

**PART 22 MEASUREMENT REPORT**

**Applicant Name:**  
 Centum Research & Technology S.L  
 Fonte das Abelleiras S/N  
 Edificio Citexvi  
 36310 Vigo (Spain)

**Date of Testing:**  
 01/06/2023 – 02/03/2023  
**Test Report Issue Date:**  
 02/23/2023  
**Test Site/Location:**  
 Element Lab. Columbia, MD, USA  
**Test Report Serial No.:**  
 1M2212270143-01.2A93U

<b>FCC ID:</b>	<b>2A93U-55041-402</b>
<b>Applicant Name:</b>	<b>Centum Research &amp; Technology S.L</b>

**Application Type:** Certification  
**Model:** Lifeseeker Mini S10  
**EUT Type:** Geolocation System  
**FCC Classification:** PCS Licensed Transmitter (PCB)  
**FCC Rule Part:** 22H  
**Test Procedure(s):** ANSI/TIA-603-E-2016


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.

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



<b>FCC ID:</b> 2A93U-55041-402	 <b>PART 22 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2212270143-01.2A93U	<b>Test Dates:</b> 01/06/2023- 02/03/2023	<b>EUT Type:</b> Geolocation System
		Page 1 of 31


## TABLE OF CONTENTS

1.0	INTRODUCTION .....	4
1.1	Scope .....	4
1.2	Element Test Location.....	4
1.3	Test Facility / Accreditations.....	4
2.0	PRODUCT INFORMATION.....	5
2.1	Equipment Description .....	5
2.2	Device Capabilities.....	5
2.3	Test Configuration .....	5
2.4	EMI Suppression Device(s)/Modifications .....	6
3.0	DESCRIPTION OF TESTS .....	7
3.1	Evaluation Procedure .....	7
3.2	Cellular – Base Frequency Blocks.....	7
3.3	Cellular – Mobile Frequency Blocks .....	7
4.0	MEASUREMENT UNCERTAINTY .....	8
5.0	TEST EQUIPMENT CALIBRATION DATA .....	9
6.0	SAMPLE CALCULATIONS .....	10
7.0	TEST RESULTS .....	11
7.1	Summary.....	11
7.2	Transmitter Conducted Output Power/ Effective Radiated Power .....	12
7.3	Occupied Bandwidth .....	15
7.4	Spurious and Harmonic Emissions at Antenna Terminal .....	17
7.5	Band Edge Emissions at Antenna Terminal .....	23
7.6	Radiated Spurious Emissions Measurements.....	25
7.7	Frequency Stability / Temperature Variation .....	29
8.0	CONCLUSION.....	31

<b>FCC ID:</b> 2A93U-55041-402	 <b>PART 22 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2212270143-01.2A93U	<b>Test Dates:</b> 01/06/2023- 02/03/2023	<b>EUT Type:</b> Geolocation System
		Page 2 of 31

## PART 22 MEASUREMENT REPORT

Mode	Bandwidth	Tx Frequency Range [MHz]	Conducted Power		Emission Designator
			Max. Power [W]	Max. Power [dBm]	
LTE Band 26	5 MHz	871.5 - 891.5	0.153	21.84	4M97G7D

<b>FCC ID:</b> 2A93U-55041-402		<b>PART 22 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2212270143-01.2A93U	<b>Test Dates:</b> 01/06/2023- 02/03/2023	<b>EUT Type:</b> Geolocation System	Page 3 of 31

V2 03/15/2021

## 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

These measurement tests were conducted at the Element Laboratory located at 7185 Oakland Mills Road, Columbia, MD 21046. The measurement facility is 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.

- 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 (2451B) test laboratory with the site description on file with ISED.
- 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 Agreement.

FCC ID: 2A93U-55041-402		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System	Page 4 of 31

V2 03/15/2021

## 2.0 PRODUCT INFORMATION

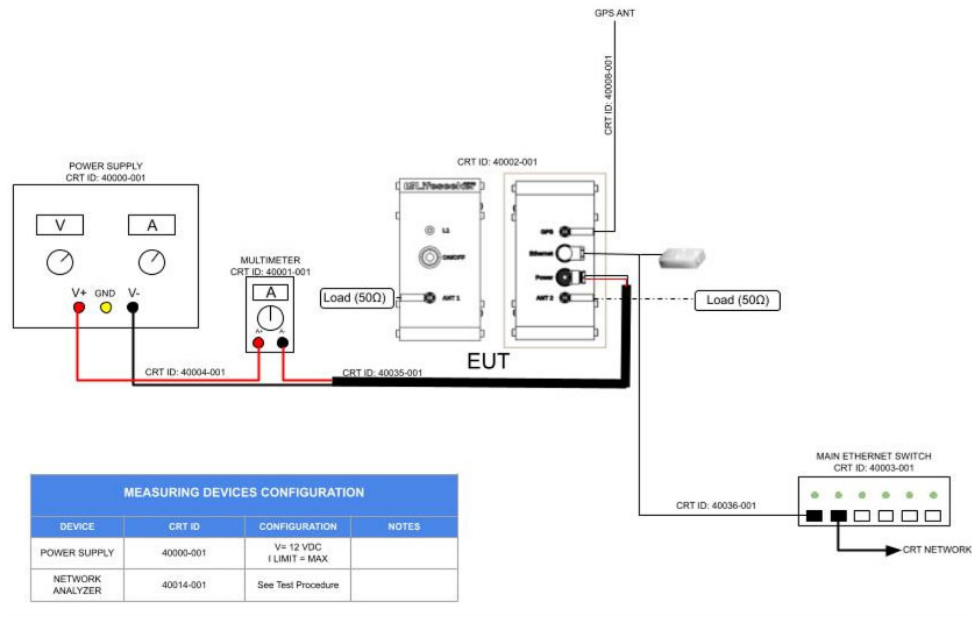
### 2.1 Equipment Description

The Equipment Under Test (EUT) is the **Centum Geolocation System FCC ID: 2A93U-55041-402**. The test data contained in this report pertains only to the emissions due to the EUT's LTE Band 26 operation under the provisions of Part 22. The EUT generates LTE B26 signal. The EUT can transmit two different LTE band signals at the same time with its multiple antenna port. EUT was set up to operate as shown below with a 12 VDC power source with current limitation of 10A. Server equipment was used to control the RF functions of the EUT.

The EUT supports two output antennas and is capable of transmitting simultaneously on both antennas though not on the same band.

This device may be used in a land or air based vehicle. While operating in the air, per FCC §22.925, this device will not transmit on Band 26.

**Test Device Serial No.:** 213025



### 2.2 Device Capabilities

This device contains the following capabilities:

LTE Bands 2, 12, 13, 26, and 66 (with 5MHz operation only)

### 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.

Per ANSI C63.26 Section 5.2.5.3, full testing was performed on a single port due to the fact that both antenna ports are driven by identical hardware and output power settings.

FCC ID: 2A93U-55041-402	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System
		Page 5 of 31




## 2.4 Software and Firmware

The test was conducted with software/firmware version 3.7.11 v2.8.4 installed on the EUT

## 2.5 EMI Suppression Device(s)/Modifications

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

<b>FCC ID:</b> 2A93U-55041-402	 <b>PART 22 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2212270143-01.2A93U	<b>Test Dates:</b> 01/06/2023- 02/03/2023	<b>EUT Type:</b> Geolocation System
		Page 6 of 31

V2 03/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

## 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

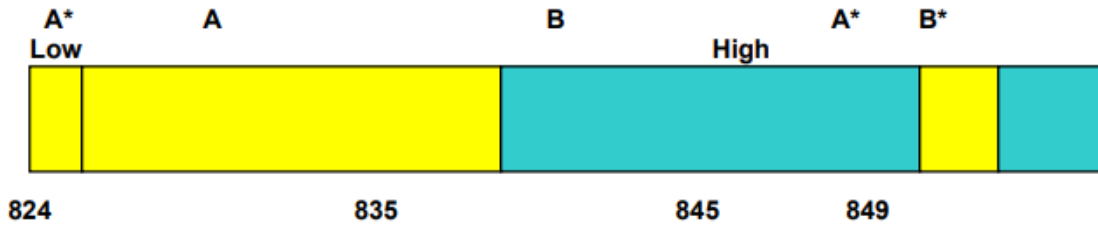
### 3.2 Cellular – Base Frequency Blocks



**BLOCK 1:** 869 – 880 MHz (A\* Low + A)  
**BLOCK 2:** 880 – 890 MHz (B)


**BLOCK 3:** 890 – 891.5 MHz (A\* High)  
**BLOCK 4:** 891.5 – 894 MHz (B\*)

### 3.3 Cellular – Mobile Frequency Blocks



**BLOCK 1:** 824 – 835 MHz (A\* Low + A)  
**BLOCK 2:** 835 – 845 MHz (B)


**BLOCK 3:** 845 – 846.5 MHz (A\* High)  
**BLOCK 4:** 846.5 – 849 MHz (B\*)

FCC ID: 2A93U-55041-402	 <b>PART 22 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System	Page 7 of 31

## 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  $U_{\text{CISPR}}$  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

FCC ID: 2A93U-55041-402	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System
		Page 8 of 31

V2 03/15/2021



## 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
-	ETS	EMC Cable and Switch System	8/11/2022	Annual	8/11/2023	ETS
-	WL25-3	Licensed Transmitter Cable Set	8/15/2022	Annual	8/15/2023	WL25-3
Emco	3115	Horn Antenna (1-18GHz)	8/8/2022	Biennial	8/8/2024	9704-5182
Espec	ESX-2CA	Environmental Chamber	5/25/2022	Biennial	5/25/2024	17620
Keysight Technologies	N9020A	MXA Signal Analyzer	3/15/2022	Annual	3/15/2023	MY54500644
Keysight Technologies	N9030A	PXA Signal Analyzer (44GHz)	8/18/2022	Annual	8/18/2023	MY54490576
Rohde & Schwarz	ESU40	EMI Test Receiver (40GHz)	8/25/2022	Annual	8/25/2023	100348

**Table 5-1. Test Equipment**

**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.

FCC ID: 2A93U-55041-402		<b>PART 22 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2212270143-01.2A93U	<b>Test Dates:</b> 01/06/2023- 02/03/2023	<b>EUT Type:</b> Geolocation System	Page 9 of 31

## 6.0 SAMPLE CALCULATIONS

### QPSK Modulation

#### Emission Designator = 8M62G7D

LTE BW = 8.62 MHz

G = Phase Modulation


7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

### Spurious Radiated Emission

#### Example: Spurious emission at 3700.40 MHz

The receive spectrum analyzer reading at 3 meters with the EUT on the turntable was  $-81.0$  dBm. The gain of the substituted antenna is  $8.1$  dBi. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of  $-81.0$  dBm on the spectrum analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is  $2.0$  dB at  $3700.40$  MHz. So  $6.1$  dB is added to the signal generator reading of  $-30.9$  dBm yielding  $-24.80$  dBm. The fundamental EIRP was  $25.50$  dBm so this harmonic was  $25.50$  dBm  $- (-24.80) = 50.3$  dBc.

FCC ID: 2A93U-55041-402		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System	Page 10 of 31

V2 03/15/2021

## 7.0 TEST RESULTS

### 7.1 Summary


Company Name: Centum  
 FCC ID: 2A93U-55041-402  
 FCC Classification: PCS Licensed Transmitter (PCB)  
 Mode(s): LTE

Test Condition	Test Description	FCC Part Section(s)	Test Limit	Test Result	Reference
<b>CONDUCTED</b>	Transmitter Conducted Output Power	2.1046(a), 2.1046(c)	N/A	<b>PASS</b>	Section 7.2
	Effective Radiated Power	22.913(a)(5)	< 7 Watts max. ERP	<b>PASS</b>	Section 7.2
	Occupied Bandwidth	2.1049	N/A	<b>PASS</b>	Section 7.3
	Conducted Band Edge / Spurious Emissions	2.1051, 22.917(a)	$\geq 43 + 10 \log (P[\text{Watts}])$ dB of attenuation below transmitter power	<b>PASS</b>	Sections 7.4, 7.5
	Frequency Stability	2.1055, 22.355	The carrier frequency of the transmitter must be maintained within the 2.5ppm	<b>PASS</b>	Section 7.8
<b>RADIATED</b>	Radiated Spurious Emissions	2.1053, 22.917(a)	$> 43 + 10 \log_{10} (P[\text{Watts}])$ for all out-of-band emissions	<b>PASS</b>	Section 7.7

**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 "Chamber Automation," Version 1.3.1.

FCC ID: 2A93U-55041-402		<b>PART 22 MEASUREMENT REPORT</b>	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System	Page 11 of 31

## 7.2 Transmitter Conducted Output Power/ Effective Radiated Power

### 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

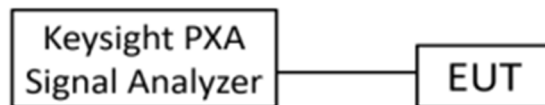
ANSI C63.26-2015 - Section 5.2.4.4.1

### Test Settings

1. Power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. Span = 2 - 3 times the OBW
3. RBW = 1 – 5% of the expected OBW
4. VBW  $\geq$  3 x RBW
5. No. of sweep points > 2 x span / RBW
6. Sweep time = auto-couple
7. Detector = RMS
8. Trigger is set to "free run" for signals with continuous operation.
9. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
10. Trace mode = trace averaging (RMS) over 100 sweeps
11. The trace was allowed to stabilize.

### 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

The applicant has declared the usage of a 0.82dBi antenna for frequency around 830MHz with this system and hence the ERP is calculated accordingly.

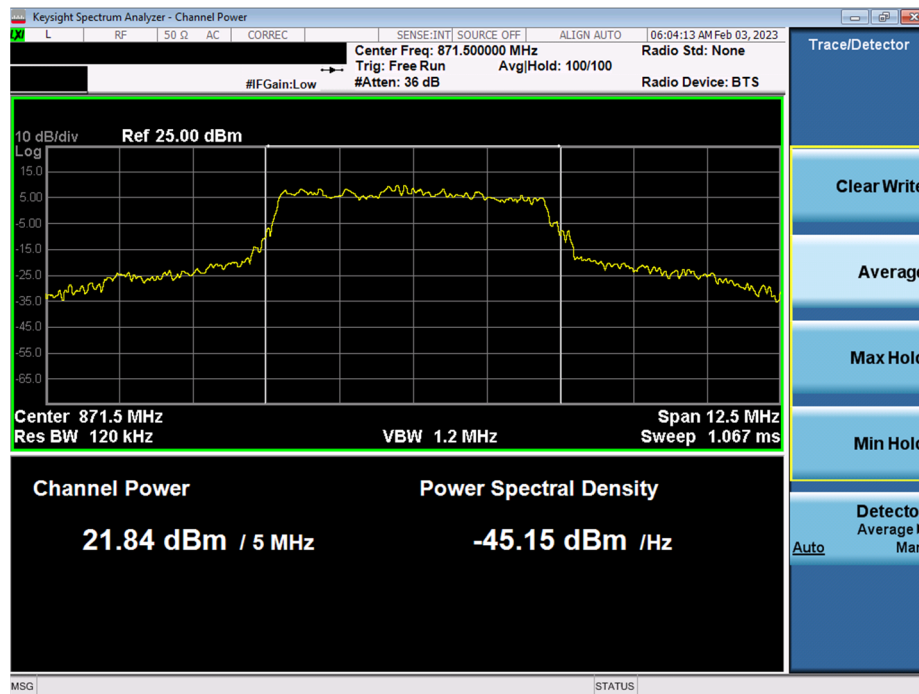
FCC ID: 2A93U-55041-402	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System
		Page 12 of 31

V2 03/15/2021

## LTE Band 26

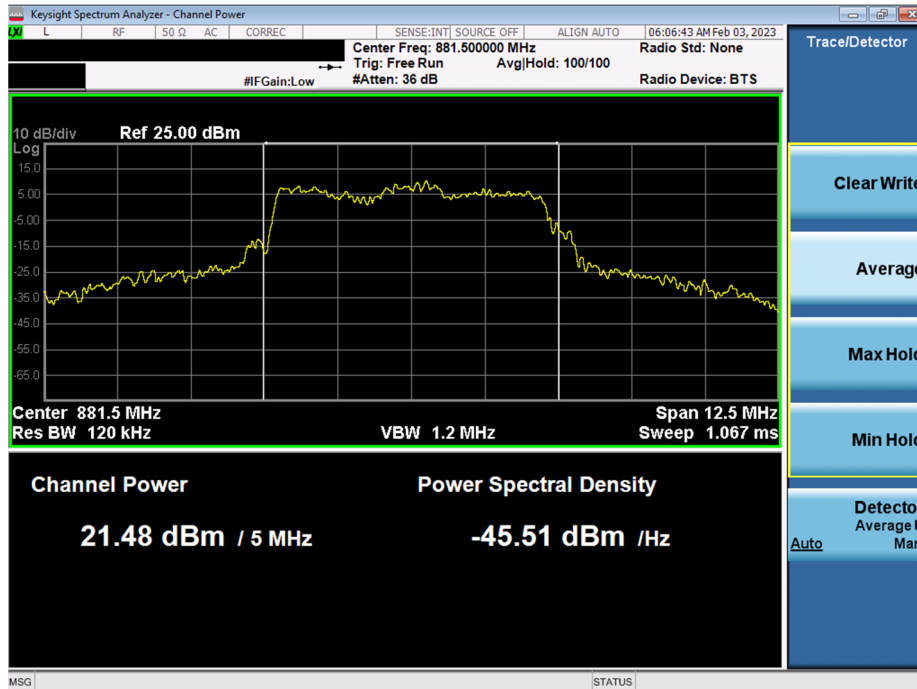
Bandwidth	Channel	Frequency [MHz]	Conducted Power [dBm]	Ant Gain [dBi]	EIRP [dBm]	EIRP [Watts]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	8815	871.5	21.84	0.82	22.66	0.185	20.51	0.112	38.45	-17.94
	8915	881.5	21.48	0.82	22.30	0.170	20.15	0.104	38.45	-18.30
	9015	891.5	20.81	0.82	21.63	0.146	19.48	0.089	38.45	-18.97

Table 7-2. Transmitter Conducted Output Power/ Effective Radiated Power (LTE Band 26)

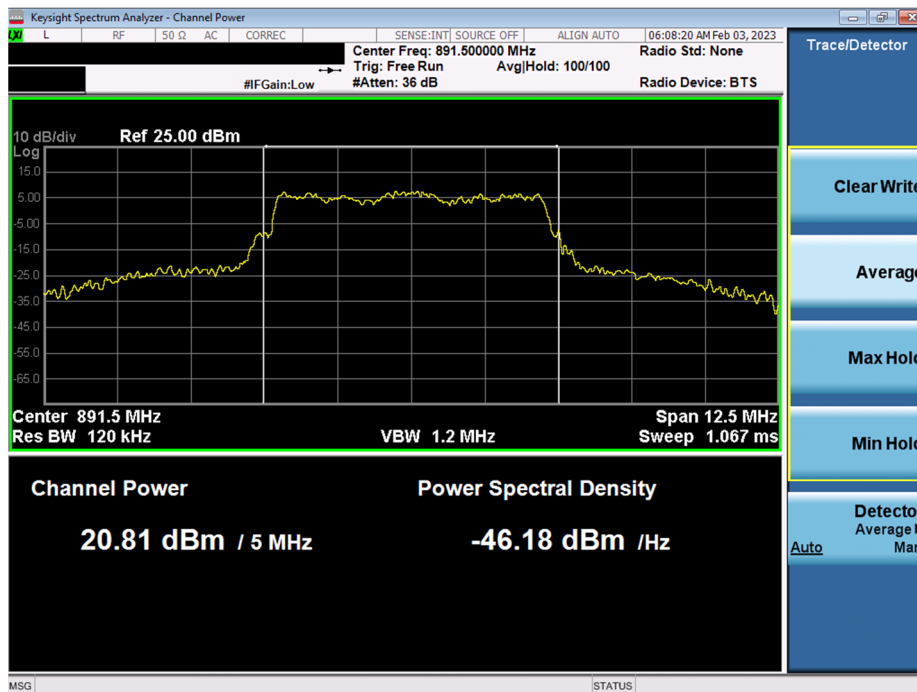


Plot 7-1. Transmitter Conducted Output Power Plot (LTE Band 26 - 5MHz QPSK - Full RB- Low)

FCC ID: 2A93U-55041-402	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System
		Page 13 of 31



Plot 7-2. Transmitter Conducted Output Power Plot (LTE Band 26 - 5MHz QPSK - Full RB- Mid)



Plot 7-3. Transmitter Conducted Output Power Plot (LTE Band 26 - 5MHz QPSK - Full RB- High)

FCC ID: 2A93U-55041-402	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System
		Page 14 of 31

### 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 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

#### Test Setup

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

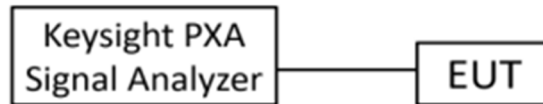



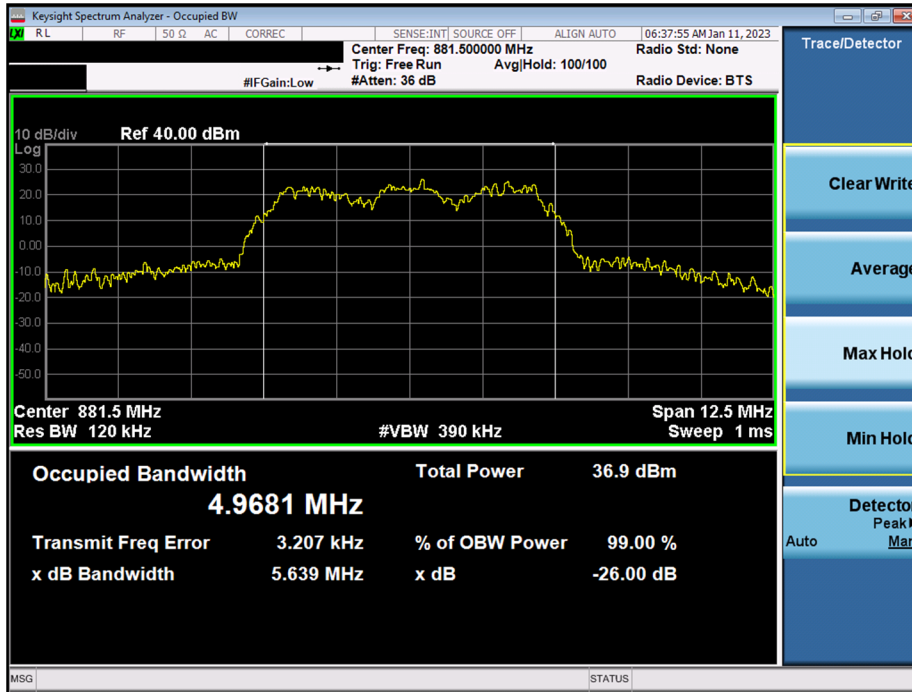
Figure 7-2. Test Instrument & Measurement Setup

#### Test Notes

None.

FCC ID: 2A93U-55041-402		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System	Page 15 of 31

# LTE Band 26



Plot 7-4. Occupied Bandwidth Plot (LTE Band 26 - 5MHz QPSK - Full RB)

FCC ID: 2A93U-55041-402	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System
		Page 16 of 31



## 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 10<sup>th</sup> harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

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

### Test Procedure Used

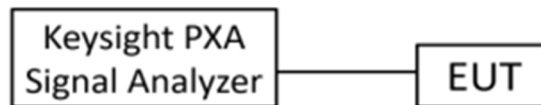
ANSI C63.26-2015 – Section 5.7.4

### Test Settings

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

### Test Setup


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



**Figure 7-3. Test Instrument & Measurement Setup**

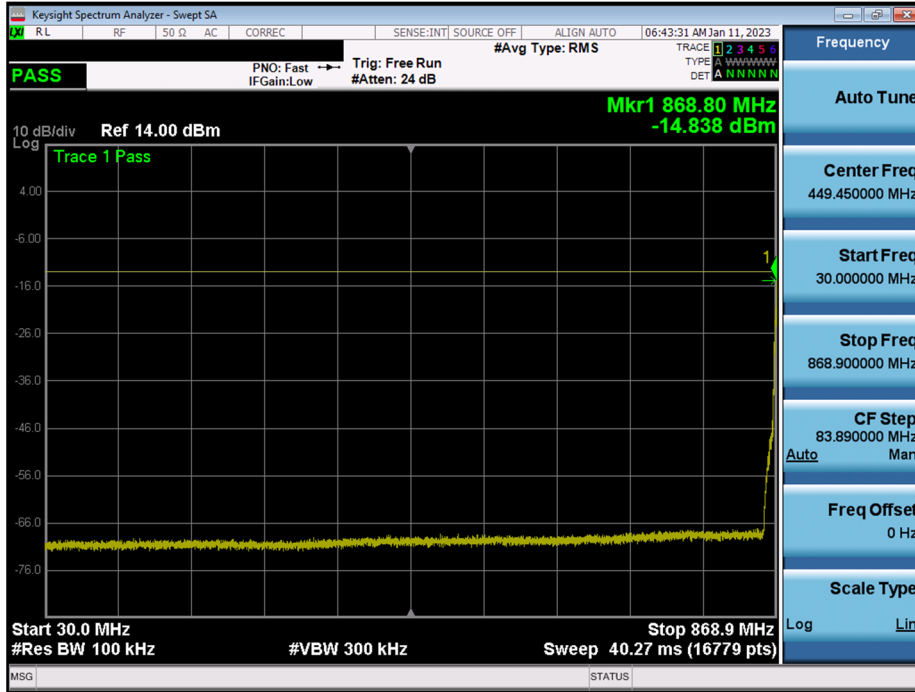
### Test Notes

Per Part 22, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

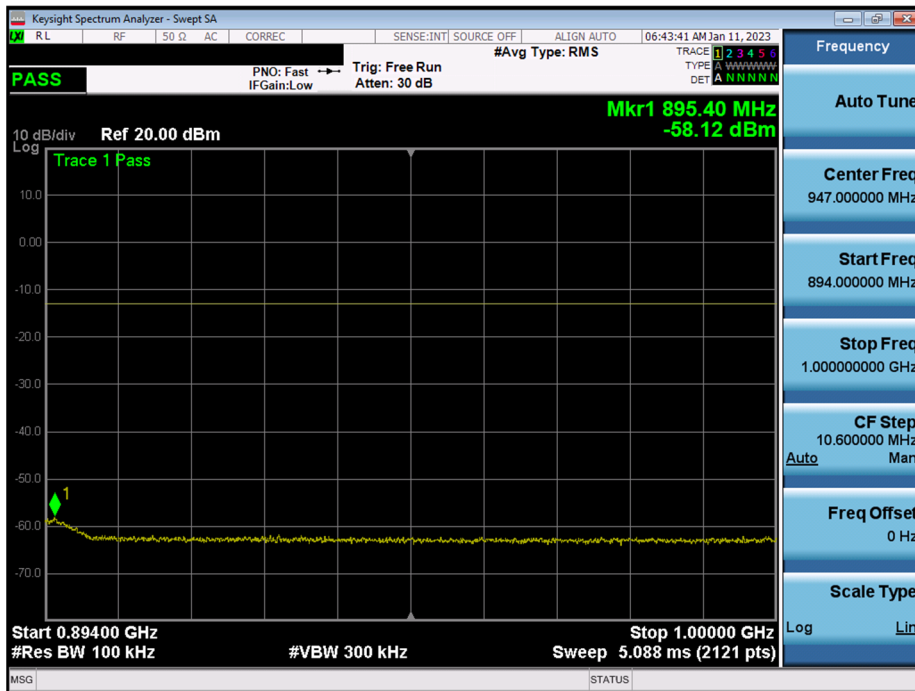
FCC ID: 2A93U-55041-402		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System	Page 17 of 31

V2 03/15/2021

## LTE Band 26

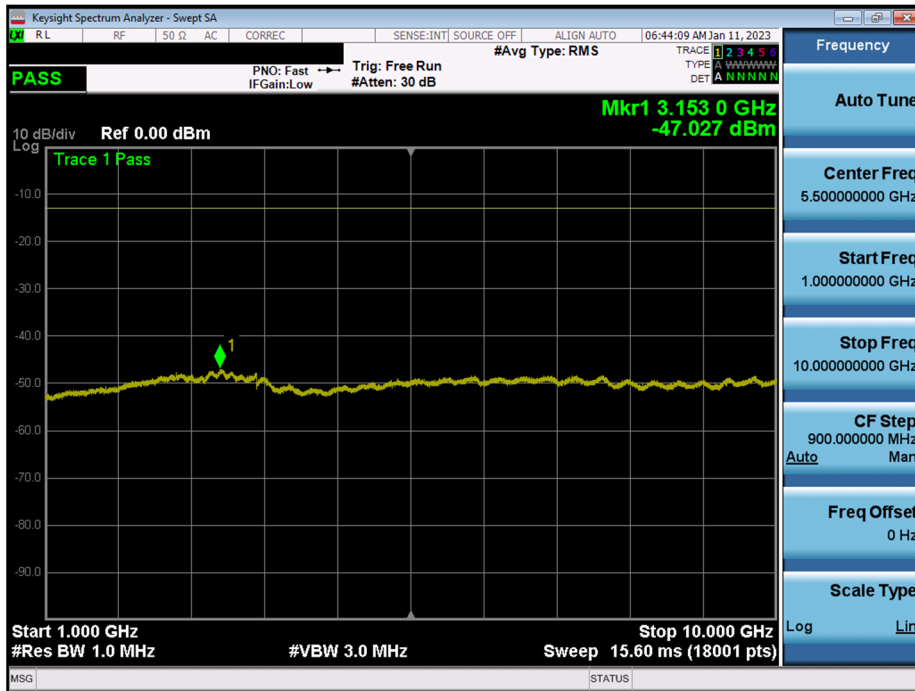


Plot 7-5. Conducted Spurious Plot (LTE Band 26 - 5MHz QPSK – Full RB - Low Channel)



Plot 7-6. Conducted Spurious Plot (LTE Band 26 - 5MHz QPSK – Full RB - Low Channel)

FCC ID: 2A93U-55041-402	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System
		Page 18 of 31

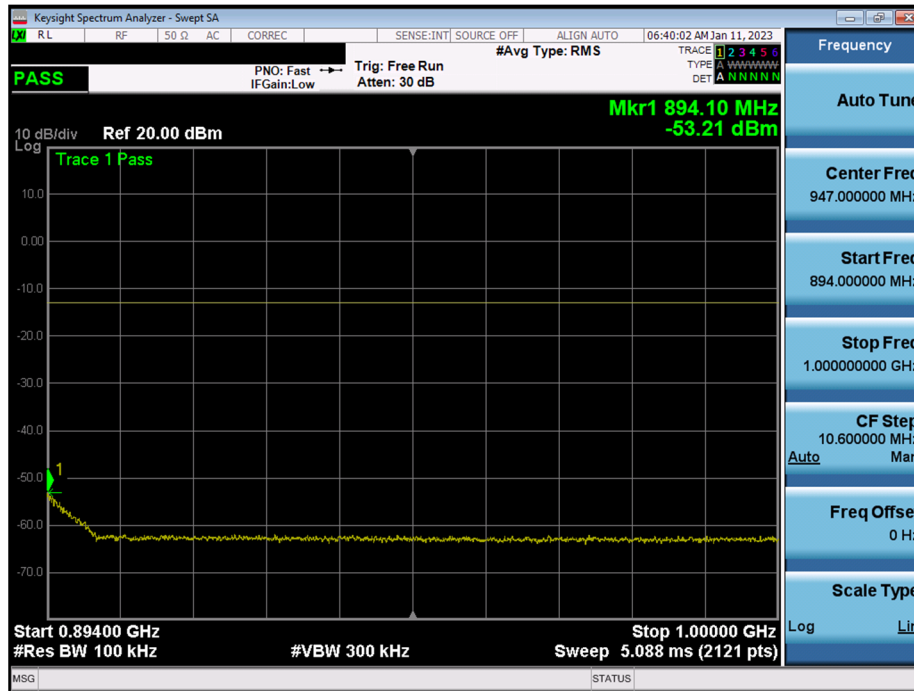


Plot 7-7. Conducted Spurious Plot (LTE Band 26 - 5MHz QPSK – Full RB - Low Channel)

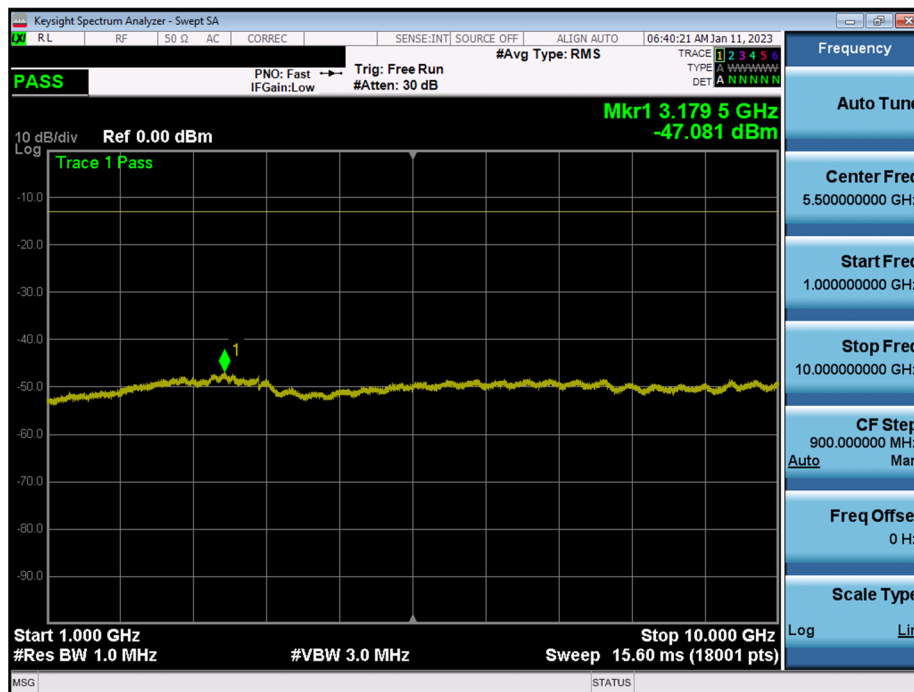


Plot 7-8. Conducted Spurious Plot (LTE Band 26 - 5MHz QPSK – Full RB - Mid Channel)

FCC ID: 2A93U-55041-402	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System
		Page 19 of 31

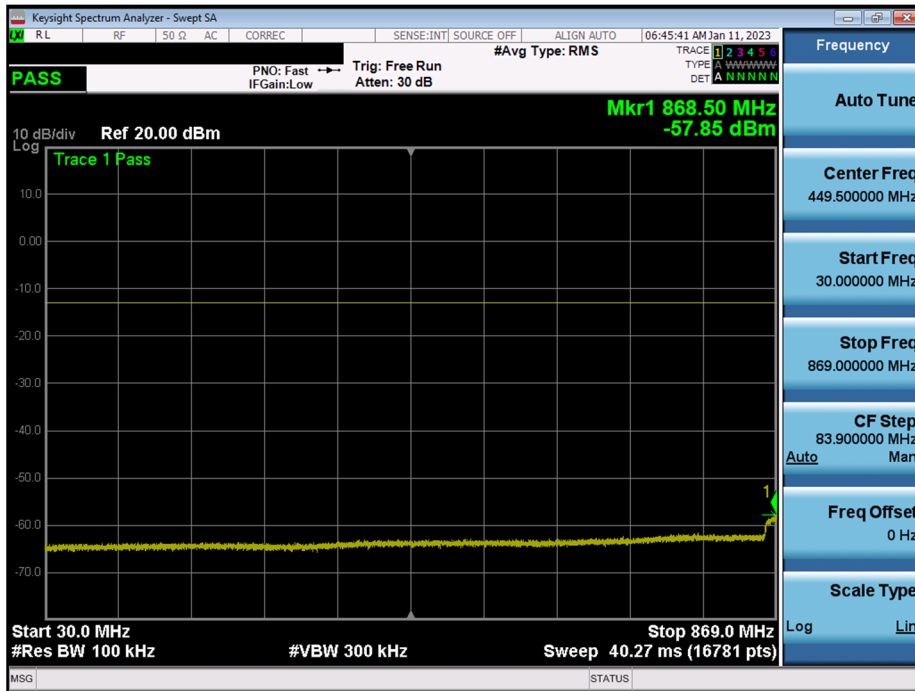


Plot 7-9. Conducted Spurious Plot (LTE Band 26 - 5MHz QPSK – Full RB - Mid Channel)

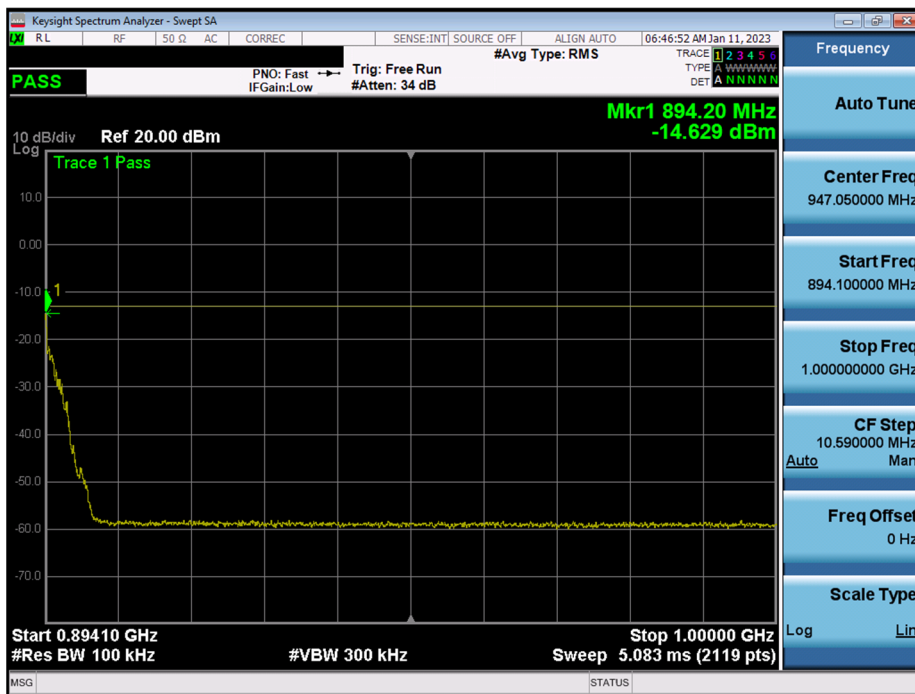


Plot 7-10. Conducted Spurious Plot (LTE Band 26 - 5MHz QPSK – Full RB - Mid Channel)


FCC ID: 2A93U-55041-402	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System
		Page 20 of 31



Plot 7-11. Conducted Spurious Plot (LTE Band 26 - 5MHz QPSK – Full RB - High Channel)



Plot 7-12. Conducted Spurious Plot (LTE Band 26 - 5MHz QPSK – Full RB - High Channel)

FCC ID: 2A93U-55041-402		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2212270143-01.2A93U	Test Dates: 01/06/2023- 02/03/2023	EUT Type: Geolocation System	Page 21 of 31