



Test report issued under the responsibility of:
EMITECH MONTPELLIER laboratory
MRA US-EU Designation Number: FR0006
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RF EXPOSURE TEST REPORT

KDB 447498 D01 V06
RSS-102 - Issue 6, December 2023

Company: **OBERTHUR CASH PROTECTION**
Address.....: 3 BIS RUE DOCTEUR QUIGNARD
21000 DIJON
FRANCE

Test item description: **SCM (Security Control Module) for IBNS (Intelligent Banknote Neutralisation System) / ATM device**
Trade Mark: OBERTHUR CASH PROTECTION
Manufacturer.....: OBERTHUR CASH PROTECTION
Model/Type reference.....: OCPICSDSCM / OCP_I0281 into OCP_ICSD-RM4V
FCC ID.....: 2AXRGOCPICSDSCM
IC: 26545-OCPICSDSCM
Ratings.....: 2.7Vdc to 3.6Vdc (internal battery)

Testing Laboratory: **EMITECH MONTPELLIER laboratory**
Address.....: 145 rue de Massacan
34740 VENDARGUES
FRANCE

Report Reference No.....: **RR-EVE-25D039-3A**
Test procedure: FCC IC Certification
Diffusion.....: M. EZERZER Hugo
Applicant's name: OBERTHUR CASH PROTECTION
Date of issue.....: July 22, 2025
Total number of pages.....: 9
Revision: 0
Compiled by.....: Célien FOUGEROLLE
Approved by (+ signature): Olivier HEYER (Deputy Laboratory Manager)



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REVISION HISTORY:

Revision	Date	Modified pages	Modifications
0	July 22, 2025	/	Creation

1. GENERAL INFORMATION

This document submits the results of Radio tests performed on the equipment **SCM (Security Control Module) for IBNS (Intelligent Banknote Neutralisation System) / ATM device** (denominated hereafter E.U.T.: equipment under test) according to document(s) listed in §2 of this test report.

TESTING PROCEDURE AND TESTING LOCATION:					
Testing Location : EMITECH MONTPELLIER laboratory Address. : 145 rue de Massacan 34740 VENDARGUES FRANCE Test procedure. : FCC IC Certification Tested by : Célien FOUGEROLLE Test supervisor : None Date of receipt of test item : N/A Date (s) of performance of tests : From June the 4 th to the 6 th of 2025					
APPLICANT'S GENERAL INFORMATION:					
Company name : OBERTHUR CASH PROTECTION Company address. : 3 BIS RUE DOCTEUR QUIGNARD 21000 DIJON - FRANCE Person(s) present during the tests. : M. PATRU Aurelien M. EZERZER Hugo Responsible. : M. EZERZER Hugo					
GENERAL REMARKS:					
The information in <i>italics</i> is declared by the manufacturer and is under his responsibility The test results presented in this report relate only to the object tested. The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report. Throughout this report the decimal separator is point.					
POSSIBLE TEST CASE VERDICTS:					
Test case does not apply to the test object.: N/A Test case not performed..... : N/P Test object does meet the requirement..... : P (Pass) Test object does not meet the requirement. F (Fail) :					
DEFINITIONS AND ABBREVIATIONS:					
E.U.T.	Equipment Under Test	AE	Ancillary Equipment	Pk	Peak detector
RBW	Resolution BandWidth	VBW	Video BandWidth	QP	Quasi-peak detector
FSOATS	Free Space Open Area Test Site	FAR	Full Anechoic Room	Av	Average detector
VP	Vertical Polarization	HP	Horizontal Polarization	RMS	Root Mean Square
RF	Radio Frequency	N.T.R	Nothing To Report	N/C	Not Communicated
SAC	Semi Anechoic Chamber				

2. REFERENCE DOCUMENT(S)

NORMATIVE REFERENCES:

The following referenced documents are necessary for the application of the present test report.

FCC 47 CFR PART 15

Code of federal regulations – Title 47 telecommunication
Part 15- Radio frequency devices

KDB 447498 D01 v06

RF exposure procedures and equipment authorization policies for mobile and portable devices.

RSS-102 - Issue 6, December 2023

Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)

RR-EVE-25D039-3A

Radio Test Report Emitech.

Although the product standard uses obsolete technical standards, the latest versions of standards achievable by the laboratory will be used for testing.

INFORMATIVE REFERENCES:

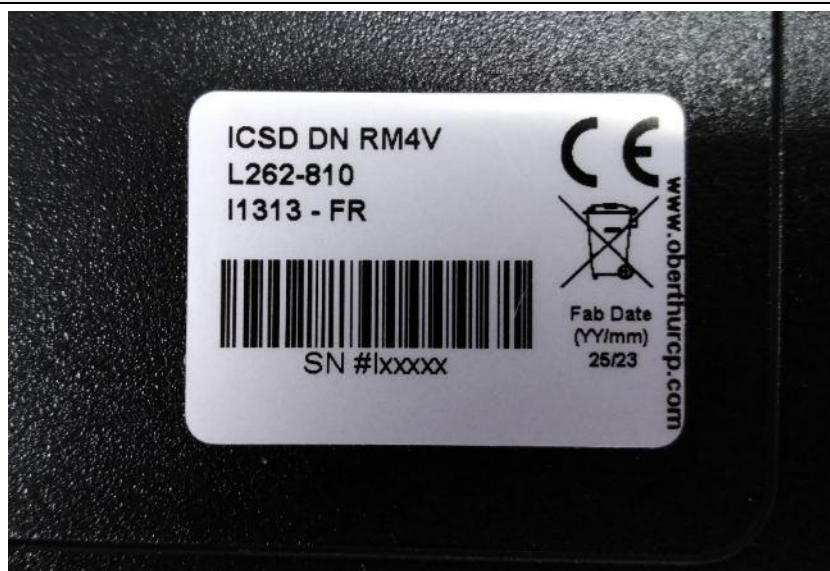
The following referenced documents are not necessary for the application of the present test report but they assist the user with regard to a particular subject area.

3. EQUIPMENT TECHNICAL DESCRIPTION

3.1. Test Conditions

Test item description. :	SCM (Security Control Module) for IBNS (Intelligent Banknote Neutralisation System) / ATM device
Model/Type reference..... :	OCPICSDSCM / OCP_I0281 into OCP_ICSD-RM4V
Trade Mark. :	OBERTHUR CASH PROTECTION
Serial number (S/N)..... :	Not communicated
Part number (P/N). :	I1313
Software version..... :	N/A
Firmware version. :	L262 8.10
Type of sample..... :	Pre-serial
Function(s)..... :	IBNS devices: ATM protection range of product SCM: ATM safe integrity survey, communication with ICSD devices ICSD: IBNS cassette module, permit to stain banknotes in case of attack detection
Manufacturer name. :	OBERTHUR CASH PROTECTION
Address. :	3 BIS RUE DOCTEUR QUIGNARD 21000 DIJON FRANCE
General product information:	
N/A	

3.2. E.U.T. Marking plate



3.3. E.U.T. Modification(s)

No modification

3.4.E.U.T. General view



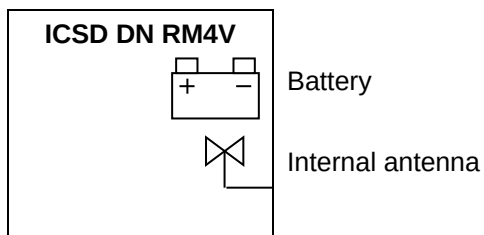
3.5.E.U.T. Mechanical and Electrical Design

Power supply.....	: 3.6Vdc power supply
Power supply range.....	: 2.7Vdc to 3.6Vdc
Power type.....	: Battery powered
Power (mW).....	: <2
Nominal current (μA).	: <500
Dimensions (L x W x H) (m).	: 0.591 x 0.300 x 0.1397
Weight (kg).	: 7.2
Temperature range (°C).	: -20 to +65
Ground bounding strap.....	: No

Comments:

N/A

3.6.E.U.T. Input/Output ports



PORT	NAME	TYPE	LENGTH	CABLE TYPE	COMMENTS
0	Main frame	N/E	N/A	Plastic	
1	Battery	DC		2P	3.6Vdc
2	Internal antenna	RF	N/A	N/A	Dedicated antenna

AC/DC : AC/DC Converter port

I/O: Input or Output port

N/E: Non Electrical port

AC.....: Alternative current port

TP: Telecommunication port

DC.....: Direct current port

RF.....: Radio frequency port

3.7. Supporting Equipment Used During Test

Sample subject to the tests was tested with following equipment.

PRODUCT TYPE	MANUFACTURER	MODEL	N°EMITECH / COMMENTS
SCM	OBERTHUR CASH PROTECTION	OCPICSDSCM	Used to initiate radio communication with the E.U.T.

3.8. EUT Radio Specifications

a) GENERAL INFORMATIONS	
According to manufacturer's declarations :	
EUT type.....	<i>Transceiver</i>
Technology	<i>SRD</i>
Environmental profile.....	<i>Data transmissions</i>
Temperature range	<i>-20°C to +65°C</i>
Antenna type	<i>Dedicated</i>
Antenna Gain.....	<i>Not communicated</i>
Comments:	
EUT includes an RF module already certified, see appropriates tests report for full testing results.	
FCC ID: 2AXRGOCPICSDSCM	
IC: 26545-OCPICSDSCM	
b) TRANSMITTER PARAMETERS (Tx)	
Frequency bands.....	<i>902 - 928 MHz</i>
RF Power.....	<i>-10dBm</i>
Number of channels / Separation.....	<i>2</i>
Modulation type	<i>GFSK</i>
Duty cycle	<i>0.1%</i>
Tested frequency.....	<i>Low channel: 915.03MHz</i> <i>High channel: 915.6MHz</i>
c) RECEIVER PARAMETERS (Rx)	
Frequency bands.....	<i>Low channel: 915.03MHz</i> <i>High channel: 915.6MHz</i>
Category/Class	<i>Category 2</i>
Bandwidth.....	<i>150kHz</i>

4. RF EXPOSURE

Maximum radiated field strength measured = 81.90 dB μ V/m at 3 m at 915.03 MHz (see Radio test report referenced in §2)

Then maximum EIRP = -13.33 dBm (0.05 mW)

For USA

In accordance with KDB 447498 D01 Appendix A, as EIRP is lower than 15.68 mW at 915.03 MHz, SAR exemption for FCC can be considered for a distance $\leq$ 5mm.

For Canada

In accordance with RSS-102, Issue 6, Section 6.3., as EIRP is lower than 16.25 mW at 915.03 MHz, SAR exemption for ISED can be considered for a distance $\leq$ 5mm.

It is therefore not necessary to carry out measurements to assess human exposure to radiofrequencies when the product is used more than 20 cm from the human body.

●●● End of test report ●●●