

May 1, 2026

Zoox Inc.
Justin Chua
1149 Chess Drive
Foster City, CA 94404

Dear Zoox Inc.,

Enclosed is the Electromagnetic Compatibility for the Zoox Inc., Rovebot Remote Controller (RRC), tested to the requirements of:

- FCC 47 CFR §15.225

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

Sincerely,

Rheine Nguyen

Documentation Department
Eurofins E&E Testing NA, LLC.

Reference: WIRS138807-FCC 15.225



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

Report Status Sheet

Revision	Report Date	Reason for Revision
Ø	May 1, 2026	Initial Issue.

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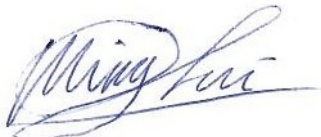
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1.0 Testing Summary

The Zoox Inc., Rovebot Remote Controller (RRC) was found to be compliant to the following specification(s).

- FCC 47 CFR §15.225



Chin Ming Lui
Senior Wireless Test Engineer

Engineering Statement: The measurements shown in this report were made in accordance with the procedures indicated. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements.

Summary of Tests

Test Item	FCC Part	Result
Fundamental Field Strength	§15.225(a)(b)(c)	Complies
Radiated Spurious Emissions	§15.225(d)	Complies
Frequency Tolerance	§15.225(e)	Complies
20 dB Bandwidth	§15.215(c)	Complies

2.0 Overview

Eurofins E&E Testing NA, LLC. was contracted by Zoox Inc. to perform testing on the Rovebot Remote Controller (RRC), under purchase order number 4300042131.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of Zoox Inc., Rovebot Remote Controller (RRC).

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

Model(s) Tested:	Rovebot Remote Controller (RRC)
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2.1 Test Site

All testing was performed at Eurofins E&E Testing NA, LLC., 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 E&E Testing NA, LLC. has been accredited by the American Association for Laboratory Accreditation (A2LA) (Certificate #: 0591.02) in accordance with ISO/IEC 17025:2017.

2.2 FCC ID

FCC ID of unit: 2BNNA-RRC7878

FCC ID of module: 2BNNA-91167878

2.3 Equipment Overview and Test Configuration

Name of EUT/Model:	Rovebot Remote Controller
Additional Models Covered, but not tested:	N/A
Description of EUT and Intended Use:	The Rovebot Remote Controller (RRC) is a proprietary technology developed by Zoxx to facilitate a seamless and manual method of controlling the Zoxx vehicles. RRC is used to manually control the Zoxx vehicles around the manufacturing line, test tracks, depots and in emergency situations.
Radio Specifications:	13.56 MHz NFC
Mode(s) of Operation:	13.56 MHz NFC
Rationale for the selection of the Operation Mode(s):	Exercised in continuous operation mode
Monitoring Method(s):	N/A
Configuration(s):	N/A
EUT Power Requirement	
Voltage:	3.7V (Battery Operated)
AC or DC	DC (Battery Operated)
Voltage Frequency:	DC (Battery Operated)
Number of Phases:	N/A
Amperage:	2A max
Physical Description	
EUT Arrangement:	Battery Operated
System with Multiple Chassis:	No
Size (HxWxD) inches:	8.87 x 8.15 x 2.24 inches
Weight (lbs):	1.43lb
Emissions Class Declaration:	A
Other Info:	
Highest frequency used in device:	5825 MHz (5 GHz WiFi U-NII-3 Channel 165)
EUT Software (internal to EUT):	Yes
Support Software (used by support PC to exercise EUT):	NFC RF Test Mode

Note: EUT information was provided by Zoxx, Inc.

Equipment Configuration List

Name/Description	Part Number	Serial Number	Rev. #
Rovebot Remote Controller	P00007878-02	26072 00001	D

Note: Equipment Configuration information was provided by Zoox, Inc.

Support Equipment List

Name/Description	Manufacturer	Model	Serial Number
Test Laptop	Lenovo	ThinkPad	183UB3

Note: Support Equipment information was provided by Zoox, Inc.

Ports and Cabling List

N/A

Antenna Information

Radio	Antenna Type	Manufacturer	Part No	Frequency Range	Peak Gain
WiFi (Internal)	Chip Antenna	Silicon Labs	RS9116 CC0	2412MHz - 2462MHz 5180MHz - 5240MHz 5260MHz - 5320MHz (future use)	0.712 dBi (2.4GHz), 1.25 dBi (5.0GHz)
WiFi (External)	Flat Patch	Taoglas	FXP840.07.0055B	5500MHz - 5700MHz (future use) 5745MHz - 5825MHz	3.35dBi (2.4GHz), 3.37dBi (5.0GHz)
NFC	FPC Coil Antenna	Molex	RFID ANTENNA 13.56MHZ NFC	13.56MHz	-

Note: Antenna information was provided by Zoox, Inc. Eurofins E&E Testing NA, LLC did not test or verify the accuracy of the antenna information.

2.4 Modifications to the EUT

No modifications were made to the EUT.

2.5 Modifications to the Standard

No modifications were made to the Test Standard.

2.6 Disposition of EUT

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

3.0 Electromagnetic Compatibility Criteria

3.1 Radiated Emissions

Test Standard:	FCC 47 CFR §15.225(a)(b)(c)(d) (a) Field strength of any emissions within the band 13.553-13.567 MHz (b) Field strength of any emissions within the band 13.410-13.553 MHz and 13.567-13.710 MHz (c) Field strength of any emissions within the band 13.110-13.410 MHz and 13.710-14.010 MHz (d) Field strength of any emissions outside the 13.110-14.010 MHz band FCC 47 CFR §15.209 General radiated emission limits ANSI C63.10-2020 Measurement procedures for unlicensed intentional radiators.
Test Method:	Radiated fundamental field strength, spurious, and harmonic emissions from the 13.56 MHz NFC radio were measured in a semi-anechoic chamber in accordance with ANSI C63.10-2020. The NFC transmitter was exercised on frequency 13.56 MHz. Emissions from 9 kHz up to at least the 10th harmonic of the highest fundamental were scanned and the same measurement data were used to demonstrate compliance with both FCC 15.225/15.209 limits.
Test Procedure:	For the 13.56 MHz NFC radio, the EUT was configured for continuous transmission. The EUT was placed on a non-conductive support 0.8 m above the ground plane for below 1 GHz scans on a motorized turntable in a semi-anechoic chamber, with all required support equipment and load connected to represent normal operation. Radiated emissions were measured at a 3m distance from 9 kHz to 1 GHz using appropriate loop and biconical/log-periodic antennas. For each significant emissions, the turntable was rotated through 0-360° and the receive antenna height was varied from 1 m to 4 m in both horizontal and vertical polarizations to maximize the received level. Below 1 GHz, emissions were measured with CISPR quasi-peak detector and bandwidths. Analyzer readings were corrected for antenna factors, cable losses, pre-amplifier gain, and distance to obtain the final field-strength or EIRP values reported for FCC compliance. The EUT was first evaluated for three orientations (flat, stand-up, side) to determine which orientation yields the worst-case fundamental field strength. The worst-case orientation was confirmed with the EUT flat and radiated measurements were performed with this setup.

Test Results:

Test Standard:	FCC 47 CFR §15.225
Test Name	Radiated Emissions
Test Dates:	03/27/2026
Laboratory	Eurofins E&E Testing NA, LLC.
Test Engineer:	Chin Ming Lui
Test Results:	Compliant
Ambient Temperature (°C):	22.6
Relative Humidity (%):	49
Atmospheric Pressure (kPa):	101.8

Test Data (FCC 15.225 Radiated Emissions)

Fundamental Field Strength (13.110 – 14.010 MHz In-Band Emissions)

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
13.55946	QuasiPeak (PASS)	39.631	124	-84.369	1	79	Horizontal	9000	0.1	6.245
13.56	QuasiPeak (PASS)	45.942	124	-78.058	1	163	Vertical	9000	0.1	6.246

Table 1. FCC 15.225 NFC 13.56 MHz Fundamental Field Strength (13.110 – 14.010 MHz In-Band Emissions) at 3m distance, Test Results

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
13.55946	QuasiPeak (PASS)	-0.369	84	-84.369	1	79	Horizontal	9000	0.1	6.245
13.56	QuasiPeak (PASS)	5.942	84	-78.058	1	163	Vertical	9000	0.1	6.246

Table 2. FCC 15.225 NFC 13.56 MHz Fundamental Field Strength (13.110 – 14.010 MHz In-Band Emissions) at 30m distance, Test Results

Note: Measurements were performed at 3m distance. Thereafter, the emission spectrum, level (dBμV/m), and limit (dBμV/m) were converted to values at 30m distance according to FCC 15.225(a), (b), and (c) using the Distance Correction Factor formula for frequencies below 30 MHz (40 dB / decade):

- Distance Correction Factor = $40 * \log_{10} (\text{Measurement Distance} / \text{Specification Distance}) = 40 * \log_{10} (3\text{m} / 30\text{m}) = -40 \text{ dB}$

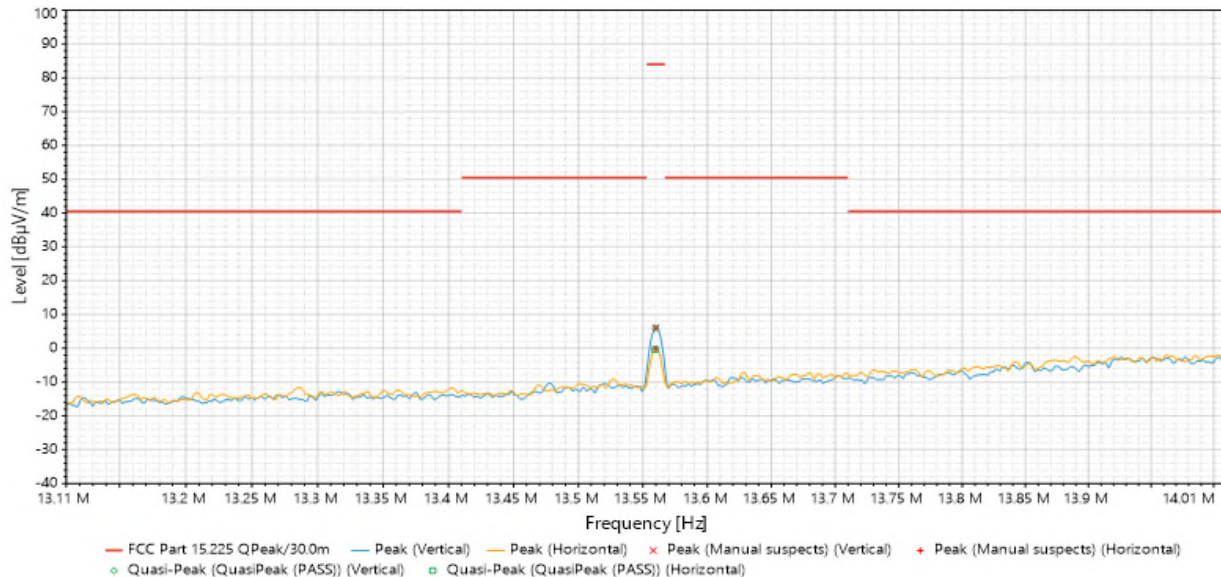


Figure 1. FCC 15.225 NFC 13.56 MHz Fundamental Field Strength at 30m Distance (13.110 – 14.010 MHz In-Band Emissions), Plot

NFC 13.56 MHz Radiated Spurious Emissions

Frequency (MHz)	Source	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
0.00900009	QuasiPeak (PASS)	70.338	128.5	-58.162	1	-12	Vertical	9000	0.1	53.88
0.00900009	QuasiPeak (PASS)	68.948	128.5	-59.552	1	27	Horizontal	9000	0.1	53.88
0.03607589	QuasiPeak (PASS)	69.153	116.446	-47.293	1	136	Vertical	9000	0.1	43.493

Table 3. FCC 15.225 NFC 13.56 MHz RSE at 3m Distance – (9 – 490 kHz), Test Results

Frequency (MHz)	Source	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
0.00900009	QuasiPeak (PASS)	-9.662	48.5	-58.162	1	-12	Vertical	9000	0.1	53.88
0.00900009	QuasiPeak (PASS)	-11.052	48.5	-59.552	1	27	Horizontal	9000	0.1	53.88
0.03607589	QuasiPeak (PASS)	-10.847	36.446	-47.293	1	136	Vertical	9000	0.1	43.493

Table 4. FCC 15.225 NFC 13.56 MHz RSE at 300m Distance – (9 – 490 kHz), Test Results

Note: Measurements were performed at 3m distance. Thereafter, the emission spectrum, level (dB μ V/m), and limit (dB μ V/m) were converted to values at 300m distance according to FCC 15.209(a) using the Distance Correction Factor formula for frequencies below 30 MHz (40 dB / decade):

- Distance Correction Factor = $40 * \log_{10} (\text{Measurement Distance} / \text{Specification Distance}) = 40 * \log_{10} (3\text{m} / 300\text{m}) = -80 \text{ dB}$

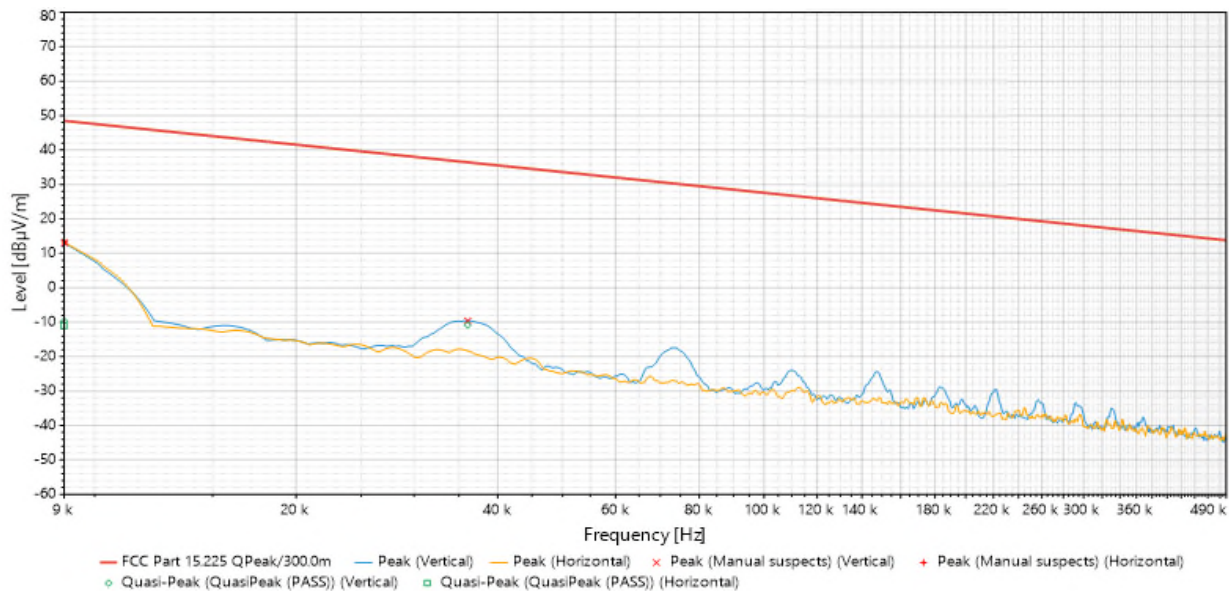


Figure 2. FCC 15.225 NFC 13.56 MHz RSE at 300m Distance – (9 – 490 kHz), Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
4.84862259	QuasiPeak (PASS)	30.162	69.5	-39.338	1	204	Horizontal	9000	0.1	9.87
4.90174059	QuasiPeak (PASS)	30.332	69.5	-39.168	1	-27	Vertical	9000	0.1	9.932

Table 5. FCC 15.225 NFC 13.56 MHz RSE at 3m Distance – (490 kHz – 30 MHz), Test Results

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
4.84862259	QuasiPeak (PASS)	-9.838	29.5	-39.338	1	204	Horizontal	9000	0.1	9.87
4.90174059	QuasiPeak (PASS)	-9.668	29.5	-39.168	1	-27	Vertical	9000	0.1	9.932

Table 6. FCC 15.225 NFC 13.56 MHz RSE at 30m Distance – (490 kHz – 30 MHz), Test Results

Note: Measurements were performed at 3m distance. Thereafter, the emission spectrum, level (dBμV/m), and limit (dBμV/m) were converted to values at 30m distance according to FCC 15.209(a) using the Distance Correction Factor formula for frequencies below 30 MHz (40 dB / decade):

- Distance Correction Factor = $40 * \log_{10} (\text{Measurement Distance} / \text{Specification Distance}) = 40 * \log_{10} (3\text{m} / 30\text{m}) = -40 \text{ dB}$

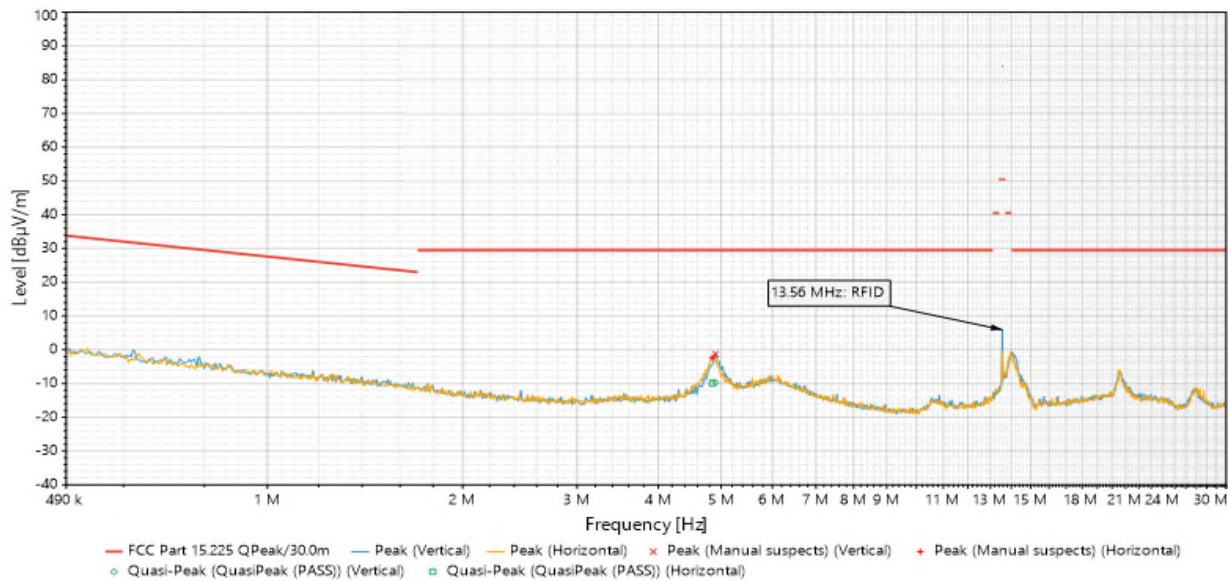


Figure 3. FCC 15.225 NFC 13.56 MHz RSE at 30m Distance – (490 kHz – 30 MHz), Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
216.95	QuasiPeak (PASS)	36.516	46.021	-9.505	1.065	84	Horizontal	1000000	0.1	-11.053
244.1	QuasiPeak (PASS)	35.311	46.021	-10.71	1.282	59	Horizontal	1000000	0.1	-9.037
375	QuasiPeak (PASS)	40.277	46.021	-5.744	1.03	141	Horizontal	1000000	0.1	-6.005
495.5	QuasiPeak (PASS)	16.462	46.021	-29.559	2.919	262	Horizontal	1000000	0.1	-3.949
625	QuasiPeak (PASS)	44.734	46.021	-1.287	1.425	90	Horizontal	1000000	0.1	-1.715
749.95	QuasiPeak (PASS)	37.549	46.021	-8.472	1.283	14	Horizontal	1000000	0.1	-0.199

Table 7. FCC 15.225 NFC 13.56 MHz RSE at 3m Distance – (30 MHz – 1 GHz), Test Results

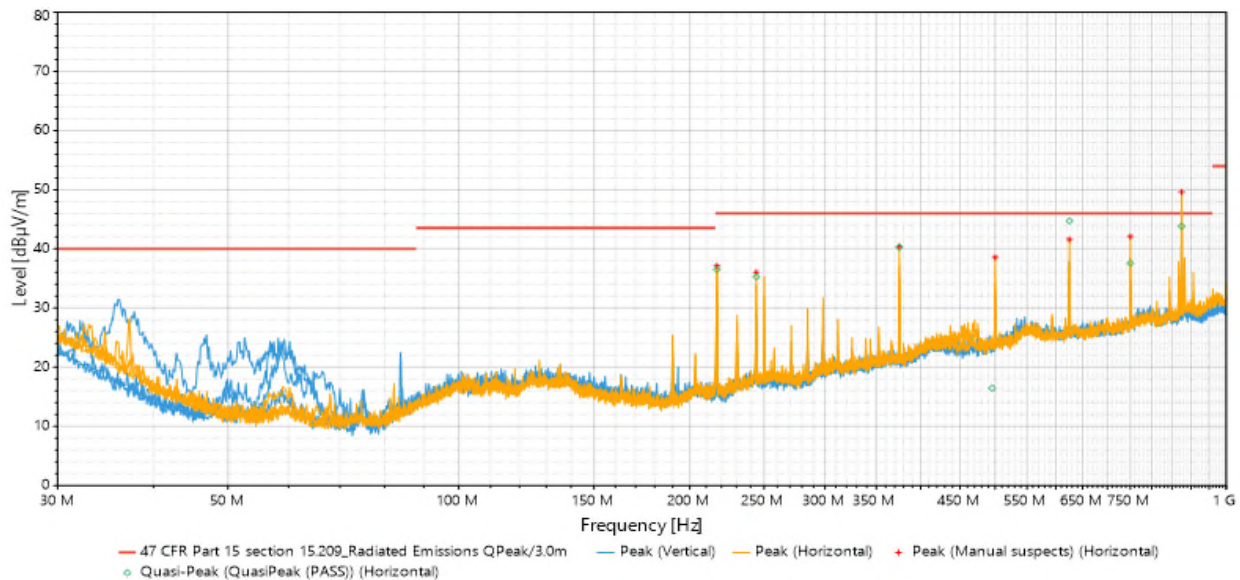


Figure 4. FCC 15.225 NFC 13.56 MHz RSE at 3m Distance – (30 MHz – 1 GHz), Plot

Note: Measurements were performed at 3m distance. Emissions at 875 MHz verified to be from digital parts and are not related to the NFC transmitter. The EUT is classified as a Class A device under FCC Part 15 Subpart B, and its digital parts emissions comply with the Class A limits defined in FCC Rule Part §15.109. Therefore, the digital parts emissions are exempt from the limits defined in FCC Rule Part §15.209.

3.2 Frequency Tolerance

Test Standard: FCC 47 CFR §15.225(e)
Frequency tolerance of carrier signal
ANSI C63.10-2020
Measurement procedures for unlicensed intentional radiators.

Test Method: 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.

Test Procedure: The EUT was placed inside a temperature chamber and was configured to transmit a carrier signal at 13.56 MHz.

Test Results:

Test Standard:	FCC 47 CFR §15.225(e)
Test Name	Frequency Tolerance
Test Dates:	03/04/2026
Laboratory	Eurofins E&E Testing NA, LLC.
Test Engineer:	Alex Chen
Test Results:	Compliant
Ambient Temperature (°C):	22.6
Relative Humidity (%):	49
Atmospheric Pressure (kPa):	101.8

NFC 13.56 MHz Frequency Tolerance

Temperature (°C)	Powering Method	Measured Frequency (MHz)	Frequency Error	Limit
-20	Battery Operated: 3.7 VDC	13.559924	0.000361%	±0.01%
-10		13.559905	0.000221%	±0.01%
0		13.559894	0.000140%	±0.01%
10		13.559933	0.000428%	±0.01%
20		13.559875	0%	±0.01%
30		13.559847	-0.000206%	±0.01%
40		13.559782	-0.000685%	±0.01%
50		13.559768	-0.000789%	±0.01%

Table 8. FCC 15.225 NFC 13.56 MHz Frequency Tolerance, Test Results

3.3 20 dB Bandwidth

Test Standard: FCC 47 CFR §15.215(c)
Additional provisions to the general radiated emission limitations.

ANSI C63.10-2020
Measurement procedures for unlicensed intentional radiators.

Test Method: Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

Test Procedure: The EUT was placed near the loop antenna and was configured to transmit at 13.56 MHz.

Test Results:

Test Standard:	FCC 47 CFR §15.215(c)
Test Name	20 dB Bandwidth
Test Dates:	05/01/2026
Laboratory	Eurofins E&E Testing NA, LLC.
Test Engineer:	Chin Ming Lui
Test Results:	Compliant
Ambient Temperature (°C):	22.6
Relative Humidity (%):	49
Atmospheric Pressure (kPa):	101.8

NFC 13.56 MHz 20 dB Bandwidth

Measured Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	429.6

Table 9. FCC 15.225 NFC 13.56 MHz 20 dB Bandwidth, Test Results

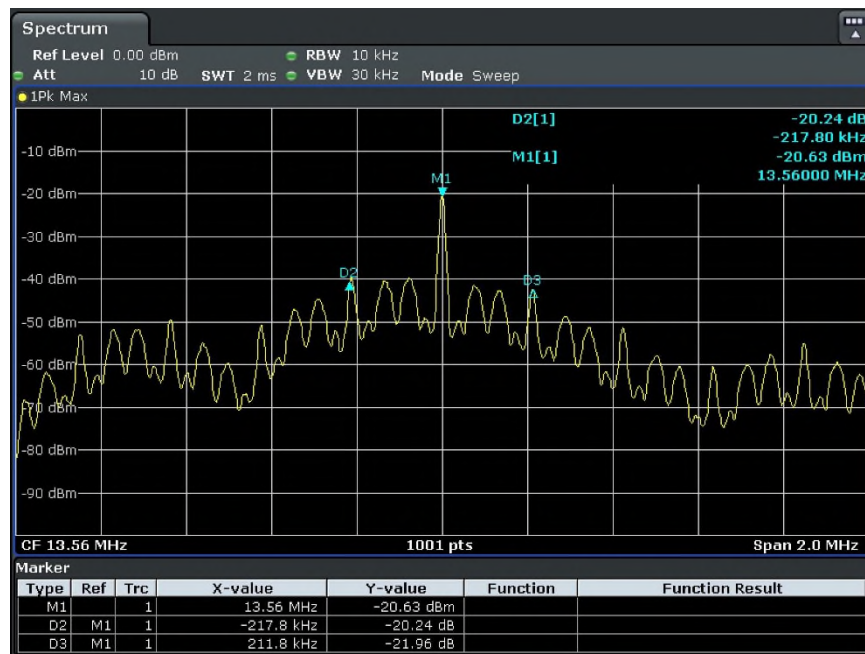


Figure 5. FCC 15.225 NFC 13.56 MHz 20 dB Bandwidth, Plot

Calibrated test equipment utilized during testing was maintained in a current state of calibration per the requirements of ISO/IEC 17025:2005.

Test Name: FCC 15.225			Test Date(s): 03/04/2026, 03/27/2026, 05/01/2026		
MET Asset #	Equipment	Manufacturer	Model	Last Cal Date	Cal Due Date
1S2399	Turntable Controller	Sunol Sciences	SC99V	See Note 1	
1S4856	Antenna Positioning Tower	ETS-Lindgren	2171B	See Note 1	
1S2482	5 Meter Chamber	Panashield - ETS	5 Meter Semi-Anechoic Chamber	See Note 2	
1S4804	EMI Test Receiver	Rohde & Schwarz	ESW44	08/15/2025	08/15/2026
1S3983	Loop Antenna	ETS-Lindgren	6512	02/02/2026	02/02/2028
1S2600	Bilog Antenna	Teseq	CBL6112D	06/10/2025	06/10/2027
1S2668	Pre-Amplifier	Sonoma Instruments	310 N	03/18/2025	03/18/2027
1S3812	Signal Analyzer	Rohde & Schwarz	FSV	01/10/2025	01/10/2027
1S2776	Temperature Chamber	Tenney Environmental	BTC	See Note 1	
Note 1: Functionally tested equipment is verified using calibrated instrumentation at the time of testing.					
Note 2: Latest NSA and VSWR data available upon request.					

Table 10. FCC 15.225 Test Equipment Used

END OF REPORT