Co-Location Test Report

TEST REPORT

For

ChargePoint, Inc.

253 E. Hacienda Ave,
Campbell, CA 95008

FCC ID: W38-CP800
IC: 8854A-CP800

Report Type: Original Report	**Product Type:** EV Charger
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Report Number:	R2607064-colocation
Report Date:	2026-08-10
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CERTIFICATE #3297.02

Note: This test report was prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. This test report shall not be used by the customer to claim product certification, approval, or endorsement by A2LA or any agency of the United States Government or any foreign government.

* This test report may contain data and test methods that are not covered by BACL's scope of accreditation as of the test report date shown above. These items are marked within the test report text with an asterisk "*"

TABLE OF CONTENTS

1 GENERAL DESCRIPTION 4
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) 4
1.2 OBJECTIVE 4
1.3 RELATED SUBMITTAL(S)/GRANT(S) 4
1.4 TEST METHODOLOGY 4
1.5 MEASUREMENT UNCERTAINTY 5
1.6 TEST FACILITY REGISTRATIONS 5
1.7 TEST FACILITY ACCREDITATIONS 6
2 SYSTEM TEST CONFIGURATION 10
2.1 JUSTIFICATION 10
2.2 EUT EXERCISE SOFTWARE 10
2.3 LOCAL SUPPORT EQUIPMENT 10
2.4 REMOTE SUPPORT EQUIPMENT 10
2.5 POWER SUPPLY AND LINE FILTERS 11
2.6 INTERFACE PORTS AND CABLING 11
3 SUMMARY OF TEST RESULTS 12
4 FCC §2.1091, FCC §15.225, FCC §15.247(I) & ISEDC RSS-102 – RF EXPOSURE 13
4.1 APPLICABLE STANDARDS 13
4.2 MPE PREDICTION: 14
4.3 MPE RESULTS FOR FCC 14
4.4 MPE RESULTS FOR IC 15
5 FCC §15.35(B), §15.205, §15.209, §15.225, §15.247(D), §15.407(B) & ISEDC RSS-247 §6.6, §7.3, RSS-210, RSS-GEN §8.9, §8.10 – SPURIOUS RADIATED EMISSIONS 16
5.1 APPLICABLE STANDARDS 16
5.2 TEST SETUP 21
5.3 TEST PROCEDURE 21
5.4 CORRECTED AMPLITUDE AND MARGIN CALCULATION 22
5.5 TEST SETUP BLOCK DIAGRAM 23
5.6 TEST EQUIPMENT LIST AND DETAILS 24
5.7 TEST ENVIRONMENTAL CONDITIONS 25
5.8 SUMMARY OF TEST RESULTS 25
5.9 RADIATED EMISSIONS TEST RESULTS 26
6 APPENDIX A (NORMATIVE) – EUT TEST SETUP PHOTOGRAPHS 43
7 APPENDIX B (NORMATIVE) – EUT EXTERNAL PHOTOGRAPHS 44
8 APPENDIX C (NORMATIVE) – EUT INTERNAL PHOTOGRAPHS 45
9 APPENDIX D (NORMATIVE) – A2LA ELECTRICAL TESTING CERTIFICATE 46

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R2607064-colocation	Original Report	2026-08-10

1 General Description

1.1 Product Description for Equipment Under Test (EUT)

This test report was prepared on behalf of ChargePoint, Inc., and their product model: CP800, FCC ID: W38-CP800, IC: 8854A-CP800 or the "EUT" as referred to in this report. The EUT is an EV charger capable of Near Field Communication (NFC) that operates at 13.56 MHz. The EUT also contains pre-certified BT + WLAN Module (FCC ID: W38-LB2AE, IC: 8854A-LB2AE) and Cellular Module (FCC ID: RI7LE910CXWWX, IC: 5131A-LE910CXWWX).

BACL assigned serial number: R2603312-01.

1.2 Objective

This report is prepared on behalf of *ChargePoint, Inc.* in accordance with Part 2 Subpart J, Part 15 Subpart E, and Part 15 Subpart C of the Federal Communication Commission's rules and ISEDC RSS-210, RSS-247 ISSUE 4, July 2025.

The objective is to determine compliance with FCC Part 15.225, Part 15.247, Part 15.407, ISEDC RSS-210, RSS-247 for RF Exposure and Radiated Spurious Emissions for enabling colocation of LTE radio with 2.4GHz Wi-Fi, 5GHz Wi-Fi, RFID, BT Classic, and BLE radio insides the host enclosures.

In order to determine compliance, the manufacturer or a contracted laboratory makes measurements and takes the necessary steps to ensure that the equipment complies with the appropriate technical standards.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the immunity should be checked to ensure compliance has been maintained (i.e., printed circuit board layout changes, different line filter, different power supply, harnessing and/or I/O cable changes, etc.).

1.3 Related Submittal(s)/Grant(s)

N/A

1.4 Test Methodology

All measurements contained in this report were conducted in accordance with ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

1.5 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in the field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5%
RF output power, conducted	±0.57 dB
Power Spectral Density, conducted	±1.48 dB
Unwanted Emissions, conducted	±1.57 dB
All emissions, radiated	±4.0 dB
AC power line Conducted Emission	±2.0 dB
Temperature	±2ºC
Humidity	±5%
DC and low frequency voltages	±1.0%
Time	±2%
Duty Cycle	±3%

1.6 Test Facility Registrations

BACLs test facilities that are used to perform Radiated and Conducted Emissions tests are currently recognized by the Federal Communications Commission as Accredited with NIST Designation Number US1129.

BACL's test facilities that are used to perform Radiated and Conducted Emissions tests are currently registered with Innovation, Science, and Economic Development Canada (ISED) a under Registration Numbers: 3062A.

BACL is a Chinese Taipei Bureau of Standards Metrology and Inspection (BSMI) validated Conformity Assessment Body (CAB), under Appendix B, Phase I Procedures of the APEC Mutual Recognition Arrangement (MRA). BACL's BSMI Lab Code Number is: SL2-IN-E-1002R

BACL's test facilities that are used to perform AC Line Conducted Emissions, Telecommunications Line Conducted Emissions, Radiated Emissions from 30 MHz to 1 GHz, and Radiated Emissions from 1 GHz to 6 GHz are currently recognized as Accredited in accordance with the Voluntary Control Council for Interference [VCCI] Article 15 procedures under Registration Number A-0428.

1.7 Test Facility Accreditations

Bay Area Compliance Laboratories Corp. (BACL) is:

A- ***An independent, 3rd-Party, Commercial Test Laboratory accredited to ISO/IEC 17025:2017 by A2LA (Test Laboratory Accreditation Certificate Number 3297.02),*** in the fields of: Electromagnetic Compatibility and Telecommunications. Unless noted by an Asterisk (*) in the Compliance Matrix (See Section 3 of this Test Report), BACL's ISO/IEC 17025:2017 Scope of Accreditation includes all of the Test Method Standards and/or the Product Family Standards detailed in this Test Report.

BACL's ISO/IEC 17025:2017 Scope of Accreditation includes a comprehensive suite of EMC Emissions, EMC Immunity, Radio/Wireless, RF Exposure, Safety, and Wireline Telecommunications test methods applicable to a wide range of product categories. These product categories include, but are not limited to: Central Office Telecommunications Equipment [including NEBS – Network Equipment Building Systems], Information Technology Equipment (ITE); Telecommunications Terminal Equipment (TTE); Medical Electrical Equipment; Industrial, Scientific and Medical Test Equipment; Professional Audio and Video Equipment; Industrial Equipment, Scientific Instruments and Laboratory Apparatus; Cable Distribution Systems, Railway Equipment, Marine Equipment, and Energy Efficient Lighting. Additionally, BACL offers comprehensive test capabilities for both Unlicensed and Licensed Wireless and RF Devices, per the requirements of the FCC (USA), ISED Canada (Canada), the EU/EEA/EFTA Nations (per the ETSI Standards applicable under the Radio Equipment Directive), Singapore, MIC (Japan), South Korea, Vietnam, and Taiwan ROC.

B- ***A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3297.03)*** to certify

- For the USA (Federal Communications Commission):
  - 1- All Unlicensed radio frequency devices within FCC Scopes A1, A2, A3, and A4;
  - 2- All Licensed radio frequency devices within FCC Scopes B1, B2, B3, and B4;
  - 3- All Telephone Terminal Equipment within FCC Scope C.
- For the Canada (Innovation, Science and Economic Development Canada):
  - 1 All Scope 1-Licence-Exempt Radio Frequency Devices;
  - 2 All Scope 2-Licensed Personal Mobile Radio Services;
  - 3 All Scope 3-Licensed General Mobile & Fixed Radio Services;
  - 4 All Scope 4-Licensed Maritime & Aviation Radio Services;
  - 5 All Scope 5-Licensed Fixed Microwave Radio Services
  - 6 All Broadcasting Equipment Technical Standards (BETS) in the Category I Equipment Standards List.
  - 7. RSS-HAC Radio Scope 6 Hearing Aid Compatibility and Volume Control
- For Singapore (Info-Comm Media Development Authority (IMDA)):
  - 1 All Line Terminal Equipment: All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2011, Annex 2 IMDA Phase I
  - 2. All Radio-Communication Equipment: All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2011, Annex 2 IMDA Phase II
- For the Hong Kong Special Administrative Region & (Office of the Communications Authority-OFCA) – APEC Tel MRA- Phase I and Phase II:
  - 1 Radio Equipment, per KHCA 10XX-series Specifications; HKCA 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1010, 1015, 1016, 1019, 1020, 1022, 1026, 1033, 1034, 1035, 1036, 1037, 1039, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1052, 1053, 1054, 1056, 1057, 1061, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1080, 1081
  - 2 GMDSS Marine Radio Equipment, per HKCA 12XX-series Specifications; HKCA 1218, 1223, 1224, 1225, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1277, 1281, 1282, 1283

3 Fixed Network Equipment, per HKCA 20XX-series Specifications; HKCA 2001, 2011, 2014, 2015, 2017, 2026, 2027, 2028, 2029, 2030, 2031

- For Japan:

1 MIC Telecommunication Business Law (Terminal Equipment):
- All Scope A1 - Terminal Equipment for the Purpose of Calls;
- All Scope A2 - Other Terminal Equipment

2 Radio Law (Radio Equipment):
- All Scope B1 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
- All Scope B2 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
- All Scope B3 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

C- ***A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3297.01)*** to certify Products to USA's Environmental Protection Agency (EPA) ENERGY STAR Product Specifications for:

1 Appliances:
- for Clothes Washers (ver. 8.1)
- for Residential Dishwashers (ver. 6.0)
- for Residential Refrigerators and/or Freezers (ver. 5.0)

2 Commercial Food Service Equipment:
- for Commercial Dishwashers (ver. 3.0)
- for Commercial Ice Machines (ver. 3.0)

3 Data Center Equipment:
- for Large Network Equipment (ver. 1.1)

4 Electronics and Office Equipment:
- for Audio/Video Equipment (ver. 3.0)
- for Computers (ver. 8.0)
- for Data Center Storage (ver. 2.1)
- for Displays (ver. 8.0)
- for Enterprise Servers (ver. 4.0)
- for Imaging Equipment (ver. 3.1)
- for Set-top Boxes & Cable Boxes (ver. 5.1)
- for Small Network Equipment (ver. 1.0)
- for Telephony (ver. 3.0)
- for Televisions (ver. 9.0), Title 10 Chapter II CFR Part 430 Subpart B –Appendix BB, Title 10 Chapter II CFR Part 430 Subpart B –Appendix DD

3 Lighting and Fans
- for Decorative Light Strings (ver. 1.5)
- for Downlights (ver. 1.0)
- for Lamps (Light Bulbs)(ver. 2.1)
- for Luminaires (including sub-components) (ver. 2.2)
- for Residential Ceiling Fans (ver. 4.0)
- for Residential Ventilating Fans (ver. 4.1)

4 Other
- for Residential Ceiling Fans (ver. 4.0)

- for Electric Vehicle Supply Equipment (ver. 1.2)(Electric Vehicle Supply Equipment Final Test Method for DC-output EVSE Rev March 2021)
- for Water Coolers (ver. 3.0)
- for Smart Home Energy Management Systems (ver. 1.1)

D- ***A NIST Designated Phase-I and Phase-II Conformity Assessment Body (CAB) for the following economies and regulatory authorities under the terms of the stated MRAs/Treaties:***

1. For the USA (Federal Communications Commission), as a Telecommunications Certification Body (TCB):
   - a. All Unlicensed radio frequency devices within FCC Scopes A1, A2, A3, and A4;
   - b. All Licensed radio frequency devices within FCC Scopes B1, B2, B3, and B4;
   - c. All Telephone Terminal Equipment within FCC Scope C.

2. Canada (ISED Canada) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II:
   - a. Phase I Designation Letter
   - b. Phase II ISED Canada recognition as a Product Certification Body for unlicensed wireless devices, licensed radios, radars, etc.:

3. For Singapore (InfoComm Media Development Authority (IMDA)) APEC Tel MRA -Phase I & Phase II:
   - a. All Line Terminal Equipment: All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2011, Annex 2 IMDA Phase I
   - b. All Radio-Communication Equipment: All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2011, Annex 2 IMDA Phase II

4. For the Hong Kong Special Administrative Region & (Office of the Communications Authority – OFCA) – APEC Tel MRA -Phase I & Phase II:
   - a. NIST Phase I Scope Recognition Letter from OFCA for BACL –US0057
   - b. OFCA Phase II Designation Letter

5. For Japan (Ministry of Communications):
   - a. NIST Japan Recognition
   - b. MIC Telecommunication Business Law (Terminal Equipment):
     1. All Scope A1 – Terminal Equipment for the Purpose of Calls;
     2. All Scope A2 – Other Terminal Equipment
   - c. Radio Law (Radio Equipment):
     1. All Scope B1 – Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
     2. All Scope B2 – Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
     3. All Scope B3 – Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

   - d. Japan VCCI – Voluntary Control Council for Interference US-Japan Telecom Treaty (VCCI Side Letter)
     1. VCCI Certificate
   - d. Japan Registered Certification Body
     1. RCB Recognition Letter
6. European Union:
   1. Radio Equipment Directive [RED] 2014/53/EU US-EU EMC & Telecom MRA CAB (NB)
   2. EMC Directive [EMCD] 2014/30/EU US-EU EMC & Telecom MRA CAB (NB):

7. Australia ACMA (Australian Communication and Media Authority) – APEC Tel MRA -Phase I:
    1.Phase I Designation Letter

8. Chinese Taipei (Republic of China – Taiwan):
    1. NCC (National Communications Commission) APEC Tel MRA -Phase I

9. Republic of Korea (Ministry of Communications – Radio Research Laboratory) APEC Tel MRA -Phase I:
    1. NIST Phase I Scope Update Notification Letter from Korea for BACL

10. Vietnam APEC Tel MRA -Phase I (page 13)
    1. Vietnam (MIC) NIST Phase I Scope

11. Indonesia SDPPI (page 6)
    1. Phase I Listing

12. Israel Phase I
    1. NIST Phase I Scope Update Recognition Letter from Israel for BACL –US0057

13. UK Radio and EMC NIST Designation Letters
    UK website: https://www.gov.uk/uk-market-conformity-assessment-bodies/bay-area-compliance-laboratories-corp-bacl
        1. Electromagnetic Compatibility Regulations (SI 2016/1091)
        https://assets.publishing.service.gov.uk/media/5fe1e344e90e07452fce4e5a/AB_1313_BACL_UK_EMC_Regs_NIST_Designation_Extended.pdf

        2. Radio Equipment Regulations 2017 (SI 2017/1206)
        https://assets.publishing.service.gov.uk/media/5fe1e351e90e074525bf7be6/AB_1313_BACL_UK_Radio_Regs_NIST_Designation_Extended.pdf

14. IFT Mexico Phase I
    1. NIST Phase I New Recognition Letter from Mexico for BACL – US0057

15. Taiwan (BSMI) Phase 1 Designation Letter and designation form.
    1. NIST Phase I Scope Update Designation Letter to BSMI for BACL – US0057
    2. NIST Phase I Scope Update Designation Form to BSMI for BACL – US0057

2 System Test Configuration

2.1 Justification

The EUT was configured for testing according to ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 and FCC KDB 558074 D01 DTS Meas Guidance v05r02.

The EUT was tested in a testing mode to represent worst-case results during the final qualification test.

2.2 EUT Exercise Software

The exercising software used during testing was "Tera Term". The software is compliant with the standard requirements being tested against.

The CMX500 callbox was used to configure the cellular radio in traffic mode on LTE Band 2.

Radio	Frequency (MHz)	Configuration	Power Setting
2.4GHz Wi-Fi	2437	802.11g	20
5GHz Wi-Fi	5180	802.11a	24
BLE	2440	1Mbps	4
BT Classic	2441	DH1	Default
LTE	1850-1910	Band 2	Default
RFID	13.56	Default	Default

2.3 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude 5401	HCJH3Z2

2.4 Remote Support Equipment

Manufacturer	Description	Model	Serial Number
ChargePoint	Programmer Switch	-	-
ChargePoint, Inc.	RFID passive tag	-	-

Note: pre-testing was performed with and without RFID passive tag. After pretesting, it was confirmed that worst-case config is without passive tag and thus the results of the report are reflective of this setup.

2.5 Power Supply and Line Filters

Manufacturer	Description	Model	Serial Number
OpenPeak	5VDC 4A Wall Adapter Switching Power Supply	LFS054000D-A8S	EPS050400H-PSRP-FL

2.6 Interface Ports and Cabling

Cable Descriptions	Length (m)	From	To
USB-C Cable	<1	Laptop	Programmer Switch
UART cable	<1	Programmer Switch	EUT

3 Summary of Test Results

FCC / IC Rules	Description of Test	Results
FCC § 15.225 FCC § 15.247 (i) FCC §2.1091 FCC § 1.1307 (b) RSS-102	RF Exposure	Compliant
FCC §2.1053, §15.35(b), §15.205, §15.225, §15.209, §15.247(d), §15.407(b) RSS-210, RSS-247 §6.6, §7.3.1.3, §7.3.2.3, §7.3.3.3, §7.3.4.4, RSS-Gen §8.9, §8.10	Radiated Spurious Emissions	Compliant

BACL is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report. Information provided by the customer, e.g., antenna gain, can affect the validity of results.

4 FCC §2.1091, FCC §15.225, FCC §15.247(i) & ISEDC RSS-102 – RF Exposure

4.1 Applicable Standards

According to FCC §15.247(i), Radio frequency devices operating under the provisions of this part are subject to the radio frequency radiation exposure requirements specified in §§ 1.1307(b), 1.1310, 2.1091, and 2.1093 of this chapter, as appropriate. Applications for equipment authorization of mobile or portable devices operating under this section must contain a statement confirming compliance with these requirements. Technical information showing the basis for this statement must be submitted to the Commission upon request.

According to FCC §2.1091, and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Averaging Time (minutes)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	* (100)	30
1.34-30	824/f	2.19/f	* ($180/f^2$)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz
* = Plane-wave equivalent power density

According to ISED RSS-102 Issue 6

Table 7: RF field strength and power density limits for devices used by the general public (uncontrolled environment)

Frequency range (MHz)	Electric field (V_{RMS}/m)	Magnetic field (A_{RMS}/m)	Power density (W/m^2)	Reference period (minutes)
10-20	27.46	0.0728	2	6
20-48	$58.07 / f^{0.25}$	$0.1540 / f^{0.25}$	$8.944 / f^{0.5}$	6
48-300	22.06	0.05852	1.291	6
300-6000	$3.142 f^{0.3417}$	$0.008335 f^{0.3417}$	$0.02619 f^{0.6834}$	6
6000-15000	61.4	0.163	10	6
15000-150000	61.4	0.163	10	$616000/ f^{1.2}$
150000-300000	$0.158 f^{0.5}$	$4.21\times10^{-4} f^{0.5}$	$6.67\times10^{-5} f$	$616000/ f^{1.2}$

Note: f is frequency in MHz.

4.2 MPE Prediction:

Predication of MPE limit at a given distance, Equation from OET Bulletin 65, Edition 97-01

$$S = PG/4\pi R^2$$

Where: S= power density (in appropriate units, e.g. mW/cm2)
P = power input to the antenna (in appropriate units, e.g., mW)
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

4.3 MPE Results for FCC

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Power Density at 20cm (mW/cm^2)	Limit (mW/cm^2)
2.4 GHz Wi-Fi	2412	4.0	19.0	23.0	199.53	0.0397	1.0
5 GHz Wi-Fi	5180	3.3	18.5	21.8	151.36	0.03011	1.0
BLE	2402	4.0	6.5	10.5	11.22	0.0022	1.0
BT Classic	2402	4.0	7.0	11.0	12.59	0.0025	1.0
RFID	13.56	N/A	N/A	68 dBuV/m @ 3m	0.001	0.0000002031	0.979

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Power Density at 20cm (mW/cm^2)	Limit (mW/cm^2)
LTE GSM/GPRS Cell	824.2 - 848.8	1.531	27.5	29.031	800.01844	0.159	0.549

The simultaneous transmission result:

2.4GHz Wi-Fi, LTE, and RFID:
(0.0397 / 1.0) + (0.0000002031 / 0.979) + (0.159 / 0.549) = 0.32932 < 1

5GHz Wi-Fi, LTE, and RFID:
(0.03011 / 1.0) + (0.0000002031 / 0.979) + (0.159 / 0.549) = 0.31973 < 1

BLE, LTE, and RFID:
(0.0022 / 1.0) + (0.0000002031 / 0.979) + (0.159 / 0.549) = 0.29182 < 1

BT Classic, LTE, and RFID:
(0.0025 / 1.0) + (0.0000002031 / 0.979) + (0.159 / 0.549) = 0.29212 < 1

Note: 2.4 GHz Wi-Fi, 5GHz Wi-Fi, BLE, and BT Classic Power (dBm) are referenced from report with FCC ID: W38-LB2AE, IC: 8854A-LB2AE.
Note: LTE Power (dBm) is referenced from report with FCC ID: RI7LE910CXWWX, IC: 5131A-LE910CXWWX.

4.4 MPE Results for IC

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Power Density at 20cm (W/m^2)	Limit (W/m^2)
2.4 GHz Wi-Fi	2412	4.0	19.0	23.0	199.53	0.397	5.37
5 GHz Wi-Fi	5180	3.3	18.5	21.8	151.36	0.3011	9.05
BLE	2402	4.0	6.5	10.5	11.22	0.022	5.35
BT Classic	2402	4.0	7.0	11.0	12.59	0.025	5.35
RFID	13.56	N/A	N/A	68 dBuV/m @ 3m	0.001	0.000002031	2

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Power Density at 20cm (W/m^2)	Limit (W/m^2)
LTE GSM/GPRS Cell	824.2 - 848.8	1.531	27.5	29.031	800.01844	1.59	2.58

The simultaneous transmission result:

2.4GHz Wi-Fi, LTE, and RFID:

(0.397 / 5.37) + (0.000002031 / 2) + (1.59 / 2.58) = 0.6902 < 1

5GHz Wi-Fi, LTE, and RFID:

(0.3011 / 9.05) + (0.000002031 / 2) + (1.59 / 2.58) = 0.6596 < 1

BLE, LTE, and RFID:

(0.022 / 5.35) + (0.000002031 / 2) + (1.59 / 2.58) = 0.6204 < 1

BT Classic, LTE, and RFID:

(0.025 / 5.35) + (0.000002031 / 2) + (1.59 / 2.58) = 0.6210 < 1

The device is compliant with the requirement IC MPE limit for uncontrolled exposure. Limit is <100%.

Note: 2.4 GHz Wi-Fi, 5GHz Wi-Fi, BLE, and BT Classic Power (dBm) are referenced from report with FCC ID: W38-LB2AE, IC: 8854A-LB2AE.
Note: LTE Power (dBm) is referenced from report with FCC ID: RI7LE910CXWWX, IC: 5131A-LE910CXWWX.
Note: LTE limit determined from the worst case margin per the original report.

5 FCC §15.35(b), §15.205, §15.209, §15.225, §15.247(d), §15.407(b) & ISEDC RSS-247 §6.6, §7.3, RSS-210, RSS-Gen §8.9, §8.10 – Spurious Radiated Emissions

5.1 Applicable Standards

As per FCC §15.35(b): Unless otherwise specified, on any frequency or frequencies above 1000 MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. Unless otherwise specified, measurements above 1000 MHz shall be performed using a minimum resolution bandwidth of 1 MHz.

As Per FCC §15.205(a) except as show in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 – 0.110 0.495 – 0.505 2.1735 – 2.1905 4.125 – 4.128 4.17725 – 4.17775 4.20725 – 4.20775 6.215 – 6.218 6.26775 – 6.26825 6.31175 – 6.31225 8.291 – 8.294 8.362 – 8.366 8.37625 – 8.38675 8.41425 – 8.41475 12.29 – 12.293 12.51975 – 12.52025 12.57675 – 12.57725 13.36 – 13.41	16.42 – 16.423 16.69475 – 16.69525 25.5 – 25.67 37.5 – 38.25 73 – 74.6 74.8 – 75.2 108 – 121.94 123 – 138 149.9 – 150.05 156.52475 – 156.52525 156.7 – 156.9 162.0125 –167.17 167.72 – 173.2 240 – 285 322 – 335.4 399.9 – 410 608 – 614	960 – 1240 1300 – 1427 1435 – 1626.5 1645.5 – 1646.5 1660 – 1710 1718.8 – 1722.2 2200 – 2300 2310 – 2390 2483.5 – 2500 2690 – 2900 3260 – 3267 3.332 – 3.339 3 3458 – 3 358 3.600 – 4.400	4. 5 – 5. 15 5. 35 – 5. 46 7.25 – 7.75 8.025 – 8.5 9.0 – 9.2 9.3 – 9.5 10.6 – 12.7 13.25 – 13.4 14.47 – 14.5 15.35 – 16.2 17.7 – 21.4 22.01 – 23.12 23.6 – 24.0 31.2 – 31.8 36.43 – 36.5 Above 38.6

As per FCC §15.209(a): Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (micro volts/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

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

As per FCC §15.247 (d),

in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

As per ISEDC RSS-247 §6.6,

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum device, digitally modulated device, or hybrid system is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power – based on either an RF conducted or a radiated measurement – provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 6.3.2, the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

As per FCC §15.407 (b),

1) For transmitters operating in the 5.15–5.25 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
2) For transmitters operating in the 5.25–5.35 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
3) For transmitters operating in the 5.47–5.725 GHz band: All emissions outside of the 5.47–5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
4) For transmitters operating solely in the 5.725–5.850 GHz band:
    i. All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
    ii. Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
8) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
10) The provisions of §15.205 apply to intentional radiators operating under this section.

As per ISEDC RSS-247

§7.3.1.3, For transmitters with operating frequencies in the band 5150-5250 MHz:
all emissions outside the 5150-5350 MHz band shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density;
any unwanted emissions that falls between the upper edge of the 26 dB bandwidth and 5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth.
if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing DFS (see section 7.3.6) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

According to ISEDC RSS-247 §7.3.2.3, Devices shall comply with the following:
all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz peak e.i.r.p spectral density.
all emissions inside the band 5150-5250 MHz shall either:
not exceed -27 dBm/MHz peak e.i.r.p spectral density, or
comply with the power spectral density for operation in section 7.3.1.2.

According to ISEDC RSS-247 §7.3.3.3, Equipment operating in the bands 5470-5725 MHz shall comply with the following unwanted emission limits:
for devices with fundamental emissions fully contained within the 5470-5725 MHz band, all unwanted emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density.
for devices with bandwidth overlapping the band edge of 5725 MHz, all unwanted emissions shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density at 5850 MHz instead of 5725 MHz.

According to ISEDC RSS-247 §7.3.4.4, Devices shall comply with the following:
Equipment operating in the band 5725-5850 MHz shall comply with the following peak e.i.r.p. spectral density limits:
27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
-27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

As per ISEDC RSS-Gen §8.9,

Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 5 and table 6. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

Table 5 – General field strength limits at frequencies above 30 MHz

Frequency (MHz)	Field Strength (µV/m at 3 m)
30 – 88	100
88 – 216	150
216 – 960	200
Above 960	500

Table 6 – General field strength limits at frequencies below 30 MHz

Frequency	Field Strength (micro volts/meter)	Measurement Distance (meters)
9 – 490 kHz[Note 1]	6.37/F (F in kHz)	300
490 – 1705 kHz	63.7/F (F in kHz)	30
1.705 – 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

As per ISEDC RSS-Gen §8.10(c),

Unwanted emissions that do not fall within the restricted frequency bands listed in table 7 shall comply either with the limits specified in the applicable RSS or with those specified in table 5 and table 6.

Table 7 – Restricted frequency bands [Note 1]

MHz	MHz	GHz
0.090 – 0.110	149.9 – 150.05	9.0 – 9.2
0.495 – 0.505	156.52475 – 156.52525	9.3 – 9.5
2.1735 – 2.1905	156.7 – 156.9	10.6 – 12.7
3.020 – 3.026	162.0125 –167.17	13.25 – 13.4
4.125 – 4.128	167.72 – 173.2	14.47 – 14.5
4.17725 – 4.17775	240 – 285	15.35 – 16.2
4.20725 – 4.20775	322 – 335.4	17.7 – 21.4
5.677 – 5.683	399.9 – 410	22.01 – 23.12
6.215 – 6.218	608 – 614	23.6 – 24.0
6.26775 – 6.26825	960 – 1427	31.2 – 31.8
6.31175 – 6.31225	1435 – 1626.5	36.43 – 36.5
8.291 – 8.294	1645.5 – 1646.5	Above 38.6
8.362 – 8.366	1660 – 1710	
8.37625 – 8.38675	1718.8 – 1722.2	
8.41425 – 8.41475	2200 – 2300	
12.29 – 12.293	2310 – 2390	
12.51975 – 12.52025	2483.5 – 2500	
12.57675 – 12.57725	2655 – 2900	
13.36 – 13.41	3260 – 3267	
16.42 – 16.423	3332 – 3339	
16.69475 – 16.69525	3345.8 – 3358	
16.80425 – 16.80475	3500 – 4400	
25.5 – 25.67	4500 – 5150	
37.5 – 38.25	5350 – 5460	
73 – 74.6	7250 – 7750	
74.8 – 75.2	8025 – 8500	
108 – 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for license-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

5.2 Test Setup

The radiated emissions tests were performed in the 5-meter chamber, using the setup in accordance with ANSI C63.10. The specification used was the FCC §15.247, §15.407 and ISEDC RSS-247 limits.

The spacing between the peripherals was 10 centimeters.

External I/O cables were draped along the edge of the test table and bundled when necessary.

5.3 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The EUT was set 3 meter away from the testing antenna, which was varied from 1-4 meters, and the EUT was placed on a turntable, which was 0.8 meters and 1.5 meters above the ground plane for below and above 1000 MHz measurements, the table shall be rotated for 360 degrees to find out the highest emission. The receiving antenna's polarity should be changed between horizontal and vertical.

The spectrum analyzer or receiver was set as:

9 kHz-150 kHz

RBW = 200Hz /VBW = 1kHz

150 kHz-30 MHz

RBW = 9kHz /VBW = 30kHz

30 MHz- 1000 MHz:

RBW = 100 kHz / VBW = 300 kHz / Sweep = Auto

Above 1000 MHz:

(1) Peak: RBW = 1MHz / VBW = 1MHz / Sweep = Auto
(2) Average: RBW = 1MHz / VBW = 3MHz / Sweep = Auto / Trace averaging for 100 traces

5.4 Corrected Amplitude and Margin Calculation

For emissions below 1 GHz,

The Corrected Amplitude (CA) is calculated by adding the Correction Factor to the S.A. Reading. The basic equation is as follows:

CA = S.A. Reading + Correction Factor

For example, a corrected amplitude of 40.3 dBuV/m = S.A. Reading (32.5 dBuV) + Correction Factor (7.8 dB/m)

The Correction Factor is calculated by adding the Antenna Factor (AF), the Cable Loss (CL), the Attenuator Factor (Atten) and subtracting the Amplifier Gain (Ga) together. This calculation is done in the measurement software, and reported in the test result section. The basic equation is as follows:

Correction Factor = AF + CL + Atten – Ga

The "Margin" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of -7 dB means the emission is 7 dB below the maximum limit. The equation for margin calculation is as follows:

Margin = Corrected Amplitude – Limit

For emission above 1 GHz,

The Corrected Amplitude (CA) is calculated by adding the Antenna Factor (AF), the Cable Loss (CL), the Attenuator Factor (Atten) and subtracting the Amplifier Gain (Ga) to indicated Amplitude (Ai) reading. The basic equation is as follows:

CA = Ai + AF + CL + Atten – Ga

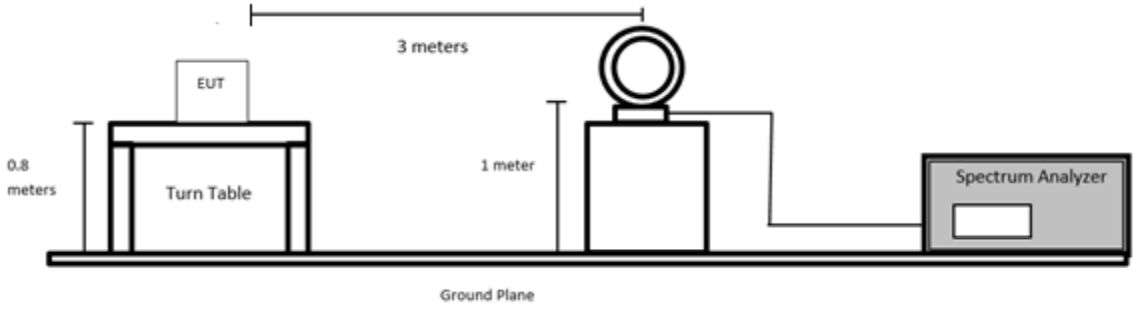
For example, a corrected amplitude of 40.3 dBuV/m = Indicated Reading (32.5 dBuV) + Antenna Factor (+23.5dB) + Cable Loss (3.7 dB) + Attenuator (10 dB) - Amplifier Gain (29.4 dB)

The "Margin" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of -7 dB means the emission is 7 dB below the maximum limit. The equation for margin calculation is as follows:

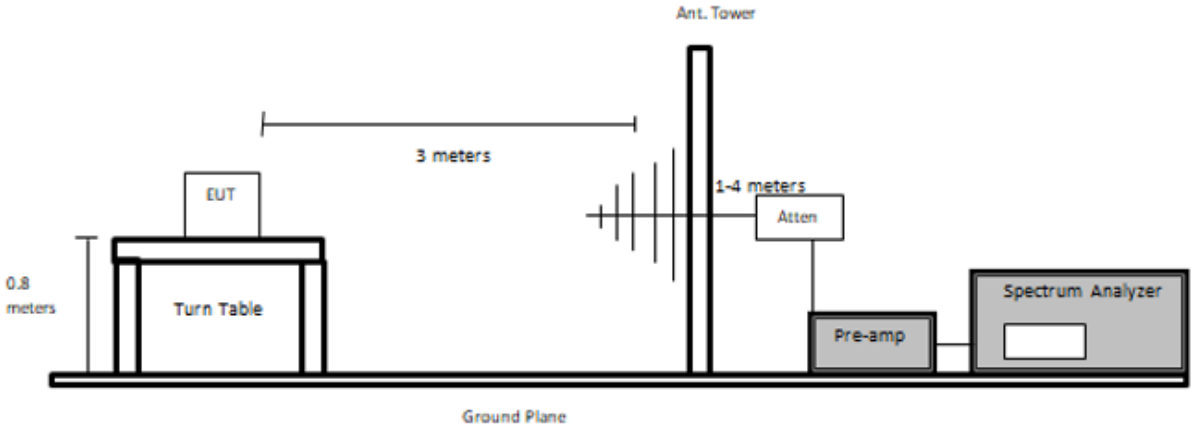
Margin = Corrected Amplitude – Limit

5.5 Test Setup Block Diagram

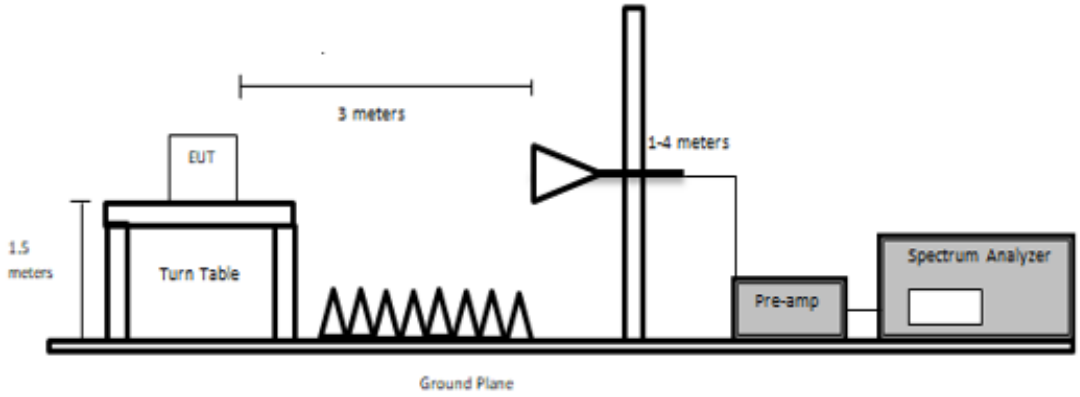
9 kHz to 30 MHz Test Setup



30 MHz to 1 GHz Test Setup



Above 1 GHz Test Setup



5.6 Test Equipment List and Details

BACL No.	Manufacturer	Description	Model No.	Serial No.	Calibration Date	Calibration Interval
327	Sunol Sciences	System Controller	SC110V	122303-1	N/R	N/R
1075	Sunol Sciences	Boresight Tower	TLT3	050119-7	N/R	N/R
1388	Sunol Sciences	Flush Mount Turntable	FM	112005-2	N/R	N/R
1432	Keysight Technologies	MXE EMI Receiver, Multi-touch	N9038B	MY60180008	2026-01-22	1 year
316	Sonoma Instruments	Preamplifier 10 kHz - 2.5 GHz	317	260406	2026-05-13	6 months
321	Sunol Sciences	Biconilog Antenna 30MHz-1GHz	JB3	A020106-2	2025-12-16	2 years
1245	Pasternack	6dB Attenuator	PE7390-6	01182018A	2025-12-16	2 years
1246	Hewlet Packard	RF Limiter 9KHz-1GHz	11867A	01734	2026-03-05	6 months
1295	CarlisleIT	10 Coaxial Cable	UFG142A-1-3937-200200	64639890912-001	2026-04-14	6 months
1248	Pasternack	RG214 COAX Cable 9 kHz - 1 GHz	PE3062	NA	2026-04-06	6 months
1192	ETS Lindgren	Horn Antenna 1-18GHz	3117	00218973	2024-10-23	2 years
1449	BACL	Preamplifier 100MHz-18GHz	BACL1313-A100M18G	4052472	2026-02-17	6 months
90	Wisewave	Horn Antenna 18-26.5GHz	ARH-4223-02	10555-01	2025-05-06	2 years
92	Wisewave	Horn Antenna 26.5-40GHz	ARH-2823-02	10555-01	2024-07-26	2 years
473	EMCO	Horn Antenna	3115	9511-4627	2024-11-26	2 years
393	Com-Power	Loop Antenna, Active	AL-130	17043	2025-05-06	2 years
1451	BACL	Preamplifier 18-40GHz	BACL-1313-A1840	4052432	2026-02-17	6 months
1545	Megaphase	K-type coax cable	TM40-K1K3-12	20869601 001	2026-02-17	6 months
1546	Megaphase	SMA coax cable	TM26-S1S3-12	20869602 001	2026-02-27	6 months
1628	Global Engineering Services Corp	2.92mm 10m coax cable	XH400A-2.92/J-2.92/J-10M-A	BACL01628A	2026-04-24	6 months
672	Micro-Tronics	2.4 - 2.6GHz Notch Filter	BRM50701	160	2026-03-05	1 year
1331	Micro-Tronics	Notch band 5150-5880MHz Filter	BRM50716	G262	2025-12-17	1 year
1526	Micro-Tronics	High Pass Filter	HPM50110	G185	2026-03-19	1 year
1568	Rohde & Schwarz	CMX	CMX500	1201.0002K70-102834-YY	N/R	N/R
1117	-	2m N-SMA RF cable	SMAJ-NJ-2m-6G	BACL01117A	2026-02-13	6 months
926	Knowles Precision Devices	Notch Filter 1.95 GHz	938147	60656	2025-07-27	1 year

Statement of Traceability: BACL Corp. *attests that all of the calibrations on the equipment items listed above were traceable to NIST or to another internationally recognized National Metrology Institute (NMI), and were compliant with the latest version of A2LA policy P102 "A2LA Policy on Metrological Traceability".*

5.7 Test Environmental Conditions

Temperature:	20 – 22.5°C
Relative Humidity:	55%
ATM Pressure:	101.85 kPa

The radiated testing was performed by Justine Alagon on 2026-07-14 – 2026-07-22 in 5m chamber 3.

5.8 Summary of Test Results

According to the data hereinafter, the EUT complied with the FCC Part 15.209, 15.225, 15.247, 15.407 and ISEDC RSS-210 and RSS-247 standards' radiated emissions limits, and had the worst margin of:

Worst Case – Mode: Transmitting			
Margin (dB)	**Frequency (MHz)**	**Polarization (Horizontal/Vertical)**	**Configuration**
-2.00	16321.3	Vertical	5GHz WiFi + RFID + LTE

Please refer to the tables and plots in the next section for detailed test results.

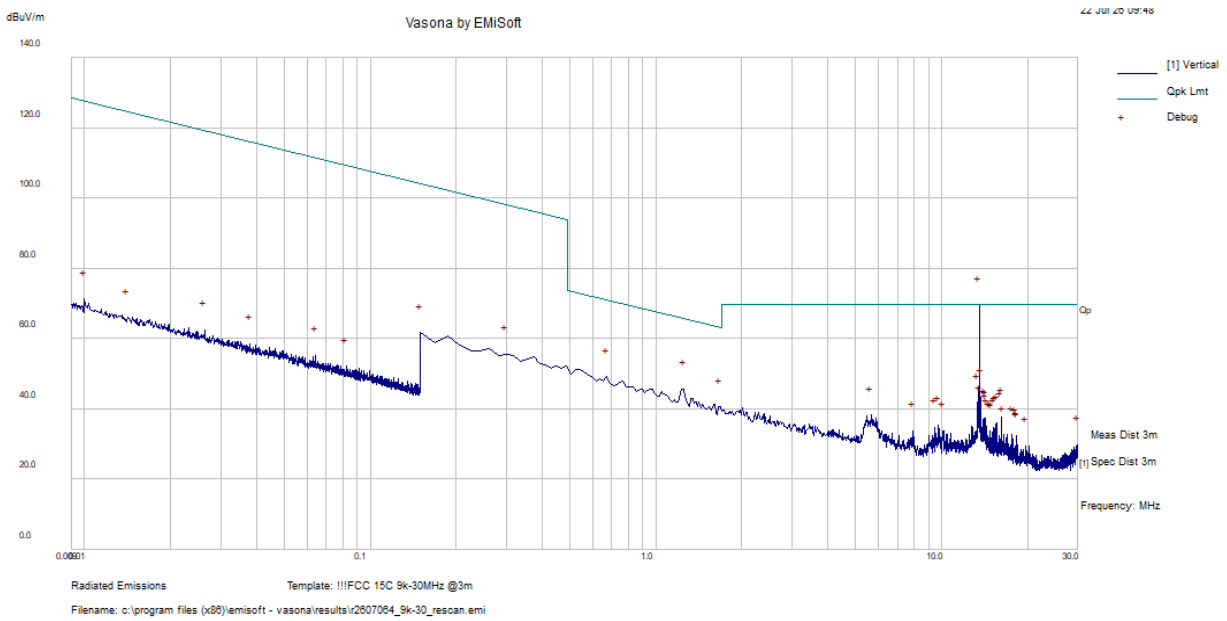
5.9 Radiated Emissions Test Results

Note: Pre-scan was performed in order to determine worst-case orientation of device with respect to measurement antenna in the X/Y/Z axis. Plots/data shown represent measurements made in worst-case orientation.
Note: Parallel polarization is shown below as it was determined to be the worst-case polarization.

1) 9 kHz – 30 MHz, Measured at 3 meters

BLE + RFID + LTE

Parallel

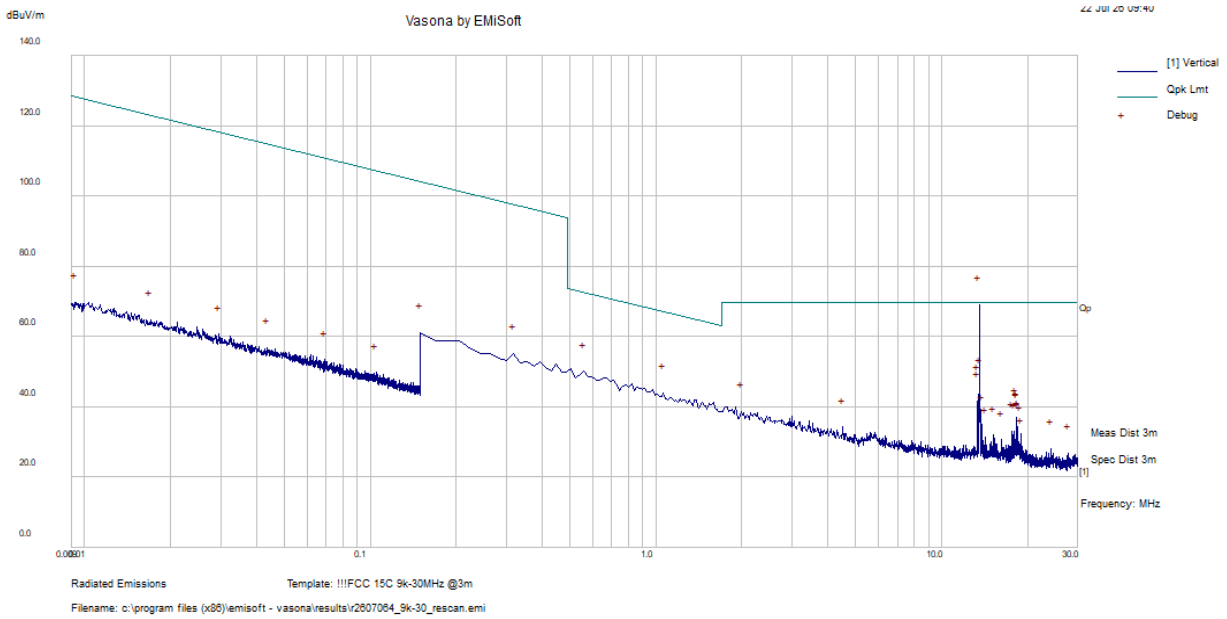


Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Position	Limit (dBµV/m)	Margin (dB)	Detector
1.250719	35.5	10.09	45.59	Parallel	65.66	-20.07	Peak
0.672375	38.99	10.09	49.08	Parallel	71.05	-21.98	Peak
1.679813	30.24	10.21	40.45	Parallel	63.1	-22.65	Peak
13.71309	32.76	10.45	43.21	Parallel	69.54	-26.33	Peak
13.33997	31.38	10.49	41.86	Parallel	69.54	-27.68	Peak

Note: Peak emissions are compared to QP limits to show worst-case compliance.

BT Classic + RFID + LTE

Parallel

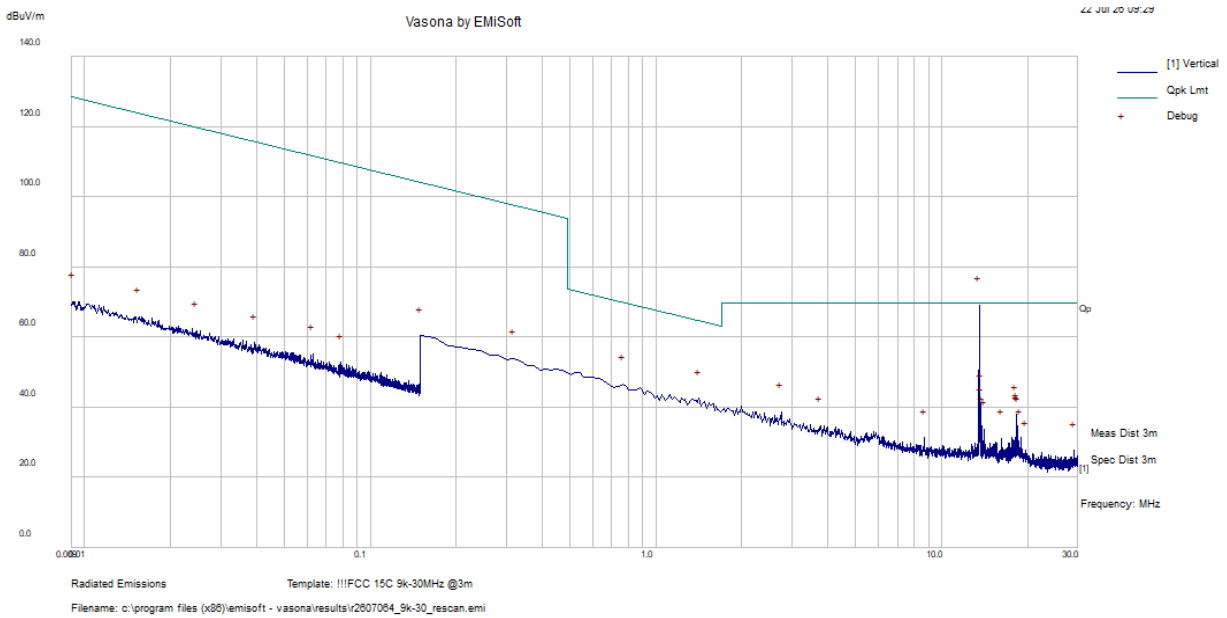


Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Position	Limit (dBµV/m)	Margin (dB)	Detector
0.560438	39.95	10.12	50.07	Parallel	72.64	-22.57	Peak
1.064156	33.95	10.02	43.97	Parallel	67.06	-23.1	Peak
13.638469	35.23	10.46	45.69	Parallel	69.54	-23.85	Peak
13.414594	33.1	10.48	43.58	Parallel	69.54	-25.96	Peak
13.358625	31.09	10.48	41.57	Parallel	69.54	-27.97	Peak

Note: Peak emissions are compared to QP limits to show worst-case compliance.

2.4GHz Wi-Fi + RFID + LTE

Parallel

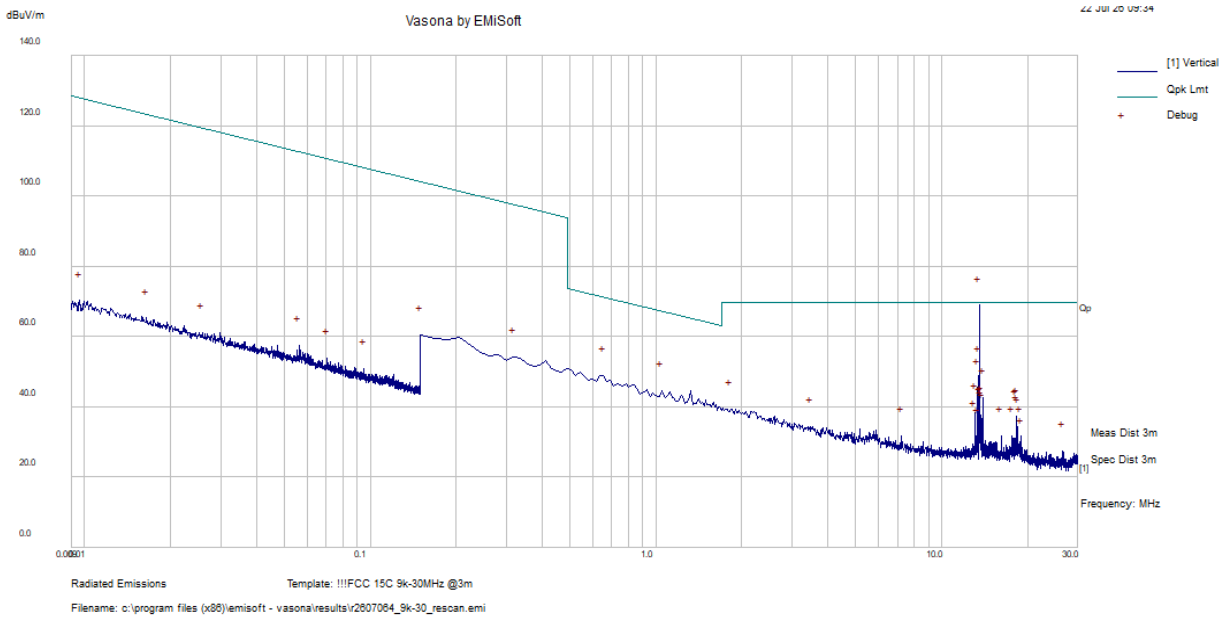


Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Position	Limit (dBµV/m)	Margin (dB)	Detector
1.418625	32.31	10.14	42.45	Parallel	64.57	-22.12	Peak
0.765656	36.45	10.05	46.51	Parallel	69.92	-23.41	Peak
13.694438	30.82	10.45	41.27	Parallel	69.54	-28.27	Peak
2.743219	28.43	10.35	38.77	Parallel	69.54	-30.77	Peak
18.246563	27.79	10.18	37.98	Parallel	69.54	-31.56	Peak

Note: Peak emissions are compared to QP limits to show worst-case compliance.

5GHz Wi-Fi + RFID + LTE

Parallel

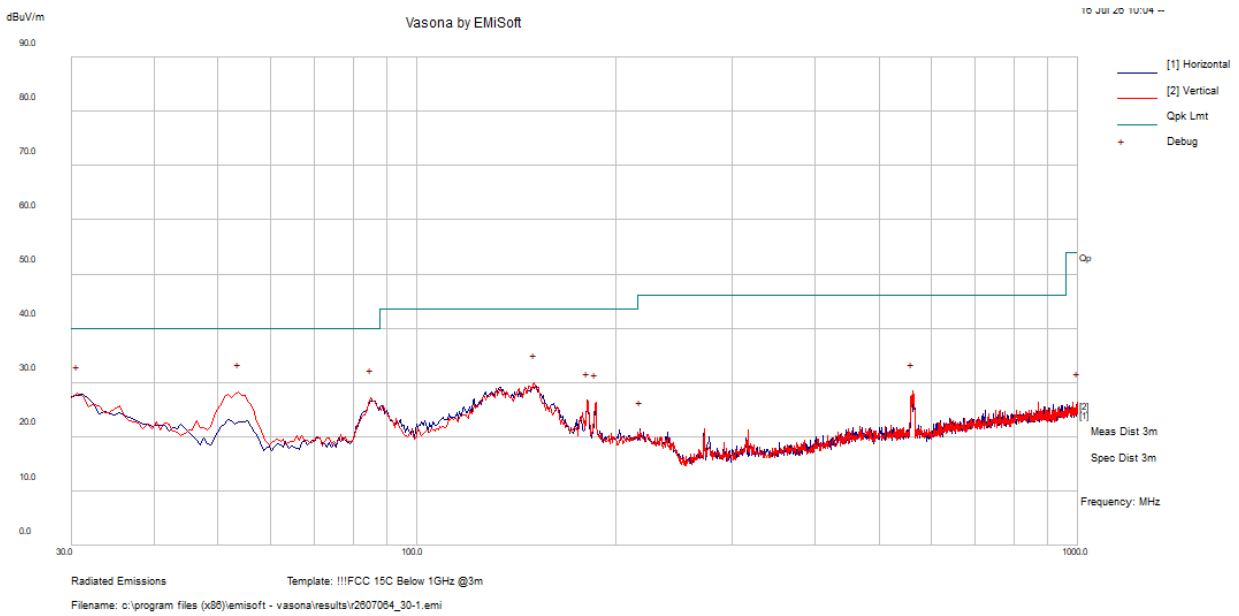


Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Position	Limit (dBµV/m)	Margin (dB)	Detector
13.489219	38.46	10.47	48.93	Parallel	69.54	-20.61	Peak
0.653719	38.86	10.09	48.95	Parallel	71.3	-22.35	Peak
1.0455	34.67	10.01	44.68	Parallel	67.22	-22.54	Peak
13.339969	34.93	10.49	45.42	Parallel	69.54	-24.12	Peak
13.974281	32.3	10.42	42.73	Parallel	69.54	-26.81	Peak

Note: Peak emissions are compared to QP limits to show worst-case compliance.

2) 30 MHz – 1 GHz, Measured at 3 meters

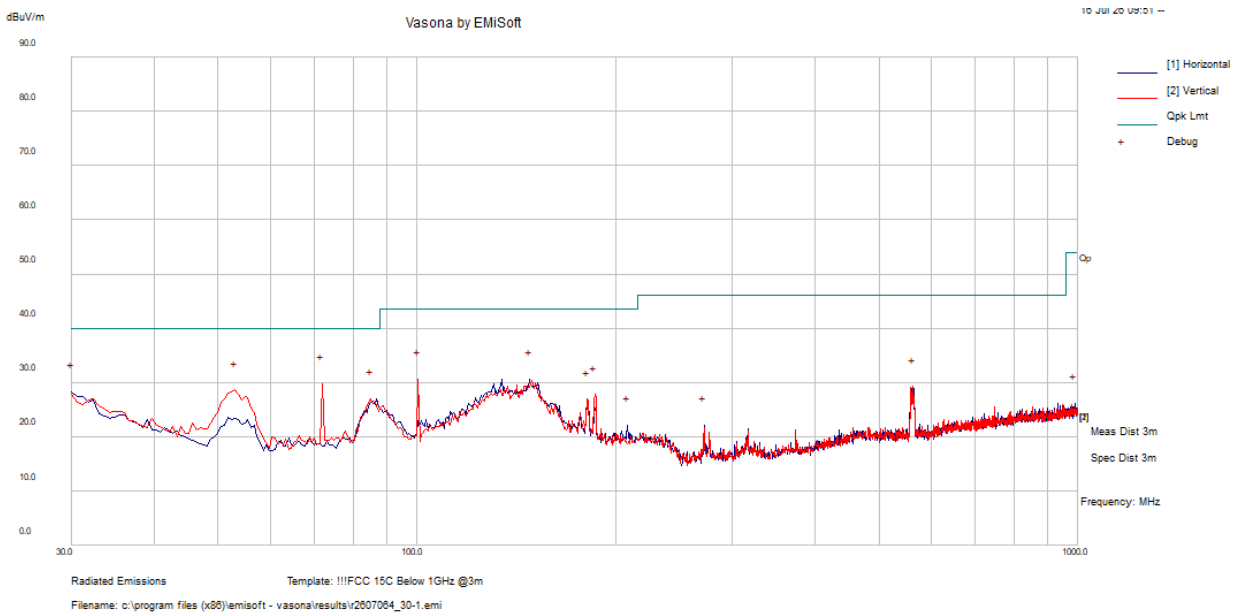
BLE + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
53.64375	53.5	-25.31	28.2	V	40	-11.8	Peak
30.60625	39.56	-11.65	27.91	V	40	-12.09	Peak
85.16875	52.64	-25.47	27.16	V	40	-12.84	Peak
150.6438	50.16	-20.23	29.93	V	43.5	-13.57	Peak
180.9563	48.29	-21.63	26.66	H	43.5	-16.84	Peak
186.4125	57.83	-21.53	26.29	V	43.5	-17.21	Peak

Note: Peak emissions are compared to QP limits to show worst-case compliance.

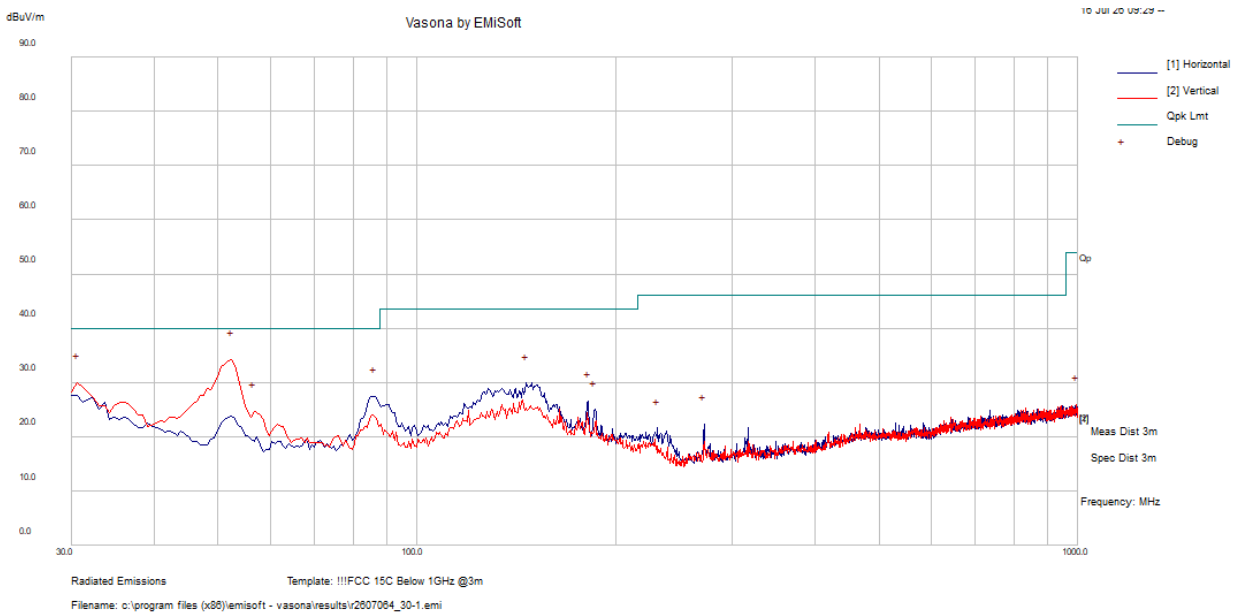
BT Classic + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
71.83125	54.1	-24.4	29.71	V	40	-10.3	Peak
53.0375	53.85	-25.3	28.55	V	40	-11.45	Peak
30	39.45	-11.2	28.25	H	40	-11.75	Peak
148.21875	50.71	-20.07	30.64	H	43.5	-12.86	Peak
100.325	52.45	-21.87	30.57	V	43.5	-12.93	Peak
85.16875	52.43	-25.47	26.96	V	40	-13.04	Peak

Note: Peak emissions are compared to QP limits to show worst-case compliance.

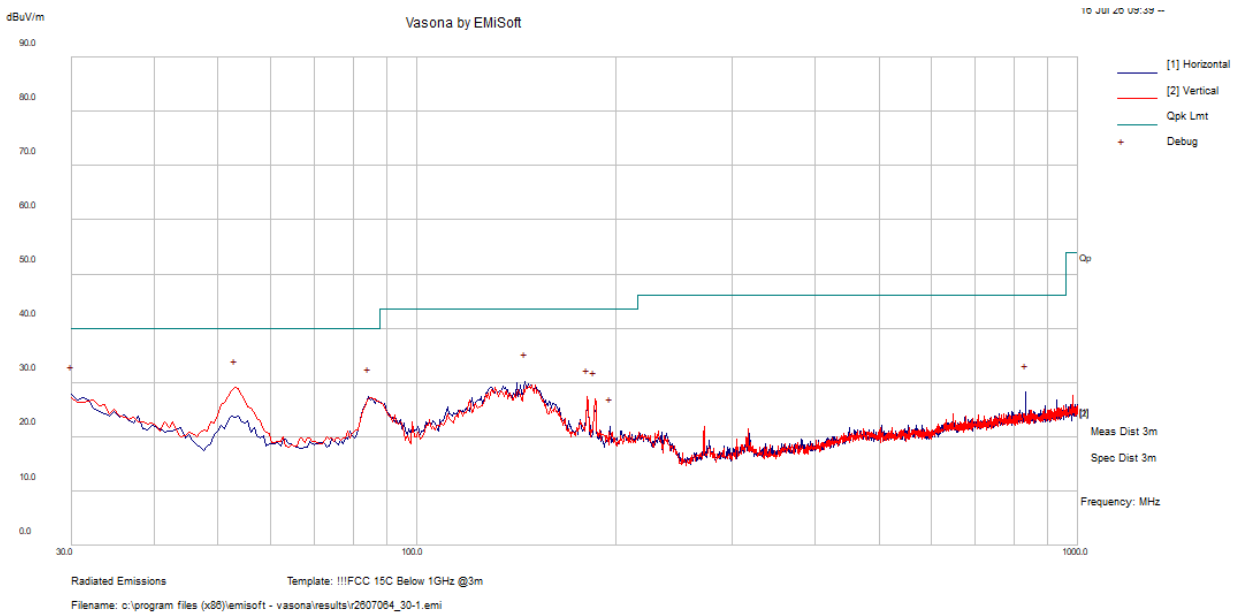
2.4GHz Wi-Fi + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
52.43125	59.42	-25.17	34.25	V	40	-5.75	Peak
30.60625	41.58	-11.65	29.94	V	40	-10.07	Peak
86.38125	52.84	-25.36	27.48	H	40	-12.53	Peak
146.4	49.95	-20.06	29.89	H	43.5	-13.61	Peak
56.675	49.95	-25.27	24.68	V	40	-15.32	Peak
181.5625	48.27	-21.64	26.62	H	43.5	-16.88	Peak

Note: Peak emissions are compared to QP limits to show worst-case compliance.

5GHz Wi-Fi + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
53.0375	54.28	-25.3	28.98	V	40	-11.02	Peak
30	39.11	-11.2	27.9	H	40	-12.1	Peak
84.5625	52.97	-25.51	27.46	H	40	-12.54	Peak
145.79375	50.25	-20.05	30.2	H	43.5	-13.3	Peak
180.95625	48.91	-21.63	27.28	V	43.5	-16.22	Peak
185.80625	48.43	-21.56	26.87	V	43.5	-16.63	Peak

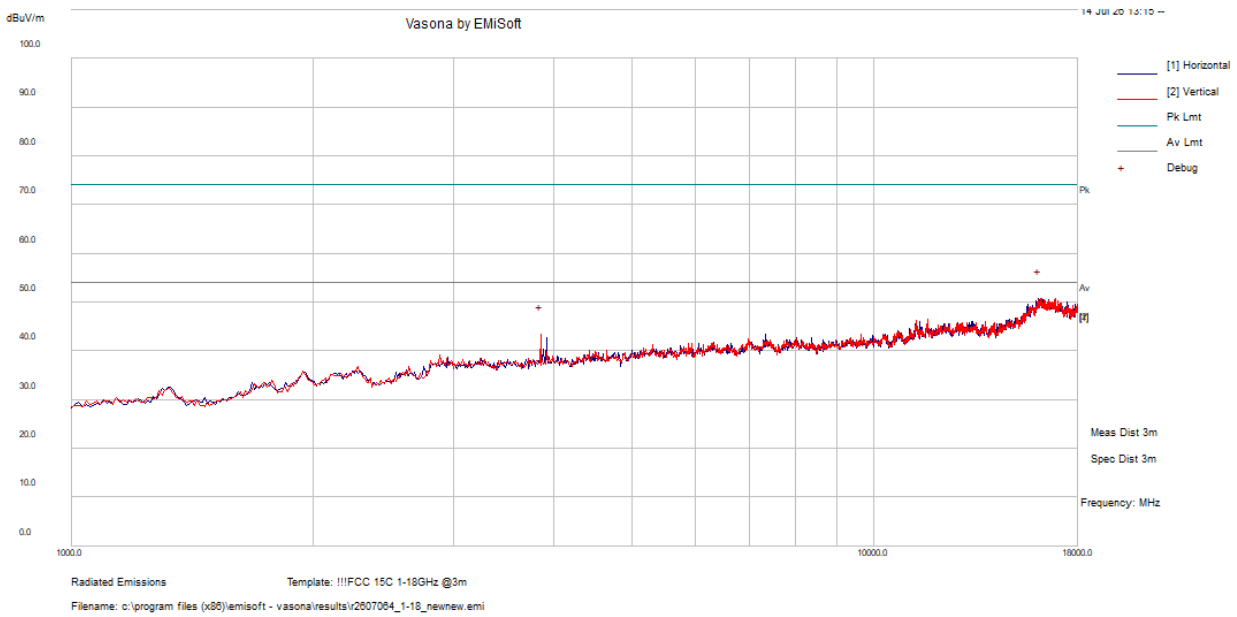
Note: Peak emissions are compared to QP limits to show worst-case compliance.

FCC/IC Limits for 1 GHz to 40 GHz			
Applicability	**(dBm)**	**(uV/m at 3meters)**	**(dBuV/m at 3meters)**
Restricted Band Average Limit	-	500	54
Restricted Band Peak Limit[1]	-	-	74

Note[1]: Restricted Band Peak Limit is defined to be 20dB higher than Average Limit.

3) 1 GHz – 18 GHz, Measured at 3 meters

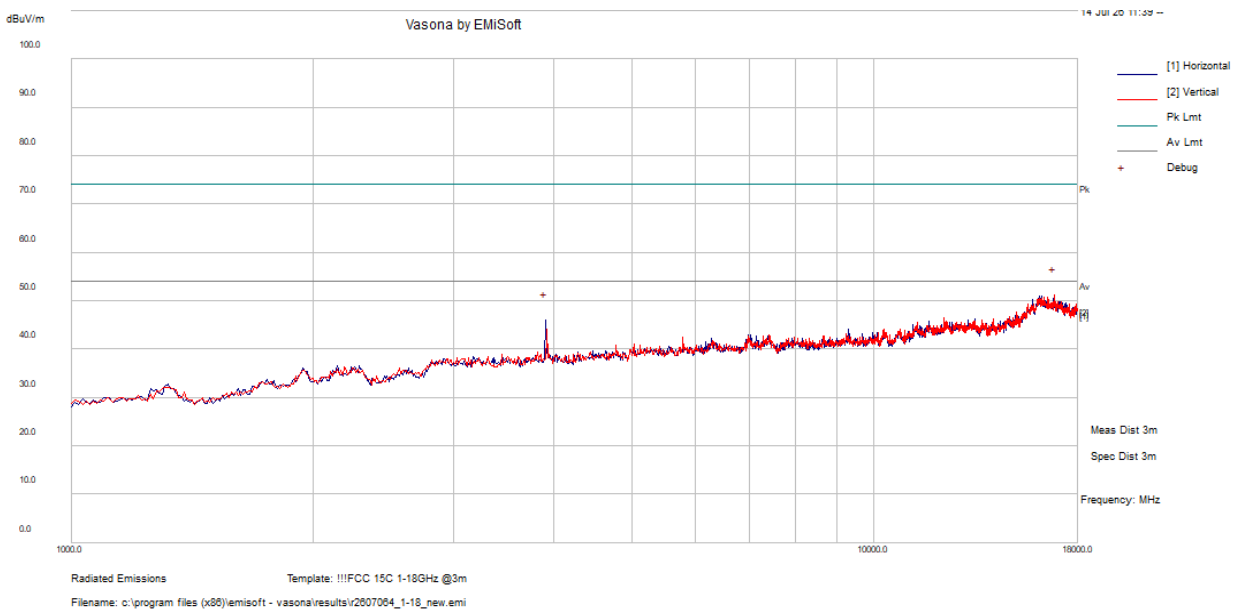
BLE + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
16076.88	34.95	15.78	50.73	H	54	-3.27	Peak
3847.5	45.82	-2.45	43.37	V	54	-10.63	Peak

Note: Peak emissions are compared to Average limits to show worst-case compliance.

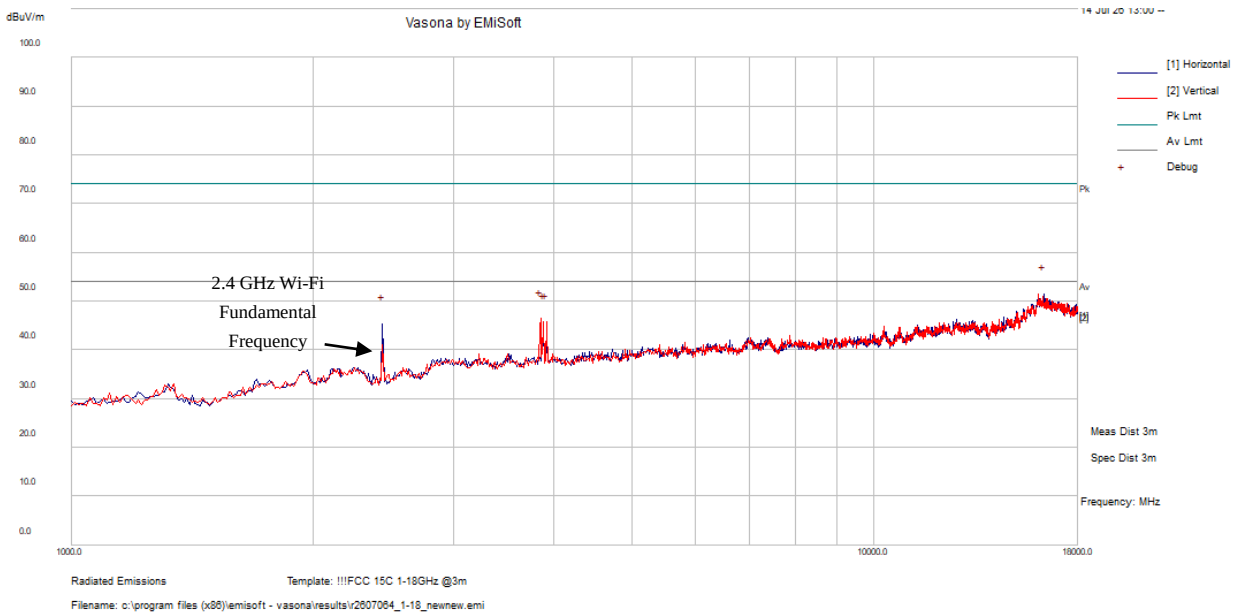
BT Classic + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
16799.38	35.78	-0.25	15.34	V	54	-2.88	Peak
3900.625	48.54	-9.58	-2.61	H	54	-8.08	Peak

Note: Peak emissions are compared to Average limits to show worst-case compliance.

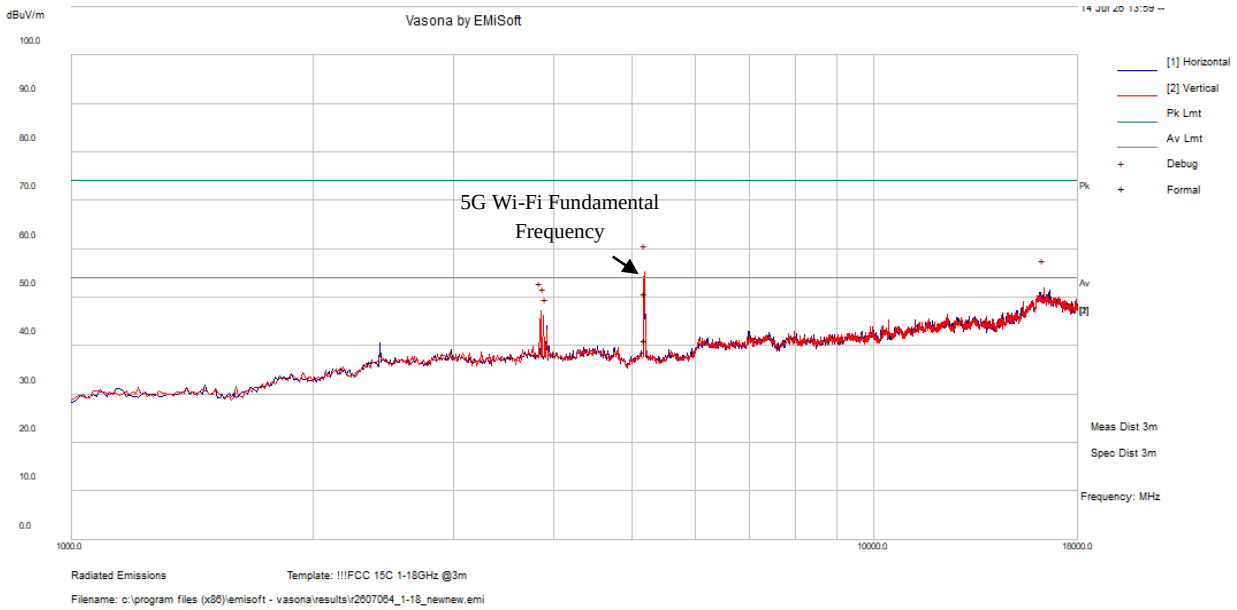
2.4GHz WiFi + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
16321.25	35.89	15.65	51.54	H	54	-2.46	Peak
3847.5	48.88	-2.45	46.43	V	54	-7.57	Peak
3911.25	48.22	-2.56	45.66	V	54	-8.34	Peak
3879.375	48.21	-2.55	45.66	V	54	-8.72	Peak

Note: Peak emissions are compared to Average limits to show worst-case compliance.

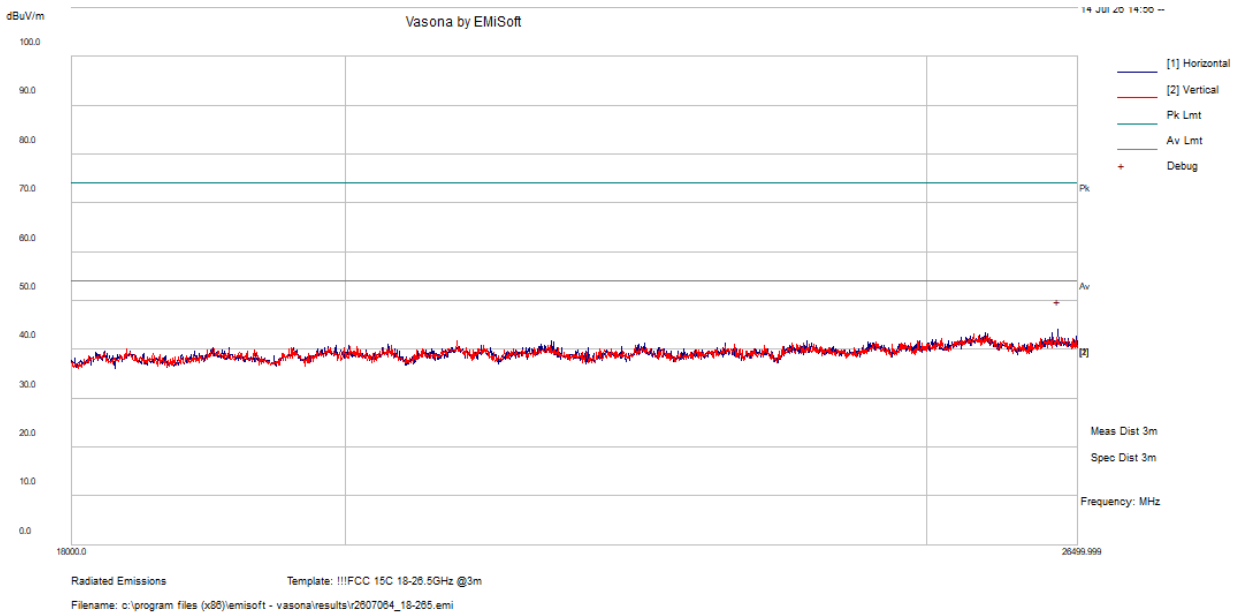
5GHz Wi-Fi + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
16321.3	36.35	15.65	52	V	54	-2	Average

4) 18 GHz – 26.5 GHz, Measured at 3 meters

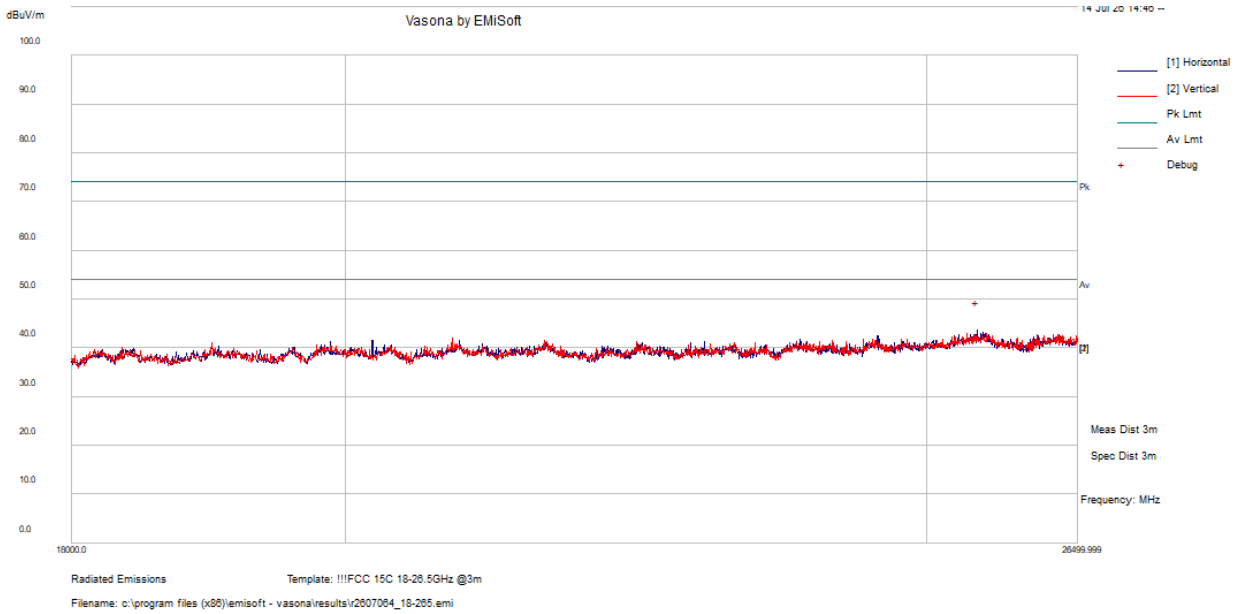
BLE + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
26298.12	44.2	0.03	44.23	H	54	-9.78	Peak

Note: Peak emissions are compared to average limits to show worst-case compliance.

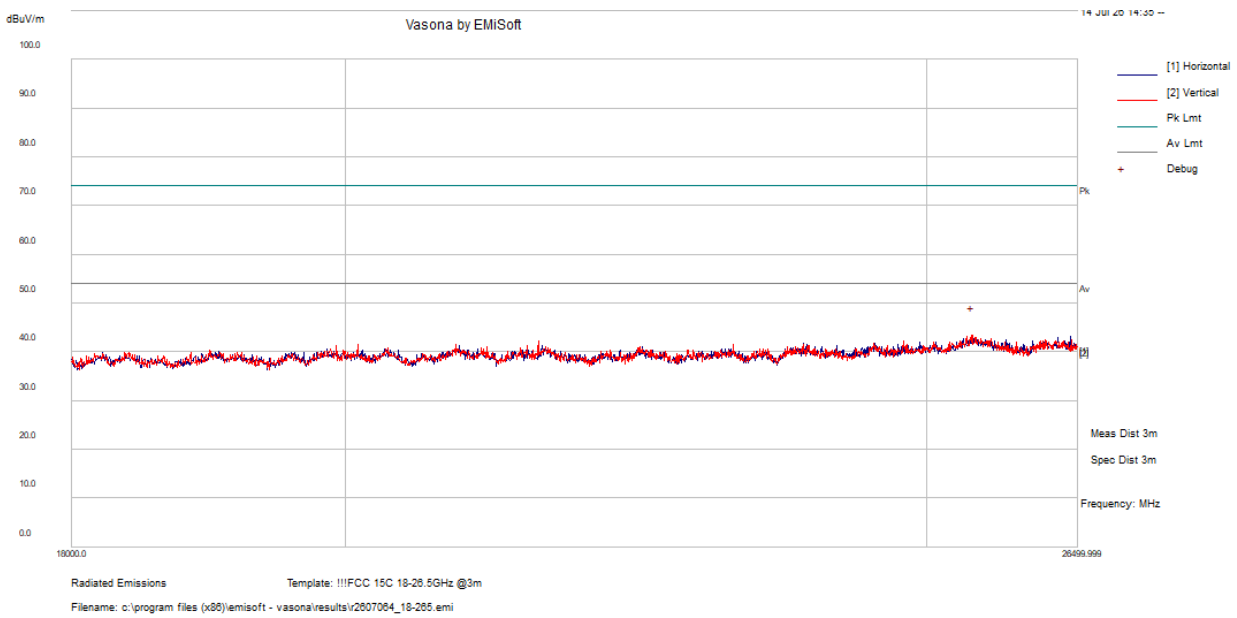
BT Classic + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
25490.62	43.25	0.47	43.72	H	54	-10.28	Peak

Note: Peak emissions are compared to average limits to show worst-case compliance.

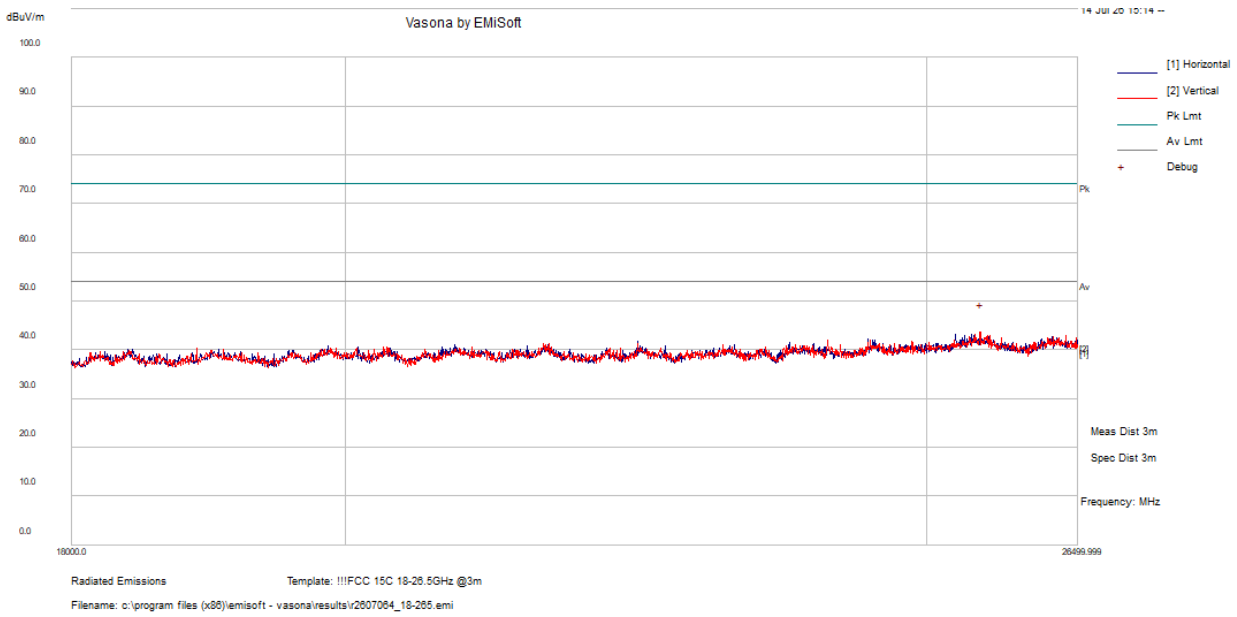
2.4GHz Wi-Fi + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
25448.2	43.14	0.3	43.44	V	54	-10.57	Peak

Note: Peak emissions are compared to average limits to show worst-case compliance.

5GHz Wi-Fi + RFID + LTE

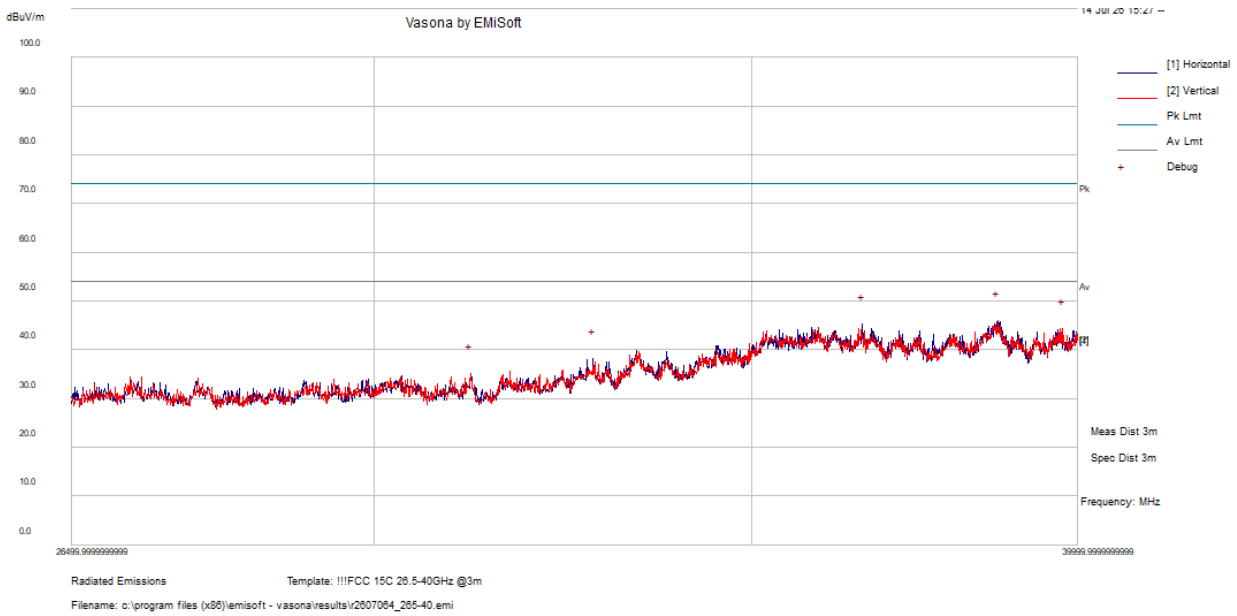


Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
25527.81	43.26	0.47	43.74	V	54	-10.26	Peak

Note: Peak emissions are compared to average limits to show worst-case compliance.

5) 26.5 GHz – 40 GHz, Measured at 3 meter

5GHz Wi-Fi + RFID + LTE



Frequency (MHz)	S.A. Reading (dBuV)	Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Antenna Polarity (H/V)	Limit (dBµV/m)	Margin (dB)	Detector
38709.06	36.85	9.24	46.08	V	54	-7.92	Peak
36625	35.4	9.93	45.33	H	54	-8.67	Peak
39755.31	35.58	8.79	44.37	V	54	-9.63	Peak
32802.81	32.6	5.72	38.32	H	54	-15.68	Peak
31199.69	29.92	5.2	35.12	V	54	-18.88	Peak

Note: Peak emissions are compared to Average limits to show worst-case compliance.

6 Appendix A (Normative) – EUT Test Setup Photographs

Please refer to the attachment.

7 Appendix B (Normative) – EUT External Photographs

Please refer to the attachment.

8 Appendix C (Normative) – EUT Internal Photographs

Please refer to the attachment.

9 Appendix D (Normative) – A2LA Electrical Testing Certificate

Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets A2LA R222 - Specific Requirements EPA ENERGY STAR Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 13th day of September 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3297.02
Valid to December 31, 2026
Revised August 26, 2026

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

Please follow the web link below for a full ISO 17025 scope.

https://www.a2la.org/scopepdf/3297-02.pdf

--- END OF REPORT ---