



## Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR230300034502

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### 1 Cover Page

## RF Exposure Evaluation Report

Application No.:	KSCR2303000345AT
FCC ID:	2BAML-SDS5X0
Applicant:	SCAN COIN AB
Address of Applicant:	NORDENSKIÖLDGATAN 24, 211 19 Malmö, Sweden
Manufacturer:	SCAN COIN AB
Address of Manufacturer:	NORDENSKIÖLDGATAN 24, 211 19 Malmö, Sweden
Factory:	WEIHAI NEW BEIYANG RONGXIN TECHNOLOGY CO., LTD
Address of Factory:	NO.126 KUNLUN ROAD, HUANCUI DISTRICT, WEIHAI, SHANDONG, CHINA
Equipment Under Test (EUT):	
EUT Name:	Smart Deposit Safe
Model No.:	SDS-500, SDS-520, SDS-550
Trade Mark:	PayComplete
Standard(s) :	FCC Rules 47 CFR §2.1091 KDB 447498 D04 interim General RF Exposure Guidance v01
Date of Receipt:	2023-03-06
Date of Issue:	2023-10-23
Test Result:	Pass*

\* In the configuration tested, the EUT complied with the standards specified above.

Eric Lin  
EMC Laboratory Manager



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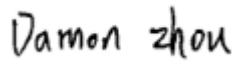
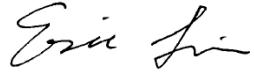
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<b>Revision Record</b>			
<b>Version</b>	<b>Description</b>	<b>Date</b>	<b>Remark</b>
00	Original	2023-10-23	/

<b>Authorized for issue by:</b>				
				
		<b>Damon Zhou /Project Engineer</b>		
				
		<b>Eric Lin /Reviewer</b>		

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### 3 General Information

#### 3.1 General Description of E.U.T.

Power supply:	AC 100-240V,2.5A,50/60Hz
Product Type:	<input type="checkbox"/> Portable device
	<input type="checkbox"/> Mobile device
	<input checked="" type="checkbox"/> Fixed device

#### 3.2 Details of E.U.T.

Operation Frequency:	13.56MHz
Modulation Type:	ASK
Antenna Type:	Coil Antenna
Operation Frequency:	902-928MHz
Modulation Type:	GFSK
Channel List	42
Antenna Type:	Integral Antenna
Antenna Gain	2dBi

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### 3.3 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).

2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

### 3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

- **FCC**

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

- **ISED**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

- **VCCI**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

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## 4 FCC Radiofrequency radiation exposure limits

According to §1.1310, The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part 1.1307(b)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3–3.0	614	1.63	*(100)	≤6
3.0–30	1842/f	4.89/f	*(900/f <sup>2</sup> )	<6
30–300	61.4	0.163	1.0	<6
300–1,500			f/300	<6
1,500–100,000			5	<6
(ii) 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 <sup>2</sup> )	<30
30–300	27.5	0.073	0.2	<30
300–1,500			f/1500	<30
1,500–100,000			1.0	<30

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## 5 Measurement and Calculation

### 5.1 Maximum transmit power

The Power Data please refer to the RF Test Report KSCR230300034501 & Modular Test Report CR230851230-00

### 5.2 MPE Calculation

According to the formula  $S=P/4\pi R^2$ , we can calculate S which is MPE.

Note:

- 1) P (mW)
- 2) R = distance to the center of radiation of antenna (in centimeter)

Test Mode	Max EIRP (dBm)	Operation Distance R(cm)	Power Density (mW/cm <sup>2</sup> )	Limit of Power Density S(mW/cm <sup>2</sup> )	Result
915MHz	29	20	0.158	0.602	Pass

Test Mode	Max Electric field strength (dbuV/m)	Max Electric field strength (V/m)	Limit of Electric field strength ( V/m )	Result
13.56MHz	54.97	0.0006	60.77	Pass

The 915MHz and 13.56MHz can transmit simultaneously, but the maximum rate of MPE is  $0.158/0.602+0.0006/60.77=0.26\leq 1$ .

So the device is exclusion from SAR test.

--End of the Report--



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