SGS TÜV
SGS-TÜV Saarland Forster GmbH
Ein Unternehmen der SGS-Gruppe

DAkkS
Deutsche
Akkreditierungsstelle
D-PL-12103-01-01

Test Report

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

E. u. T.:	Travel Bag
Type:	Christian Wippermann Travel Bag
Art. No.:	12.112200WP
Manufacturer:	Christian Wippermann GmbH Wartenbergstraße 12 49082 Osnabrück Germany
Date of tests:	09 / 04 / 2018
Place of tests:	Perl - Sinz
Project no.:	79817_09042018_Bag
Date of report:	12 / 04 / 2018
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1. Identification of test laboratory

Company name	SGS-TÜV Saarland Forster GmbH
Address	Saarbruecker Strasse 1
	66706 Perl
	Germany
Laboratory accreditation	D-PL-12103-01-01
	Registration FCC 90572
	KBA-P-00029-98
Name for contact purposes	Mr Karl-Heinz Forster
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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

A Member of the SGS-Group and TÜV Saarland e.V.

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.