March 29, 2024

CalAmp Wireless Networks, Inc

2200 Faraday Ave, #200
Carlsbad, CA 92008

Dear Imad Rizk,

Enclosed is the RF Wireless test report for compliance testing of the CalAmp Wireless Networks, Inc., LTE CAT1 Telematics Gateway as tested to the requirements of the

Title 47 of the CFR, Part 15 Subpart C
FCC Part §2.1053, §22.917(a), §24.238(a), §27.53(a)(4), §27.53(c)(2), §27.53(f) ,§27.53(g), § 90.691
RSS-GEN Issue 5, April 2018 + Amendment 1 (March 2019) + Amendment 2 (February 2021)
RSS-130 Issue 2, February 2019
RSS-132 Issue 4, January 2013
RSS-133 Issue 6, January 2018
RSS-139 Issue 4, September 2022
RSS-199 Issue 4, July 2023

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 Chau

Documentation Department
Eurofins Electrical and Electronic Testing NA, Inc.

Reference: WIR130984_130989-FCC-ISED-CO-LOCATION_Rev 1.0

ACCREDITED
TESTINGCERT #0591.02

FCC Test Site(s) Reg #:US1123
IC Test Site(s) Reg. #: 2043C

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FCC/ ISED Test Report

Applicant name: CalAmp Wireless Networks, Inc

Product: CalAmp Wireless Networks, Inc

Report: WIR130984_130989-FCC-ISED-CO-LOCATION

Applicant Address:

2200 Faraday Ave, #200
Carlsbad, CA 92008

Manufacturer Address:

2200 Faraday Ave, #200
Carlsbad, CA 92008

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

FCC/ ISED Test Report

Applicant name : CalAmp Wireless Networks, Inc

Product: LTE CAT1 Telematics Gateway

Standard
47 CFR FCC Part 15, Subpart C (Section 15.247)
47 CFR Part 2, 22, 24, 27, 90
RSS-GEN Issue 5, April 2018 + Amendment 1 (March 2019) + Amendment 2 (February 2021)
RSS-130 Issue 2, February 2019
RSS-132 Issue 4, January 2023
RSS-133 Issue 6, January 2018
RSS-139 Issue 4, September 2022
RSS-140 Issue 1, April 2018
RSS-199 Issue 4, July 2023

Richard Dollente
Richard Dollente
Test Engineer, 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.

Gary Chou
Gary Chou
Wireless Engineering Manager, Wireless Laboratory

Report Status Sheet

Revision	Report Date	Reason for Revision
∅	March 29, 2024	Initial Issue.
1.0	April 24, 2024	Test result updated

Table of Contents

I. Executive Summary

A. Executive Summary

47 CFR FCC Part 15, Subpart C (Section 15.247) 47 CFR Part 2, 22, 24, 27, 90 RSS-GEN Issue 5, April 2018 + Amendment 1 (March 2019) + Amendment 2 (February 2021) RSS-130 Issue 2, February 2019 RSS-132 Issue 4, January 2023 RSS-133 Issue 6, January 2018 RSS-139 Issue 4, September 2022 RSS-140 Issue 1, April 2018 RSS-199 Issue 4, July 2023			
Item	Test Item	Result	Remarks
1	Spurious Emission/ Unwanted Emissions Strength	PASS	Meet the requirement of limit.

Note:

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

II. Equipment Information

A. Overview

EUT Summary Table

Product:	LTE CAT1 Telematics Gateway		
Brand:	CalAmp		
Model(s) Tested:	LMU4350LB/ LMU4351LB		
EUT Specifications:	Input Power: Voltage: 12 Vdc/ 24 Vdc		
	Type of Modulations:	Cellular: GSM / LTE CAT-1	QPSK, 16QAM, 8PSK, GMSK
		BLUETOOTH LE:	GFSK
EUT Specifications:	Operating Frequency :	BLUETOOTH LE : 2402 MHz ~ 2480 MHz GSM Band 850: 824.2 MHz ~ 824.8 MHz GSM Band 1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band 2: 1850 MHz~ 1910 MHz WCDMA Band 4: 1710 MHz~ 1755 MHz WCDMA Band 5: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26 : 814 MHz ~ 849 MHz	
	FCC ID :	APV-4350LB	
	ISED ID	5843C-4350LB	
Antenna Type/ Manufacturer/ Model:	Cellular:	Cellular External: Combination Antenna/ TAOGLAS/ Optimus MA220 Cellular Internal: Universal Broadband FR4 Embedded Antenna/ KYOCERA AVX/ 1004795 Bluetooth: Dielectric Chip Antenna/ CIROCOMM TECHNOLOGY, DCAK0012	
	Bluetooth:	Dielectric Chip Antenna/ CIROCOMM TECHNOLOGY/ DCAK0012	

Antenna Gain:	Cellular	Cellular External: 617 MHz- 960 MHz : 1.4 dBi 1427 MHz- 1518 MHz : -4.5 dBi 1710 MHz- 2200 MHz : 2.0 dBi 2490 MHz- 2690 MHz : -3 dBi Cellular Internal: 698 MHz- 960 MHz : 1.6 dBi 1710 MHz- 2400 MHz : 3.1 dBi 2500 MHz- 2700 MHz : 1.7 dBi
	Bluetooth:	2 dBi
Antenna Port:		External Cellular: SMA Internal Cellular: N/A
Analysis:	The results obtained relate only to the item(s) tested.	
Environmental Test Conditions:	Temperature: 15-35° C	
Environmental Test Conditions:	Relative Humidity: 30-60%	
Evaluated by:	Barometric Pressure: 860-1060 mbar	
	Richard Dollente	
Date(s):	March 18, 2024	

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

	Model No.	FCC ID	ISED ID	Note
Cellular	LE910C1-WWXD	RI7LE910CXWWX	5131A-LE910CXWWX	-

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
A	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
-	-	-	-	-	-	-

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:

- **47 CFR FCC Part 15, Subpart C (Section 15.247)**
- **47 CFR FCC Part 22, Part 24, Part 27, Part90**
- **ANSI C63.10:2013**
- **RSS-GEN Issue 5, April 2018 + Amendment 1 (March 2019) + Amendment 2 (February 2021)**
- **RSS-130 Issue 2, February 2019**
- **RSS-132 Issue 4, January 2023**
- **RSS-133 Issue 6, January 2018**
- **RSS-139 Issue 4, September 2022**
- **RSS-140 Issue 1, April 2018**
- **RSS-199 Issue 4, July 2023**
- **ANSI/TIA/EIA-603-E 2016**
- **ANSI 63.26 2015**

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 CalAmp Wireless Networks upon completion of testing.

III. Electromagnetic Compatibility Criteria for Intentional Radiators

Radiated Emission and Bandage Measurement

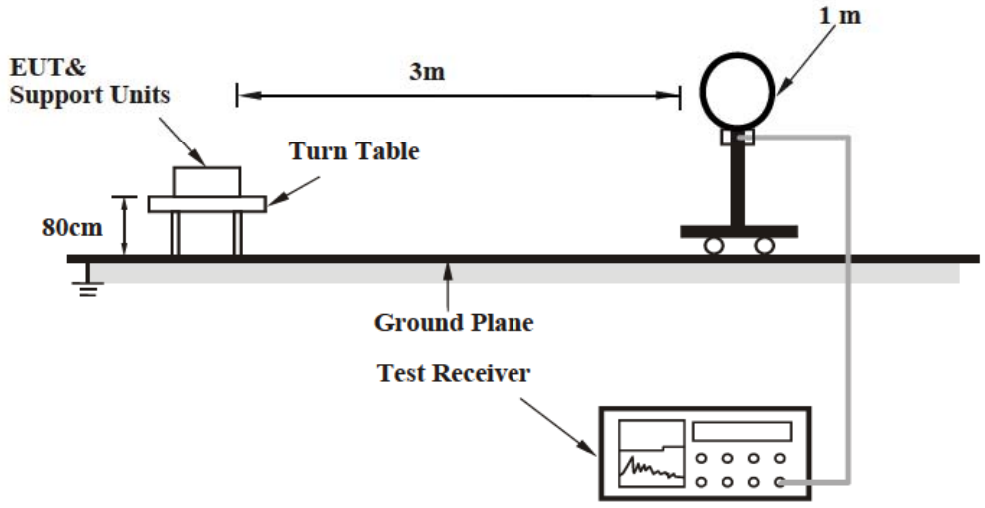
Limits of Radiated Emission and Bandage Measurement:
Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

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

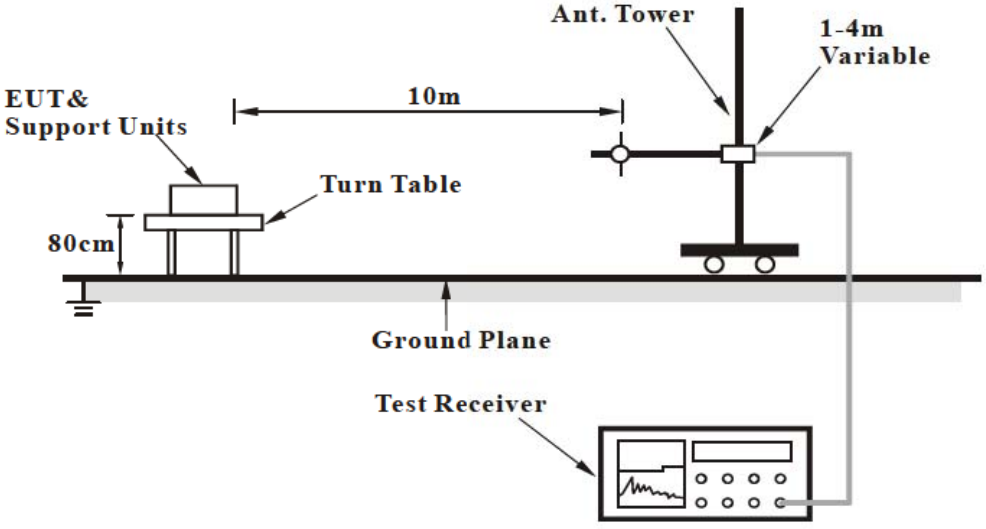
Test Procedures: The transmitter was turned on. Measurements were performed of the low, mid and high Channels. The EUT was rotated orthogonally through all three axes. Plots shown are corrected for both antenna correction factor and distance and compared to a 3 m limit line. Only noise floor was measured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

Test Setup

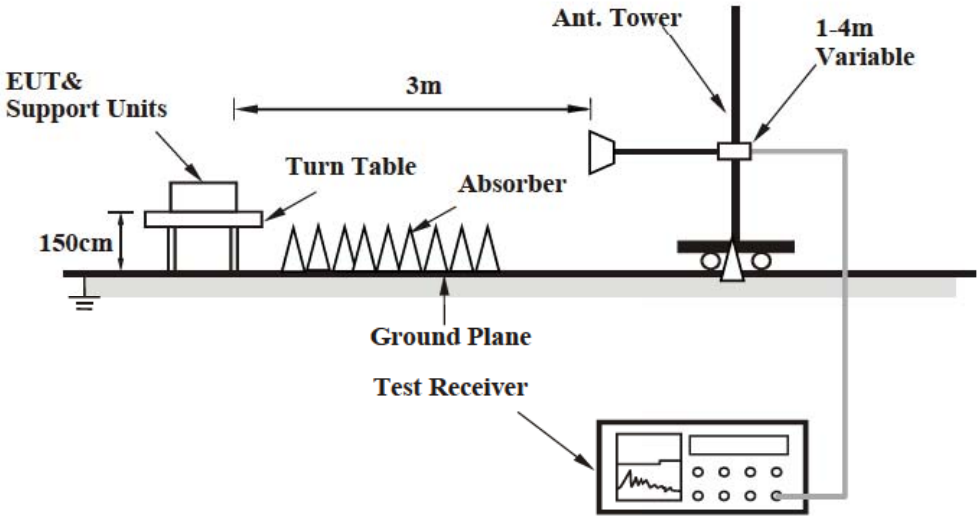
For Radiated Emission Below 30MHz



For Radiated emission 30 MHz to 1GHz



For Radiated emission 30 MHz to 1GHz



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	Keysight	N9030B	11/06/2023	11/06/2024
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	04/06/2023	04/06/2025
1S4802	Preamplifier	EMC Instrument	EMC118A45SE	Note 1	Note 1
1S2668	Preamplifier	Sonoma Instrument	310N	Note 1	Note 1
1S2600	Antenna	Sunol Sciences Corp	JB3	04/ 11/ 2023	04/ 11/ 2025
Note 1: Verified by calibrated instrumentation at the time of testing					

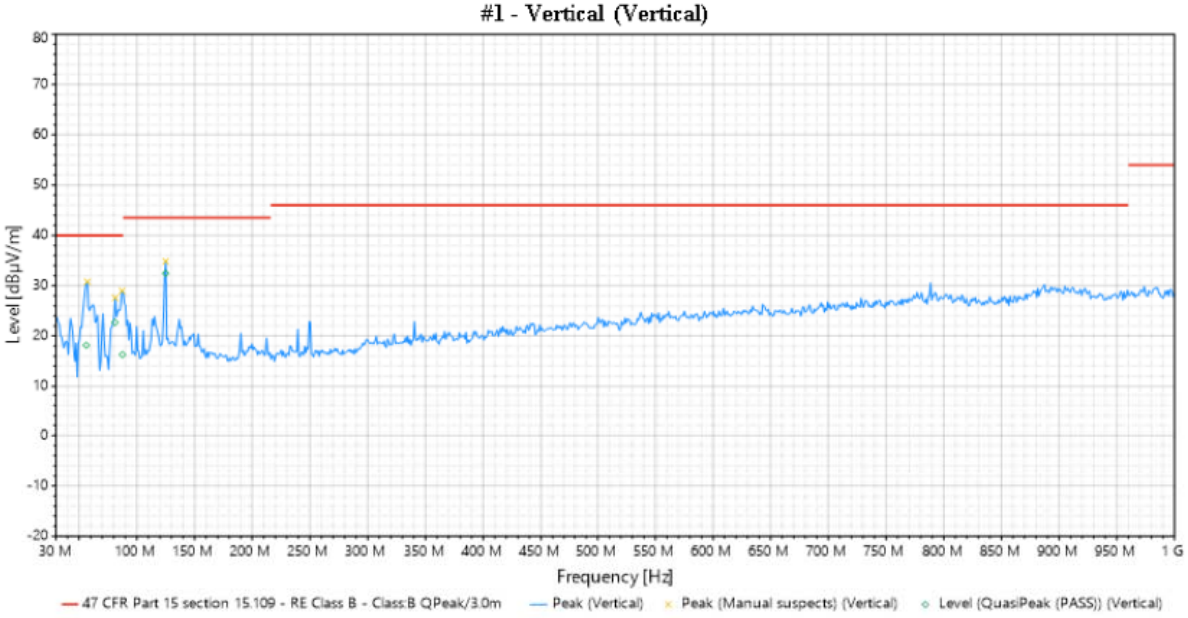
Test Engineer: Richard Dollente

Test Date(s): 03/18 /2024

Test Note: The worst-case mode is based on the power table from report number"WIR130984_130989_FCC_ISED_ CalAmp_LTE_WCDMA_GSM_Rev 1.1", GSM mode is not support co-location.

Test Data
Radiated Emissions (30 MHz~1000 MHz)

EUT Test Condition		Measurement Detail	
Input Power	24 Vdc	Frequency Range	30MHz-1GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Richard Dollente
Test Mode	LTE Band 2, 10MHz+ Bluetooth LE 2402 MHz data, Rate1Mbps Transmit simultaneously		



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)]	Pass/ Fail
1	56.28	Vertical	18.139	40	-21.861	1.498	75	-14.049	Pass
2	81.1	Vertical	22.702	40	-17.298	1.557	284	-15.087	Pass
3	87.58	Vertical	16.288	40	-23.712	1.553	266	-13.567	Pass
4	124.99	Vertical	32.463	43.5	-11.037	1.081	98	-7.514	Pass
5	33.78	Horizontal	17.197	40	-22.803	1.529	17	-3.773	Pass
6	85.83	Horizontal	8.67	40	-31.33	2.964	161	-14.527	Pass
7	522.89	Horizontal	31.216	46	-14.784	1.145	331	-1.655	Pass
8	895.81	Horizontal	24.563	46	-21.437	1.036	139	4.843	Pass

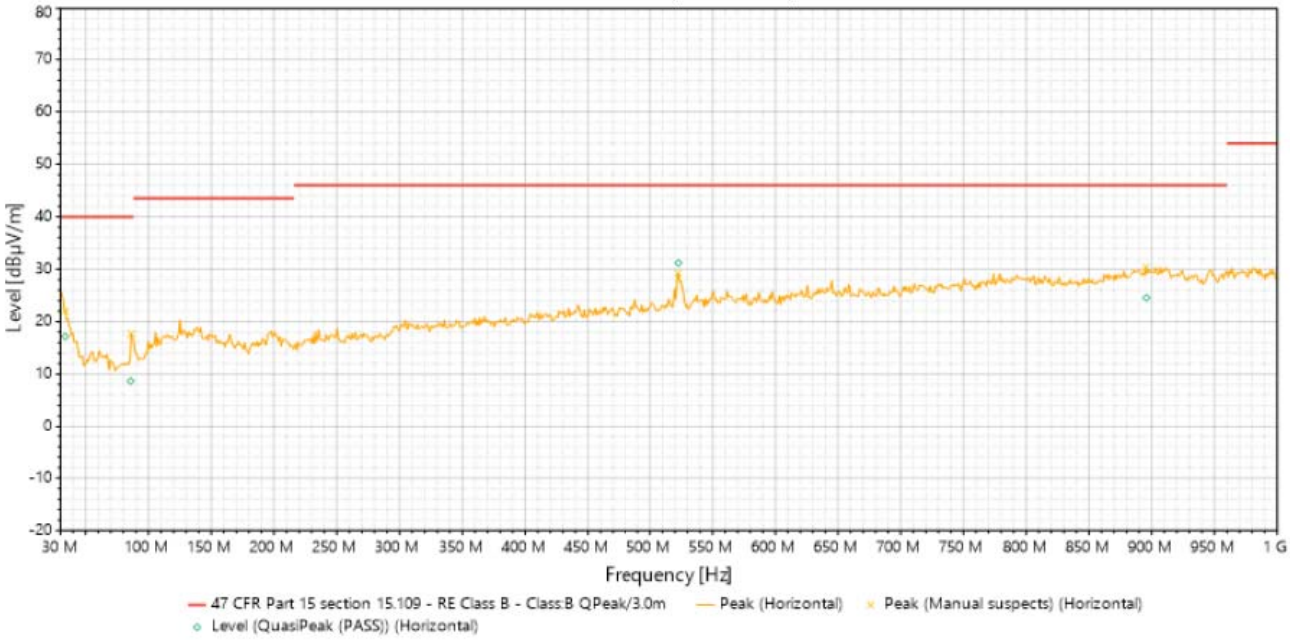
REMARKS:

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	24 Vdc	Frequency Range	30MHz-1GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Richard Dollente
Test Mode	LTE Band 2, 10 MHz + Bluetooth LE 2402 MHz data, Rate1Mbps Transmit simultaneously		

#2 - Horizontal (Horizontal)



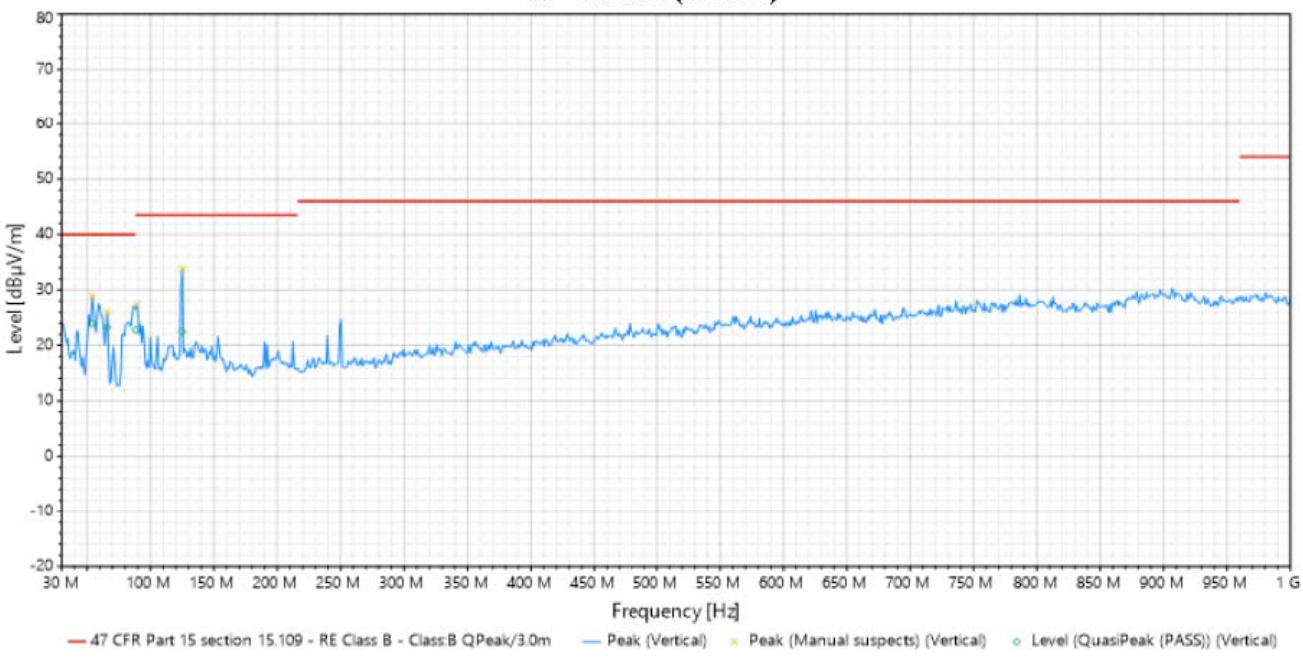
Antenna Polarity & Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (m)	Angle (Deg)	Factor [dB(1/m)]	Pass/ Fail
1	33.78	Horizontal	17.197	40	-22.803	1.529	17	-3.773	Pass
2	85.83	Horizontal	8.67	40	-31.33	2.964	161	-14.527	Pass
3	522.89	Horizontal	31.216	46	-14.784	1.145	331	-1.655	Pass
4	895.81	Horizontal	24.563	46	-21.437	1.036	139	4.843	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	24 Vdc	Frequency Range	30MHz-1GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Richard Dollente
Test Mode	WCDMA B2+ Bluetooth LE 2402 MHz data, Rate1Mbps Transmit simultaneously		

#1 - Vertical (Vertical)



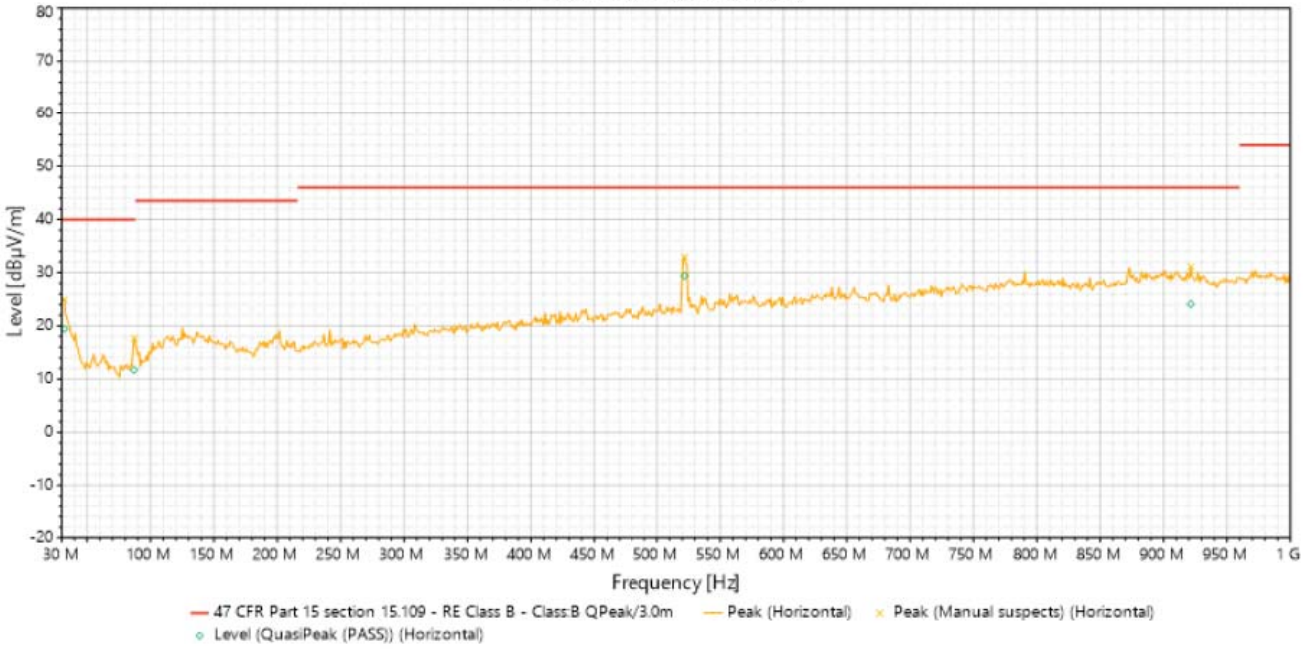
Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (m)	Angle (Deg)	Factor [dB(1/m)]	Pass/ Fail
1	53.94	Vertical	23.97	40	-16.03	1.008	87	-14.564	Pass
2	65.95	Vertical	23.266	40	-16.734	1.015	63	-13.429	Pass
3	88.32	Vertical	22.799	43.5	-20.701	1.274	257	-13.413	Pass
4	125.03	Vertical	22.478	43.5	-21.022	1	295	-7.512	Pass
5	32.09	Horizontal	19.439	40	-20.561	2.536	124	-2.368	Pass
6	86.97	Horizontal	11.708	40	-28.292	2.204	303	-14.396	Pass
7	521.88	Horizontal	29.398	46	-16.602	1.144	369	-1.709	Pass
8	921.48	Horizontal	24.121	46	-21.879	1.378	181	4.32	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	24 Vdc	Frequency Range	30MHz-1GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Richard Dollente
Test Mode	WCDMA B2+ Bluetooth LE 2402 MHz data, Rate1Mbps Transmit simultaneously		

#2 - Horizontal (Horizontal)



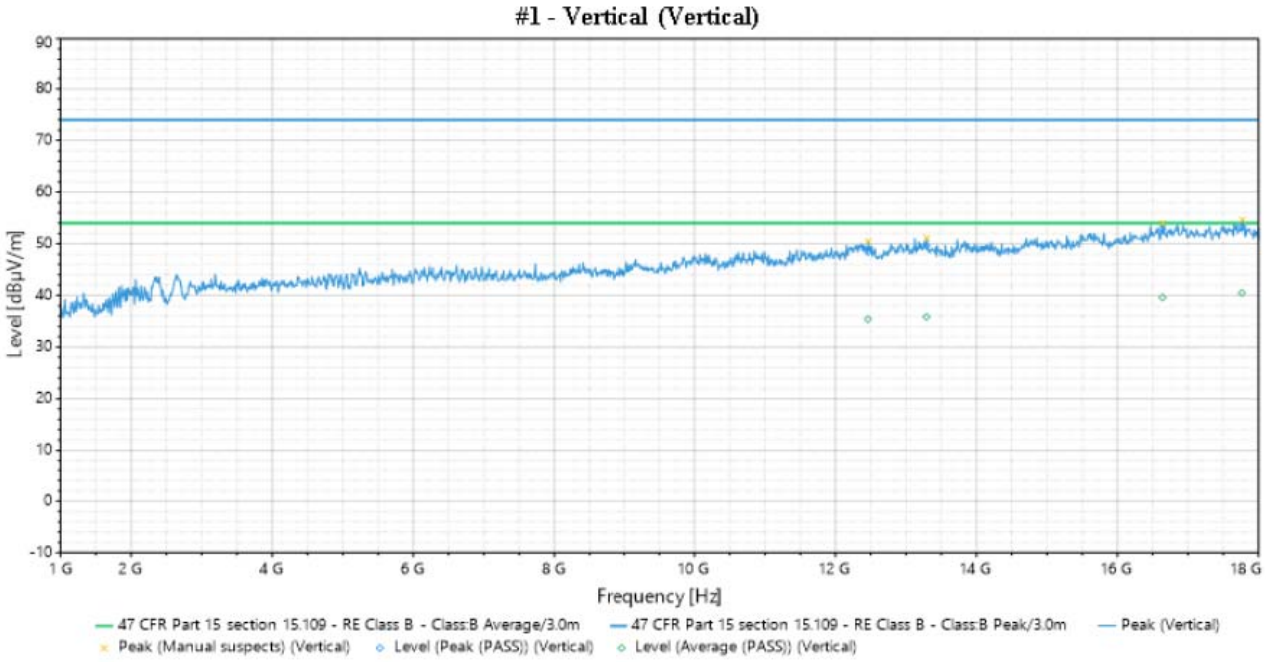
Antenna Polarity & Test Distance: Horizontal at 3m									
No.	Frequency (MHz)	Polarization	Level Peak[dB(uV/m)]	Limit Peak dB(uV/m)	Margin Peak [dB]	Height (m)	Angle (Deg)	Factor [dB(1/m)]	Pass/ Fail
1	32.09	Horizontal	19.439	40	-20.561	2.536	124	-2.368	Pass
2	86.97	Horizontal	11.708	40	-28.292	2.204	303	-14.396	Pass
3	521.88	Horizontal	29.398	46	-16.602	1.144	369	-1.709	Pass
4	921.48	Horizontal	24.121	46	-21.879	1.378	181	4.32	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

Radiated Emissions (Above 1GHz)

EUT Test Condition		Measurement Detail	
Input Power	24 Vdc	Frequency Range	1GHz-18GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Richard Dollente
Test Mode	LTE Band 2, 10 MHz + Bluetooth LE 2402 MHz data, Rate1Mbps Transmit simultaneously		



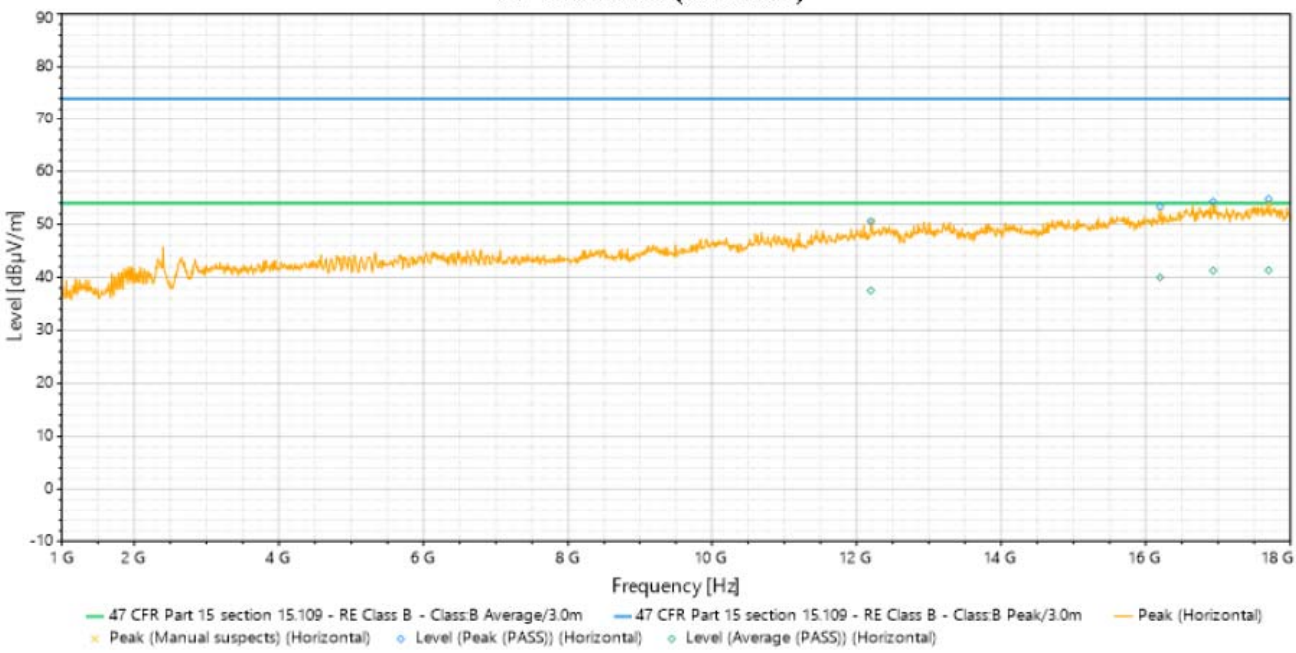
Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level [dB(uV/m)]	Limit dB(uV/m)	Margin [dB]	Height (m)	Angle (Deg)	Factor [dB(1/m)]	Measure type/ Result
1	12460.2	Vertical	48.439	74	-25.561	2.6	84	8.934	Peak (PASS)
2	12460.2	Vertical	35.39	54	-18.61	2.6	84	8.934	Average (PASS)
3	13291.1	Vertical	49.675	74	-24.325	2.6	118	8.773	Peak (PASS)
4	13291.1	Vertical	35.858	54	-18.142	2.6	118	8.773	Average (PASS)
5	16638.2	Vertical	52.889	74	-21.111	2.6	311	10.712	Peak (PASS)
6	16638.2	Vertical	39.624	54	-14.376	2.6	311	10.712	Average (PASS)
7	17765.8	Vertical	53.362	74	-20.638	2.6	111	8.846	Peak (PASS)
8	17765.8	Vertical	40.491	54	-13.509	2.6	111	8.846	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	24 Vdc	Frequency Range	1GHz-18GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Richard Dollente
Test Mode	LTE Band 2, 10 MHz + Bluetooth LE 2402 MHz data, Rate1Mbps Transmit simultaneously		

#2 - Horizontal (Horizontal)

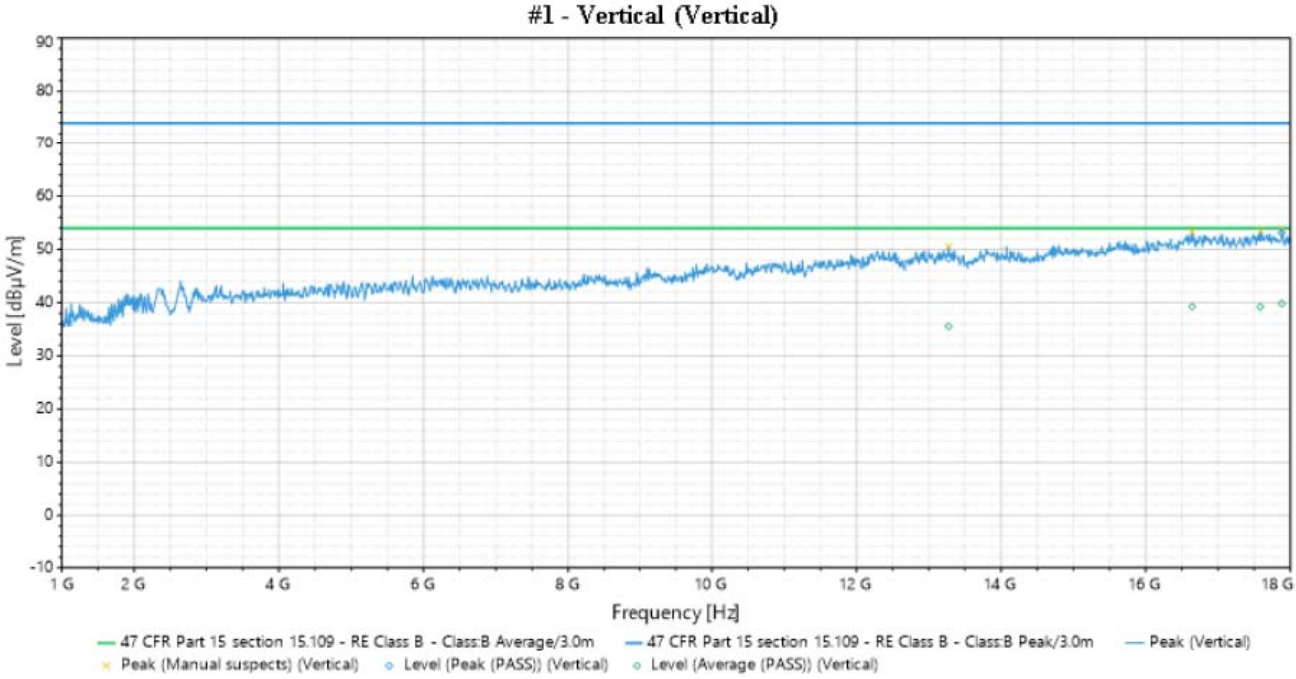


Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level [dB(uV/m)]	Limit dB(uV/m)	Margin [dB]	Height (m)	Angle (Deg)	Factor [dB(1/m)]	Measure type/ Result
1	12197.3	Horizontal	50.576	74	-23.424	3	179	8.94	Peak (PASS)
2	12197.3	Horizontal	37.524	54	-16.476	3	179	8.94	Average (PASS)
3	16198.8	Horizontal	53.356	74	-20.644	3	0	10.323	Peak (PASS)
4	16198.8	Horizontal	40.004	54	-13.996	3	0	10.323	Average (PASS)
5	16932.8	Horizontal	54.316	74	-19.684	3	162	10.27	Peak (PASS)
6	16932.8	Horizontal	41.284	54	-12.716	3	162	10.27	Average (PASS)
7	17700	Horizontal	54.833	74	-19.167	3	266	8.796	Peak (PASS)
8	17700	Horizontal	41.347	54	-12.653	3	266	8.796	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	24 Vdc	Frequency Range	1GHz-18GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Richard Dollente
Test Mode	WCDMA B2+ Bluetooth LE 2402 MHz data, Rate1Mbps Transmit simultaneously		



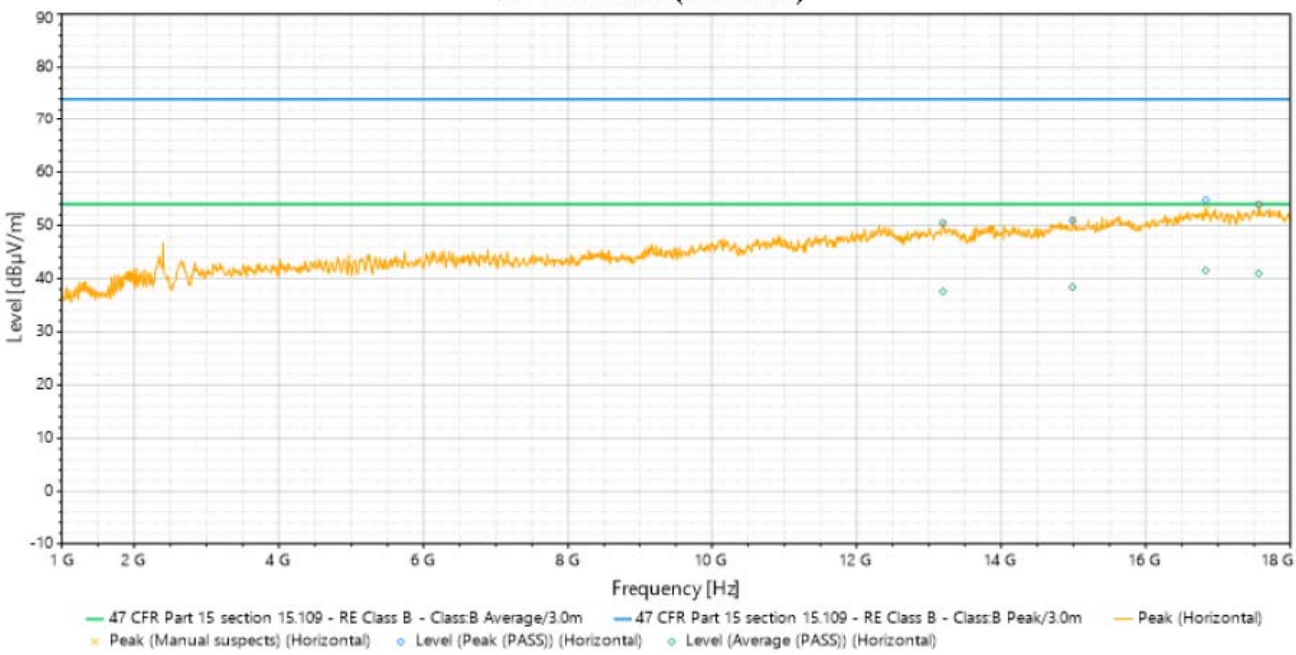
Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level [dB(uV/m)]	Limit dB(uV/m)	Margin [dB]	Height (m)	Angle (Deg)	Factor [dB(1/m)]	Measure type/ Result
1	13273.7	Vertical	48.271	74	-25.729	2.6	210	8.761	Peak (PASS)
2	13273.7	Vertical	35.558	54	-18.442	2.6	210	8.761	Average (PASS)
3	16641.7	Vertical	51.971	74	-22.029	2.6	258	10.715	Peak (PASS)
4	16641.7	Vertical	39.242	54	-14.758	2.6	258	10.715	Average (PASS)
5	17585.8	Vertical	52.195	74	-21.805	2.6	304	8.948	Peak (PASS)
6	17585.8	Vertical	39.229	54	-14.771	2.6	304	8.948	Average (PASS)
7	17881.4	Vertical	53.105	74	-20.895	2.6	206	8.868	Peak (PASS)
8	17881.4	Vertical	39.841	54	-14.159	2.6	206	8.868	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	24 Vdc	Frequency Range	1GHz-18GHz
Environmental Conditions	25 deg. C, 70% RH	Tested By	Richard Dollente
Test Mode	LTE Band 2, 10 MHz + Bluetooth LE 2402 MHz data, Rate1Mbps Transmit simultaneously		

#2 - Horizontal (Horizontal)



Antenna Polarity & Test Distance: Vertical at 3m									
No.	Frequency (MHz)	Polarization	Level [dB(uV/m)]	Limit dB(uV/m)	Margin [dB]	Height (m)	Angle (Deg)	Factor [dB(1/m)]	Measure type/ Result
1	13196.2	Horizontal	50.49	74	-23.51	3	142	8.721	Peak (PASS)
2	13196.2	Horizontal	37.578	54	-16.422	3	142	8.721	Average (PASS)
3	14988.5	Horizontal	50.93	74	-23.07	3	66	8.841	Peak (PASS)
4	14988.5	Horizontal	38.4	54	-15.6	3	66	8.841	Average (PASS)
5	16831.1	Horizontal	54.763	74	-19.237	3	0	10.533	Peak (PASS)
6	16831.1	Horizontal	41.528	54	-12.472	3	0	10.533	Average (PASS)
7	17563.6	Horizontal	53.939	74	-20.061	3	346	8.9	Peak (PASS)
8	17563.6	Horizontal	40.976	54	-13.024	3	346	8.9	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.

IV. Pictures of test Arrangements

Please see setup photo file

END OF REPORT