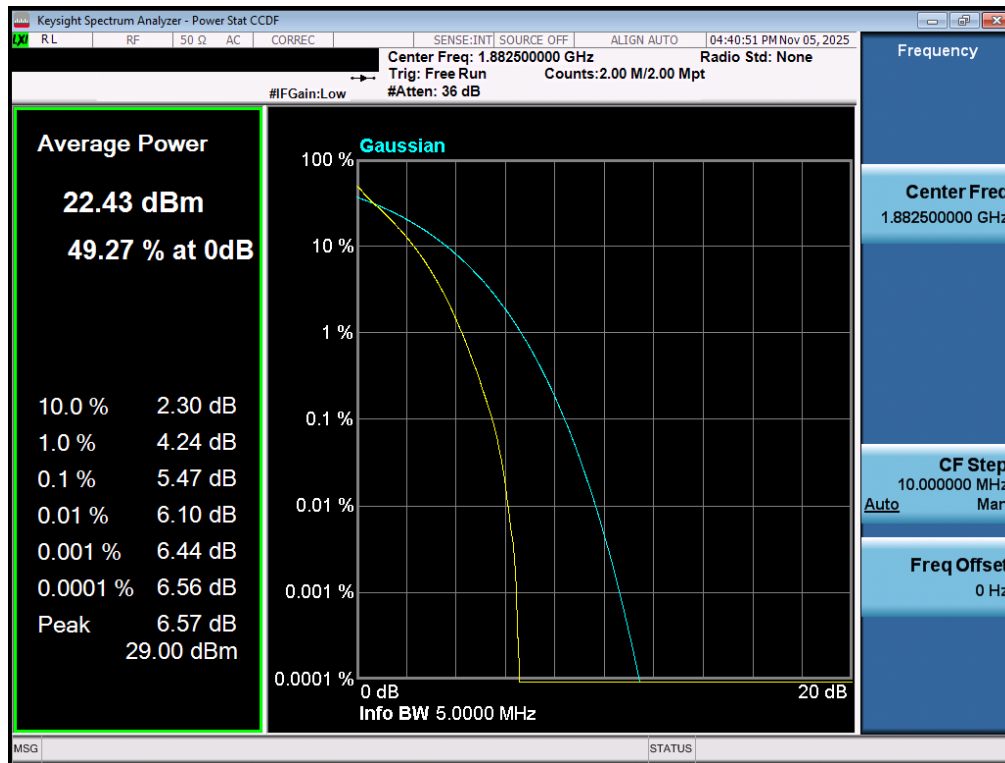


Plot 7-66. PAR Plot (LTE Band 2 - 10MHz QPSK - Full RB - Ant2)

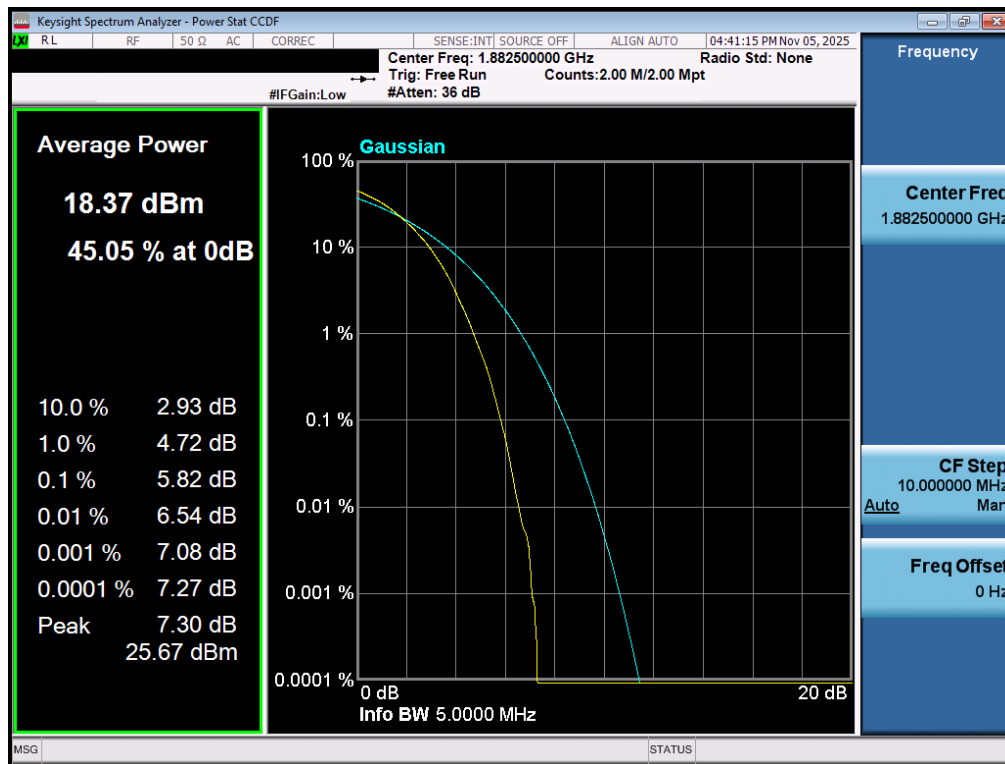


Plot 7-67. PAR Plot (LTE Band 2 - 10MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 63 of 87

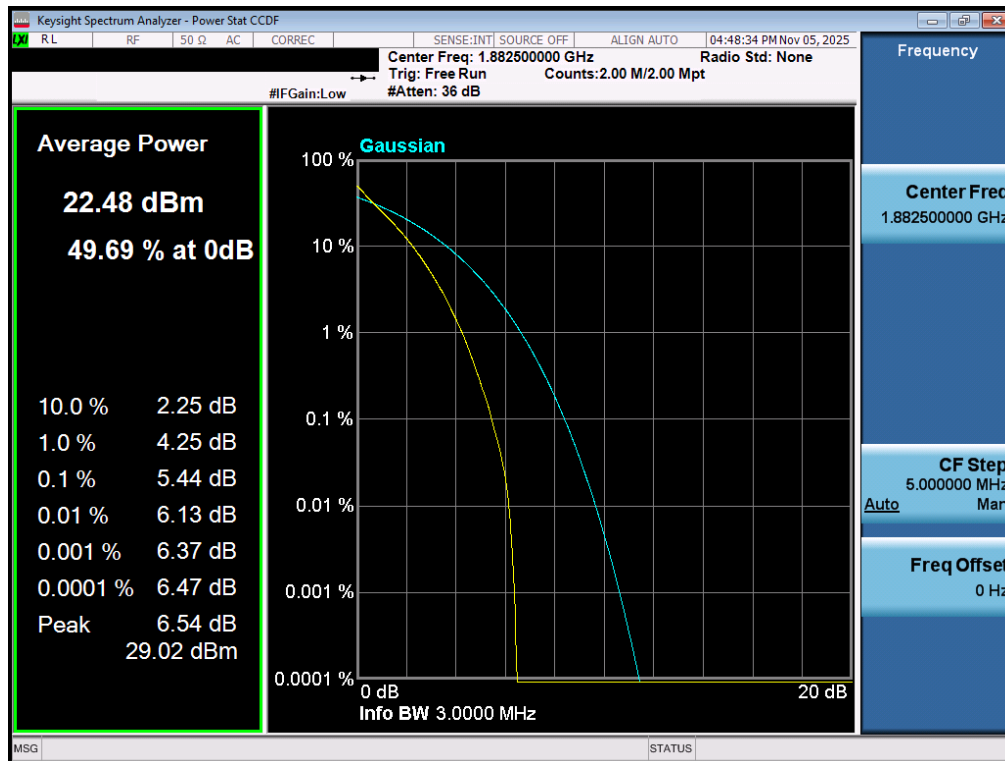


Plot 7-68. PAR Plot (LTE Band 2 - 5MHz QPSK - Full RB - Ant2)

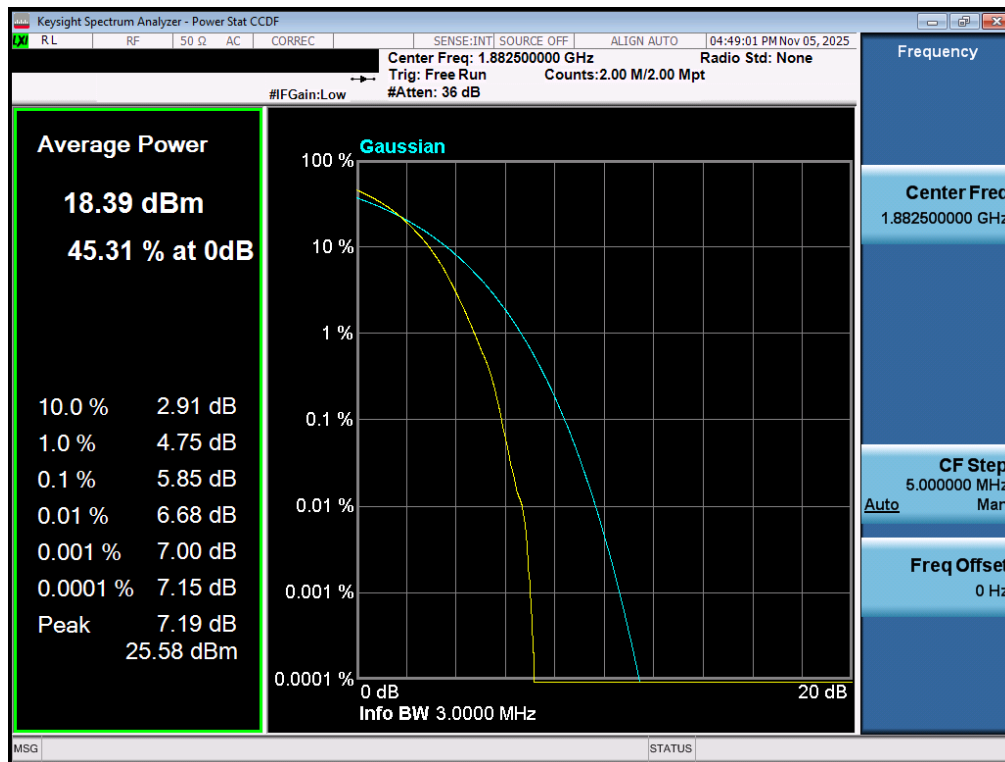


Plot 7-69. PAR Plot (LTE Band 2 - 5MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 64 of 87

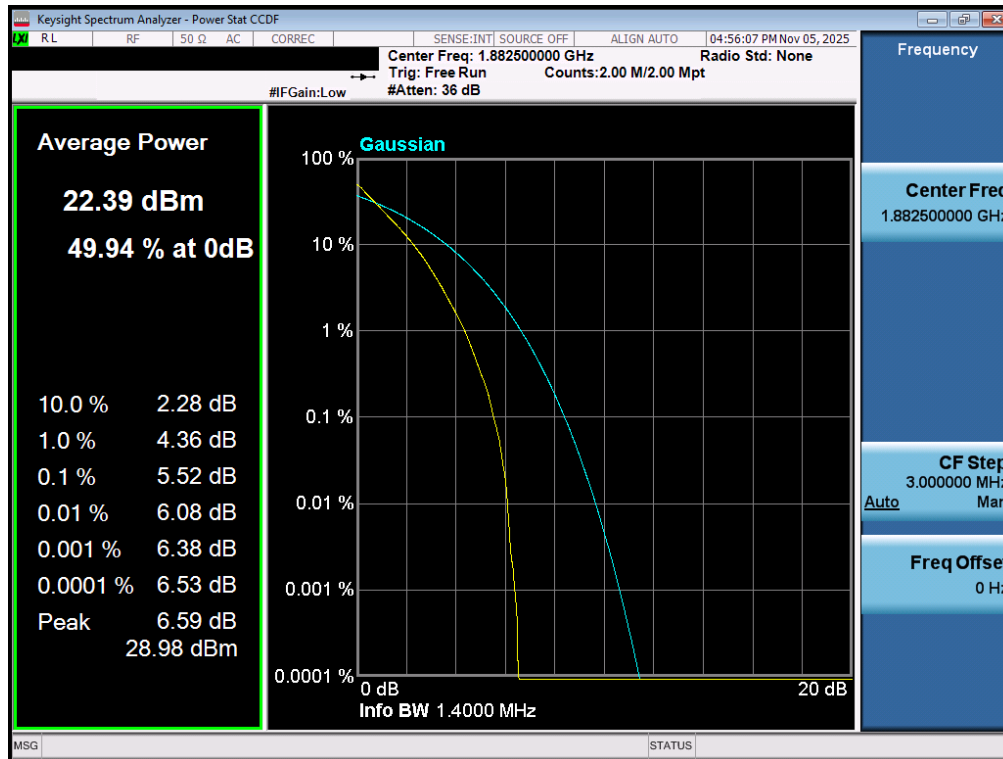


Plot 7-70. PAR Plot (LTE Band 2 - 3MHz QPSK - Full RB - Ant2)

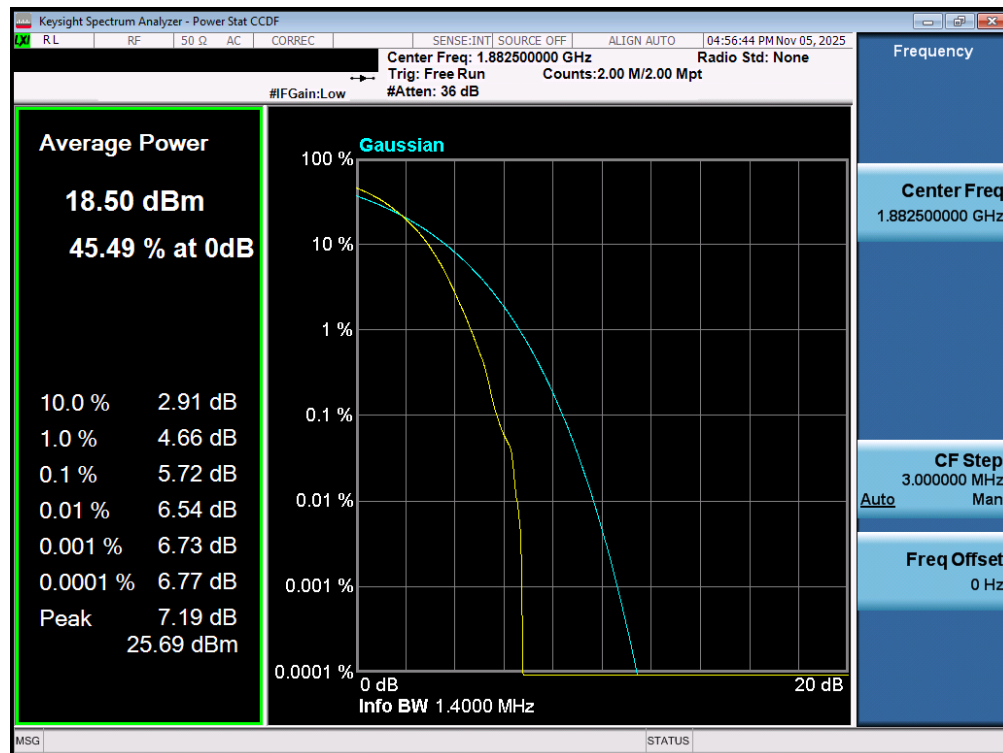


Plot 7-71. PAR Plot (LTE Band 2 - 3MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 65 of 87



Plot 7-72. PAR Plot (LTE Band 2 - 1.4MHz QPSK - Full RB - Ant2)



Plot 7-73. PAR Plot (LTE Band 2 - 1.4MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 66 of 87

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: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 67 of 87

Test Setup

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

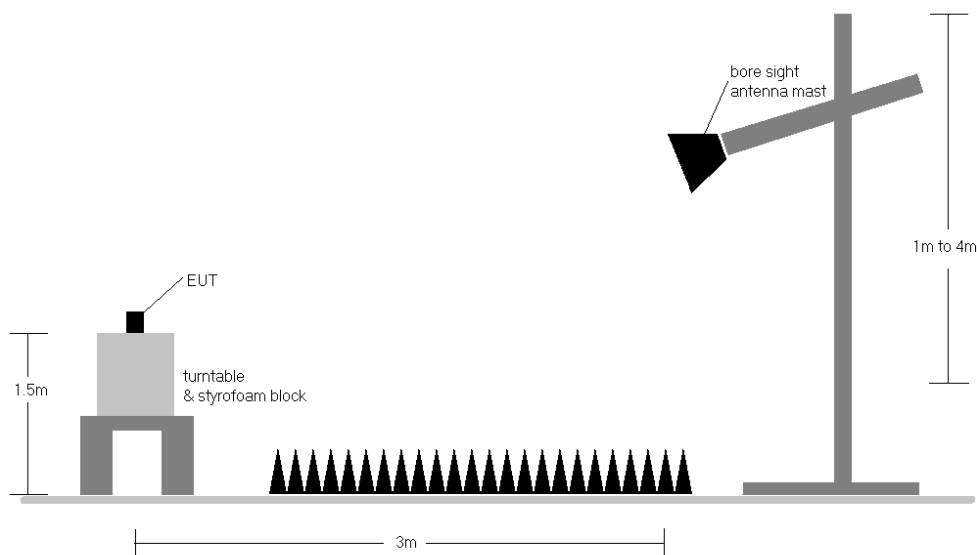


Figure 7-6. Radiated Test Setup >1GHz

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: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 68 of 87

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	V	169	324	2.53	1 / 50	22.00	24.53	0.284	33.01	-8.48
	QPSK	1882.50	V	163	335	2.32	1 / 0	21.97	24.29	0.268	33.01	-8.72
	QPSK	1905.00	V	156	300	2.19	1 / 50	20.76	22.95	0.197	33.01	-10.06
	16-QAM	1860.00	V	169	324	2.53	1 / 50	21.15	23.68	0.233	33.01	-9.33
15 MHz	QPSK	1857.50	V	169	324	2.55	1 / 37	21.99	24.55	0.285	33.01	-8.46
	QPSK	1882.50	V	163	335	2.32	1 / 74	21.97	24.29	0.268	33.01	-8.72
	QPSK	1907.50	V	156	300	2.20	1 / 0	20.80	23.00	0.200	33.01	-10.01
	16-QAM	1857.50	V	169	324	2.55	1 / 37	21.25	23.80	0.240	33.01	-9.21
10 MHz	QPSK	1855.00	V	169	324	2.58	1 / 49	21.90	24.48	0.281	33.01	-8.53
	QPSK	1882.50	V	163	335	2.32	1 / 0	22.00	24.32	0.270	33.01	-8.69
	QPSK	1910.00	V	156	300	2.22	1 / 49	20.72	22.94	0.197	33.01	-10.07
	16-QAM	1855.00	V	169	324	2.58	1 / 49	21.21	23.79	0.239	33.01	-9.22
5 MHz	QPSK	1852.50	V	169	324	2.60	1 / 24	21.82	24.42	0.277	33.01	-8.59
	QPSK	1882.50	V	163	335	2.32	1 / 24	22.11	24.43	0.277	33.01	-8.58
	QPSK	1912.50	V	156	300	2.24	1 / 0	20.75	22.99	0.199	33.01	-10.03
	16-QAM	1852.50	V	169	324	2.60	1 / 0	21.39	23.99	0.251	33.01	-9.02
3 MHz	QPSK	1851.50	V	169	324	2.61	1 / 7	21.84	24.45	0.279	33.01	-8.56
	QPSK	1882.50	V	163	335	2.32	1 / 7	22.19	24.51	0.282	33.01	-8.50
	QPSK	1913.50	V	156	300	2.25	1 / 14	20.72	22.97	0.198	33.01	-10.04
	16-QAM	1851.50	V	169	324	2.61	1 / 0	21.22	23.83	0.242	33.01	-9.18
1.4 MHz	QPSK	1850.70	V	169	324	2.62	1 / 5	21.80	24.42	0.277	33.01	-8.59
	QPSK	1882.50	V	163	335	2.32	1 / 3	22.03	24.34	0.272	33.01	-8.67
	QPSK	1914.30	V	156	300	2.25	1 / 3	20.63	22.88	0.194	33.01	-10.13
	16-QAM	1882.50	V	163	335	2.32	1 / 5	21.34	23.66	0.232	33.01	-9.36
20 MHz	Opposite Pol.	1860.00	H	117	188	2.53	1 / 99	20.58	23.11	0.205	33.01	-9.90

Table 7-11. EIRP Data (LTE Band 2 – Ant1)

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	GPRS1900	V	172	336	26.58	2.62	29.20	0.833	33.01	-3.81
1880.00	GPRS1900	V	159	334	26.79	2.34	29.13	0.818	33.01	-3.88
1909.80	GPRS1900	V	172	336	24.96	2.22	27.18	0.522	33.01	-5.83
1850.20	GPRS1900	H	172	113	25.62	2.62	28.24	0.668	33.01	-4.77
1850.20	EDGE1900	V	172	336	22.67	2.62	25.29	0.338	33.01	-7.72

Table 7-12. EIRP Data (GPRS PCS – Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset			Page 69 of 87	

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	162	297	2.79	1 / 0	17.49	20.28	0.107	33.01	-12.73
	QPSK	1882.50	H	162	299	2.65	1 / 99	17.99	20.64	0.116	33.01	-12.37
	QPSK	1905.00	H	162	297	2.54	1 / 0	18.01	20.55	0.114	33.01	-12.46
	16-QAM	1882.50	H	162	299	2.65	1 / 99	17.21	19.86	0.097	33.01	-13.15
15 MHz	QPSK	1857.50	H	162	297	2.81	1 / 37	17.62	20.43	0.110	33.01	-12.58
	QPSK	1882.50	H	162	299	2.65	1 / 37	18.15	20.80	0.120	33.01	-12.21
	QPSK	1907.50	H	162	297	2.54	1 / 0	17.81	20.35	0.108	33.01	-12.66
	16-QAM	1907.50	H	162	297	2.54	1 / 0	17.39	19.93	0.098	33.01	-13.08
10 MHz	QPSK	1855.00	H	162	297	2.82	1 / 49	17.46	20.28	0.107	33.01	-12.73
	QPSK	1882.50	H	162	299	2.65	1 / 49	18.10	20.75	0.119	33.01	-12.26
	QPSK	1910.00	H	162	297	2.55	1 / 49	17.69	20.24	0.106	33.01	-12.77
	16-QAM	1910.00	H	162	297	2.55	1 / 49	17.43	19.97	0.099	33.01	-13.04
5 MHz	QPSK	1852.50	H	162	297	2.84	1 / 24	17.53	20.37	0.109	33.01	-12.64
	QPSK	1882.50	H	162	299	2.65	1 / 0	18.17	20.82	0.121	33.01	-12.19
	QPSK	1912.50	H	162	297	2.55	1 / 0	17.78	20.32	0.108	33.01	-12.69
	16-QAM	1882.50	H	162	299	2.65	1 / 12	17.42	20.07	0.102	33.01	-12.94
3 MHz	QPSK	1851.50	H	162	297	2.85	1 / 7	17.54	20.38	0.109	33.01	-12.63
	QPSK	1882.50	H	162	299	2.65	1 / 7	18.03	20.68	0.117	33.01	-12.33
	QPSK	1913.50	H	162	297	2.55	1 / 14	17.66	20.21	0.105	33.01	-12.80
	16-QAM	1882.50	H	162	299	2.65	1 / 0	17.36	20.01	0.100	33.01	-13.00
1.4 MHz	QPSK	1850.70	H	162	297	2.85	1 / 5	17.32	20.17	0.104	33.01	-12.84
	QPSK	1882.50	H	162	299	2.65	1 / 0	18.15	20.80	0.120	33.01	-12.21
	QPSK	1914.30	H	162	297	2.55	1 / 5	17.75	20.30	0.107	33.01	-12.71
	16-QAM	1914.30	H	162	297	2.55	1 / 3	17.25	19.80	0.096	33.01	-13.21
20 MHz	Opposite Pol.	1882.50	V	143	294	2.32	1 / 0	18.16	20.48	0.112	33.01	-12.53

Table 7-13. EIRP Data (LTE Band 2 – Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 70 of 87

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: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 71 of 87

Test Setup

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

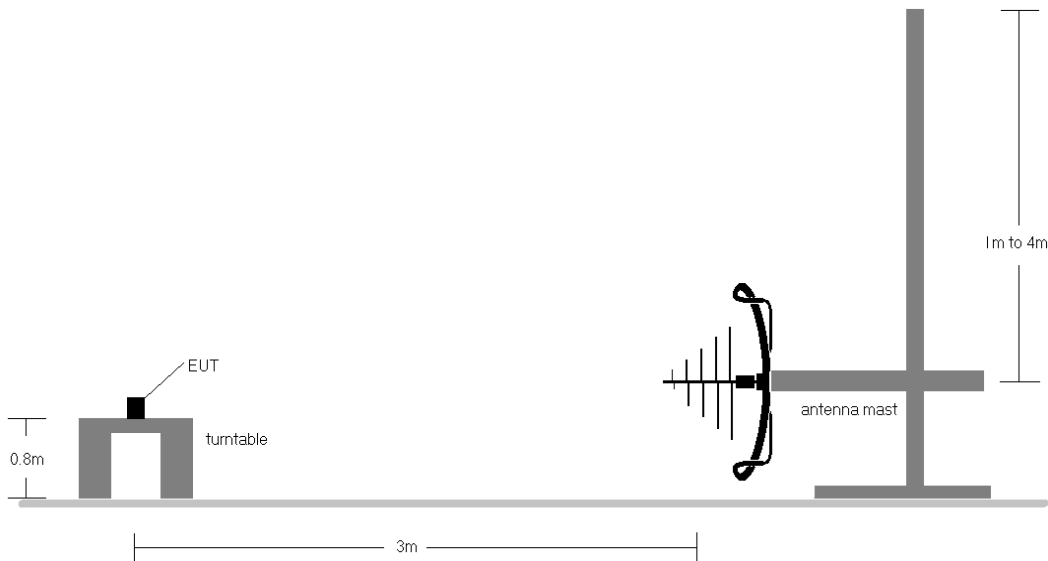


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

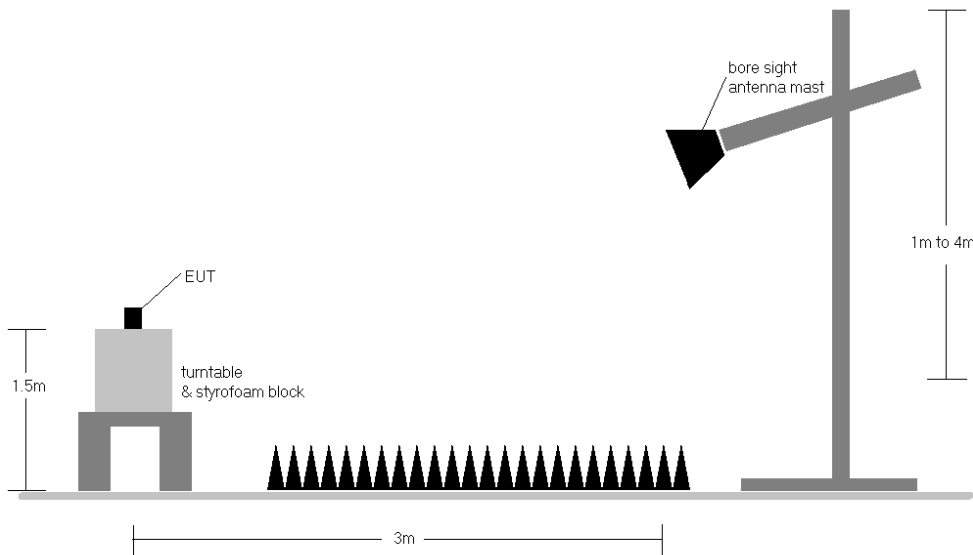


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

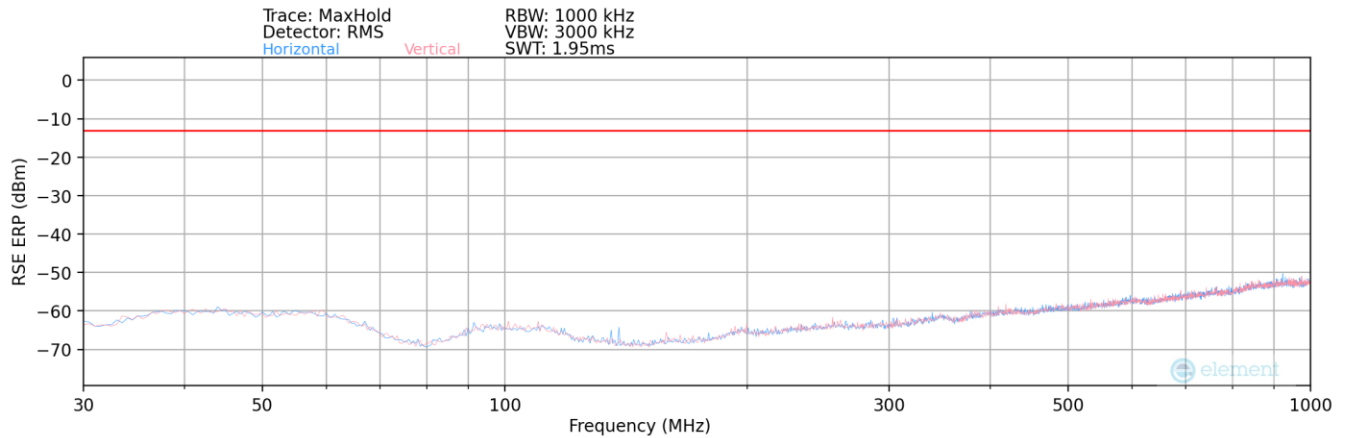
FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 72 of 87

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: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 73 of 87

GSM/GPRS PCS – Ant1

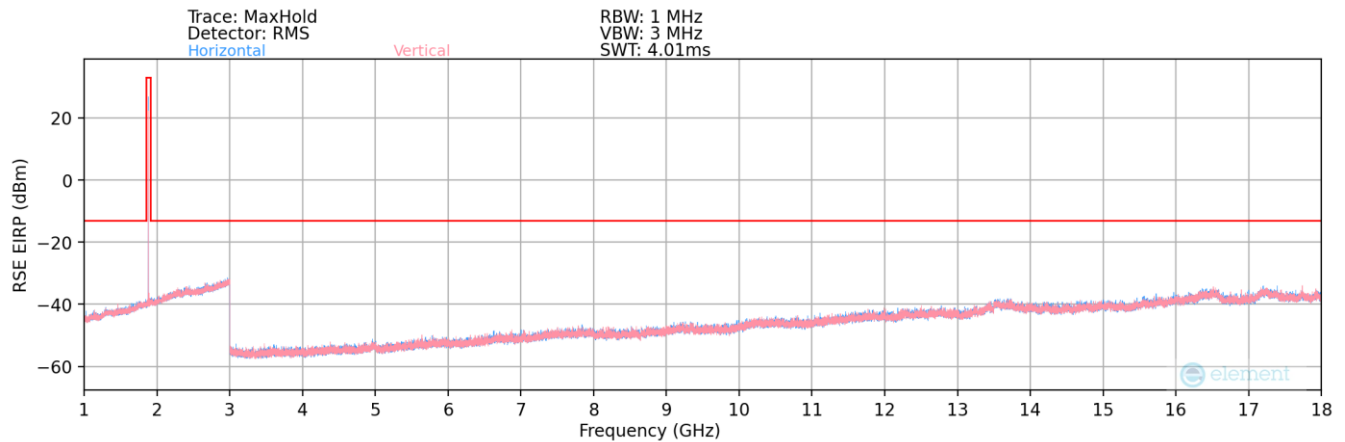


Plot 7-74. Radiated Spurious Plot – Below 1GHz (GPRS PCS - Ant1)

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]
135.00	H	-	-	-70.92	-16.75	19.33	-78.08	-13.00	-65.08

Table 7-14. Radiated Spurious Data (GPRS PCS – Mid Channel - Ant1)



Plot 7-75. Radiated Spurious Plot – Above 1GHz (GPRS PCS - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 74 of 87

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	-	-	-70.07	7.66	44.59	-50.67	-13.00	-37.67
5550.60	H	234	346	-68.84	11.43	49.59	-45.67	-13.00	-32.67
7400.80	H	-	-	-72.05	14.96	49.91	-45.35	-13.00	-32.35
9251.00	H	-	-	-73.58	17.52	50.94	-44.32	-13.00	-31.32
11101.20	H	-	-	-74.92	21.00	53.08	-42.17	-13.00	-29.17

Table 7-15. Radiated Spurious Data (GPRS PCS – Low Channel - Ant1)

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	-	-	-70.38	7.88	44.50	-50.76	-13.00	-37.76
5640.00	H	224	350	-68.58	11.47	49.89	-45.36	-13.00	-32.36
7520.00	H	-	-	-72.86	15.55	49.69	-45.57	-13.00	-32.57
9400.00	H	-	-	-73.98	17.77	50.79	-44.46	-13.00	-31.46
11280.00	H	-	-	-74.23	21.15	53.92	-41.34	-13.00	-28.34

Table 7-16. Radiated Spurious Data (GPRS PCS – Mid Channel - Ant1)

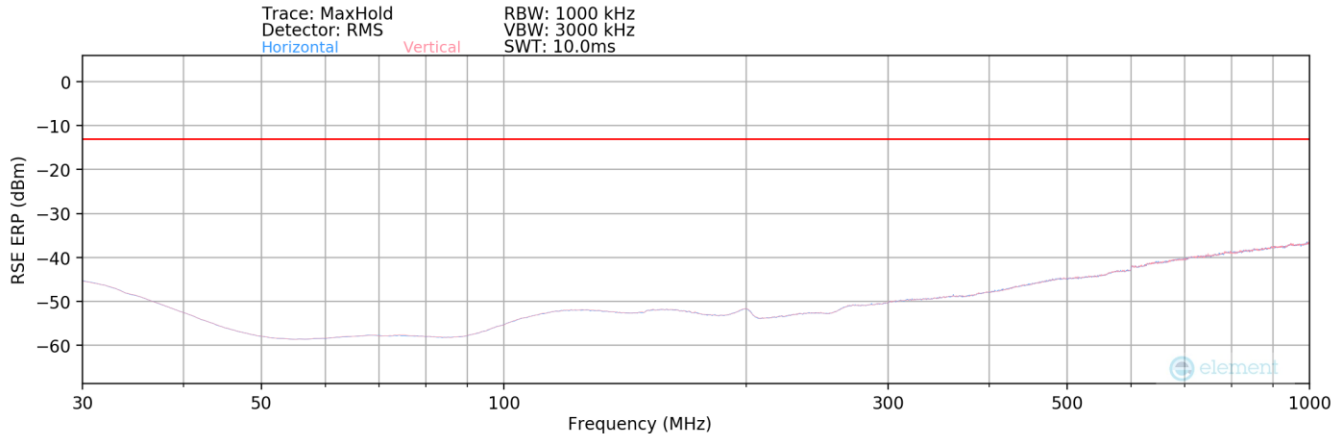
Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

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	-	-	-70.73	7.90	44.17	-51.09	-13.00	-38.09
5729.40	H	229	344	-70.67	11.62	47.95	-47.30	-13.00	-34.30
7639.20	H	-	-	-72.67	15.73	50.06	-45.20	-13.00	-32.20
9549.00	H	-	-	-74.44	18.37	50.93	-44.33	-13.00	-31.33
11458.80	H	-	-	-74.16	21.10	53.94	-41.32	-13.00	-28.32

Table 7-17. Radiated Spurious Data (GPRS PCS – High Channel - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 2 – Ant1

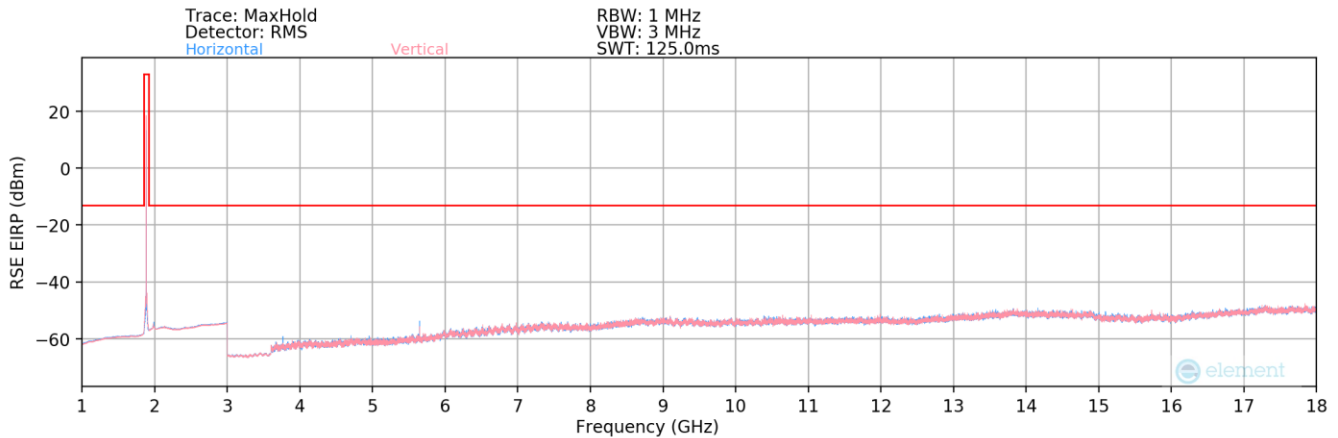


Plot 7-76. Radiated Spurious Plot – Below 1GHz(LTE Band 2 - Ant1)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
200.00	H	-	-	-85.61	20.10	41.49	-55.91	-13.00	-42.91

Table 7-18. Radiated Spurious Data (LTE Band 2 – Mid Channel - Ant1)



Plot 7-77. Radiated Spurious Plot – Above 1GHz (LTE Band 2 - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 76 of 87

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	H	131	236	-69.63	1.10	38.47	-56.78	-13.00	-43.78
5580.00	H	326	309	-70.73	4.26	40.53	-54.73	-13.00	-41.73
7440.00	H	-	-	-79.34	9.31	36.97	-58.29	-13.00	-45.29
9300.00	H	-	-	-79.75	11.83	39.08	-56.18	-13.00	-43.18
11160.00	H	-	-	-80.61	12.44	38.83	-56.42	-13.00	-43.42

Table 7-19. Radiated Spurious Data (LTE Band 2 – Low Channel - Ant1)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
3765.00	H	397	239	-75.77	0.99	32.22	-63.04	-13.00	-50.04
5647.50	H	337	327	-67.83	4.53	43.70	-51.56	-13.00	-38.56
7530.00	H	-	-	-79.23	9.56	37.33	-57.92	-13.00	-44.92
9412.50	H	-	-	-80.64	12.18	38.54	-56.71	-13.00	-43.71
11295.00	H	-	-	-80.73	12.85	39.12	-56.14	-13.00	-43.14

Table 7-20. Radiated Spurious Data (LTE Band 2 – Mid Channel - Ant1)

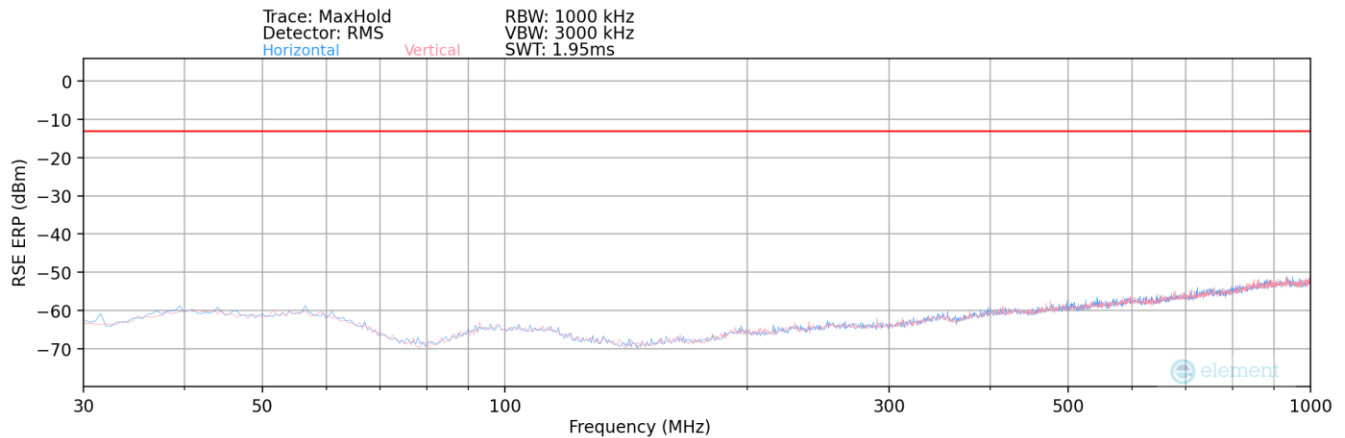
Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 50

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]
3810.00	H	314	305	-70.52	0.96	37.44	-57.82	-13.00	-44.82
5715.00	H	211	346	-70.96	4.47	40.51	-54.75	-13.00	-41.75
7620.00	H	-	-	-79.71	9.58	36.87	-58.38	-13.00	-45.38
9525.00	H	-	-	-80.83	11.91	38.08	-57.18	-13.00	-44.18
11430.00	H	-	-	-80.95	13.06	39.11	-56.14	-13.00	-43.14

Table 7-21. Radiated Spurious Data (LTE Band 2 – High Channel - Ant1)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 2 – Ant2

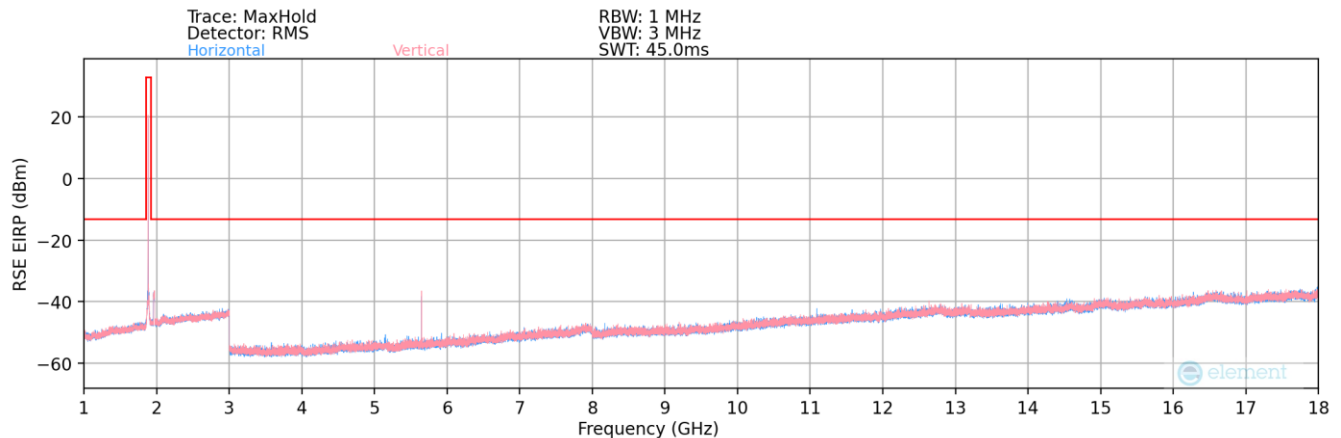


Plot 7-78. Radiated Spurious Plot – Below 1GHz(LTE Band 2 - Ant2)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
550.00	H	-	-	-76.20	-5.69	25.11	-72.30	-13.00	-59.30

Table 7-22. Radiated Spurious Data (LTE Band 2 – Mid Channel - Ant2)



Plot 7-79. Radiated Spurious Plot – Above 1GHz (LTE Band 2 - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 78 of 87

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	H	112	258	-75.18	5.46	37.28	-57.98	-13.00	-44.98
5580.00	H	108	261	-62.92	8.50	52.58	-42.68	-13.00	-29.68
7440.00	H	-	-	-80.60	12.70	39.10	-56.15	-13.00	-43.15
9300.00	H	-	-	-80.55	14.62	41.07	-54.19	-13.00	-41.19
11160.00	H	-	-	-81.37	17.75	43.38	-51.88	-13.00	-38.88

Table 7-23. Radiated Spurious Data (LTE Band 2 – Low Channel - Ant2)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
3765.00	H	146	301	-76.71	5.68	35.97	-59.29	-13.00	-46.29
5647.50	H	120	259	-63.23	8.29	52.06	-43.20	-13.00	-30.20
7530.00	H	-	-	-80.85	13.00	39.15	-56.11	-13.00	-43.11
9412.50	H	-	-	-79.63	15.53	42.90	-52.35	-13.00	-39.35
11295.00	H	-	-	-81.20	18.25	44.05	-51.21	-13.00	-38.21

Table 7-24. Radiated Spurious Data (LTE Band 2 – Mid Channel - Ant2)

Bandwidth (MHz):	20
Frequency (MHz):	1905
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]
3810.00	H	152	237	-78.20	5.87	34.67	-60.59	-13.00	-47.59
5715.00	H	118	273	-66.67	8.47	48.80	-46.45	-13.00	-33.45
7620.00	H	-	-	-80.12	12.67	39.55	-55.71	-13.00	-42.71
9525.00	H	108	8	-75.59	14.64	46.05	-49.21	-13.00	-36.21
11430.00	H	-	-	-81.37	18.17	43.80	-51.46	-13.00	-38.46
13335.00	H	-	-	-81.11	20.63	46.52	-48.74	-13.00	-35.74
15240.00	H	-	-	-81.84	22.53	47.69	-47.57	-13.00	-34.57

Table 7-25. Radiated Spurious Data (LTE Band 2 – High Channel - Ant2)

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		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

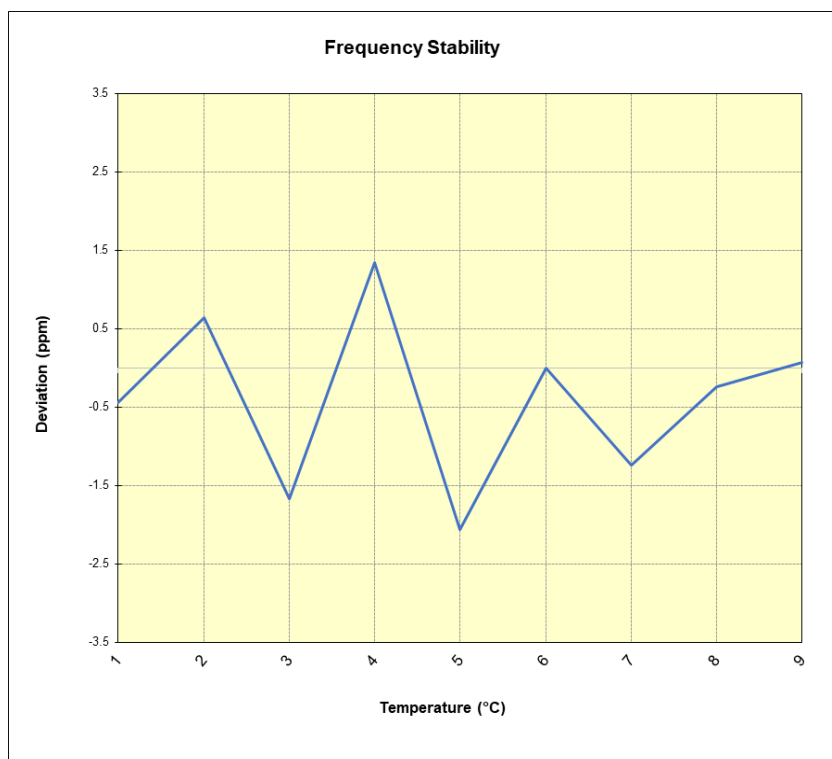
None

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 25/2

LTE Band 2					
		Operating Frequency (Hz):		1,882,500,000	
		Ref. Voltage (VDC):		4.446	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.446	- 30	1,882,594,674	-829	-0.0000440
		- 20	1,882,596,710	1,207	0.0000641
		- 10	1,882,592,350	-3,153	-0.0001675
		0	1,882,598,028	2,525	0.0001341
		+ 10	1,882,591,628	-3,875	-0.0002058
		+ 20 (Ref)	1,882,595,503	0	0.0000000
		+ 30	1,882,593,176	-2,327	-0.0001236
		+ 40	1,882,595,044	-459	-0.0000244
		+ 50	1,882,595,622	119	0.0000063
Battery Endpoint	3.648	+ 20	1,882,597,446	1,943	0.0001032

Table 7-26. LTE Band 2 Frequency Stability Data



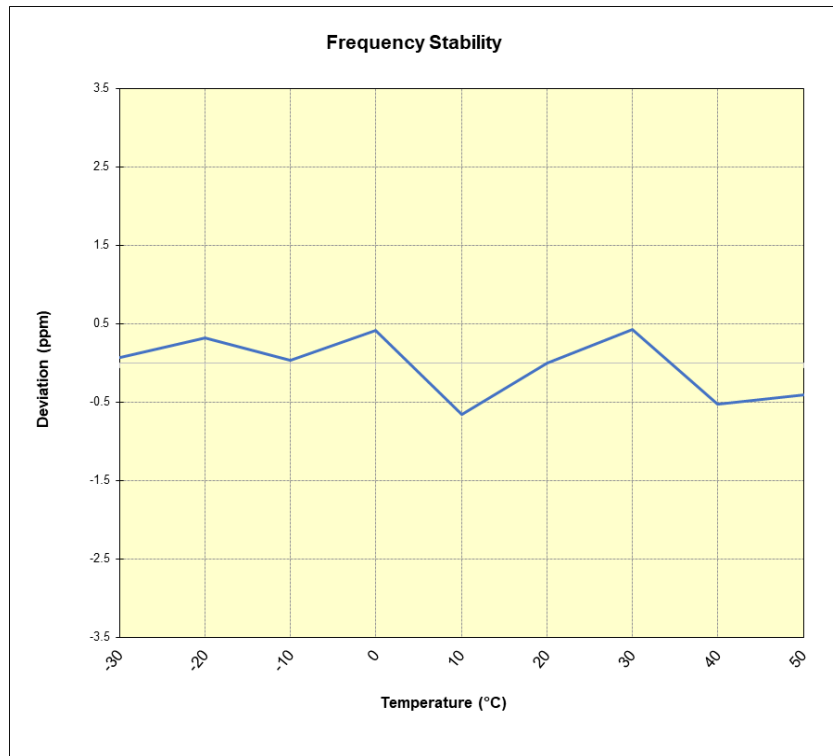
Plot 7-80. LTE Band 2 Frequency Stability Chart

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS

GSM/GPRS PCS					
		Operating Frequency (Hz):		1,880,000,000	
		Ref. Voltage (VDC):		4.446	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.446	- 30	1,880,000,644	122	0.0000065
		- 20	1,880,001,118	596	0.0000317
		- 10	1,880,000,594	72	0.0000038
		0	1,880,001,306	784	0.0000417
		+ 10	1,879,999,276	-1,246	-0.0000663
		+ 20 (Ref)	1,880,000,522	0	0.0000000
		+ 30	1,880,001,324	802	0.0000427
		+ 40	1,879,999,538	-984	-0.0000523
		+ 50	1,879,999,750	-772	-0.0000411
Battery Endpoint	3.648	+ 20	1,879,999,685	-837	-0.0000445

Table 7-27. GSM/GPRS PCS Frequency Stability Data



Plot 7-81. GSM/GPRS PCS Frequency Stability Chart

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		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: A3LSMA576JPN** complies with all the requirements of Part 24 of the FCC rules. **FCC ID: A3LSMA576U** (Model: SM-A576U1) included in this report have been reviewed and are deemed acceptable to support the compliance of **FCC ID: A3LSMA576JPN**

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 83 of 87

9.0 APPENDIX A – DATA REFERENCING RESULTS

Overview

The spot-check data presented in this section was measured on the variant model following the guidance of the FCC's Data Referencing guidance in KDB 484596 D01 v03. Each spot-check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device. For the worst-case RSE data, the measurement is determined by an actual emission and not by noise floor.

All test cases were performed to verify the variant EUT is still in compliance with the spot-checked results to the reference device and was performed using the guidance of ANSI C63.26-2015.

Notes

- Each spot check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device.

Conducted Spot-Checks – SC-54G

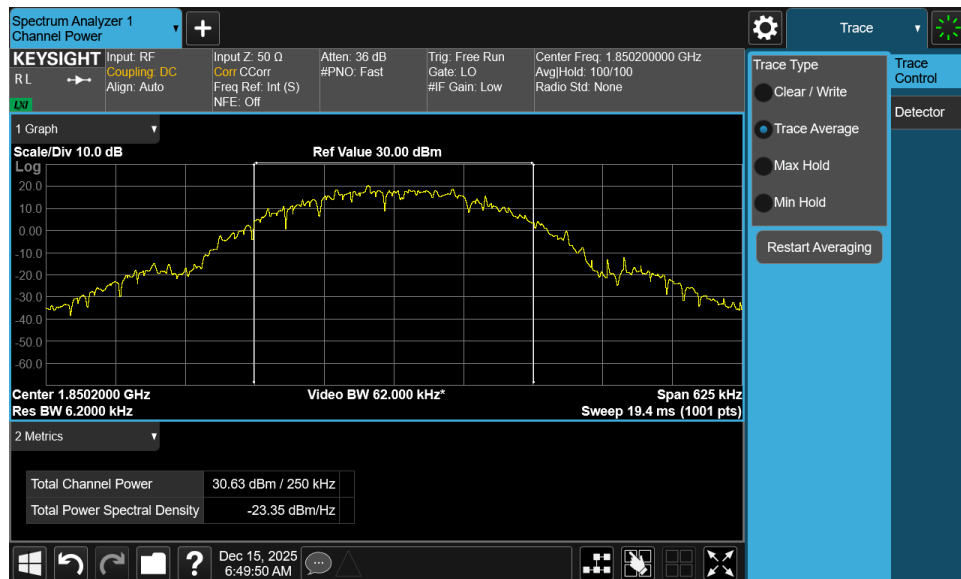
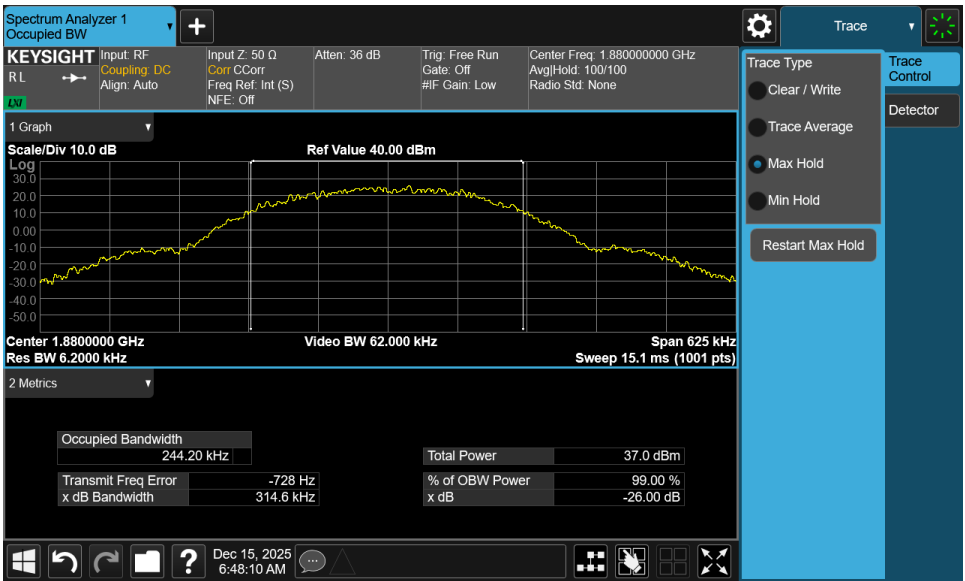


Table 9-1. Conducted Output Power Measurements (Spot-check) – GPRS1900

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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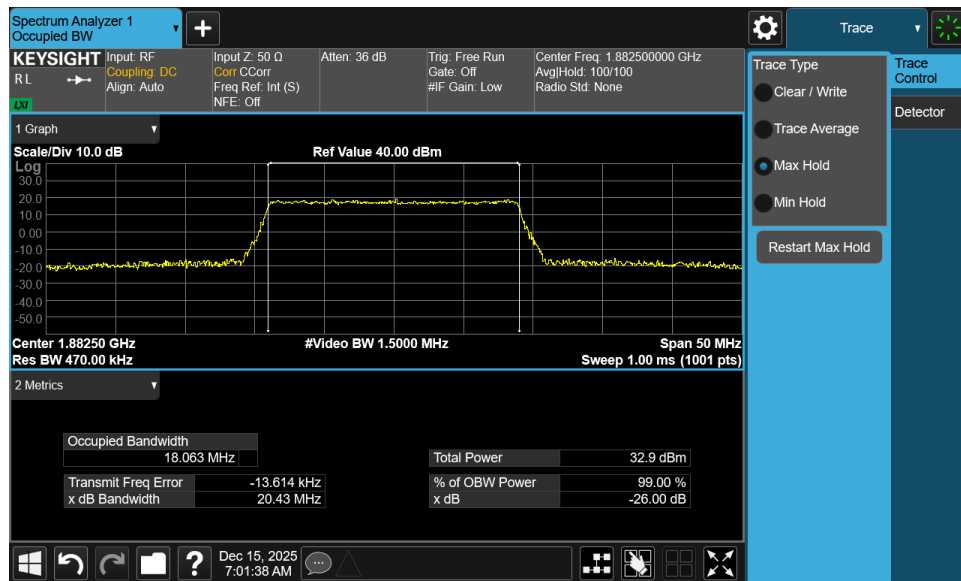


Plot 9-1. Occupied Bandwidth (Spot-check) - GPRS1900



Table 9-2. Conducted Output Power Measurements (Spot-check) – LTE B2

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-06-R1.A3L	Test Dates: 11/3/2025 - 12/15/2025	EUT Type: Portable Handset	Page 85 of 87



Plot 9-2. Occupied Bandwidth (Spot-check) – LTE B2

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Radiated Spot-Checks – SC-54G

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	V	208	223	26.02	2.62	28.64	0.732	33.01	-4.37

Table 9-3. EIRP Measurements (Spot-check) – GPRS1900

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]
5640.00	H	178	123	-62.63	8.23	52.60	-42.66	-13.00	-29.66

Table 9-4. Radiated Spurious Measurements (Spot-check) – GPRS1900

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	V	129	334	2.53	1 / 0	19.99	22.52	0.179	33.01	-10.49

Table 9-5. EIRP Measurements (Spot-check) – LTE B2

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]
5580.00	H	108	303	-61.35	8.50	54.15	-41.11	-13.00	-28.11

Table 9-6. Radiated Spurious Measurements (Spot-check) – LTE B2

Results

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-A576U1	Variant Model: SC-54G	Deviation (dB)	Max Deviation (dB)	Pass/Fail
24	Conducted Output Power	Low Ch. 512, Ant A	dBm	N/A	30.13	30.63	0.50	1	PASS
	Occupied Bandwidth	Mid Ch. 661, Ant A	kHz	N/A	244.71	244.20	-0.51	N/A	PASS
	EIRP	Low Ch. 512, Ant A	dBm	33.01	29.20	28.64	-0.56	3	PASS
	RSE	Mid Ch. 661, 5640MHz, Ant A	dBm	-13	-45.36	-42.66	2.70	3	PASS

Table 9-7. Summary of Spot-checks – GPRS1900

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-A576U1	Variant Model: SC-54G	Deviation (dB)	Max Deviation (dB)	Pass/Fail
24	Conducted Output Power	Low Ch. 26140, 20MHz, QPSK, Ant A	dBm	N/A	23.75	24.32	0.57	1	PASS
	Occupied Bandwidth	Mid Ch. 26365, 20MHz, QPSK, Ant A	MHz	N/A	18.07	18.06	-0.01	N/A	PASS
	EIRP	Low Ch. 26140, 20MHz, QPSK, Ant A	dBm	33.01	24.53	22.52	-2.01	3	PASS
	RSE	Low Ch. 26140, 20MHz, QPSK, 5580MHz, Ant F	dBm	-13	-42.68	-41.11	1.57	3	PASS

Table 9-8. Summary of Spot-checks – LTE B2

- END OF TEST REPORT -

FCC ID: A3LSMA576JPN	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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