

FCC Test Report

FOR:

Crane Payment Innovations

Model Name: AIO2210-US101

Product Description:

ALIO Note is a card reader bezel that incorporates mag stripe, contact, and contactless card reader capabilities in support of unattended cashless sales. It is mechanically mounted on a bill acceptor during normal use further enhancing payment capability at the POS. It utilizes 4g CAT M (Telit module ME910G1WW) cellular radio, NFC (13.56 MHz) to read cards, and BLE (QUALCOMM CSR1010) to support diagnostic capability.

FCC ID: QP8ALIONOTEVZ

Applied Rules and Standards

Title 47 CFR: Part 15.225

REPORT #: EMC_MEIGR_011_21001_FCC_15.225_NFC **DATE:** 2021-04-23



A2LA Accredited

IC recognized # 3462B-1

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1 Assessment

The following device as further described in section 3 of this report was evaluated for unlicensed radio according to criteria specified in Code of Federal Regulations Title 47 CFR: Part 15.225.

No deviations were ascertained.

According to section 5 of this report, the overall result is PASS.

Company	Description	Model #
Crane Payment Innovations	ALIO Note is a card reader bezel that incorporates mag stripe, contact, and contactless card reader capabilities in support of unattended cashless sales. It is mechanically mounted on a bill acceptor during normal use further enhancing payment capability at the POS. It utilizes 4g CAT M (Telit module ME910G1WW) cellular radio, NFC (13.56 MHz) to read cards, and BLE (QUALCOMM QualCom CSR1010) to support diagnostic capability.	AIO2210-US101

Responsible for Testing Laboratory:

		Kevin Wang	
2021-04-23	Compliance	(Lab Manager)	
Date	Section	Name	Signature

Responsible for the Report:

			Yuchan Lu	
_	2021-04-23	Compliance	(Test Engineer)	
	Date	Section	Name	Signature

The test results of this test report relate exclusively to the test item specified in Section3.

CETECOM Inc. USA does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of CETECOM Inc. USA.

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2 Administrative Data

2.1 Identification of the Testing Laboratory Issuing the EMC Test Report

Company Name:	CETECOM Inc.
Department:	Compliance
Street Address:	411 Dixon Landing Road
City/Zip Code	Milpitas, CA 95035
Country	USA
Telephone:	+1 (408) 586 6200
Fax:	+1 (408) 586 6299
Lab Manager:	Kevin Wang
Responsible Project Leader:	Rami Saman

2.2 Identification of the Client

Applicant's Name:	Crane Payment Innovations
Street Address:	3222 Phoenixville Pike, Suite 200
City/Zip Code	Malvern, PA 19355
Country	USA

2.3 Identification of the Manufacturer

Manufacturer's Name:	
Manufacturers Address:	Same as Client
City/Zip Code	Same as Cilent
Country	

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3 Equipment Under Test (EUT)

3.1 EUT Specifications

Firmware Version Identification Number (FVIN):	N/A
Hardware Version Identification Number (HVIN):	AIO2210-US101
Product Marketing Name (PMN):	ALIO
Frequency Range / number of channels:	13.56 MHz / 1 Channel
Type(s) of Modulation:	ASK
Modes of Operation:	RFID
Antenna Information as declared:	The RFID antenna is a two loop antenna located inside the ALIO Note enclosure and wraps around the outer edges of the display glass. The antenna utilizes magnetic-field coupling in the near field to read the card tag in the RFID Card presented.
Max. Output Powers:	1.4 W
Power Supply/ Rated Operating Voltage Range:	Vmin: 20 VDC/ Vnom: 24 VDC / Vmax: 42 VDC
Operating Temperature Range:	Low -15°C, Nominal 25°C, High 60°C
Sample Revision:	☐ Prototype Unit; ■ Production Unit; ☐ Pre-Production
EUT Dimensions [mm]:	167.6 x 76.2 x 88.9
EUT Diameter:	■ < 60 cm □ Other

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RFID Module Information		
Module Name:	ST25R3911B	
Other Radios included in the device:	 LTE Manufacture: Telit Module name/number: ME910G1-WW FCC ID: RI7ME910G1WW Classic BT, BLE, ANT Manufacture: Qualcomm Module name/number: CRS 1010 QFN 	

3.2 EUT Sample details

EUT#	Serial Number	HW Version	SW Version	Notes / Comments
1	4200000149	G1	5.X	Radiated Emissions

3.3 Accessory Equipment details

AE#	Туре	Manufacture	Model	P/N
1	Switching Adapter	Sunny Computer Technology	SYS1548-6524-T2	G160305126068
2	Vending demo tester	-	-	-
3	RXIA PCB	-	-	-

3.4 Support Equipment

SE#	Description	
1	Router, Manufacture: tp-link, Model: TL-WR841N	
2	BLE interface PCB	
3	Laptop, Manufacture: DELL, Model: Latitude E5470	

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3.5 Test Sample Configuration

Set-up #	Combination of AE used for test set up	Comments
1	EUT#1 + AE#1 + AE#2 + AE#3	-

3.6 Mode of Operation details

Mode of Operation	Description of Operating modes	Additional Information
Op. 1	RFID ASK	Client provided a test mode and instructions to get the ability to configure the radio to:

3.7 Justification for Worst Case Mode of Operation

During the testing process the EUT was tested with transmitter sets the highest duty cycle, maximum output power and worst case of protocols supported.

For radiated measurements, all data in this report shows the worst case between horizontal and vertical antenna polarizations and for all orientations of the EUT.

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4 Subject of Investigation

The objective of the measurements done by CETECOM Inc. was to assess the performance of the EUT according to the relevant requirements specified in Code of Federal Regulations Title 47 CFR: Part 15.225.

This test report is to support a request for new equipment authorization under the:

• FCC ID: QP8ALIONOTEVZ

4.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus, with 95% confidence interval (in dB delta to result), based on a coverage factor k=1.

Radiated measurement

According to TR 102 273 a multiplicative propagation of error is assumed for RF measurement systems. For this reason the RMS method is applied to dB values and not to linear values as appropriate for additive propagation of error. Also used: http://physics.nist.gov/cuu/Uncertainty/typeb.html. The above calculated uncertainties apply to direct application of the Substitution method. The Substitution method is always used when the EUT comes closer than 3 dB to the limit.

4.2 Environmental Conditions during Testing:

The following environmental conditions were maintained during the course of testing:

- Ambient Temperature: 20-25° C
- Relative humidity: 40-60%

4.3 Dates of Testing:

03/11/2021 - 03/16/2021

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5 Measurement Results Summary

Test Specification	Test Case	Temperature and Voltage Conditions	Mode	Pass	NA	NP	Result
§15.225 (a), (b), (c)	Field Strength (Fundamental)	Nominal	ASK				Complies
§15.225 (d) §15.209 (a)	TX Spurious emissions-Radiated	Nominal	ASK				Complies
§15.225(e)	Frequency stability	Extreme temperature and voltage conditions	ASK				Complies

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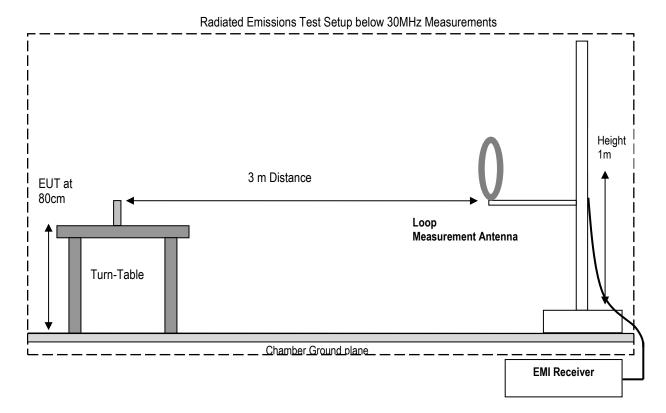


6 Measurement Procedures

6.1 Radiated Measurement

The radiated measurement is performed according to ANSI C63.10 (2013)

- The exploratory measurement is accomplished by running a matrix of 16 sweeps over the required frequency range with R&S Test-SW EMC32 for 360° continuous measurement of the turntable, two orthogonal positions of the EUT and both antenna polarizations. This procedure exceeds the requirement of the above standards to cover the 3 orthogonal axis of the EUT. A max peak detector is utilized during the exploratory measurement. The Test-SW creates an overall maximum trace for all 12 sweeps and saves the settings for each point of this trace. The maximum trace is part of the test report.
- The 10 highest emissions are selected with an automatic algorithm of EMC32 searching for peaks in the noise floor and ensuring that broadband signals are not selected multiple times.
- The maxima are then put through the final measurement and again maximized in a 90deg range of the turntable, fine search in frequency domain and height scan between 1m and 4m.
- The above procedure is repeated for all possible ways of power supply to EUT and for all supported modulations.
- In case there are no emissions above noise floor level only the maximum trace is reported as described above.
- The results are split up into up to 4 frequency ranges due to antenna bandwidth restrictions. A magnetic loop is used from 9 kHz
 to 30 MHz, a Biconilog antenna is used from 30 MHz to 1 GHz, and two different horn antennas are used to cover frequencies up
 to 40 GHz.



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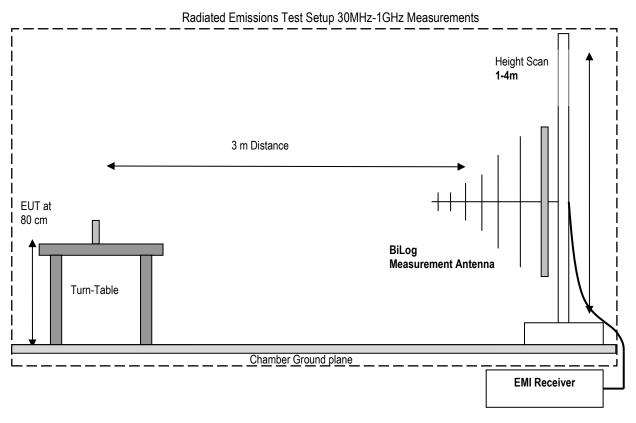
FCC ID: QP8ALIONOTEVZ

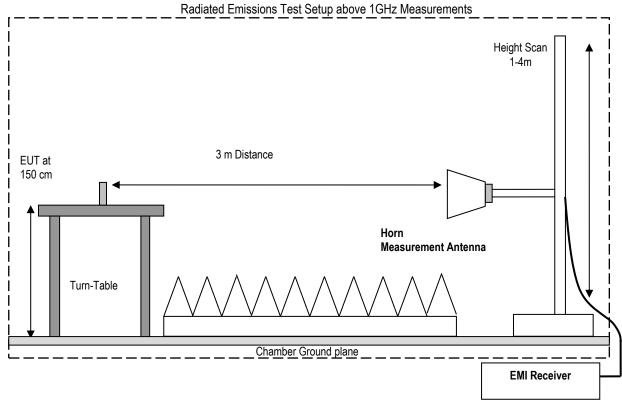
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6.1.1 Sample Calculations for Field Strength Measurements

Field Strength is calculated from the Spectrum Analyzer/ Receiver readings, taking into account the following parameters:

- Measured reading in dBμV
- 2. Cable Loss between the receiving antenna and SA in dB and
- 3. Antenna Factor in dB/m

All radiated measurement plots in this report are taken from a test SW that calculates the Field Strength based on the following equation:

FS (dB μ V/m) = Measured Value on SA (dB μ V) + Cable Loss (dB) + Antenna Factor (dB/m)

Example:

Frequency (MHz)	Measured SA (dBµV)	Cable Loss (dB)	Antenna Factor Correction (dB)	Field Strength Result (dBµV/m)
1000	80.5	3.5	14	98.0

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7 Test Result Data

7.1 Field strength

7.1.1 References

FCC Part 15 Subpart C-Intentional Radiators

§15.225 Operation within the band 13.110-14.010 MHz

- (a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- (c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

• RSS-210 – License-Exempt Radio Apparatus:

Category I Equipment

B.6 Band 13.110-14.010 MHz

- a. the field strength of any emission shall not exceed the following limits:
 - i. $15.848 \text{ mV/m} (84 \text{ dB}\mu\text{V/m})$ at 30 m, within the band 13.553-13.567 MHz
 - ii. $334 \,\mu\text{V/m} (50.5 \,\text{dB}\mu\text{V/m})$ at 30 m, within the bands $13.410\text{-}13.553 \,\text{MHz}$ and $13.567\text{-}13.710 \,\text{MHz}$
 - iii. $106 \mu V/m (40.5 dB\mu V/m)$ at 30 m, within the bands 13.110-13.410 MHz and 13.710-14.010 MHz
 - iv. RSS-Gen general field strength limits for frequencies outside the band 13.110-14.010 MHz

7.1.2 Limits

According to ANSI C63.10-2013 Section 6.4.4

➤ Equation (1):

dnear field = 47.77 / f MHz **d**near field ≈ 3.5 meters

Equation (2)

FSlimit = FSmax - 40log (dnear field / dmeasure) - 20log (dlimit / dnear field)

The limit applied to the measurement result, is converted to 3 meters, by using:

- 40 dB/decade extrapolation factor for distance < λ/2π and;
- 20 dB/decade extrapolation factor for distance > $\lambda/2\pi$

Where:

FSlimit : is the calculation of field strength at the limit distance, expressed in dBμV/m
 FSmax : is the measured field strength, expressed in dBμV/m ≈ 84 dBμV/m (See note 1)

• **d**near field : is the $\lambda/2\pi$ distance ≈ 3.5 meters

dmeasure : is the distance of the measurement point from the EUT = 3 meters

dlimit : is the reference limit distance = 30 meters

Note 1: The maximum allowed field strength; 15.848 mV/m (84 dBµV/m), were used as FSmax to adjust the mask limit at the measured distance, so equation (2) will be:

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FSlimit = FSmax + 40log (dnear field / dmeasure) + 20log (dlimit / dnear field)

• Within the band 13.553-13.567 MHz

FSlimit = 84 + 18.7 + 2.7

FSlimit = $105.4 \text{ dB}\mu\text{V/m}$ at 3 meters

• Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz

FSlimit = 50.5 + 18.7 + 2.7

FSlimit = $71.9 \text{ dB}\mu\text{V/m}$ at 3 meters

• Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz

FSlimit = 40.5 + 18.7 + 2.7

FSlimit = $61.9 \text{ dB}\mu\text{V/m}$ at 3 meters

7.1.3 Test conditions and setup:

Ambient Temperature	EUT operating mode	Power Input
22° C	Op.1	110 VAC

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Final_Result PK+

7.1.4

Measurement plots: Plot # 1 Field strength NFC 13.56 MHz Final_Result Frequency (MHz) Bandwidth Margin Meas. Time Height Azimuth Corr. Comment (dBµV/m) (dBµV/m) (dB) (kHz) (dB/m) (ms) (cm) (deg) 140.0 H 140.0 H 140.0 H 13.349 54.23 62.04 7.81 1000.0 3.000 93.0 -17.5 54.93 1000.0 3.000 13.453 71.97 17.04 284.0 -17.5 13.772 57.74 61.76 4.02 1000.0 3.000 88.0 -17.6 120_T 110 100 90-Level in dBµV/m 80 70 FCC 15.225 Fundamental converted to 3m_updated 60 50-40-30-20-13.2 13.5 13.6 13.11 13.3 13.4 13.7 13.8 13.9 14.01 Frequency in MHz

Preview Result 1-PK+ FCC 15.225 Fundamental converted to 3m_updated

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7.2 Frequency Stability

7.2.1 References and limits

• FCC Part 15 Subpart C-Intentional Radiators

§15.225 Operation within the band 13.110-14.010 MHz

(e) The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

RSS-210 – License-Exempt Radio Apparatus:

Category I Equipment

B.6 Band 13.110-14.010 MHz: the carrier frequency stability shall not exceed ±100 ppm

7.2.2 Measurement procedure

Measurements were done according to ANSI C63.10-2013 Section 6.8 Frequency stability tests

7.2.3 Measurement results

The following formula used for PPM calculation:

 $PPM = ((RCF / ACF) - 1) * 10^6$

Where:

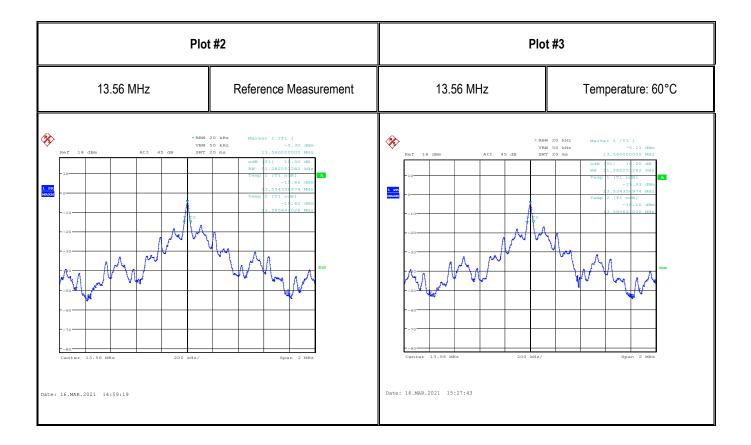
RCF : Reference Center Frequency. ACF : Assigned Center Frequency.

Variation = RCF – ACF

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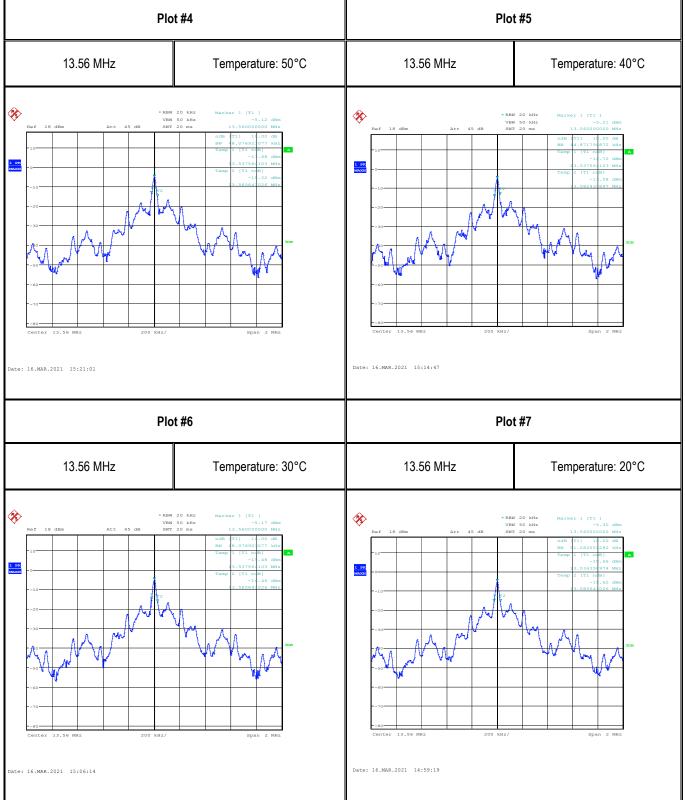


equency stability with respect to ambient temperature									
Plot #	Temperature	RCF	ACF	Variation	PPM				
2	-	13.56	-	-	-				
3	60		13.56	0.000000	0				
4	50		13.5616025	-0.001602	-118.1645016				
5	40		13.56	0.000000	0				
6	30		13.5616025	-0.001602	-118.164501				
7	20	13.56	13.56	0.000000	0				
8	10		13.5616025	-0.001602	-118.164501				
9	0		13.5616026	-0.001603	-118.171874				
10	-5		13.56	0.000000	0				
11	-15		13.5616026	-0.001603	-118.171874				



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Plot #8 Plot #9 13.56 MHz Temperature: 10°C 13.56 MHz Temperature: 0°C **%** Date: 16.MAR.2021 14:53:19 Date: 16.MAR.2021 14:47:29 Plot #10 Plot #11 Temperature: -10°C 13.56 MHz 13.56 MHz Temperature: -20°C **%** Date: 16.MAR.2021 14:39:06 Date: 16.MAR.2021 14:42:27

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7.3 Transmitter Spurious Emissions and Restricted Bands

7.3.1 Measurement according to ANSI C63.10

Analyzer Settings:

- Frequency = 9 KHz 30 MHz
- RBW = 9 KHz
- Detector = Peak
- Frequency = 30 MHz 1 GHz
- Detector = Peak / Quasi-Peak
- RBW = 120 KHz (<1 GHz)
- Frequency > 1 GHz
- Detector = Peak / Average
- RBW = 1MHz

Plots reported here represent the worst case emissions for horizontal and vertical antenna polarizations and for three orientations of the EUT. Unless mentioned otherwise, the emissions outside the limit lines in the plots are from the transmit signal.

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7.3.2 Limits: FCC 15.247(d)/15.209(a) /RSS-Gen 6.13

MHz	MHz MHz		GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

- 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)).
- PEAK LIMIT= 74dB μV/m
- AVG. LIMIT= 54dB μV/m
- Except as shown in CFR 47 Part 15.205 paragraph (d), only spurious emissions are permitted in any of the frequency bands listed below

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Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	0.490-1.705 24000/F(kHz) 3	
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

Radiated spurious emissions shall be measured for the transmit frequencies, transmit power, and data rate for the lowest, middle and highest channel in each frequency band of operation and for the highest gain antenna for each antenna type, and using the appropriate parameters and test requirements described in 5.4.

The highest (or worst-case) data rate shall be recorded for each measurement.

For testing at distance other than the specified in the standard, the limit conversion is calculated by using 40 dB/decade extrapolation as follow:

Conversion factor (CF) = 40 log (D/d) = 40 log (300 m / 3 m) = 80 dB

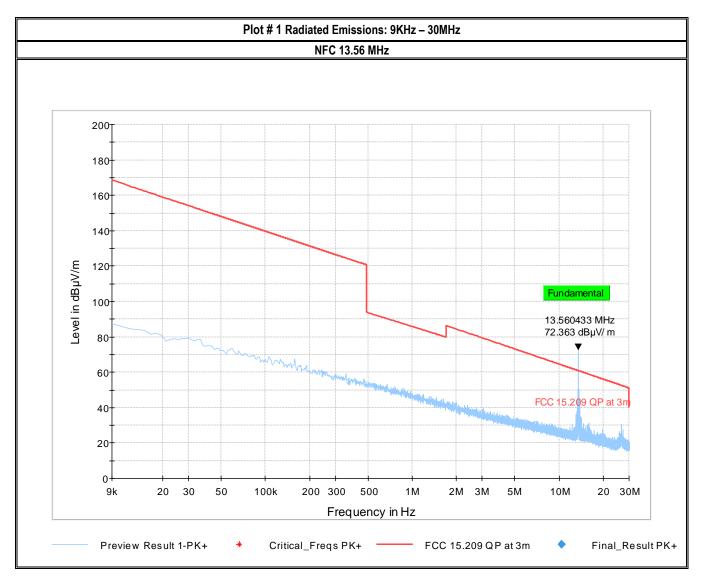
7.3.3 Test conditions and setup:

Ambient Temperature	EUT operating mode	Power Input
22° C	Op.1	110 VAC

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7.3.4 Measurement Plots:



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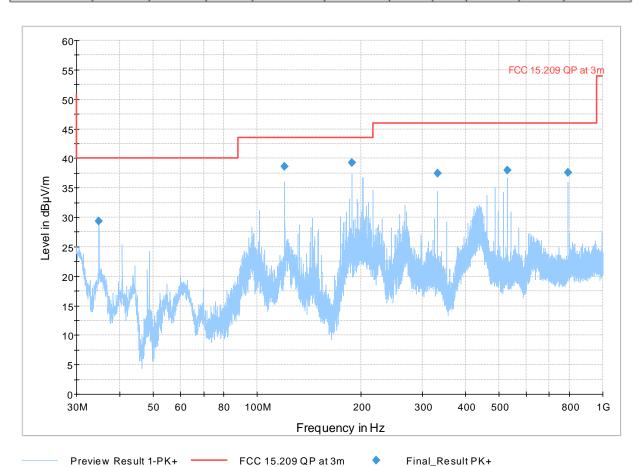


Plot # 2 Radiated Emissions: 30MHz - 1GHz

NFC 13.56 MHz

Final_Result

· ······_										
Frequency	MaxPeak	Limit	Margin	Meas. Time	Bandwidth	Height	Pol	Azimuth	Corr.	Comment
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(kHz)	(cm)		(deg)	(dB/m)	
34.818	29.40	40.00	10.60	1000.0	100.000	170.0	V	276.0	-16.9	
119.984	38.58	43.50	4.92	1000.0	100.000	202.0	Н	291.0	-22.4	
188.110	39.25	43.50	4.25	1000.0	100.000	140.0	Н	281.0	-20.7	
331.993	37.45	46.02	8.57	1000.0	100.000	140.0	Н	144.0	-15.6	
528.030	37.97	46.02	8.05	1000.0	100.000	170.0	Н	-12.0	-9.2	
792.032	37.66	46.02	8.36	1000.0	100.000	161.0	V	11.0	-5.8	



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7.4 AC Power Line Conducted Emissions

7.4.1 Measurement according to ANSI C63.10 (2013)

Analyzer Settings:

• RBW = 9 KHz (CISPR Bandwidth)

Pre-scan Detector = Peak / Average for

• Final Measurements Detector = Quasi-Peak / Average

7.4.2 Limits: FCC 15.207

(a) Except as shown in paragraphs (b) and (c) of this section of the CFR, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table (1), as measured using a $50 \,\mu\text{H}/50$ ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between frequency ranges.

Eraguanay of amission (MU=)	Conducted limit (dBµV)			
Frequency of emission (MHz)	Quasi-peak	Average		
0.15–0.5	66 to 56*	56 to 46*		
0.5–5	56	46		
5–30	60	50		

^{*}Decreases with the logarithm of the frequency.

7.4.3 Test conditions and setup:

Ambient Temperature (C)	EUT Set-Up#	EUT operating mode	Power line (L1, L2, L3, N)	Power Input
22	1	Op.1	Line & Neutral	110 V / 60 Hz

7.4.4 Measurement Result:

Plot #	Port	EUT Set-Up#	EUT operating mode	Scan Frequency	Limit	Result
1	AC Mains	1	Op.1	150 kHz – 30 MHz	See section 7.4.2	Pass

7.4.5 Measurement Plots:

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Plot #1

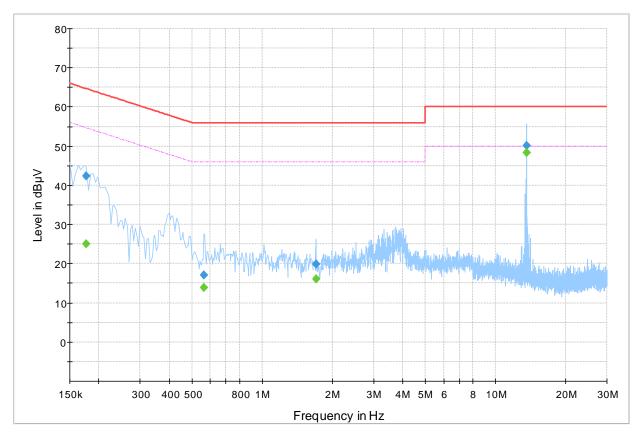
FCC ID: QP8ALIONOTEVZ

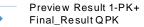
Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.

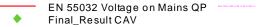
Final_Result

Date of Report

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)	Comment
0.176		24.99	54.66	29.67	500.0	9.000	L1	GND	10.6	
0.176	42.31		64.66	22.35	500.0	9.000	L1	GND	10.6	
0.563		13.83	46.00	32.17	500.0	9.000	L1	GND	10.0	
0.563	17.04		56.00	38.96	500.0	9.000	L1	GND	10.0	
1.700		16.12	46.00	29.88	500.0	9.000	L1	GND	10.1	
1.700	19.80		56.00	36.20	500.0	9.000	L1	GND	10.1	
13.556		48.32	50.00	1.68	500.0	9.000	L1	GND	10.2	
13.556	50.11		60.00	9.89	500.0	9.000	L1	GND	10.2	







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8 Test setup photos

Setup photos are included in supporting file name: "EMC_MEIGR_011_21001_FCC_Setup_Photos.pdf"

9 Test Equipment And Ancillaries Used For Testing

Equipment Type	Manufacturer	Model	Serial #	Calibration Cycle	Last Calibration Date
ACTIVE LOOP ANTENNA	ETS LINDGREN	6507	00161344	3 YEARS	10/30/2020
BILOG ANTENNA	ETS.LINDGREN	3142E	00166067	3 YEARS	03/12/2020
HORN ANTENNA	EMCO	3115	00035114	3 YEARS	08/10/2020
HORN ANTENNA	ETS.LINDGREN	3117	00215984	3 YEARS	01/31/2021
HORN ANTENNA	ETS.LINDGREN	3116	00070497	3 YEARS	11/23/2020
SPECTRUM ANALYZER	R&S	FSU26	200065	3 YEARS	07/16/2019
SIGNAL ANALAYZER	R&S	FSV 40	101022	3 YEARS	07/15/2019
TEST RECEIVER	R&S	ESU.EMI	100256	3 YEARS	07/16/2019
COMPACT DIGITAL BAROMETER	CONTROL COMPANY	10510-922	200236891	3 YEARS	04/13/2020
DIGITAL THRMOMETER	CONTROL COMPANY	36934-164	181230565	3 YEARS	01/10/2019
LINE IMPEDANCE STABILIZATION NETWORK	FCC	FCC-LISN-50-25-2-08	08014	3 YEARS	07/19/2019

Note: Equipment used meets the measurement uncertainty requirements as required per applicable standards for 95% confidence levels.

Calibration due dates, unless defined specifically, falls on the last day of the month. Items indicated "N/A" for cal status either do not specifically require calibration or is internally characterized before use.

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10 Revision History

Date	Report Name	Changes to report	Report prepared by	
2021-04-23	EMC_MEIGR_011_21001_FCC_15.225_NFC	Initial Version	Yuchan Lu	

<<The End>>