

Test Report

Shielding protection against commercial RFID frequencies / devices
(Frequency range 13.56MHz)

E. u. T.: Wallet

Type: Christian Wippermann Geldbörse

Art. No.: 16.104500CW

Manufacturer: Christian Wippermann GmbH
Wartenbergstraße 12
49082 Osnabrück
Germany

Date of tests: 09 / 04 / 2018

Place of tests: Perl - Sinz

Project no.: 79817_09042018_Wallet

Date of report: 12 / 04 / 2018

Pages complete: 9

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The test data of this test report relate only to the individual item which has been tested.

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1. Identification of test laboratory

Company name	SGS-TÜV Saarland Forster GmbH
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Laboratory accreditation	D-PL-12103-01-01 Registration FCC 90572 KBA-P-00029-98
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Personnel involved in this test report

Responsible for testing:	Mr M. Linder (MSc)
Responsible for test report:	Mr K.-H. Forster



Signature: *Karl-Heinz Forster*

2. Standards and requirements

Tests were performed according to:

MIL-STD 285 / IEEE-STD 299:2006
EN50147-1:1996
NSA 65-6

Internal Test Procedures:

SGS-TÜV Saarland Forster GmbH – RFID Blocking Test Procedure: 2015
SGS-TÜV Saarland Forster GmbH – RFID Blocking Live Test: 2016

Test environment

Temperature	21.0° C
Rel. humidity	52 %
Air pressure	1013 hPa

3. Interpretation and overview of test results

	Result
RFID Live Test 13.56MHz	Passed

4. Test setup and results live test

4.1. Test-setup – Live tests with 13.56MHz



RFID tag (transmit mode) was installed inside shielded compartments. RFID reader (receiving antenna) was installed directly at surface area on front and rear side of test sample. Receiving antenna was moved over complete surface area to find RFID tag inside compartments.

Result

RFID tag not readable during testing

5. List of test instruments

RFID live test

INV #	Test equipment	Type	Manufacturer	S/N #
#RFID1	RFID Transmitter -13.56MHz	Dragon	Conrad	None
#RFID2	RFID Transmitter -125kHz	TWT2021	TOWITEK	None
#RFID3	RFID Card	13.56MHz	Lab	001
#RFID4	RFID Card	125kHz	Lab	001
SW001	RFID Software	125kHz/13.56MHz	Dragon	001

6. Photos of E. u. T.



