

April 04, 2022

BRISA AMERICA CORP
Paulo Toledo
1420 Celebration Blvd., Suite 200
Orlando, FL 34747

Dear Paulo Toledo,

Enclosed is the EMC Wireless test report for compliance testing of the Brisa, EZYLOCK Electronic Controlled Door Lock Commercial as tested to the requirements of Title 47 of the CFR, Ch. 1 (10-1-06 ed.), Part 15 Subpart C for Intentional Radiators.

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

Gary Chou

Documentation Department
Eurofins Electrical and Electronic Testing NA, Inc.

Reference: WIR117103-FCC-WLAN



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

FCC Test Report

Applicant name: BRISA AMERICA CORP

Product: Electronic Controlled Door Lock

Report: WIR117103-FCC-WLAN

Applicant Address:

**1420 Celebration Blvd., Suite 200
Orlando, FL 34747**

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

FCC Test Report

Applicant name : BRISA AMERICA CORP

Product: Electronic Controlled Door Lock

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

ANSI C63.10: 2013 2009

Gary Chou

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

Eleazar Zuniga,
Director, Wireless Laboratory

Report Status Sheet

Revision	Report Date	Reason for Revision
Ø	April 04, 2022	Initial Issue.

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I. Executive Summary

A. Executive Summary

47 CFR FCC Part 15, Subpart C (SECTION 15.247)			
FCC/ IC Cluse	Test Item	Result	Remarks
15.205 &15.209 & 15.247(d)	Radiated Emissions and Band Edge Measurement	PASS	Meet the requirement of limit.
15.247(a)(2)	6dB bandwidth & 99% bandwidth	N/A	Note 2
15.247(b)	Conducted power	N/A	Note 2
15.247(e)	Power Spectral Density	N/A	Note 2
15.203	Antenna Requirement	PASS	PCB antenna (without connector) meet the requirement.

Note:

1.Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2 Please refer FCC report: XPYNINAW15

II. Equipment Information

A. Overview

EUT Summary Table

Product:	Electronic Controlled Door Lock	
Brand:	Brisa	
Model(s) Tested:	EZYLOCK	
Series Model:	N/A	
Filing Status:	Original	
EUT Specifications:	Primary Power:	6Vdc powered by battery
	Voltage Frequency:	N/A
	Technology / Type of Modulations:	WLAN 802.11 B/G/N: DSSS/ OFDM
	Operating Frequency :	WLAN: 2412-2462 MHz
	FCC ID:	2A6CYEZYLOCKUSW40
	ISED ID:	N/A
	Antenna Type:	Chip Antenna +3 dBi
	Antenna connector:	N/A
Analysis:	The results obtained relate only to the item(s) tested.	
Environmental Test Conditions:	Temperature: 20.3° C	
	Relative Humidity: 47.5%	
	Barometric Pressure: 860-1060 mbar	
Evaluated by:	Gary Chou	
Issue Date(s):	April 04, 2022	

NOTE: The following modules can be chosen to be configured in the EUT.

	Model No.	FCC ID	Note
Cellular	SARA-R410M	XPY2AGQN4NNN	-
WLAN/ BLE	NINA-W156	XPYNINAW15	BLE function disable

B. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
B	Laptop	ACER	A315-51-533U	NXGNPAA0167300AA597600	-	-

Note: (Describe the outline of a simulator, if used for the tests, as a note under the table.)

Insert Cable Connections to/from EUT provided by test team.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
	-	-	-	-	0	-

Note: The core(s) is(are) originally attached to the cable(s).

General Description of Applied Standards

C. References

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

- o 47 CFR FCC Part 15, Subpart C (Section 15.247)
- o 558074 D01 15.247 Meas Guidance v05r02
- o ANSI C63.10:2013

D. 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.

E. 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

F. 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.

G. Disposition of EUT

The test sample including all support equipment (if any), submitted to the Electromagnetic Compatibility Lab for testing was returned to Brisa 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:

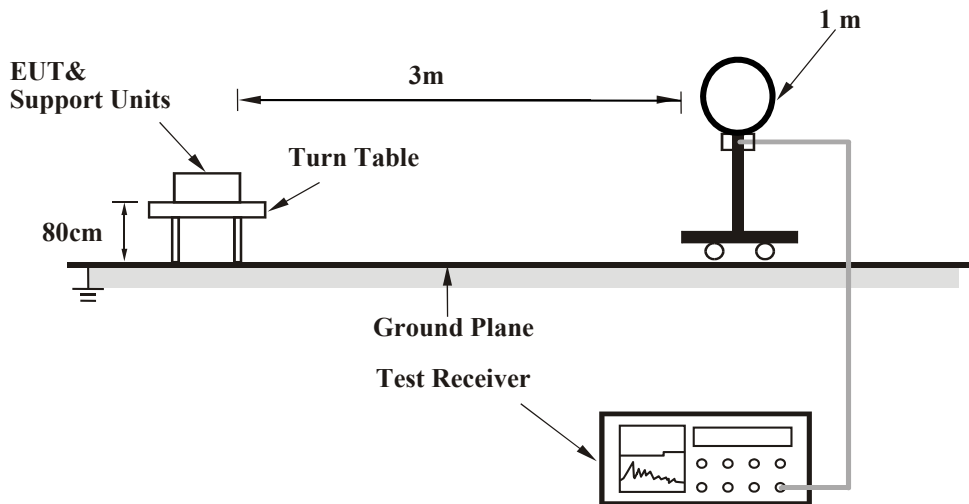
Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Test Procedures:

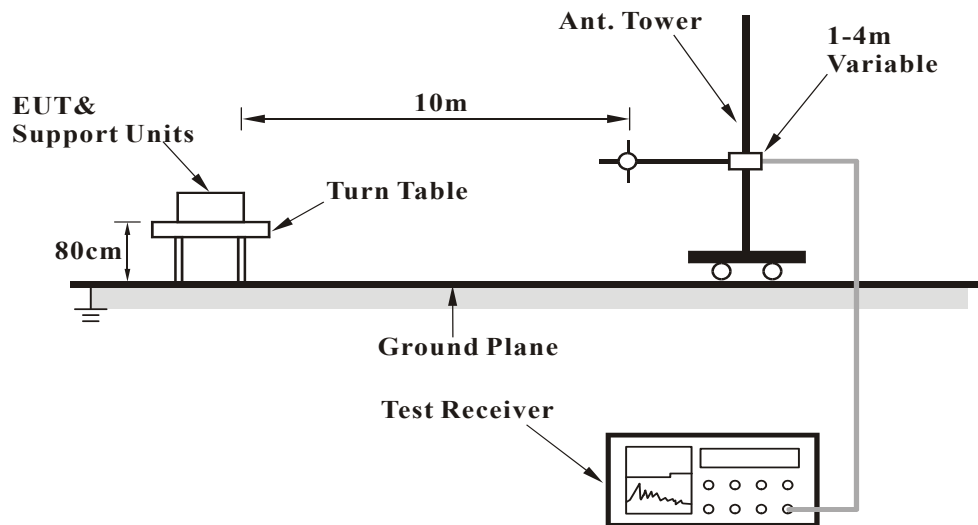
The transmitter was turned on. Measurements were performed of the low, mid and high Channels. The EUT was rotated orthogonally through all three axes. Plots shown are corrected for both antenna correction factor and distance and compared to a 3 m limit line. Only noise floor was measured above 18 GHz.

Test Setup

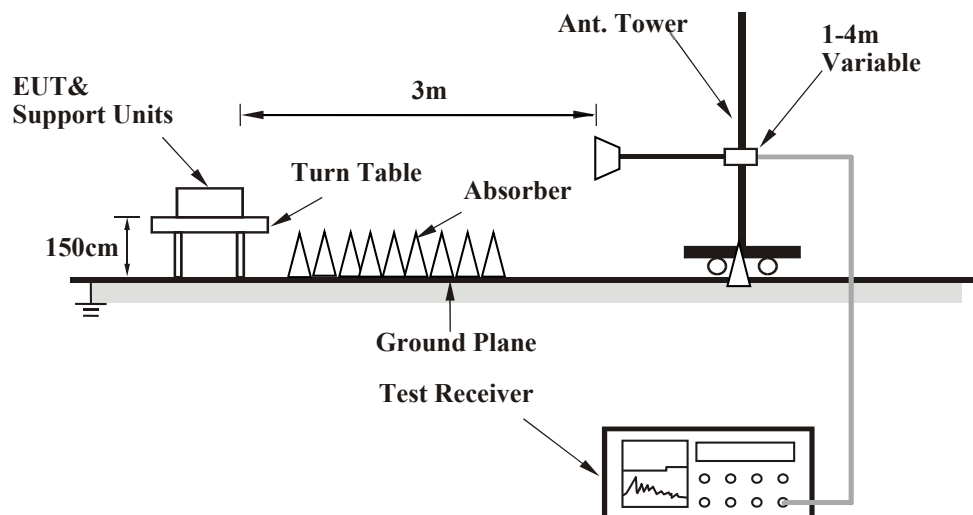
For Radiated Emission Below 30MHz



For Radiated emission 30 MHz to 1GHz



For Radiated emission 1GHz to 40GHz



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

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	EMI Test Receiver	ROHDE & SCHWARZ	N9030B	10/08/2021	10/08/2022
1S2399	Turntable Controller	SUNOL SCIENCE	SC99V	Not Required	Not Required
1S2486	5 Meter Chamber Control Room	Panashield	5 Meter Control Room	Not Required	Not Required
1S2435	Horn Antenna	ETS-LINDGREN	3117	03/03/2021	03/09/2023
N/A	Preamplifier	EMC Instrument	EMC118A45SE	Note 1	Note 1
1S2668	Preamplifier	Sonoma Instrument	310N	Note 1	Note 1
1S2600	Antenna	TESEQ GmbH	D-12623	05/ 11/ 2021	05/ 11/ 2023
1S3983	Loop Antenna	ETS-LINDGREN	6512	10/ 14 /2021	10/ 14 /2023
Note 1: Verified by calibrated instrumentation at the time of testing					

Test Engineer: Rafael Aguilar

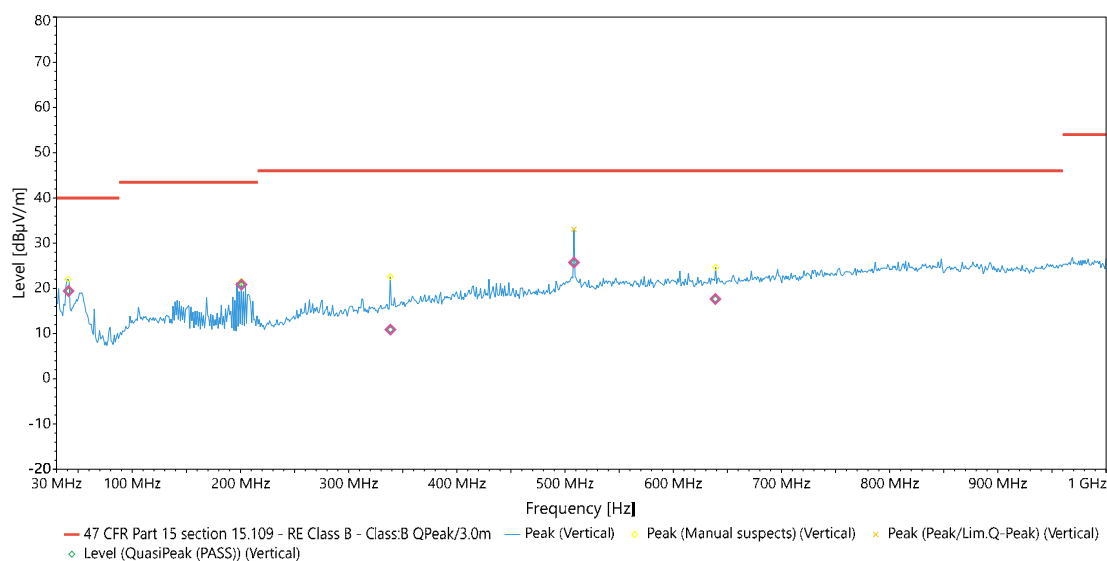
Test Date(s): 03/28/2022

Test Data

Radiated Emissions (30 MHz~1000 MHz)

EUT Test Condition		Measurement Detail	
Input Power	6Vdc	Frequency Range	30MHz-1GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11B 2437 MHz		

#1 - 30MHz-1GHz (Vertical)



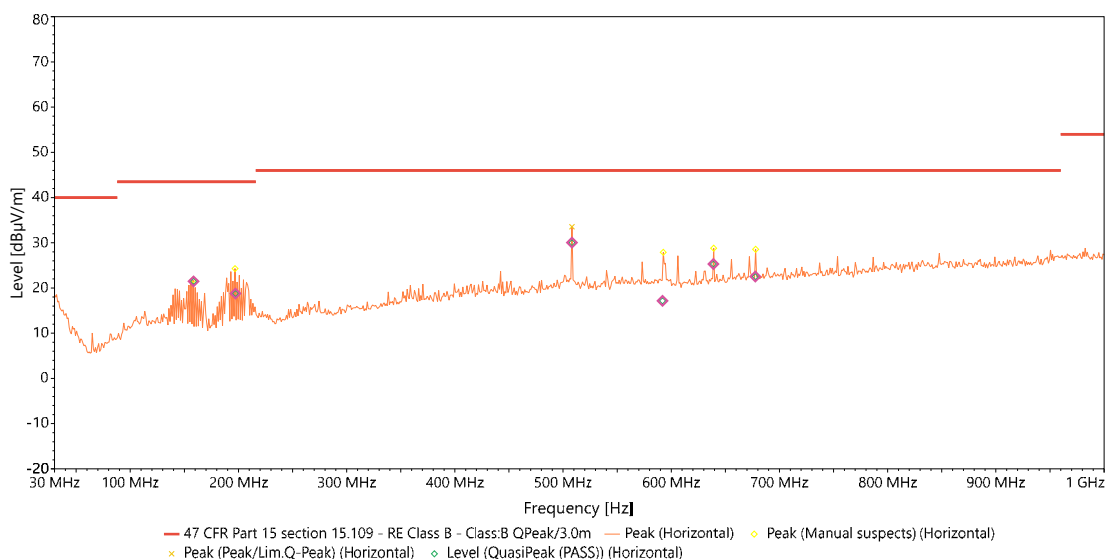
Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	41.15	Vertical	19.43	40	-20.57	1	351	-15.95	Pass
2	200.9	Vertical	20.85	43.5	-22.65	1.65	252	-15.72	Pass
3	338.652	Vertical	10.88	46	-35.12	1.01	299	-10.7	Pass
4	508.234	Vertical	25.74	46	-20.26	1.7	242	-6.99	Pass
5	638.944	Vertical	17.65	46	-28.35	2.55	105	-5.03	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	6Vdc	Frequency Range	30MHz-1GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11B 2437 MHz		

#2 - 30MHz-1GHz (Horizontal)



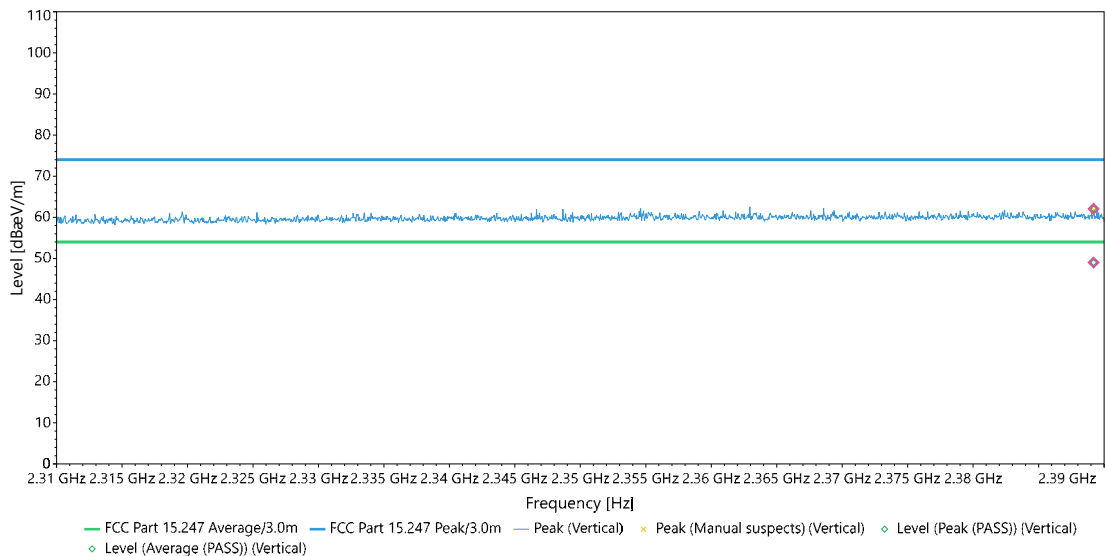
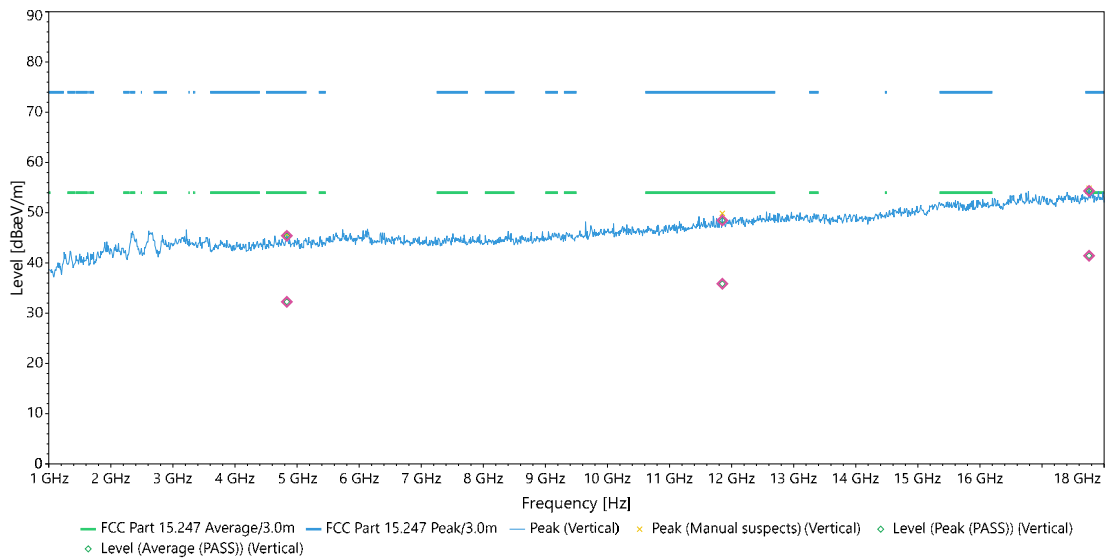
Antenna Polarity & Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	158.52	Horizontal	21.46	43.5	-22.04	1.26	347	-16.27	Pass
2	197.21	Horizontal	18.77	43.5	-24.73	1.41	172	-16.23	Pass
3	508.25	Horizontal	30.03	46	-15.97	3.76	24	-6.79	Pass
4	591.94	Horizontal	17.16	46	-28.84	1	326	-5.61	Pass
5	638.96	Horizontal	25.31	46	-20.69	1.11	78	-4.83	Pass
6	677.66	Horizontal	22.53	46	-23.47	2.09	0	-4.48	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11 B 2412 MHz		

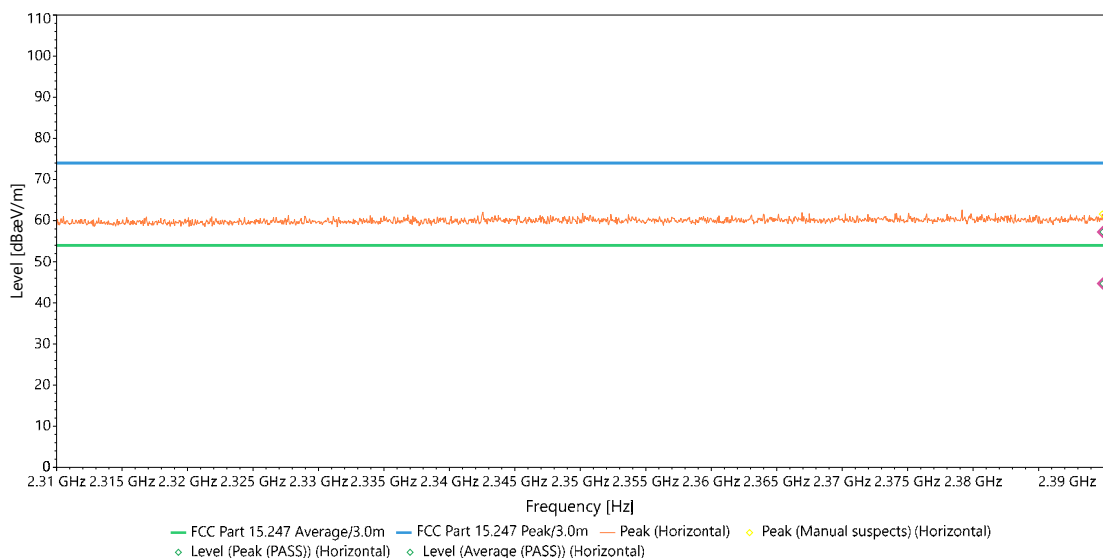
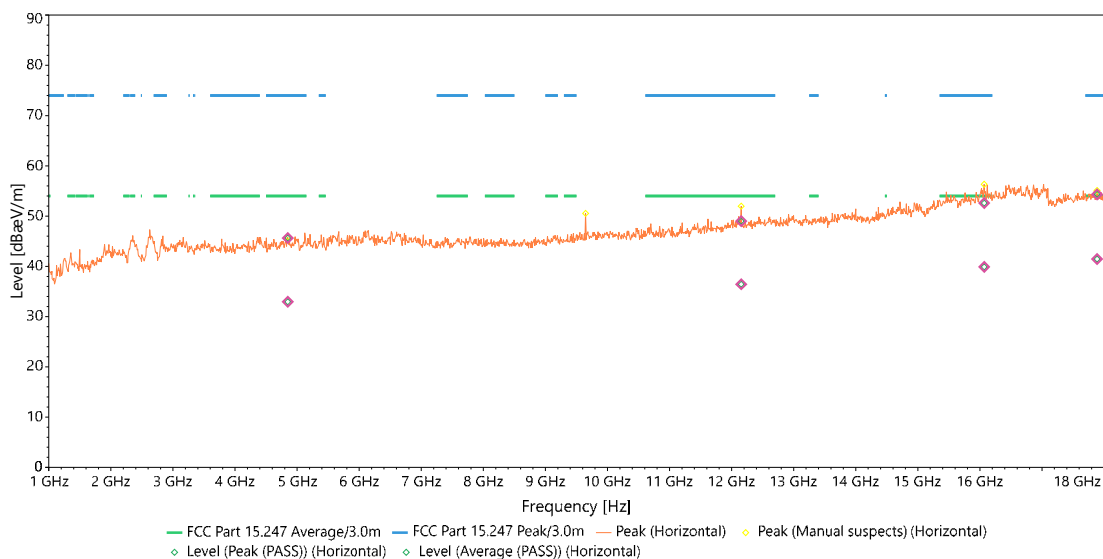


Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4833.50	Vertical	45.41	74.00	-28.59	2.67	0.00	1.82	Pass
2	4833.50	Vertical	32.28	54.00	-21.72	2.67	0.00	1.82	Pass
3	11851.00	Vertical	48.49	74.00	-25.51	2.64	307.00	3.88	Pass
4	11851.00	Vertical	35.87	54.00	-18.13	2.64	307.00	3.88	Pass
5	17759.00	Vertical	54.33	74.00	-19.67	1.39	305.00	3.29	Pass
6	17759.00	Vertical	41.45	54.00	-12.55	1.39	305.00	3.29	Pass
7	2389.20	Vertical	62.06	74.00	-11.94	1.67	219.00	37.46	Pass
8	2389.20	Vertical	49.00	54.00	-5.00	1.67	219.00	37.46	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11B 2412 MHz		

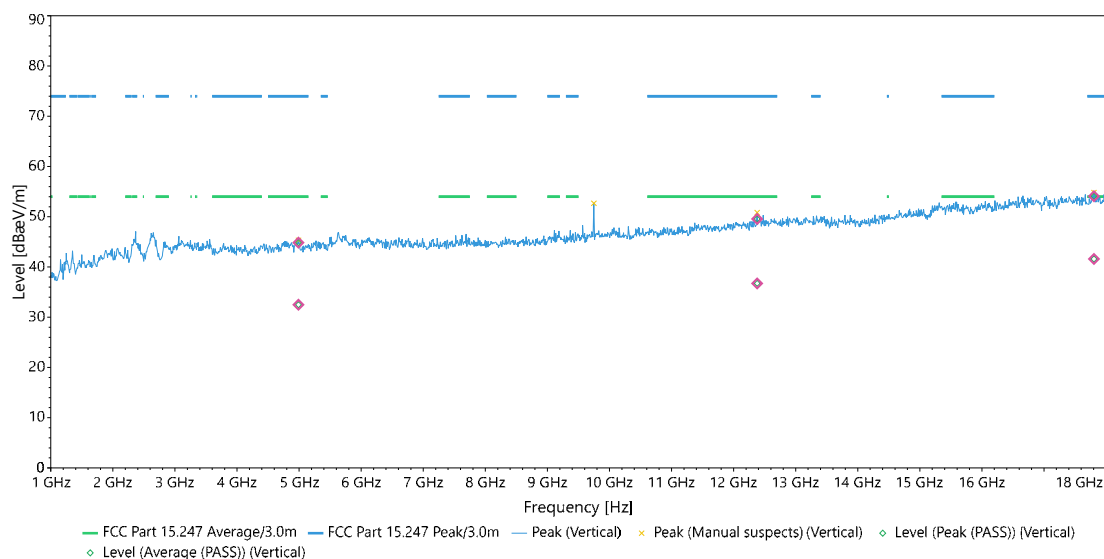


Antenna Polarity & Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Polarization	Level Peak [dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4848.80	Horizontal	45.64	74.00	-28.36	1.10	117.00	2.21	Pass
2	4848.80	Horizontal	32.96	54.00	-21.04	1.10	117.00	2.21	Pass
3	12154.00	Horizontal	48.99	74.00	-25.01	1.00	293.00	4.32	Pass
4	12154.00	Horizontal	36.44	54.00	-17.56	1.00	293.00	4.32	Pass
5	16069.00	Horizontal	52.59	74.00	-21.41	2.35	225.00	5.33	Pass
6	16069.00	Horizontal	41.28	54	-12.72	1.4	7	3.08	Pass
7	17888.00	Horizontal	62.35	74	-11.65	1.52	202	37.51	Pass
8	17888.00	Horizontal	49.25	54	-4.75	1.52	202	37.51	Pass
9	2389.90	Horizontal	57.26	74.00	-16.74	2.45	294.00	37.50	Pass
10	2389.90	Horizontal	44.70	54.00	-9.30	2.45	294.00	37.50	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.

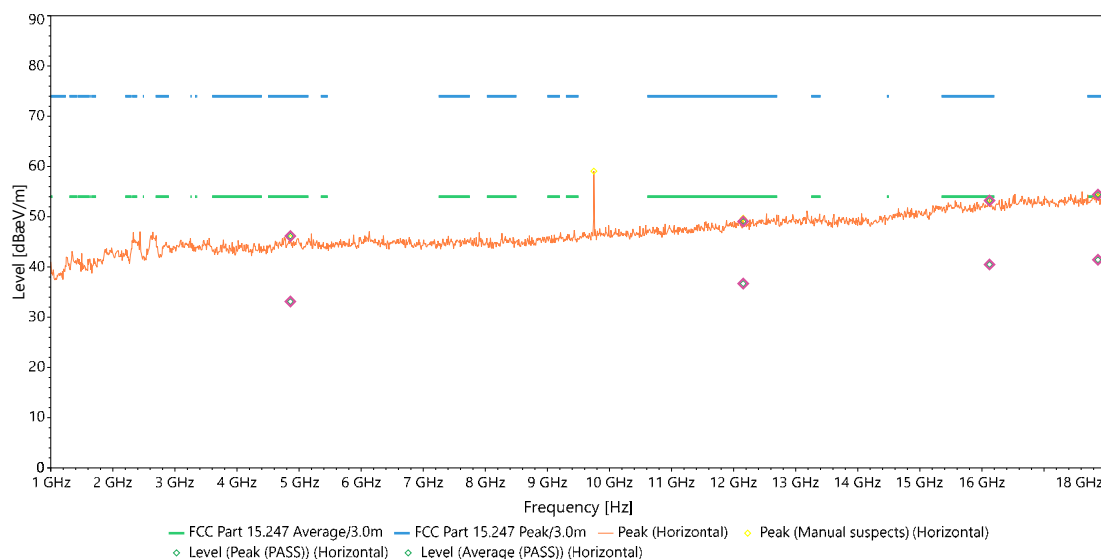
EUT Test Condition		Measurement Detail	
Input Power	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11B 2437 MHz		



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 (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4989.90	Vertical	44.86	74.00	-29.14	1.05	19.00	1.98	Pass
2	4989.90	Vertical	32.49	54.00	-21.51	1.05	19.00	1.98	Pass
3	12380.00	Vertical	49.57	74.00	-24.43	1.44	16.00	4.19	Pass
4	12380.00	Vertical	36.74	54.00	-17.26	1.44	16.00	4.19	Pass
5	17805.00	Vertical	54.08	74.00	-19.92	2.04	245.00	3.27	Pass
6	17805.00	Vertical	41.60	54.00	-12.40	2.04	245.00	3.27	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11B 2437 MHz		

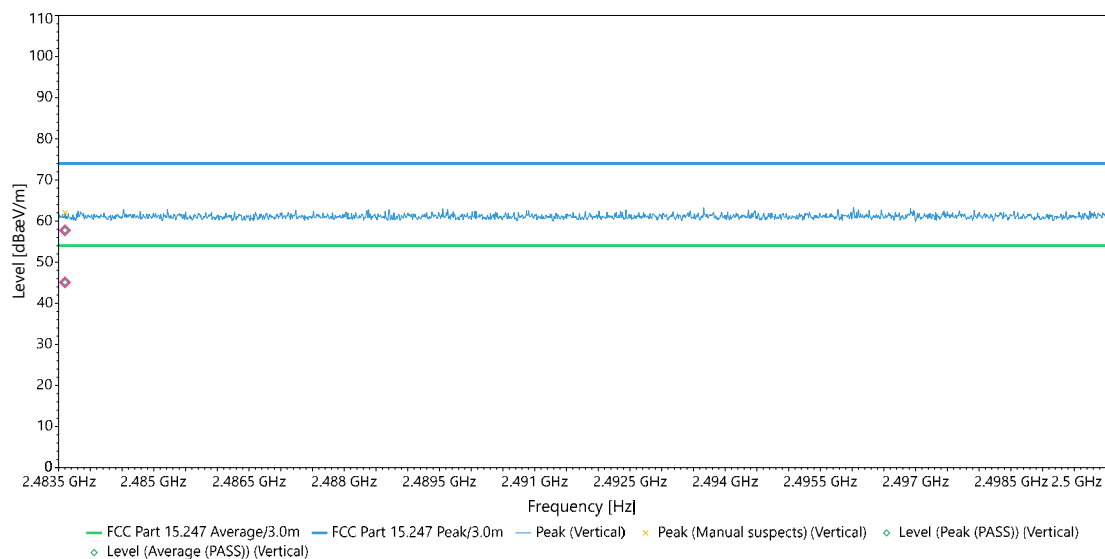
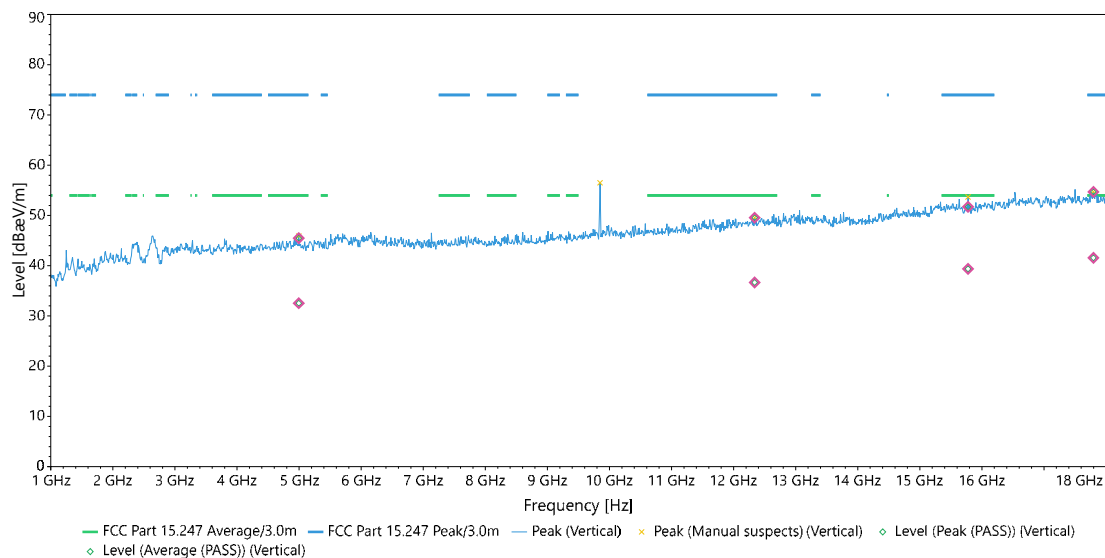


Antenna Polarity & Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4859.00	Horizontal	46.15	74.00	-27.85	1.49	251.00	2.24	Pass
2	4859.00	Horizontal	33.12	54.00	-20.88	1.49	251.00	2.24	Pass
3	12154.00	Horizontal	49.07	74.00	-24.93	2.50	259.00	4.32	Pass
4	12154.00	Horizontal	36.70	54.00	-17.30	2.50	259.00	4.32	Pass
5	16123.00	Horizontal	53.22	74.00	-20.78	2.29	316.00	5.33	Pass
6	16123.00	Horizontal	40.50	54.00	-13.50	2.29	316.00	5.33	Pass
7	17869.00	Horizontal	54.41	74.00	-19.59	1.26	264.00	3.16	Pass
8	17869.00	Horizontal	41.43	54.00	-12.57	1.26	264.00	3.16	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.

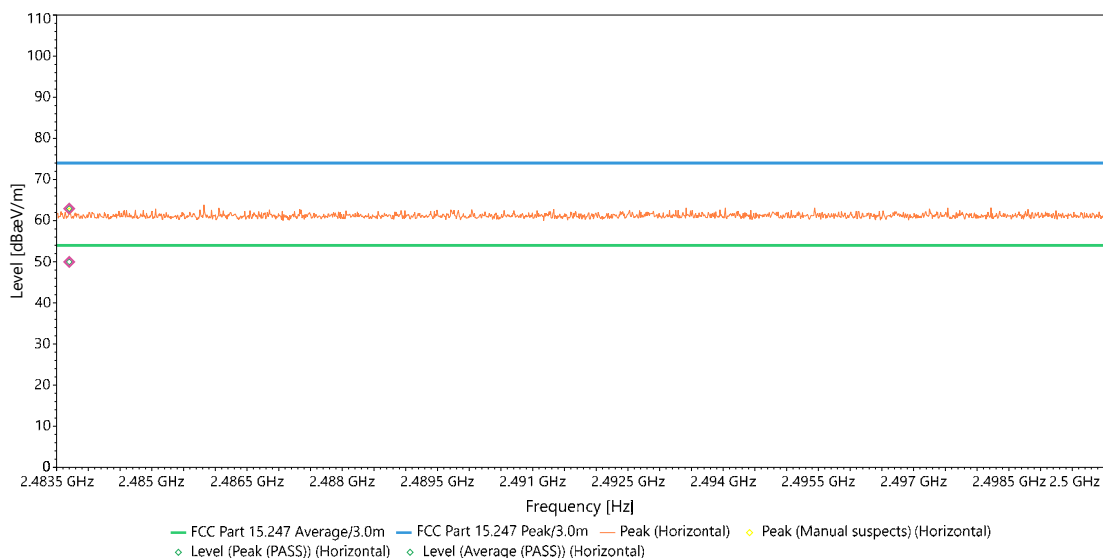
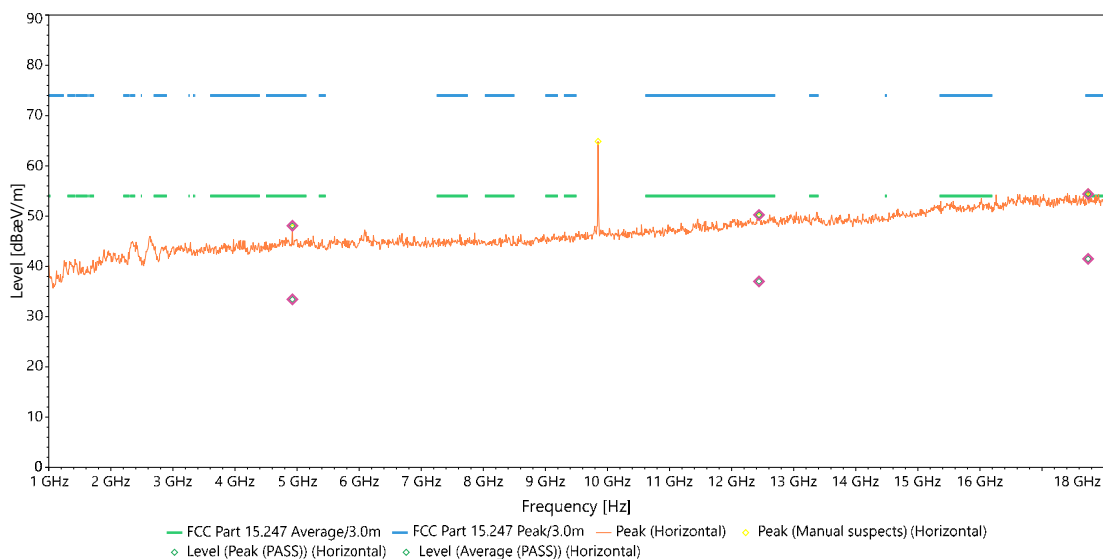
EUT Test Condition		Measurement Detail	
Input Power	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11B 2462 MHz		



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 (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4995.00	Vertical	45.50	74.00	-28.50	1.48	356.00	1.98	Pass
2	4995.00	Vertical	32.54	54.00	-21.46	1.48	356.00	1.98	Pass
3	12339.00	Vertical	49.55	74.00	-24.45	2.08	134.00	4.20	Pass
4	12339.00	Vertical	36.66	54.00	-17.34	2.08	134.00	4.20	Pass
5	15776.00	Vertical	51.72	74.00	-22.28	2.67	354.00	4.72	Pass
6	15776.00	Vertical	39.37	54.00	-14.63	2.67	354.00	4.72	Pass
7	17796.00	Vertical	54.70	74.00	-19.30	1.41	255.00	3.28	Pass
8	17796.00	Vertical	41.57	54.00	-12.43	1.41	255.00	3.28	Pass
9	2483.60	Vertical	57.74	74.00	-16.26	2.60	313.00	37.84	Pass
10	2483.60	Vertical	45.08	54.00	-8.92	2.60	313.00	37.84	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11B 2462 MHz		

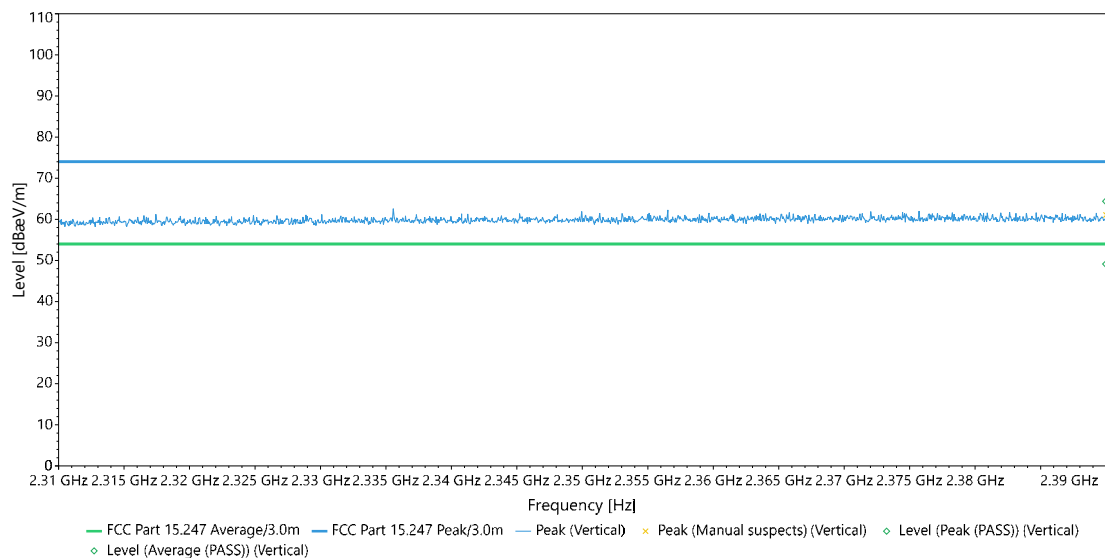
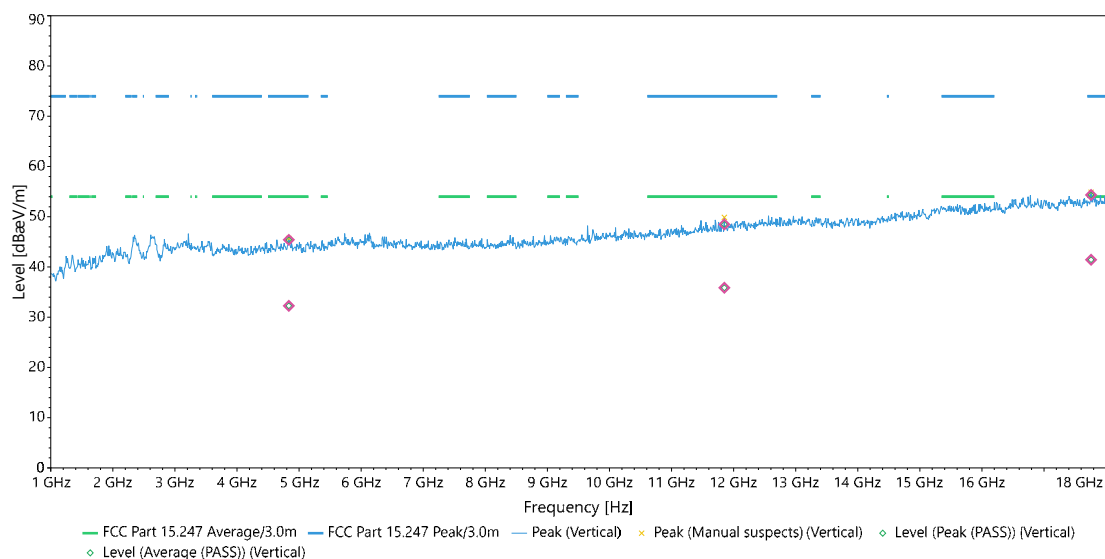


Antenna Polarity & Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4923.60	Horizontal	48.07	74.00	-25.93	2.73	38.00	2.45	Pass
2	4923.60	Horizontal	33.42	54.00	-20.58	2.73	38.00	2.45	Pass
3	12441.00	Horizontal	50.23	74.00	-23.77	1.06	57.00	4.30	Pass
4	12441.00	Horizontal	37.01	54.00	-16.99	1.06	57.00	4.30	Pass
5	17743.00	Horizontal	54.37	74.00	-19.63	2.92	215.00	3.35	Pass
6	17743.00	Horizontal	41.48	54.00	-12.52	2.92	215.00	3.35	Pass
7	2483.70	Horizontal	62.92	74.00	-11.08	1.67	86.00	37.96	Pass
8	2483.70	Horizontal	49.98	54.00	-4.02	1.67	86.00	37.96	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11 G 2412 MHz		

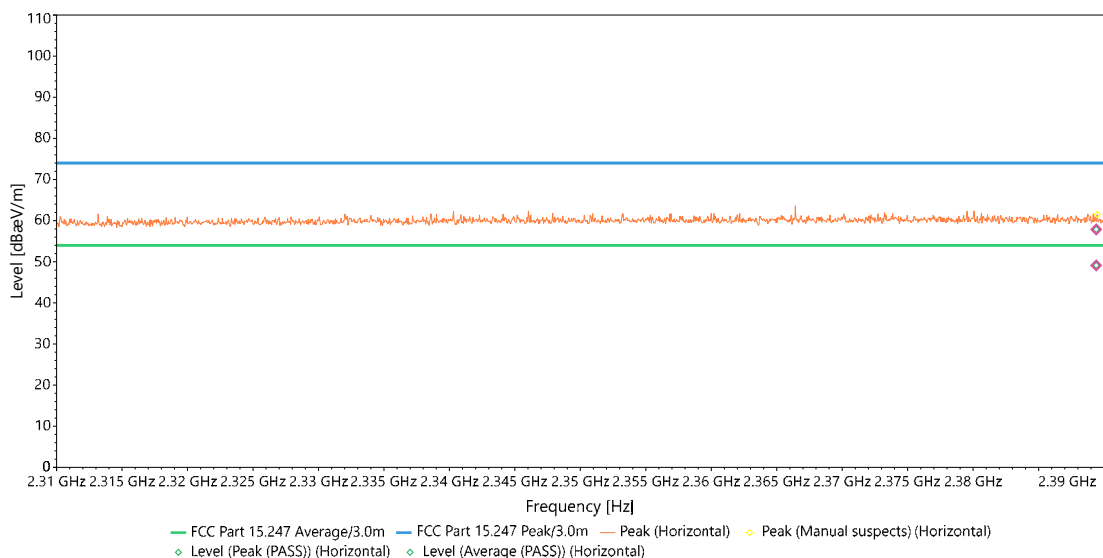
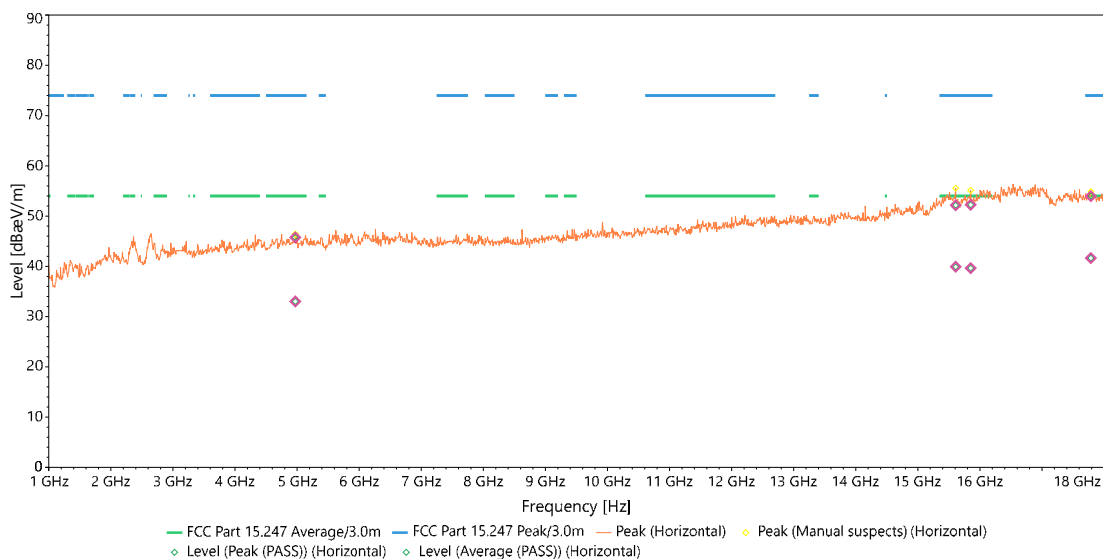


Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level Peak [dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4801.20	Vertical	44.74	74.00	-29.26	2.27	306.00	1.72	Pass
2	4801.20	Vertical	31.77	54.00	-22.23	2.27	306.00	1.72	Pass
3	15895.00	Vertical	52.19	74.00	-21.81	2.50	0.00	4.86	Pass
4	15895.00	Vertical	39.32	54.00	-14.68	2.50	0.00	4.86	Pass
5	17895.00	Vertical	54.44	74.00	-19.56	1.00	1.00	3.11	Pass
6	17895.00	Vertical	41.47	54.00	-12.53	1.00	1.00	3.11	Pass
7	2390.00	Vertical	64.39	74.00	-9.61	1.23	27.00	37.46	Pass
8	2390.00	Vertical	49.12	54.00	-4.88	1.23	27.00	37.46	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11G 2412 MHz		



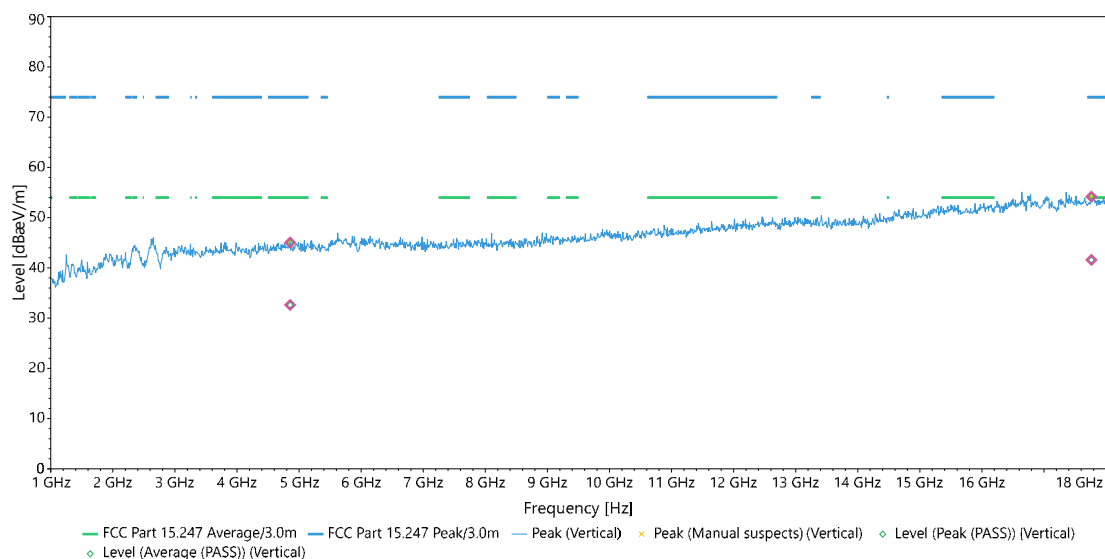
Antenna Polarity & Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Polarization	Level Peak [dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4971.20	Horizontal	45.76	74.00	-28.24	2.09	309.00	2.55	Pass
2	4971.20	Horizontal	33.02	54.00	-20.98	2.09	309.00	2.55	Pass
3	15610.00	Horizontal	52.15	74.00	-21.85	2.75	310.00	4.91	Pass
4	15610.00	Horizontal	39.92	54.00	-14.08	2.75	310.00	4.91	Pass
5	15851.00	Horizontal	52.25	74.00	-21.75	1.82	81.00	4.94	Pass
6	15851.00	Horizontal	39.64	54.00	-14.36	1.82	81.00	4.94	Pass
7	17787.00	Horizontal	53.98	74.00	-20.02	2.12	314.00	3.29	Pass
8	17787.00	Horizontal	41.65	54.00	-12.35	2.12	314.00	3.29	Pass
9	2389.40	Horizontal	57.86	74.00	-16.14	2.00	108.00	37.50	Pass
10	2389.40	Horizontal	49.12	54.00	-4.88	2.00	108.00	37.50	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11B 2437 MHz		

Vertical

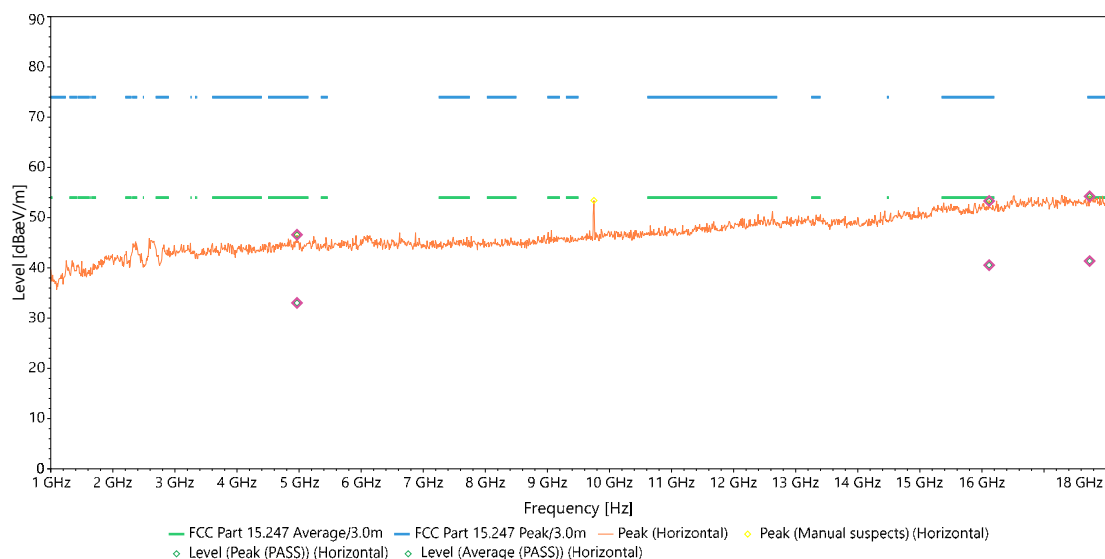


Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4855.60	Vertical	45.03	74.00	-28.97	1.28	173.00	1.87	Pass
2	4855.60	Vertical	32.63	54.00	-21.37	1.28	173.00	1.87	Pass
3	17764.00	Vertical	54.19	74.00	-19.81	1.12	289.00	3.29	Pass
4	17764.00	Vertical	41.59	54.00	-12.41	1.12	289.00	3.29	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11G 2437 MHz		

Horizontal



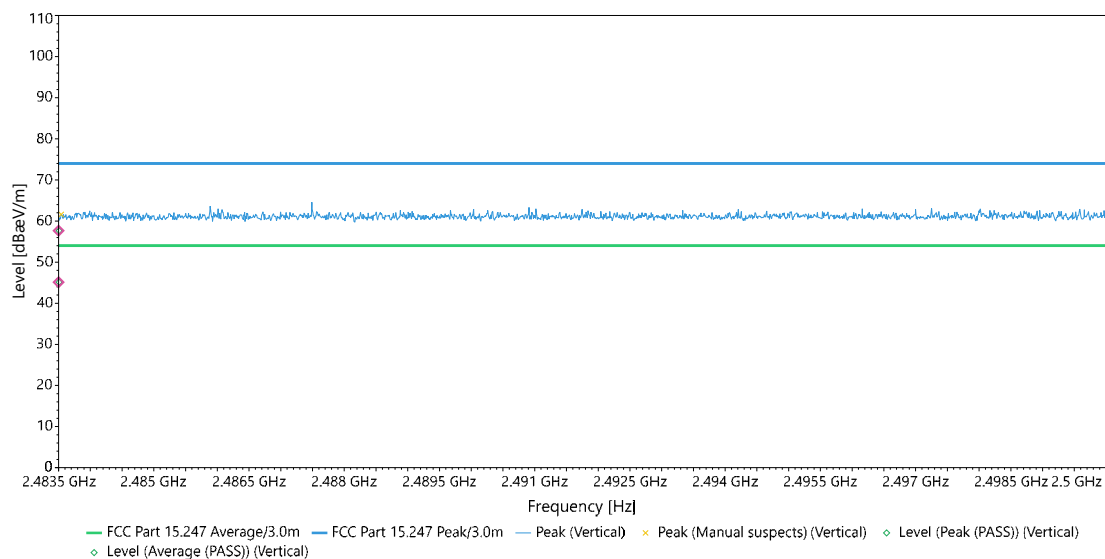
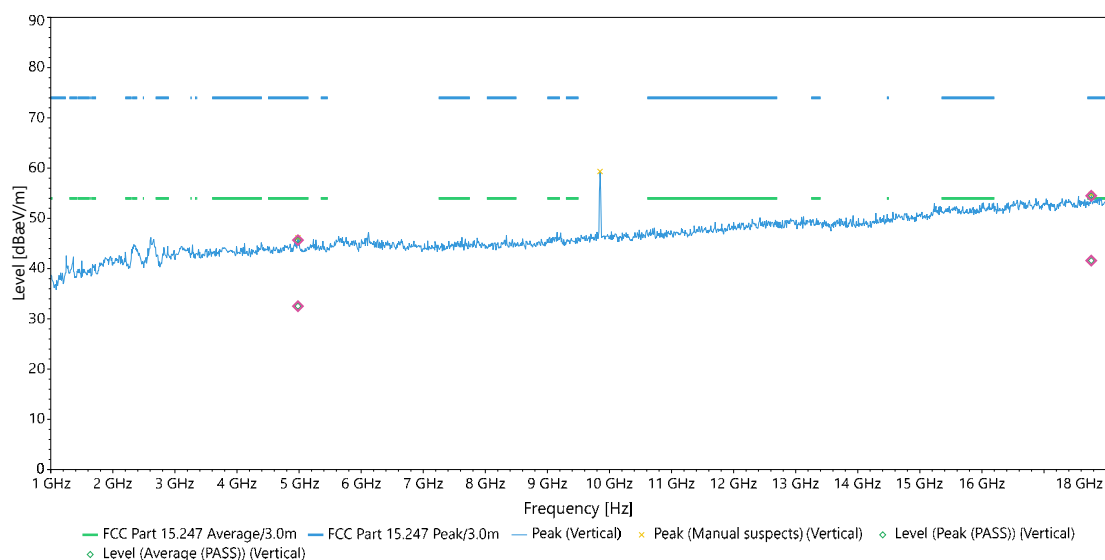
Antenna Polarity & Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4966.10	Horizontal	46.60	74.00	-27.40	1.80	305.00	2.56	Pass
2	4966.10	Horizontal	33.03	54.00	-20.97	1.80	305.00	2.56	Pass
3	16116.00	Horizontal	53.32	74.00	-20.68	2.97	189.00	5.33	Pass
4	16116.00	Horizontal	40.55	54.00	-13.45	2.97	189.00	5.33	Pass
5	17735.00	Horizontal	54.25	74.00	-19.75	1.52	150.00	3.37	Pass
6	17735.00	Horizontal	41.36	54.00	-12.64	1.52	150.00	3.37	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11G 2462 MHz		

Vertical

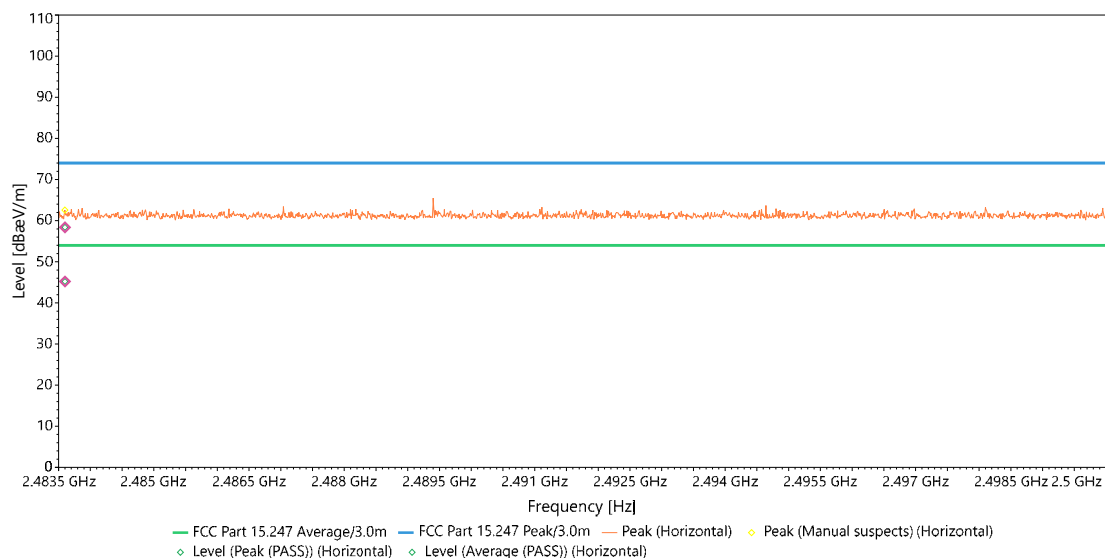
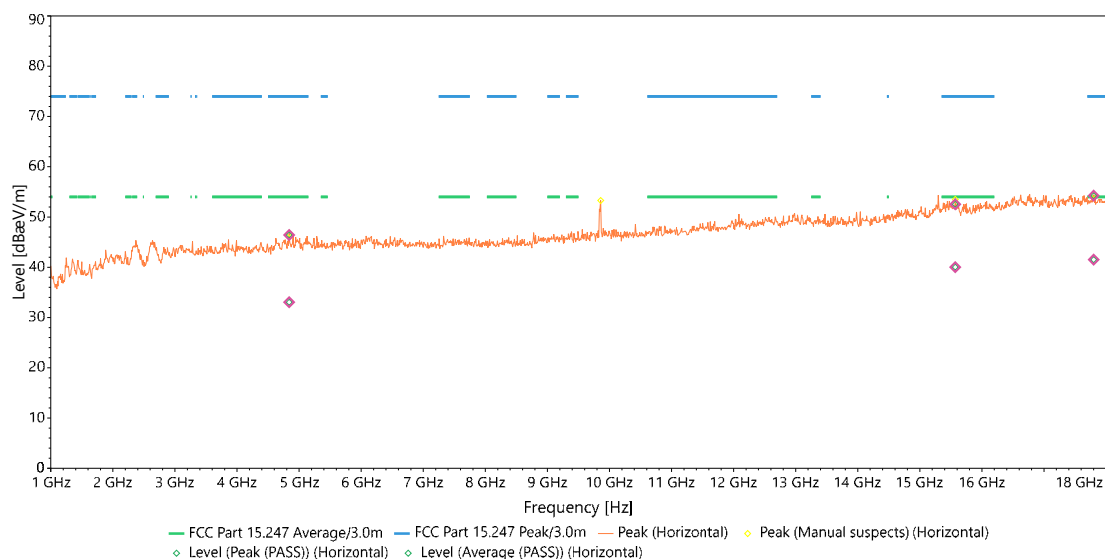


Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (cm)	Angle (Deg)	Factor [dB(1/m)]	Pass/Fail
1	4981.40	Vertical	45.66	74.00	-28.34	2.36	210.00	1.98	Pass
2	4981.40	Vertical	32.52	54.00	-21.48	2.36	210.00	1.98	Pass
3	17762.00	Vertical	54.49	74.00	-19.51	1.06	327.00	3.29	Pass
4	17762.00	Vertical	41.60	54.00	-12.40	1.06	327.00	3.29	Pass
5	2483.50	Vertical	57.66	74.00	-16.34	1.65	357.00	37.84	Pass
6	2483.50	Vertical	45.13	54.00	-8.87	1.65	357.00	37.84	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	6Vdc	Frequency Range	1GHz-26GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Rafael Aguilar
Test Mode	TX MODE 11G 2462 MHz		

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	4840.30	Horizontal	46.43	74.00	-27.57	1.01	173.00	2.23	Pass
2	4840.30	Horizontal	33.04	54.00	-20.96	1.01	173.00	2.23	Pass
3	15571.00	Horizontal	52.54	74.00	-21.46	1.22	125.00	4.95	Pass
4	15571.00	Horizontal	40.03	54.00	-13.97	1.22	125.00	4.95	Pass
5	17801.00	Horizontal	54.24	74.00	-19.76	1.76	185.00	3.27	Pass
6	17801.00	Horizontal	41.52	54.00	-12.48	1.76	185.00	3.27	Pass
7	2483.60	Horizontal	58.38	74.00	-15.62	1.81	128.00	37.96	Pass
8	2483.60	Horizontal	45.20	54.00	-8.80	1.81	128.00	37.96	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.