May 14, 2026

ASSA ABLOY Opening Solutions
Baruch Spence
10027 S. 51st St., Suite 102
Phoenix, AZ 85044

Dear Baruch Spence,

Enclosed is the Electromagnetic Compatibility for the ASSA ABLOY Opening Solutions, KS210, tested to the requirements of:

- FCC 47 CFR §15.225
- ISED RSS-210 Issue 11

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: WIRS140547-FCC 15.225_RSS-210

A2LA ACCREDITED TESTING CERT #0591.02

Report Status Sheet

Revision	Report Date	Reason for Revision
Ø	May 14, 2026	Initial Issue.

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1.0 Testing Summary

The ASSA ABLOY Opening Solutions, KS210 was found to be compliant to the following specification(s).

- FCC 47 CFR §15.225
- ISED RSS-210 Issue 11

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	Industry Canada	Result
Fundamental Field Strength	§15.225(a)(b)(c)	RSS-210, Annex B Section B.6 (a)(i)(ii)(iii)	Complies
Radiated Spurious Emissions	§15.225(d)	RSS-210, Annex B Section B.6 (a)(iv)	Complies
Frequency Tolerance	§15.225(e)	RSS-210, Annex B Section B.6 (b) RSS-GEN, Section 6.11	Complies
20 dB Bandwidth	§15.215(c)	RSS-GEN, Section 6.7	Complies
99% Occupied Bandwidth	-	RSS-GEN, Section 6.7	Complies

2.0 Overview

Eurofins E&E Testing NA, LLC. was contracted by ASSA ABLOY Opening Solutions to perform testing on the KS210, under purchase order number 366127-O4-00271.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of ASSA ABLOY Opening Solutions, KS210.

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

Model(s) Tested:	KS210

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 and IC ID

FCC ID: VC3-KS210K
IC ID: 7160A-KS210K

2.3 Measurement Uncertainty

Measurement uncertainty calculated as per NIST Technical Note (TN) 1297 and ANSI / NCSL Z540-2, as equivalent to EN 55016-4-2 / IEC CISPR 16-4-2.

Test Method	Typical Expanded Uncertainty (dB)	K	Confidence Level
Radiated Emissions, (30 MHz – 1 GHz)	±4.61	2	95%
Radiated Emissions, (1 GHz – 18 GHz)	±4.63	2	95%
Radiated Emissions, (18 GHz – 40 GHz)	±4.22	2	95%
Conducted Emission Voltage	±3.03	2	95%
Conducted Emission Telecom	±3.87	2	95%

2.4 Equipment Overview and Test Configuration

Name of EUT/Model:	KS210-K
Additional Models Covered, but not tested:	N/A
Description of EUT and Intended Use:	The KS210-K is a wired (DC-powered), fixed-installation server cabinet lock with a keypad input. It is designed to read 13.56 MHz radio frequency identification (RFID) physical credentials and 2.402 GHz–2.480 GHz Bluetooth® Low Energy (BLE) wireless credentials from a mobile device.
Radio Specifications:	RFID: 13.56 MHz
Monitoring Method(s):	OSDP Test Box
Configuration(s):	N/A
EUT Power Requirement	
Voltage:	12-24V
AC or DC	DC
Voltage Frequency:	N/A
Number of Phases:	N/A
Amperage:	12VDC: 50 mA average, 400 mA peak, 24VDC: 40 mA average, 400 mA peak
Uses an external AC/DC Adapter:	No
Battery Return Configuration (DC-C, DC-I, or either):	N/A
Physical Description	
EUT Arrangement:	-
System with Multiple Chassis:	No
Size (HxWxD) inches:	10.8 x 1.75 x 2.25
Weight (lbs):	0.7
Emissions Class Declaration:	Class B
Other Info:	
Highest frequency used in device:	2480 MHz (BLE High Channel)
EUT Software (internal to EUT):	-
Support Software (used by support PC to exercise EUT):	Termite 3.4

Note: EUT information was provided by ASSA ABLOY Opening Solutions.

Equipment Configuration List

Name/Description	Part Number	Serial Number	Rev. #	Sample
KS210 Keypad Server Cabinet Lock	KS210-D-IK	N/A	1	Radiated

Note: Equipment Configuration information was provided by ASSA ABLOY Opening Solutions.

Support Equipment List

Name/Description	Manufacturer	Model
Test Laptop	DELL	Latitude 5420

Note: Support Equipment information was provided by ASSA ABLOY Opening Solutions.

Ports and Cabling List

N/A

Antenna Information

Radio	Antenna Type	Manufacturer	Part No	Frequency Range	Peak Gain
BLE	Patch	Yageo	ANTX200P001B24003	2.4 – 2.5 GHz	4.4 dBi
13.56 MHz RFID	Tuned Coil	Custom	Embedded 3-Turn PCBA Coil	13.56 MHz	0 dBi

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

2.5 Modifications to the EUT

No modifications were made to the EUT.

2.6 Modifications to the Standard

No modifications were made to the Test Standard.

2.7 Disposition of EUT

The test sample including all support equipment (if any), submitted to the Electromagnetic Compatibility Lab for testing was returned to ASSA ABLOY Opening Solutions 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) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters. Field strength of any emissions within the band 13.410-13.553 MHz and 13.567-13.710 MHz

(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.

(d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

ISED RSS-210 Annex B Section B.6

(a) The field strength of any emission shall not exceed the following limits:

i. 15.848 mV/m (84 dBµV/m) at 30 m, within the band 13.553-13.567 MHz

ii. 334 µV/m (50.47 dBµV/m) at 30 m, within the bands 13.410-13.553 MHz and 13.567-13.710 MHz

iii. 106 µV/m (40.51 dBµV/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

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 RFID radio were measured in a semi-anechoic chamber in accordance with ANSI C63.10-2020. The RFID 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 and ISED RSS-210/RSS-GEN limits.

Test Procedure: For the 13.56 MHz RFID 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 and ISED compliance.

The EUT was first evaluated for three orientations (flat, stand-up, sideways) to determine which orientation yields the worst-case fundamental field strength. The worst-case orientation was confirmed with the EUT sideways and radiated measurements were performed with this setup.

Test Results:

Test Standard:	FCC 47 CFR §15.225(a)(b)(c)(d) ISED RSS-210 Annex B Section B.6 (a)(i)(ii)(iii)(iv)
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 (dBuV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
13.26622	QuasiPeak (PASS)	41.28	80.51	-39.23	1	5	Vertical	9000	0.1	38.022
13.30625	QuasiPeak (PASS)	41.3	80.51	-39.21	1	341	Horizontal	9000	0.1	38.03
13.55978	QuasiPeak (PASS)	70.287	124	-53.713	1	257	Horizontal	9000	0.1	38.081
13.56023	QuasiPeak (PASS)	69.765	124	-54.235	1	167	Vertical	9000	0.1	38.081
13.76378	QuasiPeak (PASS)	41.409	80.51	-39.101	1	-12	Vertical	9000	0.1	38.123
13.79031	QuasiPeak (PASS)	41.304	80.51	-39.206	1	0	Horizontal	9000	0.1	38.129

Table 1. FCC 15.225 RFID 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 (dBuV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
13.26622	QuasiPeak (PASS)	1.28	40.51	-39.23	1	5	Vertical	9000	0.1	38.022
13.30625	QuasiPeak (PASS)	1.3	40.51	-39.21	1	341	Horizontal	9000	0.1	38.03
13.55978	QuasiPeak (PASS)	30.287	84	-53.713	1	257	Horizontal	9000	0.1	38.081
13.56023	QuasiPeak (PASS)	29.765	84	-54.235	1	167	Vertical	9000	0.1	38.081
13.76378	QuasiPeak (PASS)	1.409	40.51	-39.101	1	-12	Vertical	9000	0.1	38.123
13.79031	QuasiPeak (PASS)	1.304	40.51	-39.206	1	0	Horizontal	9000	0.1	38.129

Table 2. FCC 15.225 RFID 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)(c) and ISED RSS-210 Annex B Section B.6 (a)(i)(ii)(iii) using the Distance Correction Factor formula for frequencies below 30 MHz (40 dB / decade):

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

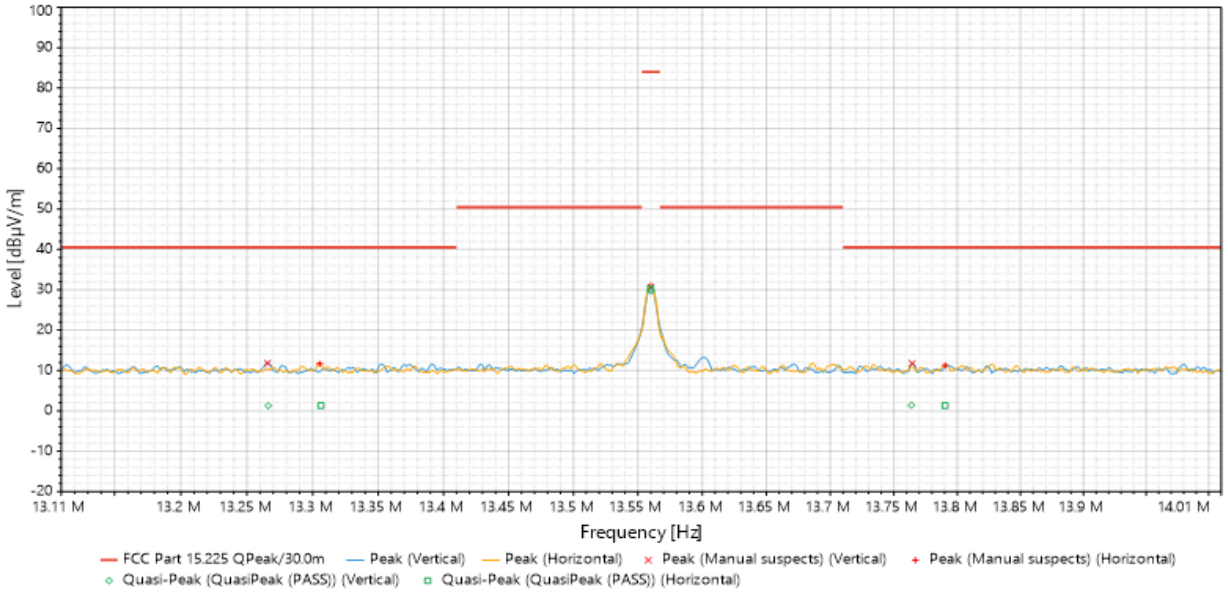

Figure 1. FCC 15.225 RFID 13.56 MHz Fundamental Field Strength at 30m Distance (13.110 – 14.010 MHz In-Band Emissions), Plot

RFID 13.56 MHz Radiated Spurious Emissions

Frequency (MHz)	Source	Peak Level (dBµV/m)	QP Limit (dBuV/m)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Correction (dB)
0.009	Manual suspects	86.193	128.5	1	0	Vertical	9000	53.88
0.009	Manual suspects	82.052	128.5	1	80	Horizontal	9000	53.88

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

Frequency (MHz)	Source	Peak Level (dBµV/m)	QP Limit (dBuV/m)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Correction (dB)
0.009	Manual suspects	6.193	48.5	1	0	Vertical	9000	53.88
0.009	Manual suspects	2.052	48.5	1	80	Horizontal	9000	53.88

Table 4. FCC 15.225 RFID 13.56 MHz RSE at 300m Distance – (9 – 490 kHz), 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 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 * $\log_{10}$ (Measurement Distance / Specification Distance) = 40 * $\log_{10}$ (3m / 300m) = -80 dB

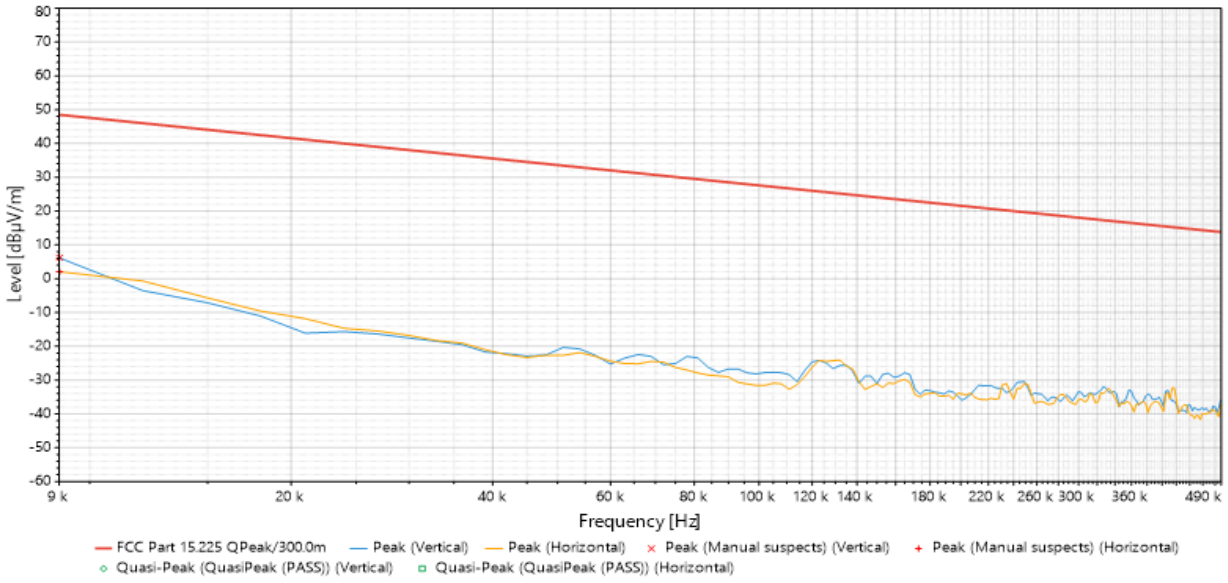

Figure 2. FCC 15.225 RFID 13.56 MHz RSE at 300m Distance – (9 – 490 kHz), Plot

Frequency (MHz)	Source	Level (dBµV/m)	Limit (dBuV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
4.9593759	QuasiPeak (PASS)	31.372	69.5	-38.128	1	256	Vertical	9000	0.1	10
5.0213961	QuasiPeak (PASS)	33.411	69.5	-36.089	1	58	Horizontal	9000	0.1	10.127
12.7809678	QuasiPeak (PASS)	32.447	69.5	-37.053	1	183	Horizontal	9000	0.1	6.099
12.8793954	QuasiPeak (PASS)	37.298	69.5	-32.202	1	114	Vertical	9000	0.1	6.117
13.5598338	QuasiPeak (PASS)	70.41	124	-53.59	1	186	Vertical	9000	0.1	6.246
13.5598338	QuasiPeak (PASS)	69.255	124	-54.745	1	272	Horizontal	9000	0.1	6.246

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

Frequency (MHz)	Source	Level (dBµV/m)	Limit (dBuV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
4.9593759	QuasiPeak (PASS)	-8.628	29.5	-38.128	1	256	Vertical	9000	0.1	10
5.0213961	QuasiPeak (PASS)	-6.589	29.5	-36.089	1	58	Horizontal	9000	0.1	10.127
12.7809678	QuasiPeak (PASS)	-7.553	29.5	-37.053	1	183	Horizontal	9000	0.1	6.099
12.8793954	QuasiPeak (PASS)	-2.702	29.5	-32.202	1	114	Vertical	9000	0.1	6.117
13.5598338	QuasiPeak (PASS)	30.41	84	-53.59	1	186	Vertical	9000	0.1	6.246
13.5598338	QuasiPeak (PASS)	29.255	84	-54.745	1	272	Horizontal	9000	0.1	6.246

Table 6. FCC 15.225 RFID 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 * $\log_{10}$ (Measurement Distance / Specification Distance) = 40 * $\log_{10}$ (3m / 30m) = -40 dB

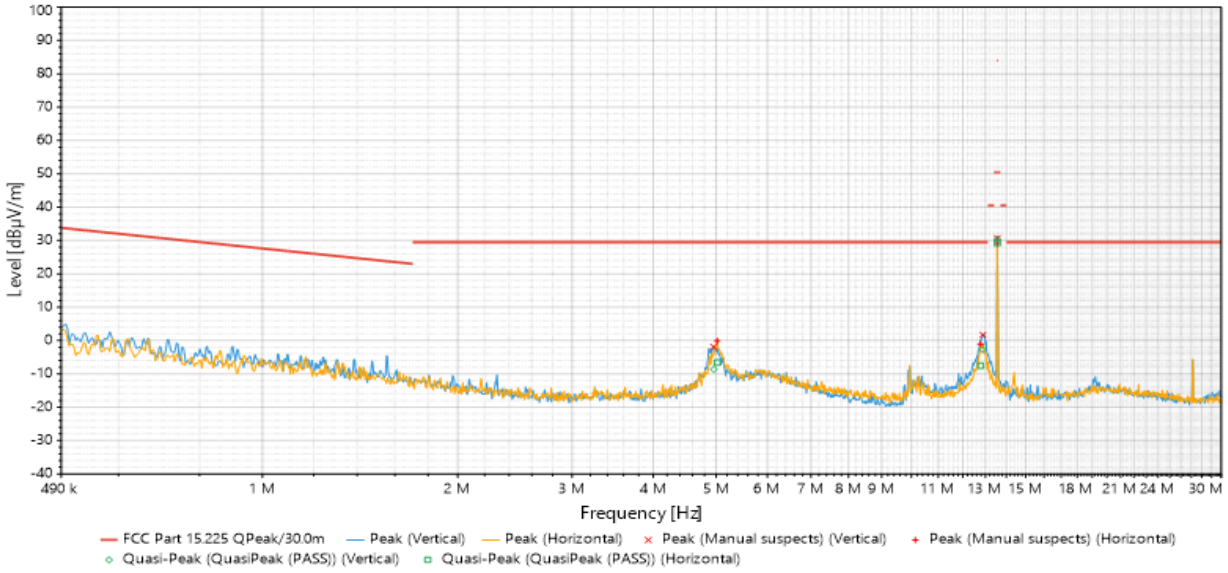

Figure 3. FCC 15.225 RFID 13.56 MHz RSE at 30m Distance – (490 kHz – 30 MHz), Plot

Frequency (MHz)	Source	Level (dBµV/m)	Limit (dBuV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
36.37	QuasiPeak (PASS)	16.135	40	-23.865	1.614	79	Horizontal	120000	0.1	-7.334
83.752	QuasiPeak (PASS)	20.747	40	-19.253	4	104	Vertical	120000	0.1	-14.681
88.438	QuasiPeak (PASS)	39.489	43.5	-4.011	1.059	319	Vertical	120000	0.1	-12.466
94.936	QuasiPeak (PASS)	36.962	43.5	-6.538	1.03	383	Vertical	120000	0.1	-10.932
122.042	QuasiPeak (PASS)	41.013	43.5	-2.487	1.06	106	Vertical	120000	0.1	-9.346
143.79	QuasiPeak (PASS)	38.54	43.5	-4.96	1.059	44	Vertical	120000	0.1	-9.722

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

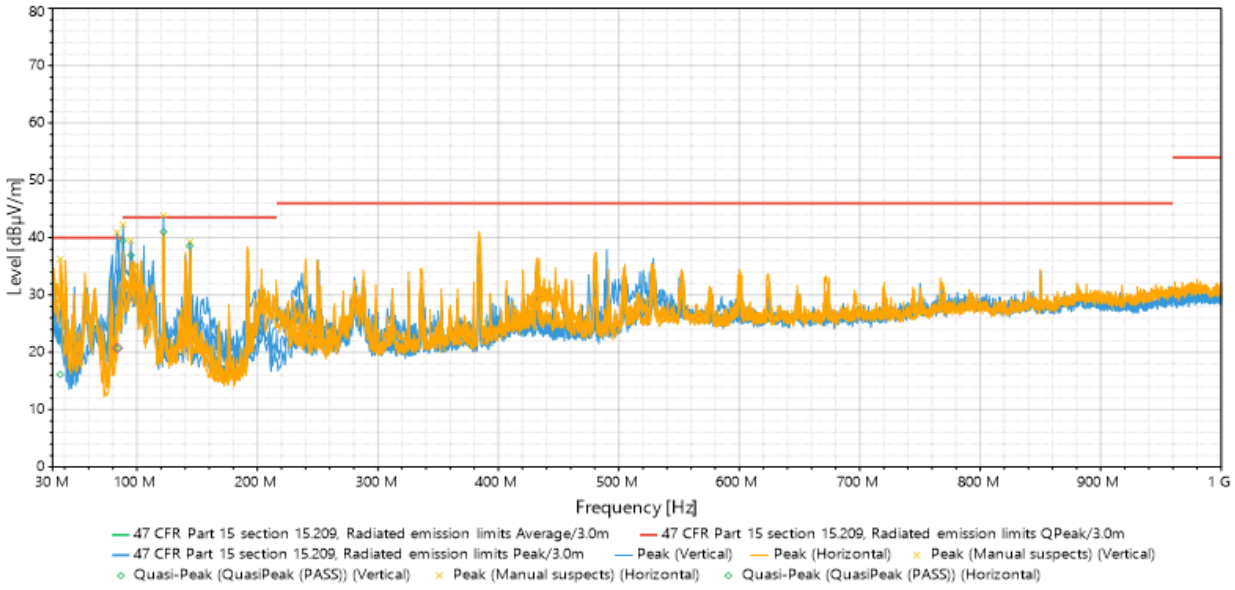

Figure 4. FCC 15.225 RFID 13.56 MHz RSE at 3m Distance – (30 MHz – 1 GHz), Plot

3.2 Frequency Tolerance

Test Standard: FCC 47 CFR §15.225(e)
Frequency tolerance of carrier signal
ISED RSS-210 Issue 11, Annex B Section B.6 (b)
Licence-Exempt Radio Apparatus: Category I Equipment
ISED RSS-GEN Issue 5, Section 6.11
General Requirements for Compliance of Radio Apparatus
ANSI C63.10-2020
Measurement procedures for unlicensed intentional radiators.

Test Method:

FCC 47 CFR §15.225(e):
The frequency tolerance of the carrier signal shall be maintained within ±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.

ISED RSS-210 Issue 11, Annex B Section B.6 (b):
The Carrier frequency stability shall not exceed ±100 ppm

ISED RSS-GEN Issue 5, Section 6.11:
For licence-exempt devices, the following conditions apply:
(a) at the temperatures of -20°C (-4°F), +20°C (+68°F) and +50°C (+122°F), and at the manufacturer's rated supply voltage
(b) at the temperature of +20°C (+68°F) and at ±15% of the manufacturer's rated supply voltage

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), ISED RSS-210 Issue 11, Annex B Section B.6 (b) ISED RSS-GEN Issue 5, Section 6.11
Test Name	Frequency Tolerance
Test Dates:	05/14/2026
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

RFID 13.56 MHz Frequency Tolerance

Temperature (°C)	Powering Method	Measured Frequency (MHz)	Frequency Error		FCC 15.225 Limit	RSS-210 Limit
			FCC 15.225	RSS-210		
-20	12 VDC	13.560022	0.00064823%	6.4823 ppm	±0.01%	±100 ppm
-10		13.560028	0.00069248%	6.9248 ppm	±0.01%	±100 ppm
0		13.560024	0.00066298%	6.6298 ppm	±0.01%	±100 ppm
10		13.559996	0.00045649%	4.5649 ppm	±0.01%	±100 ppm
20		13.5599341	0%	0 ppm	±0.01%	±100 ppm
30		13.5599491	0.00011062%	1.1062 ppm	±0.01%	±100 ppm
40		13.5598901	-0.00032449%	-3.2449 ppm	±0.01%	±100 ppm
50		13.5598711	-0.0004646%	-4.646 ppm	±0.01%	±100 ppm

Table 8. RFID 13.56 MHz Frequency Tolerance at 12 VDC, Test Results

Temperature (°C)	Powering Method	Measured Frequency (MHz)	Frequency Error		FCC 15.225 Limit	RSS-210 Limit
			FCC 15.225	RSS-210		
-20	10.2 VDC	13.5599321	-0.00001475%	-0.1475 ppm	±0.01%	±100 ppm
	13.8 VDC	13.5599311	-0.00002212%	-0.2212 ppm	±0.01%	±100 ppm

Table 9. RFID 13.56 MHz Frequency Tolerance at ±15% of 12 VDC, Test Results

Temperature (°C)	Powering Method	Measured Frequency (MHz)	Frequency Error		FCC 15.225 Limit	RSS-210 Limit
			FCC 15.225	RSS-210		
-20	24 VDC	13.560021	0.00066298%	6.6298 ppm	±0.01%	±100 ppm
-10		13.560027	0.00070723%	7.0723 ppm	±0.01%	±100 ppm
0		13.560021	0.00066298%	6.6298 ppm	±0.01%	±100 ppm
10		13.559999	0.00050074%	5.0074 ppm	±0.01%	±100 ppm
20		13.5599311	0%	0 ppm	±0.01%	±100 ppm
30		13.5599321	0.00000737%	0.0737 ppm	±0.01%	±100 ppm
40		13.5598971	-0.00025074%	2.5074 ppm	±0.01%	±100 ppm
50		13.5598681	-0.0004646%	4.646 ppm	±0.01%	±100 ppm

Table 10. RFID 13.56 MHz Frequency Tolerance at 24 VDC, Test Results

Temperature (°C)	Powering Method	Measured Frequency (MHz)	Frequency Error		FCC 15.225 Limit	RSS-210 Limit
			FCC 15.225	RSS-210		
-20	20.4 VDC	13.5599311	0%	0 ppm	±0.01%	±100 ppm
	27.6 VDC	13.5599301	-0.00000737%	-0.0737 ppm	±0.01%	±100 ppm

Table 11. RFID 13.56 MHz Frequency Tolerance at ±15% of 24 VDC, Test Results

3.3 20 dB Bandwidth and 99% Occupied Bandwidth

Test Standard: FCC 47 CFR §15.215(c)
Additional provisions to the general radiated emission limitations.
ISED RSS-GEN Issue 5, Section 6.7
General Requirements for Compliance of Radio Apparatus
ANSI C63.10-2020
Measurement procedures for unlicensed intentional radiators.

Test Method:

FCC 47 CFR §15.215(c):
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.

ISED RSS-GEN, Issue 5 Section 6.7:
The occupied bandwidth or the "99% emission bandwidth" is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall
be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

In some cases, the "x dB bandwidth" is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

Test Procedure: The EUT was placed near an antenna connected to a spectrum analyzer and was configured to transmit at 13.56 MHz.

Test Results:

Test Standard:	FCC 47 CFR §15.215(c), RSS-GEN Issue 5 Section 6.7
Test Name	20 dB Bandwidth and 99% Occupied Bandwidth
Test Dates:	05/14/2026
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

RFID 13.56 MHz 20 dB Bandwidth

Measured Frequency (MHz)	20 dB Bandwidth (Hz)
13.5599421	569.6

Table 12. RFID 13.56 MHz 20 dB Bandwidth, Test Results

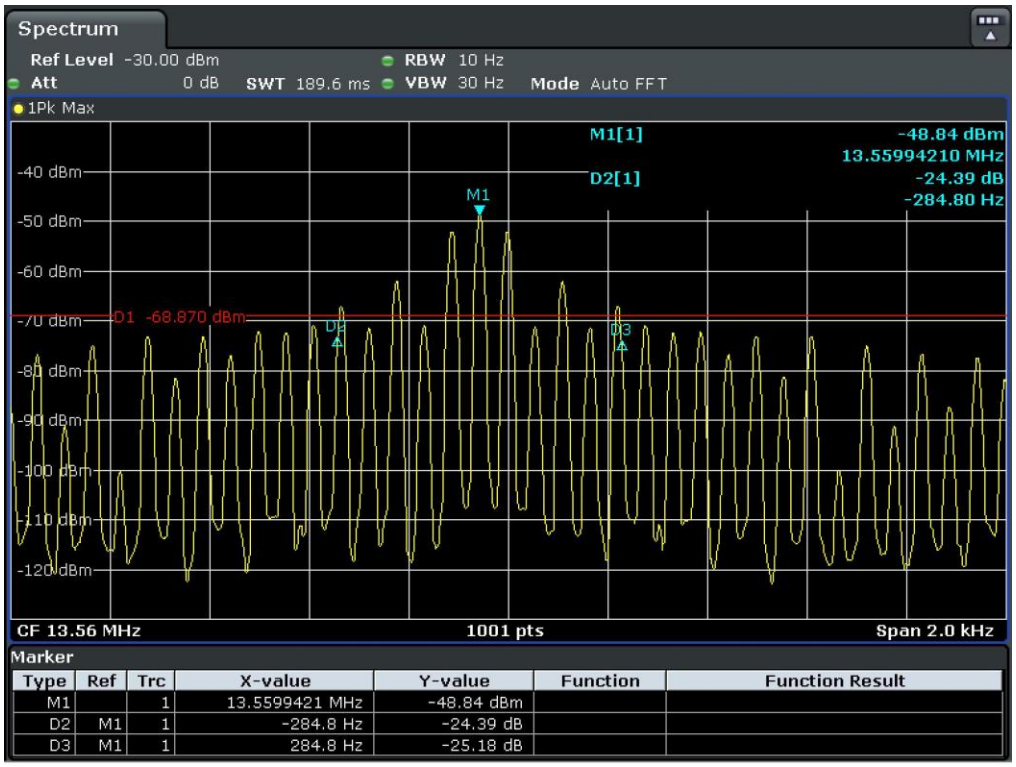

Figure 5. RFID 13.56 MHz 20 dB Bandwidth, Plot

RFID 13.56 MHz 99% Occupied Bandwidth

Measured Frequency (MHz)	99% OBW (kHz)
13.5599421	1.1089

Table 13. RFID 13.56 MHz 99% OBW, Test Results

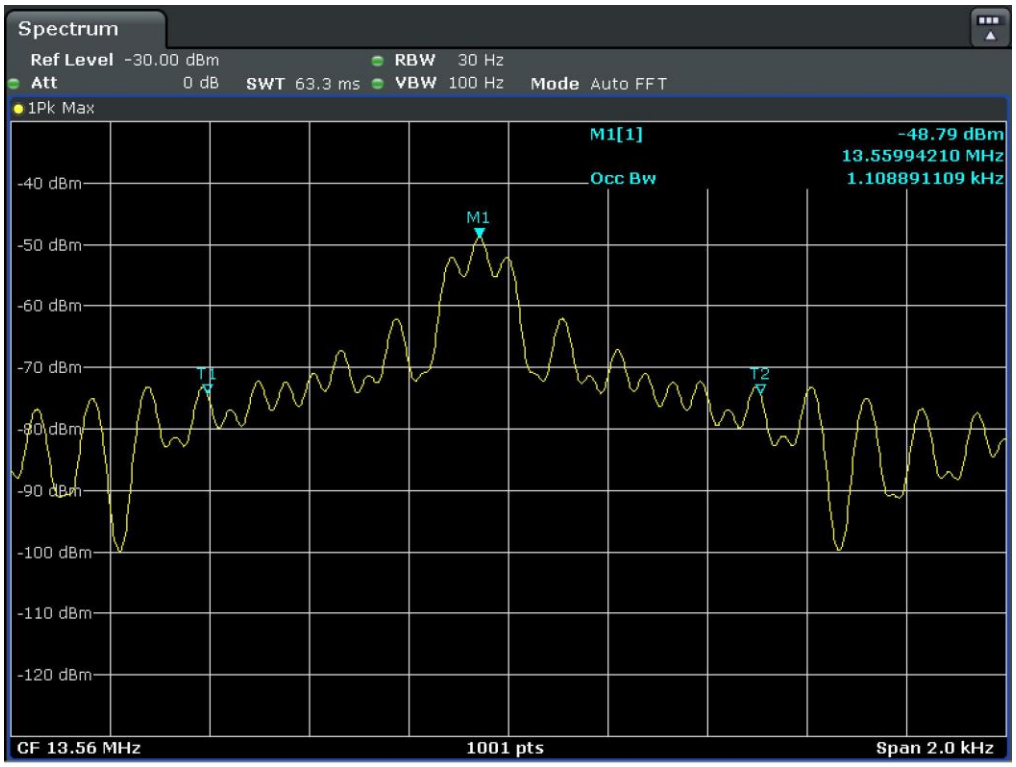

Figure 6. RFID 13.56 MHz 99% OBW, Plot

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 and ISED RSS-210			**Test Date(s):** 03/27/2026, 05/14/2026		
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 14. FCC 15.225 and ISED RSS-210 Test Equipment Used

END OF REPORT