

December 10, 2021

Syncwise  
Todd Nowak  
2308 Kettner Blvd., Suite B  
San Diego, CA 92101

Dear Todd Nowak,

Enclosed is the EMC Wireless test report for compliance testing of the Syncwise, T10-R Tablet as tested to the requirements of the FCC Part 15.247 & RSS-247 BLE.

Thank you for using the services of Eurofins Electrical and Electronic Testing NA, Inc. Please contact me if you have any questions regarding these results or if Eurofins E&E can be of further service to you.

Sincerely yours,

*Rheine Nguyen*

Documentation Department  
Eurofins Electrical and Electronic Testing NA, Inc.

Reference: (\Syncwise\WIRS115236-FCC RSS BLE)



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Eurofins Electrical and Electronic Testing NA, Inc. is part of the Eurofins Electrical & Electronics (E&E) global compliance network.

## **FCC/ ISED Test Report**

for the

**Syncwise  
T10-R Tablet**

### **Standard**

**47 CFR FCC Part 15, Subpart C (Section 15.247)  
558074 D01 15.247 Meas Guidance v05r02  
RSS 247 Issue2, February 2017  
ANSI C63.10:2013  
RSS Gen Issue5, March 2019**

**Report: WIR115236-FCC RSS BLE**

### **Prepared For:**

**Syncwise  
2308 Kettner Blvd., Suite B  
San Diego, CA 92101**

**Prepared By:  
Eurofins Electrical and Electronic Testing NA, Inc.  
3162 Belick St.  
Santa Clara CA, 95054**

## FCC/ ISED Test Report

for the

**Syncwise  
T10-R Tablet**

**Standard**

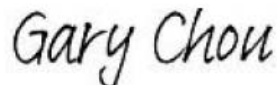
**47 CFR FCC Part 15, Subpart C (Section 15.247)**

**558074 D01 15.247 Meas Guidance v05r02**

**RSS 247 Issue2, February 2017**

**ANSI C63.10:2013**

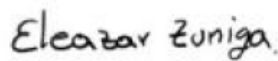
**RSS Gen Issue5, March 2019**



Gary Chou

Wireless Engineering Manager, Wireless Laboratory

**Engineering Statement:** The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of Part 22 Subpart H and Part 24 Subpart E and Part 27 Subpart L of the FCC Rules under normal use and maintenance.



Eleazar Zuniga,

Director, Wireless Laboratory

## Report Status Sheet

| Revision | Report Date       | Reason for Revision |
|----------|-------------------|---------------------|
| Ø        | December 10, 2021 | Initial Issue.      |

## Table of Contents

|             |                                                                              |          |
|-------------|------------------------------------------------------------------------------|----------|
| <b>I.</b>   | <b>Executive Summary .....</b>                                               | <b>1</b> |
|             | A. Purpose of Test .....                                                     | 1        |
|             | B. Executive Summary .....                                                   | 1        |
| <b>II.</b>  | <b>Equipment Information.....</b>                                            | <b>2</b> |
|             | A. Overview.....                                                             | 2        |
|             | B. References.....                                                           | 3        |
|             | C. Test Site .....                                                           | 3        |
|             | D. Measurement Uncertainty .....                                             | 3        |
|             | E. Modifications .....                                                       | 4        |
|             | Modifications to EUT .....                                                   | 4        |
|             | Modifications to Test Standard.....                                          | 4        |
|             | F. Disposition of EUT .....                                                  | 4        |
| <b>III.</b> | <b>Electromagnetic Compatibility Criteria for Intentional Radiators.....</b> | <b>5</b> |
|             | A. Radiated Emission and Bandage Measurement .....                           | 5        |

## List of Figures

|                                                                       |    |
|-----------------------------------------------------------------------|----|
| Figure 7. Radiated Emission and Bandage Measurement, Test Setup ..... | 19 |
|-----------------------------------------------------------------------|----|



## I. Executive Summary

### A. Purpose of Test

An EMC evaluation was performed to determine compliance of the Syncwise, T10-R Tablet, with the requirements of FCC Part 15.247 & RSS-247 BLE. All references are to the most current version of Title 47 of the Code of Federal Regulations in effect. In accordance with PVG-04 technical requirements, the following data is presented in support of the Certification of the T10-R Tablet. Syncwise should retain a copy of this document which should be kept on file for at least two years after the manufacturing of the T10-R Tablet, has been **permanently** discontinued.

### B. Executive Summary

The following tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 15.247 & RSS-247 BLE, in accordance with Syncwise, purchase order number 1084. All tests were conducted using measurement procedure.

| FCC Reference                       | Description                              | Compliance |
|-------------------------------------|------------------------------------------|------------|
| § 15.247 (d), § 15.205,<br>§ 15.209 | Spurious Radiated Emissions & Band Edges | Compliant  |
| RSS Reference                       | Description                              | Compliance |
| RSS 247 5.5C                        | Radiated Spurious Emissions              | Compliant  |

**Note:** For other test information please refer to FCC ID : XMR201706SC20A report/ ISED ID: 10224A-201707SC20A

#### Rationale:

Per KDB 996369 D04 “Modular Transmitter Integration Guide – Guidance for Host Product Manufacturers” only spot checks are reported in this filing

## II. Equipment Information

### A. Overview

Eurofins Electrical and Electronic Testing NA, Inc. was contracted by Syncwise to perform testing on the T10-R Tablet, under purchase order number 1084.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of Syncwise, T10-R Tablet.

The results obtained relate only to the item(s) tested.

#### EUT Summary Table

|                            |                                                                                                                                            |                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>Model(s) Tested:</b>    | T10-R Tablet                                                                                                                               |                                      |
| <b>Model(s) Covered:</b>   | T10-R Tablet                                                                                                                               |                                      |
| <b>Filing Status:</b>      | Original                                                                                                                                   |                                      |
| <b>EUT Specifications:</b> | Primary Power:<br>Voltage: 12 V external power supply.<br>AC or DC: DC<br>Voltage Frequency: NA<br>Number of Phases: 1<br>Current: 0.5 Amp |                                      |
|                            | Module Original Report Number(s):                                                                                                          |                                      |
|                            | Type of Modulations:                                                                                                                       | GFSK                                 |
|                            | Technology:                                                                                                                                | Bluetooth low energy                 |
|                            | TX Frequency Range:                                                                                                                        | 2402 MHz – 2480 MHz                  |
|                            | Product:                                                                                                                                   | Tablet                               |
|                            | Brand:                                                                                                                                     | Syncwise                             |
|                            | FCC ID:                                                                                                                                    | 2A3HW T10-R                          |
|                            | ISED ID:                                                                                                                                   | 10842AT10R                           |
|                            | Hardware Rev:                                                                                                                              | Syncwise 10R                         |
|                            | Firmware Rev:                                                                                                                              | 0                                    |
|                            | Antenna Name:                                                                                                                              | 2.4/5.0/6.0 GHz ISM Flexible Polymer |
|                            | Antenna Manufacturer/Module:                                                                                                               | J2J :2JF0202P                        |
|                            | Antenna Type:                                                                                                                              | Embedded Antenna                     |
|                            | Antenna Gain:                                                                                                                              | 4.4 dBi                              |



|                                       |                                                         |
|---------------------------------------|---------------------------------------------------------|
| <b>Analysis:</b>                      | The results obtained relate only to the item(s) tested. |
| <b>Environmental Test Conditions:</b> | Temperature: 15-35° C                                   |
|                                       | Relative Humidity: 30-60%                               |
|                                       | Barometric Pressure: 860-1060 mbar                      |
| <b>Evaluated by:</b>                  | Rafael Aguilar                                          |
| <b>Date(s):</b>                       | December 10, 2021                                       |

#### General Description of Applied Standards

### B. References

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

- 47 CFR FCC Part 15, Subpart C (Section 15.247)
- 558074 D01 15.247 Meas Guidance v05r02
- RSS 247 Issue2, February 2017
- ANSI C63.10:2013
- RSS Gen Issue 5, March 2019

### C. Test Site

All testing was performed at Eurofins Electrical and Electronic Testing NA, Inc., 3162 Belick St. Santa Clara, CA 95054. All equipment used in making physical determinations is accurate and bears recent traceability to the National Institute of Standards and Technology.

Eurofins Electrical and Electronic Testing NA, Inc. has been accredited by the American Association for Laboratory Accreditation (A2LA) (Certificate #: 0591.02) in accordance with ISO/IEC 17025:2017.

Eurofins Electrical and Electronic Testing NA, Inc. is part of the Eurofins Electrical & Electronics (E&E) global compliance network.

### D. Measurement Uncertainty

| Test Method                           | Typical Expanded Uncertainty | K | Confidence Level |
|---------------------------------------|------------------------------|---|------------------|
| RF Frequencies                        | ±4.52 Hz                     | 2 | 95%              |
| RF Power Conducted Emissions          | ±2.32 dB                     | 2 | 95%              |
| RF Power Conducted Spurious Emissions | ±2.25 dB                     | 2 | 95%              |
| RF Power Radiated Emissions           | ±3.01 dB                     | 2 | 95%              |

#### Uncertainty Calculations Summary

**E. Modifications****a) Modifications to EUT**

No modifications were made to the EUT.

**b) Modifications to Test Standard**

No modifications were made to the test standard.

**F. Disposition of EUT**

The test sample including all support equipment (if any), submitted to the Electromagnetic Compatibility Lab for testing was returned to Syncwise upon completion of testing.

### III. Electromagnetic Compatibility Criteria for Intentional Radiators

#### Radiated Emission and Bandage Measurement

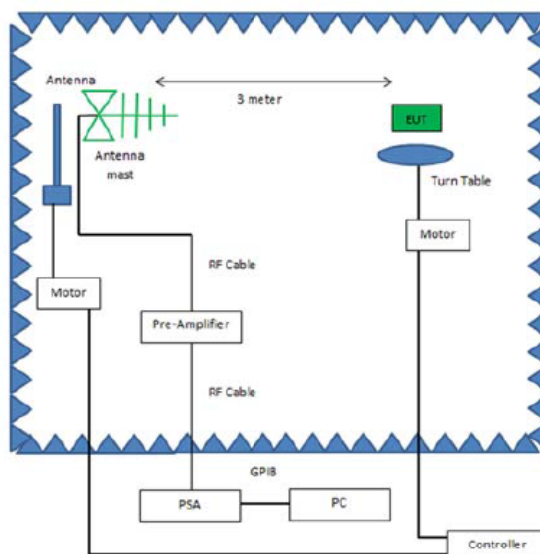
Limits of Radiated Emission and Bandage Measurement:

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

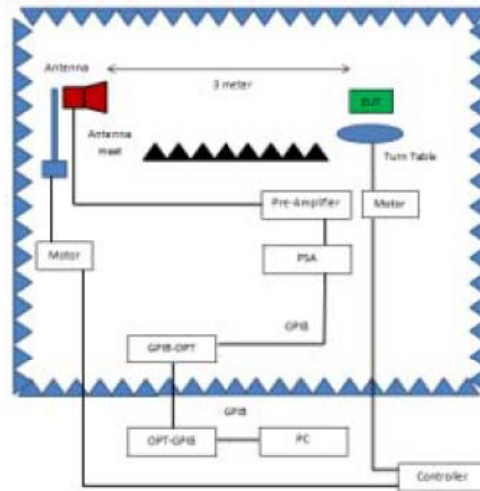
| Frequencies (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-------------------|-----------------------------------|-------------------------------|
| 0.009 ~ 0.490     | $2400/F(\text{kHz})$              | 300                           |
| 0.490 ~ 1.705     | $24000/F(\text{kHz})$             | 30                            |
| 1.705 ~ 30.0      | 30                                | 30                            |
| 30 ~ 88           | 100                               | 3                             |
| 88 ~ 216          | 150                               | 3                             |
| 216 ~ 960         | 200                               | 3                             |
| Above 960         | 500                               | 3                             |

#### Test Procedures:

The transmitter was turned on. Measurements were performed of the low, mid and high Channels. The EUT was rotated orthogonally through all three axes. Plots shown are corrected for both antenna correction factor and distance and compared to a 3 m limit line. Only noise floor was measured above 18 GHz.



**Radiated Emissions, Below 1GHz, Test Setup**



**Radiated Emissions, Above 1GHz, Test Setup**

**Test Results:** The EUT was tested is **compliant** with § 15.209 Radiated Spurious Emissions Requirements.

**Test Engineer:** Rafael Aguilar

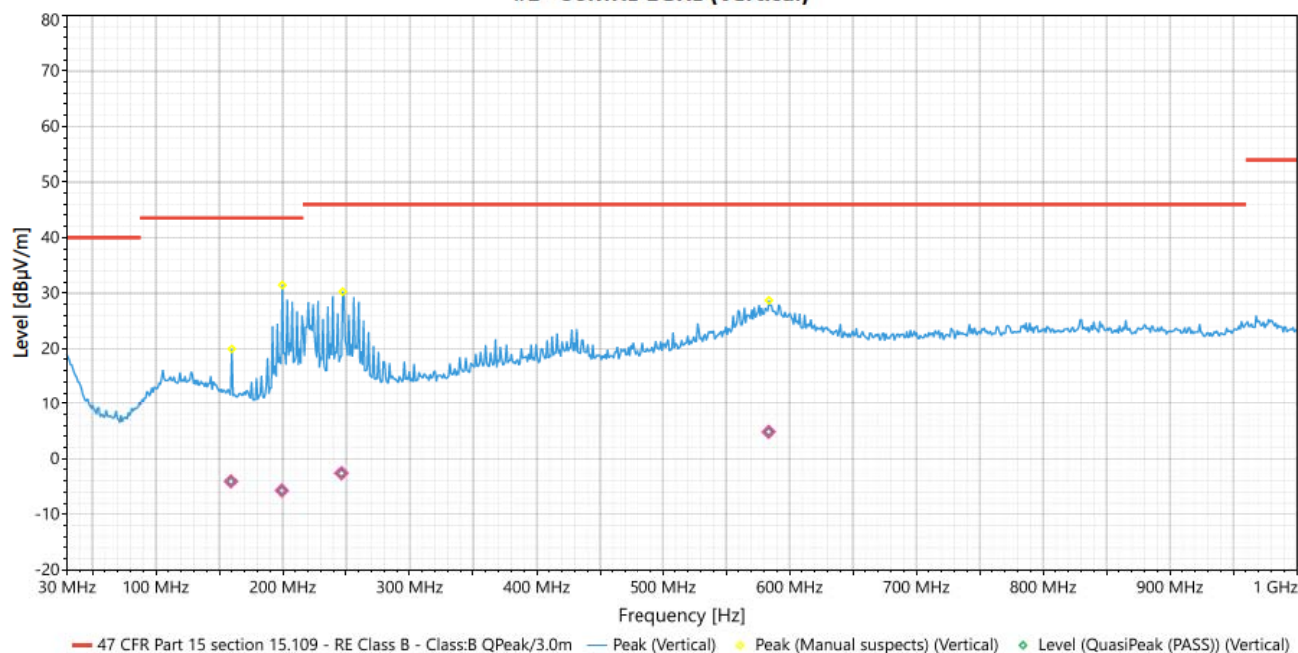
**Test Date(s):** 11/02/2021

## Test Data

### Radiated Emissions (30 MHz~1000 MHz)

| EUT Test Condition       |                      | Measurement Detail |                |
|--------------------------|----------------------|--------------------|----------------|
| Input Power              | 12Vdc                | Frequency Range    | 30MHz-1GHz     |
| Environmental Conditions | 25 deg. C, 70% RH    | Tested By          | Rafael Aguilar |
| Test Mode                | TX MODE BLE 2440 MHz |                    |                |

#1 - 30MHz-1GHz (Vertical)



| Antenna Polarity & Test Distance: Vertical at 3m |                 |              |                      |                     |                  |             |             |                  |           |
|--------------------------------------------------|-----------------|--------------|----------------------|---------------------|------------------|-------------|-------------|------------------|-----------|
| No.                                              | Frequency (MHz) | Polarization | Level Peak[dB(uV/m)] | Limit Peak dB(uV/m) | Margin Peak [dB] | Height (cm) | Angle (Deg) | Factor [dB(1/m)] | Pass/Fail |
| 1                                                | 159.272         | Vertical     | -4.093               | 43.5                | -47.593          | 1           | 156         | -14.79           | Pass      |
| 2                                                | 199.378         | Vertical     | -5.735               | 43.5                | -49.235          | 2.16        | 301         | -15.45           | Pass      |
| 3                                                | 246.248         | Vertical     | -2.6                 | 46                  | -48.6            | 1.58        | 111         | -13.15           | Pass      |
| 4                                                | 583.618         | Vertical     | 4.828                | 46                  | -41.172          | 1.43        | 240         | -5.8             | Pass      |

## REMARKS:

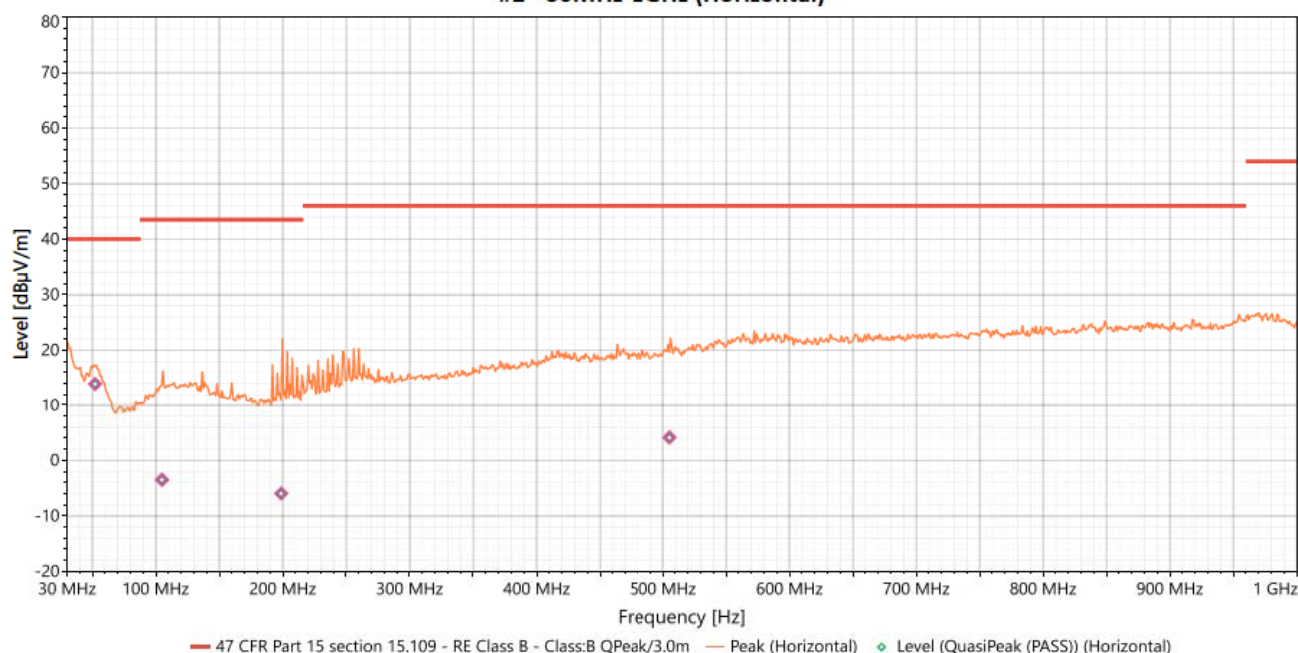
1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB) +Preamplifier
3. Margin value = Emission level – Limit value.



4. The emission levels of other frequencies were less than 20dB margin against the limit.

| EUT Test Condition       |                      | Measurement Detail |                |
|--------------------------|----------------------|--------------------|----------------|
| Input Power              | 12Vdc                | Frequency Range    | 30MHz-1GHz     |
| Environmental Conditions | 25 deg. C, 70% RH    | Tested By          | Rafael Aguilar |
| Test Mode                | TX MODE BLE 2440 MHz |                    |                |

#2 - 30MHz-1GHz (Horizontal)



| Antenna Polarity & Test Distance: Horizontal at 3m |                 |              |                      |                     |                  |             |             |                  |           |
|----------------------------------------------------|-----------------|--------------|----------------------|---------------------|------------------|-------------|-------------|------------------|-----------|
| No.                                                | Frequency (MHz) | Polarization | Level Peak[dB(uV/m)] | Limit Peak dB(uV/m) | Margin Peak [dB] | Height (cm) | Angle (Deg) | Factor [dB(1/m)] | Pass/Fail |
| 1                                                  | 52.348          | Horizontal   | 13.902               | 40                  | -26.098          | 3.41        | 226         | -17.82           | Pass      |
| 2                                                  | 104.892         | Horizontal   | -3.496               | 43.5                | -46.996          | 3.38        | 179         | -13.97           | Pass      |
| 3                                                  | 198.874         | Horizontal   | -5.974               | 43.5                | -49.474          | 1.79        | 56          | -15.7            | Pass      |
| 4                                                  | 505.334         | Horizontal   | 4.117                | 46                  | -41.883          | 1.83        | 335         | -7.13            | Pass      |

#### REMARKS:

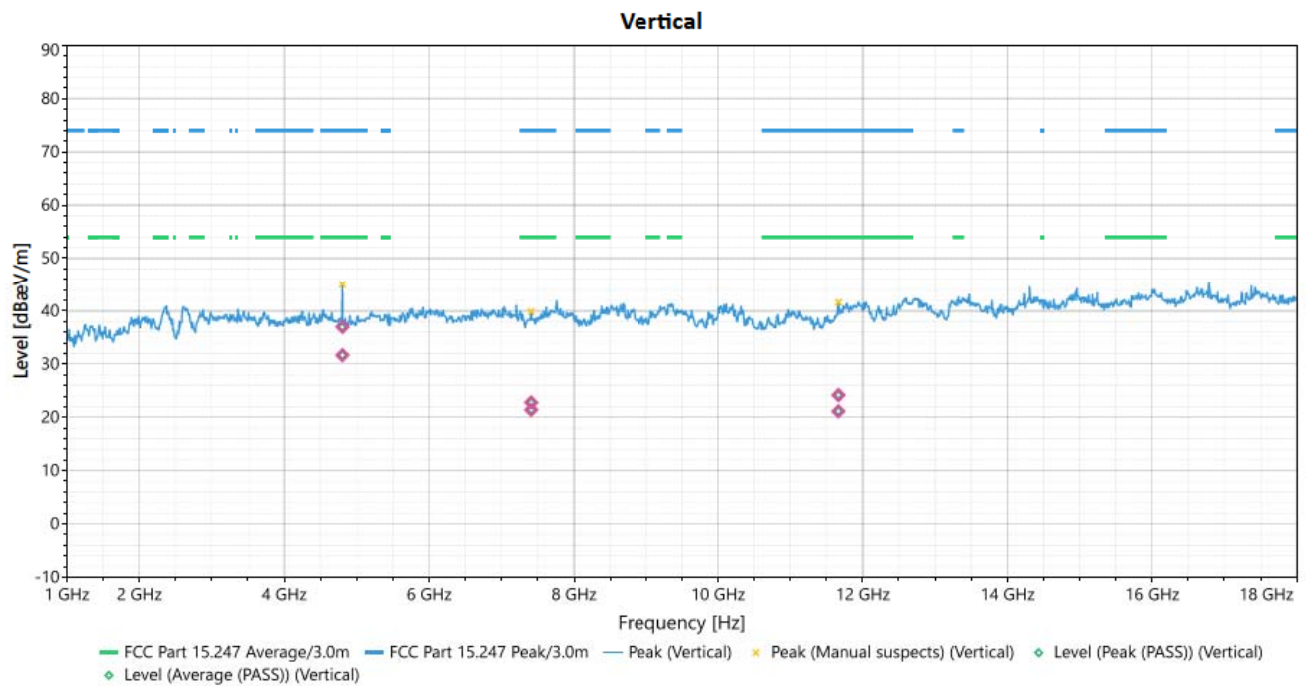
1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB) +Preamplifier
3. Margin value = Emission level – Limit value.

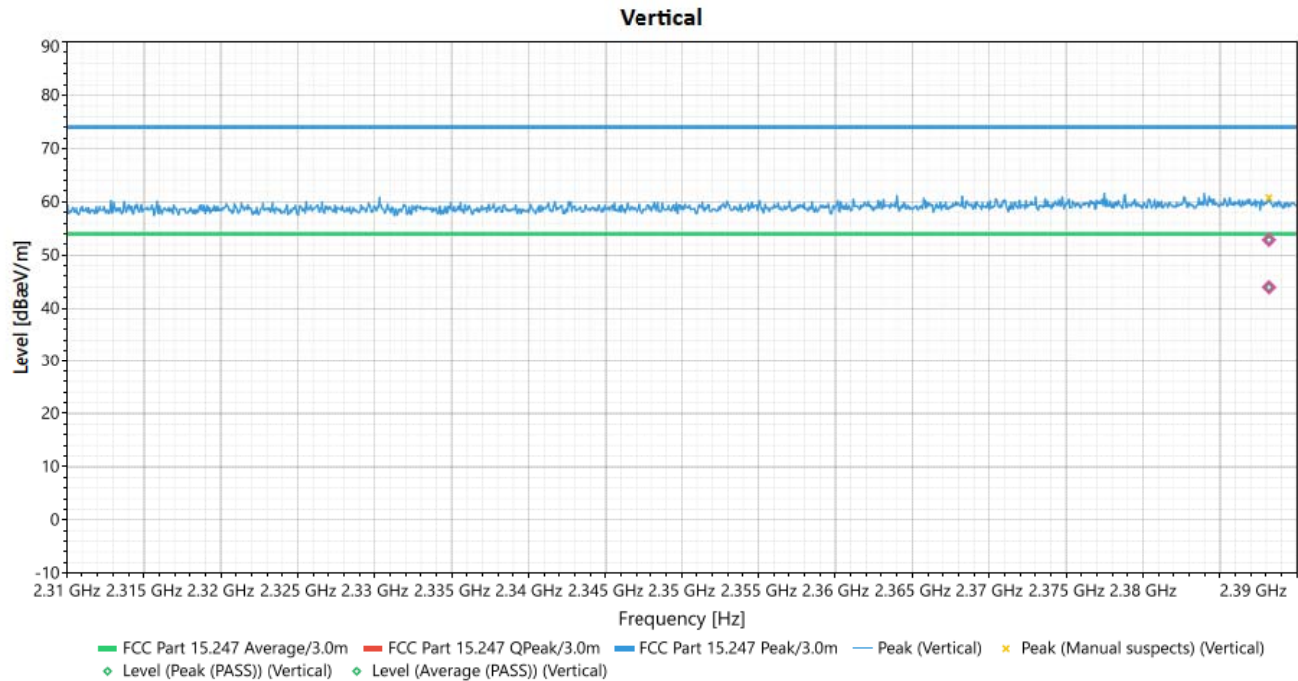


4. The emission levels of other frequencies were less than 20dB margin against the limit.

## Radiated Emissions (Above 1GHz)

| EUT Test Condition       |                      | Measurement Detail |                |
|--------------------------|----------------------|--------------------|----------------|
| Input Power              | 12Vdc                | Frequency Range    | 1GHz-26GHz     |
| Environmental Conditions | 25 deg. C, 70% RH    | Tested By          | Rafael Aguilar |
| Test Mode                | TX MODE BLE 2402 MHz |                    |                |



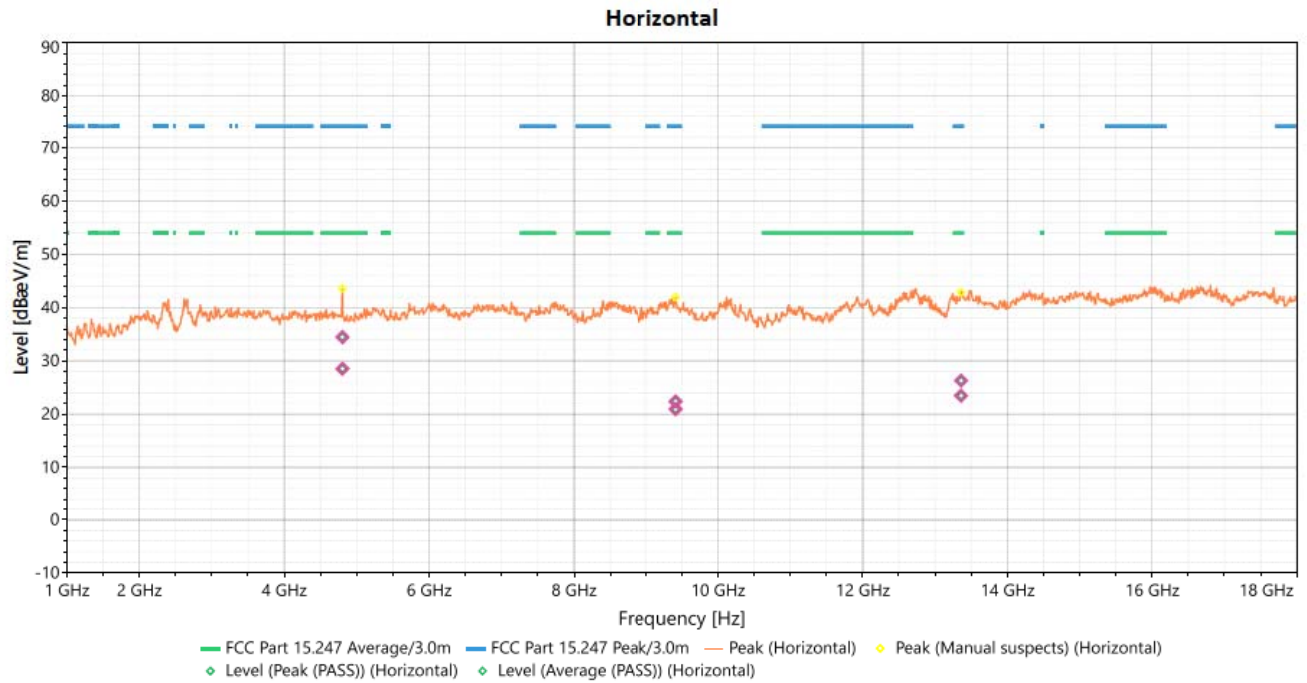


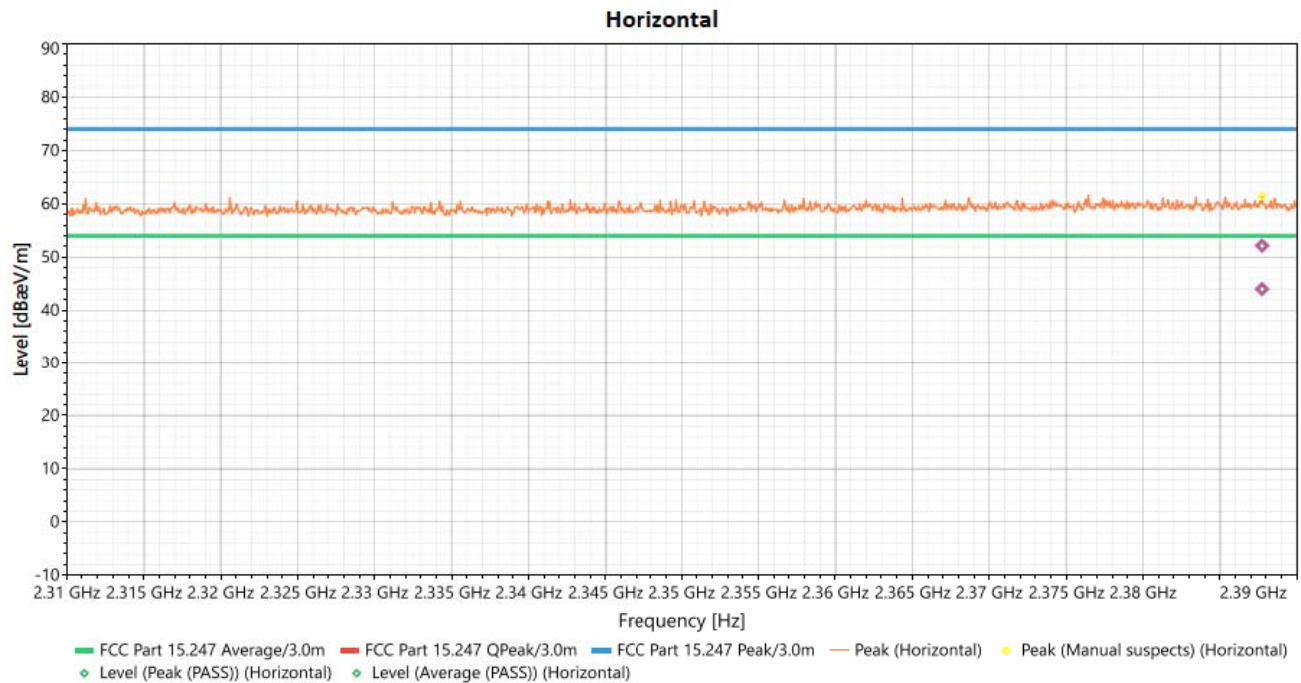
| Antenna Polarity & Test Distance: Vertical at 3m |                 |              |                      |                     |                  |            |             |                  |                      |
|--------------------------------------------------|-----------------|--------------|----------------------|---------------------|------------------|------------|-------------|------------------|----------------------|
| No.                                              | Frequency (MHz) | Polarization | Level Peak[dB(uV/m)] | Limit Peak dB(uV/m) | Margin Peak [dB] | Height (m) | Angle (Deg) | Factor [dB(1/m)] | Measure Type/ Result |
| 1                                                | 4804.299        | Vertical     | 36.984               | 74                  | -37.016          | 1.36       | 74          | 0.3              | Peak (PASS)          |
| 2                                                | 4804.299        | Vertical     | 31.658               | 54                  | -22.342          | 1.36       | 74          | 0.3              | Average (PASS)       |
| 3                                                | 7411.061        | Vertical     | 21.403               | 74                  | -52.597          | 1.47       | 278         | 2.18             | Peak (PASS)          |
| 4                                                | 7411.061        | Vertical     | 22.78                | 54                  | -31.22           | 1.47       | 278         | 2.18             | Average (PASS)       |
| 5                                                | 11665.73        | Vertical     | 21.12                | 74                  | -52.88           | 1.15       | 222         | 3.15             | Peak (PASS)          |
| 6                                                | 11665.73        | Vertical     | 24.157               | 54                  | -29.843          | 1.15       | 222         | 3.15             | Average (PASS)       |
| 7                                                | 4804.299        | Vertical     | 36.984               | 74                  | -37.016          | 1.36       | 74          | 0.3              | Peak (PASS)          |
| 8                                                | 4804.299        | Vertical     | 31.658               | 54                  | -22.342          | 1.36       | 74          | 0.3              | Average (PASS)       |
| 9                                                | 2388.194        | Vertical     | 52.835               | 74                  | -21.165          | 1.58       | 203         | 35.81            | Peak (PASS)          |
| 10                                               | 2388.194        | Vertical     | 43.963               | 54                  | -10.037          | 1.58       | 203         | 35.81            | Average (PASS)       |

**REMARKS:**

1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB) +Preamplifier
3. Margin value = Emission level – Limit value.
4. The emission levels of other frequencies were less than 20dB margin against the limit.

| EUT Test Condition       |                      | Measurement Detail |                |
|--------------------------|----------------------|--------------------|----------------|
| Input Power              | 12Vdc                | Frequency Range    | 1GHz-26GHz     |
| Environmental Conditions | 25 deg. C, 70% RH    | Tested By          | Rafael Aguilar |
| Test Mode                | TX MODE BLE 2402 MHz |                    |                |





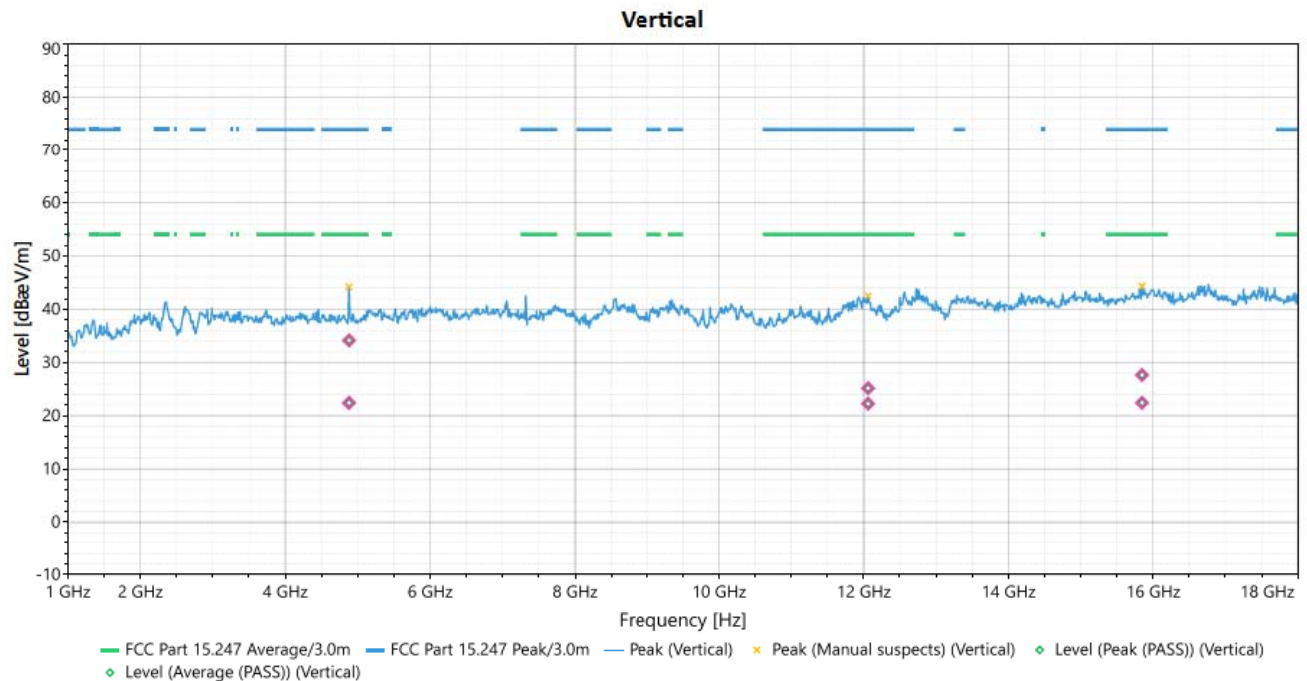
| Antenna Polarity & Test Distance: Horizontal at 3m |                 |              |                      |                     |                  |            |             |                  |                      |
|----------------------------------------------------|-----------------|--------------|----------------------|---------------------|------------------|------------|-------------|------------------|----------------------|
| No.                                                | Frequency (MHz) | Polarization | Level Peak[dB(uV/m)] | Limit Peak dB(uV/m) | Margin Peak [dB] | Height (m) | Angle (Deg) | Factor [dB(1/m)] | Measure Type/ Result |
| 1                                                  | 4804.307        | Horizontal   | 34.456               | 74                  | -39.544          | 1          | 259         | 0.45             | Peak (PASS)          |
| 2                                                  | 4804.307        | Horizontal   | 28.513               | 54                  | -25.487          | 1          | 259         | 0.45             | Average (PASS)       |
| 3                                                  | 9415.948        | Horizontal   | 20.928               | 74                  | -53.072          | 1.36       | 333         | 2.25             | Peak (PASS)          |
| 4                                                  | 9415.948        | Horizontal   | 22.38                | 54                  | -31.62           | 1.36       | 333         | 2.25             | Average (PASS)       |
| 5                                                  | 13361.37        | Horizontal   | 23.456               | 74                  | -50.544          | 1.04       | 0           | 3.2              | Peak (PASS)          |
| 6                                                  | 13361.37        | Horizontal   | 26.303               | 54                  | -27.697          | 1.04       | 0           | 3.2              | Average (PASS)       |
| 7                                                  | 2387.746        | Horizontal   | 52.116               | 74                  | -21.884          | 1.69       | 221         | 35.87            | Peak (PASS)          |
| 8                                                  | 2387.746        | Horizontal   | 43.992               | 54                  | -10.008          | 1.69       | 221         | 35.87            | Average (PASS)       |

#### REMARKS:

1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB) +Preamplifier
3. Margin value = Emission level – Limit value.
4. The emission levels of other frequencies were less than 20dB margin against the limit.



| EUT Test Condition       |                      | Measurement Detail |                |
|--------------------------|----------------------|--------------------|----------------|
| Input Power              | 12Vdc                | Frequency Range    | 1GHz-26GHz     |
| Environmental Conditions | 25 deg. C, 70% RH    | Tested By          | Rafael Aguilar |
| Test Mode                | TX MODE BLE 2440 MHz |                    |                |

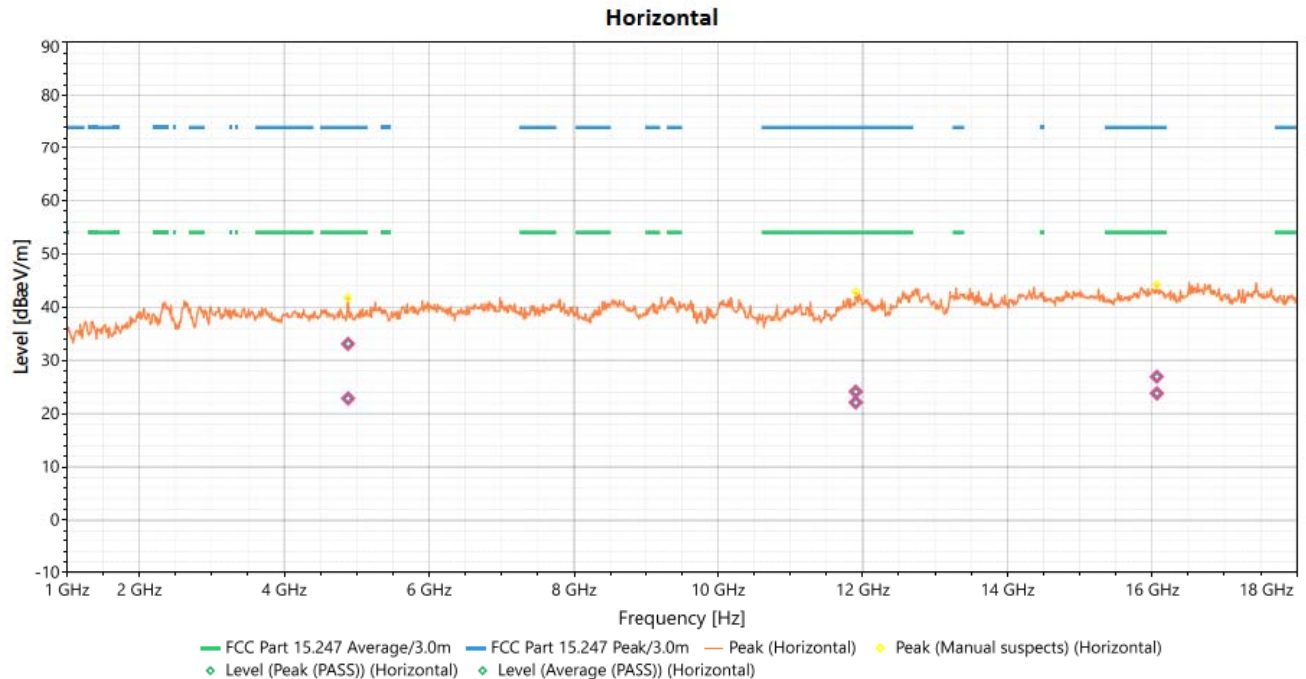


| Antenna Polarity & Test Distance: Vertical at 3m |                 |              |                      |                     |                  |            |             |                  |                      |
|--------------------------------------------------|-----------------|--------------|----------------------|---------------------|------------------|------------|-------------|------------------|----------------------|
| No.                                              | Frequency (MHz) | Polarization | Level Peak[dB(uV/m)] | Limit Peak dB(uV/m) | Margin Peak [dB] | Height (m) | Angle (Deg) | Factor [dB(1/m)] | Measure Type/ Result |
| 1                                                | 4881.088        | Vertical     | 34.144               | 74                  | -39.856          | 1.04       | 203         | 0.17             | Peak (PASS)          |
| 2                                                | 4881.088        | Vertical     | 22.4                 | 54                  | -31.6            | 1.04       | 203         | 0.17             | Average (PASS)       |
| 3                                                | 12062.15        | Vertical     | 22.246               | 74                  | -51.754          | 1.04       | 297         | 3.64             | Peak (PASS)          |
| 4                                                | 12062.15        | Vertical     | 25.156               | 54                  | -28.844          | 1.04       | 297         | 3.64             | Average (PASS)       |
| 5                                                | 15847.76        | Vertical     | 22.434               | 74                  | -51.566          | 1.15       | 74          | 4.97             | Peak (PASS)          |
| 6                                                | 15847.76        | Vertical     | 27.641               | 54                  | -26.359          | 1.15       | 74          | 4.97             | Average (PASS)       |

1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB) +Preamplifier
3. Margin value = Emission level – Limit value.
4. The emission levels of other frequencies were less than 20dB margin against the limit.



| EUT Test Condition       |                      | Measurement Detail |                |
|--------------------------|----------------------|--------------------|----------------|
| Input Power              | 12Vdc                | Frequency Range    | 1GHz-26GHz     |
| Environmental Conditions | 25 deg. C, 70% RH    | Tested By          | Rafael Aguilar |
| Test Mode                | TX MODE BLE 2440 MHz |                    |                |

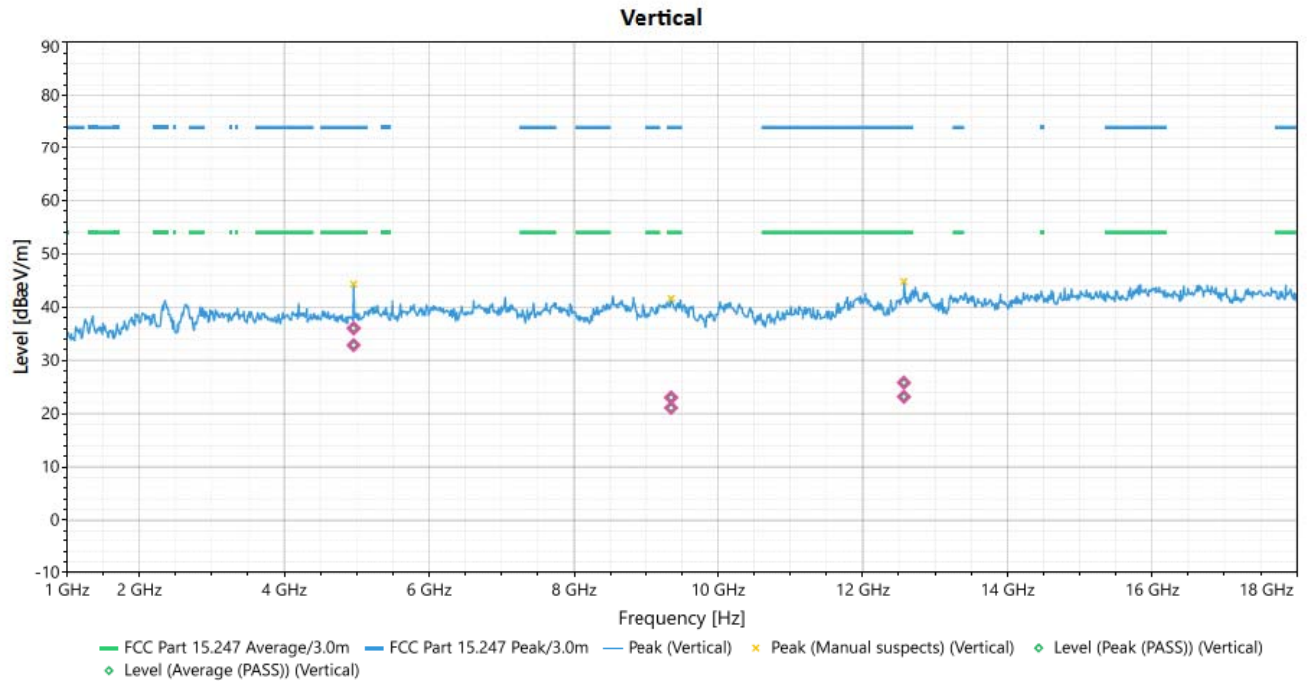


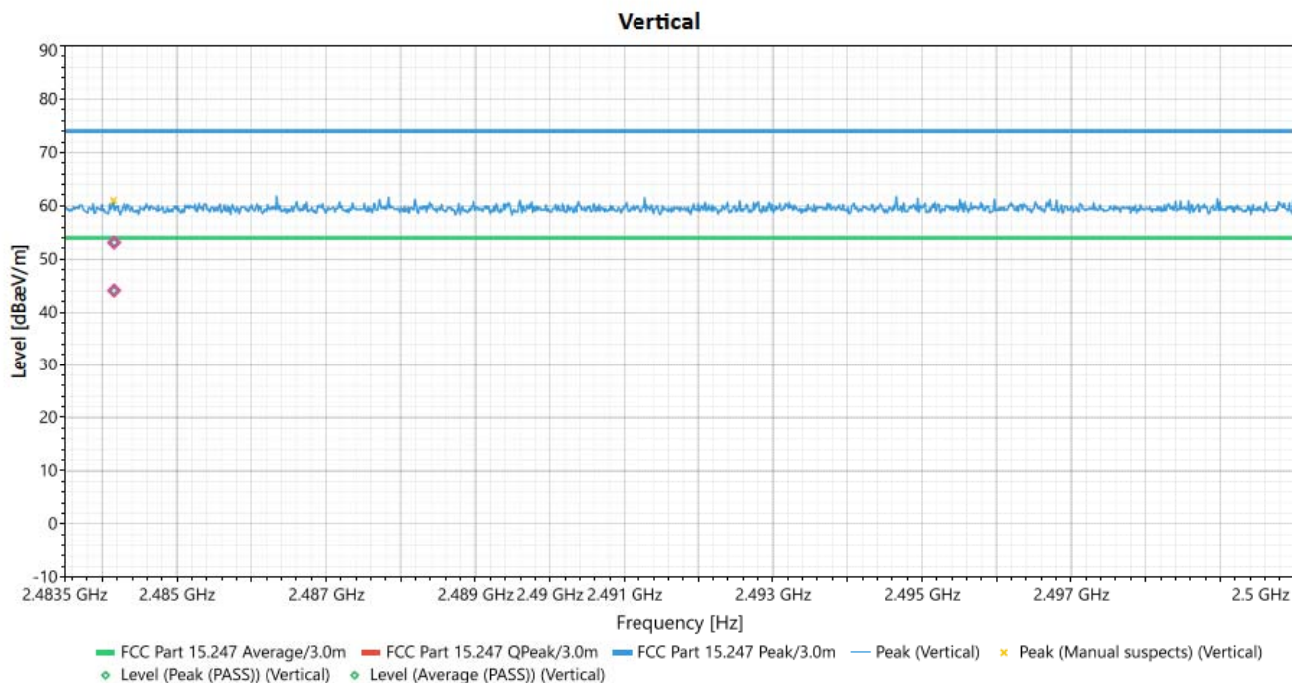
| Antenna Polarity & Test Distance: Horizontal at 3m |                 |              |                       |                     |                  |             |             |                  |                      |
|----------------------------------------------------|-----------------|--------------|-----------------------|---------------------|------------------|-------------|-------------|------------------|----------------------|
| No.                                                | Frequency (MHz) | Polarization | Level Peak [dB(uV/m)] | Limit Peak dB(uV/m) | Margin Peak [dB] | Height (cm) | Angle (Deg) | Factor [dB(1/m)] | Measure Type/ Result |
| 1                                                  | 4881.09         | Horizontal   | 33.115                | 74                  | -40.885          | 1.04        | 241         | 0.28             | Peak (PASS)          |
| 2                                                  | 4881.09         | Horizontal   | 22.857                | 54                  | -31.143          | 1.04        | 241         | 0.28             | Average (PASS)       |
| 3                                                  | 11906.48        | Horizontal   | 22.079                | 74                  | -51.921          | 1.47        | 203         | 3.43             | Peak (PASS)          |
| 4                                                  | 11906.48        | Horizontal   | 24.133                | 54                  | -29.867          | 1.47        | 203         | 3.43             | Average (PASS)       |
| 5                                                  | 16065.68        | Horizontal   | 23.821                | 74                  | -50.179          | 1           | 129         | 4.86             | Peak (PASS)          |
| 6                                                  | 16065.68        | Horizontal   | 26.954                | 54                  | -27.046          | 1           | 129         | 4.86             | Average (PASS)       |

#### REMARKS:

1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB) +Preamplifier
3. Margin value = Emission level – Limit value.
4. The emission levels of other frequencies were less than 20dB margin against the limit.

| EUT Test Condition       |                      | Measurement Detail |                |
|--------------------------|----------------------|--------------------|----------------|
| Input Power              | 12Vdc                | Frequency Range    | 1GHz-26GHz     |
| Environmental Conditions | 25 deg. C, 70% RH    | Tested By          | Rafael Aguilar |
| Test Mode                | TX MODE BLE 2480 MHz |                    |                |

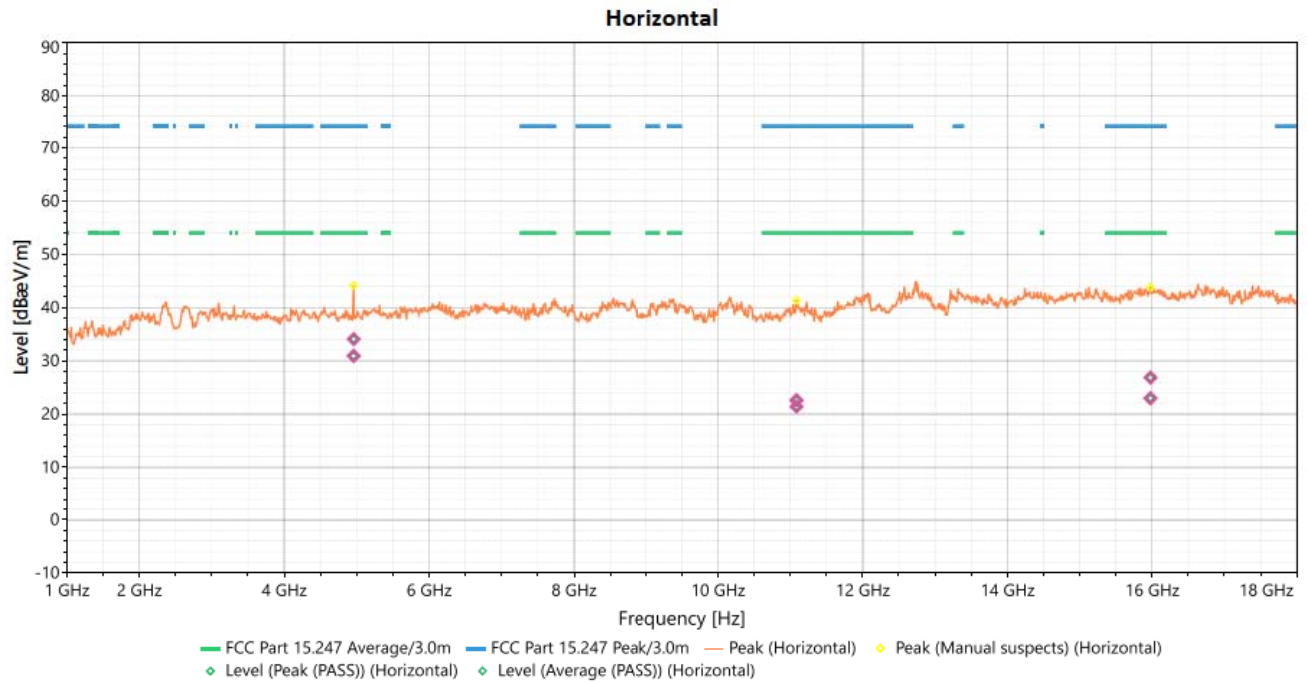




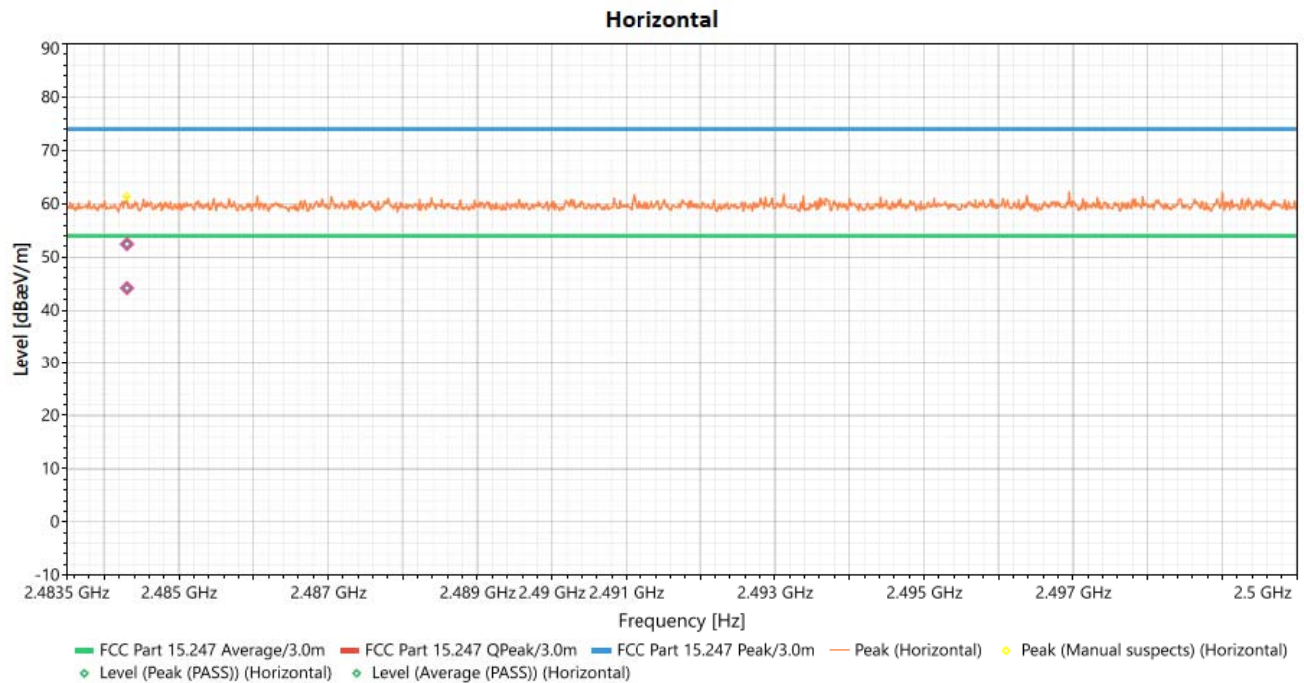
| Antenna Polarity & Test Distance: Vertical at 3m |                 |              |                       |                     |                  |            |             |                  |                      |
|--------------------------------------------------|-----------------|--------------|-----------------------|---------------------|------------------|------------|-------------|------------------|----------------------|
| No.                                              | Frequency (MHz) | Polarization | Level Peak [dB(μV/m)] | Limit Peak dB(μV/m) | Margin Peak [dB] | Height (m) | Angle (Deg) | Factor [dB(1/m)] | Measure Type/ Result |
| 1                                                | 4959.962        | Vertical     | 36.022                | 74                  | -37.978          | 1          | 277         | 0.17             | Peak (PASS)          |
| 2                                                | 4959.962        | Vertical     | 32.884                | 54                  | -21.116          | 1          | 277         | 0.17             | Average (PASS)       |
| 3                                                | 9355.75         | Vertical     | 21.104                | 74                  | -52.896          | 1.69       | 222         | 2.2              | Peak (PASS)          |
| 4                                                | 9355.75         | Vertical     | 23.029                | 54                  | -30.971          | 1.69       | 222         | 2.2              | Average (PASS)       |
| 5                                                | 12570.63        | Vertical     | 23.195                | 74                  | -50.805          | 1.37       | 222         | 3.83             | Peak (PASS)          |
| 6                                                | 12570.63        | Vertical     | 25.826                | 54                  | -28.174          | 1.37       | 222         | 3.83             | Average (PASS)       |
| 7                                                | 2484.161        | Vertical     | 53.107                | 74                  | -20.893          | 1          | 110         | 36.21            | Peak (PASS)          |
| 8                                                | 2484.161        | Vertical     | 44.089                | 54                  | -9.911           | 1          | 110         | 36.21            | Average (PASS)       |

1. Level (dBμV) = Reading (dBμV) + Factor (dB(1/m)).
2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB) + Preamplifier
3. Margin value = Emission level – Limit value.
4. The emission levels of other frequencies were less than 20dB margin against the limit.

| EUT Test Condition       |                      | Measurement Detail |                |
|--------------------------|----------------------|--------------------|----------------|
| Input Power              | 12Vdc                | Frequency Range    | 1GHz-26GHz     |
| Environmental Conditions | 25 deg. C, 70% RH    | Tested By          | Rafael Aguilar |
| Test Mode                | TX MODE BLE 2480 MHz |                    |                |





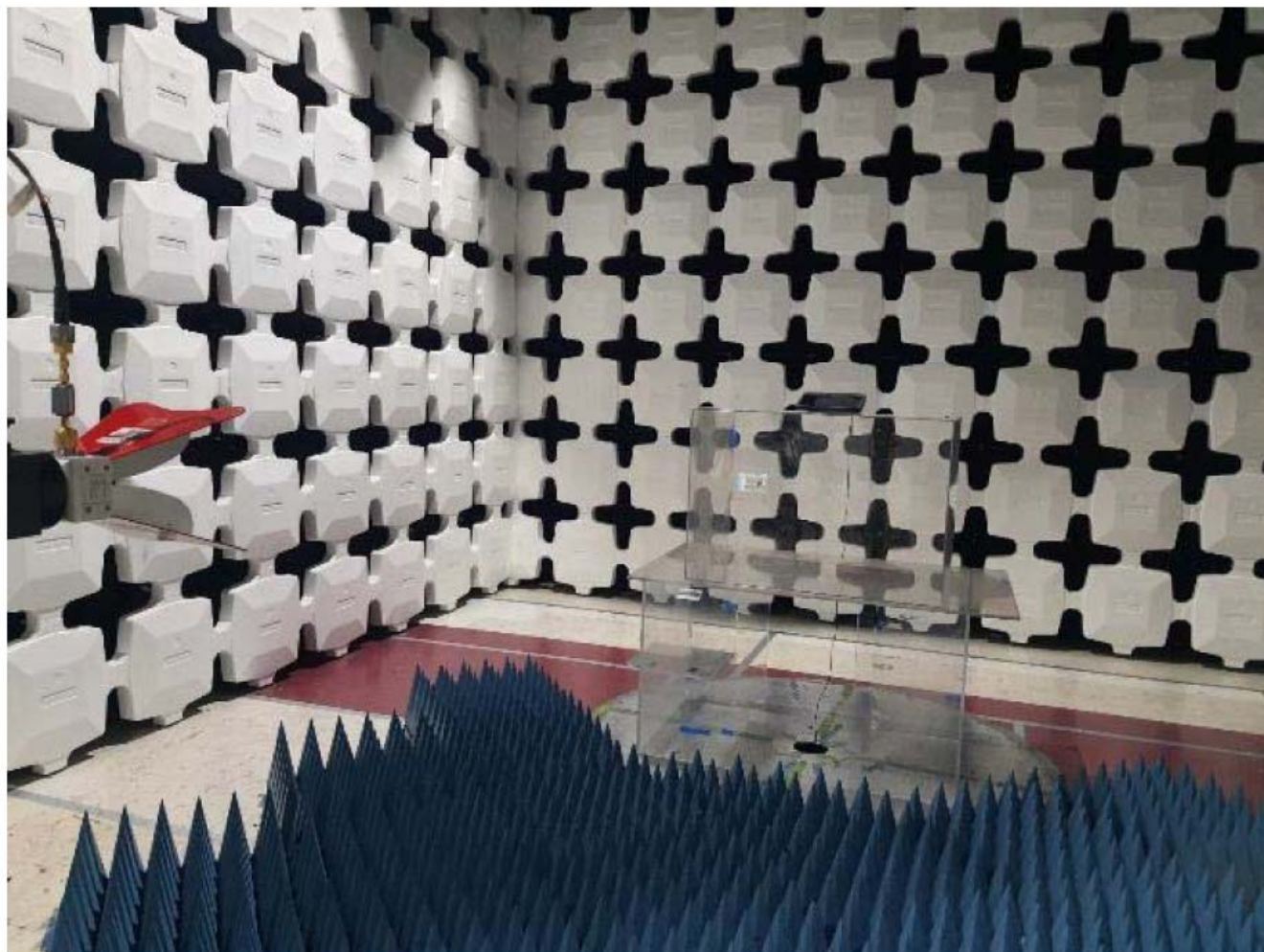


| Antenna Polarity & Test Distance: Horizontal at 3m |                 |              |                  |                     |                  |             |             |                  |                      |
|----------------------------------------------------|-----------------|--------------|------------------|---------------------|------------------|-------------|-------------|------------------|----------------------|
| No.                                                | Frequency (MHz) | Polarization | Level [dB(uV/m)] | Limit Peak dB(uV/m) | Margin Peak [dB] | Height (cm) | Angle (Deg) | Factor [dB(1/m)] | Measure Type/ Result |
| 1                                                  | 4959.959        | Horizontal   | 34.085           | 74                  | -39.915          | 1           | 350         | 0.24             | Peak (PASS)          |
| 2                                                  | 4959.959        | Horizontal   | 30.925           | 54                  | -23.075          | 1           | 350         | 0.24             | Average (PASS)       |
| 3                                                  | 11086.68        | Horizontal   | 21.425           | 74                  | -52.575          | 1           | 0           | 2.79             | Peak (PASS)          |
| 4                                                  | 11086.68        | Horizontal   | 22.622           | 54                  | -31.378          | 1           | 0           | 2.79             | Average (PASS)       |
| 5                                                  | 15978.51        | Horizontal   | 22.989           | 74                  | -51.011          | 1.59        | 333         | 4.82             | Peak (PASS)          |
| 6                                                  | 15978.51        | Horizontal   | 26.859           | 54                  | -27.141          | 1.59        | 333         | 4.82             | Average (PASS)       |
| 7                                                  | 2484.306        | Horizontal   | 52.462           | 74                  | -21.538          | 1.47        | 147         | 36.33            | Peak (PASS)          |
| 8                                                  | 2484.306        | Horizontal   | 44.155           | 54                  | -9.845           | 1.47        | 147         | 36.33            | Average (PASS)       |

#### REMARKS:

1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB) +Preamplifier
3. Margin value = Emission level – Limit value.
4. The emission levels of other frequencies were less than 20dB margin against the limit.





**Figure 1. Radiated Emission and Bandage Measurement, Test Setup**

## Test Equipment List

Calibrated test equipment utilized during testing was maintained in a current state of calibration per the requirements of ISO/IEC 17025:2017.

| Asset #                                                               | Equipment                    | Manufacturer       | Model                | Last Cal Date | Cal Due Date |
|-----------------------------------------------------------------------|------------------------------|--------------------|----------------------|---------------|--------------|
| 1S2003                                                                | PXA Signal Analyzer          | Keysight           | N9030B               | 10/08/2021    | 10/08/2022   |
| 1S2399                                                                | Turntable Controller         | SUNOL SCIENCE      | SC99V                | Not Required  | Not Required |
| 1S2435                                                                | Horn Antenna (Medium)        | ETS-Lindgren       | 3117                 | 03/09/2021    | 03/09/2023   |
| 1S2486                                                                | 5 Meter Chamber Control Room | Panashield         | 5 Meter Control Room | Not Required  | Not Required |
| 1S2587                                                                | Preamplifier                 | AML Communications | AML0126L3801         | Note 1        | Note 1       |
| Note 1: Verified by calibrated instrumentation at the time of testing |                              |                    |                      |               |              |

**Table 1. Radiated Emission and Bandage Measurement, Test Equipment List**

**END OF REPORT**