



**Telit Communications S.p.A.**

**LE910C4-WWX**

**LE910C1-WWX**

**LE910C4-WWXD**

**LE910C1-WWXD**

**FCC 22H:2023, FCC 24E:2023, FCC 27:2023, FCC 90:2023**

**Cellular Radio**

**Report: TELI0004.0 Rev. 4, Issue Date: March 14, 2023**



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# CERTIFICATE OF TEST

Last Date of Test: March 13, 2023

Telit Communications S.p.A.

EUT: LE910C4-WWX, LE910C1-WWX, LE910C4-WWXd, LE910C1-WWXd

## Radio Equipment Testing

### Standards

| Specification                                        | Method                                                |
|------------------------------------------------------|-------------------------------------------------------|
| FCC 22H:2023, FCC 24E:2023, FCC 27:2023, FCC 90:2023 | ANSI C63.26:2015<br>KDB 971168 D01 v03r01 – Section 6 |

### Results

| Test Description                                                      | Result | Specification Section(s)                                  | Method Section(s)   | Comments |
|-----------------------------------------------------------------------|--------|-----------------------------------------------------------|---------------------|----------|
| Conducted Output Power                                                | N/A    | 2.1046                                                    | 5.2.4.2             |          |
| Frequency Stability                                                   | N/A    | 2.1055, 22.355, 24.235, 27.54                             | 5.6                 |          |
| Occupied Bandwidth / Emission Mask                                    | N/A    | 2.1049, 22.917, 24.238, 27.53                             | 5.4                 |          |
| Out of Band Emissions - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)    | Pass   | 2.1053, 22.917                                            | 5.7                 |          |
| Out of Band Emissions - GSM BAND (PCS-1900), WCDMA BAND II (PCS-1900) | Pass   | 2.1053, 24.238                                            | 5.7                 |          |
| Out of Band Emissions - WCDMA BAND IV (AWS-1700)                      | Pass   | 2.1053, 27.53(h)                                          | 5.7                 |          |
| Out of Band Emissions - LTE BAND 4, 12, & 13                          | Pass   | 2.1053, 27.53(h)<br>2.1053, 27.53(g)<br>2.1053, 27.53 (c) | 5.7                 |          |
| Out of Band Emissions - LTE BAND 14                                   | Pass   | 2.1053, 90.210                                            | 5.7                 |          |
| Out of Band Emissions - LTE BAND 25/2                                 | Pass   | 2.1053, 24.238                                            | 5.7                 |          |
| Out of Band Emissions - LTE BAND 26                                   | Pass   | 2.1053, 22.917, 90.210(g,h)                               | 5.7                 |          |
| Out of Band Emissions - LTE BAND 26/5                                 | Pass   |                                                           | 5.7                 |          |
| Out of Band Emissions – LTE BAND 7                                    | Pass   | 2.1053, 27.50(h)                                          | 5.7                 |          |
| Spurious Radiated Emissions                                           | Pass   | 2.1053                                                    | 5.5                 |          |
| ERP of the Fundamental – GSM – BAND (GSM-850), WCDMA BAND V (GSM-850) | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| ERP of the Fundamental – LTE BAND 12 & 13                             | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| ERP of the Fundamental – LTE BAND 26                                  | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| ERP of the Fundamental – LTE BAND 26/5                                | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| ERP of the Fundamental – LTE BAND 14                                  | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| EIRP of the Fundamental – WCDMA BAND IV (AWS-1700)                    | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| EIRP of the Fundamental - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900) | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| EIRP of the Fundamental – LTE BAND 25/2                               | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| EIRP of the Fundamental – LTE BAND 4                                  | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| EIRP of the Fundamental – LTE BAND 7                                  | Pass   | 2.1046, 24.232(b)                                         | 5.2.4.2             |          |
| Powerline Conducted Emissions (LTE)                                   | N/A    | 15.107                                                    | ANSI C63.4 - 12.2.4 |          |
| Receiver Spurious Emissions                                           | N/A    | 15.109                                                    | ANSI C63.4 - 12.2.5 |          |

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

# CERTIFICATE OF TEST



## Deviations From Test Standards

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None

## Approved By:

Johnny Candelas, Operations Manager

*Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.*

# REVISION HISTORY

| Revision Number | Description                                                      | Date<br>(yyyy-mm-dd) | Page Number       |
|-----------------|------------------------------------------------------------------|----------------------|-------------------|
| 00              | None                                                             |                      |                   |
| 01              | Included missing Power setting and Antenna Gain information      | 2023-02-21           | 12                |
|                 | Revised FCC standard date and added missing EUT models           |                      | Throughout report |
|                 | Included missing FCC rules parts                                 |                      | 11                |
|                 | Revised configurations and naming of Spurious Radiated Emissions |                      | 13                |
| 02              | Updated Power Settings and Antennas Information                  | 2023-03-01           | 12                |
| 03              | Updated Power Settings and Antennas Information                  | 2023-03-02           | 12                |
| 04              | Added LTE Band 7 data to report                                  | 2023-03-14           | Throughout report |

# ACCREDITATIONS AND AUTHORIZATIONS



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## United States

**FCC** - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

**A2LA** - Each laboratory is accredited by A2LA to ISO / IEC 17025, and as a product certifier to ISO / IEC 17065 which allows Element to certify transmitters to FCC and IC specifications.

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## Canada

**ISED** - Recognized by Innovation, Science and Economic Development Canada as a Certification Body (CB) and as a CAB for the acceptance of test data.

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## European Union

**European Commission** – Recognized as an EU Notified Body validated for the EMCD and RED Directives.

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## United Kingdom

**BEIS** – Recognized by the UK as an Approved Body under the UK Radio Equipment and UK EMC Regulations.

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## Australia/New Zealand

**ACMA** - Recognized by ACMA as a CAB for the acceptance of test data.

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## Korea

**MSIT / RRA** - Recognized by KCC's RRA as a CAB for the acceptance of test data.

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## Japan

**VCCI** - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

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## Taiwan

**BSMI** – Recognized by BSMI as a CAB for the acceptance of test data.

**NCC** - Recognized by NCC as a CAB for the acceptance of test data.

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## Singapore

**IDA** – Recognized by IDA as a CAB for the acceptance of test data.

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## Israel

**MOC** – Recognized by MOC as a CAB for the acceptance of test data.

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## Hong Kong

**OFCA** – Recognized by OFCA as a CAB for the acceptance of test data.

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## Vietnam

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## SCOPE

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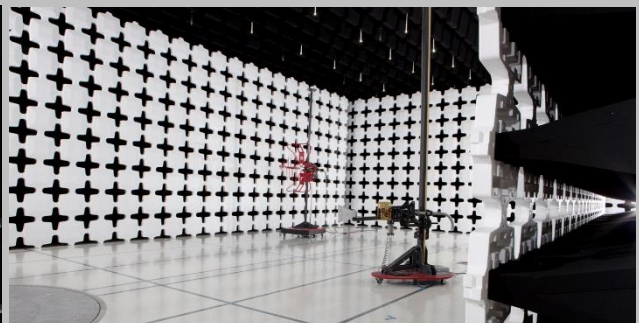
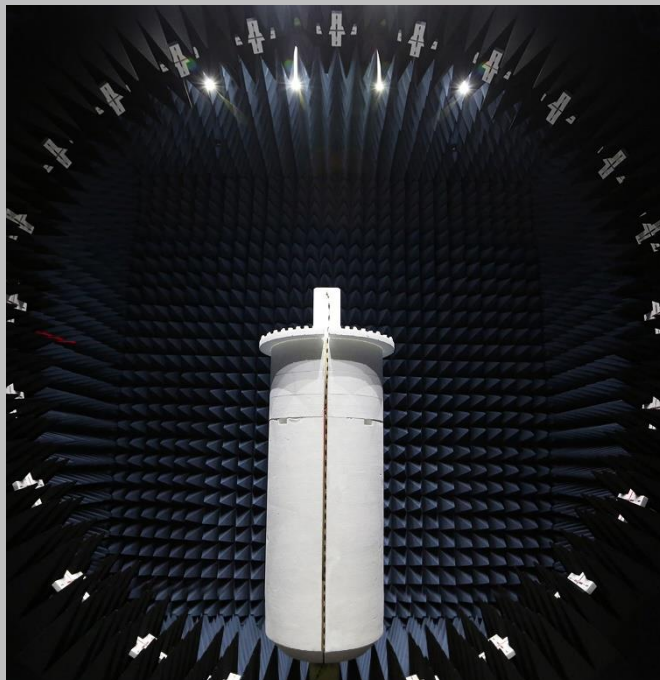
[Washington](#)



# FACILITIES



|                                                                                       |                                                                                                       |                                                                                                       |                                                                                        |                                                                                                           |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>California</b><br>Labs OC01-17<br>41 Tesla<br>Irvine, CA 92618<br>(949) 861-8918   | <b>Minnesota</b><br>Labs MN01-11<br>9349 W Broadway Ave.<br>Brooklyn Park, MN 55445<br>(612)-638-5136 | <b>Oregon</b><br>Labs EV01-12<br>6775 NE Evergreen Pkwy #400<br>Hillsboro, OR 97124<br>(503) 844-4066 | <b>Texas</b><br>Labs TX01-09<br>3801 E Plano Pkwy<br>Plano, TX 75074<br>(469) 304-5255 | <b>Washington</b><br>Labs NC01-05<br>19201 120 <sup>th</sup> Ave NE<br>Bothell, WA 98011<br>(425)984-6600 |
| <b>A2LA</b>                                                                           |                                                                                                       |                                                                                                       |                                                                                        |                                                                                                           |
| Lab Code: 3310.04                                                                     | Lab Code: 3310.05                                                                                     | Lab Code: 3310.02                                                                                     | Lab Code: 3310.03                                                                      | Lab Code: 3310.06                                                                                         |
| <b>Innovation, Science and Economic Development Canada</b>                            |                                                                                                       |                                                                                                       |                                                                                        |                                                                                                           |
| 2834B-1, 2834B-3                                                                      | 2834E-1, 2834E-3                                                                                      | 2834D-1                                                                                               | 2834G-1                                                                                | 2834F-1                                                                                                   |
| <b>BSMI</b>                                                                           |                                                                                                       |                                                                                                       |                                                                                        |                                                                                                           |
| SL2-IN-E-1154R                                                                        | SL2-IN-E-1152R                                                                                        | SL2-IN-E-1017                                                                                         | SL2-IN-E-1158R                                                                         | SL2-IN-E-1153R                                                                                            |
| <b>VCCI</b>                                                                           |                                                                                                       |                                                                                                       |                                                                                        |                                                                                                           |
| A-0029                                                                                | A-0109                                                                                                | A-0108                                                                                                | A-0201                                                                                 | A-0110                                                                                                    |
| <b>Recognized Phase I CAB for ISED, ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA</b> |                                                                                                       |                                                                                                       |                                                                                        |                                                                                                           |
| US0158                                                                                | US0175                                                                                                | US0017                                                                                                | US0191                                                                                 | US0157                                                                                                    |



# MEASUREMENT UNCERTAINTY



## Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation has been performed for each test per our internal quality document QM205.4.6. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) can be found in the table below. A lab specific value may also be found in the applicable test description section. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable), and are available upon request.

The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

| Test                                  | + MU    | - MU     |
|---------------------------------------|---------|----------|
| Frequency Accuracy                    | 0.0007% | -0.0007% |
| Amplitude Accuracy (dB)               | 1.2 dB  | -1.2 dB  |
| Conducted Power (dB)                  | 1.2 dB  | -1.2 dB  |
| Radiated Power via Substitution (dB)  | 0.7 dB  | -0.7 dB  |
| Temperature (degrees C)               | 0.7°C   | -0.7°C   |
| Humidity (% RH)                       | 2.5% RH | -2.5% RH |
| Voltage (AC)                          | 1.0%    | -1.0%    |
| Voltage (DC)                          | 0.7%    | -0.7%    |
| Field Strength (dB)                   | 5.1 dB  | -5.1 dB  |
| AC Powerline Conducted Emissions (dB) | 3.2 dB  | -3.2 dB  |

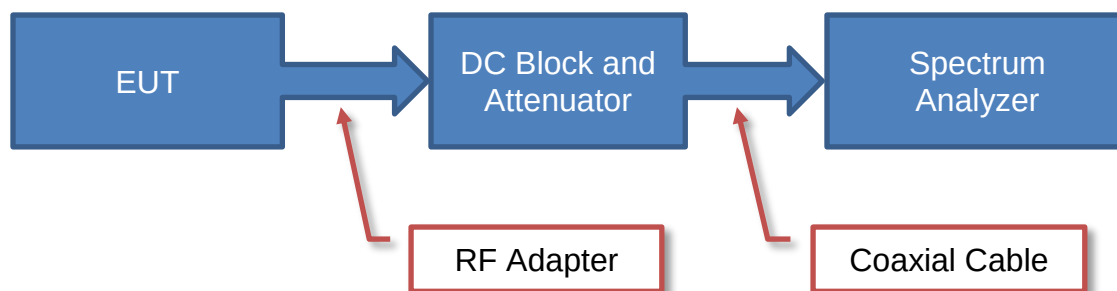
# TEST SETUP BLOCK DIAGRAMS

## Measurement Bandwidths

| Frequency Range (MHz) | Peak Data (kHz) | Quasi-Peak Data (kHz) | Average Data (kHz) |
|-----------------------|-----------------|-----------------------|--------------------|
| 0.01 - 0.15           | 1.0             | 0.2                   | 0.2                |
| 0.15 - 30.0           | 10.0            | 9.0                   | 9.0                |
| 30.0 - 1000           | 100.0           | 120.0                 | 120.0              |
| Above 1000            | 1000.0          | N/A                   | 1000.0             |

Unless otherwise stated, measurements were made using the bandwidths and detectors specified. No video filter was used.

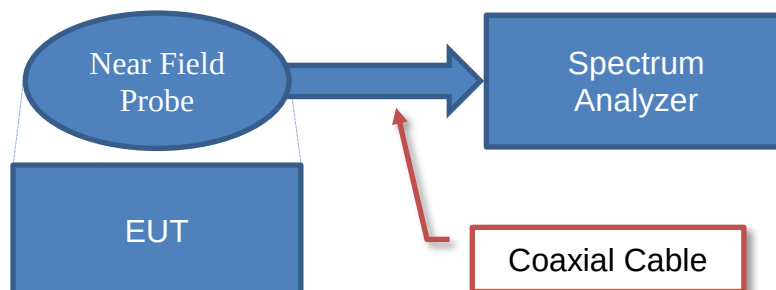
## Antenna Port Conducted Measurements



### Sample Calculation (logarithmic units)

|                |   |                |   |                        |
|----------------|---|----------------|---|------------------------|
| Measured Value |   | Measured Level |   | Reference Level Offset |
| 71.2           | = | 42.6           | + | 28.6                   |

## Near Field Test Fixture Measurements



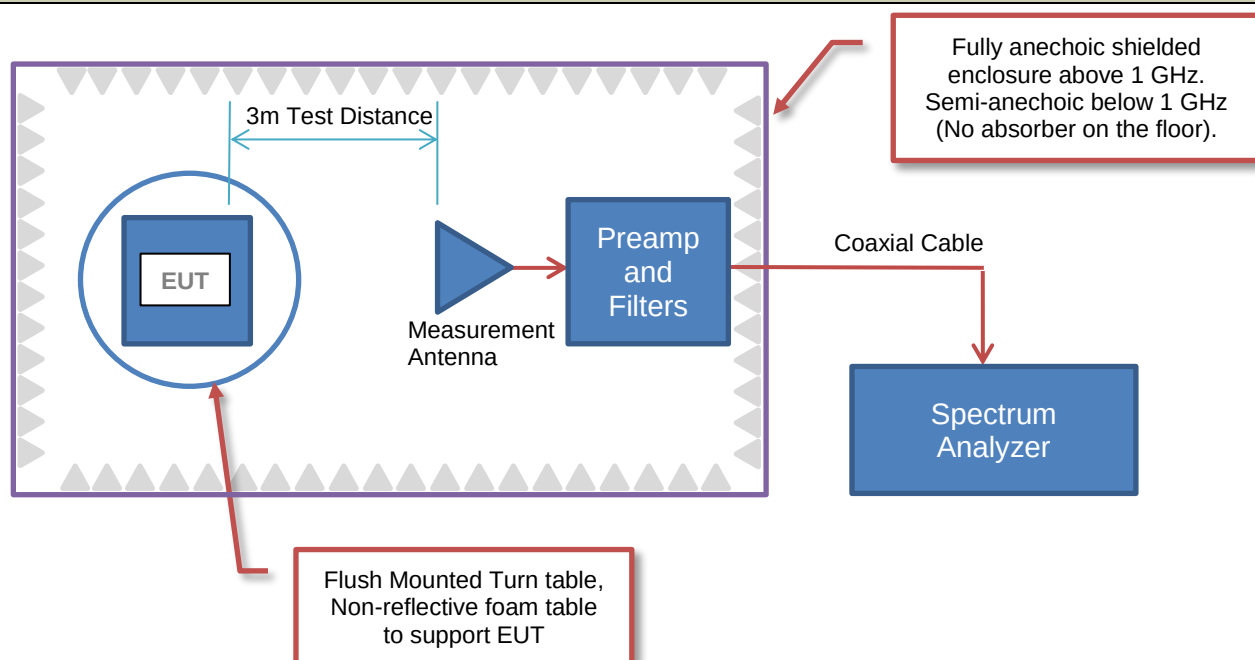
### Sample Calculation (logarithmic units)

|                |   |                |   |                        |
|----------------|---|----------------|---|------------------------|
| Measured Value |   | Measured Level |   | Reference Level Offset |
| 71.2           | = | 42.6           | + | 28.6                   |



# TEST SETUP BLOCK DIAGRAMS

## Emissions Measurements



## Sample Calculation (logarithmic units)

### Radiated Emissions:

| Measured Level (Amplitude) | Factor         |              |                | Distance Adjustment Factor | External Attenuation | Field Strength |
|----------------------------|----------------|--------------|----------------|----------------------------|----------------------|----------------|
|                            | Antenna Factor | Cable Factor | Amplifier Gain |                            |                      |                |
| 42.6                       | 28.6           | 3.1          | 40.8           | 0.0                        | 0.0                  | 33.5           |

### Conducted Emissions:

| Measured Level (Amplitude) | Factor            |              | External Attenuation | Adjusted Level |
|----------------------------|-------------------|--------------|----------------------|----------------|
|                            | Transducer Factor | Cable Factor |                      |                |
| 26.7                       | 0.3               | 0.1          | 20.0                 | 47.1           |

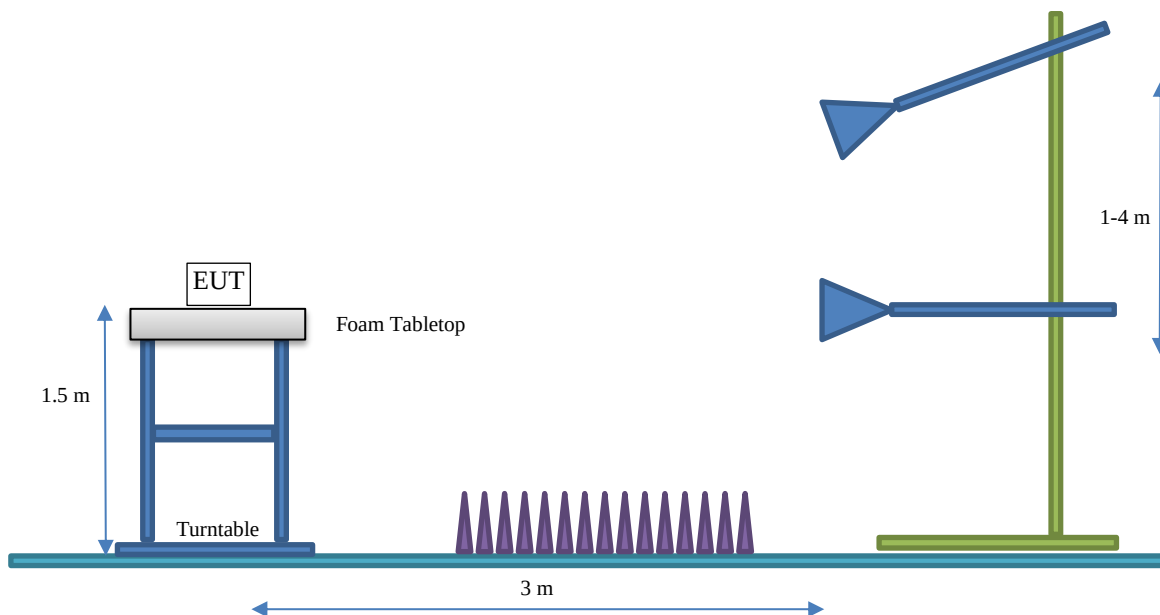
### Radiated Power (ERP/EIRP) – Substitution Method:

| Measured Level into Substitution Antenna (Amplitude dBm) | Substitution Antenna Factor (dBi) | EIRP to ERP (if applicable) | Measured power (dBm ERP/EIRP) |
|----------------------------------------------------------|-----------------------------------|-----------------------------|-------------------------------|
| 10.0                                                     | 6.0                               | 2.15                        | 13.9/16.0                     |

# TEST SETUP BLOCK DIAGRAMS

## Bore Sighting (>1GHz)

The diameter of the illumination area is the dimension of the line tangent to the EUT formed by 3 dB beamwidth of the measurement antenna at the measurement distance. At a 3 meter test distance, the diameter of the illumination area was 3.8 meters at 1 GHz and greater than 2.1 meters up to 6 GHz. Above 1 GHz, when required by the measurement standard, the antenna is pointed for both azimuth and elevation to maintain the receive antenna within the cone of radiation from the EUT. The specified measurement detectors were used for comparison of the emissions to the peak and average specification limits.



# PRODUCT DESCRIPTION



## Client and Equipment under Test (EUT) Information

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| Company Name:            | Telit Communications S.p.A.                                       |
| Address:                 | Viale Stazione di Prosecco 5/b                                    |
| City, State, Zip:        | Trieste, 34010                                                    |
| Test Requested By:       | Paolomaria Schiratti                                              |
| EUT:                     | LE910C1-WWX, LE910C4-WWX, LE910C1-WWXD, LE910C4-WWXD with HW 1.20 |
| First Date of Test:      | December 5, 2022                                                  |
| Last Date of Test:       | January 12, 2023                                                  |
| Receipt Date of Samples: | December 5, 2022                                                  |
| Equipment Design Stage:  | Prototype                                                         |
| Equipment Condition:     | No Damage                                                         |
| Purchase Authorization:  | Verified                                                          |

## Information Provided by the Party Requesting the Test

|                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Functional Description of the EUT:</b>                                                                                                                                                                                                                                                                                                           |
| A family of four cellular modules (LE910C1-WWX, LE910C4-WWX, LE910C1-WWXD, LE910C4-WWXD). The C1 and C4 descriptors are to include that the modules are Cat. 1 and Cat. 4 LTE, respectively. The "D" at the end of the last two modules indicates that those are the "data-only" (i.e. voice capability removed) versions of the C1 and C4 modules. |
| <b>Testing Objective:</b>                                                                                                                                                                                                                                                                                                                           |
| To demonstrate compliance of the Cellular radio to FCC 22H, FCC 24E, FCC 27, and FCC 90 requirements. Testing is for a Class 2 Permissive Change as per "HW Change Note LE910Cx-WWX_HW1.2_r1"                                                                                                                                                       |
| <b>FCC ID:</b>                                                                                                                                                                                                                                                                                                                                      |
| RI7LE910CXWWX                                                                                                                                                                                                                                                                                                                                       |
| <b>EUT Photo:</b>                                                                                                                                                                                                                                                                                                                                   |

Photos located in TELI0004.0 FCC Cellular Report Photos Only

# POWER SETTINGS AND ANTENNAS



The power settings, antenna gain value(s) and cable loss (if applicable) used for the testing contained in this report were provided by the customer and will affect the validity of the results. Element assumes no responsibility for the accuracy of this information. The power settings below reflect the maximum power that the EUT is allowed to transmit at during normal operation.

## ANTENNA GAIN (dBi)

| Type           | Model No:  | Provided by:                         | Tx (Uplink) Frequency Range/<br>Channel number                                                                                                                                       | Gain (dBi)                                                           |
|----------------|------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Dipole Antenna | WE14-LF-07 | HNS (HANKOOK<br>NETWORK<br>SOLUTION) | WCDMA Band 2: 1852.4-1907.6 MHz<br>WCDMA Band 4: 1712.4-1752.6 MHz<br>WCDMA Band 5: 826.4-846.6 MHz                                                                                  | Band 2/4: 3.5dBi<br>Band 5: 1.5dBi                                   |
|                |            |                                      | Band 2: 1850~1910<br>Band 4: 1710~1755<br>Band 5: 824~849<br>Band 7: 2500~2570<br>Band 12: 699~716<br>Band 13: 777~787<br>Band 14: 788~798<br>Band 66: 1710~1780<br>Band 71: 663~698 | Band 2/4/66: 3.5dBi<br>Band 5/12/13/14/71: 1.5dBi<br>Band 7: 1.82dBi |

The EUT was tested using the power settings provided by the manufacturer which were based upon:

☒ Test software settings      Test software/firmware installed on EUT:

|              |            |
|--------------|------------|
| HW Version   | 1.20       |
| LE910C1-WWX  | M0F.503006 |
| LE910C4-WWX  | M0F.103006 |
| LE910C1-WWXD | M0F.403006 |
| LE910C4-WWXD | M0F.603006 |

☐ Rated power settings

## SETTINGS FOR ALL TESTS IN THIS REPORT

| Cellular Protocol | Bandwidths            | Modulation Types | Channels       | UL Frequency Range (MHz) | DL Frequency Range (MHz) | Power Setting       |
|-------------------|-----------------------|------------------|----------------|--------------------------|--------------------------|---------------------|
| WCDMA             | 1.4, 3, 5, 10, 15, 20 | QPSK, 16-QAM     | Low, Mid, High | 1850-1910                | 1930-1990                | Max Default Setting |
|                   | 1.4, 3, 5, 10, 15, 20 | QPSK, 16-QAM     | Low, Mid, High | 1710-1755                | 2110-2155                | Max Default Setting |
|                   | 1.4, 3, 5, 10         | QPSK, 16-QAM     | Low, Mid, High | 824-849                  | 869-894                  | Max Default Setting |
| LTE               | 1.4, 3, 5, 10         | QPSK, 16-QAM     | Low, Mid, High | 699-716                  | 729-746                  | Max Default Setting |
|                   | 5, 10                 | QPSK, 16-QAM     | Low, High      | 777-787                  | 746-756                  | Max Default Setting |
|                   | 5, 10                 | QPSK, 16-QAM     | Low, High      | 788-798                  | 758-768                  | Max Default Setting |
|                   | 1.4, 3, 5, 10, 15, 20 | QPSK, 16-QAM     | Low, Mid, High | 1710-1780                | 2110-2200                | Max Default Setting |
|                   | 5, 10, 15, 20         | QPSK, 16-QAM     | Low, Mid, High | 663-698                  | 617-652                  | Max Default Setting |
|                   | 5, 10, 15, 20         | QPSK, 16-QAM     | Low, Mid, High | 2500~2570                | 2620~2690                | Max Default Setting |

\*Maximum default setting based on specified tune-up procedure by the manufacturer.

# CONFIGURATIONS

## Configuration TELI0004- 1

| EUT                  |                             |                   |                                      |
|----------------------|-----------------------------|-------------------|--------------------------------------|
| Description          | Manufacturer                | Model/Part Number | Serial Number                        |
| Data Terminal Module | Telit Communications S.p.A. | LE910C4-WWX       | ENG Sample 1 (IMEI: 353338970545965) |

| Peripherals     |              |                   |               |
|-----------------|--------------|-------------------|---------------|
| Description     | Manufacturer | Model/Part Number | Serial Number |
| DC Power Supply | Agilent      | E3648A            | MY51120046    |

| Cables         |        |            |         |                      |                 |
|----------------|--------|------------|---------|----------------------|-----------------|
| Cable Type     | Shield | Length (m) | Ferrite | Connection 1         | Connection 2    |
| DC Power Cable | No     | 1.0m       | No      | Data Terminal Module | DC Power Supply |

## Configuration TELI0004- 2

| EUT                  |                             |                   |                                      |
|----------------------|-----------------------------|-------------------|--------------------------------------|
| Description          | Manufacturer                | Model/Part Number | Serial Number                        |
| Data Terminal Module | Telit Communications S.p.A. | LE910C4-WWX       | ENG Sample 2 (IMEI: 353338970545643) |

| Peripherals     |              |                   |               |
|-----------------|--------------|-------------------|---------------|
| Description     | Manufacturer | Model/Part Number | Serial Number |
| DC Power Supply | Agilent      | E3648A            | MY51120046    |

| Cables         |        |            |         |                      |                 |
|----------------|--------|------------|---------|----------------------|-----------------|
| Cable Type     | Shield | Length (m) | Ferrite | Connection 1         | Connection 2    |
| DC Power Cable | No     | 1.0m       | No      | Data Terminal Module | DC Power Supply |
| USB Cable      | Yes    | 1.2m       | No      | Data Terminal Module | Unterminated    |

# MODIFICATIONS

## Equipment Modifications

| Item | Date       | Test                        | Modification                         | Note                                                                | Disposition of EUT                          |
|------|------------|-----------------------------|--------------------------------------|---------------------------------------------------------------------|---------------------------------------------|
| 1    | 2022-12-15 | ERP of the Fundamental      | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 2    | 2023-03-12 | Spurious Radiated Emissions | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | Scheduled testing was completed.            |
| 3    | 2023-03-13 | Out of Band Emissions       | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |
| 4    | 2023-03-13 | EIRP of the Fundamental     | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Element following the test. |



# OUT OF BAND EMISSIONS



XMH 2022.02.07.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST EQUIPMENT

| Description                  | Manufacturer       | Model      | ID  | Last Cal.  | Cal. Due   |
|------------------------------|--------------------|------------|-----|------------|------------|
| Programmable Power Supply    | TekPower           | 772307     | SBB | NCR        | NCR        |
| Generator - Signal           | Keysight           | N5182B     | TES | 2021-09-14 | 2024-09-14 |
| Meter - Multimeter           | Fluke              | 179        | MBB | 2021-03-05 | 2024-03-05 |
| Directional Coupler          | Fairview Microwave | MC2047-10  | RHZ | 1900-01-04 | 2023-04-25 |
| Cable                        | Element            | None       | OC5 | 2022-02-14 | 2023-02-14 |
| Attenuator                   | Fairview Microwave | SA18H-20   | UAY | 2022-03-30 | 2023-03-30 |
| Block - DC                   | Aeroflex           | INMET 8535 | AMO | 2022-02-18 | 2023-02-18 |
| Analyzer - Spectrum Analyzer | Agilent            | E4440A     | AFA | 2022-10-21 | 2023-10-21 |

## TEST DESCRIPTION

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. Per FCC ID: R17LE910CXWWX, the worst case modes of operation were investigated and the results are reported in this section.

# OUT OF BAND EMISSIONS - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)



TSTx 2022.06.03.0 XMR 2022.02.07.0

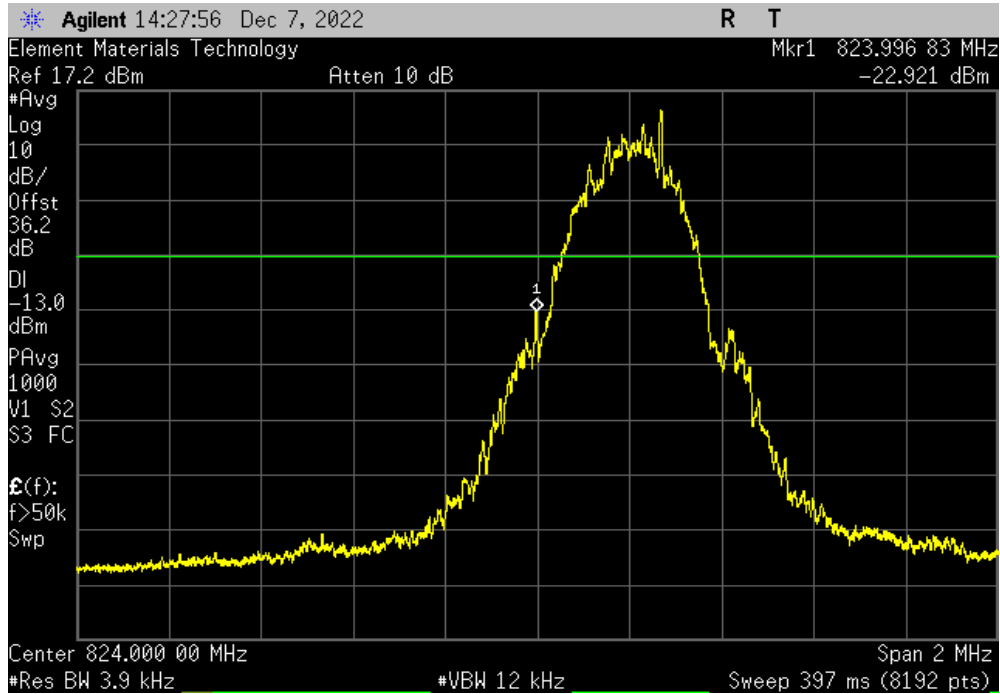
|                                                                                                                          |   |                                                                                             |                 |
|--------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|-----------------|
| EUT: LE910C4-WWX                                                                                                         |   | Work Order: TELI0004                                                                        |                 |
| Serial Number: ENG Sample 1                                                                                              |   | Date: 7-Dec-22                                                                              |                 |
| Customer: Telit Communications S.p.A.                                                                                    |   | Temperature: 19.3 °C                                                                        |                 |
| Attendees: None                                                                                                          |   | Humidity: 48.4% RH                                                                          |                 |
| Project: None                                                                                                            |   | Barometric Pres.: 1025 mbar                                                                 |                 |
| Tested by: Nolan De Ramos                                                                                                |   | Power: 3.8VDC                                                                               |                 |
|                                                                                                                          |   | Job Site: OC13                                                                              |                 |
| TEST SPECIFICATIONS                                                                                                      |   |                                                                                             |                 |
| FCC 22H:2022                                                                                                             |   | Test Method                                                                                 |                 |
|                                                                                                                          |   | ANSI C63.26:2015                                                                            |                 |
| COMMENTS                                                                                                                 |   |                                                                                             |                 |
| Data Terminal Module (IMEI: 353338970545965)                                                                             |   |                                                                                             |                 |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                 |   |                                                                                             |                 |
| Spot check of out of band emissions based on worst case: FCC ID: R17LE910CXWWX (Band Edge Emissions at Antenna Terminal) |   |                                                                                             |                 |
| Reference Level Offset = SMA pigtail + directional coupler + coax cable + 20 dB attenuator + DC block                    |   |                                                                                             |                 |
| DEVIATIONS FROM TEST STANDARD                                                                                            |   |                                                                                             |                 |
| None                                                                                                                     |   |                                                                                             |                 |
| Configuration #                                                                                                          | 1 | Signature  |                 |
|                                                                                                                          |   | Frequency Range                                                                             | Max Value (dBm) |
|                                                                                                                          |   |                                                                                             | Limit ≤ (dBm)   |
|                                                                                                                          |   |                                                                                             | Result          |
| GSM Band GSM-850                                                                                                         |   |                                                                                             |                 |
|                                                                                                                          |   | Low Channel 128, 824.2 MHz                                                                  | 1               |
|                                                                                                                          |   | Low Channel 128, 824.2 MHz                                                                  | 2               |
|                                                                                                                          |   | Low Channel 128, 824.2 MHz                                                                  | 3               |
|                                                                                                                          |   | High Channel 251, 848.8 MHz                                                                 | 1               |
|                                                                                                                          |   | High Channel 251, 848.8 MHz                                                                 | 2               |
|                                                                                                                          |   | High Channel 251, 848.8 MHz                                                                 | 3               |
| WCDMA Band V (GSM-850)                                                                                                   |   |                                                                                             |                 |
|                                                                                                                          |   | Low Channel 4132, 826.4 MHz                                                                 | 1               |
|                                                                                                                          |   | Low Channel 4132, 826.4 MHz                                                                 | 2               |
|                                                                                                                          |   | Low Channel 4132, 826.4 MHz                                                                 | 3               |
|                                                                                                                          |   | High Channel 4233, 846.6 MHz                                                                | 1               |
|                                                                                                                          |   | High Channel 4233, 846.6 MHz                                                                | 2               |
|                                                                                                                          |   | High Channel 4233, 846.6 MHz                                                                | 3               |

# OUT OF BAND EMISSIONS - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)

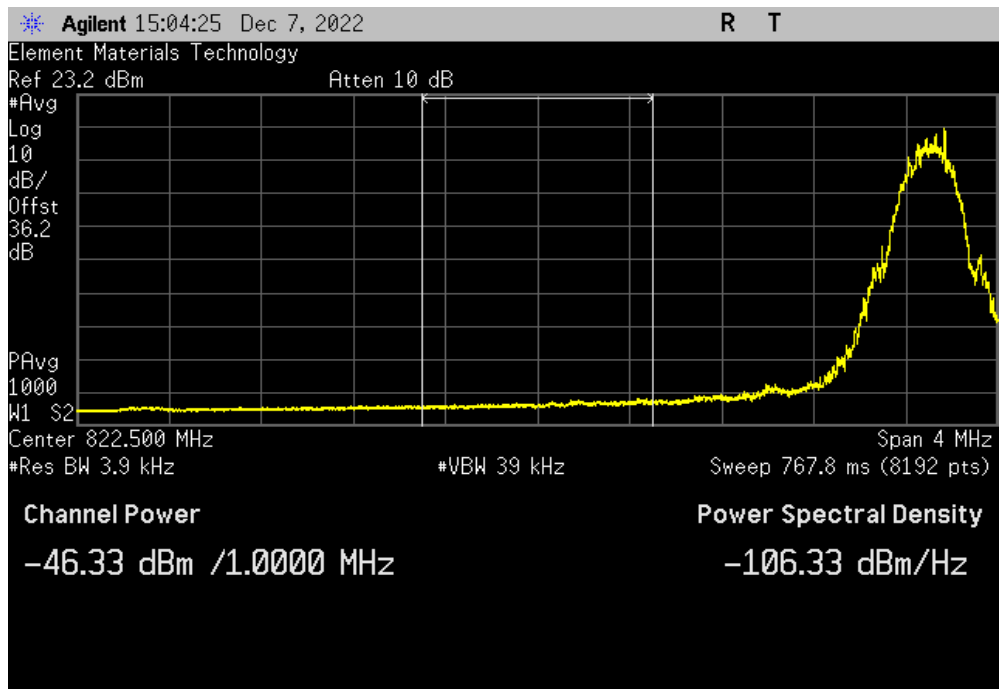


TelTel 2022.06.03.0 XM8 2022.02.07.0

| GSM Band GSM-850, Low Channel 128, 824.2 MHz |  |  |  |                 |               |        |
|----------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                              |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                            |  |  |  | -22.92          | -13           | Pass   |



| GSM Band GSM-850, Low Channel 128, 824.2 MHz |  |  |  |                 |               |        |
|----------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                              |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                            |  |  |  | -46.33          | -13           | Pass   |

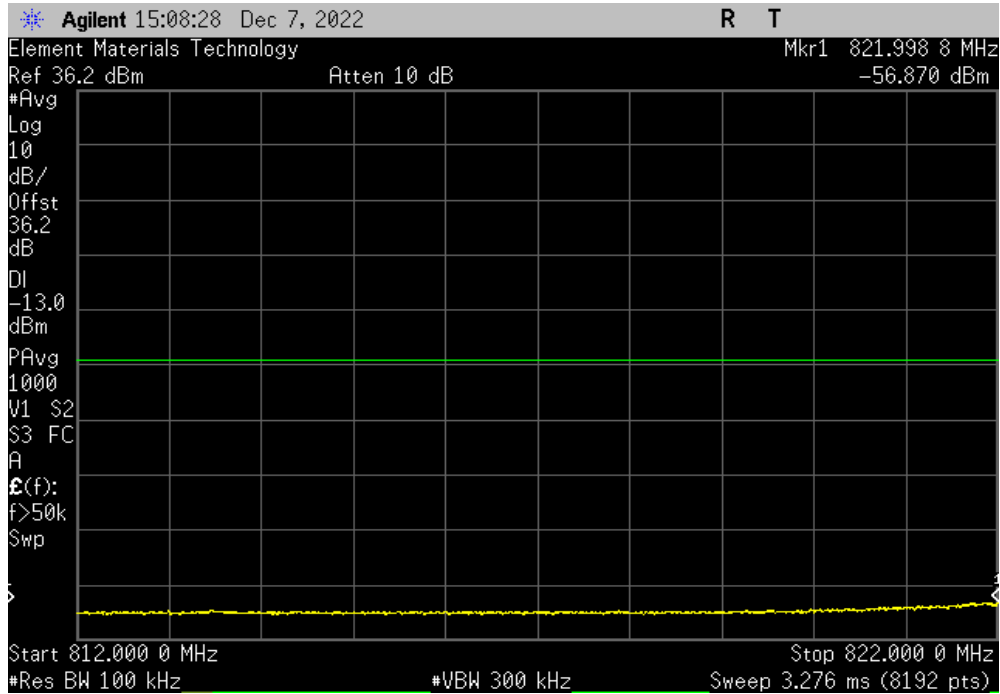


# OUT OF BAND EMISSIONS - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)

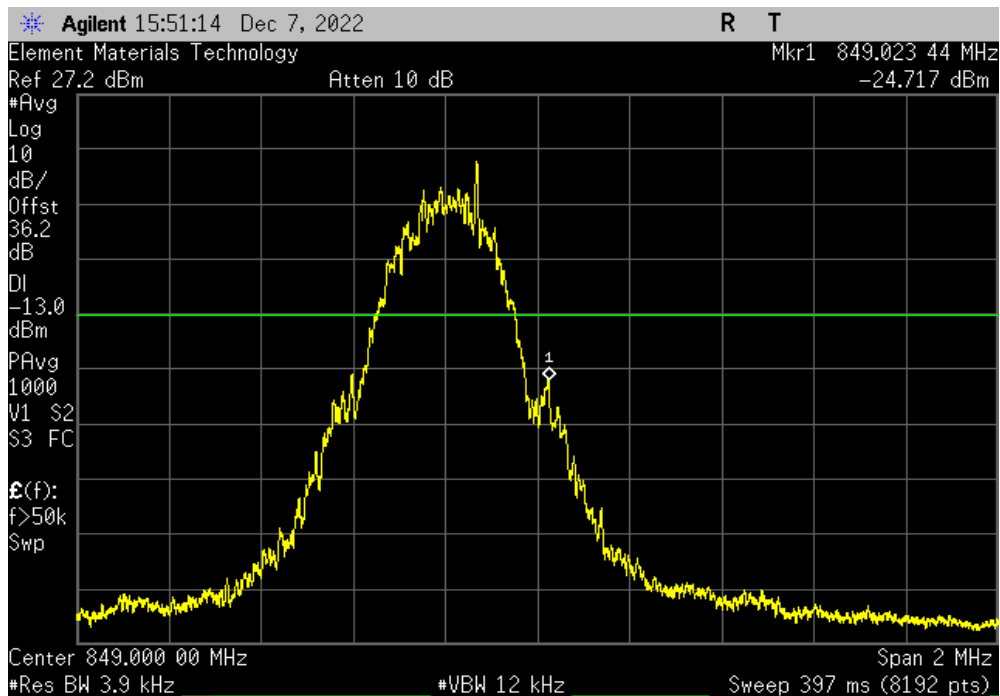


TUTx 2022.06.03.0 XMR 2022.02.07.0

| GSM Band GSM-850, Low Channel 128, 824.2 MHz |  |  |  |                 |               |        |
|----------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                              |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                            |  |  |  | -56.87          | -13           | Pass   |



| GSM Band GSM-850, High Channel 251, 848.8 MHz |  |  |  |                 |               |        |
|-----------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                               |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                             |  |  |  | -24.72          | -13           | Pass   |

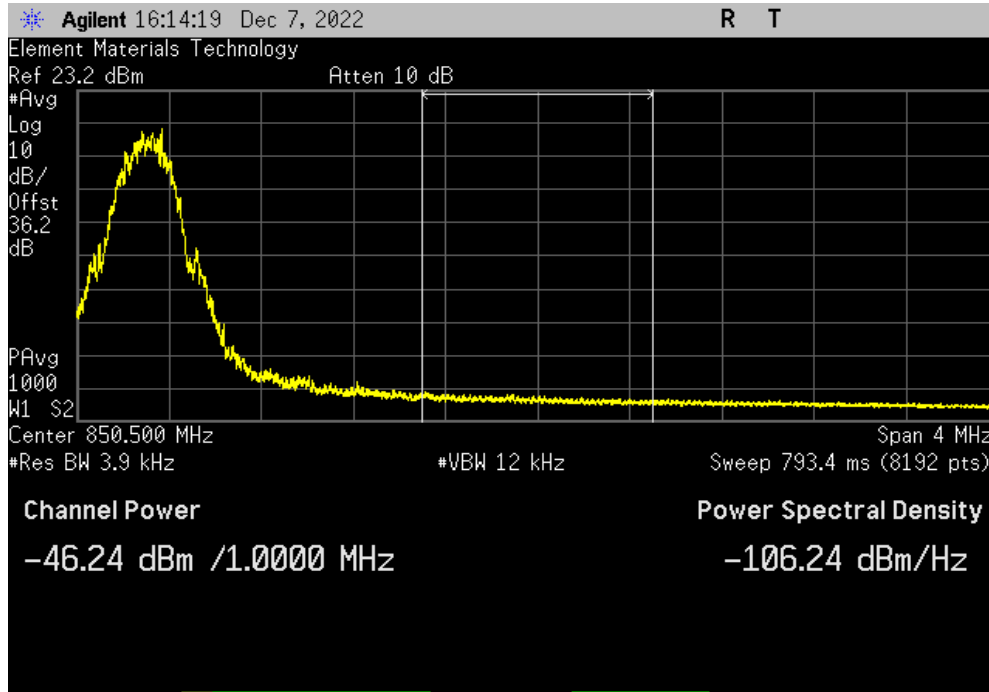


# OUT OF BAND EMISSIONS - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)

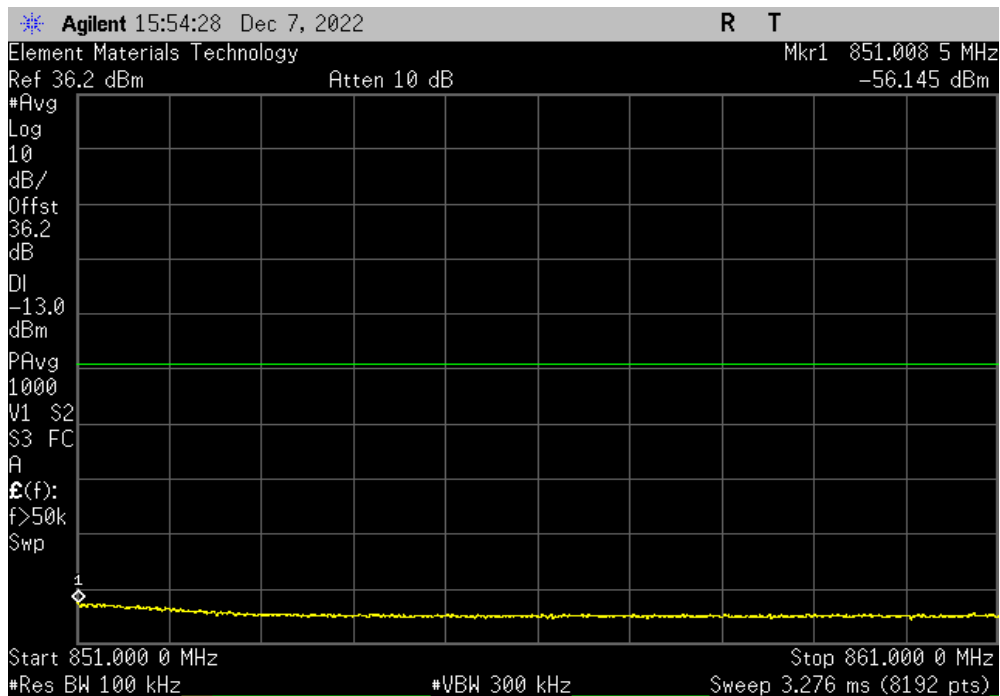


TUTTx 2022.06.03.0 XMR 2022.02.07.0

| GSM Band GSM-850, High Channel 251, 848.8 MHz |  |  |  |                 |               |        |
|-----------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                               |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                             |  |  |  | -46.24          | -13           | Pass   |



| GSM Band GSM-850, High Channel 251, 848.8 MHz |  |  |  |                 |               |        |
|-----------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                               |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                             |  |  |  | -56.15          | -13           | Pass   |

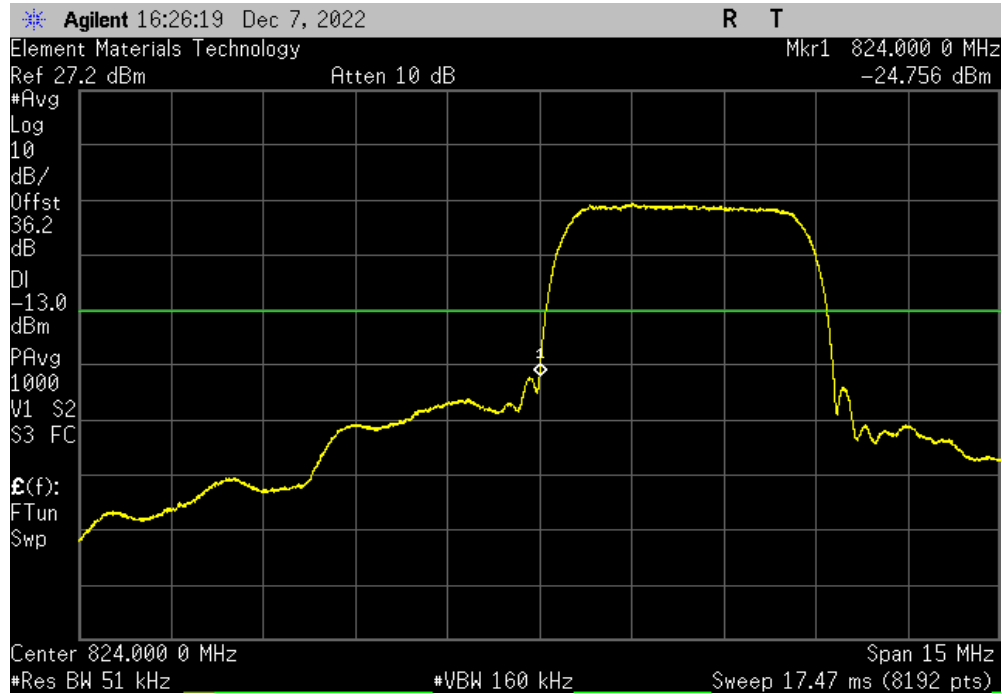


# OUT OF BAND EMISSIONS - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)

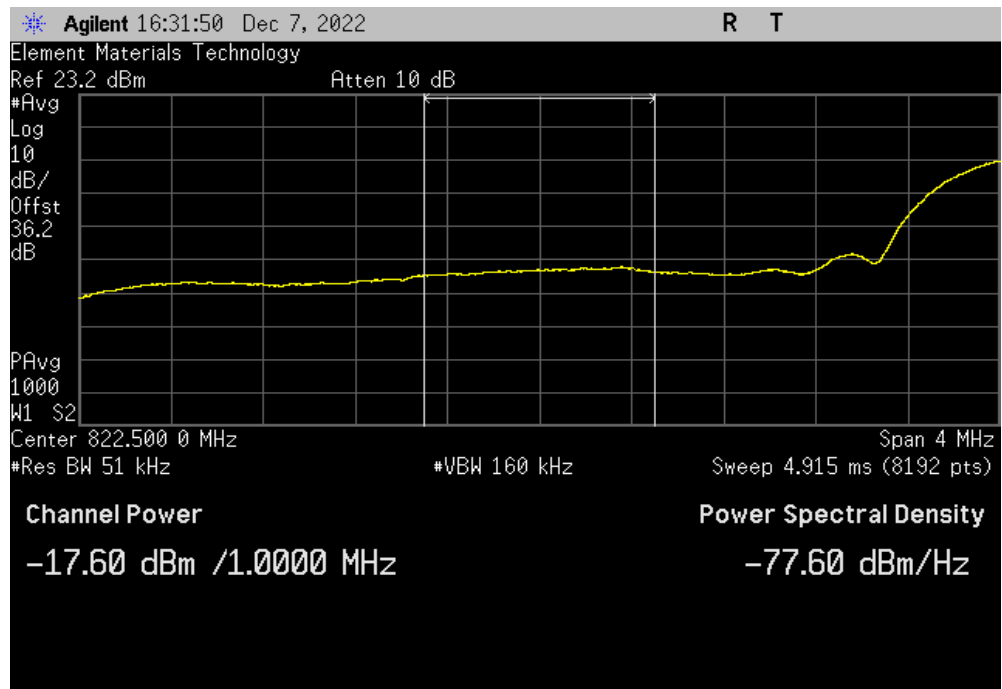


TelTel 2022.06.03.0 XMit 2022.02.07.0

| WCDMA Band V (GSM-850), Low Channel 4132, 826.4 MHz |  |  |  |                 |               |        |
|-----------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                     |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                   |  |  |  | -24.76          | -13           | Pass   |



| WCDMA Band V (GSM-850), Low Channel 4132, 826.4 MHz |  |  |  |                 |               |        |
|-----------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                     |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                   |  |  |  | -17.6           | -13           | Pass   |

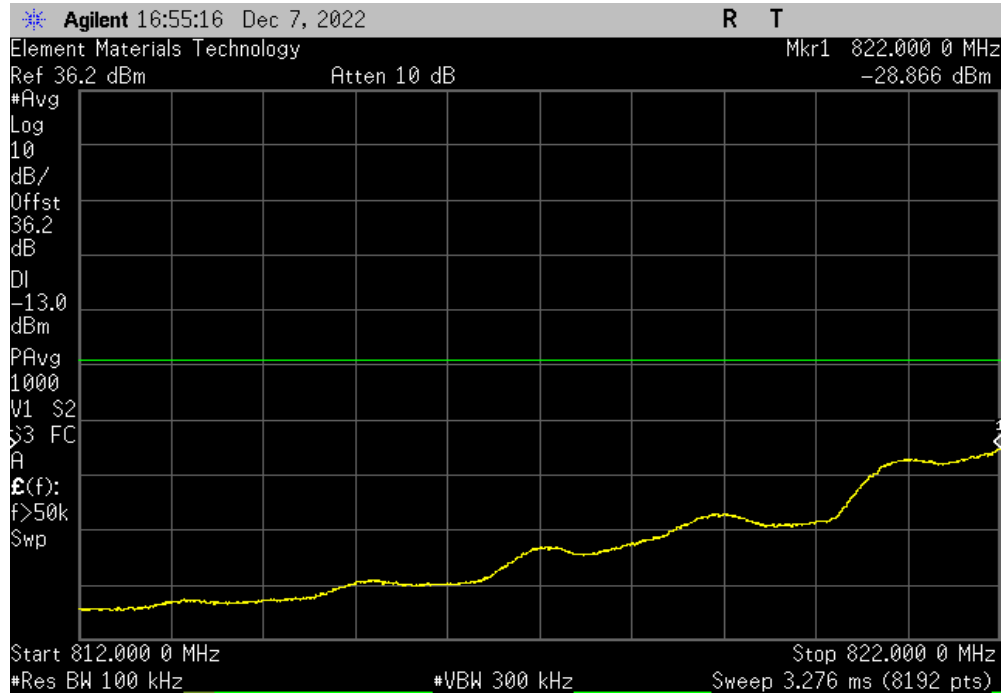


# OUT OF BAND EMISSIONS - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)

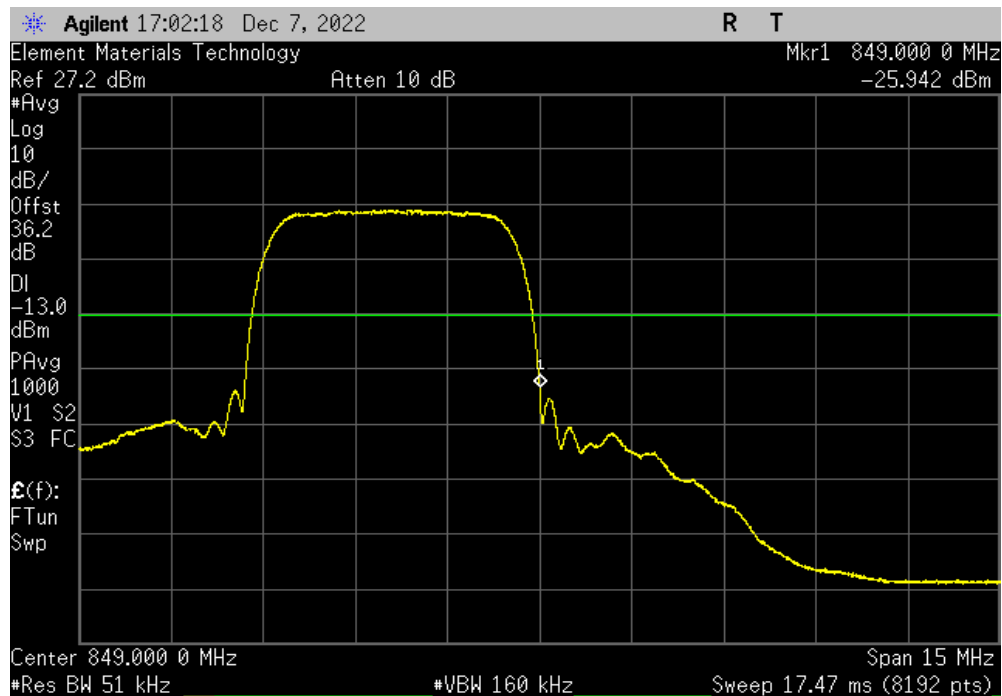


TUTx 2022.06.03.0 XMt 2022.02.07.0

| WCDMA Band V (GSM-850), Low Channel 4132, 826.4 MHz |  |  |  |                 |               |        |
|-----------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                     |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                   |  |  |  | -28.87          | -13           | Pass   |



| WCDMA Band V (GSM-850), High Channel 4233, 846.6 MHz |  |  |  |                 |               |        |
|------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                      |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                    |  |  |  | -25.94          | -13           | Pass   |

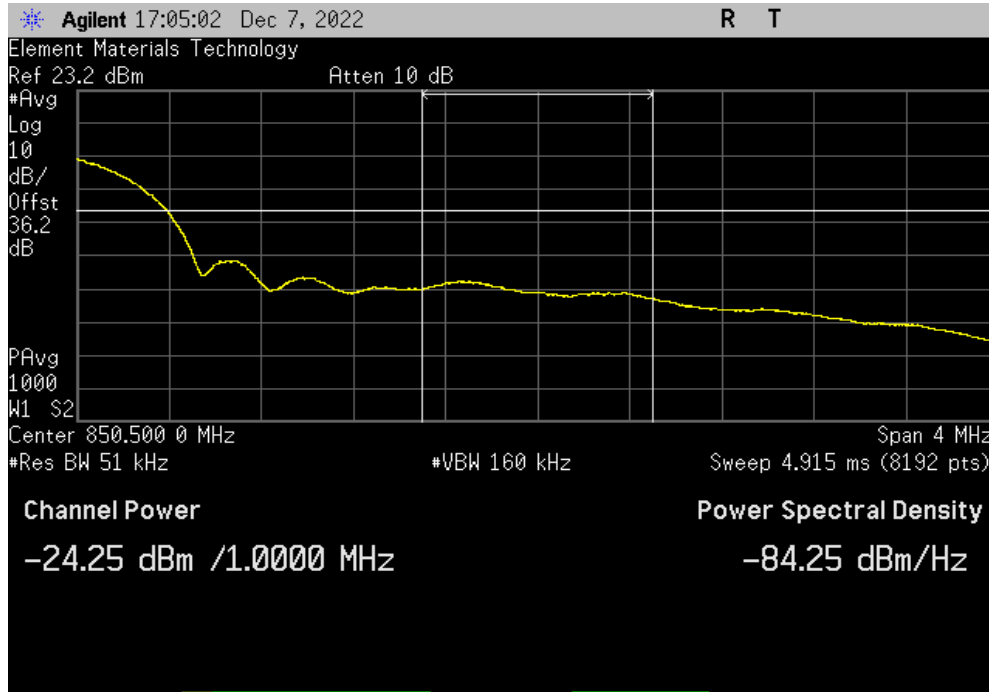


# OUT OF BAND EMISSIONS - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)

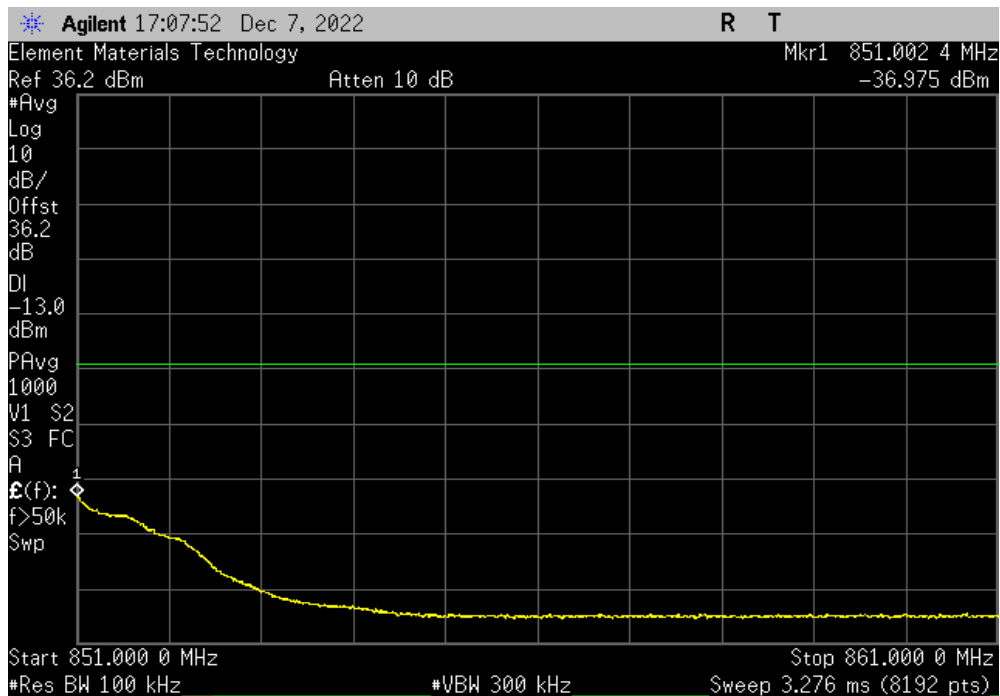


TUTx 2022.06.03.0 XMR 2022.02.07.0

| WCDMA Band V (GSM-850), High Channel 4233, 846.6 MHz |  |  |  |                 |               |        |
|------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                      |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                    |  |  |  | -24.25          | -13           | Pass   |



| WCDMA Band V (GSM-850), High Channel 4233, 846.6 MHz |  |  |  |                 |               |        |
|------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                      |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                    |  |  |  | -36.98          | -13           | Pass   |





# OUT OF BAND EMISSIONS - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900)



TMTx 2022.06.03.0 XMR 2022.02.07.0

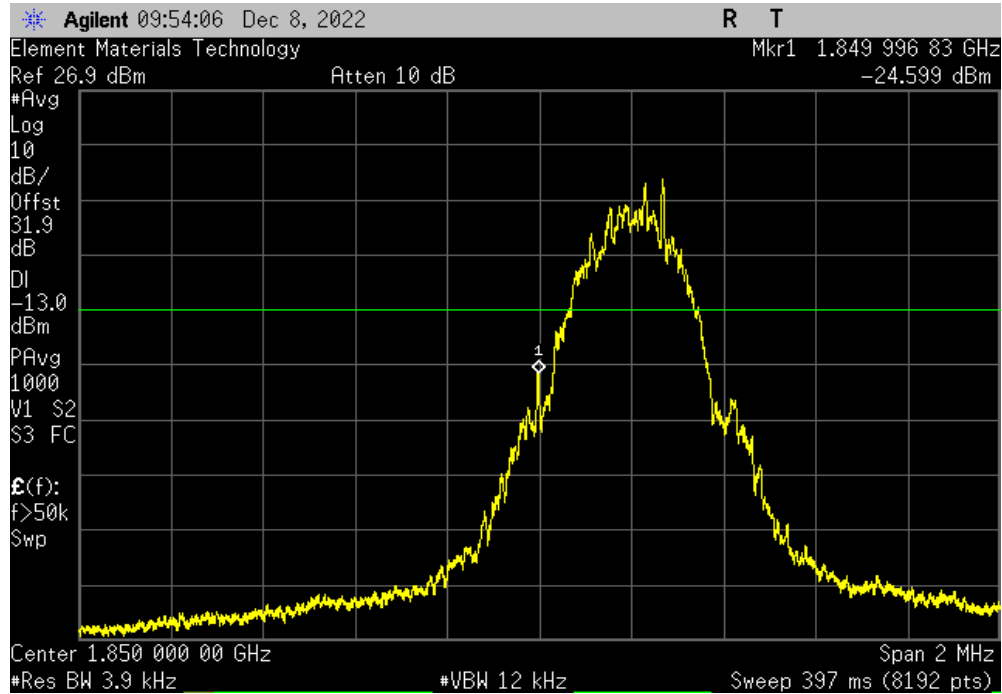
|                                                                                                                          |   |                                                                                             |                 |
|--------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|-----------------|
| EUT: LE910C4-WWX                                                                                                         |   | Work Order: TELI0004                                                                        |                 |
| Serial Number: ENG Sample 1                                                                                              |   | Date: 7-Dec-22                                                                              |                 |
| Customer: Telit Communications S.p.A.                                                                                    |   | Temperature: 19.3 °C                                                                        |                 |
| Attendees: None                                                                                                          |   | Humidity: 48.4% RH                                                                          |                 |
| Project: None                                                                                                            |   | Barometric Pres.: 1025 mbar                                                                 |                 |
| Tested by: Nolan De Ramos                                                                                                |   | Power: 3.8VDC                                                                               |                 |
|                                                                                                                          |   | Job Site: OC13                                                                              |                 |
| TEST SPECIFICATIONS                                                                                                      |   | Test Method                                                                                 |                 |
| FCC 24E:2022                                                                                                             |   | ANSI C63.26:2015                                                                            |                 |
| COMMENTS                                                                                                                 |   |                                                                                             |                 |
| Data Terminal Module (IMEI: 353338970545965)                                                                             |   |                                                                                             |                 |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                 |   |                                                                                             |                 |
| Spot check of out of band emissions based on worst case: FCC ID: R17LE910CXWWX (Band Edge Emissions at Antenna Terminal) |   |                                                                                             |                 |
| Reference Level Offset = SMA pigtail + directional coupler + coax cable + 20 dB attenuator + DC block                    |   |                                                                                             |                 |
| DEVIATIONS FROM TEST STANDARD                                                                                            |   |                                                                                             |                 |
| None                                                                                                                     |   |                                                                                             |                 |
| Configuration #                                                                                                          | 1 | Signature  |                 |
|                                                                                                                          |   | Frequency Range                                                                             | Max Value (dBm) |
|                                                                                                                          |   |                                                                                             | Limit ≤ (dBm)   |
|                                                                                                                          |   |                                                                                             | Result          |
| GSM Band PCS-1900                                                                                                        |   |                                                                                             |                 |
|                                                                                                                          |   | Low Channel 512 (1852.4 MHz)                                                                | 1               |
|                                                                                                                          |   | Low Channel 512 (1852.4 MHz)                                                                | 2               |
|                                                                                                                          |   | Low Channel 512 (1852.4 MHz)                                                                | 3               |
|                                                                                                                          |   | High Channel 810 (1909.8 MHz)                                                               | 1               |
|                                                                                                                          |   | High Channel 810 (1909.8 MHz)                                                               | 2               |
|                                                                                                                          |   | High Channel 810 (1909.8 MHz)                                                               | 3               |
| WCDMA Band II (PCS-1900)                                                                                                 |   |                                                                                             |                 |
|                                                                                                                          |   | Low Channel 9262 (1852.4 MHz)                                                               | 1               |
|                                                                                                                          |   | Low Channel 9262 (1852.4 MHz)                                                               | 2               |
|                                                                                                                          |   | Low Channel 9262 (1852.4 MHz)                                                               | 3               |
|                                                                                                                          |   | High Channel 9538 (1907.6 MHz)                                                              | 1               |
|                                                                                                                          |   | High Channel 9538 (1907.6 MHz)                                                              | 2               |
|                                                                                                                          |   | High Channel 9538 (1907.6 MHz)                                                              | 3               |

# OUT OF BAND EMISSIONS - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900)

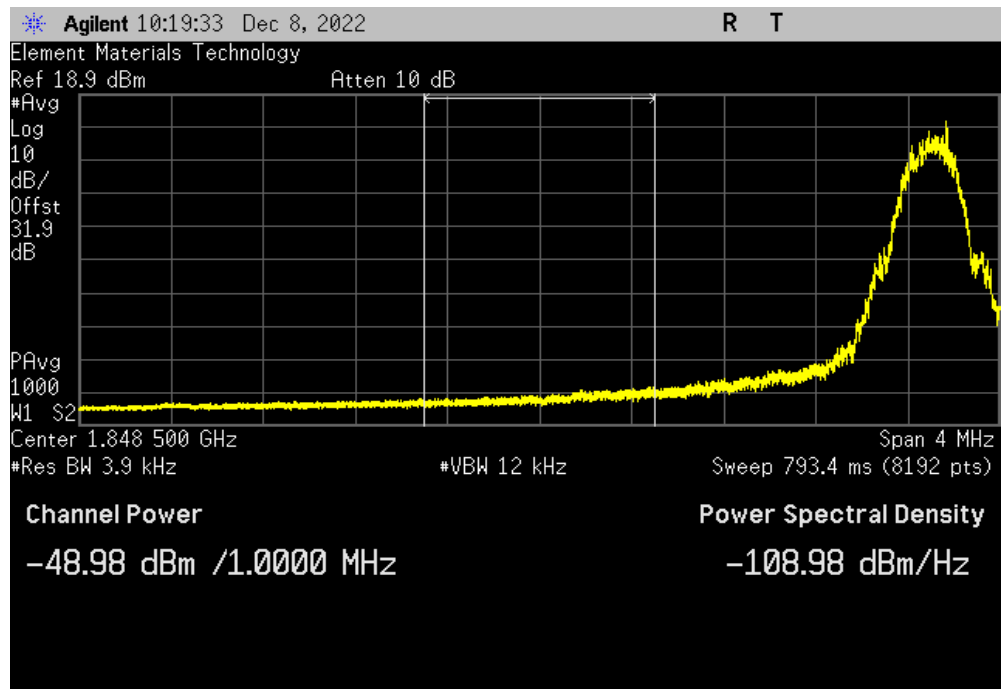


TelTx 2022.06.03.0 XMt 2022.02.07.0

| GSM Band PCS-1900, Low Channel 512 (1852.4 MHz) |  |  |  |                 |               |        |
|-------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                 |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                               |  |  |  | -24.6           | -13           | Pass   |



| GSM Band PCS-1900, Low Channel 512 (1852.4 MHz) |  |  |  |                 |               |        |
|-------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                 |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                               |  |  |  | -48.98          | -13           | Pass   |

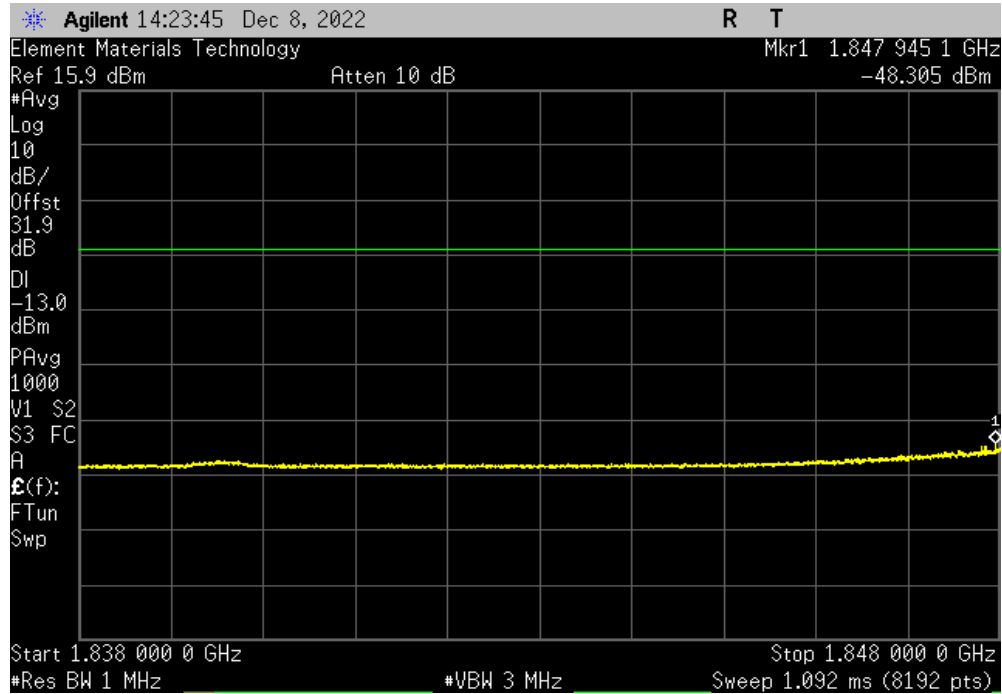


# OUT OF BAND EMISSIONS - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900)

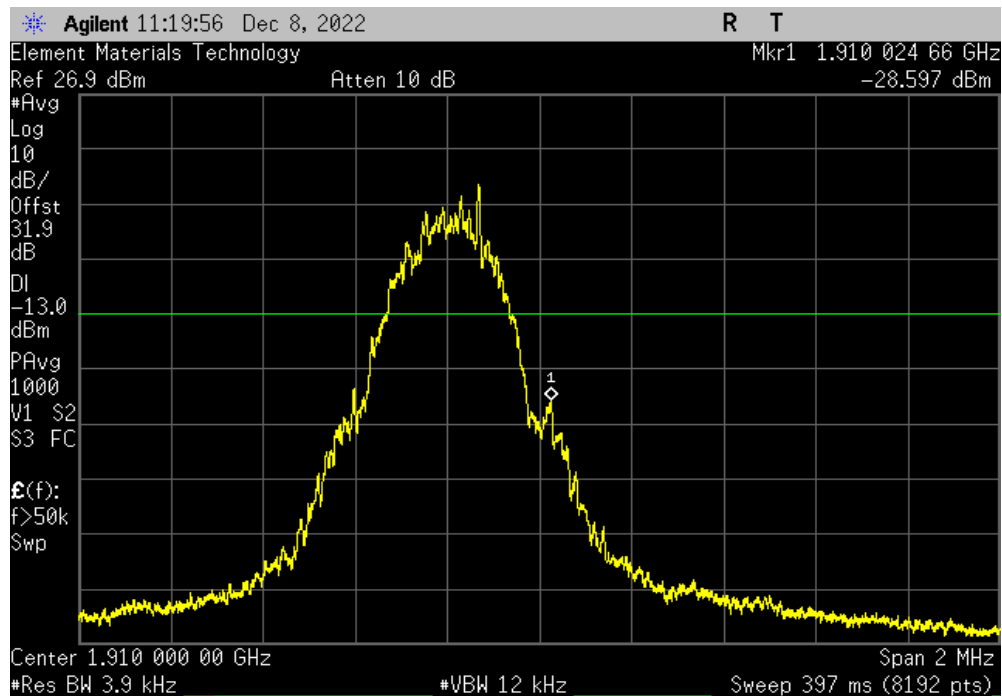


TUTx 2022.06.03.0 XMR 2022.02.07.0

| GSM Band PCS-1900, Low Channel 512 (1852.4 MHz) |                 |               |        |  |  |  |
|-------------------------------------------------|-----------------|---------------|--------|--|--|--|
| Frequency Range                                 | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |  |
| 3                                               | -48.31          | -13           | Pass   |  |  |  |



| GSM Band PCS-1900, High Channel 810 (1909.8 MHz) |                 |               |        |  |  |  |
|--------------------------------------------------|-----------------|---------------|--------|--|--|--|
| Frequency Range                                  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |  |
| 1                                                | -28.6           | -13           | Pass   |  |  |  |

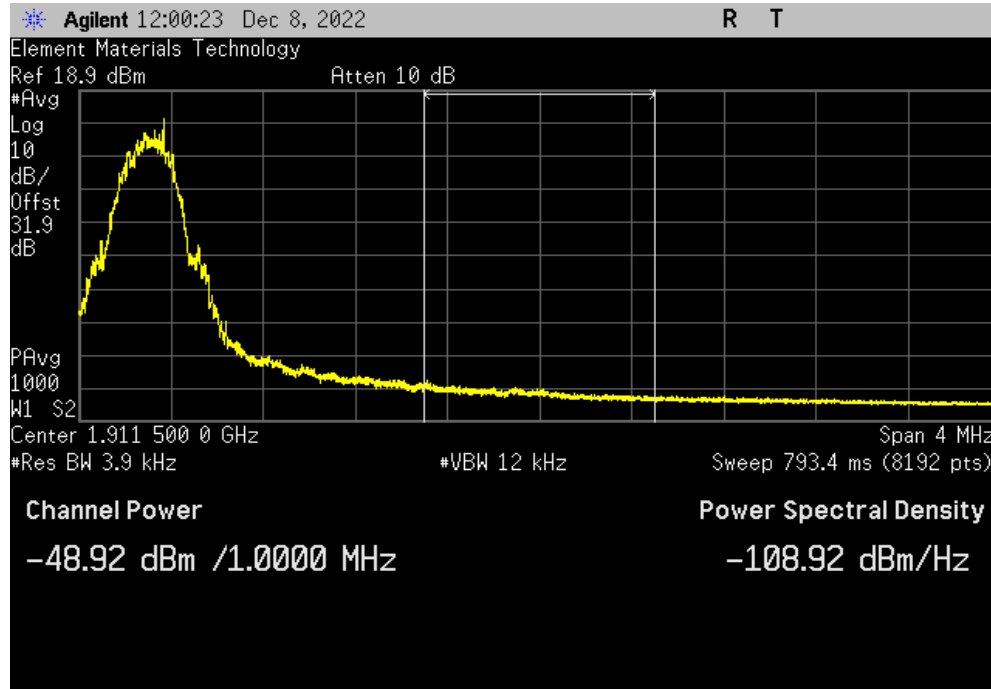


# OUT OF BAND EMISSIONS - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900)

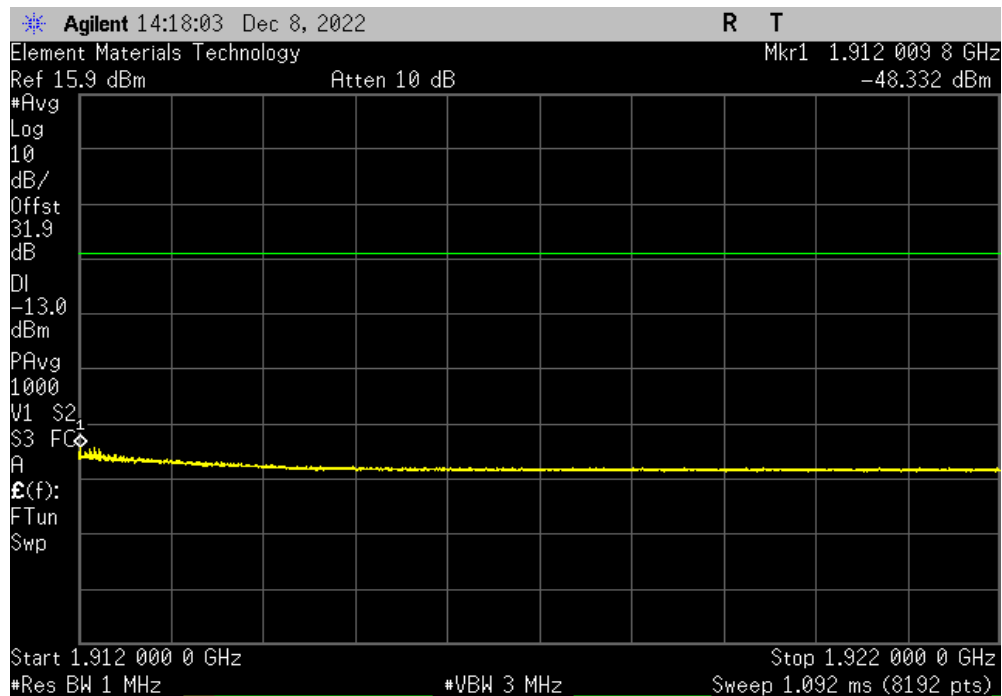


TUTx 2022.06.03.0 XMt 2022.02.07.0

| GSM Band PCS-1900, High Channel 810 (1909.8 MHz) |  |  |  |                 |               |        |
|--------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                  |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                |  |  |  | -48.92          | -13           | Pass   |



| GSM Band PCS-1900, High Channel 810 (1909.8 MHz) |  |  |  |                 |               |        |
|--------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                  |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                |  |  |  | -48.33          | -13           | Pass   |

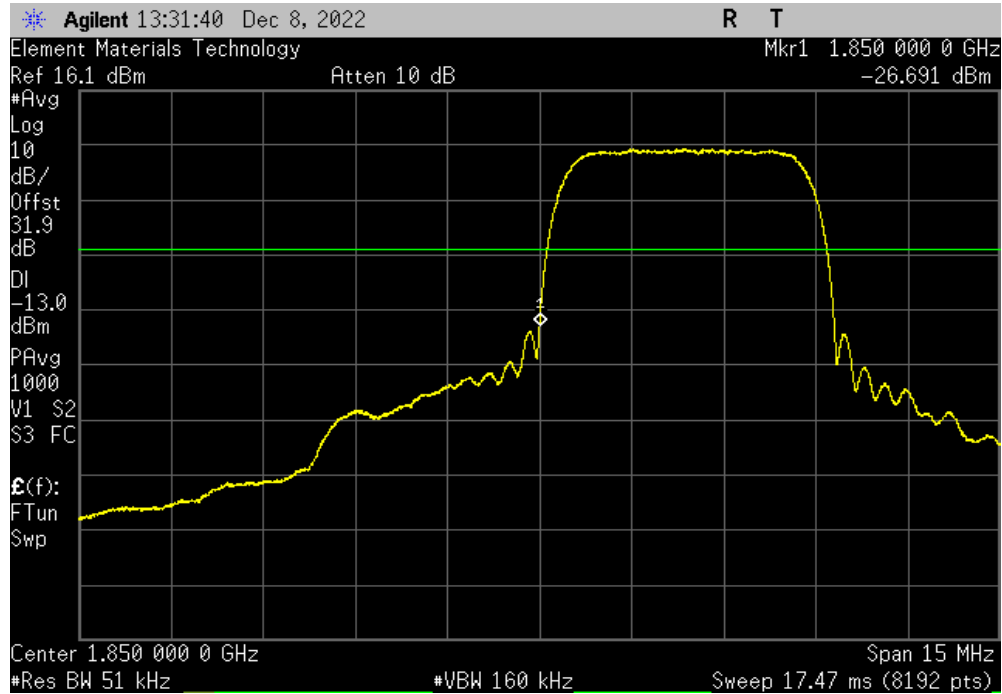


# OUT OF BAND EMISSIONS - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900)

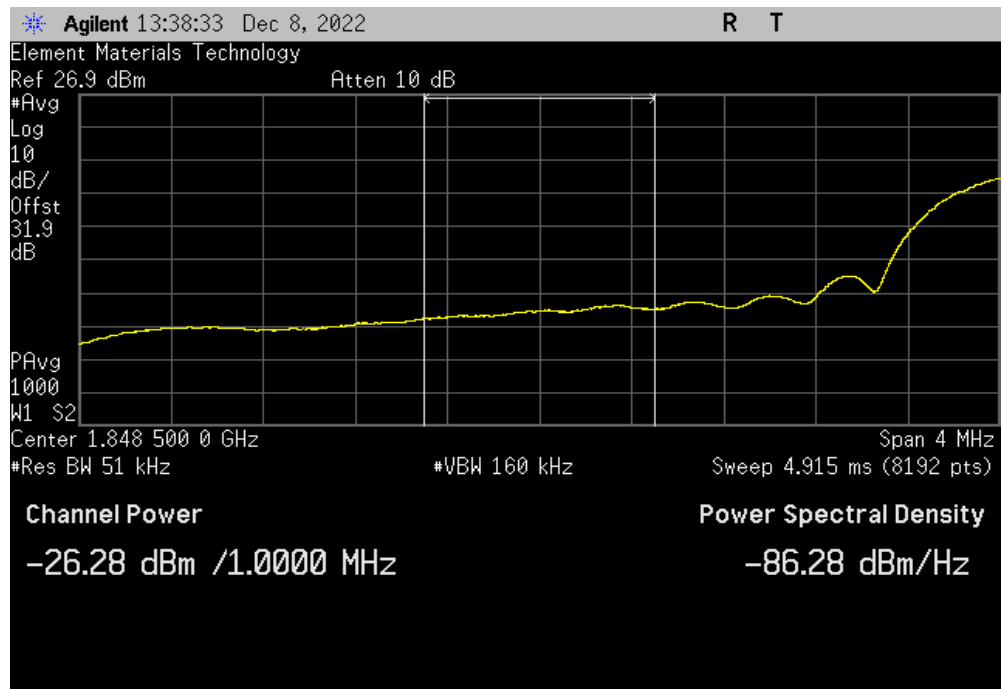


TUTx 2022.06.03.0 XMt 2022.02.07.0

| WCDMA Band II (PCS-1900), Low Channel 9262 (1852.4 MHz) |  |  |  |                 |               |        |
|---------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                         |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                       |  |  |  | -26.69          | -13           | Pass   |



| WCDMA Band II (PCS-1900), Low Channel 9262 (1852.4 MHz) |  |  |  |                 |               |        |
|---------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                         |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                       |  |  |  | -26.28          | -13           | Pass   |

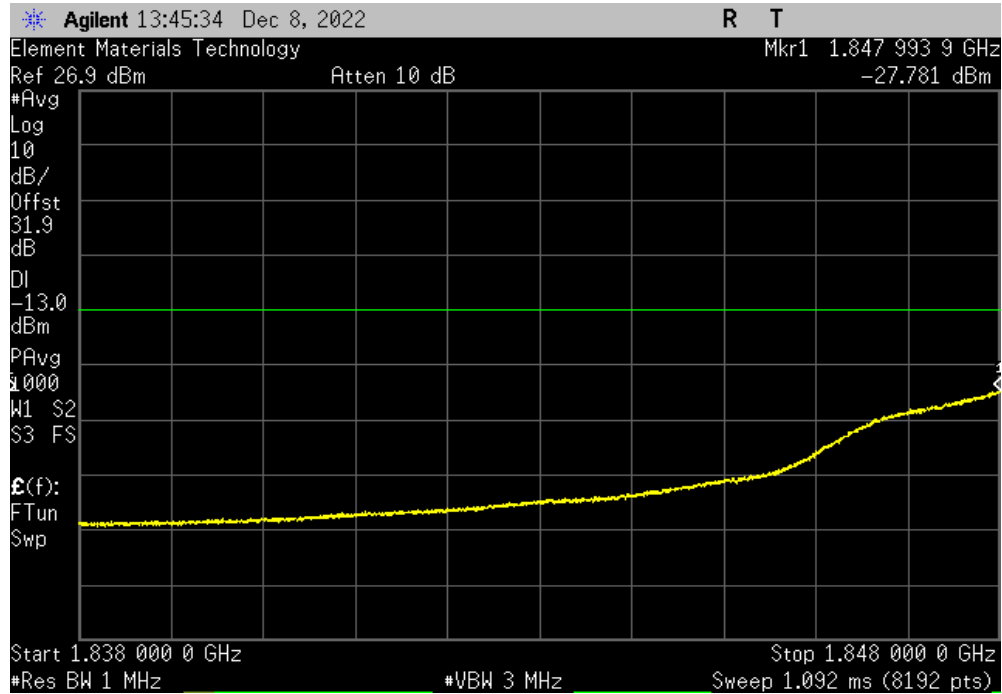


# OUT OF BAND EMISSIONS - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900)

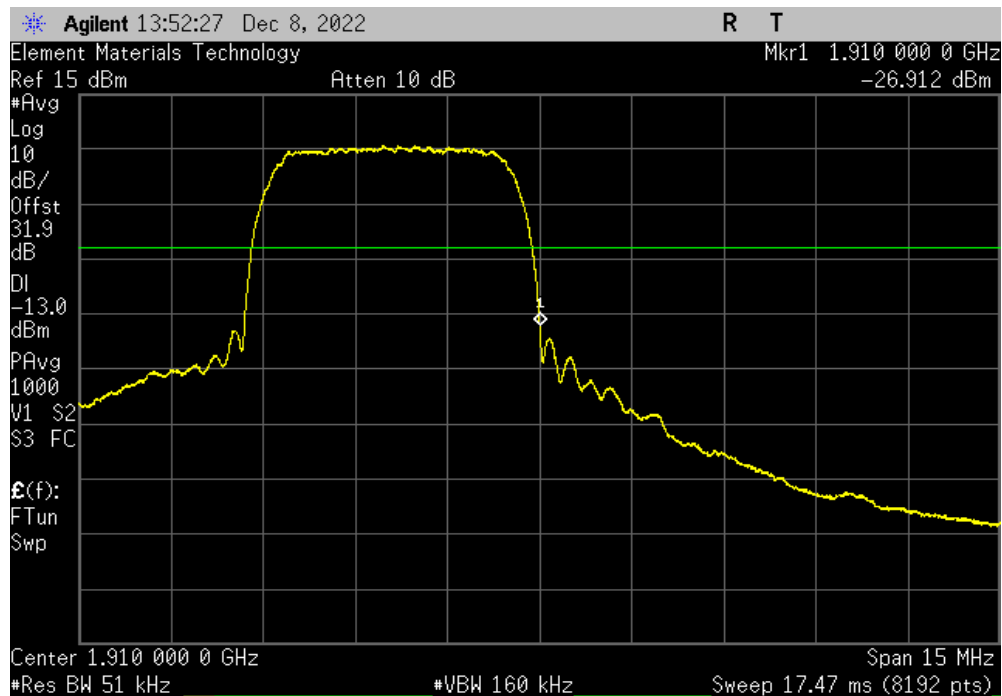


TUTx 2022.06.03.0 XMR 2022.02.07.0

| WCDMA Band II (PCS-1900), Low Channel 9262 (1852.4 MHz) |  |  |  |                 |               |        |
|---------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                         |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                       |  |  |  | -27.78          | -13           | Pass   |



| WCDMA Band II (PCS-1900), High Channel 9538 (1907.6 MHz) |  |  |  |                 |               |        |
|----------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                          |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                        |  |  |  | -26.91          | -13           | Pass   |



# OUT OF BAND EMISSIONS - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900)

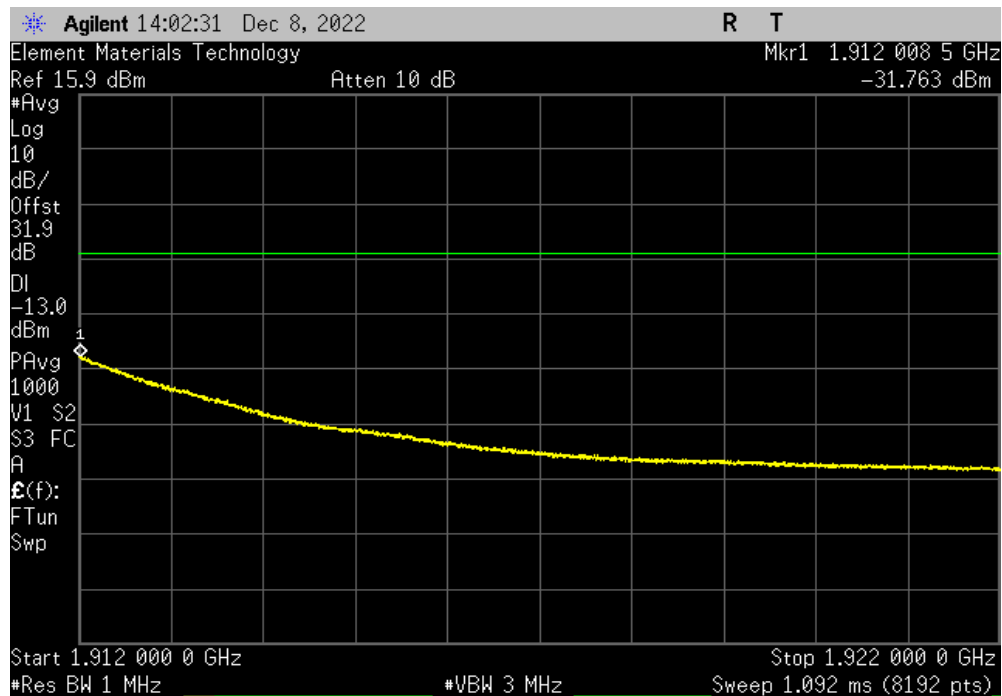


TUTTx 2022.06.03.0 XMR 2022.02.07.0

| WCDMA Band II (PCS-1900), High Channel 9538 (1907.6 MHz) |  |  |  |                 |               |        |
|----------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                          |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                        |  |  |  | -29.2           | -13           | Pass   |



| WCDMA Band II (PCS-1900), High Channel 9538 (1907.6 MHz) |  |  |  |                 |               |        |
|----------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                          |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                        |  |  |  | -31.76          | -13           | Pass   |



# OUT OF BAND EMISSIONS - WCDMA Band IV (AWS-1700)



TbTx 2022.06.03.0 XMit 2022.02.07.0

|                                                                                                                          |                               |                                                                                             |                      |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------|----------------------|
| EUT: LE910C4-WWX                                                                                                         |                               | Work Order: TELI0004                                                                        |                      |
| Serial Number: ENG Sample 1                                                                                              |                               | Date: 7-Dec-22                                                                              |                      |
| Customer: Telit Communications S.p.A.                                                                                    |                               | Temperature: 19.3 °C                                                                        |                      |
| Attendees: None                                                                                                          |                               | Humidity: 48.4% RH                                                                          |                      |
| Project: None                                                                                                            |                               | Barometric Pres.: 1025 mbar                                                                 |                      |
| Tested by: Nolan De Ramos                                                                                                |                               | Power: 3.8VDC                                                                               |                      |
|                                                                                                                          |                               | Job Site: OC13                                                                              |                      |
| TEST SPECIFICATIONS                                                                                                      |                               | Test Method                                                                                 |                      |
| FCC 27:2022                                                                                                              |                               | ANSI C63.26:2015                                                                            |                      |
| COMMENTS                                                                                                                 |                               |                                                                                             |                      |
| Data Terminal Module (IMEI: 353338970545965)                                                                             |                               |                                                                                             |                      |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                 |                               |                                                                                             |                      |
| Spot check of out of band emissions based on worst case: FCC ID: R17LE910CXWWX (Band Edge Emissions at Antenna Terminal) |                               |                                                                                             |                      |
| Reference Level Offset = SMA pigtail + directional coupler + coax cable + 20 dB attenuator + DC block                    |                               |                                                                                             |                      |
| DEVIATIONS FROM TEST STANDARD                                                                                            |                               |                                                                                             |                      |
| None                                                                                                                     |                               |                                                                                             |                      |
| Configuration #                                                                                                          | 1                             | Signature  |                      |
|                                                                                                                          | Frequency Range               | Max Value (dBm)                                                                             | Limit ≤ (dBm) Result |
| WCDMA Band IV (AWS-1700)                                                                                                 |                               |                                                                                             |                      |
|                                                                                                                          | Low Channel 1312, 1712.4 MHz  | 1                                                                                           | -26.5 -13 N/A        |
|                                                                                                                          | Low Channel 1312, 1712.4 MHz  | 2                                                                                           | -23.21 -13 N/A       |
|                                                                                                                          | Low Channel 1312, 1712.4 MHz  | 3                                                                                           | -23.14 -13 N/A       |
|                                                                                                                          | High Channel 1513, 1752.6 MHz | 1                                                                                           | -26.9 -13 N/A        |
|                                                                                                                          | High Channel 1513, 1752.6 MHz | 2                                                                                           | -27.77 -13 N/A       |
|                                                                                                                          | High Channel 1513, 1752.6 MHz | 3                                                                                           | -27.31 -13 N/A       |

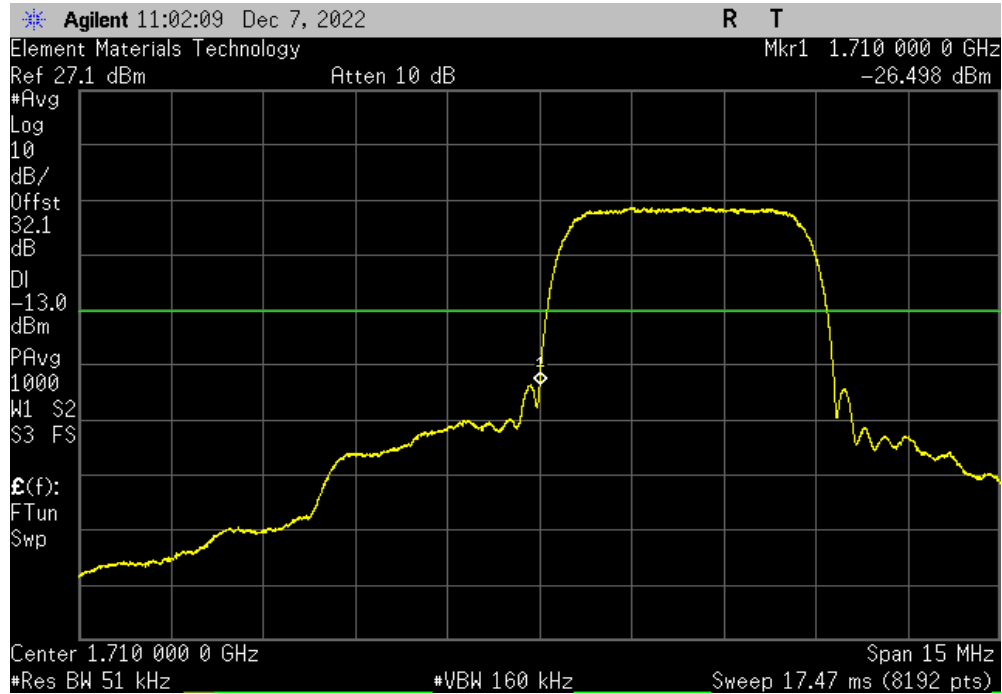


# OUT OF BAND EMISSIONS - WCDMA Band IV (AWS-1700)



Tel# 2022.06.03.0 XM# 2022.02.07.0

| WCDMA Band IV (AWS-1700), Low Channel 1312, 1712.4 MHz |  |  |  |                 |               |        |
|--------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                        |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                      |  |  |  | -26.5           | -13           | N/A    |



| WCDMA Band IV (AWS-1700), Low Channel 1312, 1712.4 MHz |  |  |  |                 |               |        |
|--------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                        |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                      |  |  |  | -23.21          | -13           | N/A    |

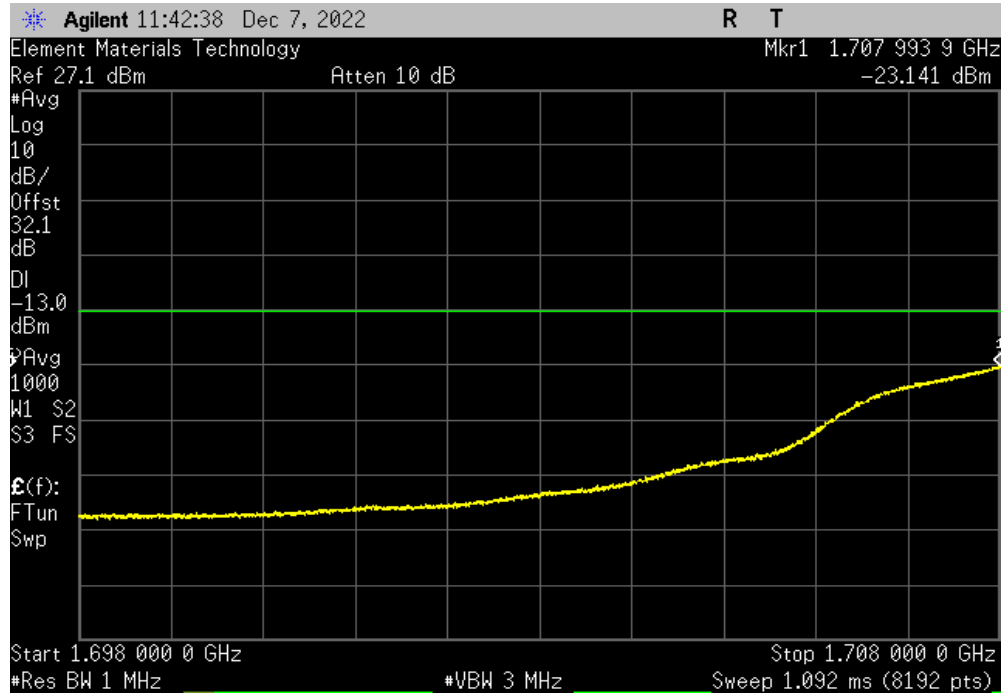


# OUT OF BAND EMISSIONS - WCDMA Band IV (AWS-1700)

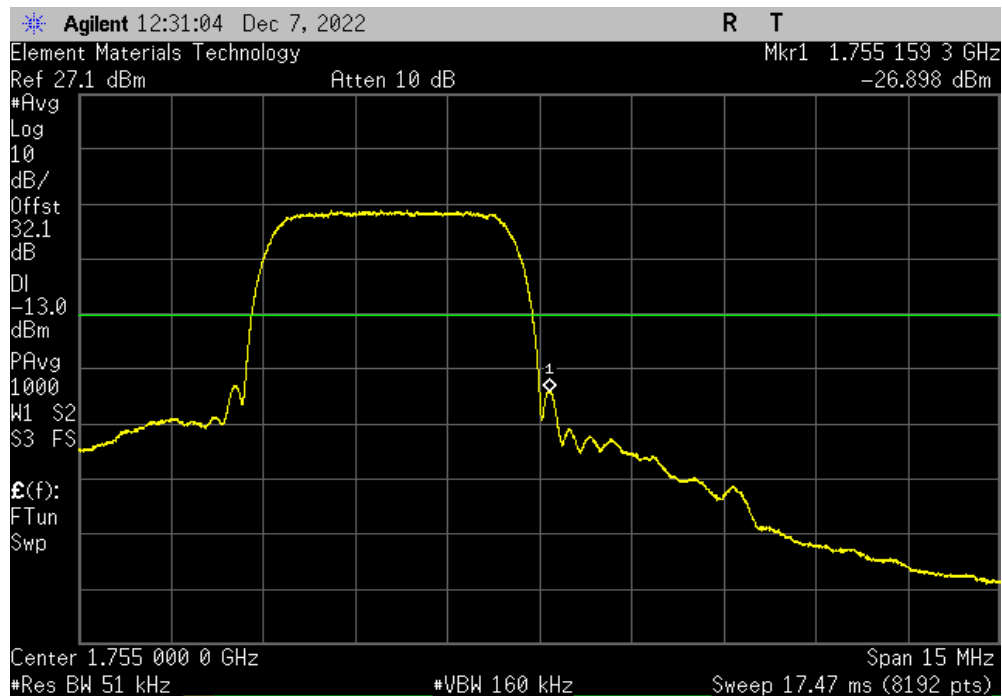


TMTx 2022.06.03.0 XMR 2022.02.07.0

| WCDMA Band IV (AWS-1700), Low Channel 1312, 1712.4 MHz |  |  |  |                 |               |        |
|--------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                        |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                      |  |  |  | -23.14          | -13           | N/A    |



| WCDMA Band IV (AWS-1700), High Channel 1513, 1752.6 MHz |  |  |  |                 |               |        |
|---------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                         |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                       |  |  |  | -26.9           | -13           | N/A    |

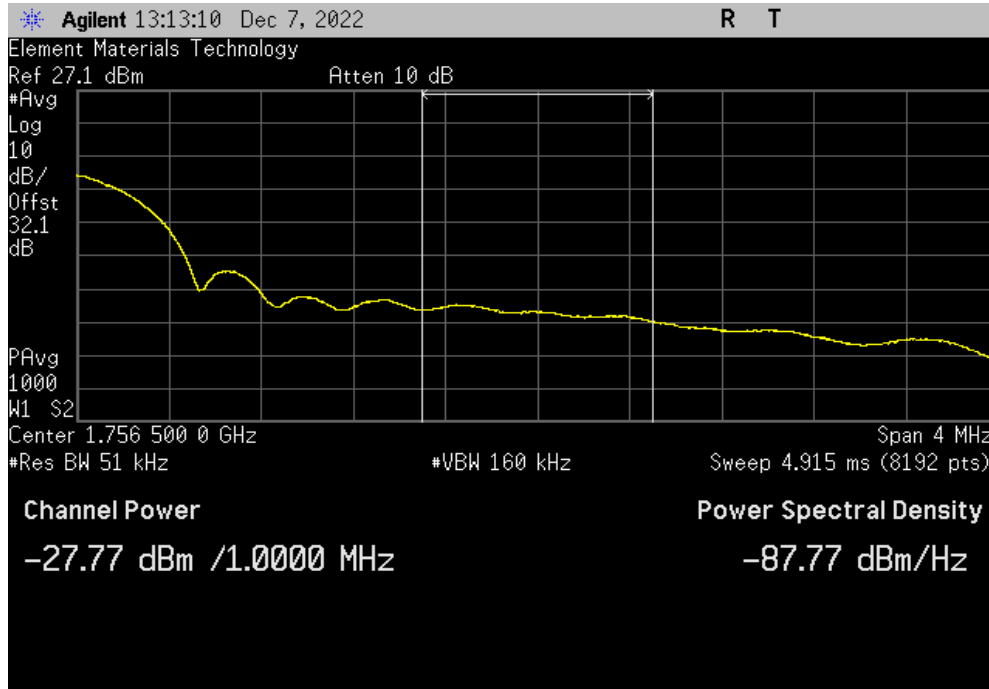


# OUT OF BAND EMISSIONS - WCDMA Band IV (AWS-1700)

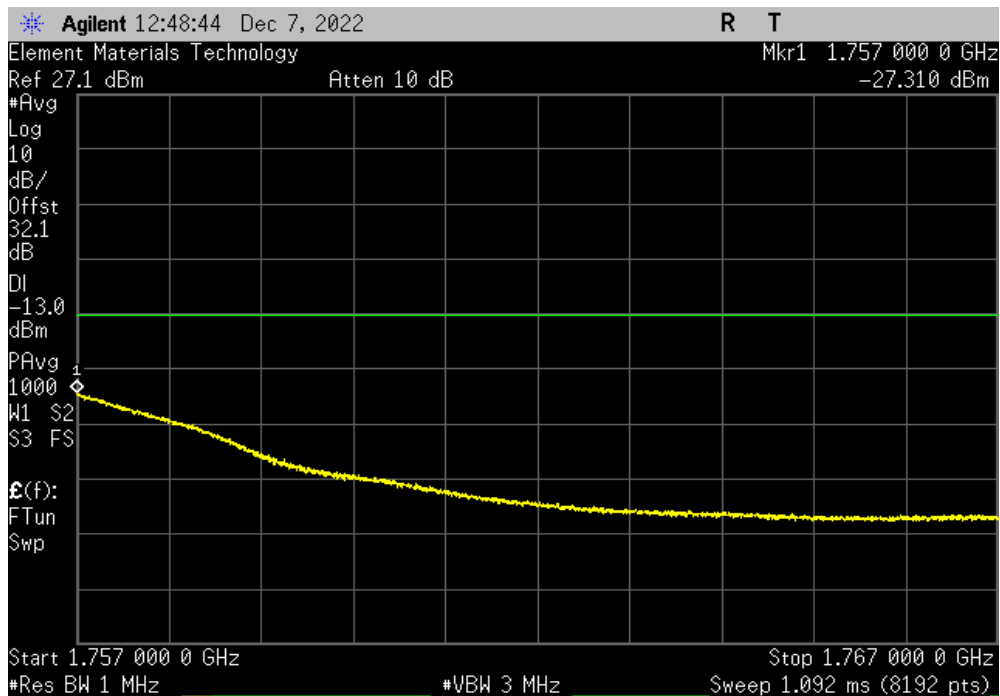


TUTx 2022.06.03.0 XMR 2022.02.07.0

| WCDMA Band IV (AWS-1700), High Channel 1513, 1752.6 MHz |  |  |  |                 |               |        |
|---------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                         |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                       |  |  |  | -27.77          | -13           | N/A    |



| WCDMA Band IV (AWS-1700), High Channel 1513, 1752.6 MHz |  |  |  |                 |               |        |
|---------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                         |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                       |  |  |  | -27.31          | -13           | N/A    |



# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13



ThruTV 2022.06.03.0 XMI 2022.02.07.0

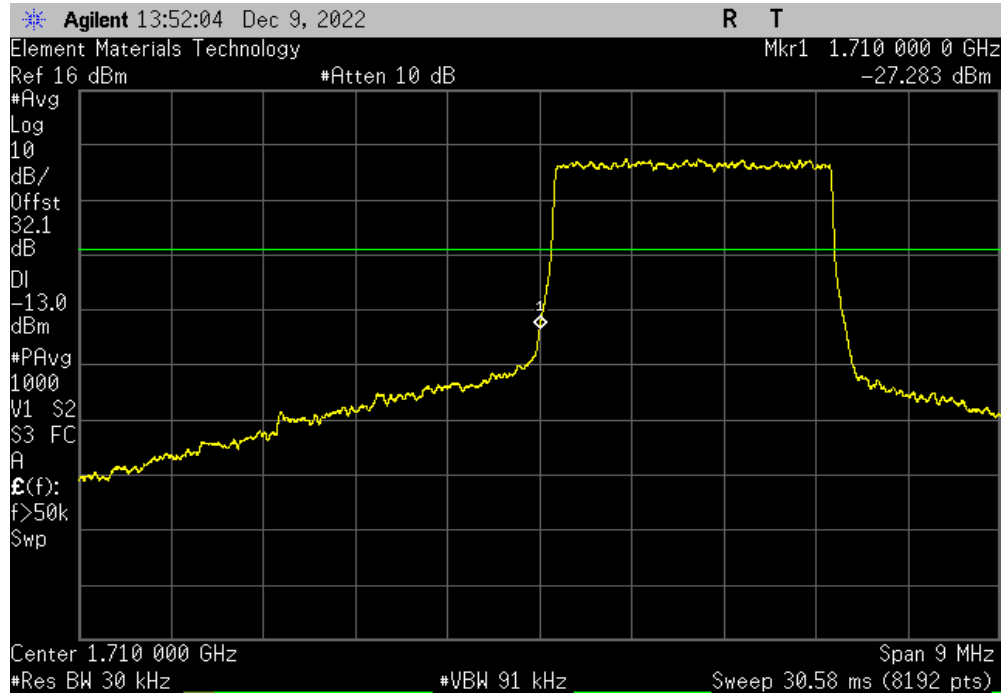
|                                                                                                                          |   |                                                                                             |                                      |
|--------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|--------------------------------------|
| EUT: LE910C4-WWX                                                                                                         |   | Work Order: TELI0004                                                                        |                                      |
| Serial Number: ENG Sample 1                                                                                              |   | Date: 12-Dec-22                                                                             |                                      |
| Customer: Telit Communications S.p.A.                                                                                    |   | Temperature: 19 °C                                                                          |                                      |
| Attendees: None                                                                                                          |   | Humidity: 49.6% RH                                                                          |                                      |
| Project: None                                                                                                            |   | Barometric Pres.: 1014 mbar                                                                 |                                      |
| Tested by: Nolan De Ramos                                                                                                |   | Job Site: OC13                                                                              |                                      |
| Power: 3.8VDC                                                                                                            |   |                                                                                             |                                      |
| TEST SPECIFICATIONS                                                                                                      |   | Test Method                                                                                 |                                      |
| FCC 27:2022                                                                                                              |   | ANSI C63.26:2015                                                                            |                                      |
| COMMENTS                                                                                                                 |   |                                                                                             |                                      |
| Data Terminal Module (IMEI: 353338970545965)                                                                             |   |                                                                                             |                                      |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                 |   |                                                                                             |                                      |
| Spot check of out of band emissions based on worst case: FCC ID: R17LE910CXWWX (Band Edge Emissions at Antenna Terminal) |   |                                                                                             |                                      |
| Reference Level Offset = SMA pigtail + directional coupler + coax cable + 20 dB attenuator + DC block                    |   |                                                                                             |                                      |
| DEVIATIONS FROM TEST STANDARD                                                                                            |   |                                                                                             |                                      |
| None                                                                                                                     |   |                                                                                             |                                      |
| Configuration #                                                                                                          | 1 | Signature  |                                      |
|                                                                                                                          |   | Frequency Range                                                                             | Max Value (dBm) Limit ≤ (dBm) Result |
| LTE Band 4                                                                                                               |   |                                                                                             |                                      |
| 3 MHz Bandwidth, QPSK, Full RB                                                                                           |   |                                                                                             |                                      |
|                                                                                                                          |   | Low Channel 19965, 1711.5 MHz                                                               | 1 -27.28 -13 Pass                    |
|                                                                                                                          |   | Low Channel 19965, 1711.5 MHz                                                               | 2 -24.94 -13 Pass                    |
|                                                                                                                          |   | Low Channel 19965, 1711.5 MHz                                                               | 3 -26.98 -13 Pass                    |
|                                                                                                                          |   | High Channel 20385, 1753.5 MHz                                                              | 1 -29.3 -13 Pass                     |
|                                                                                                                          |   | High Channel 20385, 1753.5 MHz                                                              | 2 -28.65 -13 Pass                    |
|                                                                                                                          |   | High Channel 20385, 1753.5 MHz                                                              | 3 -30.71 -13 Pass                    |
| LTE Band 12                                                                                                              |   |                                                                                             |                                      |
| 1.4 MHz Bandwidth, QPSK, Full RB                                                                                         |   |                                                                                             |                                      |
|                                                                                                                          |   | Low Channel 23017, 699.7 MHz                                                                | 1 -46.38 -13 Pass                    |
|                                                                                                                          |   | Low Channel 23017, 699.7 MHz                                                                | 2 -41.09 -13 Pass                    |
|                                                                                                                          |   | Low Channel 23017, 699.7 MHz                                                                | 3 -54.26 -13 Pass                    |
|                                                                                                                          |   | High Channel 23173, 715.3 MHz                                                               | 1 -30.14 -13 Pass                    |
|                                                                                                                          |   | High Channel 23173, 715.3 MHz                                                               | 2 -35.44 -13 Pass                    |
|                                                                                                                          |   | High Channel 23173, 715.3 MHz                                                               | 3 -49.66 -13 Pass                    |
| LTE Band 13                                                                                                              |   |                                                                                             |                                      |
| 5 MHz Bandwidth, QPSK, Full RB                                                                                           |   |                                                                                             |                                      |
|                                                                                                                          |   | Low Channel 23205, 779.5 MHz                                                                | 1 -24.42 -13 Pass                    |
|                                                                                                                          |   | Low Channel 23205, 779.5 MHz                                                                | 2 -32.88 -13 Pass                    |
|                                                                                                                          |   | Low Channel 23205, 779.5 MHz                                                                | 3 -47.14 -13 Pass                    |
|                                                                                                                          |   | High Channel 23255, 784.5 MHz                                                               | 1 -25.64 -13 Pass                    |
|                                                                                                                          |   | High Channel 23255, 784.5 MHz                                                               | 2 -27.22 -13 Pass                    |
|                                                                                                                          |   | High Channel 23255, 784.5 MHz                                                               | 3 -35.22 -13 Pass                    |

# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13

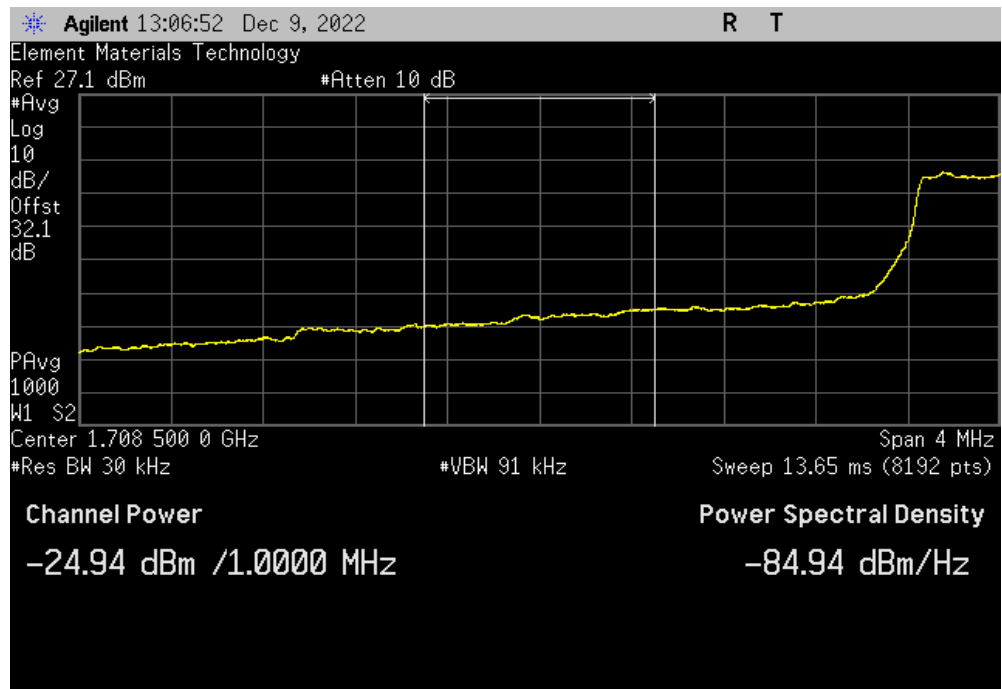


TelTel 2022.06.03.0 XM8 2022.02.07.0

| LTE Band 4, 3 MHz Bandwidth, QPSK, Full RB, Low Channel 19965, 1711.5 MHz |  |                 |               |        |  |  |
|---------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                           |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 1                                                                         |  | -27.28          | -13           | Pass   |  |  |



| LTE Band 4, 3 MHz Bandwidth, QPSK, Full RB, Low Channel 19965, 1711.5 MHz |  |                 |               |        |  |  |
|---------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                           |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 2                                                                         |  | -24.94          | -13           | Pass   |  |  |

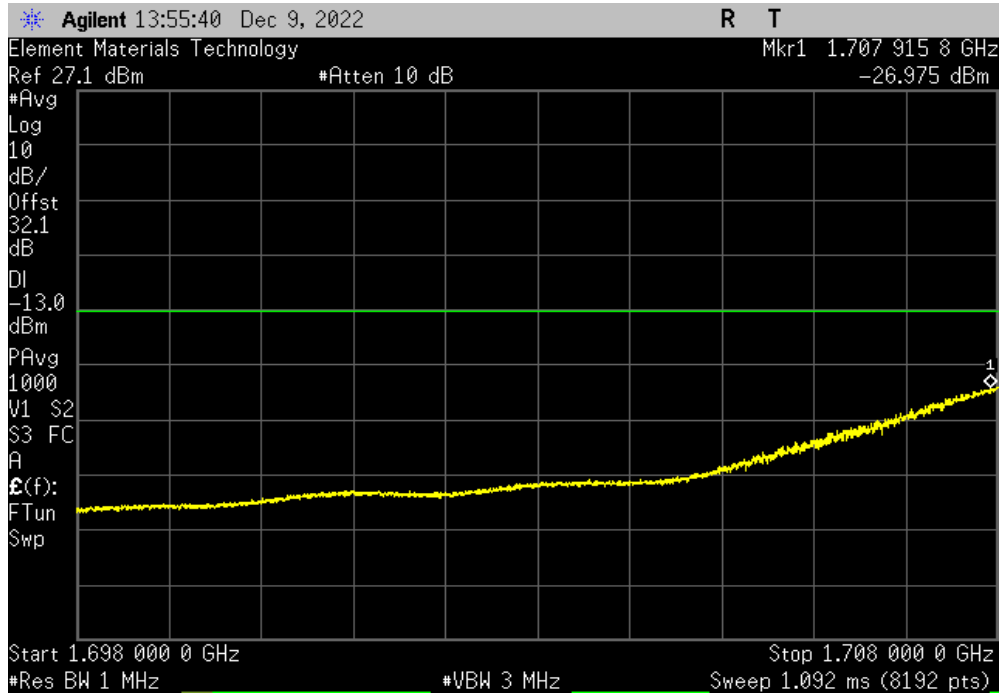


# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13

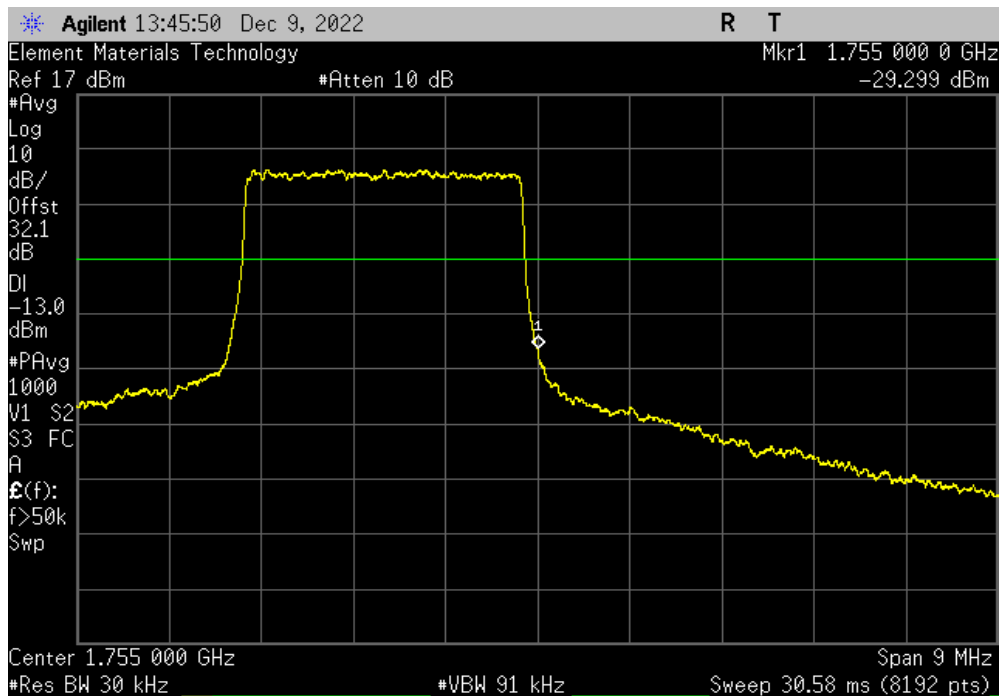


TMTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 4, 3 MHz Bandwidth, QPSK, Full RB, Low Channel 19965, 1711.5 MHz |                 |               |        |  |  |  |
|---------------------------------------------------------------------------|-----------------|---------------|--------|--|--|--|
| Frequency Range                                                           | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |  |
| 3                                                                         | -26.98          | -13           | Pass   |  |  |  |



| LTE Band 4, 3 MHz Bandwidth, QPSK, Full RB, High Channel 20385, 1753.5 MHz |                 |               |        |  |  |  |
|----------------------------------------------------------------------------|-----------------|---------------|--------|--|--|--|
| Frequency Range                                                            | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |  |
| 1                                                                          | -29.3           | -13           | Pass   |  |  |  |

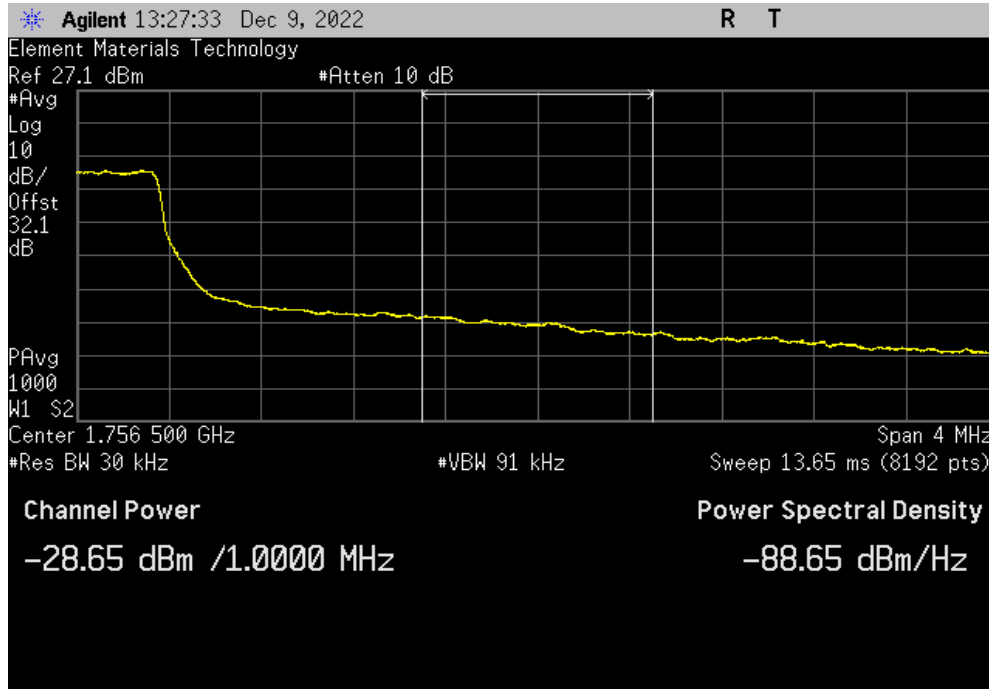


# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13

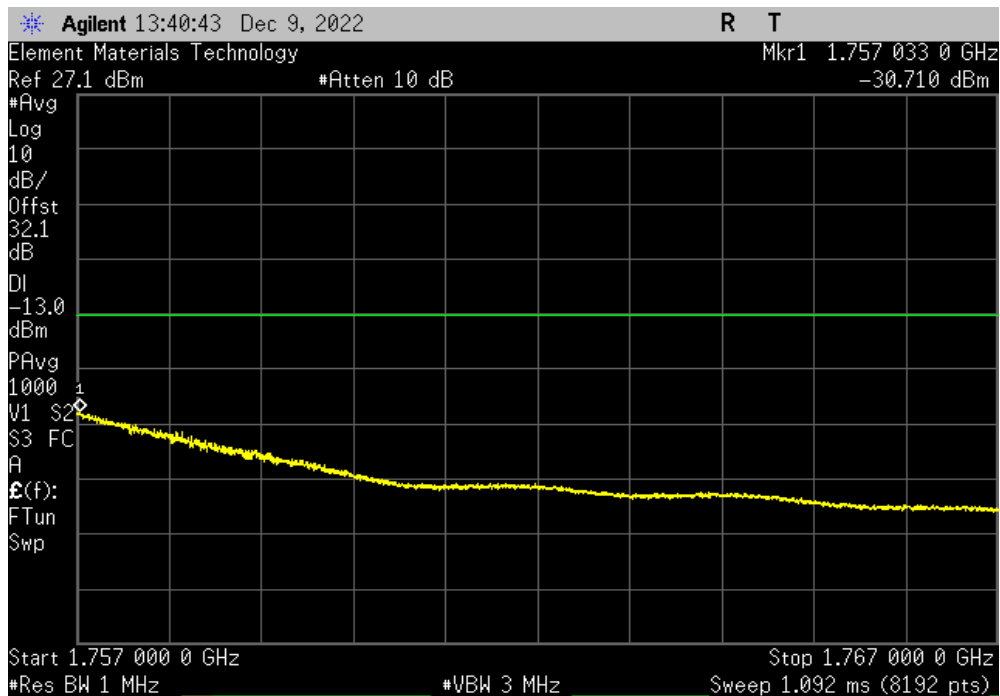


TbTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 4, 3 MHz Bandwidth, QPSK, Full RB, High Channel 20385, 1753.5 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                            |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 2                                                                          |  | -28.65          | -13           | Pass   |  |  |



| LTE Band 4, 3 MHz Bandwidth, QPSK, Full RB, High Channel 20385, 1753.5 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                            |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 3                                                                          |  | -30.71          | -13           | Pass   |  |  |

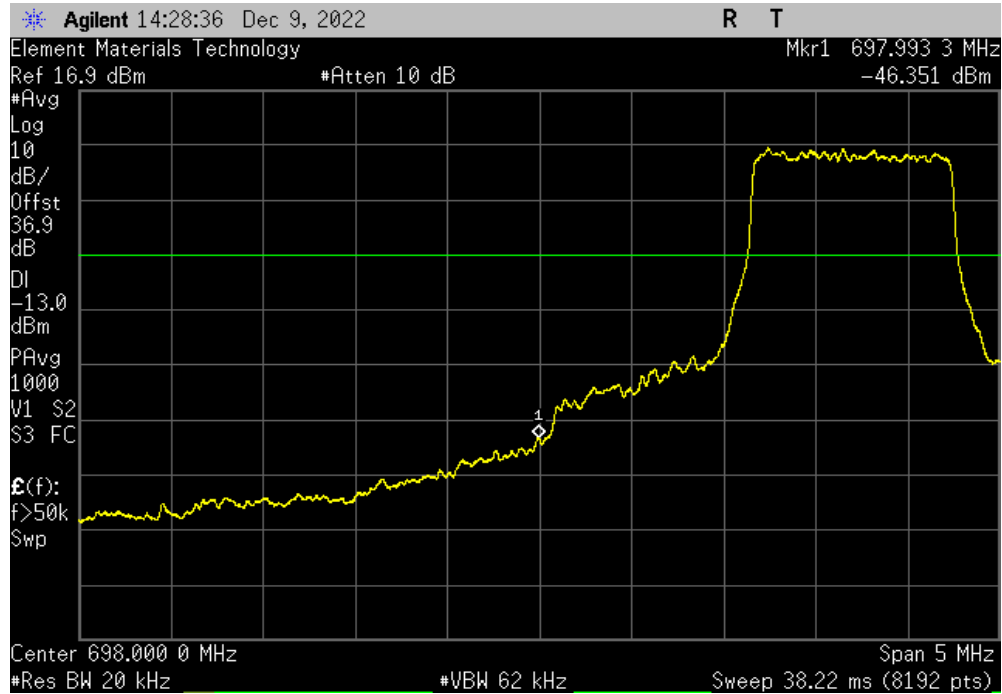


# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13

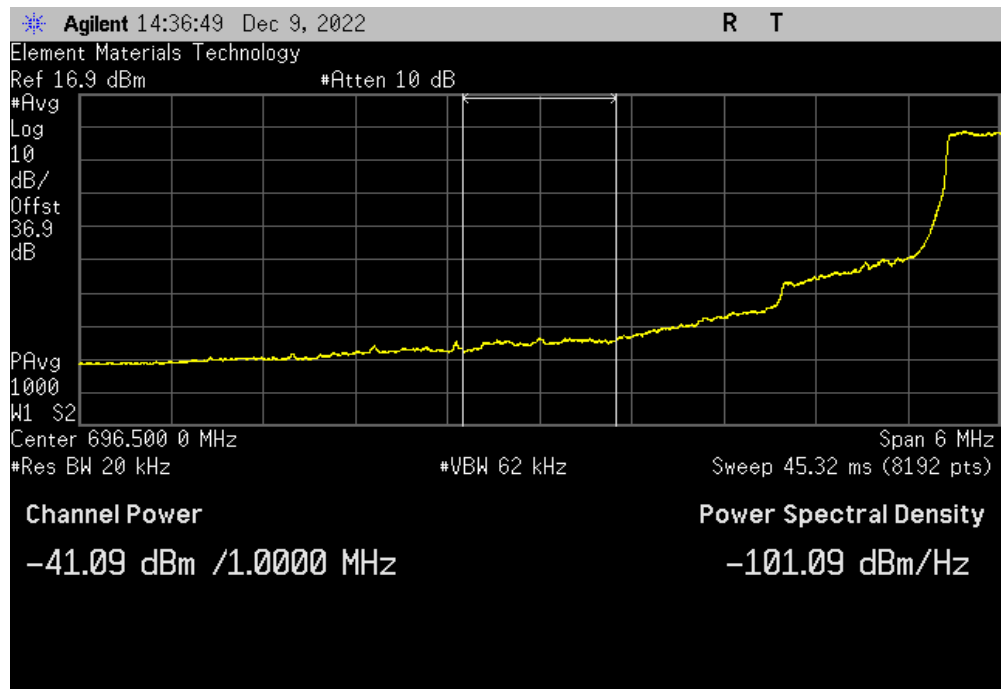


TMTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 12, 1.4 MHz Bandwidth, QPSK, Full RB, Low Channel 23017, 699.7 MHz |  |                 |               |        |  |  |
|-----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                             |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 1                                                                           |  | -46.38          | -13           | Pass   |  |  |



| LTE Band 12, 1.4 MHz Bandwidth, QPSK, Full RB, Low Channel 23017, 699.7 MHz |  |                 |               |        |  |  |
|-----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                             |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 2                                                                           |  | -41.09          | -13           | Pass   |  |  |



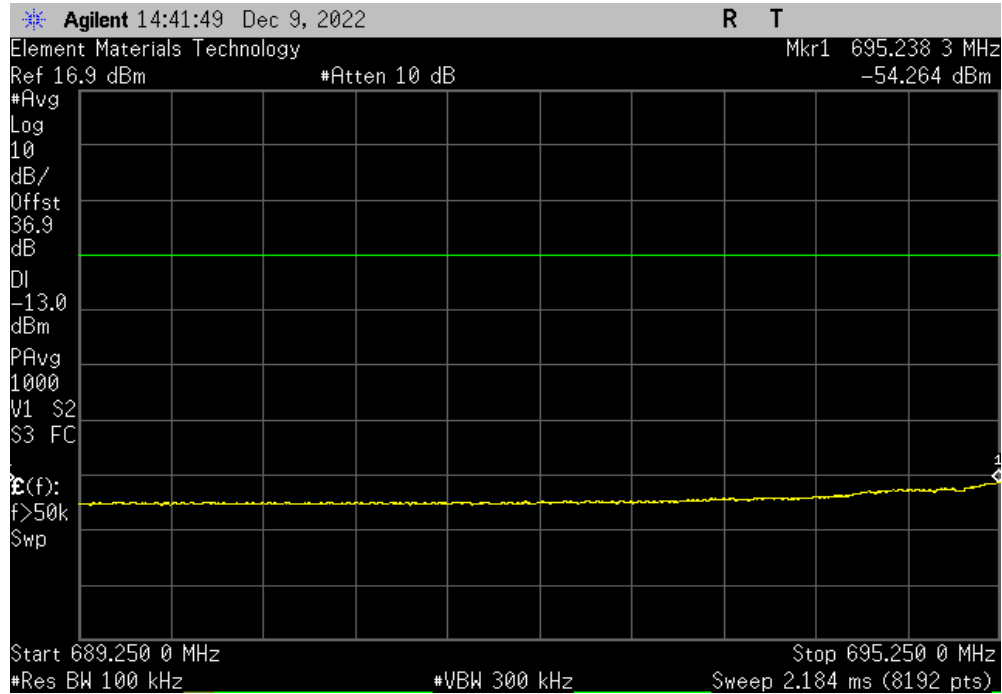


# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13

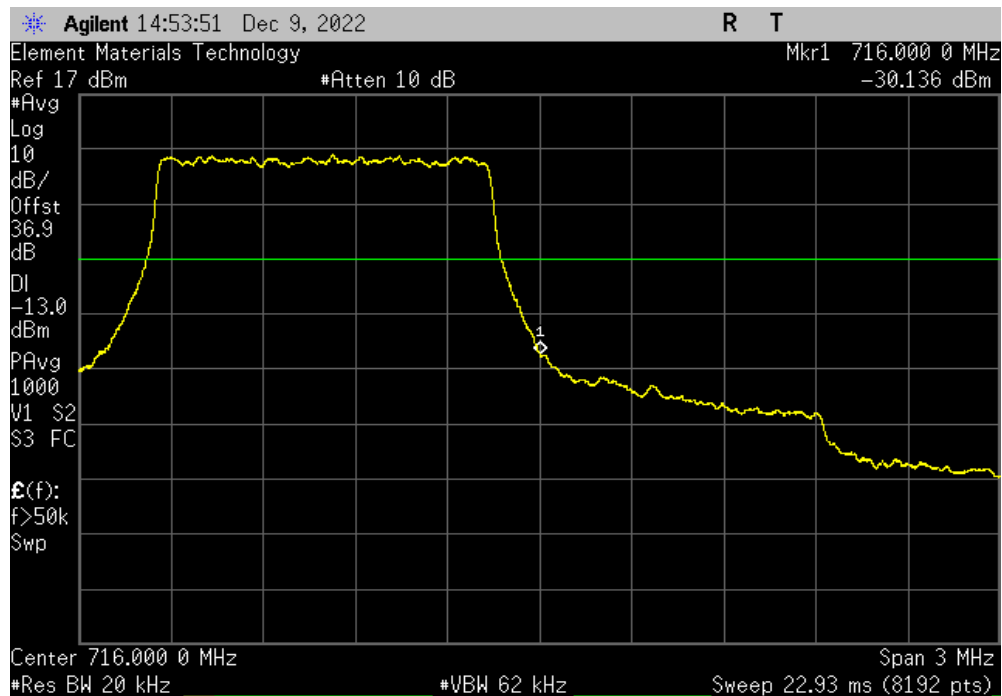


TMTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 12, 1.4 MHz Bandwidth, QPSK, Full RB, Low Channel 23017, 699.7 MHz |  |                 |               |        |  |  |
|-----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                             |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 3                                                                           |  | -54.26          | -13           | Pass   |  |  |



| LTE Band 12, 1.4 MHz Bandwidth, QPSK, Full RB, High Channel 23173, 715.3 MHz |  |                 |               |        |  |  |
|------------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                              |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 1                                                                            |  | -30.14          | -13           | Pass   |  |  |

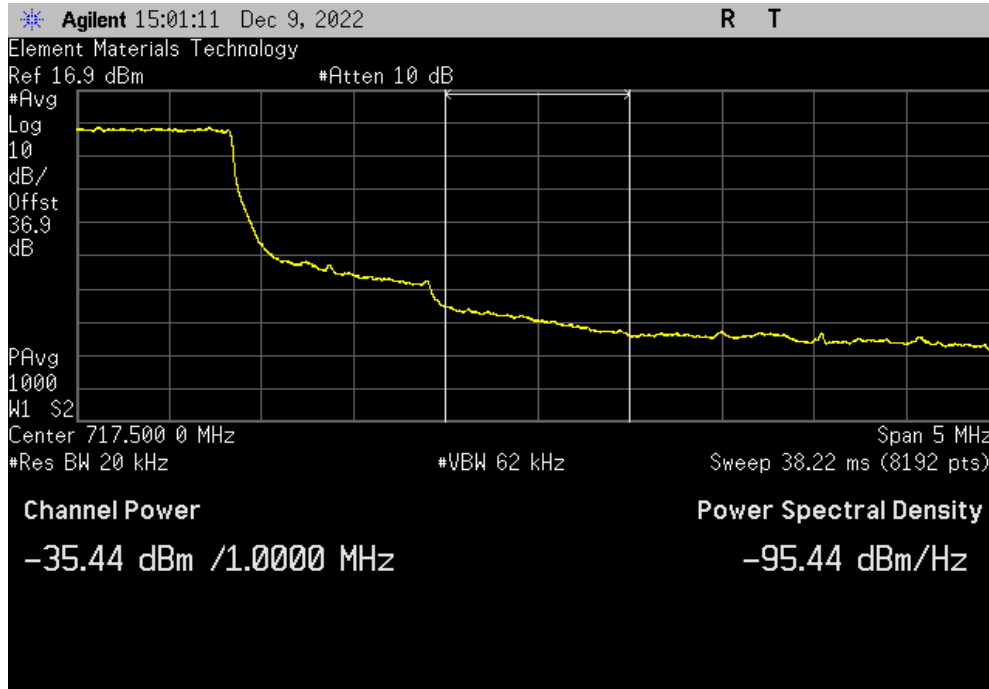


# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13

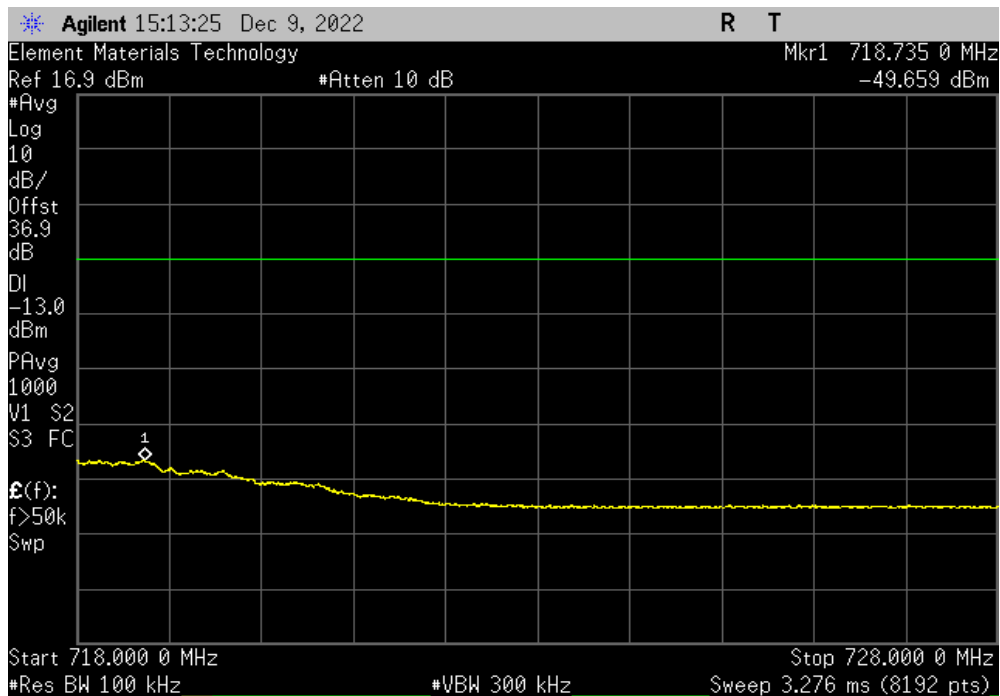


TMTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 12, 1.4 MHz Bandwidth, QPSK, Full RB, High Channel 23173, 715.3 MHz |  |                 |               |        |  |  |
|------------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                              |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 2                                                                            |  | -35.44          | -13           | Pass   |  |  |



| LTE Band 12, 1.4 MHz Bandwidth, QPSK, Full RB, High Channel 23173, 715.3 MHz |  |                 |               |        |  |  |
|------------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                              |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 3                                                                            |  | -49.66          | -13           | Pass   |  |  |

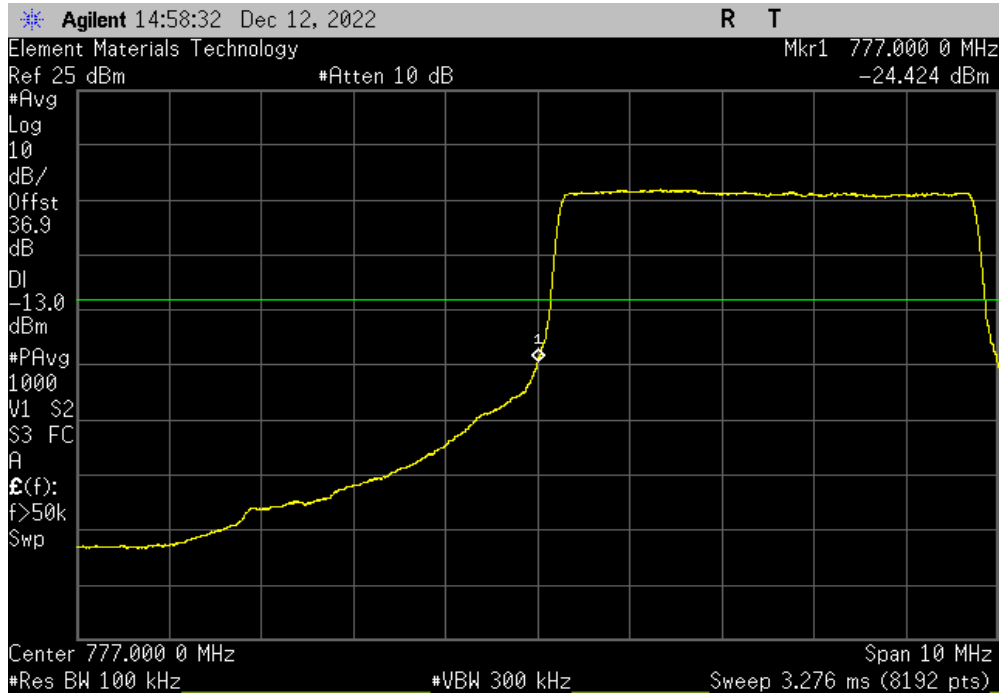


# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13

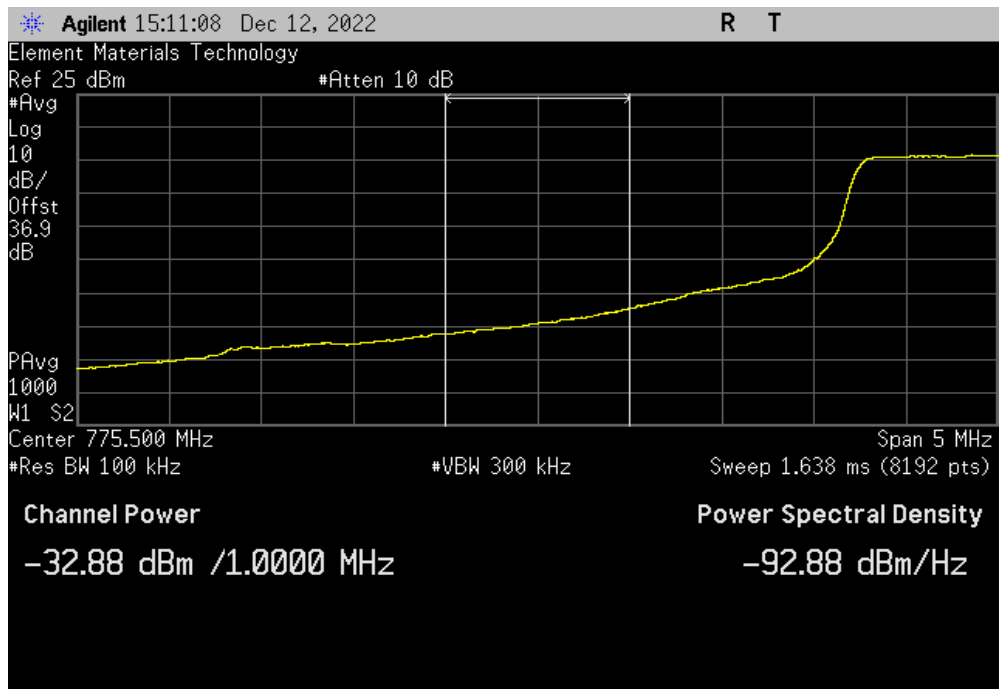


TUTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 13, 5 MHz Bandwidth, QPSK, Full RB, Low Channel 23205, 779.5 MHz |  |                 |  |               |  |        |
|---------------------------------------------------------------------------|--|-----------------|--|---------------|--|--------|
| Frequency Range                                                           |  | Max Value (dBm) |  | Limit ≤ (dBm) |  | Result |
| 1                                                                         |  | -24.42          |  | -13           |  | Pass   |



| LTE Band 13, 5 MHz Bandwidth, QPSK, Full RB, Low Channel 23205, 779.5 MHz |  |                 |  |               |  |        |
|---------------------------------------------------------------------------|--|-----------------|--|---------------|--|--------|
| Frequency Range                                                           |  | Max Value (dBm) |  | Limit ≤ (dBm) |  | Result |
| 2                                                                         |  | -32.88          |  | -13           |  | Pass   |

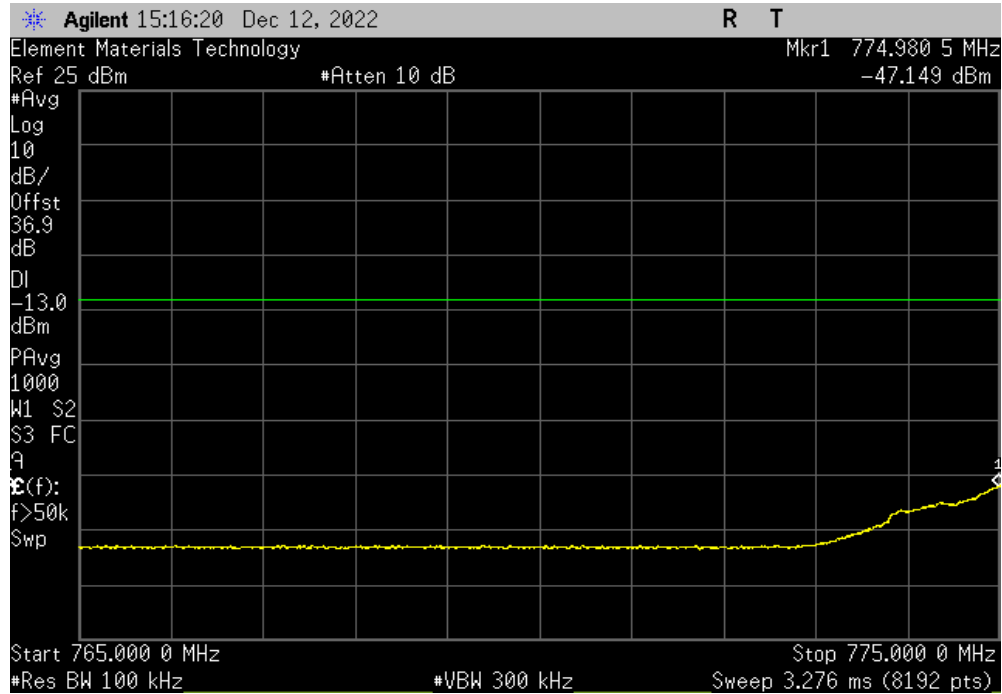


# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13

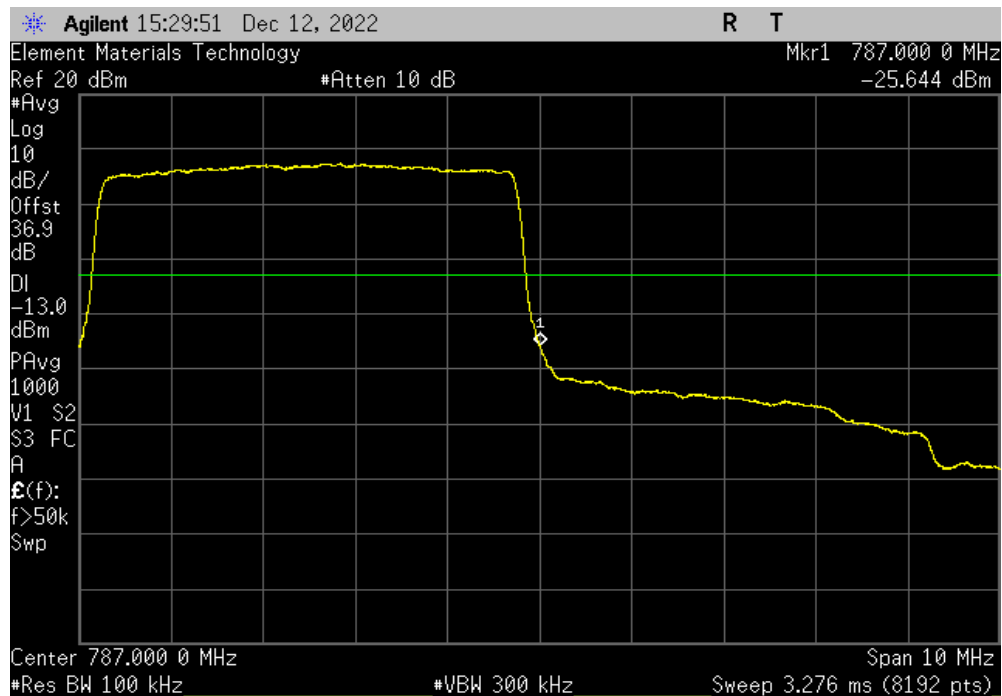


TelTel 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 13, 5 MHz Bandwidth, QPSK, Full RB, Low Channel 23205, 779.5 MHz |  |                 |               |        |  |  |
|---------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                           |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 3                                                                         |  | -47.14          | -13           | Pass   |  |  |



| LTE Band 13, 5 MHz Bandwidth, QPSK, Full RB, High Channel 23255, 784.5 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                            |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 1                                                                          |  | -25.64          | -13           | Pass   |  |  |

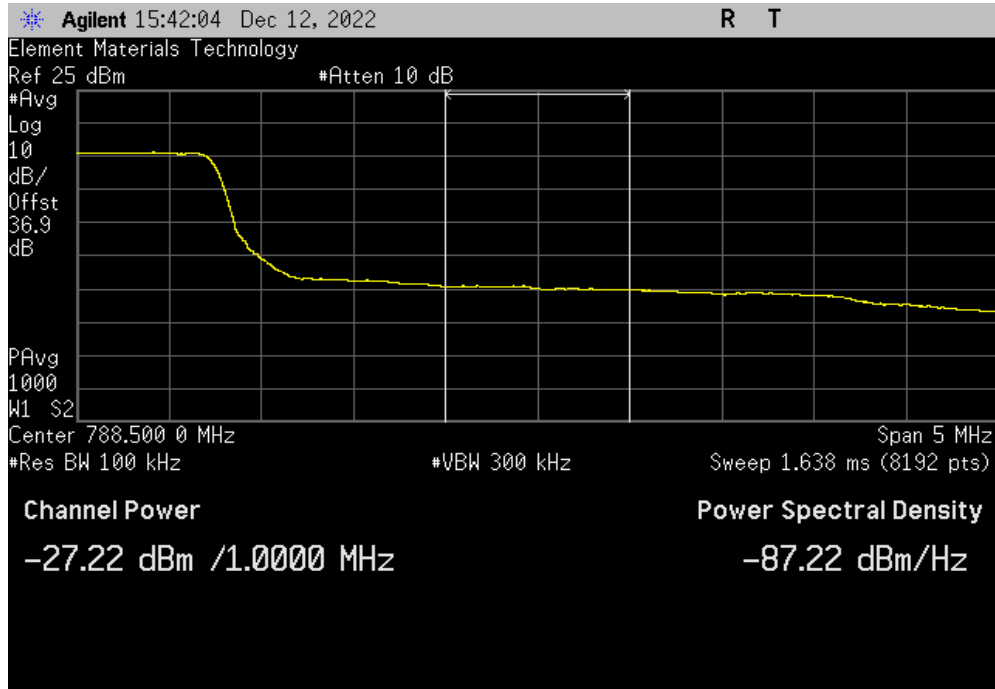


# OUT OF BAND EMISSIONS - LTE BAND 4, 12, & 13

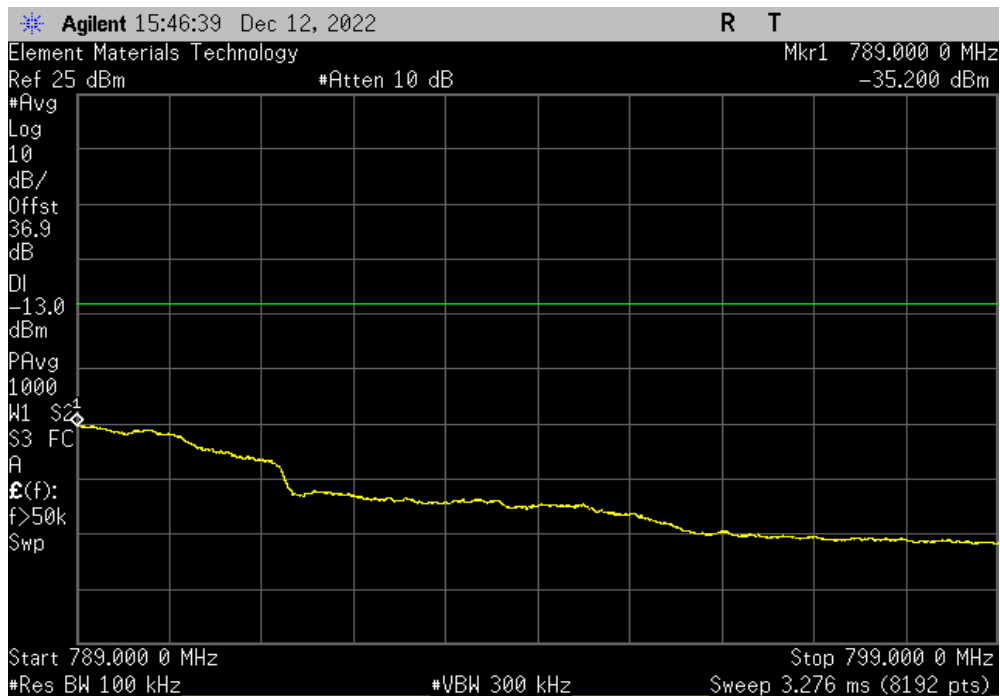


TUTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 13, 5 MHz Bandwidth, QPSK, Full RB, High Channel 23255, 784.5 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                            |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 2                                                                          |  | -27.22          | -13           | Pass   |  |  |



| LTE Band 13, 5 MHz Bandwidth, QPSK, Full RB, High Channel 23255, 784.5 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                            |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 3                                                                          |  | -35.22          | -13           | Pass   |  |  |



# OUT OF BAND EMISSIONS - LTE BAND 14



TbTx 2022.06.03.0 XMI 2022.02.07.0

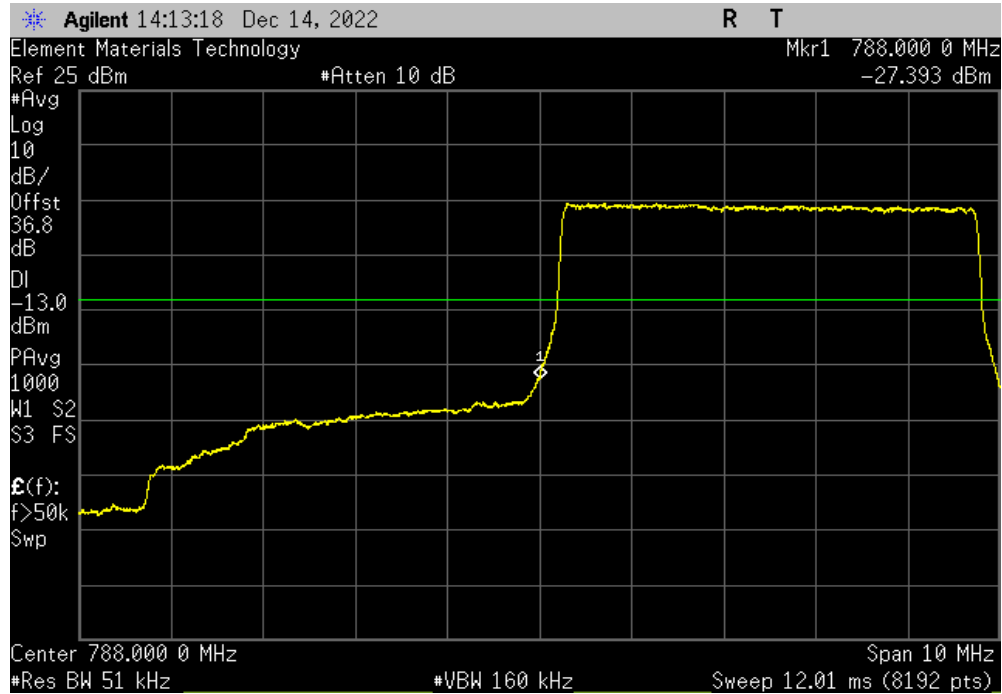
|                                                                                                                                                                                                                                                                                                                                                                  |                               |                                                                                             |                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------|
| EUT: LE910C4-WWX                                                                                                                                                                                                                                                                                                                                                 |                               | Work Order: TELI0004                                                                        |                                      |
| Serial Number: ENG Sample 1                                                                                                                                                                                                                                                                                                                                      |                               | Date: 13-Dec-22                                                                             |                                      |
| Customer: Telit Communications S.p.A.                                                                                                                                                                                                                                                                                                                            |                               | Temperature: 19 °C                                                                          |                                      |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                  |                               | Humidity: 49.6% RH                                                                          |                                      |
| Project: None                                                                                                                                                                                                                                                                                                                                                    |                               | Barometric Pres.: 1014 mbar                                                                 |                                      |
| Tested by: Nolan De Ramos                                                                                                                                                                                                                                                                                                                                        |                               | Power: 3.8VDC                                                                               |                                      |
|                                                                                                                                                                                                                                                                                                                                                                  |                               | Job Site: OC13                                                                              |                                      |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                              |                               | Test Method                                                                                 |                                      |
| FCC 90R:2022                                                                                                                                                                                                                                                                                                                                                     |                               | ANSI C63.26:2015                                                                            |                                      |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                         |                               |                                                                                             |                                      |
| <p>Data Terminal Module (IMEI: 353338970545965)</p> <p>Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0</p> <p>Spot check of out of band emissions based on worst case: FCC ID: RI7LE910CXWWX (Band Edge Emissions at Antenna Terminal)</p> <p>Reference Level Offset = SMA pigtail + directional coupler + coax cable + 20 dB attenuator + DC block</p> |                               |                                                                                             |                                      |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                    |                               |                                                                                             |                                      |
| None                                                                                                                                                                                                                                                                                                                                                             |                               |                                                                                             |                                      |
| Configuration #                                                                                                                                                                                                                                                                                                                                                  | 1                             | Signature  |                                      |
|                                                                                                                                                                                                                                                                                                                                                                  |                               | Frequency Range                                                                             | Max Value (dBm) Limit ≤ (dBm) Result |
| LTE Band 14                                                                                                                                                                                                                                                                                                                                                      |                               |                                                                                             |                                      |
| 5 MHz Bandwidth, QPSK, Full RB                                                                                                                                                                                                                                                                                                                                   |                               |                                                                                             |                                      |
|                                                                                                                                                                                                                                                                                                                                                                  | Low Channel 23305, 790.5 MHz  | 1                                                                                           | -27.39 -13 Pass                      |
|                                                                                                                                                                                                                                                                                                                                                                  | Low Channel 23305, 790.5 MHz  | 2                                                                                           | -21.86 -13 Pass                      |
|                                                                                                                                                                                                                                                                                                                                                                  | Low Channel 23305, 790.5 MHz  | 3                                                                                           | -31.79 -13 Pass                      |
|                                                                                                                                                                                                                                                                                                                                                                  | Low Channel 23305, 790.5 MHz  | 4                                                                                           | -69.34 -13 Pass                      |
|                                                                                                                                                                                                                                                                                                                                                                  | High Channel 23355, 795.5 MHz | 1                                                                                           | -30.26 -13 Pass                      |
|                                                                                                                                                                                                                                                                                                                                                                  | High Channel 23355, 795.5 MHz | 2                                                                                           | -44.89 -13 Pass                      |

# OUT OF BAND EMISSIONS - LTE BAND 14

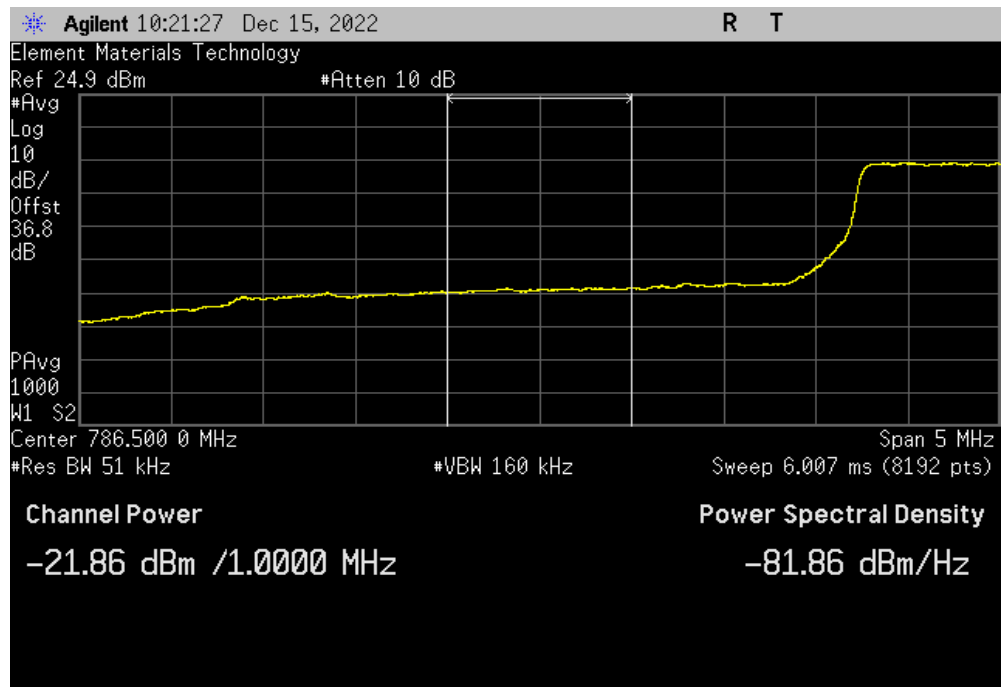


TMTx 2022.06.03.0 XMt 2022.02.07.0

| LTE Band 14, 5 MHz Bandwidth, QPSK, Full RB, Low Channel 23305, 790.5 MHz |  |                 |  |               |  |        |
|---------------------------------------------------------------------------|--|-----------------|--|---------------|--|--------|
| Frequency Range                                                           |  | Max Value (dBm) |  | Limit ≤ (dBm) |  | Result |
| 1                                                                         |  | -27.39          |  | -13           |  | Pass   |



| LTE Band 14, 5 MHz Bandwidth, QPSK, Full RB, Low Channel 23305, 790.5 MHz |  |                 |  |               |  |        |
|---------------------------------------------------------------------------|--|-----------------|--|---------------|--|--------|
| Frequency Range                                                           |  | Max Value (dBm) |  | Limit ≤ (dBm) |  | Result |
| 2                                                                         |  | -21.86          |  | -13           |  | Pass   |

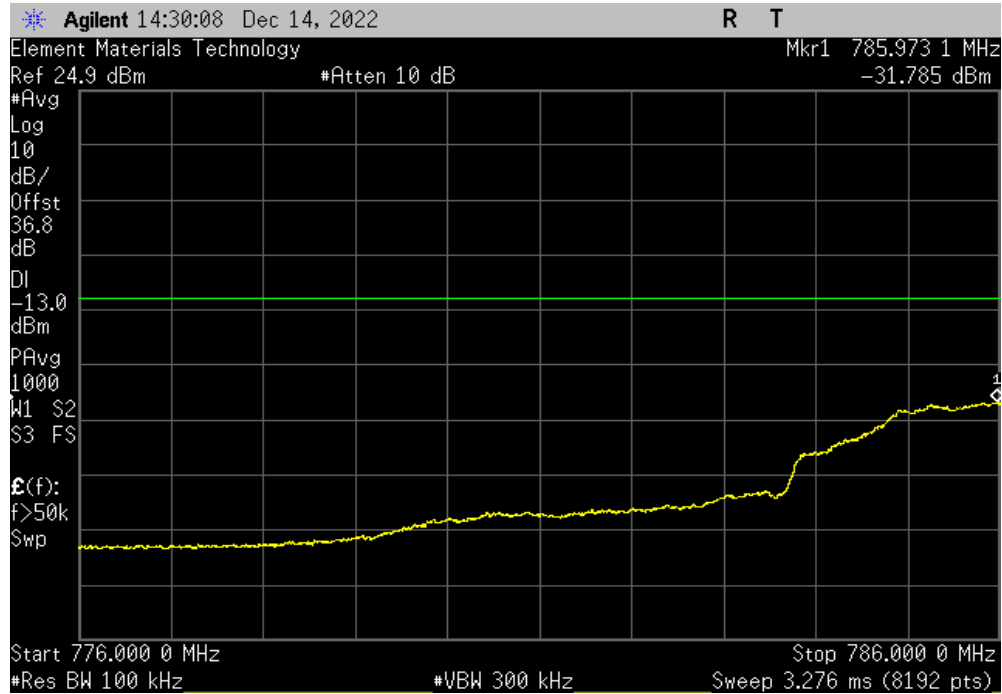


# OUT OF BAND EMISSIONS - LTE BAND 14

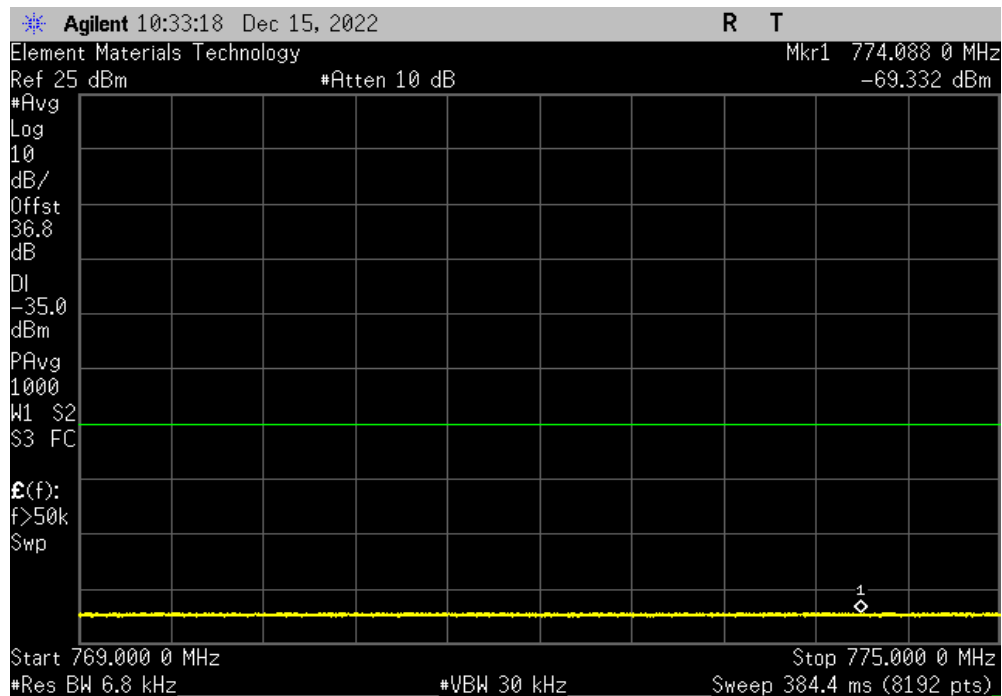


TUTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 14, 5 MHz Bandwidth, QPSK, Full RB, Low Channel 23305, 790.5 MHz |  |                 |               |        |  |  |
|---------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                           |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 3                                                                         |  | -31.79          | -13           | Pass   |  |  |



| LTE Band 14, 5 MHz Bandwidth, QPSK, Full RB, Low Channel 23305, 790.5 MHz |  |                 |               |        |  |  |
|---------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                           |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 4                                                                         |  | -69.34          | -13           | Pass   |  |  |



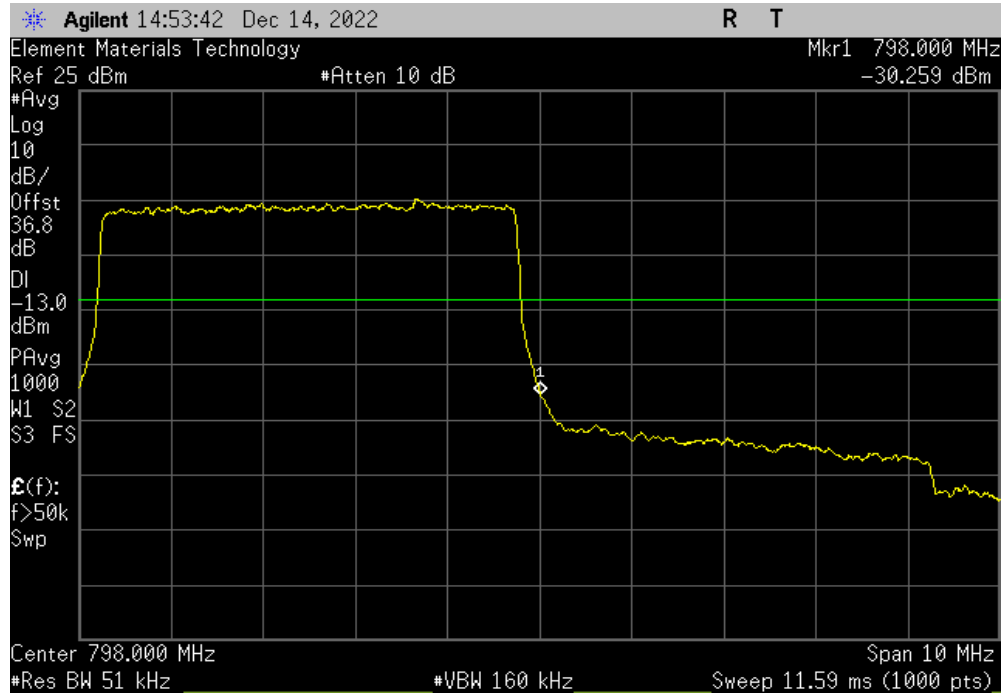


# OUT OF BAND EMISSIONS - LTE BAND 14

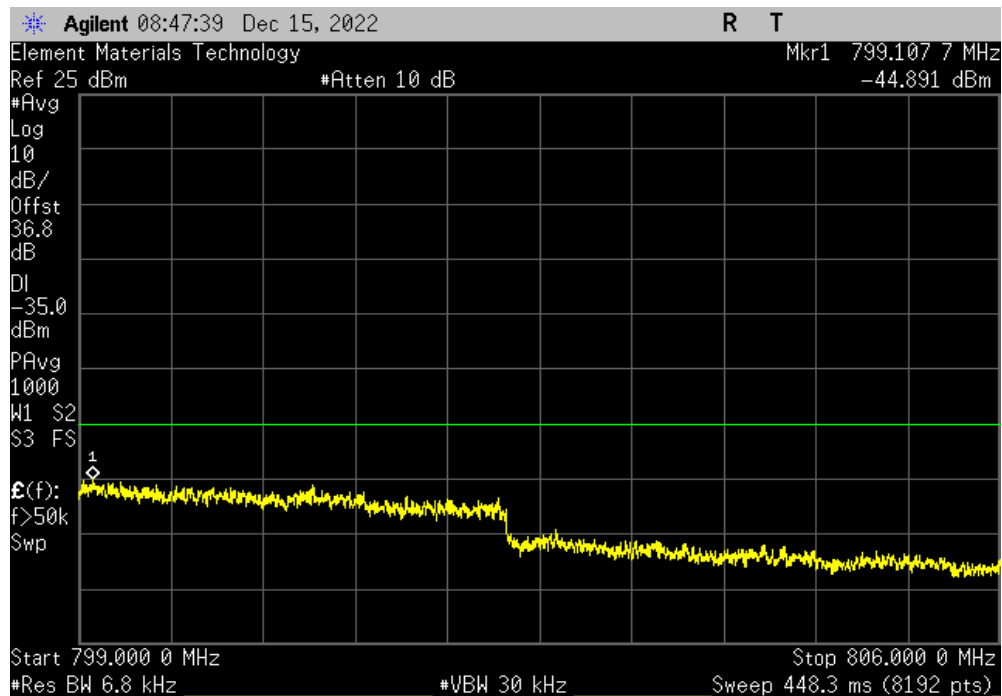


TelTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 14, 5 MHz Bandwidth, QPSK, Full RB, High Channel 23355, 795.5 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                            |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 1                                                                          |  | -30.26          | -13           | Pass   |  |  |



| LTE Band 14, 5 MHz Bandwidth, QPSK, Full RB, High Channel 23355, 795.5 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                            |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 2                                                                          |  | -44.89          | -13           | Pass   |  |  |



# OUT OF BAND EMISSIONS - LTE BAND 25/2



TbTx 2022.06.03.0 XMI 2022.02.07.0

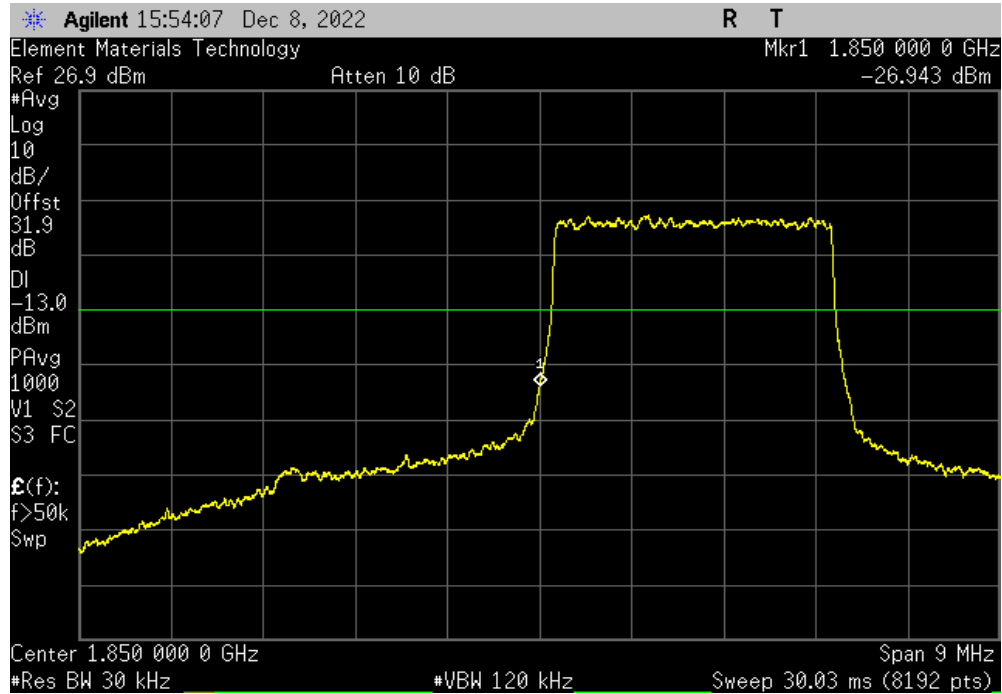
|                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                             |                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|--------------------------------------|
| EUT: LE910C4-WWX                                                                                                                                                                                                                                                                                                                                                 |   | Work Order: TELI0004                                                                        |                                      |
| Serial Number: ENG Sample 1                                                                                                                                                                                                                                                                                                                                      |   | Date: 8-Dec-22                                                                              |                                      |
| Customer: Telit Communications S.p.A.                                                                                                                                                                                                                                                                                                                            |   | Temperature: 19.3 °C                                                                        |                                      |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                  |   | Humidity: 48.4% RH                                                                          |                                      |
| Project: None                                                                                                                                                                                                                                                                                                                                                    |   | Barometric Pres.: 1025 mbar                                                                 |                                      |
| Tested by: Nolan De Ramos                                                                                                                                                                                                                                                                                                                                        |   | Power: 3.8VDC                                                                               |                                      |
|                                                                                                                                                                                                                                                                                                                                                                  |   | Job Site: OC13                                                                              |                                      |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                              |   | Test Method                                                                                 |                                      |
| FCC 24E:2022                                                                                                                                                                                                                                                                                                                                                     |   | ANSI C63.26:2015                                                                            |                                      |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                         |   |                                                                                             |                                      |
| <p>Data Terminal Module (IMEI: 353338970545965)</p> <p>Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0</p> <p>Spot check of out of band emissions based on worst case: FCC ID: R17LE910CXWWX (Band Edge Emissions at Antenna Terminal)</p> <p>Reference Level Offset = SMA pigtail + directional coupler + coax cable + 20 dB attenuator + DC block</p> |   |                                                                                             |                                      |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                    |   |                                                                                             |                                      |
| None                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                             |                                      |
| Configuration #                                                                                                                                                                                                                                                                                                                                                  | 1 | Signature  |                                      |
|                                                                                                                                                                                                                                                                                                                                                                  |   | Frequency Range                                                                             | Max Value (dBm) Limit ≤ (dBm) Result |
| LTE Band 25/2                                                                                                                                                                                                                                                                                                                                                    |   |                                                                                             |                                      |
| 3 MHz Bandwidth, QPSK, Full RB                                                                                                                                                                                                                                                                                                                                   |   |                                                                                             |                                      |
|                                                                                                                                                                                                                                                                                                                                                                  |   | Low Channel 26055 (Band 25), 18615 (Band 2), 1851.5 MHz                                     | 1 -26.94 -13 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                  |   | Low Channel 26055 (Band 25), 18615 (Band 2), 1851.5 MHz                                     | 2 -27.01 -13 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                  |   | Low Channel 26055 (Band 25), 18615 (Band 2), 1851.5 MHz                                     | 3 -27.38 -13 Pass                    |
| LTE Band 2                                                                                                                                                                                                                                                                                                                                                       |   |                                                                                             |                                      |
| 3 MHz Bandwidth, QPSK, Full RB                                                                                                                                                                                                                                                                                                                                   |   |                                                                                             |                                      |
|                                                                                                                                                                                                                                                                                                                                                                  |   | High Channel 19185, 1908.5 MHz                                                              | 1 -27.46 -13 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                  |   | High Channel 19185, 1908.5 MHz                                                              | 2 -29.26 -13 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                  |   | High Channel 19185, 1908.5 MHz                                                              | 3 -30.32 -13 Pass                    |
| LTE Band 25                                                                                                                                                                                                                                                                                                                                                      |   |                                                                                             |                                      |
| 3 MHz Bandwidth, QPSK, Full RB                                                                                                                                                                                                                                                                                                                                   |   |                                                                                             |                                      |
|                                                                                                                                                                                                                                                                                                                                                                  |   | High Channel 26675, 1913.5 MHz                                                              | 1 -26.8 -13 Pass                     |
|                                                                                                                                                                                                                                                                                                                                                                  |   | High Channel 26675, 1913.5 MHz                                                              | 2 -25.91 -13 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                  |   | High Channel 26675, 1913.5 MHz                                                              | 3 -27.54 -13 Pass                    |

# OUT OF BAND EMISSIONS - LTE BAND 25/2

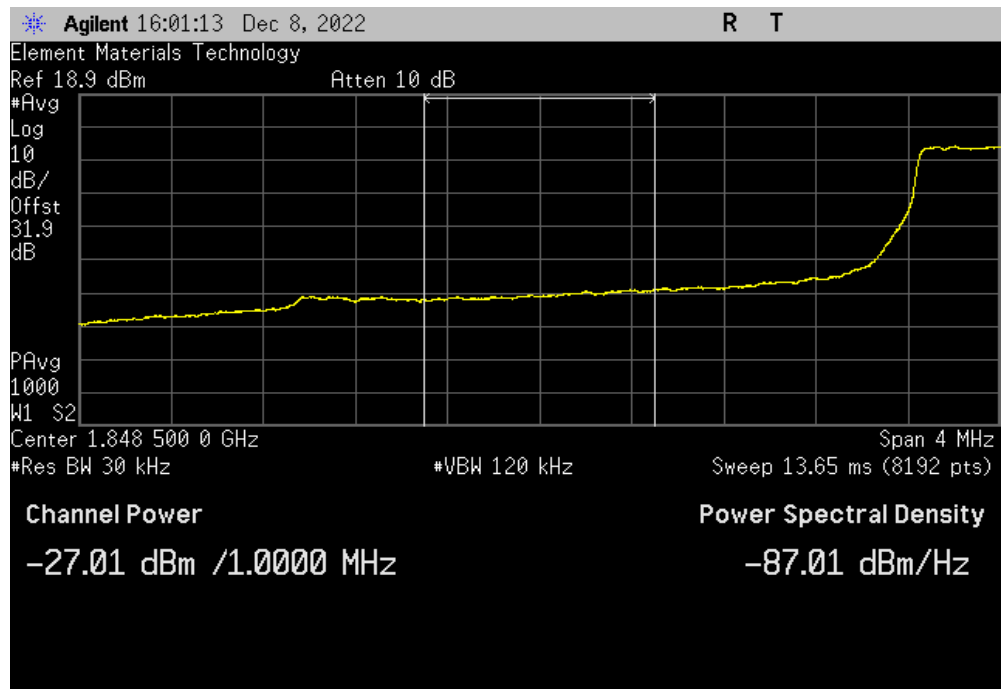


TMTx 2022.06.03.0 XMt 2022.02.07.0

| LTE Band 25/2, 3 MHz Bandwidth, QPSK, Full RB, Low Channel 26055 (Band 25), 18615 (Band 2), 1851.5 MHz |                 |               |        |  |  |  |
|--------------------------------------------------------------------------------------------------------|-----------------|---------------|--------|--|--|--|
| Frequency Range                                                                                        | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |  |
| 1                                                                                                      | -26.94          | -13           | Pass   |  |  |  |



| LTE Band 25/2, 3 MHz Bandwidth, QPSK, Full RB, Low Channel 26055 (Band 25), 18615 (Band 2), 1851.5 MHz |                 |               |        |  |  |  |
|--------------------------------------------------------------------------------------------------------|-----------------|---------------|--------|--|--|--|
| Frequency Range                                                                                        | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |  |
| 2                                                                                                      | -27.01          | -13           | Pass   |  |  |  |

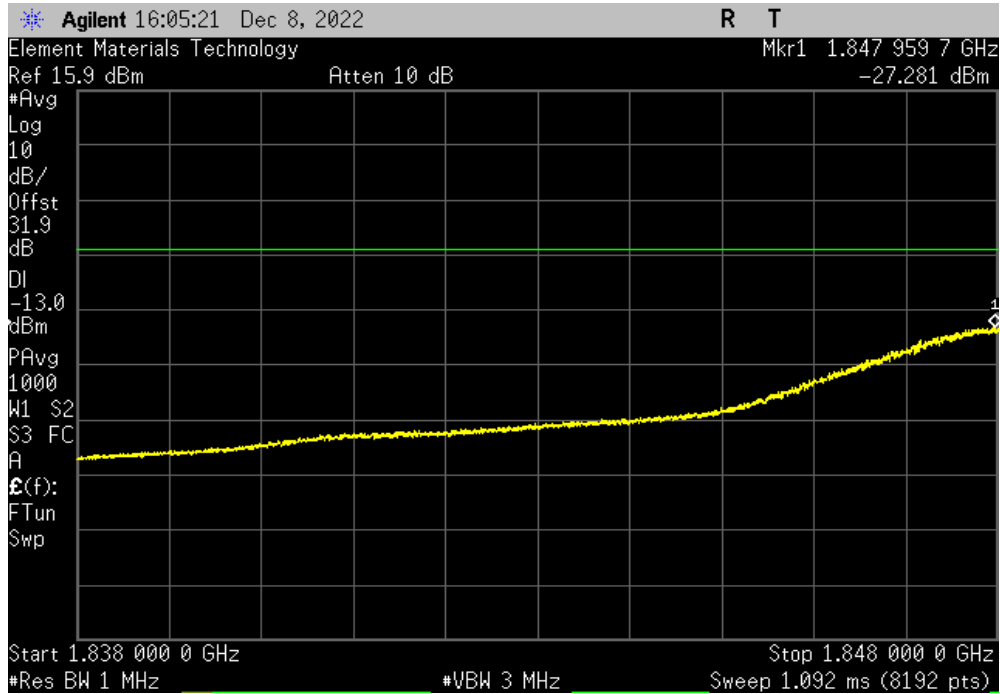


# OUT OF BAND EMISSIONS - LTE BAND 25/2

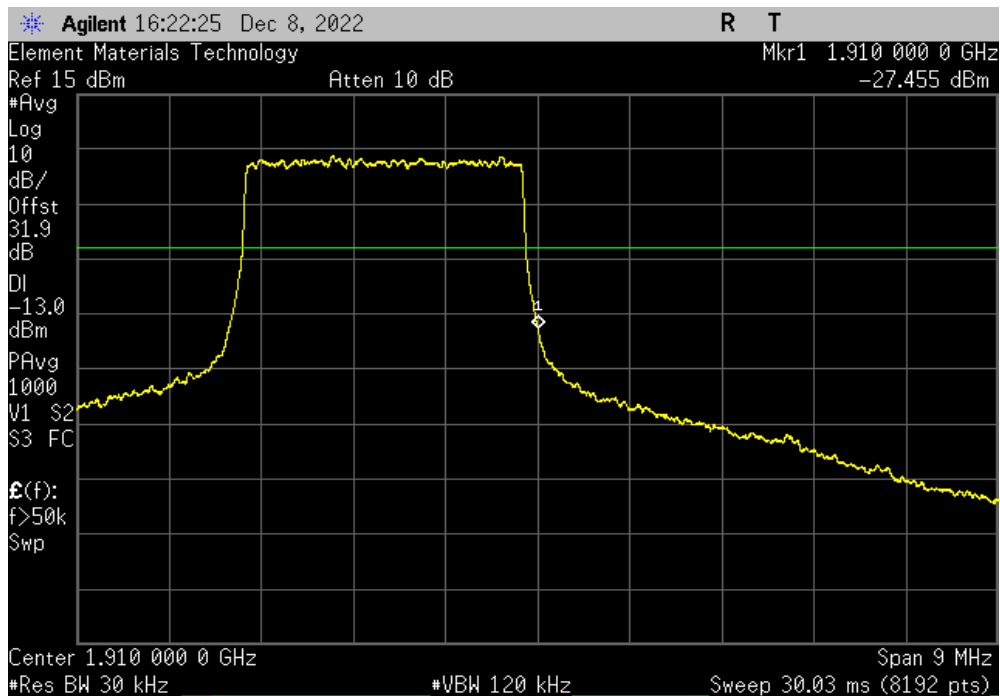


TMTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 25/2, 3 MHz Bandwidth, QPSK, Full RB, Low Channel 26055 (Band 25), 18615 (Band 2), 1851.5 MHz |                 |               |        |  |  |  |
|--------------------------------------------------------------------------------------------------------|-----------------|---------------|--------|--|--|--|
| Frequency Range                                                                                        | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |  |
| 3                                                                                                      | -27.38          | -13           | Pass   |  |  |  |



| LTE Band 2, 3 MHz Bandwidth, QPSK, Full RB, High Channel 19185, 1908.5 MHz |                 |               |        |  |  |  |
|----------------------------------------------------------------------------|-----------------|---------------|--------|--|--|--|
| Frequency Range                                                            | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |  |
| 1                                                                          | -27.46          | -13           | Pass   |  |  |  |

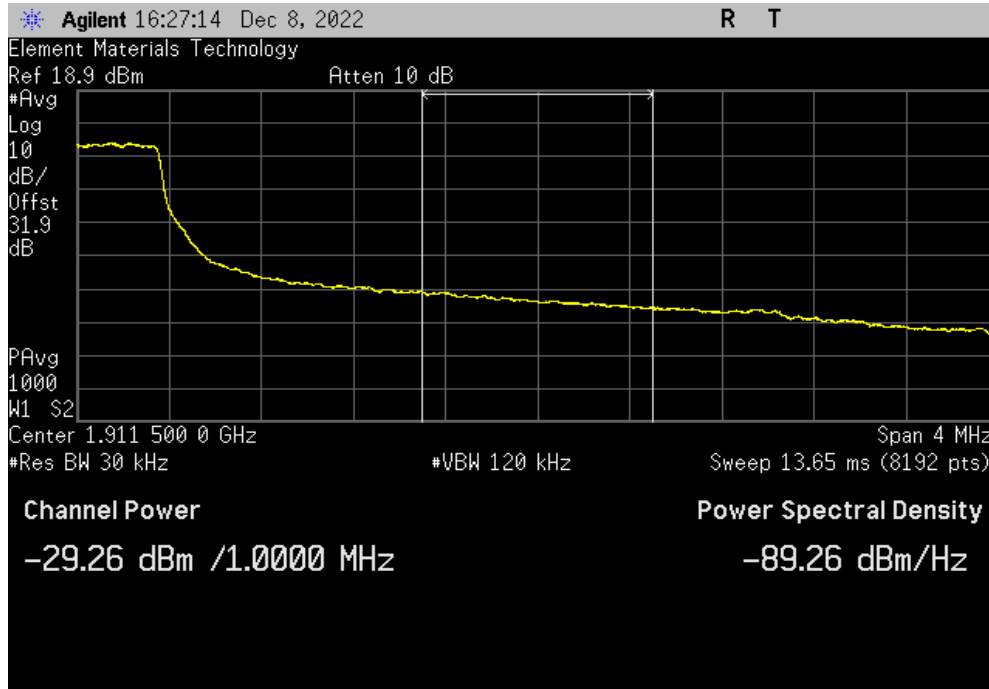


# OUT OF BAND EMISSIONS - LTE BAND 25/2

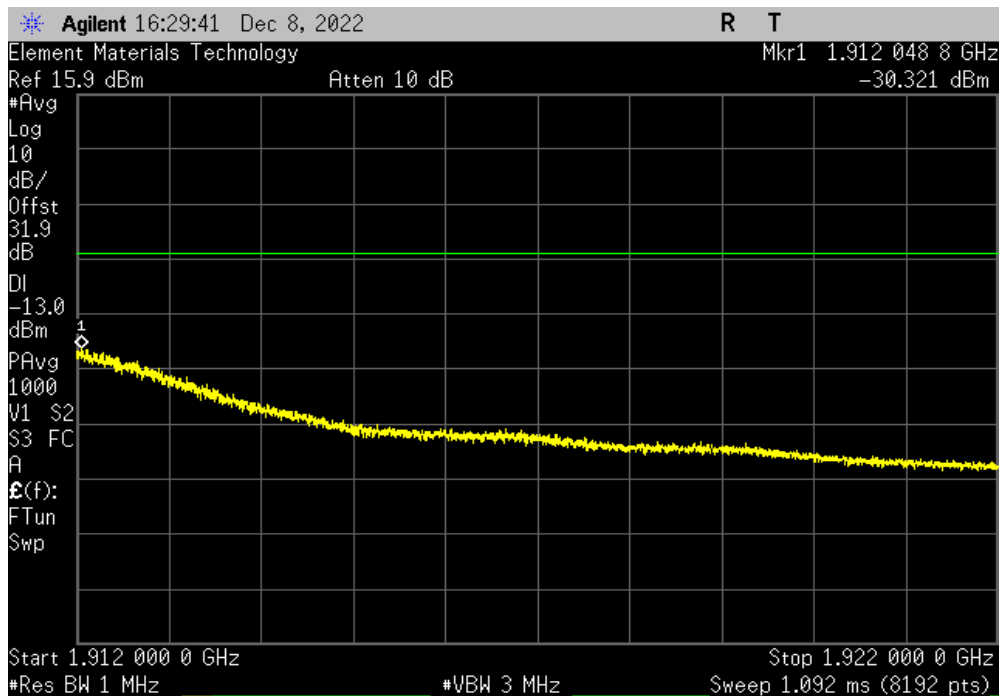


TbTx 2022.06.03.0 XbTx 2022.02.07.0

| LTE Band 2, 3 MHz Bandwidth, QPSK, Full RB, High Channel 19185, 1908.5 MHz |  |  |  |                 |               |        |
|----------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                            |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                                          |  |  |  | -29.26          | -13           | Pass   |



| LTE Band 2, 3 MHz Bandwidth, QPSK, Full RB, High Channel 19185, 1908.5 MHz |  |  |  |                 |               |        |
|----------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                            |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                                          |  |  |  | -30.32          | -13           | Pass   |

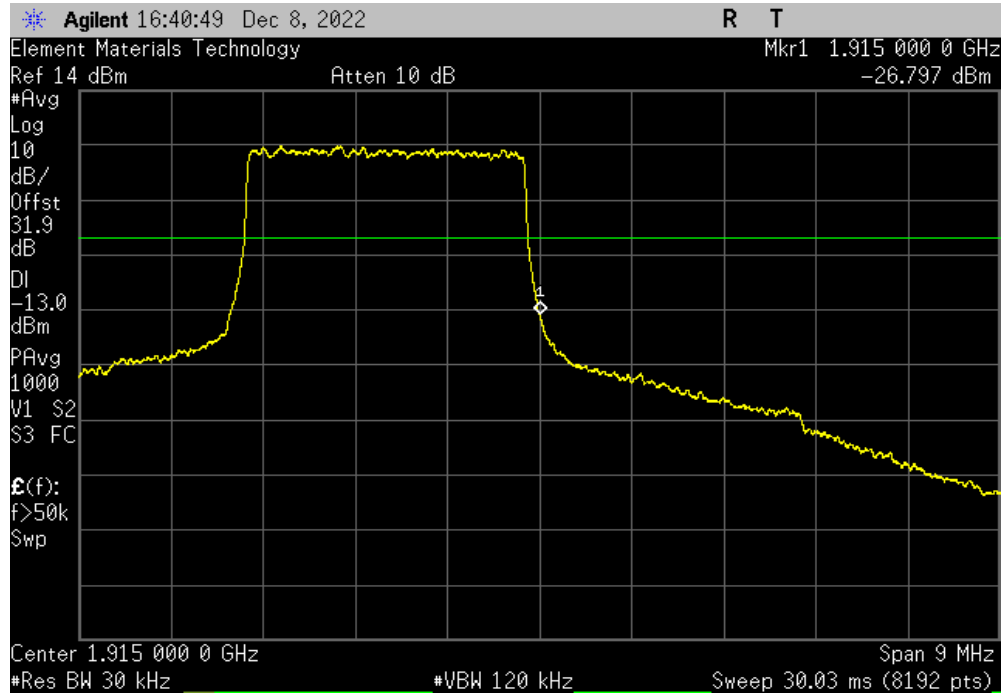


# OUT OF BAND EMISSIONS - LTE BAND 25/2

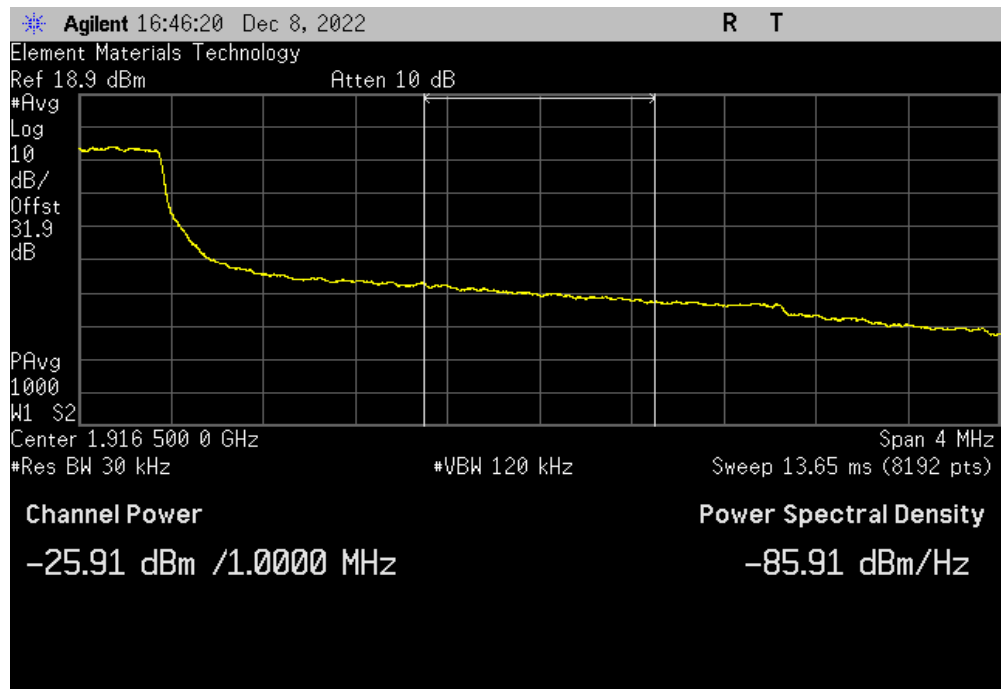


TUTx 2022.06.03.0 XMt 2022.02.07.0

| LTE Band 25, 3 MHz Bandwidth, QPSK, Full RB, High Channel 26675, 1913.5 MHz |  |  |  |                 |               |        |
|-----------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                             |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                                           |  |  |  | -26.8           | -13           | Pass   |



| LTE Band 25, 3 MHz Bandwidth, QPSK, Full RB, High Channel 26675, 1913.5 MHz |  |  |  |                 |               |        |
|-----------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                             |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                                           |  |  |  | -25.91          | -13           | Pass   |

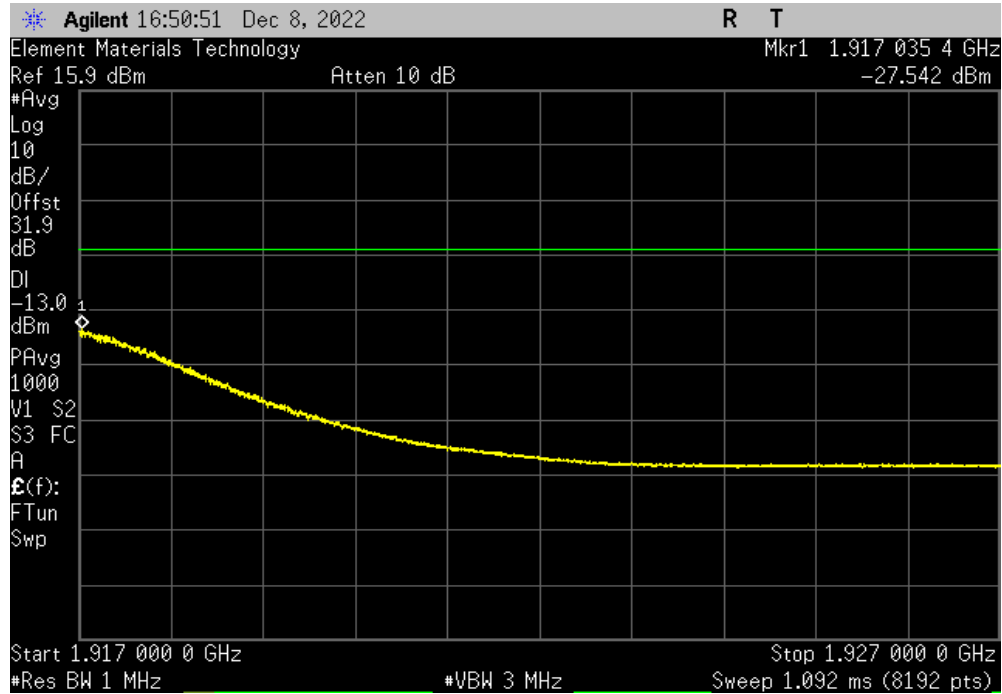


# OUT OF BAND EMISSIONS - LTE BAND 25/2



TbTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 25, 3 MHz Bandwidth, QPSK, Full RB, High Channel 26675, 1913.5 MHz |  |  |  |                 |               |        |
|-----------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                             |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                                           |  |  |  | -27.54          | -13           | Pass   |



# OUT OF BAND EMISSIONS - LTE BAND 26



TbTx 2022.06.03.0 XMi 2022.02.07.0

|                                                                                                                          |              |                                                                                             |                 |
|--------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------|-----------------|
| EUT: LE910C4-WWX                                                                                                         |              | Work Order: TELI0004                                                                        |                 |
| Serial Number: ENG Sample 1                                                                                              |              | Date: 13-Dec-22                                                                             |                 |
| Customer: Telit Communications S.p.A.                                                                                    |              | Temperature: 19 °C                                                                          |                 |
| Attendees: None                                                                                                          |              | Humidity: 49.6% RH                                                                          |                 |
| Project: None                                                                                                            |              | Barometric Pres.: 1014 mbar                                                                 |                 |
| Tested by: Nolan De Ramos                                                                                                |              | Power: 3.8VDC                                                                               |                 |
|                                                                                                                          |              | Job Site: OC13                                                                              |                 |
| TEST SPECIFICATIONS                                                                                                      |              | Test Method                                                                                 |                 |
| FCC 90I:2022                                                                                                             |              | ANSI C63.26:2015                                                                            |                 |
| FCC 22H:2022                                                                                                             |              | ANSI C63.26:2015                                                                            |                 |
| COMMENTS                                                                                                                 |              |                                                                                             |                 |
| Data Terminal Module (IMEI: 353338970545965)                                                                             |              |                                                                                             |                 |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                 |              |                                                                                             |                 |
| Spot check of out of band emissions based on worst case: FCC ID: R17LE910CXWWX (Band Edge Emissions at Antenna Terminal) |              |                                                                                             |                 |
| Reference Level Offset = SMA pigtail + directional coupler + coax cable + 20 dB attenuator + DC block                    |              |                                                                                             |                 |
| DEVIATIONS FROM TEST STANDARD                                                                                            |              |                                                                                             |                 |
| None                                                                                                                     |              |                                                                                             |                 |
| Configuration #                                                                                                          | 1            | Signature  |                 |
|                                                                                                                          |              | Frequency Range                                                                             | Max Value (dBm) |
|                                                                                                                          |              |                                                                                             | Limit ≤ (dBm)   |
|                                                                                                                          |              |                                                                                             | Result          |
| LTE Band 26                                                                                                              |              |                                                                                             |                 |
| 1.4 MHz Bandwidth, QPSK, Full RB                                                                                         |              |                                                                                             |                 |
|                                                                                                                          | Low Channel  | 26697, 814.7 MHz                                                                            | 1               |
|                                                                                                                          | Low Channel  | 26697, 814.7 MHz                                                                            | 2               |
|                                                                                                                          | Low Channel  | 26697, 814.7 MHz                                                                            | 3               |
|                                                                                                                          | High Channel | 26783, 823.3 MHz                                                                            | 1               |
|                                                                                                                          | High Channel | 26783, 823.3 MHz                                                                            | 2               |
|                                                                                                                          | High Channel | 26783, 823.3 MHz                                                                            | 3               |
|                                                                                                                          |              |                                                                                             | -28.65          |
|                                                                                                                          |              |                                                                                             | -32.89          |
|                                                                                                                          |              |                                                                                             | -54.8           |
|                                                                                                                          |              |                                                                                             | -27.63          |
|                                                                                                                          |              |                                                                                             | -33.6           |
|                                                                                                                          |              |                                                                                             | -49.09          |
|                                                                                                                          |              |                                                                                             | -13             |
|                                                                                                                          |              |                                                                                             | -13             |
|                                                                                                                          |              |                                                                                             | -13             |
|                                                                                                                          |              |                                                                                             | Pass            |
|                                                                                                                          |              |                                                                                             | Pass            |
|                                                                                                                          |              |                                                                                             | Pass            |
|                                                                                                                          |              |                                                                                             | Pass            |
|                                                                                                                          |              |                                                                                             | Pass            |
|                                                                                                                          |              |                                                                                             | Pass            |

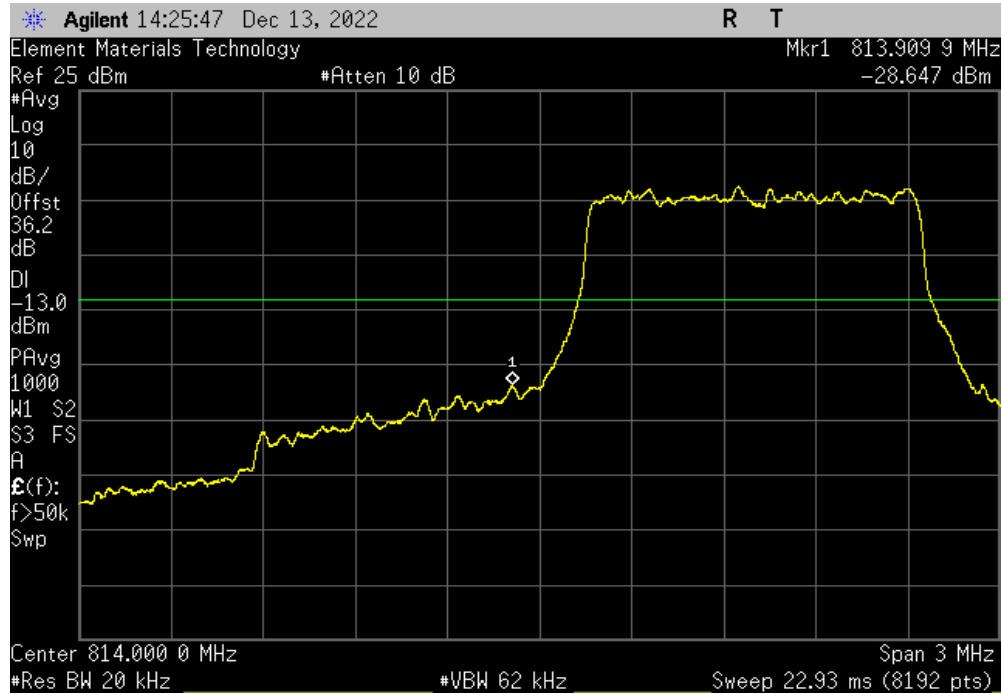


# OUT OF BAND EMISSIONS - LTE BAND 26

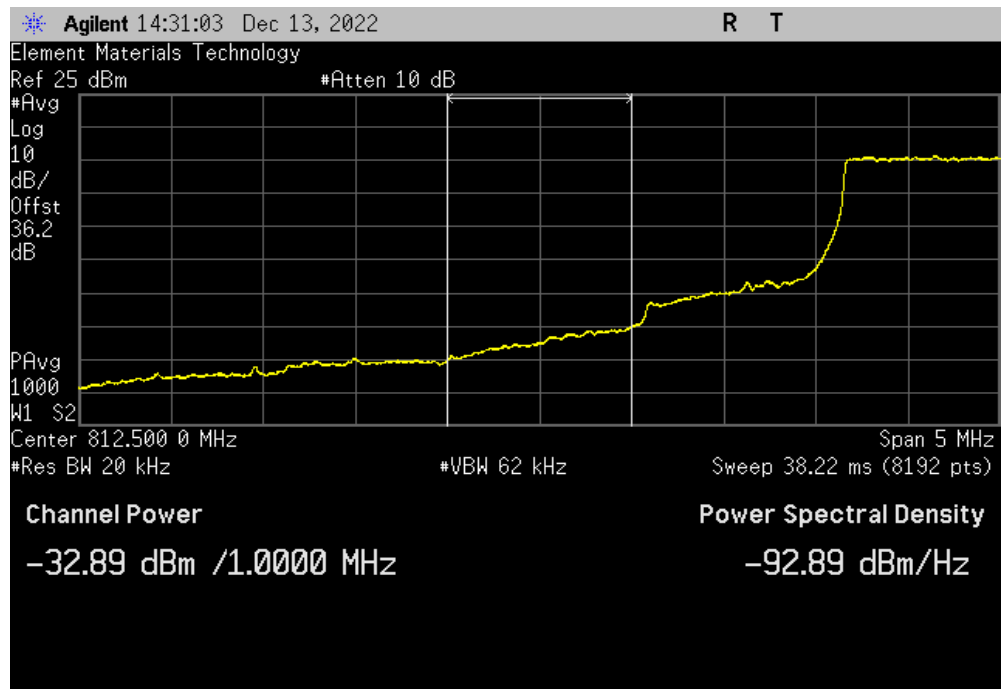


TMTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 26, 1.4 MHz Bandwidth, QPSK, Full RB, Low Channel 26697, 814.7 MHz |  |  |  |                 |               |        |
|-----------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                             |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                                           |  |  |  | -28.65          | -13           | Pass   |



| LTE Band 26, 1.4 MHz Bandwidth, QPSK, Full RB, Low Channel 26697, 814.7 MHz |  |  |  |                 |               |        |
|-----------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                             |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                                           |  |  |  | -32.89          | -13           | Pass   |

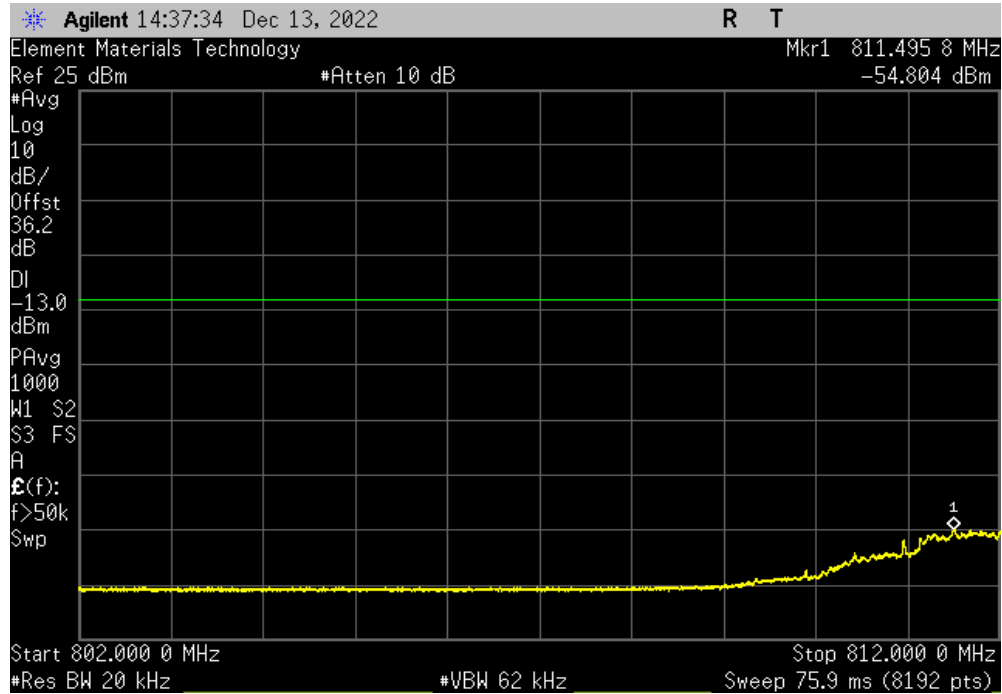


# OUT OF BAND EMISSIONS - LTE BAND 26

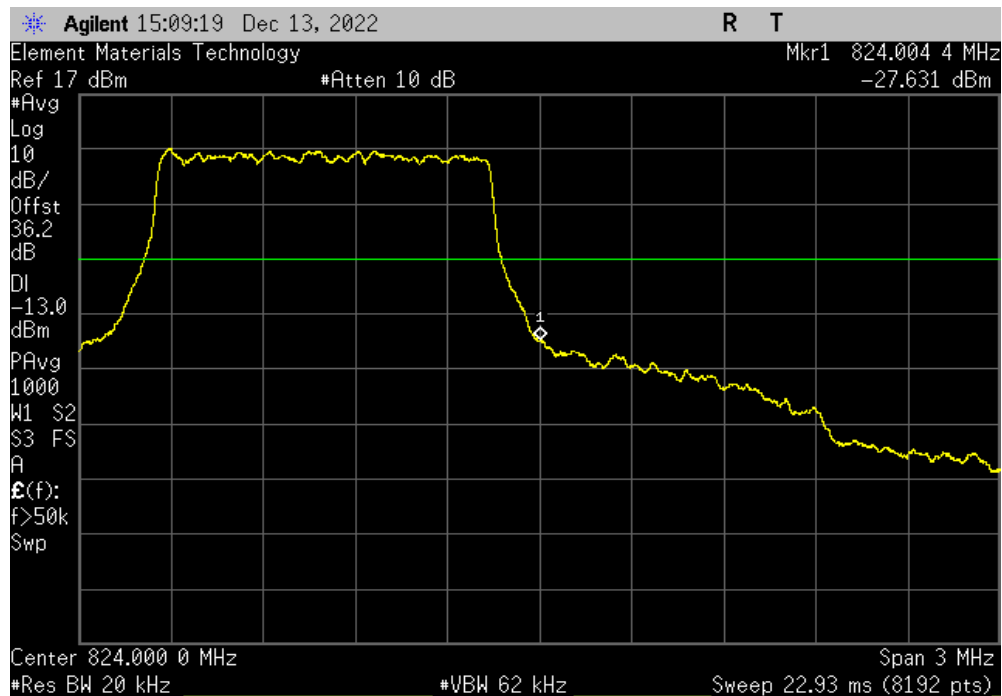


TUTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 26, 1.4 MHz Bandwidth, QPSK, Full RB, Low Channel 26697, 814.7 MHz |  |  |  |                 |               |        |
|-----------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                             |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                                           |  |  |  | -54.8           | -13           | Pass   |



| LTE Band 26, 1.4 MHz Bandwidth, QPSK, Full RB, High Channel 26783, 823.3 MHz |  |  |  |                 |               |        |
|------------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                              |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                                            |  |  |  | -27.63          | -13           | Pass   |

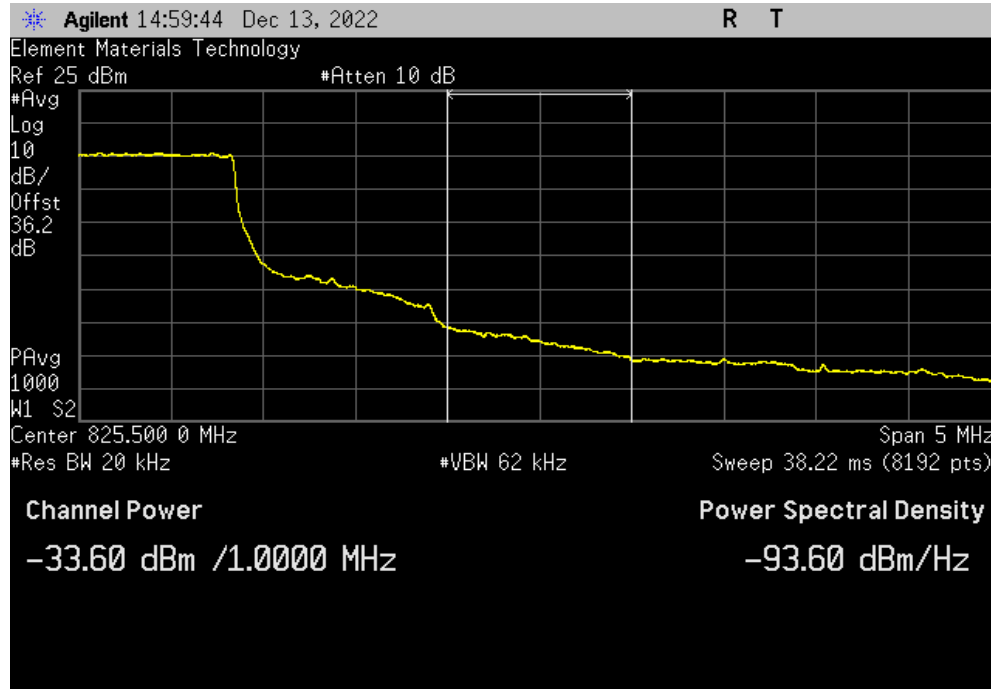


# OUT OF BAND EMISSIONS - LTE BAND 26

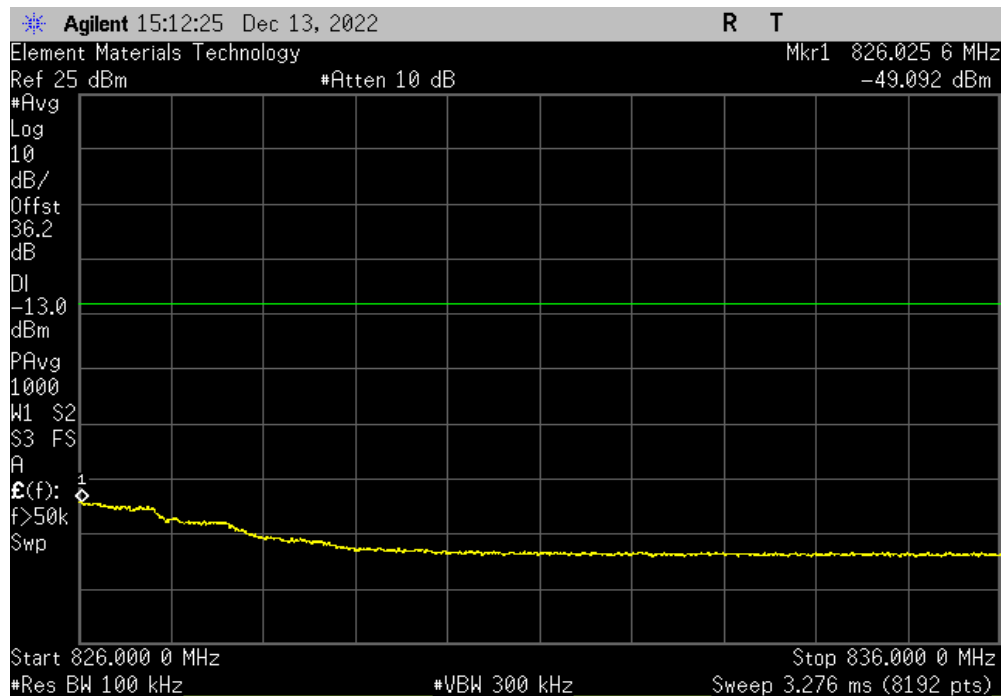


TbTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 26, 1.4 MHz Bandwidth, QPSK, Full RB, High Channel 26783, 823.3 MHz |  |  |  |                 |               |        |
|------------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                              |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                                            |  |  |  | -33.6           | -13           | Pass   |



| LTE Band 26, 1.4 MHz Bandwidth, QPSK, Full RB, High Channel 26783, 823.3 MHz |  |  |  |                 |               |        |
|------------------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                              |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                                            |  |  |  | -49.09          | -13           | Pass   |



# OUT OF BAND EMISSIONS - LTE BAND 26/5



TbTx 2022.06.03.0 XMit 2022.02.07.0

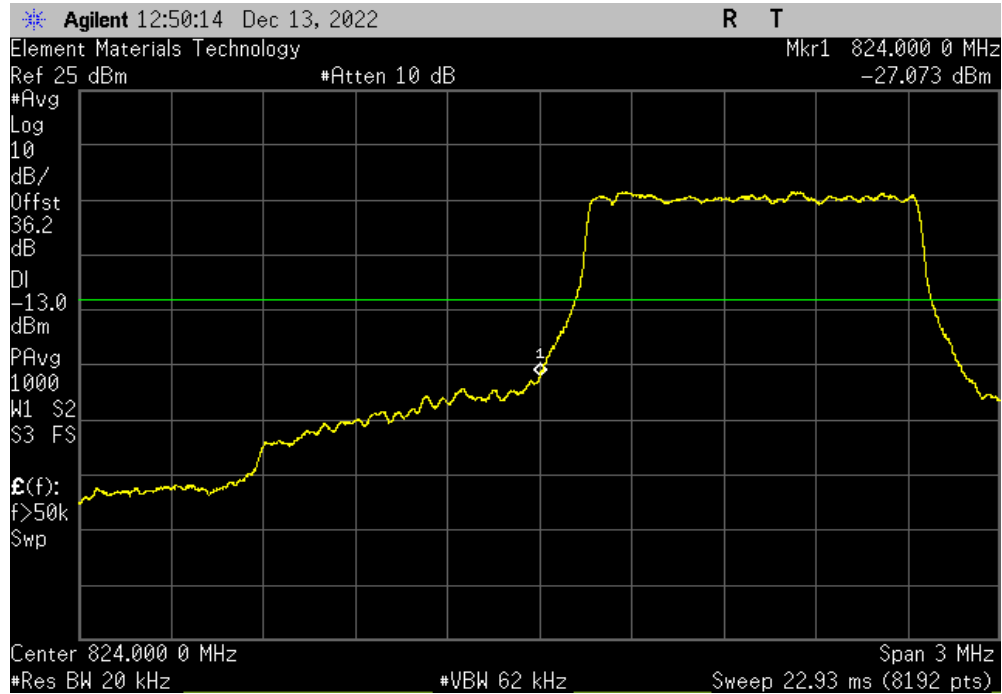
|                                                                                                                          |   |                                                                                             |                 |
|--------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|-----------------|
| EUT: LE910C4-WWX                                                                                                         |   | Work Order: TELI0004                                                                        |                 |
| Serial Number: ENG Sample 1                                                                                              |   | Date: 13-Dec-22                                                                             |                 |
| Customer: Telit Communications S.p.A.                                                                                    |   | Temperature: 19 °C                                                                          |                 |
| Attendees: None                                                                                                          |   | Humidity: 49.6% RH                                                                          |                 |
| Project: None                                                                                                            |   | Barometric Pres.: 1014 mbar                                                                 |                 |
| Tested by: Nolan De Ramos                                                                                                |   | Power: 3.8VDC                                                                               |                 |
|                                                                                                                          |   | Job Site: OC13                                                                              |                 |
| TEST SPECIFICATIONS                                                                                                      |   | Test Method                                                                                 |                 |
| FCC 22H:2022                                                                                                             |   | ANSI C63.26:2015                                                                            |                 |
| COMMENTS                                                                                                                 |   |                                                                                             |                 |
| Data Terminal Module (IMEI: 353338970545965)                                                                             |   |                                                                                             |                 |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                 |   |                                                                                             |                 |
| Spot check of out of band emissions based on worst case: FCC ID: RI7LE910CXWWX (Band Edge Emissions at Antenna Terminal) |   |                                                                                             |                 |
| Reference Level Offset = SMA pigtail + directional coupler + coax cable + 20 dB attenuator + DC block                    |   |                                                                                             |                 |
| DEVIATIONS FROM TEST STANDARD                                                                                            |   |                                                                                             |                 |
| None                                                                                                                     |   |                                                                                             |                 |
| Configuration #                                                                                                          | 1 | Signature  |                 |
|                                                                                                                          |   | Frequency Range                                                                             | Max Value (dBm) |
|                                                                                                                          |   |                                                                                             | Limit ≤ (dBm)   |
|                                                                                                                          |   |                                                                                             | Result          |
| LTE Band 26/5                                                                                                            |   |                                                                                             |                 |
| 1.4 MHz Bandwidth, QPSK, Full RB                                                                                         |   |                                                                                             |                 |
|                                                                                                                          |   | Low Channel 26797 (Band 26), 20407 (Band 5), 824.7 MHz                                      | 1               |
|                                                                                                                          |   | Low Channel 26797 (Band 26), 20407 (Band 5), 824.7 MHz                                      | 2               |
|                                                                                                                          |   | Low Channel 26797 (Band 26), 20407 (Band 5), 824.7 MHz                                      | 3               |
|                                                                                                                          |   | High Channel 27033 (Band 26), 20643 (Band 5), 848.3 MHz                                     | 1               |
|                                                                                                                          |   | High Channel 27033 (Band 26), 20643 (Band 5), 848.3 MHz                                     | 2               |
|                                                                                                                          |   | High Channel 27033 (Band 26), 20643 (Band 5), 848.3 MHz                                     | 3               |
|                                                                                                                          |   |                                                                                             | -27.07          |
|                                                                                                                          |   |                                                                                             | -33.12          |
|                                                                                                                          |   |                                                                                             | -50.18          |
|                                                                                                                          |   |                                                                                             | -27.26          |
|                                                                                                                          |   |                                                                                             | -42.72          |
|                                                                                                                          |   |                                                                                             | -50.38          |
|                                                                                                                          |   |                                                                                             | -13             |
|                                                                                                                          |   |                                                                                             | -13             |
|                                                                                                                          |   |                                                                                             | -13             |
|                                                                                                                          |   |                                                                                             | -13             |
|                                                                                                                          |   |                                                                                             | -13             |
|                                                                                                                          |   |                                                                                             | -13             |
|                                                                                                                          |   |                                                                                             | Pass            |
|                                                                                                                          |   |                                                                                             | Pass            |
|                                                                                                                          |   |                                                                                             | Pass            |
|                                                                                                                          |   |                                                                                             | Pass            |
|                                                                                                                          |   |                                                                                             | Pass            |
|                                                                                                                          |   |                                                                                             | Pass            |

# OUT OF BAND EMISSIONS - LTE BAND 26/5

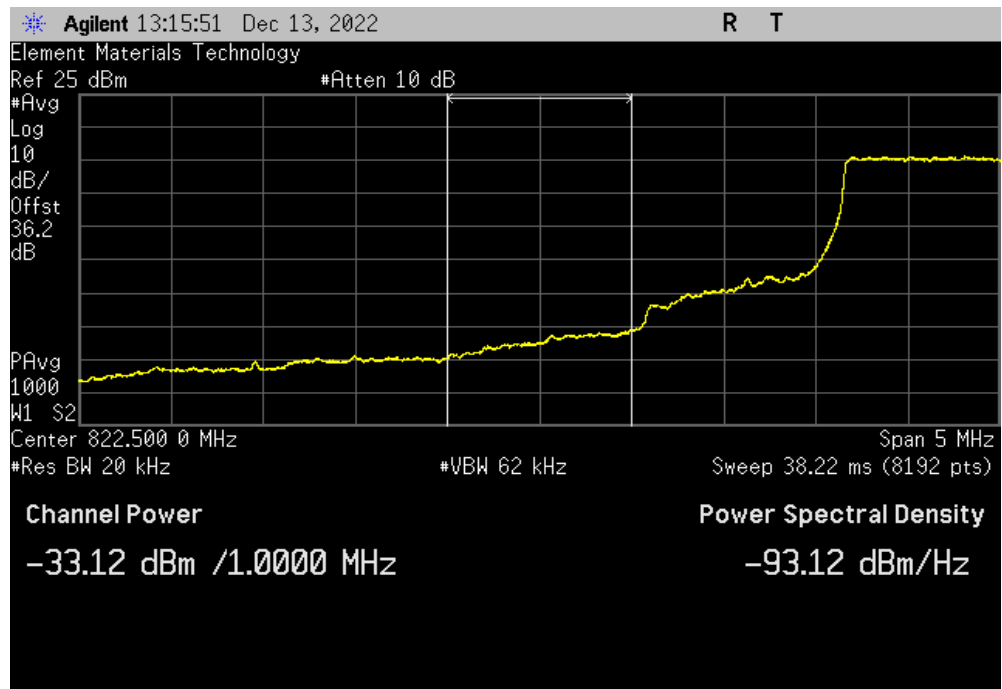


TUTTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 26/5, 1.4 MHz Bandwidth, QPSK, Full RB, Low Channel 26797 (Band 26), 20407 (Band 5), 824.7 MHz |  |                 |               |        |  |  |
|---------------------------------------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                                                         |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 1                                                                                                       |  | -27.07          | -13           | Pass   |  |  |



| LTE Band 26/5, 1.4 MHz Bandwidth, QPSK, Full RB, Low Channel 26797 (Band 26), 20407 (Band 5), 824.7 MHz |  |                 |               |        |  |  |
|---------------------------------------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                                                         |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 2                                                                                                       |  | -33.12          | -13           | Pass   |  |  |

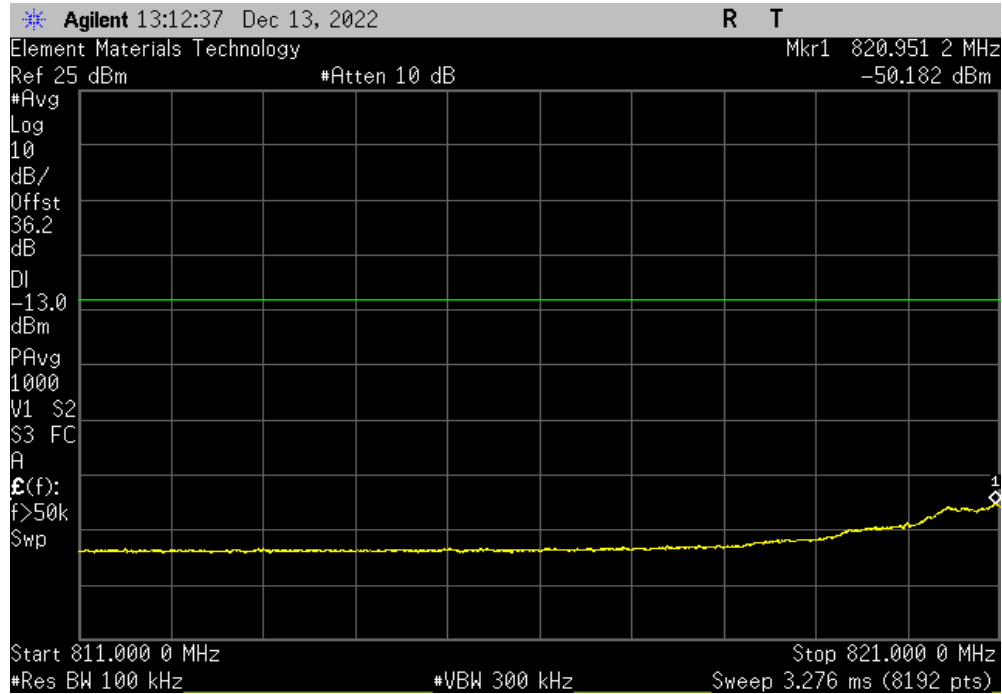


# OUT OF BAND EMISSIONS - LTE BAND 26/5



TUTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 26/5, 1.4 MHz Bandwidth, QPSK, Full RB, Low Channel 26797 (Band 26), 20407 (Band 5), 824.7 MHz |  |                 |               |        |  |  |
|---------------------------------------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                                                         |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 3                                                                                                       |  | -50.18          | -13           | Pass   |  |  |



| LTE Band 26/5, 1.4 MHz Bandwidth, QPSK, Full RB, High Channel 27033 (Band 26), 20643 (Band 5), 848.3 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                                                          |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 1                                                                                                        |  | -27.26          | -13           | Pass   |  |  |

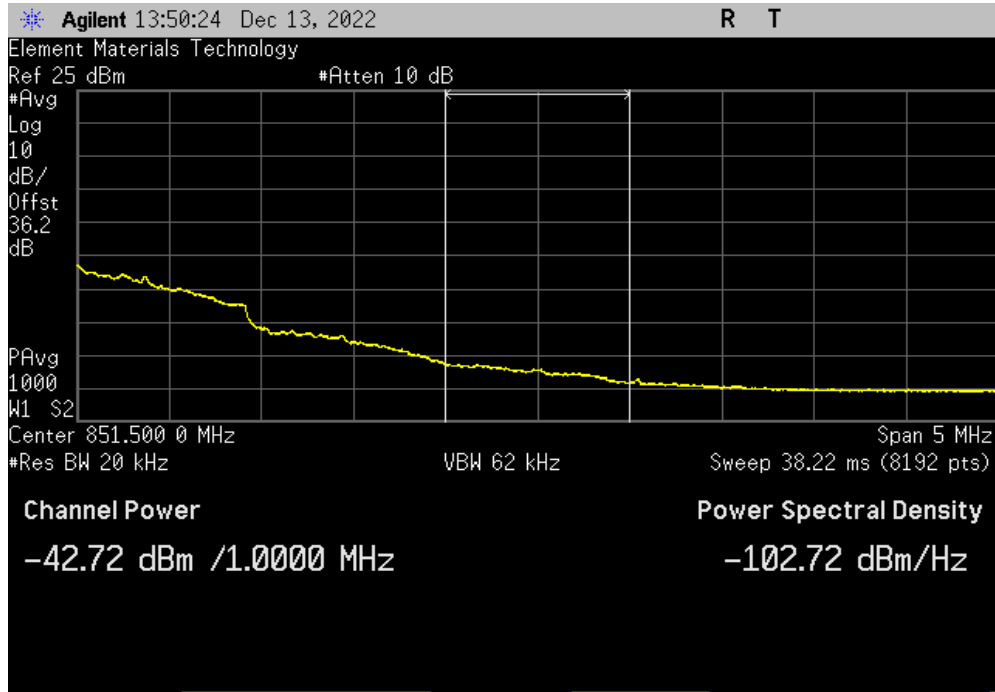


# OUT OF BAND EMISSIONS - LTE BAND 26/5

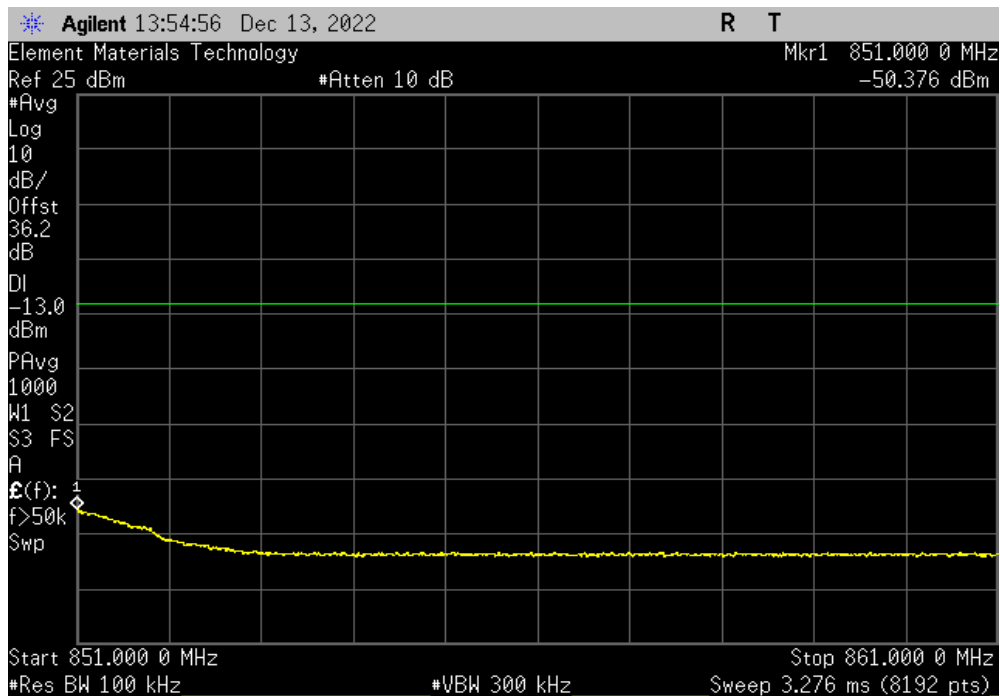


TUTx 2022.06.03.0 XMR 2022.02.07.0

| LTE Band 26/5, 1.4 MHz Bandwidth, QPSK, Full RB, High Channel 27033 (Band 26), 20643 (Band 5), 848.3 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                                                          |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 2                                                                                                        |  | -42.72          | -13           | Pass   |  |  |



| LTE Band 26/5, 1.4 MHz Bandwidth, QPSK, Full RB, High Channel 27033 (Band 26), 20643 (Band 5), 848.3 MHz |  |                 |               |        |  |  |
|----------------------------------------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                                                          |  | Max Value (dBm) | Limit ≤ (dBm) | Result |  |  |
| 3                                                                                                        |  | -50.38          | -13           | Pass   |  |  |



# OUT OF BAND EMISSIONS - LTE BAND 7



XMIT 2022.02.07.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST EQUIPMENT

| Description                     | Manufacturer       | Model                 | ID  | Last Cal.  | Cal. Due   |
|---------------------------------|--------------------|-----------------------|-----|------------|------------|
| Generator - Signal              | Keysight           | N5182B                | TFU | 2022-12-02 | 2024-12-02 |
| Block - DC                      | Fairview Microwave | SD3473                | AMY | 2022-07-05 | 2023-07-05 |
| Attenuator                      | Fairview Microwave | SA26B-20              | TWJ | 2022-03-15 | 2023-03-15 |
| Directional Coupler             | Fairview Microwave | MC2047-10             | RGT | 2022-06-27 | 2023-06-27 |
| Cable                           | Micro-Coax         | UFD150A-1-0720-200200 | EVI | 2022-12-02 | 2023-12-02 |
| Analyzer - Spectrum Analyzer    | Agilent            | E4440A                | AAW | 2023-02-06 | 2024-02-06 |
| Cellular Base Station Simulator | Anritsu            | MT8820C               | AFK | NCR        | NCR        |

## TEST DESCRIPTION

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. Per FCC ID: R17LE910CXWWX, the worst case modes of operation were investigated and the results are reported in this section.



# OUT OF BAND EMISSIONS - LTE BAND 7



XMIT 2022.02.07.0

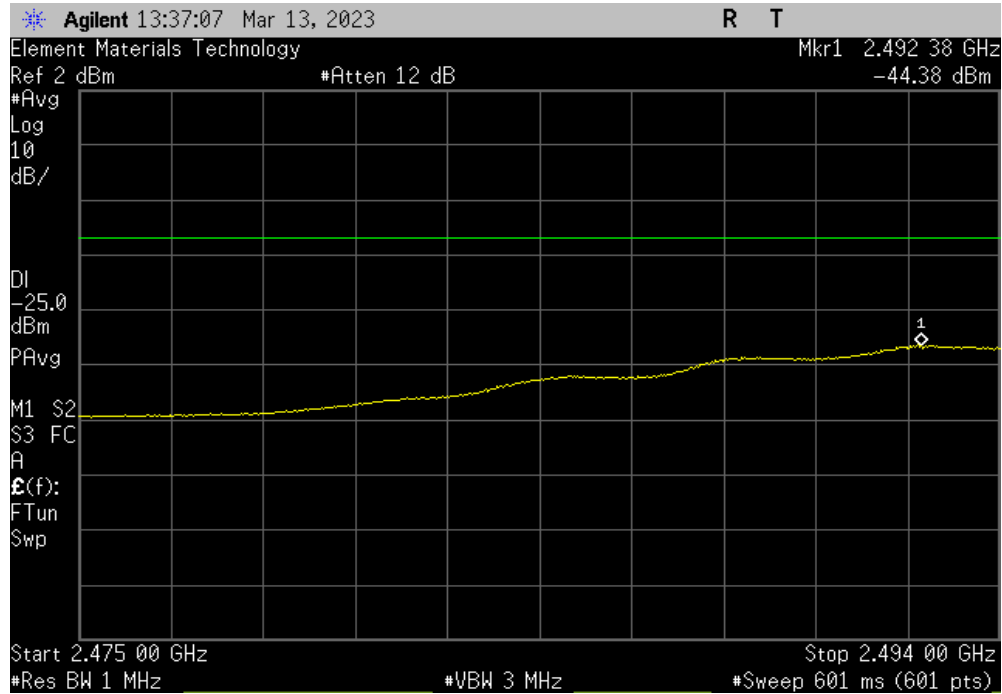
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                             |                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|--------------------------------------|
| EUT: LE910C4-WWX                                                                                                                                                                                                                                                                                                                                                                                                         |   | Work Order: TELI0004                                                                        |                                      |
| Serial Number: ENG Sample 2                                                                                                                                                                                                                                                                                                                                                                                              |   | Date: 13-Dec-22                                                                             |                                      |
| Customer: Telit Communications S.p.A.                                                                                                                                                                                                                                                                                                                                                                                    |   | Temperature: 21.7 °C                                                                        |                                      |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                                                                          |   | Humidity: 40.6% RH                                                                          |                                      |
| Project: None                                                                                                                                                                                                                                                                                                                                                                                                            |   | Barometric Pres.: 1012 mbar                                                                 |                                      |
| Tested by: Jeff Alcock                                                                                                                                                                                                                                                                                                                                                                                                   |   | Power: 3.8VDC                                                                               | Job Site: EV06                       |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                      |   | Test Method                                                                                 |                                      |
| FCC 27:2023                                                                                                                                                                                                                                                                                                                                                                                                              |   | ANSI C63.26:2015                                                                            |                                      |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                                                                                             |                                      |
| <p>Data Terminal Module (IMEI: 353338970545965)</p> <p>Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0</p> <p>Spot check of out of band emissions based on worst case: FCC ID: RI7LE910CXWWX (Conducted Band Edge)</p> <p>All losses in the measurement system (Measurement cable, 20 dB attenuator, DC Block, Directional Coupler) were applied to the analyzer through the internal corrections settings.</p> |   |                                                                                             |                                      |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                                                                            |   |                                                                                             |                                      |
| None                                                                                                                                                                                                                                                                                                                                                                                                                     |   |                                                                                             |                                      |
| Configuration #                                                                                                                                                                                                                                                                                                                                                                                                          | 2 | Signature  |                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   | Frequency Range                                                                             | Max Value (dBm) Limit ≤ (dBm) Result |
| LTE Band 7                                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                                                             |                                      |
| 5 MHz BW, QPSK, Full RB                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                             |                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   | Low Channel 20775, 2502.5 MHz                                                               | 1 -44.3 -25 Pass                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   | Low Channel 20775, 2502.5 MHz                                                               | 2 -39.66 -13 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   | Low Channel 20775, 2502.5 MHz                                                               | 3 -15.88 -10 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   | Low Channel 20775, 2502.5 MHz                                                               | 4 -25.94 -10 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   | High Channel 21425, 2567.5 MHz                                                              | 1 -23.45 -10 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   | High Channel 21425, 2567.5 MHz                                                              | 2 -13.39 -10 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   | High Channel 21425, 2567.5 MHz                                                              | 3 -40.63 -13 Pass                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |   | High Channel 21425, 2567.5 MHz                                                              | 4 -42.1 -25 Pass                     |

# OUT OF BAND EMISSIONS - LTE BAND 7

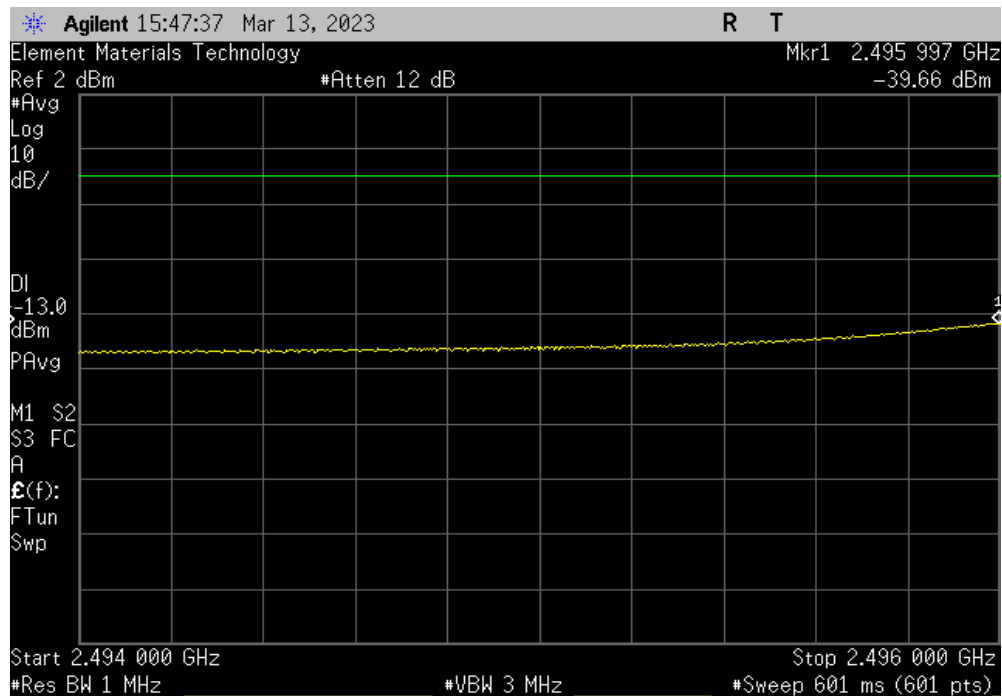


XMR 2022.02.07.0

| LTE Band 7, 5 MHz BW, QPSK, Full RB, Low Channel 20775, 2502.5 MHz |  |  |  |                 |               |        |
|--------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                    |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                                  |  |  |  | -44.3           | -25           | Pass   |



| LTE Band 7, 5 MHz BW, QPSK, Full RB, Low Channel 20775, 2502.5 MHz |  |  |  |                 |               |        |
|--------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                    |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                                  |  |  |  | -39.66          | -13           | Pass   |

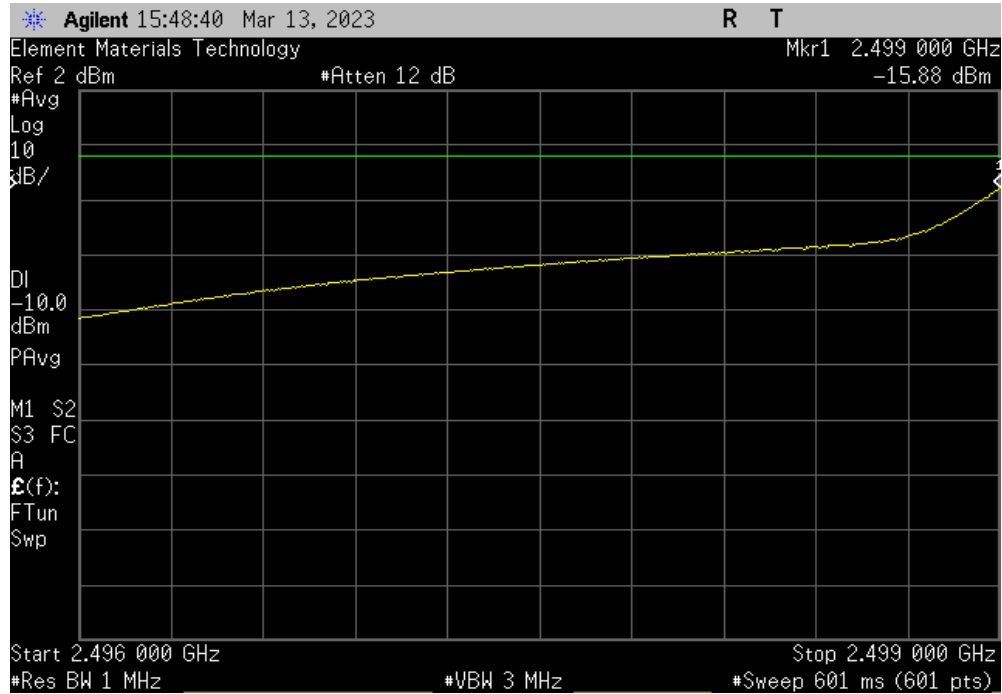


# OUT OF BAND EMISSIONS - LTE BAND 7

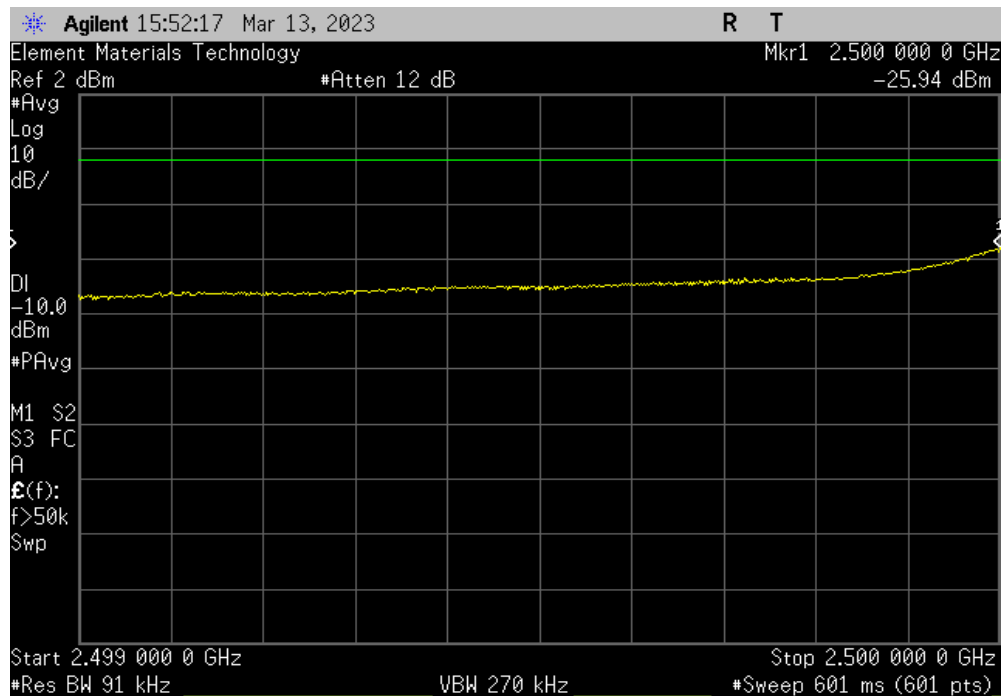


XM8 2022.02.07.0

| LTE Band 7, 5 MHz BW, QPSK, Full RB, Low Channel 20775, 2502.5 MHz |  |  |  |                 |               |        |
|--------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                    |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                                  |  |  |  | -15.88          | -10           | Pass   |



| LTE Band 7, 5 MHz BW, QPSK, Full RB, Low Channel 20775, 2502.5 MHz |  |  |  |                 |               |        |
|--------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                    |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 4                                                                  |  |  |  | -25.94          | -10           | Pass   |

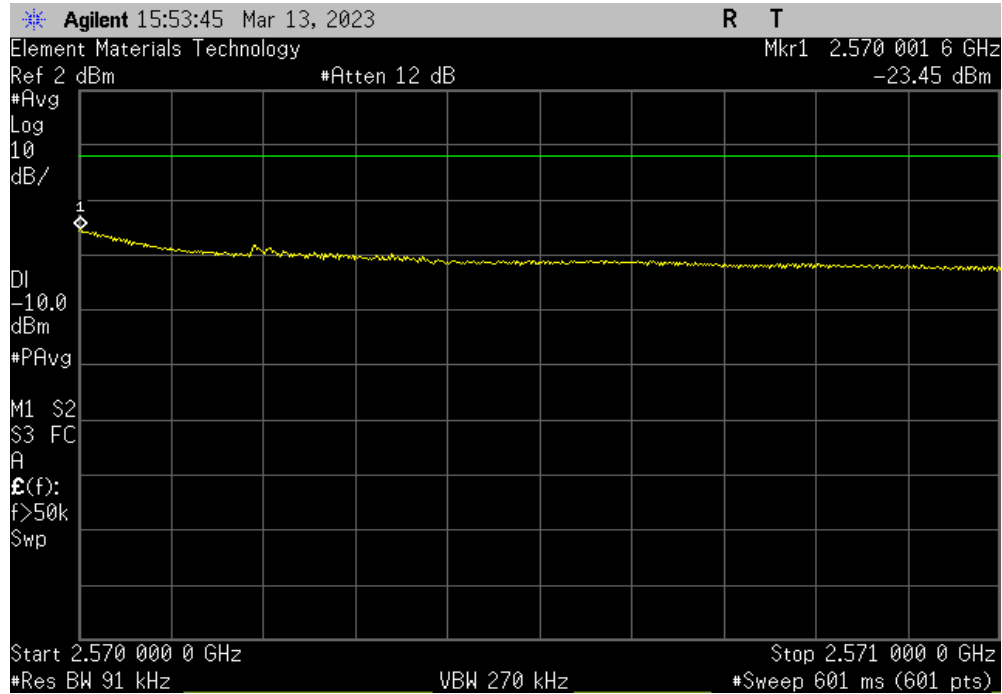


# OUT OF BAND EMISSIONS - LTE BAND 7

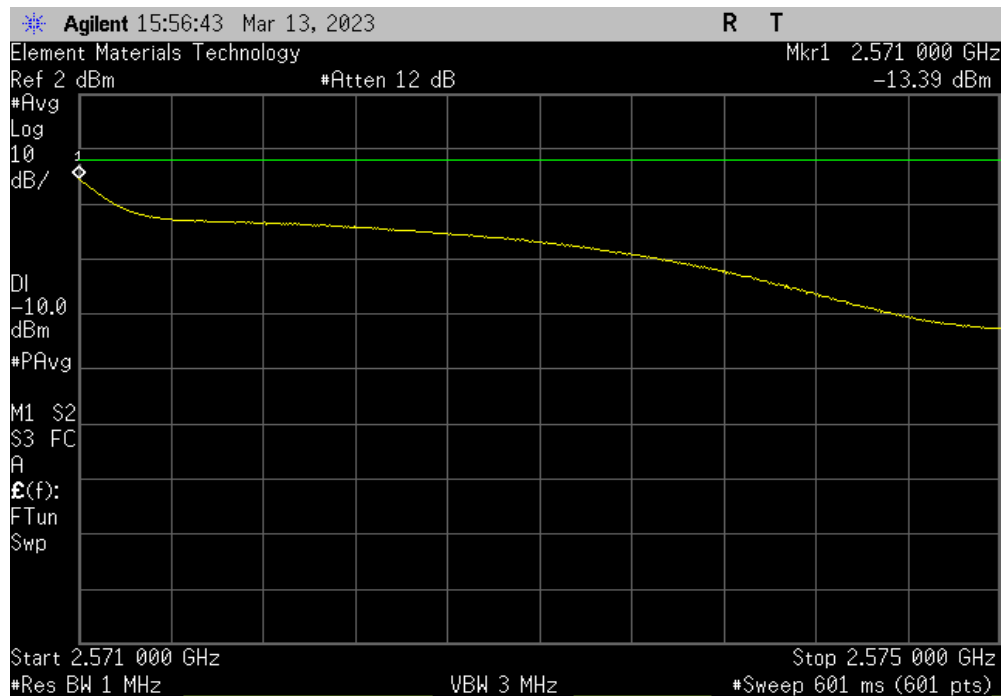


XMR 2022.02.07.0

| LTE Band 7, 5 MHz BW, QPSK, Full RB, High Channel 21425, 2567.5 MHz |  |  |  |                 |               |        |
|---------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                     |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 1                                                                   |  |  |  | -23.45          | -10           | Pass   |



| LTE Band 7, 5 MHz BW, QPSK, Full RB, High Channel 21425, 2567.5 MHz |  |  |  |                 |               |        |
|---------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                     |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 2                                                                   |  |  |  | -13.39          | -10           | Pass   |

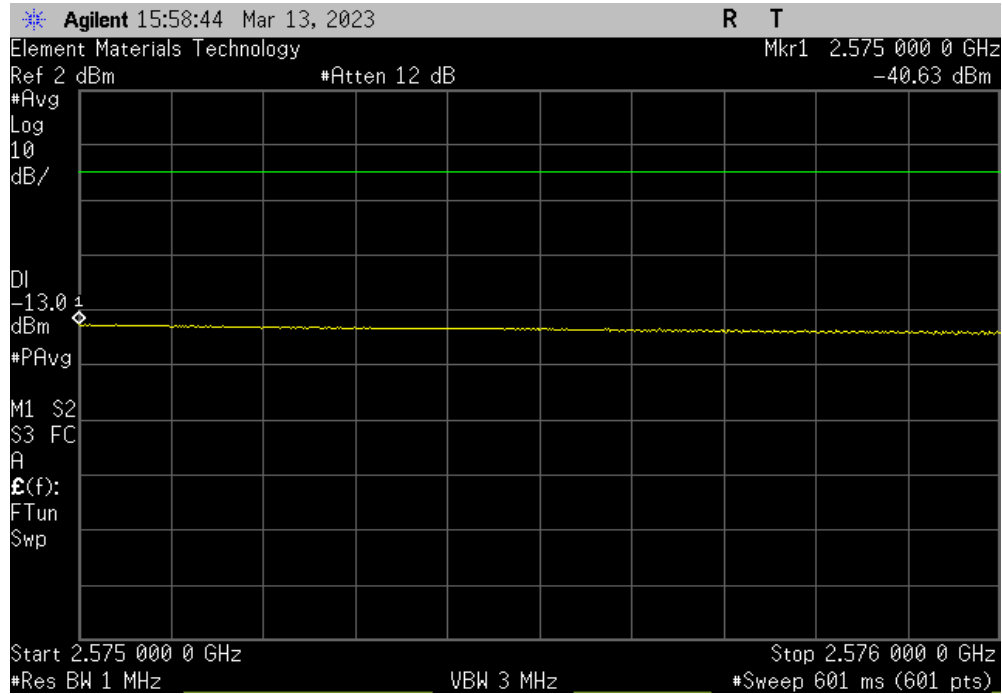


# OUT OF BAND EMISSIONS - LTE BAND 7

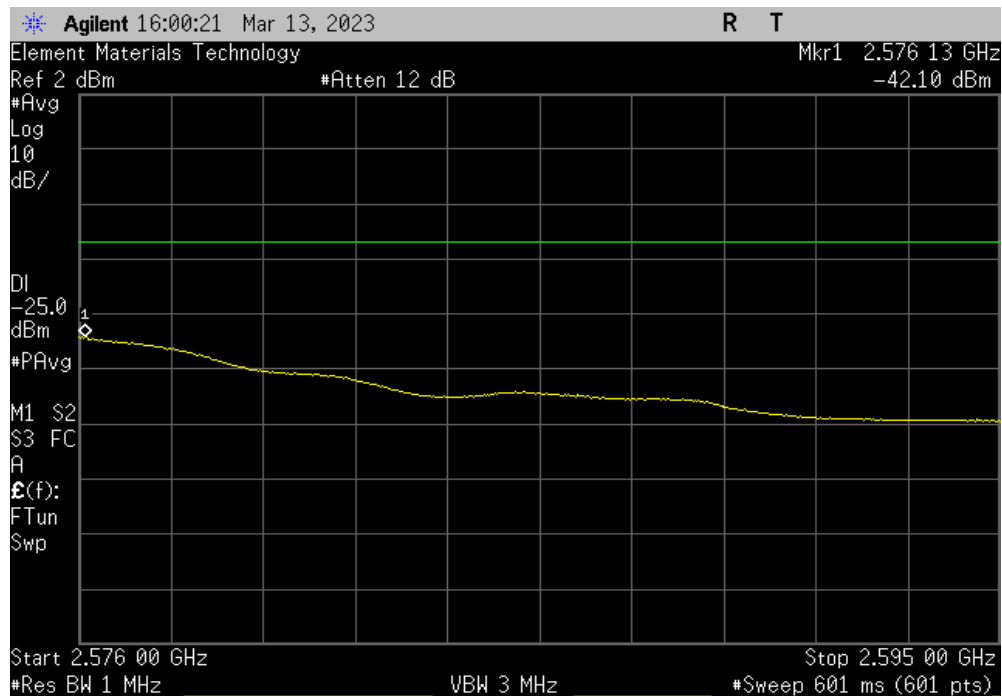


XMR 2022.02.07.0

| LTE Band 7, 5 MHz BW, QPSK, Full RB, High Channel 21425, 2567.5 MHz |  |  |  |                 |               |        |
|---------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                     |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 3                                                                   |  |  |  | -40.63          | -13           | Pass   |



| LTE Band 7, 5 MHz BW, QPSK, Full RB, High Channel 21425, 2567.5 MHz |  |  |  |                 |               |        |
|---------------------------------------------------------------------|--|--|--|-----------------|---------------|--------|
| Frequency Range                                                     |  |  |  | Max Value (dBm) | Limit ≤ (dBm) | Result |
| 4                                                                   |  |  |  | -42.1           | -25           | Pass   |



# SPURIOUS RADIATED EMISSIONS

## TEST DESCRIPTION

At an approved test site, the transmitter was placed on a remotely controlled turntable, and the measurement antenna was placed 3 meters from the transmitter. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axes. The turntable azimuth was varied to maximize the level of spurious emissions. The height of the measurement antenna was also varied from 1 to 4 meters. A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity. The amplitude and frequency of the highest emissions was noted.

The transmitter was then replaced with a  $\frac{1}{2}$  wave dipole that was successively tuned to each of the highest spurious emissions for emissions below 1 GHz, and a horn antenna for emissions above 1 GHz. A signal generator was connected to the dipole (horn antenna for frequencies above 1 GHz), and its output was adjusted to match the level previously noted for each frequency. The output of the signal generator was recorded, and by factoring in the cable loss to the antenna and its gain, the power (dBm) was determined for each radiated spurious emission.

## TEST EQUIPMENT

| Description                  | Manufacturer    | Model                  | ID  | Last Cal.  | Cal. Due   |
|------------------------------|-----------------|------------------------|-----|------------|------------|
| Antenna - Double Ridge       | EMCO            | 3115                   | AHB | 2022-04-13 | 2024-04-13 |
| Cable                        | ESM Cable Corp. | 1-8GHz Cables          | OCX | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-3D-00100800-32-13P | AVJ | 2022-02-04 | 2023-02-04 |
| Filter - High Pass           | Micro-Tronics   | HPM50108               | HGP | 2022-01-13 | 2023-01-13 |
| Antenna - Standard Gain      | ETS Lindgren    | 3160-07                | AHX | NCR        | NCR        |
| Cable                        | ESM Cable Corp. | 8-18GHz Cables         | OCY | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-08001200-30-10P | AVL | 2022-02-04 | 2023-02-04 |
| Filter - High Pass           | Micro-Tronics   | HPM50111               | HGQ | 2022-01-13 | 2023-01-13 |
| Antenna - Standard Gain      | EMCO            | 3160-08                | AHK | NCR        | NCR        |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-12001800-30-10P | AVP | 2022-02-04 | 2023-02-04 |
| Analyzer - Spectrum Analyzer | Agilent         | E4446A                 | AAY | 2022-12-06 | 2023-12-06 |
| Meter - Power                | Hewlett Packard | E4418A                 | SPA | 2022-12-16 | 2023-12-16 |
| Generator - Signal           | Agilent         | E8257D                 | TGU | 2020-11-03 | 2023-11-03 |
| Power Sensor                 | Agilent         | E4412A                 | SQE | 2022-12-16 | 2023-12-16 |

## MEASUREMENT UNCERTAINTY

| Description  |
|--------------|
| Expanded k=2 |
| 5.1 dB       |
| -5.1 dB      |

## FREQUENCY RANGE INVESTIGATED

1 GHz TO 18 GHz

## POWER INVESTIGATED

3.8VDC

## CONFIGURATIONS INVESTIGATED

TELI0004-2

## MODES INVESTIGATED

GSM Band (GSM-850), GPRS, Ch 128, 824.2 MHz

WCDMA, Band V (CLR-850), RMC, Ch 4233, 846.6 MHz

LTE Band 26/5, Ch 20575 (Band 5), Ch 26965 (Band 26), 841.5 MHz, QPSK, 15 MHz Bandwidth, RB 1, Offset 37

# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-12 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 22.3°C     |
| Attendees:        | None                        | Relative Humidity:    | 47.1%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1024 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 22.917:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 31 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

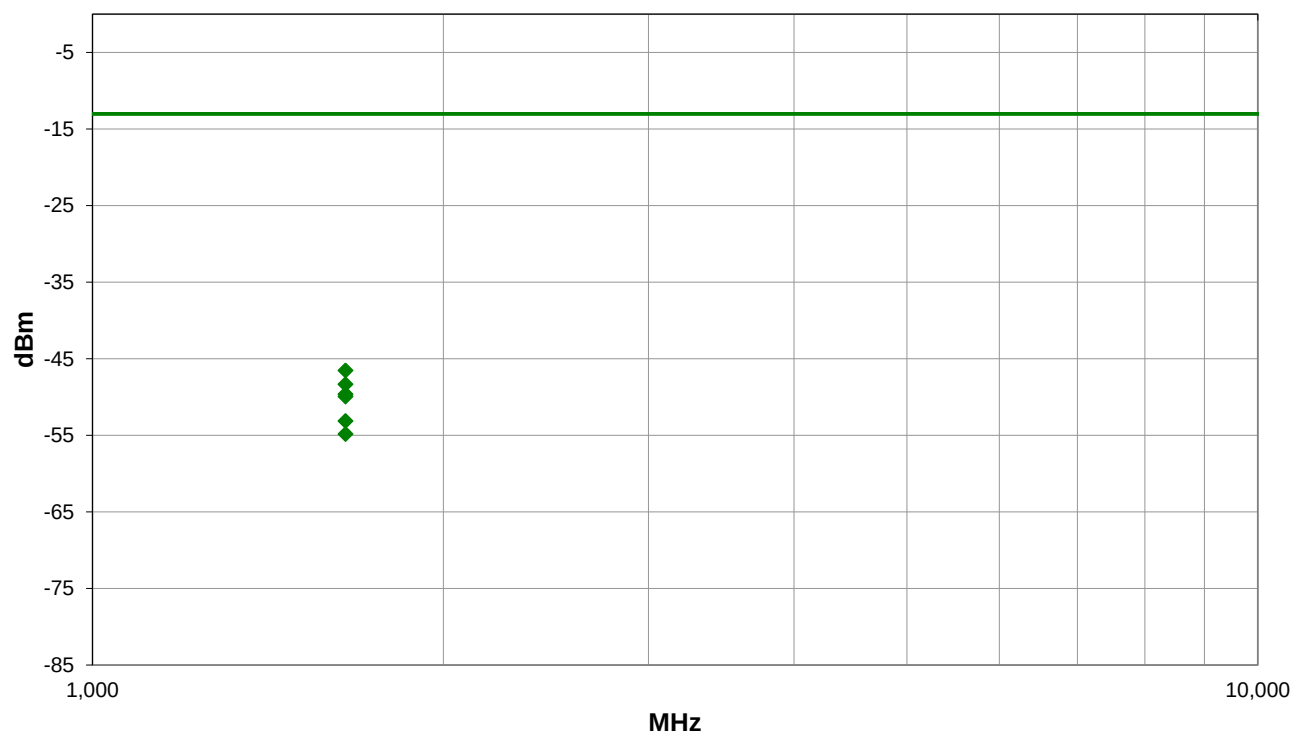
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

GSM Band (GSM-850), GPRS, Ch 128, 824.2 MHz

## DEVIATIONS FROM TEST STANDARD

None



Run #: 31

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #31

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                  |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|---------------------------|
| 1648.400   | 1.41                    | 157.0             | Vert                     | AV       | 22.2E-9      | -46.5      | -13.0             | -33.5                  | Tx 824.2 MHz, EUT Horz    |
| 1648.358   | 1.2                     | 82.0              | Horz                     | AV       | 14.7E-9      | -48.3      | -13.0             | -35.3                  | Tx 824.2 MHz, EUT on Side |
| 1648.392   | 1.2                     | 2.0               | Vert                     | AV       | 10.9E-9      | -49.6      | -13.0             | -36.6                  | Tx 824.2 MHz, EUT Vert    |
| 1648.467   | 1.2                     | 98.0              | Horz                     | AV       | 10.2E-9      | -49.9      | -13.0             | -36.9                  | Tx 824.2 MHz, EUT Horz    |
| 1648.400   | 1.21                    | 69.0              | Vert                     | AV       | 4.9E-9       | -53.1      | -13.0             | -40.1                  | Tx 824.2 MHz, EUT on Side |
| 1648.425   | 1.2                     | 353.0             | Horz                     | AV       | 3.3E-9       | -54.8      | -13.0             | -41.8                  | Tx 824.2 MHz, EUT Vert    |

## CONCLUSION

Pass



Tested By



# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-12 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 22.3°C     |
| Attendees:        | None                        | Relative Humidity:    | 47.5%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1023 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 22.917:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 34 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

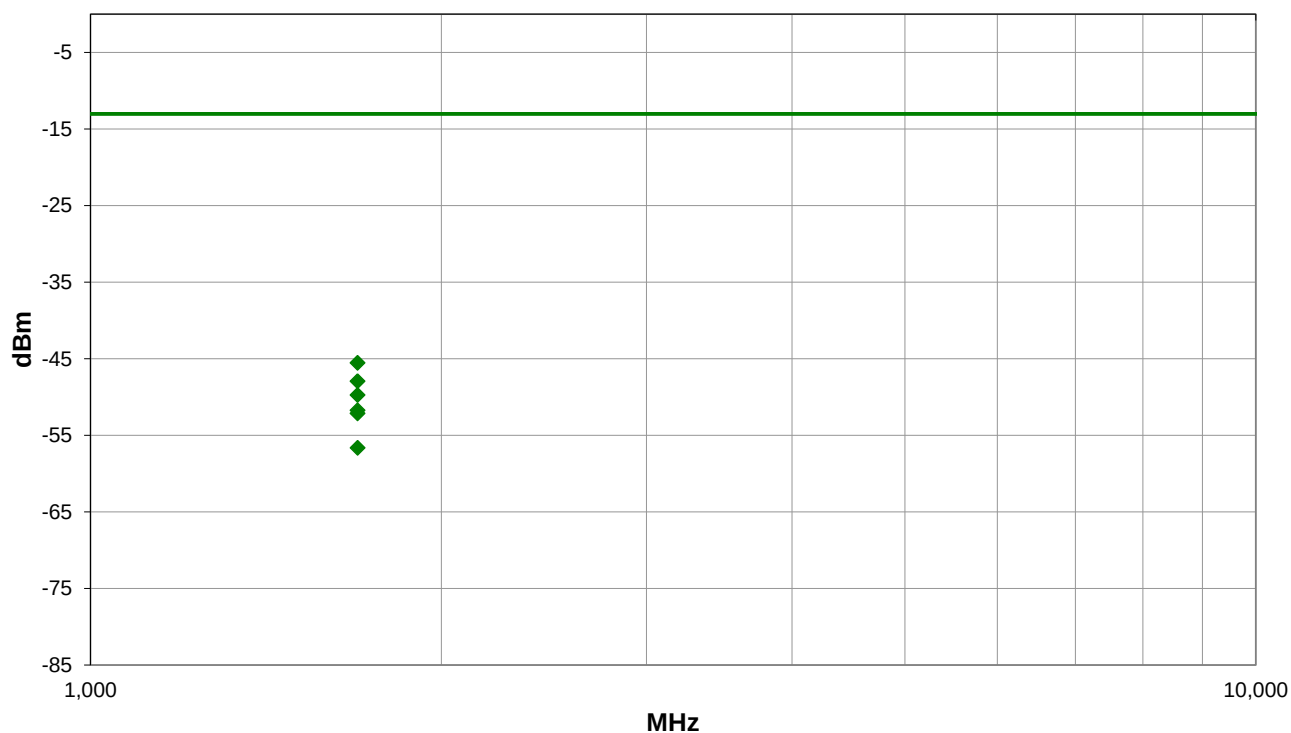
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

WCDMA, Band V (CLR-850), RMC, Ch 4233, 846.6 MHz

## DEVIATIONS FROM TEST STANDARD

None



Run #: 34

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #34

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                  |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|---------------------------|
| 1694.792   | 2.43                    | 175.0             | Vert                     | AV       | 28.0E-9      | -45.5      | -13.0             | -32.5                  | Tx 846.6 MHz, EUT Vert    |
| 1694.792   | 1.17                    | 70.0              | Horz                     | AV       | 16.1E-9      | -47.9      | -13.0             | -34.9                  | Tx 846.6 MHz, EUT on Side |
| 1694.800   | 1.2                     | 116.0             | Horz                     | AV       | 10.6E-9      | -49.7      | -13.0             | -36.7                  | Tx 846.6 MHz, EUT Horz    |
| 1694.833   | 3.12                    | 227.0             | Vert                     | AV       | 6.7E-9       | -51.7      | -13.0             | -38.7                  | Tx 846.6 MHz, EUT Horz    |
| 1694.775   | 2.35                    | 169.0             | Horz                     | AV       | 6.1E-9       | -52.1      | -13.0             | -39.1                  | Tx 846.6 MHz, EUT Vert    |
| 1695.008   | 1.2                     | 191.0             | Vert                     | AV       | 2.2E-9       | -56.6      | -13.0             | -43.6                  | Tx 846.6 MHz, EUT on Side |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-10 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 22°C       |
| Attendees:        | None                        | Relative Humidity:    | 56.1%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1019 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 22.917:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 14 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

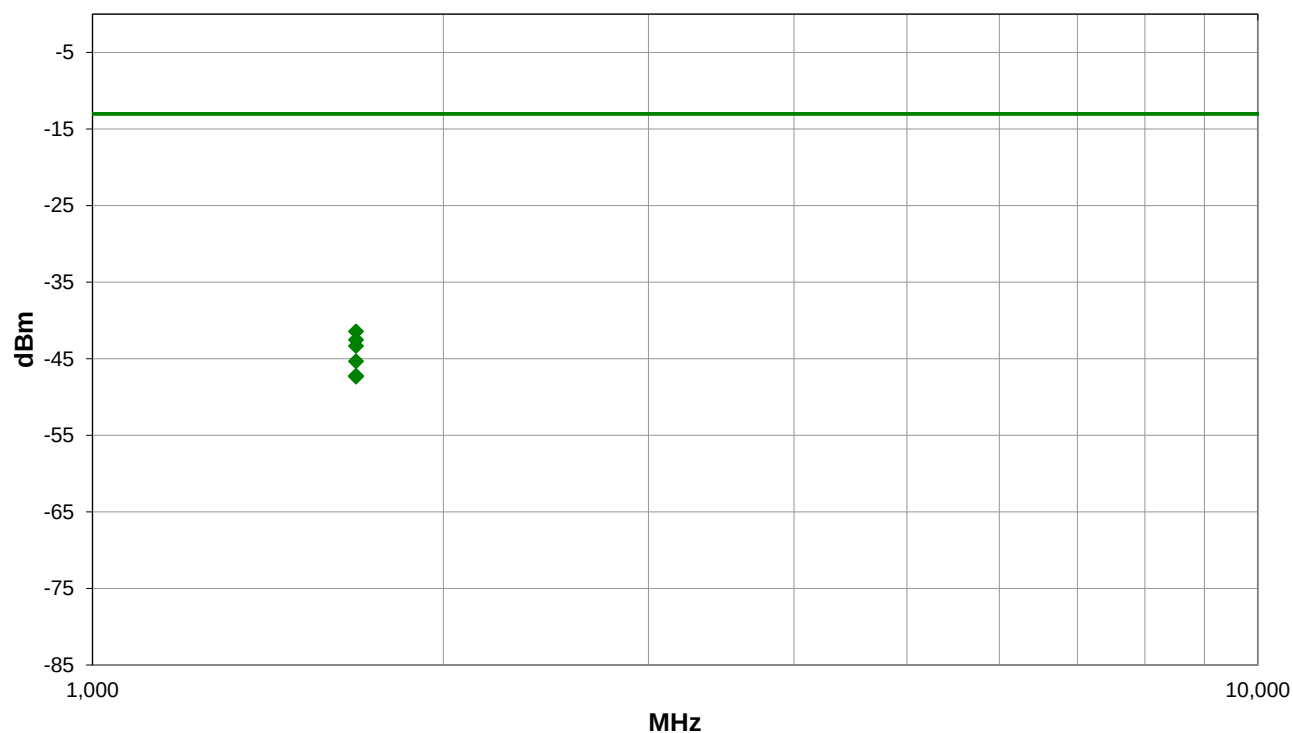
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

LTE Band 26/5, Ch 20575 (Band 5), Ch 26965 (Band 26), 841.5 MHz, QPSK, 15 MHz Bandwidth, RB 1, Offset 37

## DEVIATIONS FROM TEST STANDARD

None



Run #: 14

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #14

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                            |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|-------------------------------------|
| 1683.042   | 2.65                    | 31.0              | Horz                     | AV       | 72.0E-9      | -41.4      | -13.0             | -28.4                  | Tx 841.5 MHz, EUT on Side, Ant 180° |
| 1683.000   | 1.2                     | 278.0             | Horz                     | AV       | 55.9E-9      | -42.5      | -13.0             | -29.5                  | Tx 841.5 MHz, EUT Horz, Ant 180°    |
| 1682.958   | 1.2                     | 223.0             | Vert                     | AV       | 46.5E-9      | -43.3      | -13.0             | -30.3                  | Tx 841.5 MHz, EUT Vert, Ant 180°    |
| 1683.000   | 1.59                    | 193.0             | Vert                     | AV       | 29.3E-9      | -45.3      | -13.0             | -32.3                  | Tx 841.5 MHz, EUT on Side, Ant 180° |
| 1683.000   | 1.11                    | 241.0             | Horz                     | AV       | 18.9E-9      | -47.2      | -13.0             | -34.2                  | Tx 841.5 MHz, EUT Vert, Ant 180°    |
| 1683.000   | 1.3                     | 336.0             | Vert                     | AV       | 18.5E-9      | -47.3      | -13.0             | -34.3                  | Tx 841.5 MHz, EUT Horz, Ant 180°    |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS

## TEST DESCRIPTION

At an approved test site, the transmitter was placed on a remotely controlled turntable, and the measurement antenna was placed 3 meters from the transmitter. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axes. The turntable azimuth was varied to maximize the level of spurious emissions. The height of the measurement antenna was also varied from 1 to 4 meters. A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity. The amplitude and frequency of the highest emissions was noted.

The transmitter was then replaced with a  $\frac{1}{2}$  wave dipole that was successively tuned to each of the highest spurious emissions for emissions below 1 GHz, and a horn antenna for emissions above 1 GHz. A signal generator was connected to the dipole (horn antenna for frequencies above 1 GHz), and its output was adjusted to match the level previously noted for each frequency. The output of the signal generator was recorded, and by factoring in the cable loss to the antenna and its gain, the power (dBm) was determined for each radiated spurious emission.

## TEST EQUIPMENT

| Description                  | Manufacturer    | Model                  | ID  | Last Cal.  | Cal. Due   |
|------------------------------|-----------------|------------------------|-----|------------|------------|
| Antenna - Double Ridge       | EMCO            | 3115                   | AHB | 2022-04-13 | 2024-04-13 |
| Cable                        | ESM Cable Corp. | 1-8GHz Cables          | OCX | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-3D-00100800-32-13P | AVJ | 2022-02-04 | 2023-02-04 |
| Filter - High Pass           | Micro-Tronics   | HPM50111               | HGQ | 2022-01-13 | 2023-01-13 |
| Antenna - Standard Gain      | ETS Lindgren    | 3160-07                | AHX | NCR        | NCR        |
| Cable                        | ESM Cable Corp. | 8-18GHz Cables         | OCY | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-08001200-30-10P | AVL | 2022-02-04 | 2023-02-04 |
| Antenna - Standard Gain      | EMCO            | 3160-08                | AHK | NCR        | NCR        |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-12001800-30-10P | AVP | 2022-02-04 | 2023-02-04 |
| Analyzer - Spectrum Analyzer | Agilent         | E4446A                 | AAY | 2022-12-06 | 2023-12-06 |
| Antenna - Standard Gain      | ETS Lindgren    | 3160-07                | AHX | NCR        | NCR        |

## MEASUREMENT UNCERTAINTY

| Description  |        |         |
|--------------|--------|---------|
| Expanded k=2 | 5.1 dB | -5.1 dB |

## FREQUENCY RANGE INVESTIGATED

1 GHz TO 18 GHz

## POWER INVESTIGATED

3.8VDC

## CONFIGURATIONS INVESTIGATED

TELI0004-2

## MODES INVESTIGATED

GSM Band (PCS-1900), GPRS, Ch 810, 1909.8 MHz

WCDMA, Band II (PCS-1900), RMC, Ch 9400, 1880 MHz

LTE Band 25/2, Ch 18925 (Band 2), Ch 26365 (Band 25), 1882.5 MHz, QPSK, 20 MHz Bandwidth, RB 1, Offset 50

# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-12 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 22.1°C     |
| Attendees:        | None                        | Relative Humidity:    | 48.5%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1023 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 24.238:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 40 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

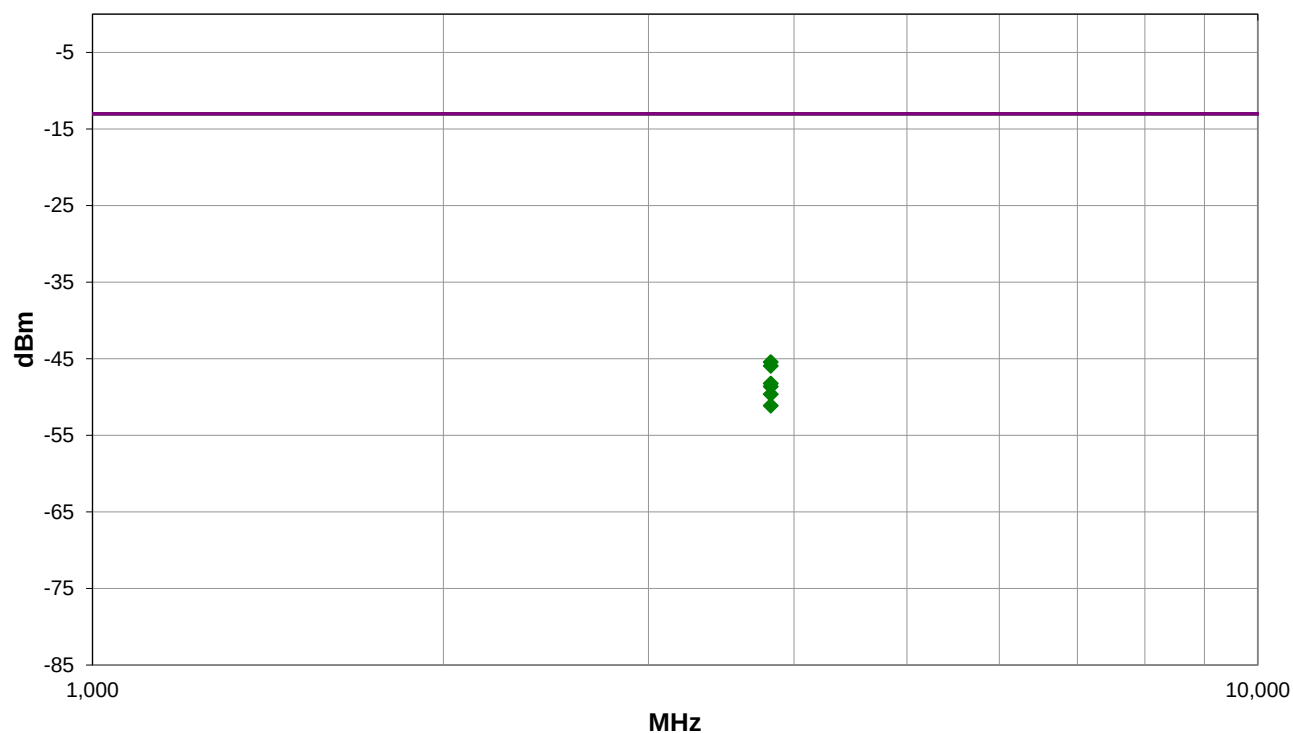
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

GSM Band (PCS-1900), GPRS, Ch 810, 1909.8 MHz

## DEVIATIONS FROM TEST STANDARD

None



Run #: 40

■ PK    ◆ AV    ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #40

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                   |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|----------------------------|
| 3819.633   | 1.2                     | 187.0             | Horz                     | AV       | 28.6E-9      | -45.4      | -13.0             | -32.4                  | Tx 1909.8 MHz, EUT Horz    |
| 3819.675   | 1.2                     | 359.0             | Horz                     | AV       | 25.5E-9      | -45.9      | -13.0             | -32.9                  | Tx 1909.8 MHz, EUT Vert    |
| 3819.625   | 1.2                     | 89.0              | Horz                     | AV       | 15.0E-9      | -48.2      | -13.0             | -35.2                  | Tx 1909.8 MHz, EUT on Side |
| 3819.625   | 1.12                    | 89.0              | Vert                     | AV       | 13.7E-9      | -48.6      | -13.0             | -35.6                  | Tx 1909.8 MHz, EUT on Side |
| 3819.592   | 1.18                    | 123.0             | Vert                     | AV       | 10.9E-9      | -49.6      | -13.0             | -36.6                  | Tx 1909.8 MHz, EUT Horz    |
| 3819.625   | 1.0                     | 3.0               | Vert                     | AV       | 7.7E-9       | -51.1      | -13.0             | -38.1                  | Tx 1909.8 MHz, EUT Vert    |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2022-12-30 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 22.7°C     |
| Attendees:        | None                        | Relative Humidity:    | 51.5%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1021 mb    |
| Tested By:        | Mark Baytan                 | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 24.238:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |   |                    |   |                     |           |
|--------|---|--------------------|---|---------------------|-----------|
| Run #: | 3 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|---|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643)

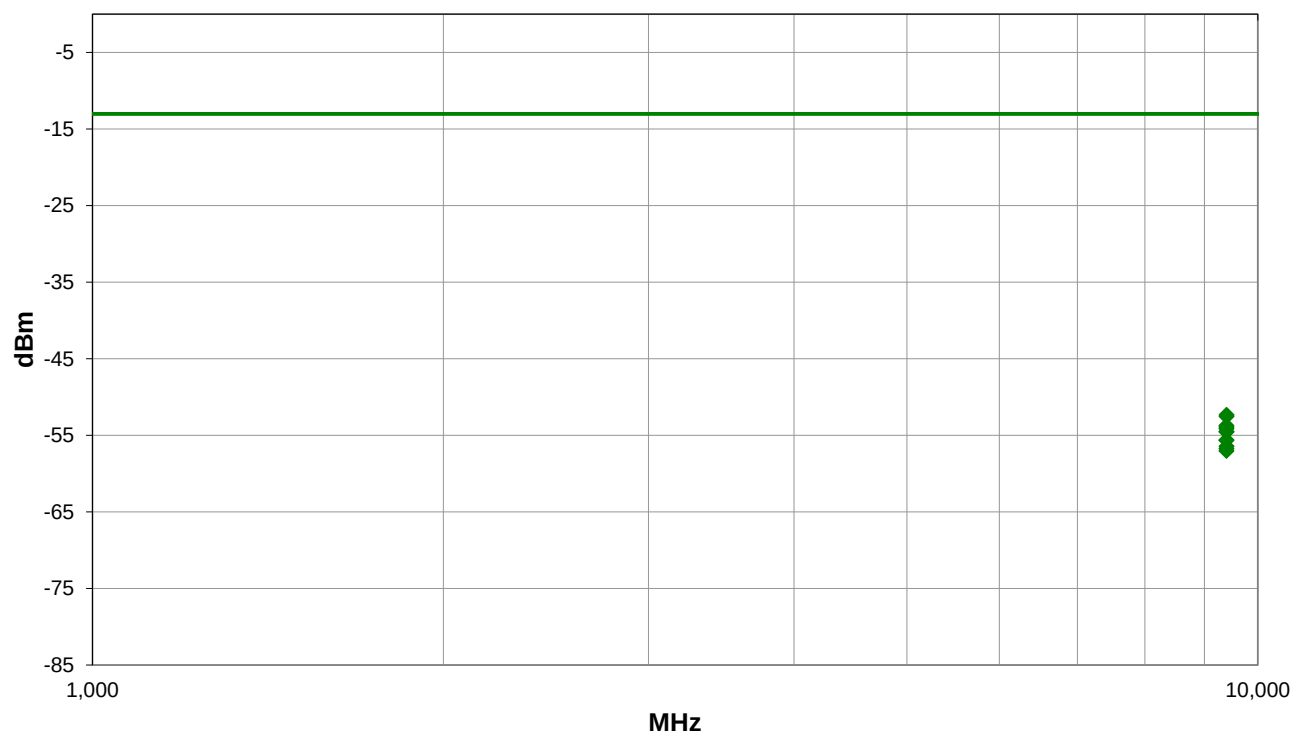
Spot check of out of band emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

WCDMA, Band II (PCS-1900), RMC, Ch 9400, 1880 MHz

## DEVIATIONS FROM TEST STANDARD

None



Run #: 3

■ PK ◆ AV ● QP



# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #3

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                       |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|--------------------------------|
| 9401.092   | 2.21                    | 212.0             | Horz                     | AV       | 5.8E-9       | -52.3      | -13.0             | -39.3                  | Ch 9400, EUT on Side, Ant 180° |
| 9401.217   | 2.2                     | 12.0              | Vert                     | AV       | 5.6E-9       | -52.5      | -13.0             | -39.5                  | Ch 9400, EUT Horz, Ant 90°     |
| 9398.733   | 1.84                    | 126.0             | Horz                     | AV       | 4.2E-9       | -53.7      | -13.0             | -40.7                  | Ch 9400, EUT Vert, Ant 180°    |
| 9398.958   | 1.96                    | 173.0             | Vert                     | AV       | 4.0E-9       | -53.9      | -13.0             | -40.9                  | Ch 9400, EUT Horz, Ant 180°    |
| 9398.900   | 1.65                    | 241.0             | Vert                     | AV       | 3.9E-9       | -54.1      | -13.0             | -41.1                  | Ch 9400, EUT Vert, Ant 90°     |
| 9401.192   | 1.5                     | 195.0             | Vert                     | AV       | 3.5E-9       | -54.5      | -13.0             | -41.5                  | Ch 9400, EUT Vert, Ant 180°    |
| 9398.867   | 1.49                    | 14.0              | Horz                     | AV       | 3.5E-9       | -54.5      | -13.0             | -41.5                  | Ch 9400, EUT on Side, Ant 90°  |
| 9398.742   | 3.5                     | 240.0             | Vert                     | AV       | 2.7E-9       | -55.6      | -13.0             | -42.6                  | Ch 9400, EUT on Side, Ant 180° |
| 9398.725   | 1.31                    | 235.0             | Vert                     | AV       | 2.7E-9       | -55.6      | -13.0             | -42.6                  | Ch 9400, EUT on Side, Ant 90°  |
| 9401.083   | 2.48                    | 56.0              | Horz                     | AV       | 2.3E-9       | -56.4      | -13.0             | -43.4                  | Ch 9400, EUT Horz, Ant 90°     |
| 9398.817   | 2.21                    | 61.0              | Horz                     | AV       | 2.1E-9       | -56.7      | -13.0             | -43.7                  | Ch 9400, EUT Horz, Ant 180°    |
| 9398.975   | 1.52                    | 221.0             | Horz                     | AV       | 2.0E-9       | -57.0      | -13.0             | -44.0                  | Ch 9400, EUT Vert, Ant 90°     |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-09 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 21.6°C     |
| Attendees:        | None                        | Relative Humidity:    | 58%        |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1020 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 24.238:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 11 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

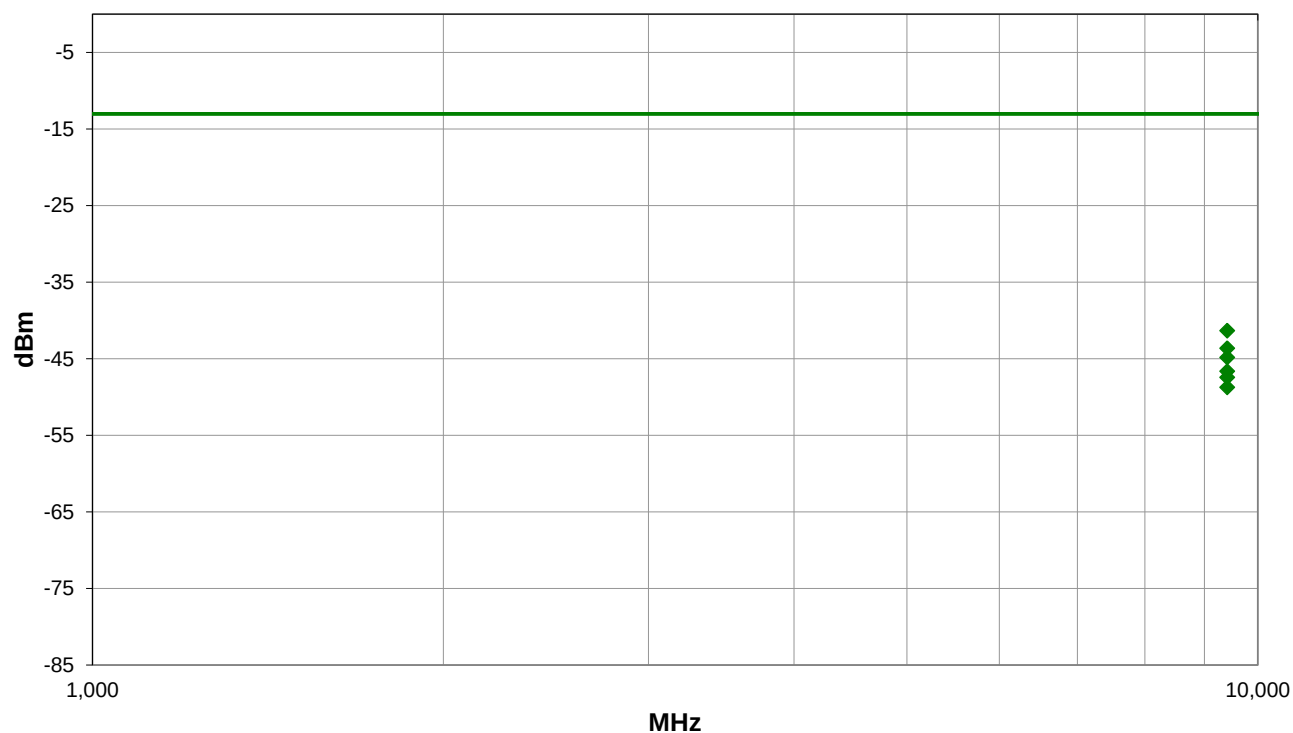
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

LTE Band 25/2, Ch 18925 (Band 2), Ch 26365 (Band 25), 1882.5 MHz, QPSK, 20 MHz Bandwidth, RB 1, Offset 50

## DEVIATIONS FROM TEST STANDARD

None



Run #: 11

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #11

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                             |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|--------------------------------------|
| 9412.975   | 1.92                    | 263.0             | Horz                     | AV       | 73.6E-9      | -41.3      | -13.0             | -28.3                  | Tx 1882.5 MHz, EUT on Side, Ant 180° |
| 9412.992   | 2.2                     | 13.0              | Vert                     | AV       | 43.4E-9      | -43.6      | -13.0             | -30.6                  | Tx 1882.5 MHz, EUT Horz, Ant 180°    |
| 9412.950   | 1.79                    | 128.0             | Horz                     | AV       | 32.9E-9      | -44.8      | -13.0             | -31.8                  | Tx 1882.5 MHz, EUT Vert, Ant 180°    |
| 9413.000   | 1.58                    | 207.0             | Vert                     | AV       | 21.7E-9      | -46.6      | -13.0             | -33.6                  | Tx 1882.5 MHz, EUT Vert, Ant 180°    |
| 9412.958   | 1.89                    | 251.0             | Vert                     | AV       | 18.1E-9      | -47.4      | -13.0             | -34.4                  | Tx 1882.5 MHz, EUT on Side, Ant 180° |
| 9412.950   | 2.31                    | 57.0              | Horz                     | AV       | 13.4E-9      | -48.7      | -13.0             | -35.7                  | Tx 1882.5 MHz, EUT Horz, Ant 180°    |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS

## TEST DESCRIPTION

At an approved test site, the transmitter was placed on a remotely controlled turntable, and the measurement antenna was placed 3 meters from the transmitter. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axes. The turntable azimuth was varied to maximize the level of spurious emissions. The height of the measurement antenna was also varied from 1 to 4 meters. A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity. The amplitude and frequency of the highest emissions was noted.

The transmitter was then replaced with a  $\frac{1}{2}$  wave dipole that was successively tuned to each of the highest spurious emissions for emissions below 1 GHz, and a horn antenna for emissions above 1 GHz. A signal generator was connected to the dipole (horn antenna for frequencies above 1 GHz), and its output was adjusted to match the level previously noted for each frequency. The output of the signal generator was recorded, and by factoring in the cable loss to the antenna and its gain, the power (dBm) was determined for each radiated spurious emission.

## TEST EQUIPMENT

| Description                  | Manufacturer    | Model                  | ID  | Last Cal.  | Cal. Due   |
|------------------------------|-----------------|------------------------|-----|------------|------------|
| Antenna - Standard Gain      | EMCO            | 3160-08                | AHK | NCR        | NCR        |
| Cable                        | ESM Cable Corp. | 8-18GHz Cables         | OCY | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-12001800-30-10P | AVP | 2022-02-04 | 2023-02-04 |
| Analyzer - Spectrum Analyzer | Agilent         | E4446A                 | AAV | 2022-12-06 | 2023-12-06 |
| Antenna - Standard Gain      | ETS Lindgren    | 3160-07                | AHX | NCR        | NCR        |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-08001200-30-10P | AVL | 2022-02-04 | 2023-02-04 |
| Filter - High Pass           | Micro-Tronics   | HPM50111               | HGQ | 2022-01-13 | 2023-01-13 |
| Antenna - Double Ridge       | EMCO            | 3115                   | AHB | 2022-04-13 | 2024-04-13 |
| Cable                        | ESM Cable Corp. | 1-8GHz Cables          | OCX | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-3D-00100800-32-13P | AVJ | 2022-02-04 | 2023-02-04 |
| Generator - Signal           | Agilent         | E8257D                 | TGU | 2020-11-03 | 2023-11-03 |
| Power Sensor                 | Agilent         | E4412A                 | SQE | 2022-12-16 | 2023-12-16 |
| Meter - Power                | Hewlett Packard | E4418A                 | SPA | 2022-12-16 | 2023-12-16 |

## MEASUREMENT UNCERTAINTY

| Description  |        |         |
|--------------|--------|---------|
| Expanded k=2 | 5.1 dB | -5.1 dB |

## FREQUENCY RANGE INVESTIGATED

1 GHz TO 18 GHz

## POWER INVESTIGATED

3.8VDC

## CONFIGURATIONS INVESTIGATED

TELI0004-2

## MODES INVESTIGATED

LTE Band 4, Ch 20300, 1745 MHz, QPSK, 20 MHz Bandwidth, RB 1, Offset 50  
LTE Band 12, Ch 23130, 711 MHz, QPSK, 10 MHz Bandwidth, RB 1, Offset 25  
LTE Band 13, Ch 23130, 782 MHz, QPSK, 10 MHz Bandwidth, RB 1, Offset 25  
WCDMA, Band IV (AWS-1700), RMC, Ch 1312, 1712.4 MHz

# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-09 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 22.4°C     |
| Attendees:        | None                        | Relative Humidity:    | 42%        |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1022 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                |                  |
|----------------|------------------|
| Specification: | Method:          |
| FCC 27.53:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |   |                    |   |                     |           |
|--------|---|--------------------|---|---------------------|-----------|
| Run #: | 7 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|---|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643)

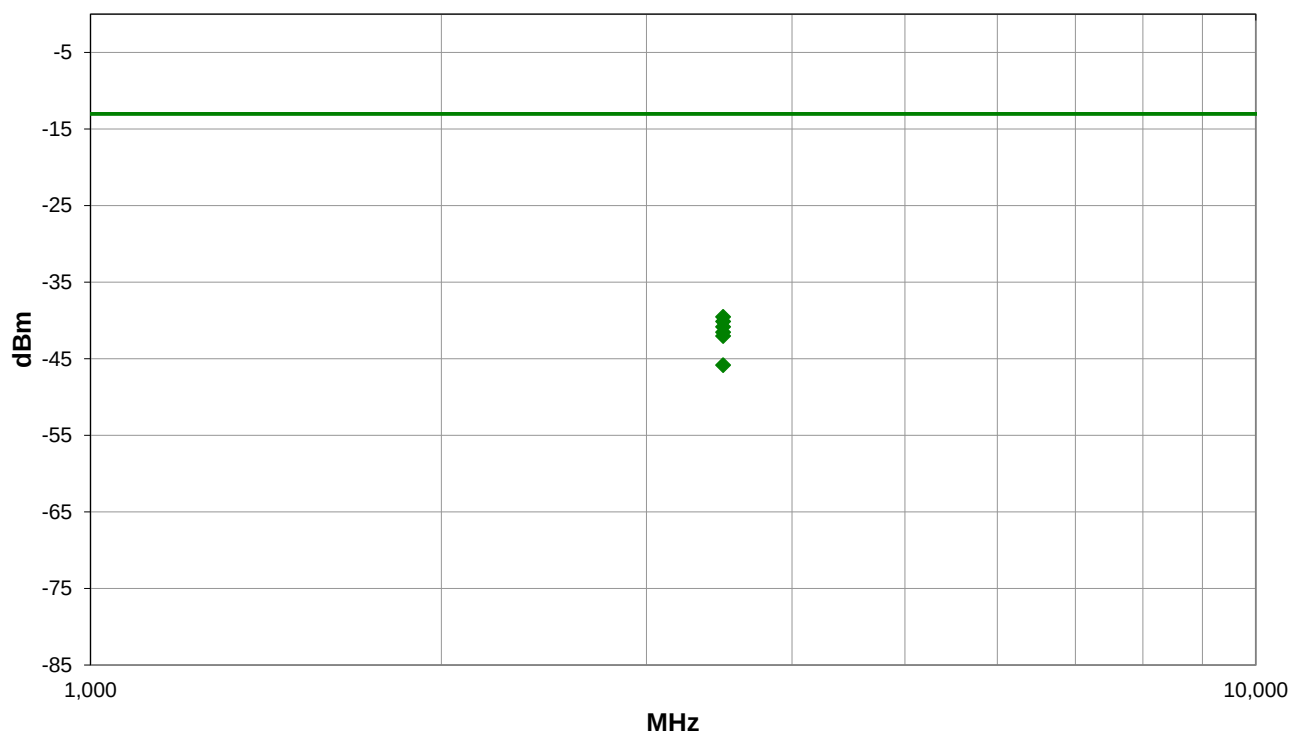
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

LTE Band 4, Ch 20300, 1745 MHz, QPSK, 20 MHz Bandwidth, RB 1, Offset 50

## DEVIATIONS FROM TEST STANDARD

None



Run #: 7

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #7

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                        |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|---------------------------------|
| 3490.150   | 1.2                     | 191.0             | Horz                     | AV       | 111.5E-9     | -39.5      | -13.0             | -26.5                  | Ch 20300. EUT on Side, Ant 180° |
| 3490.167   | 1.01                    | 267.0             | Horz                     | AV       | 97.1E-9      | -40.1      | -13.0             | -27.1                  | Ch 20300. EUT Horz, Ant 180°    |
| 3490.150   | 1.2                     | 350.0             | Vert                     | AV       | 82.6E-9      | -40.8      | -13.0             | -27.8                  | Ch 20300. EUT Vert, Ant 180°    |
| 3490.158   | 3.5                     | 308.0             | Vert                     | AV       | 70.3E-9      | -41.5      | -13.0             | -28.5                  | Ch 20300. EUT on Side, Ant 180° |
| 3490.167   | 3.77                    | 206.0             | Vert                     | AV       | 62.7E-9      | -42.0      | -13.0             | -29.0                  | Ch 20300. EUT Horz, Ant 180°    |
| 3490.100   | 1.2                     | 169.0             | Horz                     | AV       | 26.1E-9      | -45.8      | -13.0             | -32.8                  | Ch 20300. EUT Vert, Ant 180°    |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-10 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 22.1°C     |
| Attendees:        | None                        | Relative Humidity:    | 56.1%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1020 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                |                  |
|----------------|------------------|
| Specification: | Method:          |
| FCC 27.53:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 19 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

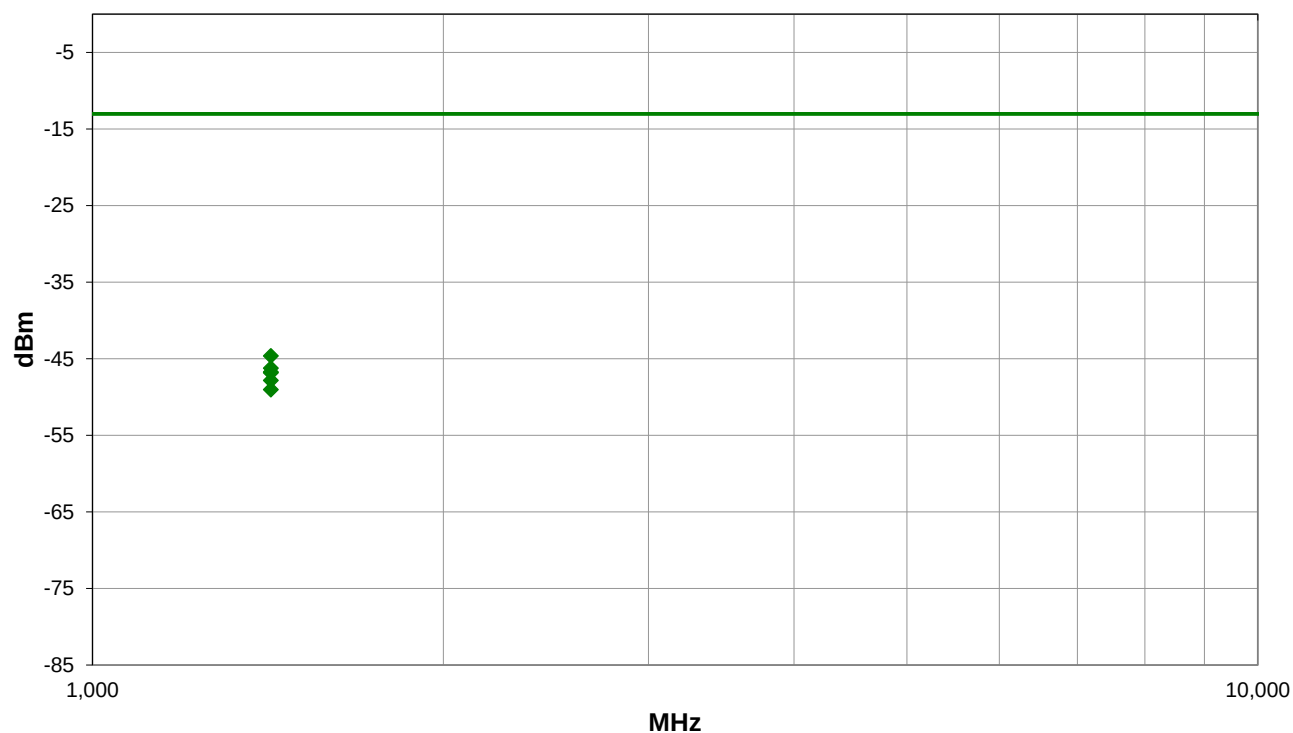
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

LTE Band 12, Ch 23130, 711 MHz, QPSK, 10 MHz Bandwidth, RB 1, Offset 25

## DEVIATIONS FROM TEST STANDARD

None



Run #: 19

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #19

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                          |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|-----------------------------------|
| 1422.350   | 3.89                    | 141.0             | Horz                     | AV       | 34.4E-9      | -44.6      | -13.0             | -31.6                  | Tx 711 MHz, EUT on Side, ANT 180° |
| 1422.350   | 1.28                    | 4.0               | Vert                     | AV       | 23.8E-9      | -46.2      | -13.0             | -33.2                  | Tx 711 MHz, EUT Horz, ANT 180°    |
| 1422.325   | 1.2                     | 280.0             | Horz                     | AV       | 21.2E-9      | -46.7      | -13.0             | -33.7                  | Tx 711 MHz, EUT Vert, ANT 180°    |
| 1422.350   | 1.09                    | 330.0             | Horz                     | AV       | 20.8E-9      | -46.8      | -13.0             | -33.8                  | Tx 711 MHz, EUT Horz, ANT 180°    |
| 1422.325   | 2.65                    | 234.0             | Vert                     | AV       | 16.5E-9      | -47.8      | -13.0             | -34.8                  | Tx 711 MHz, EUT Vert, ANT 180°    |
| 1422.317   | 1.17                    | 271.0             | Vert                     | AV       | 12.5E-9      | -49.0      | -13.0             | -36.0                  | Tx 711 MHz, EUT on Side, ANT 180° |

## CONCLUSION

Pass



Tested By



# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-12 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 20.9°C     |
| Attendees:        | None                        | Relative Humidity:    | 47.5%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1026 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                |                  |
|----------------|------------------|
| Specification: | Method:          |
| FCC 27.53:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 22 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

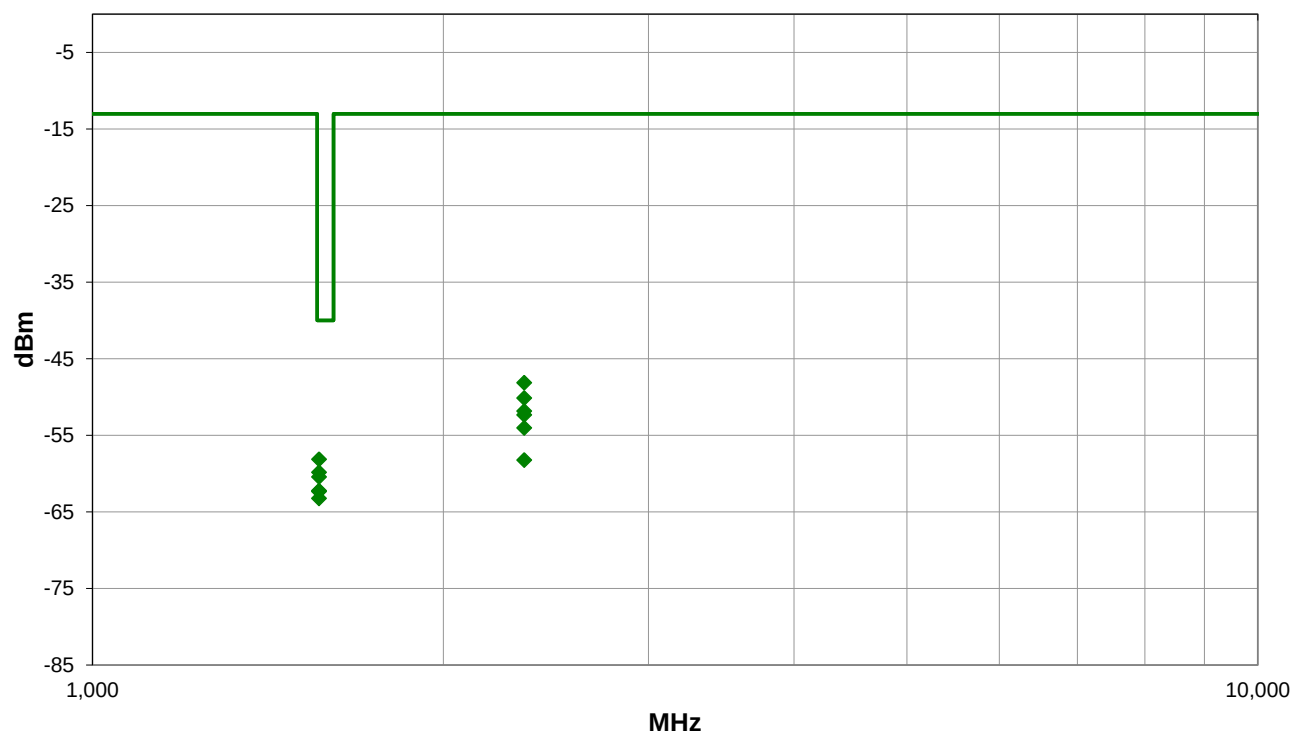
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

LTE Band 13, Ch 23130, 782 MHz, QPSK, 10 MHz Bandwidth, RB 1, Offset 25

## DEVIATIONS FROM TEST STANDARD

None



Run #: 22

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #22

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|-------------------------|
| 1564.458   | 1.69                    | 44.0              | Horz                     | AV       | 1.5E-9       | -58.1      | -40.0             | -18.1                  | Tx 782 MHz, EUT Vert    |
| 1564.408   | 3.12                    | 40.0              | Vert                     | AV       | 1.0E-9       | -59.8      | -40.0             | -19.8                  | Tx 782 MHz, EUT on Side |
| 1564.383   | 1.18                    | 83.0              | Horz                     | AV       | 906.0E-12    | -60.4      | -40.0             | -20.4                  | Tx 782 MHz, EUT on Side |
| 1564.342   | 1.2                     | 329.0             | Vert                     | AV       | 598.6E-12    | -62.2      | -40.0             | -22.2                  | Tx 782 MHz, EUT Horz    |
| 1564.358   | 1.04                    | 341.0             | Vert                     | AV       | 585.0E-12    | -62.3      | -40.0             | -22.3                  | Tx 782 MHz, EUT Vert    |
| 1564.300   | 1.28                    | 210.0             | Horz                     | AV       | 475.5E-12    | -63.2      | -40.0             | -23.2                  | Tx 782 MHz, EUT Horz    |
| 2346.492   | 1.2                     | 312.0             | Horz                     | AV       | 15.4E-9      | -48.1      | -13.0             | -35.1                  | Tx 782 MHz, EUT Horz    |
| 2346.542   | 1.14                    | 47.0              | Horz                     | AV       | 9.7E-9       | -50.1      | -13.0             | -37.1                  | Tx 782 MHz, EUT on Side |
| 2346.508   | 3.67                    | 30.0              | Vert                     | AV       | 6.6E-9       | -51.8      | -13.0             | -38.8                  | Tx 782 MHz, EUT Horz    |
| 2346.508   | 1.2                     | 295.0             | Vert                     | AV       | 5.8E-9       | -52.3      | -13.0             | -39.3                  | Tx 782 MHz, EUT Vert    |
| 2346.550   | 1.2                     | 72.0              | Horz                     | AV       | 4.0E-9       | -54.0      | -13.0             | -41.0                  | Tx 782 MHz, EUT Vert    |
| 2346.567   | 1.2                     | 241.0             | Vert                     | AV       | 1.5E-9       | -58.2      | -13.0             | -45.2                  | Tx 782 MHz, EUT on Side |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-12 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 22.1°C     |
| Attendees:        | None                        | Relative Humidity:    | 48.4%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1023 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                |                  |
|----------------|------------------|
| Specification: | Method:          |
| FCC 27.53:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 37 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

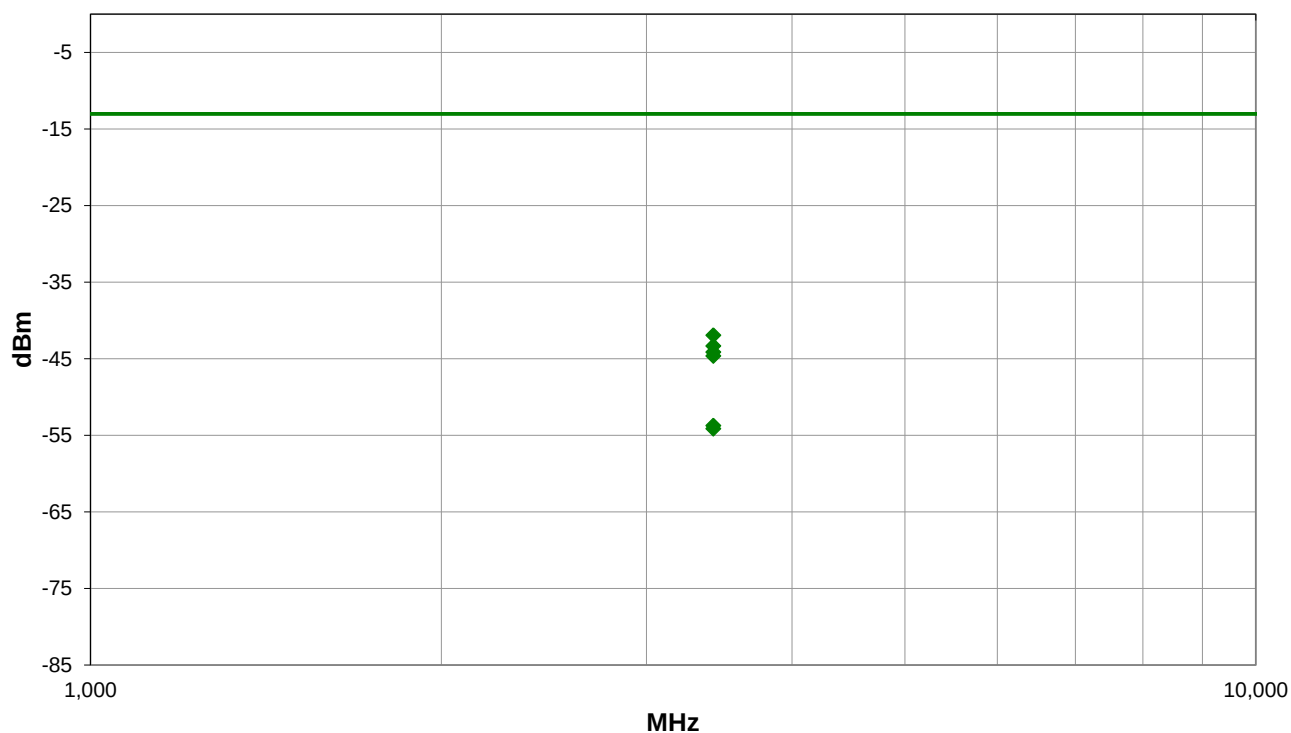
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

WCDMA, Band IV (AWS-1700), RMC, Ch 1312, 1712.4 MHz

## DEVIATIONS FROM TEST STANDARD

None



Run #: 37

■ PK    ◆ AV    ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #37

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                   |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|----------------------------|
| 3423.442   | 1.18                    | 305.0             | Horz                     | AV       | 64.1E-9      | -41.9      | -13.0             | -28.9                  | Tx 1712.4 MHz, EUT Horz    |
| 3423.192   | 3.86                    | 201.0             | Vert                     | AV       | 46.5E-9      | -43.3      | -13.0             | -30.3                  | Tx 1712.4 MHz, EUT Vert    |
| 3423.158   | 1.17                    | 9.0               | Horz                     | AV       | 38.6E-9      | -44.1      | -13.0             | -31.1                  | Tx 1712.4 MHz, EUT on Side |
| 3423.325   | 3.22                    | 339.0             | Vert                     | AV       | 34.4E-9      | -44.6      | -13.0             | -31.6                  | Tx 1712.4 MHz, EUT on Side |
| 3423.325   | 1.23                    | 355.0             | Horz                     | AV       | 4.2E-9       | -53.7      | -13.0             | -40.7                  | Tx 1712.4 MHz, EUT Vert    |
| 3423.217   | 1.2                     | 314.0             | Vert                     | AV       | 3.9E-9       | -54.1      | -13.0             | -41.1                  | Tx 1712.4 MHz, EUT Horz    |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS

## TEST DESCRIPTION

At an approved test site, the transmitter is placed on a remotely controlled turntable, and the measurement antenna is placed 3 meters from the transmitter. The turntable azimuth is varied to maximize the level of spurious emissions. The height of the measurement antenna is also varied from 1 to 4 meters. The amplitude and frequency of the highest emissions are noted. The transmitter is then replaced with a  $\frac{1}{2}$  wave dipole that is successively tuned to each of the highest spurious emissions. A signal generator is connected to the dipole (horn antenna for frequencies above 1 GHz), and its output is adjusted to match the level previously noted for each frequency. The output of the signal generator is recorded, and by factoring in the cable loss to the dipole antenna and its gain, the power (dBm) into an ideal  $\frac{1}{2}$  wave dipole antenna is determined for each radiated spurious emission.

## TEST EQUIPMENT

| Description                  | Manufacturer    | Model                  | ID  | Last Cal.  | Cal. Due   |
|------------------------------|-----------------|------------------------|-----|------------|------------|
| Antenna - Double Ridge       | EMCO            | 3115                   | AHB | 2022-04-13 | 2024-04-13 |
| Cable                        | ESM Cable Corp. | 1-8GHz Cables          | OCX | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-3D-00100800-32-13P | AVJ | 2022-02-04 | 2023-02-04 |
| Filter - High Pass           | Micro-Tronics   | HPM50108               | HGP | 2022-01-13 | 2023-01-13 |
| Analyzer - Spectrum Analyzer | Agilent         | E4446A                 | AAY | 2022-12-06 | 2023-12-06 |
| Antenna - Standard Gain      | ETS Lindgren    | 3160-07                | AHX | NCR        | NCR        |
| Cable                        | ESM Cable Corp. | 8-18GHz Cables         | OCY | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-08001200-30-10P | AVL | 2022-02-04 | 2023-02-04 |
| Filter - High Pass           | Micro-Tronics   | HPM50111               | HGQ | 2022-01-13 | 2023-01-13 |
| Antenna - Standard Gain      | EMCO            | 3160-08                | AHK | NCR        | NCR        |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-12001800-30-10P | AVP | 2022-02-04 | 2023-02-04 |
| Generator - Signal           | Agilent         | E8257D                 | TGU | 2020-11-03 | 2023-11-03 |
| Power Sensor                 | Agilent         | E4412A                 | SQE | 2022-12-16 | 2023-12-16 |
| Meter - Power                | Hewlett Packard | E4418A                 | SPA | 2022-12-16 | 2023-12-16 |

## MEASUREMENT UNCERTAINTY

| Description  |        |         |
|--------------|--------|---------|
| Expanded k=2 | 5.1 dB | -5.1 dB |

## FREQUENCY RANGE INVESTIGATED

1 GHz TO 18 GHz

## POWER INVESTIGATED

3.8VDC

## CONFIGURATIONS INVESTIGATED

TELI0004-2

## MODES INVESTIGATED

LTE Band 26, Ch 26740, 819 MHz, QPSK, 10 MHz Bandwidth, RB 1, Offset 25

# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-12 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 21°C       |
| Attendees:        | None                        | Relative Humidity:    | 48%        |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1026 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                    |                  |
|--------------------|------------------|
| Specification:     | Method:          |
| FCC 90.543(e):2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 25 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

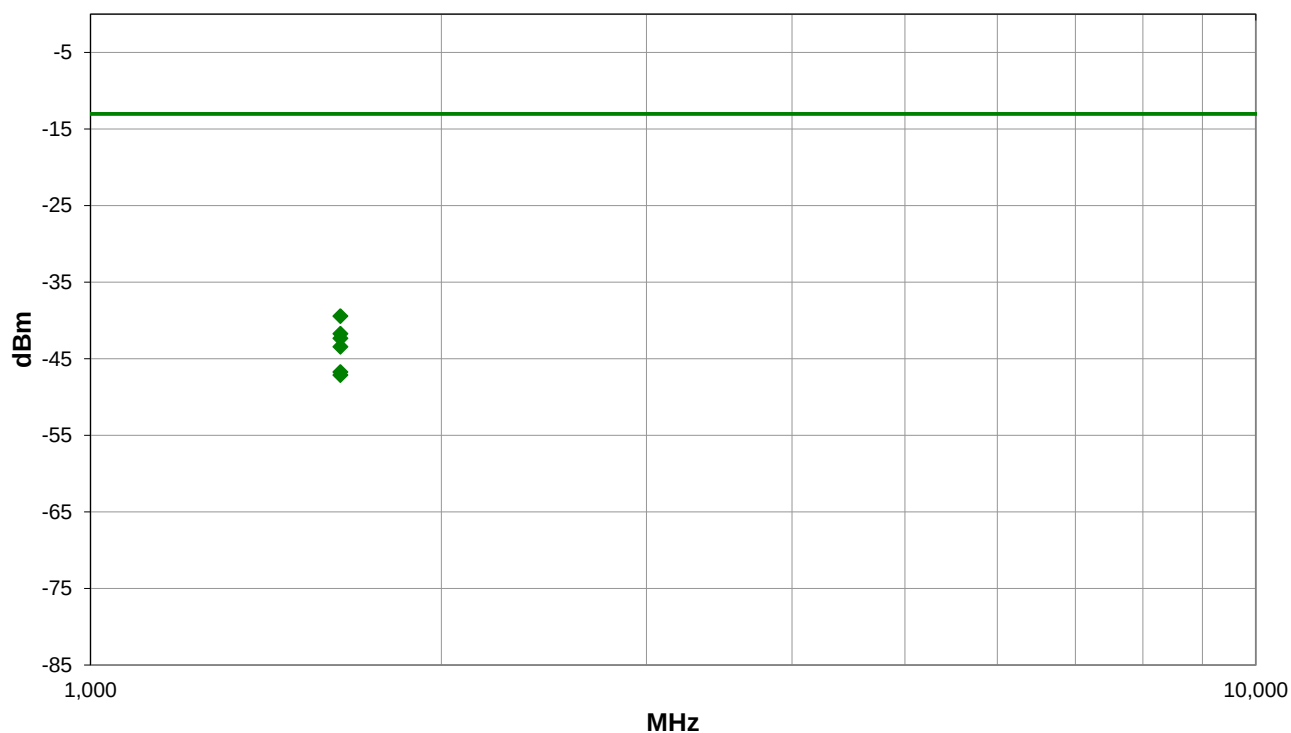
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

LTE Band 26, Ch 26740, 819 MHz, QPSK, 10 MHz Bandwidth, RB 1, Offset 25

## DEVIATIONS FROM TEST STANDARD

None



Run #: 25

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #25

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|-------------------------|
| 1638.317   | 1.1                     | 135.0             | Horz                     | AV       | 114.1E-9     | -39.4      | -13.0             | -26.4                  | Tx 819 MHz, EUT Horz    |
| 1638.367   | 1.2                     | 0.0               | Vert                     | AV       | 67.2E-9      | -41.7      | -13.0             | -28.7                  | Tx 819 MHz, EUT Vert    |
| 1638.375   | 1.2                     | 84.0              | Horz                     | AV       | 58.5E-9      | -42.3      | -13.0             | -29.3                  | Tx 819 MHz, EUT on Side |
| 1638.342   | 3.08                    | 37.0              | Vert                     | AV       | 45.4E-9      | -43.4      | -13.0             | -30.4                  | Tx 819 MHz, EUT on Side |
| 1638.308   | 1.01                    | 70.0              | Horz                     | AV       | 21.2E-9      | -46.7      | -13.0             | -33.7                  | Tx 819 MHz, EUT Vert    |
| 1638.317   | 1.16                    | 342.0             | Vert                     | AV       | 19.4E-9      | -47.1      | -13.0             | -34.1                  | Tx 819 MHz, EUT Horz    |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS

## TEST DESCRIPTION

At an approved test site, the transmitter is placed on a remotely controlled turntable, and the measurement antenna is placed 3 meters from the transmitter. The turntable azimuth is varied to maximize the level of spurious emissions. The height of the measurement antenna is also varied from 1 to 4 meters. The amplitude and frequency of the highest emissions are noted. The transmitter is then replaced with a  $\frac{1}{2}$  wave dipole that is successively tuned to each of the highest spurious emissions. A signal generator is connected to the dipole (horn antenna for frequencies above 1 GHz), and its output is adjusted to match the level previously noted for each frequency. The output of the signal generator is recorded, and by factoring in the cable loss to the dipole antenna and its gain, the power (dBm) into an ideal  $\frac{1}{2}$  wave dipole antenna is determined for each radiated spurious emission.

## TEST EQUIPMENT

| Description                  | Manufacturer    | Model                  | ID  | Last Cal.  | Cal. Due   |
|------------------------------|-----------------|------------------------|-----|------------|------------|
| Antenna - Standard Gain      | EMCO            | 3160-08                | AHK | NCR        | NCR        |
| Cable                        | ESM Cable Corp. | 8-18GHz Cables         | OCY | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-12001800-30-10P | AVP | 2022-02-04 | 2023-02-04 |
| Filter - High Pass           | Micro-Tronics   | HPM50111               | HGQ | 2022-01-13 | 2023-01-13 |
| Analyzer - Spectrum Analyzer | Agilent         | E4446A                 | AAY | 2022-12-06 | 2023-12-06 |
| Antenna - Standard Gain      | ETS Lindgren    | 3160-07                | AHX | NCR        | NCR        |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-6F-08001200-30-10P | AVL | 2022-02-04 | 2023-02-04 |
| Antenna - Double Ridge       | EMCO            | 3115                   | AHB | 2022-04-13 | 2024-04-13 |
| Cable                        | ESM Cable Corp. | 1-8GHz Cables          | OCX | 2022-02-04 | 2023-02-04 |
| Amplifier - Pre-Amplifier    | Miteq           | AMF-3D-00100800-32-13P | AVJ | 2022-02-04 | 2023-02-04 |
| Filter - High Pass           | Micro-Tronics   | HPM50108               | HGP | 2022-01-13 | 2023-01-13 |
| Generator - Signal           | Agilent         | E8257D                 | TGU | 2020-11-03 | 2023-11-03 |
| Power Sensor                 | Agilent         | E4412A                 | SQE | 2022-12-16 | 2023-12-16 |
| Meter - Power                | Hewlett Packard | E4418A                 | SPA | 2022-12-16 | 2023-12-16 |

## MEASUREMENT UNCERTAINTY

| Description  |        |         |
|--------------|--------|---------|
| Expanded k=2 | 5.2 dB | -5.2 dB |

## FREQUENCY RANGE INVESTIGATED

1 GHz TO 18 GHz

## POWER INVESTIGATED

3.8VDC

## CONFIGURATIONS INVESTIGATED

TELI0004-2

## MODES INVESTIGATED

LTE Band 14, Ch 23305, 790.5 MHz, QPSK, 5 MHz Bandwidth, RB 1, Offset 12



# SPURIOUS RADIATED EMISSIONS

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C4-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-01-12 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 21.8°C     |
| Attendees:        | None                        | Relative Humidity:    | 47.1%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1024 mb    |
| Tested By:        | Nolan De Ramos              | Job Site:             | OC07       |
| Power:            | 3.8VDC                      | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                    |                  |
|--------------------|------------------|
| Specification:     | Method:          |
| FCC 90.543(f):2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |    |                    |   |                     |           |
|--------|----|--------------------|---|---------------------|-----------|
| Run #: | 28 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|----|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643).

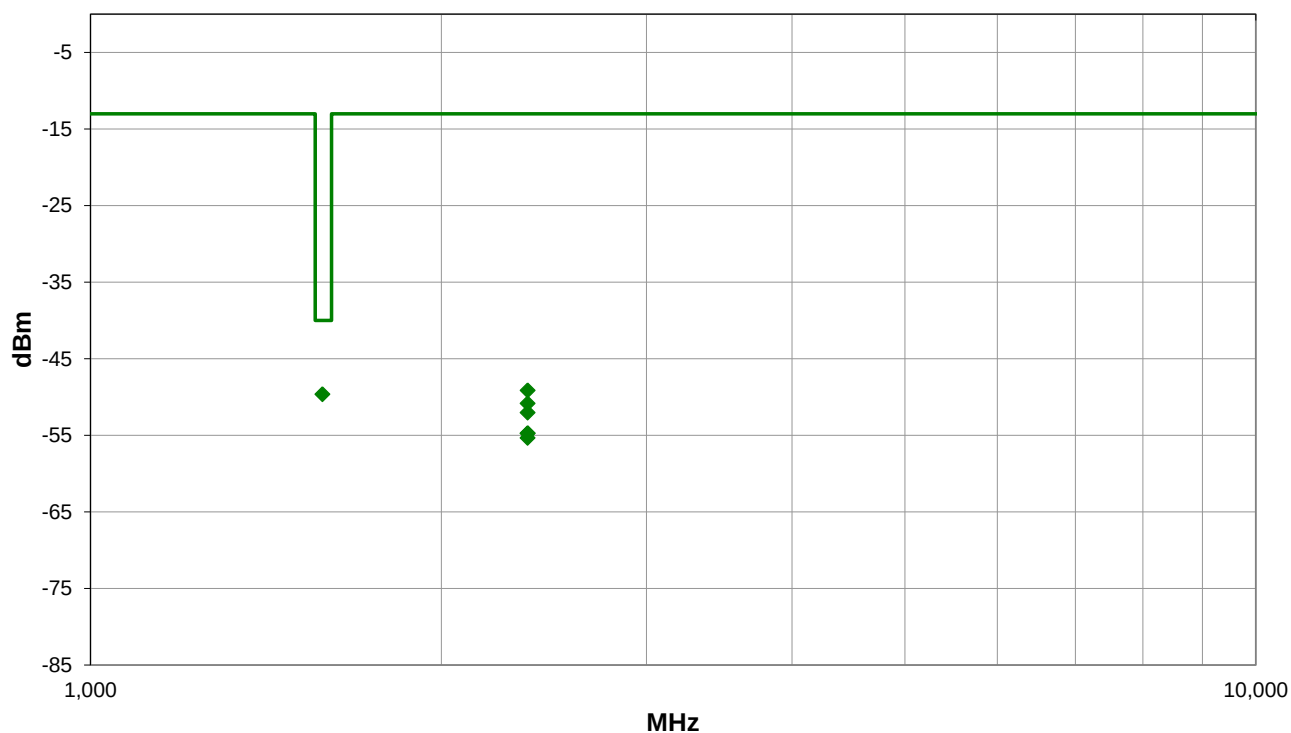
Spot check of Spurious Radiated Emissions based on worst case: FCC ID: RI7LE910CXWWX

## EUT OPERATING MODES

LTE Band 14, Ch 23305, 790.5 MHz, QPSK, 5 MHz Bandwidth, RB 1, Offset 12

## DEVIATIONS FROM TEST STANDARD

None



Run #: 28

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS

## RESULTS - Run #28

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments                  |
|------------|-------------------------|-------------------|--------------------------|----------|--------------|------------|-------------------|------------------------|---------------------------|
| 1581.152   | 1.2                     | 293.0             | Horz                     | AV       | 10.9E-9      | -49.6      | -40.0             | -9.6                   | Tx 790.5 MHz, EUT Horz    |
| 2371.833   | 1.2                     | 308.0             | Horz                     | AV       | 12.2E-9      | -49.1      | -13.0             | -36.1                  | Tx 790.5 MHz, EUT Horz    |
| 2371.700   | 1.05                    | 268.0             | Horz                     | AV       | 8.3E-9       | -50.8      | -13.0             | -37.8                  | Tx 790.5 MHz, EUT on Side |
| 2371.658   | 1.0                     | 275.0             | Vert                     | AV       | 6.3E-9       | -52.0      | -13.0             | -39.0                  | Tx 790.5 MHz, EUT Vert    |
| 2371.783   | 1.0                     | 40.0              | Vert                     | AV       | 3.4E-9       | -54.7      | -13.0             | -41.7                  | Tx 790.5 MHz, EUT Horz    |
| 2371.750   | 1.0                     | 27.0              | Horz                     | AV       | 3.4E-9       | -54.7      | -13.0             | -41.7                  | Tx 790.5 MHz, EUT Vert    |
| 2371.517   | 1.14                    | 16.0              | Vert                     | AV       | 2.9E-9       | -55.3      | -13.0             | -42.3                  | Tx 790.5 MHz, EUT on Side |

## CONCLUSION

Pass



Tested By

# SPURIOUS RADIATED EMISSIONS – FCC

## Band 7



### TEST DESCRIPTION

At an approved test site, the transmitter was placed on a remotely controlled turntable, and the measurement antenna was placed 3 meters from the transmitter. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axes. The turntable azimuth was varied to maximize the level of spurious emissions. The height of the measurement antenna was also varied from 1 to 4 meters. A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity. The amplitude and frequency of the highest emissions was noted.

The transmitter was then replaced with a  $\frac{1}{2}$  wave dipole that was successively tuned to each of the highest spurious emissions for emissions below 1 GHz, and a horn antenna for emissions above 1 GHz. A signal generator was connected to the dipole (horn antenna for frequencies above 1 GHz), and its output was adjusted to match the level previously noted for each frequency. The output of the signal generator was recorded, and by factoring in the cable loss to the antenna and its gain, the power (dBm) was determined for each radiated spurious emission.

### TEST EQUIPMENT

| Description                     | Manufacturer    | Model                     | ID  | Last Cal.  | Cal. Due   |
|---------------------------------|-----------------|---------------------------|-----|------------|------------|
| Analyzer - Spectrum Analyzer    | Agilent         | N9010A                    | AFI | 2022-12-19 | 2023-12-19 |
| Antenna - Double Ridge          | ETS Lindgren    | 3115                      | AIZ | 2022-03-02 | 2024-03-02 |
| Antenna - Standard Gain         | ETS Lindgren    | 3160-07                   | AHU | NCR        | NCR        |
| Antenna - Standard Gain         | ETS Lindgren    | 3160-08                   | AHV | NCR        | NCR        |
| Amplifier - Pre-Amplifier       | Miteq           | AMF-3D-00100800-32-13P    | PAG | 2022-05-03 | 2023-05-03 |
| Amplifier - Pre-Amplifier       | L-3 Narda-MITEQ | AMF-6F-08001200-30-10P    | PAO | 2022-11-03 | 2023-11-03 |
| Amplifier - Pre-Amplifier       | Miteq           | AMF-6F-12001800-30-10P    | AVD | 2022-11-03 | 2023-11-03 |
| Cable                           | N/A             | Double Ridge Horn Cables  | EVB | 2023-02-12 | 2024-02-12 |
| Cable                           | None            | Standard Gain Horn Cables | EVF | 2022-11-03 | 2023-11-03 |
| Cellular Base Station Simulator | Anritsu         | MT8820C                   | AFK | NCR        | NCR        |
| Antenna - Double Ridge          | EMCO            | 3115                      | AHC | 2022-07-08 | 2024-07-08 |
| Generator - Signal              | Keysight        | N5182B                    | TFU | 2022-12-02 | 2024-12-02 |
| Power Sensor                    | Agilent         | E9300H                    | SQO | 2022-10-17 | 2023-10-17 |
| Meter - Power                   | Agilent         | N1913A                    | SQR | 2022-10-17 | 2023-10-17 |

### MEASUREMENT UNCERTAINTY

| Description  |        |         |
|--------------|--------|---------|
| Expanded k=2 | 5.2 dB | -5.2 dB |

### FREQUENCY RANGE INVESTIGATED

2700 MHz TO 18000 MHz

### POWER INVESTIGATED

3.8 VDC

### CONFIGURATIONS INVESTIGATED

TELI0004-TELI0004-2

### MODES INVESTIGATED

LTE Band 7, Ch 21100, 2535 MHz, QPSK, 20 MHz Bandwidth, 1 RB, Offset 50

# SPURIOUS RADIATED EMISSIONS – FCC Band 7

|                   |                             |                       |            |
|-------------------|-----------------------------|-----------------------|------------|
| EUT:              | LE910C1-WWX                 | Work Order:           | TELI0004   |
| Serial Number:    | ENG Sample 2                | Date:                 | 2023-03-10 |
| Customer:         | Telit Communications S.p.A. | Temperature:          | 19.9°C     |
| Attendees:        | None                        | Relative Humidity:    | 37.4%      |
| Customer Project: | None                        | Bar. Pressure (PMSL): | 1003 mb    |
| Tested By:        | Jeff Alcock                 | Job Site:             | EV01       |
| Power:            | 3.8 VDC                     | Configuration:        | TELI0004-2 |

## TEST SPECIFICATIONS

|                |                  |
|----------------|------------------|
| Specification: | Method:          |
| FCC 27.53:2023 | ANSI C63.26:2015 |

## TEST PARAMETERS

|        |   |                    |   |                     |           |
|--------|---|--------------------|---|---------------------|-----------|
| Run #: | 3 | Test Distance (m): | 3 | Ant. Height(s) (m): | 1 to 4(m) |
|--------|---|--------------------|---|---------------------|-----------|

## COMMENTS

Data Terminal Module (IMEI: 353338970545643)

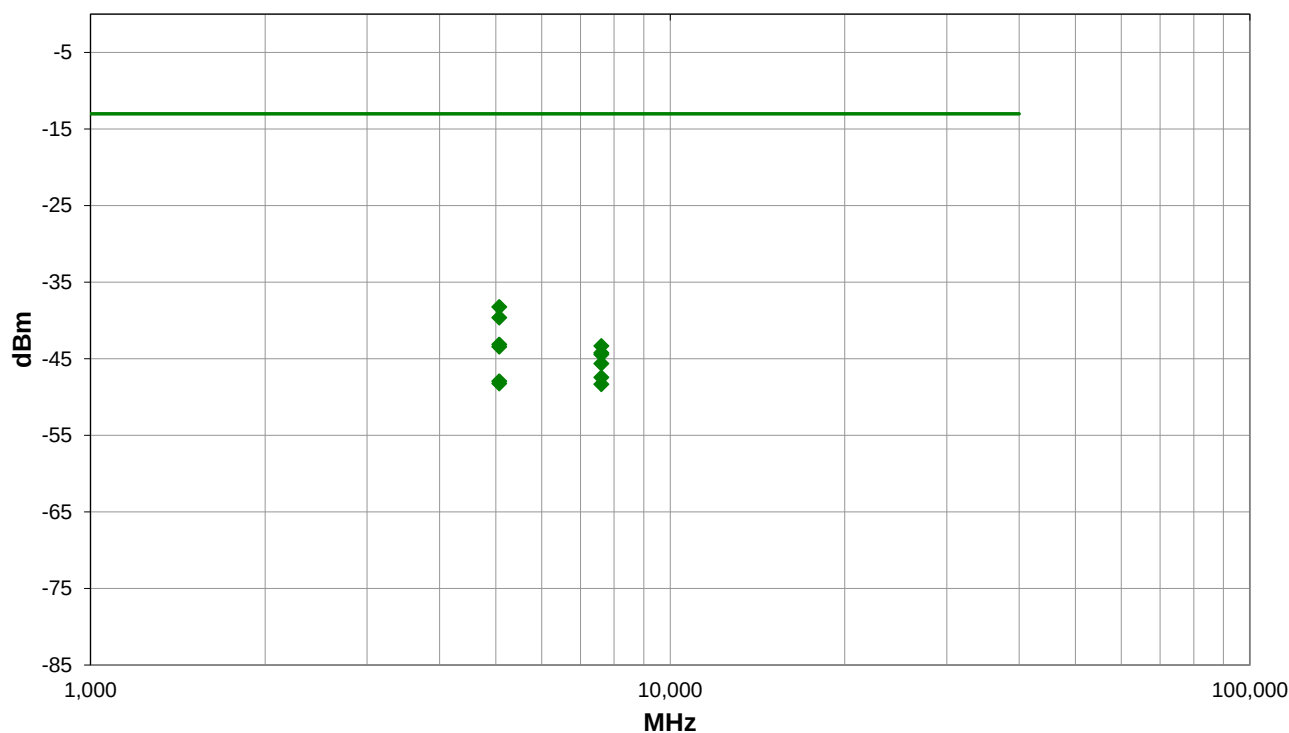
Spot check Spurious Radiated Emissions based on worst case: FCC ID: R17LE910CXWWX

## EUT OPERATING MODES

LTE Band 7, Ch 21100, 2535 MHz, QPSK, 20 MHz Bandwidth, 1 RB, Offset 50

## DEVIATIONS FROM TEST STANDARD

None



Run #: 3

■ PK ◆ AV ● QP

# SPURIOUS RADIATED EMISSIONS – FCC Band 7

## RESULTS - Run #3

| Freq (MHz) | Antenna Height (meters) | Azimuth (degrees) | Polarity/ Transducer Type | Detector | EIRP (Watts) | EIRP (dBm) | Spec. Limit (dBm) | Compared to Spec. (dB) | Comments    |
|------------|-------------------------|-------------------|---------------------------|----------|--------------|------------|-------------------|------------------------|-------------|
| 5070.192   | 1.91                    | 329.0             | Horz                      | AV       | 150.4E-9     | -38.2      | -13.0             | -25.2                  | EUT Vert    |
| 5070.192   | 2.49                    | 24.0              | Vert                      | AV       | 108.9E-9     | -39.6      | -13.0             | -26.6                  | EUT on Side |
| 5070.217   | 3.69                    | 66.0              | Vert                      | AV       | 48.7E-9      | -43.1      | -13.0             | -30.1                  | EUT Horz    |
| 7605.242   | 1.99                    | 30.0              | Vert                      | AV       | 46.5E-9      | -43.3      | -13.0             | -30.3                  | EUT on Side |
| 5070.133   | 4.0                     | 14.0              | Horz                      | AV       | 45.4E-9      | -43.4      | -13.0             | -30.4                  | EUT Horz    |
| 7605.258   | 1.88                    | 39.0              | Horz                      | AV       | 37.8E-9      | -44.2      | -13.0             | -31.2                  | EUT Vert    |
| 7605.317   | 2.6                     | 7.0               | Vert                      | AV       | 36.1E-9      | -44.4      | -13.0             | -31.4                  | EUT Horz    |
| 7605.300   | 3.07                    | 197.0             | Vert                      | AV       | 27.4E-9      | -45.6      | -13.0             | -32.6                  | EUT Vert    |
| 7605.192   | 2.36                    | 24.0              | Horz                      | AV       | 18.1E-9      | -47.4      | -13.0             | -34.4                  | EUT Horz    |
| 5070.167   | 1.5                     | 278.0             | Horz                      | AV       | 16.1E-9      | -47.9      | -13.0             | -34.9                  | EUT on Side |
| 5070.208   | 1.0                     | 334.0             | Vert                      | AV       | 15.0E-9      | -48.2      | -13.0             | -35.2                  | EUT Vert    |
| 7605.317   | 1.5                     | 37.0              | Horz                      | AV       | 14.7E-9      | -48.3      | -13.0             | -35.3                  | EUT on Side |

## CONCLUSION

Pass



Tested By

# ERP/EIRP OF THE FUNDAMENTAL



XMH 2022.02.07.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST EQUIPMENT

| Description                 | Manufacturer       | Model      | ID  | Last Cal.  | Cal. Due   |
|-----------------------------|--------------------|------------|-----|------------|------------|
| Programmable Power Supply   | TekPower           | 772307     | SBB | NCR        | NCR        |
| Generator - Signal          | Keysight           | N5182B     | TES | 2021-09-14 | 2024-09-14 |
| Meter - Multimeter          | Fluke              | 179        | MBB | 2021-03-05 | 2024-03-05 |
| Directional Coupler         | Fairview Microwave | MC2047-10  | RHZ | 2022-04-25 | 2023-04-25 |
| Cable                       | Element            | None       | OC5 | 2022-02-14 | 2023-02-14 |
| Attenuator                  | Fairview Microwave | SA18H-20   | UAY | 2022-03-30 | 2023-03-30 |
| Block - DC                  | Aeroflex           | INMET 8535 | AMO | 2022-02-18 | 2023-02-18 |
| EMPower USB RF Power Sensor | ETS-Lindgren       | 7002-006   | SRU | 2022-11-21 | 2023-11-21 |

## TEST DESCRIPTION

The transmitter conducted output power is a measure of the total average power contained within an allocated channel bandwidth. Per FCC ID: RI7LE910CXWWX, the worst case modes of operation were investigated and the results are reported in this section.

# ERP OF THE FUNDAMENTAL - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)



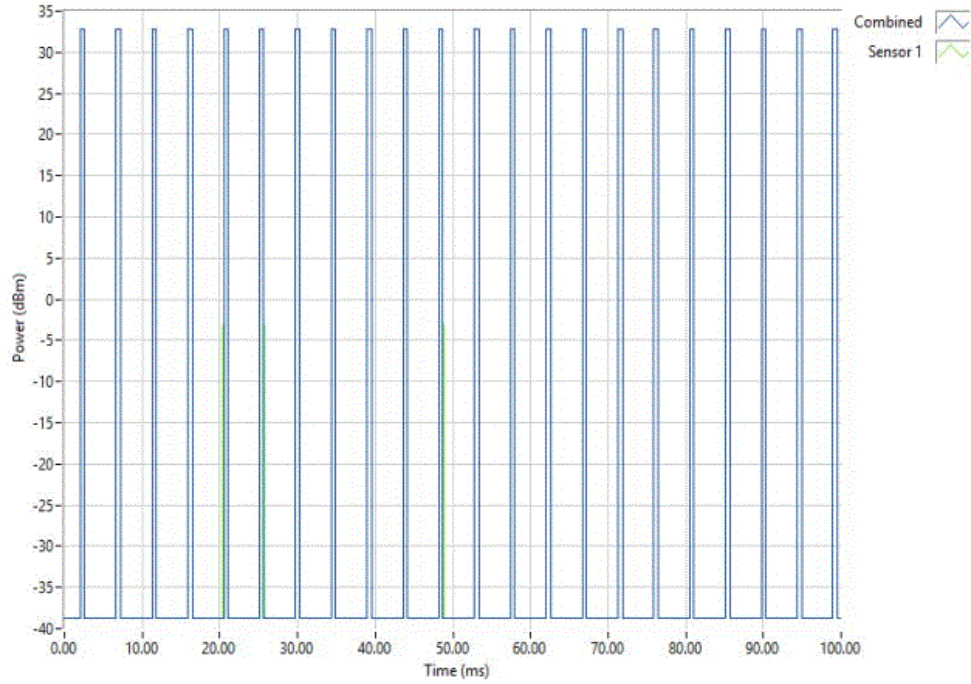
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                             |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|----------------|
| EUT: LE910C4-WWX                                                                                                                                                                                                                                                                                                                                                                                                                            |   | Work Order: TELI0004                                                                        |                |
| Serial Number: ENG Sample 1                                                                                                                                                                                                                                                                                                                                                                                                                 |   | Date: 15-Dec-22                                                                             |                |
| Customer: Telit Communications S.p.A.                                                                                                                                                                                                                                                                                                                                                                                                       |   | Temperature: 19 °C                                                                          |                |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Humidity: 49.6% RH                                                                          |                |
| Project: None                                                                                                                                                                                                                                                                                                                                                                                                                               |   | Barometric Pres.: 1014 mbar                                                                 |                |
| Tested by: Nolan De Ramos                                                                                                                                                                                                                                                                                                                                                                                                                   |   | Power: 3.8VDC                                                                               |                |
| Job Site: OC13                                                                                                                                                                                                                                                                                                                                                                                                                              |   |                                                                                             |                |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                         |   |                                                                                             |                |
| FCC 22H:2022                                                                                                                                                                                                                                                                                                                                                                                                                                |   | Test Method                                                                                 |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | ANSI C63.26:2015                                                                            |                |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |                                                                                             |                |
| <p>Data Terminal Module (IMEI: 353338970545965)</p> <p>Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0</p> <p>Spot check of conducted output power based on worst case: FCC ID: RI7LE910CXWWX (Transmitter Conducted Output Power/Effective Radiated Power)</p> <p>The maximum Equivalent Radiated Power (ERP) calculation:<br/> <math>ERP = \text{Conducted Power (dBm)} + \text{Antenna Gain (dBi)} - 2.15 \text{ dB}</math></p> |   |                                                                                             |                |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                                                             |                |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                             |                |
| Configuration #                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 | Signature  |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Avg Cond Pwr (dBm)                                                                          | Duty Cycle (%) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Antenna Gain (dBi)                                                                          | ERP (dBm)      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Limit (dBm)                                                                                 | Results        |
| GSM Band GSM-850 (GPRS)                                                                                                                                                                                                                                                                                                                                                                                                                     |   |                                                                                             |                |
| High Channel 251, 848.8 MHz                                                                                                                                                                                                                                                                                                                                                                                                                 |   | 32.8                                                                                        | 12.182         |
| WCDMA Band V (GSM-850) (RMC)                                                                                                                                                                                                                                                                                                                                                                                                                |   |                                                                                             |                |
| Mid Channel 4183, 836.6 MHz                                                                                                                                                                                                                                                                                                                                                                                                                 |   | 24.06                                                                                       | 100            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | 1.5                                                                                         | 23.41          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | 38.45                                                                                       | Pass           |

# ERP OF THE FUNDAMENTAL - GSM BAND (GSM-850), WCDMA BAND V (GSM-850)

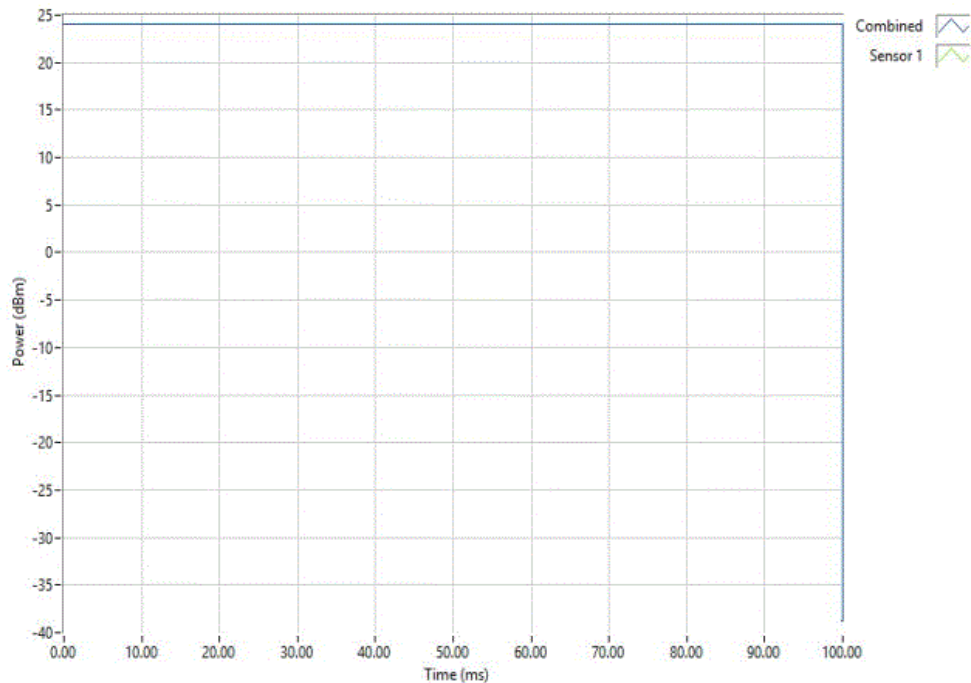


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| GSM Band GSM-850 (GPRS), High Channel 251, 848.8 MHz |                       |                   |                       |              |                |         |
|------------------------------------------------------|-----------------------|-------------------|-----------------------|--------------|----------------|---------|
|                                                      | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | ERP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                      | 32.8                  | 12.182            | 1.5                   | 32.15        | 38.45          | Pass    |



| WCDMA Band V (GSM-850) (RMC), Mid Channel 4183, 836.6 MHz |                       |                   |                       |              |                |         |
|-----------------------------------------------------------|-----------------------|-------------------|-----------------------|--------------|----------------|---------|
|                                                           | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | ERP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                           | 24.06                 | 100               | 1.5                   | 23.41        | 38.45          | Pass    |





# EIRP OF THE FUNDAMENTAL - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900)



TbTx 2022.06.03.0 XMi 2022.02.07.0

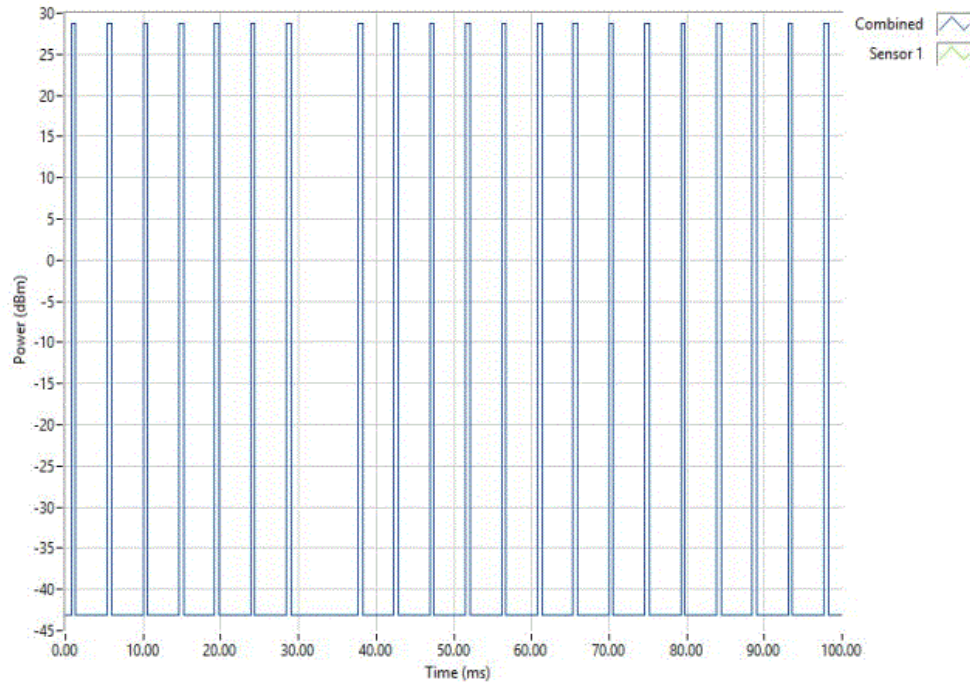
|                                                                                                                                               |                               |                                                                                             |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------|----------------|
| EUT: LE910C4-WWX                                                                                                                              |                               | Work Order: TELI0004                                                                        |                |
| Serial Number: ENG Sample 1                                                                                                                   |                               | Date: 15-Dec-22                                                                             |                |
| Customer: Telit Communications S.p.A.                                                                                                         |                               | Temperature: 19 °C                                                                          |                |
| Attendees: None                                                                                                                               |                               | Humidity: 49.6% RH                                                                          |                |
| Project: None                                                                                                                                 |                               | Barometric Pres.: 1014 mbar                                                                 |                |
| Tested by: Nolan De Ramos                                                                                                                     |                               | Power: 3.8VDC                                                                               |                |
|                                                                                                                                               |                               | Job Site: OC13                                                                              |                |
| TEST SPECIFICATIONS                                                                                                                           |                               | Test Method                                                                                 |                |
| FCC 24E:2022                                                                                                                                  |                               | ANSI C63.26:2015                                                                            |                |
| COMMENTS                                                                                                                                      |                               |                                                                                             |                |
| Data Terminal Module (IMEI: 353338970545965)                                                                                                  |                               |                                                                                             |                |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                                      |                               |                                                                                             |                |
| Spot check of conducted output power based on worst case: FCC ID: RI7LE910CXWWX (Transmitter Conducted Output Power/Effective Radiated Power) |                               |                                                                                             |                |
| The maximum Effective Isotropic Radiated Power (EIRP) calculation:<br>EIRP = Conducted Power (dBm) + Antenna Gain (dBi)                       |                               |                                                                                             |                |
| DEVIATIONS FROM TEST STANDARD                                                                                                                 |                               |                                                                                             |                |
| None                                                                                                                                          |                               |                                                                                             |                |
| Configuration #                                                                                                                               | 1                             | Signature  |                |
|                                                                                                                                               |                               | Avg Cond Pwr (dBm)                                                                          | Duty Cycle (%) |
|                                                                                                                                               |                               | Antenna Gain (dBi)                                                                          | EIRP (dBm)     |
|                                                                                                                                               |                               | Limit (dBm)                                                                                 | Results        |
| GSM Band PCS-1900 (GPRS)                                                                                                                      |                               |                                                                                             |                |
|                                                                                                                                               | High Channel 810 (1909.8 MHz) | 28.77                                                                                       | 11.611         |
| WCDMA Band II (PCS-1900) (RMC)                                                                                                                |                               |                                                                                             |                |
|                                                                                                                                               | Low Channel 9262 (1852.4 MHz) | 23.3                                                                                        | 100            |
|                                                                                                                                               |                               | 3.5                                                                                         | 26.8           |
|                                                                                                                                               |                               | 33.01                                                                                       | Pass           |

# EIRP OF THE FUNDAMENTAL - GSM BAND PCS-1900, WCDMA BAND II (PCS-1900)

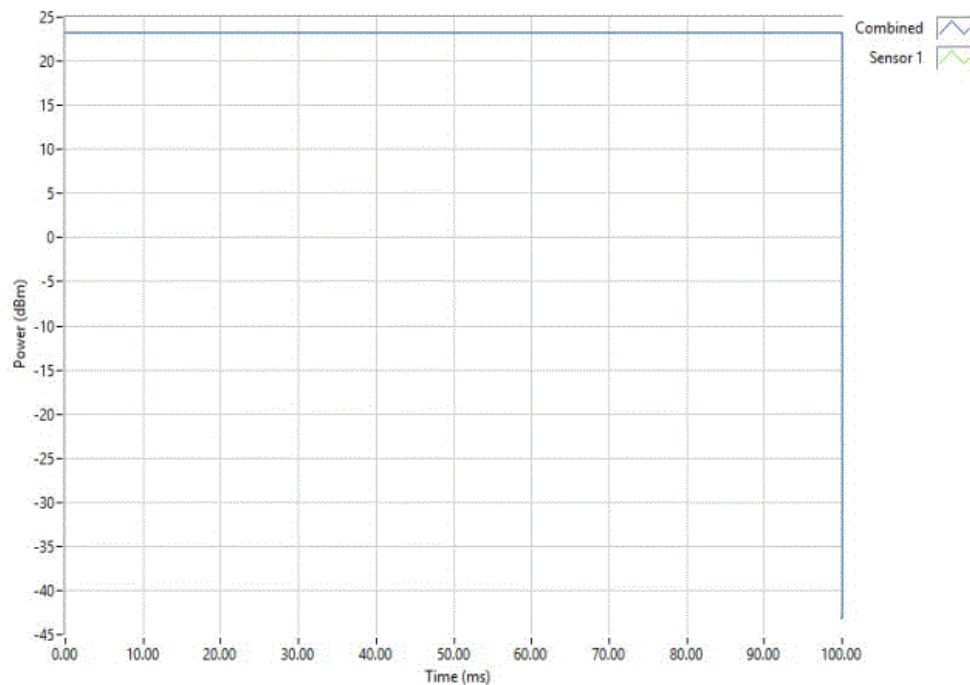


TbTx 2022.06.03.0 XMt 2022.02.07.0

| GSM Band PCS-1900 (GPRS), High Channel 810 (1909.8 MHz) |                       |                   |                       |               |                |         |
|---------------------------------------------------------|-----------------------|-------------------|-----------------------|---------------|----------------|---------|
|                                                         | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | EIRP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                         | 28.77                 | 11.611            | 3.5                   | 32.3          | 33.01          | Pass    |



| WCDMA Band II (PCS-1900) (RMC), Low Channel 9262 (1852.4 MHz) |                       |                   |                       |               |                |         |
|---------------------------------------------------------------|-----------------------|-------------------|-----------------------|---------------|----------------|---------|
|                                                               | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | EIRP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                               | 23.3                  | 100               | 3.5                   | 26.8          | 33.01          | Pass    |



# EIRP OF THE FUNDAMENTAL - WCDMA BAND IV (AWS-1700)



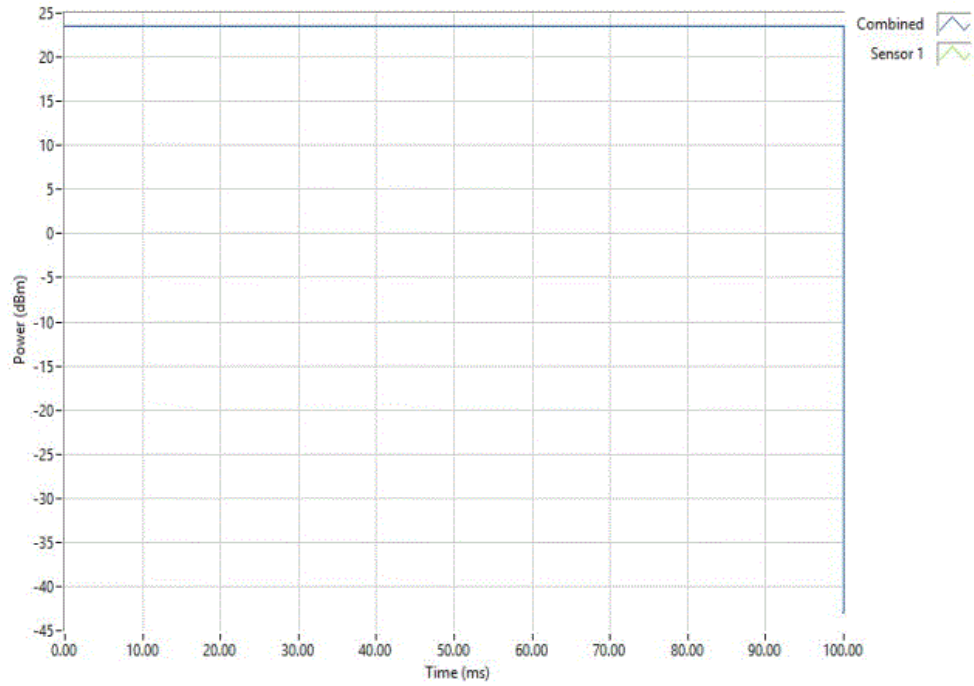
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |                                                                                             |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|----------------|
| EUT: LE910C4-WWX                                                                                                                                                                                                                                                                                                                                                                                                                     |   | Work Order: TELI0004                                                                        |                |
| Serial Number: ENG Sample 1                                                                                                                                                                                                                                                                                                                                                                                                          |   | Date: 15-Dec-22                                                                             |                |
| Customer: Telit Communications S.p.A.                                                                                                                                                                                                                                                                                                                                                                                                |   | Temperature: 19 °C                                                                          |                |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Humidity: 49.6% RH                                                                          |                |
| Project: None                                                                                                                                                                                                                                                                                                                                                                                                                        |   | Barometric Pres.: 1014 mbar                                                                 |                |
| Tested by: Nolan De Ramos                                                                                                                                                                                                                                                                                                                                                                                                            |   | Power: 3.8VDC                                                                               |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Job Site: OC13                                                                              |                |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                  |   | Test Method                                                                                 |                |
| FCC 27:2022                                                                                                                                                                                                                                                                                                                                                                                                                          |   | ANSI C63.26:2015                                                                            |                |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                             |                |
| <p>Data Terminal Module (IMEI: 353338970545965)</p> <p>Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0</p> <p>Spot check of conducted output power based on worst case: FCC ID: R17LE910CXWWX (Transmitter Conducted Output Power/Effective Radiated Power)</p> <p>The maximum Effective Isotropic Radiated Power (EIRP) calculation:<br/> <math>EIRP = \text{Conducted Power (dBm)} + \text{Antenna Gain (dBi)}</math></p> |   |                                                                                             |                |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                             |                |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                                                                                             |                |
| Configuration #                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 | Signature  |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Avg Cond Pwr (dBm)                                                                          | Duty Cycle (%) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Antenna Gain (dBi)                                                                          | EIRP (dBm)     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Limit (dBm)                                                                                 | Results        |
| Band IV (AWS-1700) (AMR)                                                                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                             |                |
| High Channel 1513, 1752.6 MHz                                                                                                                                                                                                                                                                                                                                                                                                        |   | 23.53                                                                                       | 100            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | 3.5                                                                                         | 27.0           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | 30                                                                                          | Pass           |

# EIRP OF THE FUNDAMENTAL - WCDMA BAND IV (AWS-1700)



TbTx 2022.06.03.0 XMt 2022.02.07.0

| Band IV (AWS-1700) (AMR), High Channel 1513, 1752.6 MHz |                       |                   |                       |               |                |         |
|---------------------------------------------------------|-----------------------|-------------------|-----------------------|---------------|----------------|---------|
|                                                         | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | EIRP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                         | 23.53                 | 100               | 3.5                   | 27.0          | 30             | Pass    |



# EIRP OF THE FUNDAMENTAL - LTE BAND 4



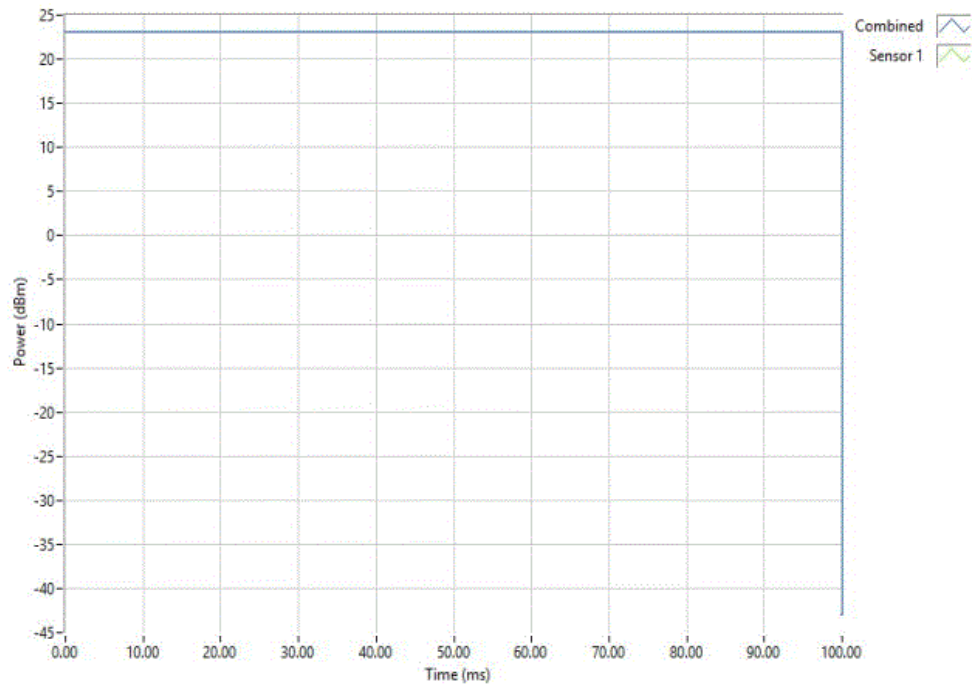
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |                                                                                             |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|----------------|
| EUT: LE910C4-WWX                                                                                                                                                                                                                                                                                                                                                                                                                     |   | Work Order: TELI0004                                                                        |                |
| Serial Number: ENG Sample 1                                                                                                                                                                                                                                                                                                                                                                                                          |   | Date: 15-Dec-22                                                                             |                |
| Customer: Telit Communications S.p.A.                                                                                                                                                                                                                                                                                                                                                                                                |   | Temperature: 19 °C                                                                          |                |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Humidity: 49.6% RH                                                                          |                |
| Project: None                                                                                                                                                                                                                                                                                                                                                                                                                        |   | Barometric Pres.: 1014 mbar                                                                 |                |
| Tested by: Nolan De Ramos                                                                                                                                                                                                                                                                                                                                                                                                            |   | Power: 3.8VDC                                                                               |                |
| Job Site: OC13                                                                                                                                                                                                                                                                                                                                                                                                                       |   |                                                                                             |                |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                             |                |
| FCC 27:2022                                                                                                                                                                                                                                                                                                                                                                                                                          |   | Test Method                                                                                 |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | ANSI C63.26:2015                                                                            |                |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                             |                |
| <p>Data Terminal Module (IMEI: 353338970545965)</p> <p>Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0</p> <p>Spot check of conducted output power based on worst case: FCC ID: RI7LE910CXWWX (Transmitter Conducted Output Power/Effective Radiated Power)</p> <p>The maximum Effective Isotropic Radiated Power (EIRP) calculation:<br/> <math>EIRP = \text{Conducted Power (dBm)} + \text{Antenna Gain (dBi)}</math></p> |   |                                                                                             |                |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                             |                |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                                                                                             |                |
| Configuration #                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 | Signature  |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Avg Cond Pwr (dBm)                                                                          | Duty Cycle (%) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Antenna Gain (dBi)                                                                          | EIRP (dBm)     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Limit (dBm)                                                                                 | Results        |
| LTE Band 4                                                                                                                                                                                                                                                                                                                                                                                                                           |   |                                                                                             |                |
| 15 MHz Bandwidth, QPSK, RB Size 1, Offset 37                                                                                                                                                                                                                                                                                                                                                                                         |   |                                                                                             |                |
| Mid Channel 20175, 1732.5 MHz                                                                                                                                                                                                                                                                                                                                                                                                        |   | 23.04                                                                                       | 100            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | 3.5                                                                                         | 26.5           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | 30                                                                                          | Pass           |

# EIRP OF THE FUNDAMENTAL - LTE BAND 4



TMbTx 2022.06.03.0      XMbT 2022.02.07.0

| LTE Band 4, 15 MHz Bandwidth, QPSK, RB Size 1, Offset 37, Mid Channel 20175, 1732.5 MHz |                       |                   |                       |               |                |         |
|-----------------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------|---------------|----------------|---------|
|                                                                                         | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | EIRP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                                                         | 23.04                 | 100               | 3.5                   | 26.5          | 30             | Pass    |



# ERP OF THE FUNDAMENTAL - LTE BAND 12 & 13



TSTx 2022.06.03.0 XMR 2022.02.07.0

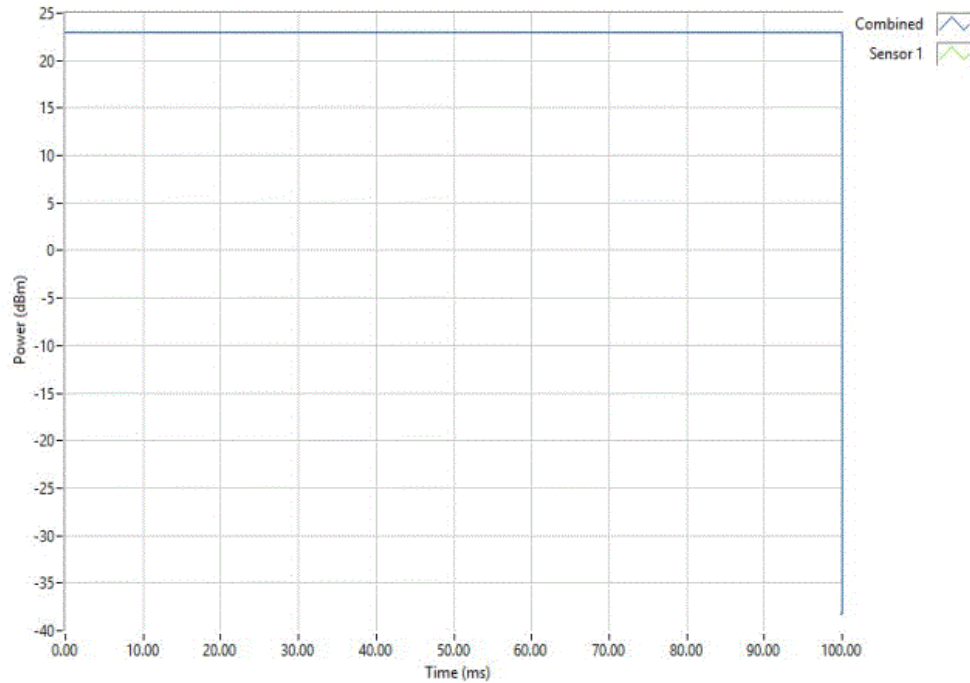
|                                                                                                                                               |   |                                                                                             |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|----------------|
| EUT: LE910C4-WWX                                                                                                                              |   | Work Order: TELI0004                                                                        |                |
| Serial Number: ENG Sample 1                                                                                                                   |   | Date: 15-Dec-22                                                                             |                |
| Customer: Telit Communications S.p.A.                                                                                                         |   | Temperature: 19 °C                                                                          |                |
| Attendees: None                                                                                                                               |   | Humidity: 49.6% RH                                                                          |                |
| Project: None                                                                                                                                 |   | Barometric Pres.: 1014 mbar                                                                 |                |
| Tested by: Nolan De Ramos                                                                                                                     |   | Power: 3.8VDC                                                                               |                |
| Job Site: OC13                                                                                                                                |   |                                                                                             |                |
| TEST SPECIFICATIONS                                                                                                                           |   |                                                                                             |                |
| FCC 27:2022                                                                                                                                   |   | Test Method                                                                                 |                |
|                                                                                                                                               |   | ANSI C63.26:2015                                                                            |                |
| COMMENTS                                                                                                                                      |   |                                                                                             |                |
| Data Terminal Module (IMEI: 353338970545965)                                                                                                  |   |                                                                                             |                |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                                      |   |                                                                                             |                |
| Spot check of conducted output power based on worst case: FCC ID: R17LE910CXWWX (Transmitter Conducted Output Power/Effective Radiated Power) |   |                                                                                             |                |
| The maximum Equivalent Radiated Power (ERP) calculation:                                                                                      |   |                                                                                             |                |
| ERP = Conducted Power (dBm) + Antenna Gain (dBi) - 2.15 dB                                                                                    |   |                                                                                             |                |
| DEVIATIONS FROM TEST STANDARD                                                                                                                 |   |                                                                                             |                |
| None                                                                                                                                          |   |                                                                                             |                |
| Configuration #                                                                                                                               | 1 | Signature  |                |
|                                                                                                                                               |   | Avg Cond Pwr (dBm)                                                                          | Duty Cycle (%) |
|                                                                                                                                               |   | Antenna Gain (dBi)                                                                          | ERP (dBm)      |
|                                                                                                                                               |   | Limit (dBm)                                                                                 | Results        |
| LTE Band 12                                                                                                                                   |   |                                                                                             |                |
| 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25                                                                                                  |   |                                                                                             |                |
| Mid Channel 23095, 707.5 MHz                                                                                                                  |   | 22.9                                                                                        | 100            |
|                                                                                                                                               |   | 1.5                                                                                         | 22.25          |
|                                                                                                                                               |   | 34.77                                                                                       | Pass           |
| LTE Band 13                                                                                                                                   |   |                                                                                             |                |
| 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25                                                                                                  |   |                                                                                             |                |
| Mid Channel 23230, 782 MHz                                                                                                                    |   | 23.98                                                                                       | 100            |
|                                                                                                                                               |   | 1.5                                                                                         | 23.33          |
|                                                                                                                                               |   | 34.77                                                                                       | Pass           |

# ERP OF THE FUNDAMENTAL - LTE BAND 12 & 13

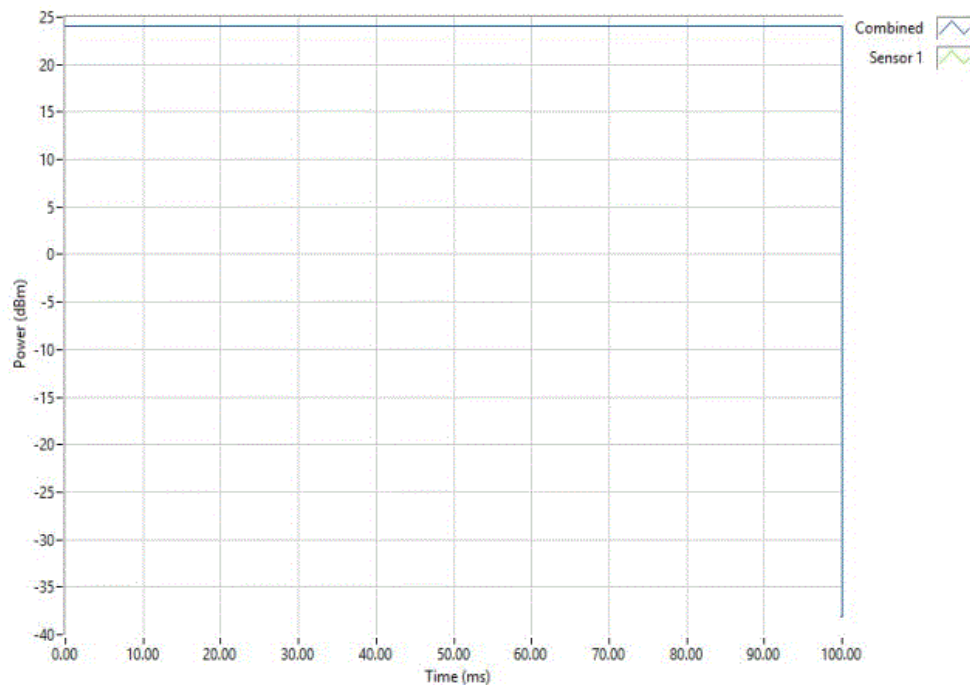


TM7Tx 2022.06.03.0 XM8 2022.02.07.0

| LTE Band 12, 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25, Mid Channel 23095, 707.5 MHz |                       |                   |                       |              |                |         |
|-----------------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------|--------------|----------------|---------|
|                                                                                         | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | ERP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                                                         | 22.9                  | 100               | 1.5                   | 22.25        | 34.77          | Pass    |



| LTE Band 13, 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25, Mid Channel 23230, 782 MHz |                       |                   |                       |              |                |         |
|---------------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------|--------------|----------------|---------|
|                                                                                       | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | ERP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                                                       | 23.98                 | 100               | 1.5                   | 23.33        | 34.77          | Pass    |





# ERP OF THE FUNDAMENTAL - LTE BAND 14



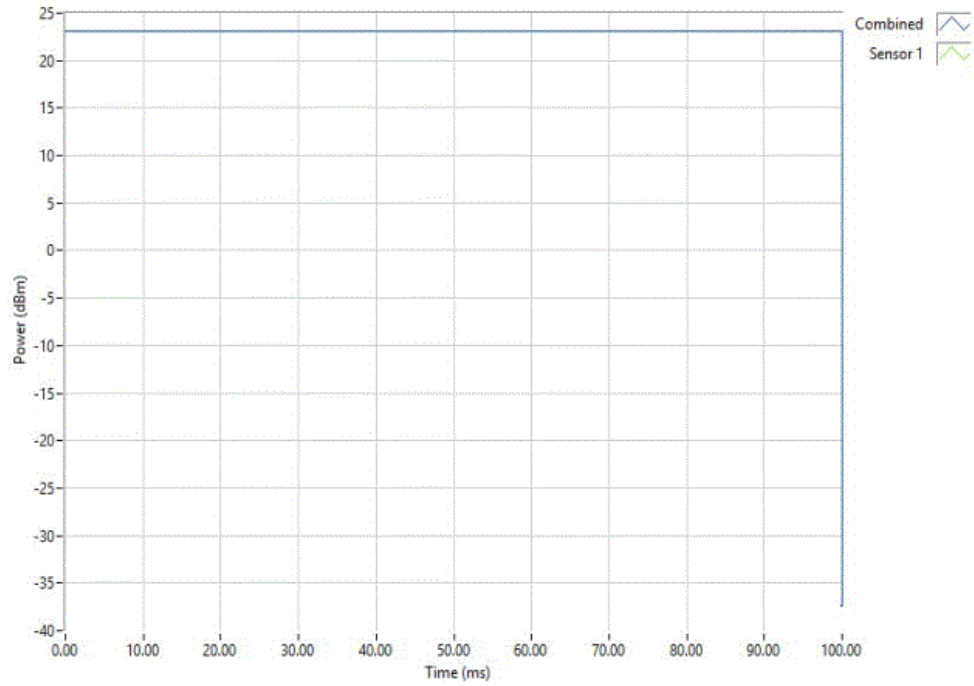
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                             |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|----------------|
| EUT: LE910C4-WWX                                                                                                                                                                                                                                                                                                                                                                                                                            |   | Work Order: TELI0004                                                                        |                |
| Serial Number: ENG Sample 1                                                                                                                                                                                                                                                                                                                                                                                                                 |   | Date: 15-Dec-22                                                                             |                |
| Customer: Telit Communications S.p.A.                                                                                                                                                                                                                                                                                                                                                                                                       |   | Temperature: 19 °C                                                                          |                |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Humidity: 49.6% RH                                                                          |                |
| Project: None                                                                                                                                                                                                                                                                                                                                                                                                                               |   | Barometric Pres.: 1014 mbar                                                                 |                |
| Tested by: Nolan De Ramos                                                                                                                                                                                                                                                                                                                                                                                                                   |   | Power: 3.8VDC                                                                               |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Job Site: OC13                                                                              |                |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                         |   | Test Method                                                                                 |                |
| FCC 901:2022                                                                                                                                                                                                                                                                                                                                                                                                                                |   | ANSI C63.26:2015                                                                            |                |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |                                                                                             |                |
| <p>Data Terminal Module (IMEI: 353338970545965)</p> <p>Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0</p> <p>Spot check of conducted output power based on worst case: FCC ID: RI7LE910CXWWX (Transmitter Conducted Output Power/Effective Radiated Power)</p> <p>The maximum Equivalent Radiated Power (ERP) calculation:<br/> <math>ERP = \text{Conducted Power (dBm)} + \text{Antenna Gain (dBi)} - 2.15 \text{ dB}</math></p> |   |                                                                                             |                |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                                                             |                |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                             |                |
| Configuration #                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 | Signature  |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Avg Cond Pwr (dBm)                                                                          | Duty Cycle (%) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Antenna Gain (dBi)                                                                          | ERP (dBm)      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Limit (dBm)                                                                                 | Results        |
| LTE Band 14                                                                                                                                                                                                                                                                                                                                                                                                                                 |   | 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25                                                |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Mid Channel 23330, 793 MHz                                                                  |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | 23.12                                                                                       | 100            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | 1.5                                                                                         | 22.47          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | 34.77                                                                                       | Pass           |

# ERP OF THE FUNDAMENTAL - LTE BAND 14



TbTx 2022.06.03.0 XMI 2022.02.07.0

| LTE Band 14, 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25, Mid Channel 23330, 793 MHz |                       |                   |                       |              |                |         |
|---------------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------|--------------|----------------|---------|
|                                                                                       | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | ERP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                                                       | 23.12                 | 100               | 1.5                   | 22.47        | 34.77          | Pass    |



# EIRP OF THE FUNDAMENTAL - LTE BAND 25/2



TbTx 2022.06.03.0 XMe 2022.02.07.0

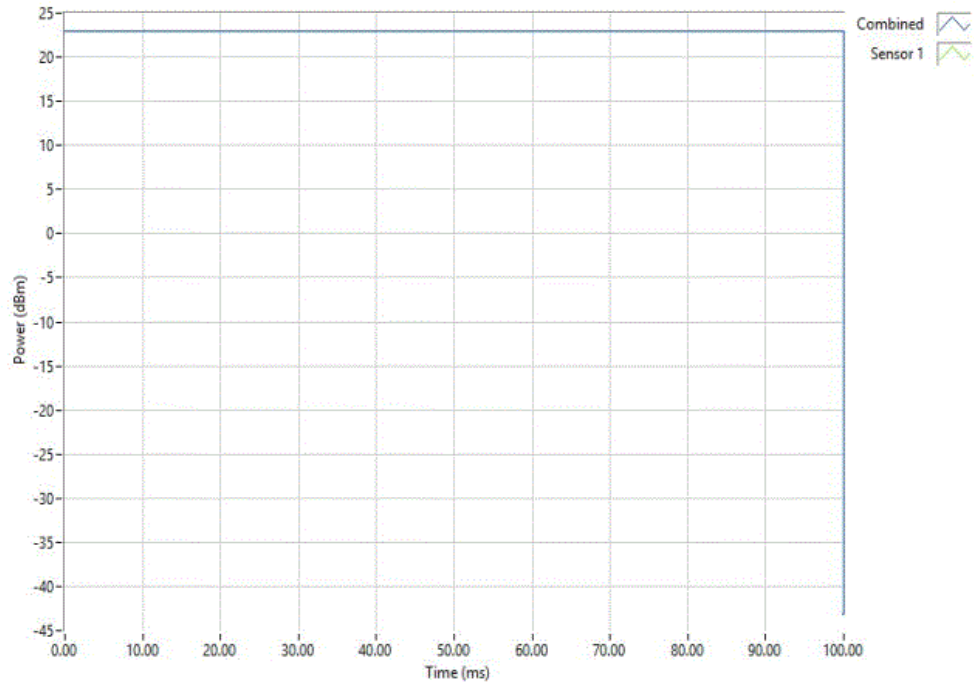
|                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                             |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|----------------|
| EUT: LE910C4-WWX                                                                                                                                                                                                                                                                                                                                                                                         |   | Work Order: TELI0004                                                                        |                |
| Serial Number: ENG Sample 1                                                                                                                                                                                                                                                                                                                                                                              |   | Date: 15-Dec-22                                                                             |                |
| Customer: Telit Communications S.p.A.                                                                                                                                                                                                                                                                                                                                                                    |   | Temperature: 19 °C                                                                          |                |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                                                          |   | Humidity: 49.6% RH                                                                          |                |
| Project: None                                                                                                                                                                                                                                                                                                                                                                                            |   | Barometric Pres.: 1014 mbar                                                                 |                |
| Tested by: Nolan De Ramos                                                                                                                                                                                                                                                                                                                                                                                |   | Job Site: OC13                                                                              |                |
| Power: 3.8VDC                                                                                                                                                                                                                                                                                                                                                                                            |   |                                                                                             |                |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                      |   | Test Method                                                                                 |                |
| FCC 24E:2022                                                                                                                                                                                                                                                                                                                                                                                             |   | ANSI C63.26:2015                                                                            |                |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                 |   |                                                                                             |                |
| <p>Data Terminal Module (IMEI: 353338970545965)</p> <p>Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0</p> <p>Spot check of conducted output power based on worst case: FCC ID: RI7LE910CXWWX (Transmitter Conducted Output Power/Effective Radiated Power)</p> <p>The maximum Effective Isotropic Radiated Power (EIRP) calculation:<br/>EIRP = Conducted Power (dBm) + Antenna Gain (dBi)</p> |   |                                                                                             |                |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                                                            |   |                                                                                             |                |
| None                                                                                                                                                                                                                                                                                                                                                                                                     |   |                                                                                             |                |
| Configuration #                                                                                                                                                                                                                                                                                                                                                                                          | 1 | Signature  |                |
|                                                                                                                                                                                                                                                                                                                                                                                                          |   | Avg Cond Pwr (dBm)                                                                          | Duty Cycle (%) |
|                                                                                                                                                                                                                                                                                                                                                                                                          |   | Antenna Gain (dB)                                                                           | EIRP (dBm)     |
|                                                                                                                                                                                                                                                                                                                                                                                                          |   | Limit (dBm)                                                                                 | Results        |
| LTE Band 25/2                                                                                                                                                                                                                                                                                                                                                                                            |   |                                                                                             |                |
| 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                             |                |
| Low Channel 26365 (Band 25), 18925 (Band 2), 1882.5                                                                                                                                                                                                                                                                                                                                                      |   |                                                                                             |                |
|                                                                                                                                                                                                                                                                                                                                                                                                          |   | 22.91                                                                                       | 100            |
|                                                                                                                                                                                                                                                                                                                                                                                                          |   | 3.5                                                                                         | 26.4           |
|                                                                                                                                                                                                                                                                                                                                                                                                          |   | 33.01                                                                                       | Pass           |

# EIRP OF THE FUNDAMENTAL - LTE BAND 25/2



TbTx 2022.06.03.0 XMI 2022.02.07.0

| LTE Band 25/2, 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25, Low Channel 26365 (Band 25), 18925 (Band 2), 1882.5 MHz |                       |                   |                       |               |                |         |
|----------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------|---------------|----------------|---------|
|                                                                                                                      | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | EIRP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                                                                                      | 22.91                 | 100               | 3.5                   | 26.4          | 33.01          | Pass    |



# ERP OF THE FUNDAMENTAL - LTE BAND 26



TbT x 2022.06.03.0 XML 2022.02.07.0

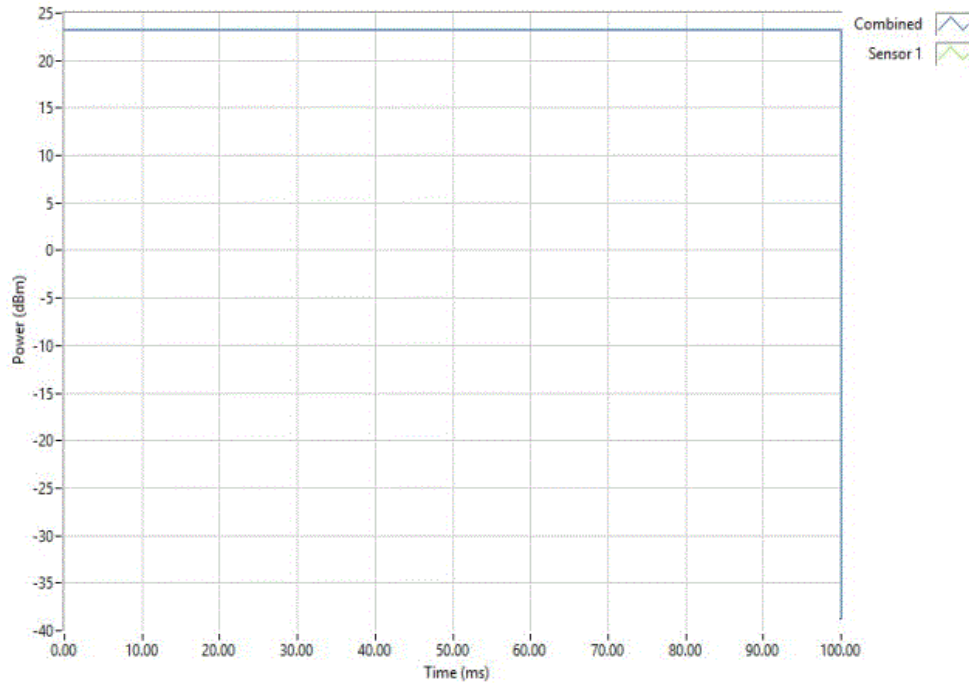
|                                                                                                                                               |                             |                                                                                             |                   |                    |           |             |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------|-------------------|--------------------|-----------|-------------|---------|
| EUT:                                                                                                                                          | LE910C4-WWX                 |                                                                                             | Work Order:       | TELI0004           |           |             |         |
| Serial Number:                                                                                                                                | ENG Sample 1                |                                                                                             | Date:             | 15-Dec-22          |           |             |         |
| Customer:                                                                                                                                     | Telit Communications S.p.A. |                                                                                             | Temperature:      | 19 °C              |           |             |         |
| Attendees:                                                                                                                                    | None                        |                                                                                             | Humidity:         | 49.6% RH           |           |             |         |
| Project:                                                                                                                                      | None                        |                                                                                             | Barometric Pres.: | 1014 mbar          |           |             |         |
| Tested by:                                                                                                                                    | Nolan De Ramos              | Power:                                                                                      | 3.8VDC            | Job Site:          | OC13      |             |         |
| TEST SPECIFICATIONS                                                                                                                           |                             |                                                                                             | Test Method       |                    |           |             |         |
| FCC 22H:2022                                                                                                                                  |                             |                                                                                             | ANSI C63.26:2015  |                    |           |             |         |
| FCC 90S:2022                                                                                                                                  |                             |                                                                                             | ANSI C63.26:2015  |                    |           |             |         |
| COMMENTS                                                                                                                                      |                             |                                                                                             |                   |                    |           |             |         |
| Data Terminal Module (IMEI: 353338970545965)                                                                                                  |                             |                                                                                             |                   |                    |           |             |         |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                                      |                             |                                                                                             |                   |                    |           |             |         |
| Spot check of conducted output power based on worst case: FCC ID: RI7LE910CXWWX (Transmitter Conducted Output Power/Effective Radiated Power) |                             |                                                                                             |                   |                    |           |             |         |
| The maximum Equivalent Radiated Power (ERP) calculation:<br>ERP = Conducted Power (dBm) + Antenna Gain (dBi) - 2.15 dB                        |                             |                                                                                             |                   |                    |           |             |         |
| DEVIATIONS FROM TEST STANDARD                                                                                                                 |                             |                                                                                             |                   |                    |           |             |         |
| None                                                                                                                                          |                             |                                                                                             |                   |                    |           |             |         |
| Configuration #                                                                                                                               | 1                           | Signature  |                   |                    |           |             |         |
|                                                                                                                                               |                             | Avg Cond Pwr (dBm)                                                                          | Duty Cycle (%)    | Antenna Gain (dBi) | ERP (dBm) | Limit (dBm) | Results |
| LTE Band 26                                                                                                                                   |                             |                                                                                             |                   |                    |           |             |         |
| 15 MHz Bandwidth, QPSK, RB Size 1, Offset 37                                                                                                  |                             |                                                                                             |                   |                    |           |             |         |
| Low Channel 26765, 821.5 MHz                                                                                                                  |                             | 23.29                                                                                       | 100               | 1.5                | 22.64     | 38.45       | Pass    |
| 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25                                                                                                  |                             |                                                                                             |                   |                    |           |             |         |
| Low Channel 26740, 819 MHz                                                                                                                    |                             | 23.48                                                                                       | 100               | 1.5                | 22.83     | 50          | Pass    |

# ERP OF THE FUNDAMENTAL - LTE BAND 26

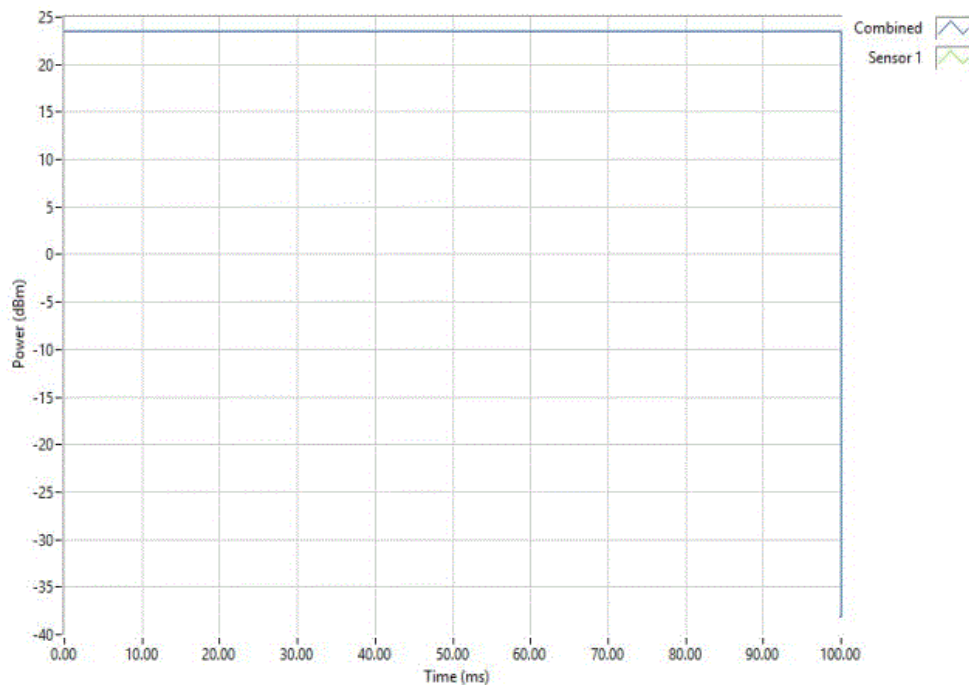


TbTx 2022.06.03.0 XMI 2022.02.07.0

| LTE Band 26, 15 MHz Bandwidth, QPSK, RB Size 1, Offset 37, Low Channel 26765, 821.5 MHz |                       |                   |                       |              |                |         |
|-----------------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------|--------------|----------------|---------|
|                                                                                         | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | ERP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                                                         | 23.29                 | 100               | 1.5                   | 22.64        | 38.45          | Pass    |



| LTE Band 26, 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25, Low Channel 26740, 819 MHz |                       |                   |                       |              |                |         |
|---------------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------|--------------|----------------|---------|
|                                                                                       | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | ERP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                                                       | 23.48                 | 100               | 1.5                   | 22.83        | 50             | Pass    |



# ERP OF THE FUNDAMENTAL - LTE BAND 26/5



TbTx 2022.06.03.0 XMt 2022.02.07.0

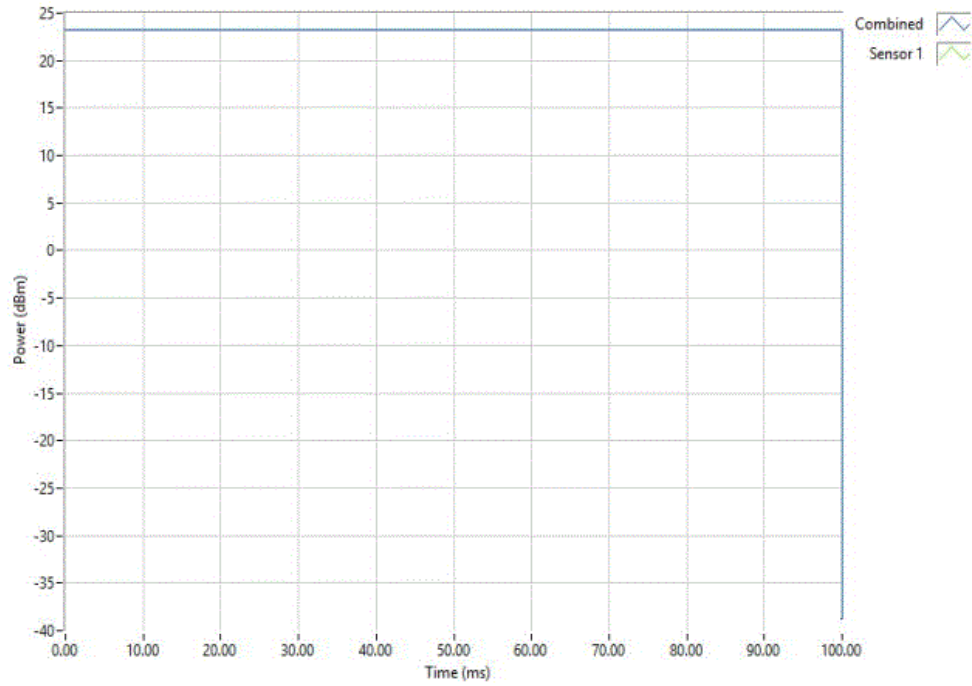
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                             |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------|----------------|
| EUT: LE910C4-WWX                                                                                                                                                                                                                                                                                                                                                                                                                            |   | Work Order: TELI0004                                                                        |                |
| Serial Number: ENG Sample 1                                                                                                                                                                                                                                                                                                                                                                                                                 |   | Date: 15-Dec-22                                                                             |                |
| Customer: Telit Communications S.p.A.                                                                                                                                                                                                                                                                                                                                                                                                       |   | Temperature: 19 °C                                                                          |                |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Humidity: 49.6% RH                                                                          |                |
| Project: None                                                                                                                                                                                                                                                                                                                                                                                                                               |   | Barometric Pres.: 1014 mbar                                                                 |                |
| Tested by: Nolan De Ramos                                                                                                                                                                                                                                                                                                                                                                                                                   |   | Power: 3.8VDC                                                                               |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Job Site: OC13                                                                              |                |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                         |   | Test Method                                                                                 |                |
| FCC 22H:2022                                                                                                                                                                                                                                                                                                                                                                                                                                |   | ANSI C63.26:2015                                                                            |                |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |                                                                                             |                |
| <p>Data Terminal Module (IMEI: 353338970545965)</p> <p>Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0</p> <p>Spot check of conducted output power based on worst case: FCC ID: RI7LE910CXWWX (Transmitter Conducted Output Power/Effective Radiated Power)</p> <p>The maximum Equivalent Radiated Power (ERP) calculation:<br/> <math>ERP = \text{Conducted Power (dBm)} + \text{Antenna Gain (dBi)} - 2.15 \text{ dB}</math></p> |   |                                                                                             |                |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                                                             |                |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                             |                |
| Configuration #                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 | Signature  |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Avg Cond Pwr (dBm)                                                                          | Duty Cycle (%) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Antenna Gain (dBi)                                                                          | ERP (dBm)      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | Limit (dBm)                                                                                 | Results        |
| LTE Band 26/5                                                                                                                                                                                                                                                                                                                                                                                                                               |   |                                                                                             |                |
| 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25                                                                                                                                                                                                                                                                                                                                                                                                |   |                                                                                             |                |
| Low Channel 26840 (Band 26), 20450 (Band 5), 829 MHz                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                             |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | 23.26                                                                                       | 100            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | 1.5                                                                                         | 22.61          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |   | 38.45                                                                                       | Pass           |

# ERP OF THE FUNDAMENTAL - LTE BAND 26/5



TbTx 2022.06.03.0 XbTx 2022.02.07.0

| LTE Band 26/5, 10 MHz Bandwidth, QPSK, RB Size 1, Offset 25, Low Channel 26840 (Band 26), 20450 (Band 5), 829 MHz |                       |                   |                       |              |                |         |
|-------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------|-----------------------|--------------|----------------|---------|
|                                                                                                                   | Avg Cond<br>Pwr (dBm) | Duty<br>Cycle (%) | Antenna<br>Gain (dBi) | ERP<br>(dBm) | Limit<br>(dBm) | Results |
|                                                                                                                   | 23.26                 | 100               | 1.5                   | 22.61        | 38.45          | Pass    |





# EIRP OF THE FUNDAMENTAL - LTE BAND 7



XMIT 2022.12.28.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST EQUIPMENT

| Description                     | Manufacturer       | Model                 | ID  | Last Cal.  | Cal. Due   |
|---------------------------------|--------------------|-----------------------|-----|------------|------------|
| Block - DC                      | Fairview Microwave | SD3473                | AMY | 2022-07-05 | 2023-07-05 |
| Attenuator                      | Fairview Microwave | SA26B-20              | TWJ | 2022-03-15 | 2023-03-15 |
| Directional Coupler             | Fairview Microwave | MC2047-10             | RGT | 2022-06-27 | 2023-06-27 |
| Cable                           | Micro-Coax         | UFD150A-1-0720-200200 | EVI | 2022-12-02 | 2023-12-02 |
| Cellular Base Station Simulator | Anritsu            | MT8820C               | AFK | NCR        | NCR        |
| Meter - Power                   | ETS Lindgren       | 7002-006              | SRF | 2022-09-22 | 2023-09-22 |
| Analyzer - Spectrum Analyzer    | Agilent            | E4440A                | AAW | 2023-02-06 | 2024-02-06 |

## TEST DESCRIPTION

The transmitter conducted output power is a measure of the total average power contained within an allocated channel bandwidth. Per FCC ID: R17LE910CXWWX, the worst case modes of operation were investigated and the results are reported in this section.

# EIRP OF THE FUNDAMENTAL - LTE BAND 7



ThyTv 2022.06.03.0 XMM 2022.12.28.0

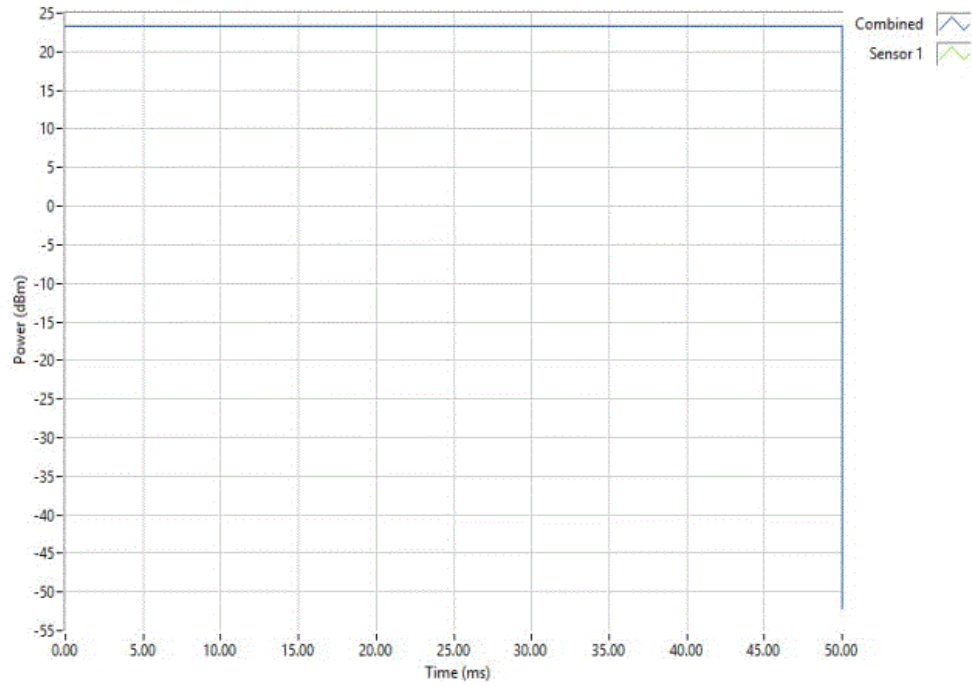
|                                                                                                                                                           |            |                             |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------|----------------|
| EUT: LE910C1-WWX                                                                                                                                          |            | Work Order: TELI0004        |                |
| Serial Number: ENG Sample 2                                                                                                                               |            | Date: 03/13/2023            |                |
| Customer: Telit Communications S.p.A.                                                                                                                     |            | Temperature: 21.7°C         |                |
| Attendees: None                                                                                                                                           |            | Humidity: 40.9%             |                |
| Project: None                                                                                                                                             |            | Barometric Pres.: 1009 mbar |                |
| Tested by: Jeff Alcock                                                                                                                                    |            | Job Site: EV06              |                |
| Power: 3.8 VDC                                                                                                                                            |            |                             |                |
| TEST SPECIFICATIONS                                                                                                                                       |            | Test Method                 |                |
| FCC 27:2023                                                                                                                                               |            | ANSI C63.26:2015            |                |
| COMMENTS                                                                                                                                                  |            |                             |                |
| Data Terminal Module (IMEI: 353338970545965)                                                                                                              |            |                             |                |
| Test Procedure Used: KDB 971168 D01 v03r01 - Section 6.0                                                                                                  |            |                             |                |
| Spot check of fundamental emissions based on worst case: FCC ID: RI7LE910CXWWX (Transmitter Conducted Output Power / Equivalent Isotropic Radiated Power) |            |                             |                |
| The maximum Effective Isotropic Radiated Power (EIRP) calculation:<br>EIRP = Conducted Power (dBm) + Antenna Gain (dBi)                                   |            |                             |                |
| DEVIATIONS FROM TEST STANDARD                                                                                                                             |            |                             |                |
| None                                                                                                                                                      |            |                             |                |
| Configuration #                                                                                                                                           | TELI0004-2 | Signature                   |                |
|                                                                                                                                                           |            | Avg Cond Pwr (dBm)          | Duty Cycle (%) |
|                                                                                                                                                           |            | Antenna Gain (dBi)          | EIRP (dBm)     |
|                                                                                                                                                           |            | Limit (dBm)                 | Results        |
| LTE Band 7                                                                                                                                                |            |                             |                |
| 10 MHz BW, QPSK                                                                                                                                           |            |                             |                |
| Mid Channel 21100, 2535 MHz, 1 RB / 25 offset                                                                                                             |            |                             |                |
|                                                                                                                                                           |            | 23.27                       | 100            |
|                                                                                                                                                           |            | 1.82                        | 25.09          |
|                                                                                                                                                           |            | 33.01                       | Pass           |

# EIRP OF THE FUNDAMENTAL - LTE BAND 7



TbTx 2022.06.03.0 XbTx 2022.12.28.0

| LTE Band 7, 10 MHz BW, QPSK, Mid Channel 21100, 2535 MHz, 1 RB / 25 offset |           |            |       |       |         |  |
|----------------------------------------------------------------------------|-----------|------------|-------|-------|---------|--|
| Avg Cond                                                                   | Duty      | Antenna    | EIRP  | Limit | Results |  |
| Pwr (dBm)                                                                  | Cycle (%) | Gain (dBi) | (dBm) | (dBm) |         |  |
| 23.27                                                                      | 100       | 1.82       | 25.09 | 33.01 | Pass    |  |



End of Test Report