

**Status Research & Development GmbH**

# **CE TEST REPORT**

**SCOPE OF WORK:**

MPE Assessment Report

**Model:**  
Shell

**REPORT NUMBER**  
2511B1941SHA-001

**ISSUE DATE**  
Dec 22, 2025

**DOCUMENT CONTROL NUMBER**  
TTRF62311\_V1  
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**TEST REPORT**Telephone: 86 21 6127 8200  
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Report no. 2511B1941SHA-001

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Baarerstrasse 10, 6302 Zug, Switzerland**Manufacturer** : Status Research & Development GmbH  
Baarerstrasse 10, 6302 Zug, Switzerland**Manufacturing site** : ALTYOR Industries (Shanghai) Co., Ltd.  
152/1421 Zhuan Xing Dong Road Minhang District Shanghai,  
201108, CHINA**Summary**

The equipment complies with the requirements according to the following standard(s) or Specification:

**1999/519/EC:** COUNCIL RECOMMENDATION of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)**EN IEC 62311:2020:** Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)**PREPARED BY:**  
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Wakeyou Wang  
Reviewer

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**Revision History**

Report No.	Version	Description	Issued Date
2511B1941SHA-001	Rev. 01	Initial issue of report	Dec 22, 2025

## Measurement result summary

TEST	REFERENCE	RESULT
Assessment	1999/519/EC EN IEC 62311:2020	Pass

Notes: NA =Not Applicable

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## 1 GENERAL INFORMATION

### 1.1 Description of Equipment Under Test (EUT)

Product Name : Smart card adapter

Type/Model : Shell

Description of EUT : There is one model only.

Rating : Input: 5VDC 1A (USBc),  
Battery: 3.7VDC 800mAh

Brand name : Keycard

Category of EUT :  Class B  
 Class A

EUT type :  Table-top  
 Floor standing

Highest internal frequency : <250MHz

Cable supplied : USB-C to USB-C cable

## 2 RF Exposure Limit

Council Recommendation 1999/519/EC: The criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio-frequency radiation.

**Reference levels for electric, magnetic and electromagnetic fields (Table 2 of 1999/519/EC)**

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (uT)	Equivalent plane wave power density $S_{eq}$ (W/m <sup>2</sup> )
0-1 Hz	-	$3,2 \times 10^4$	$4 \times 10^4$	-
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	-
8-25 Hz	10 000	$4\,000/f$	$5\,000/f$	-
0,025-0,8 kHz	$250/f$	$4/f$	$5/f$	-
0,8-3 kHz	$250/f$	5	6,25	-
3-150 kHz	87	5	6,25	-
0,15-1 MHz	87	$0,73/f$	$0,92/f$	-
1-10 MHz	$87/f^{1/2}$	$0,73/f$	$0,92/f$	-
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375 f^{1/2}$	$0,0037 f^{1/2}$	$0,0046 f^{1/2}$	$f/200$
2-300 GHz	61	0,16	0,20	10

**Notes:**

1. *f* as indicated in the frequency range column.
2. For frequencies between 100 kHz and 10 GHz,  $S_{eq}$ ,  $E^2$ ,  $H^2$ , and  $B^2$  are to be averaged over any six-minute period.
3. For frequencies exceeding 10 GHz,  $S_{eq}$ ,  $E^2$ ,  $H^2$ , and  $B^2$  are to be averaged over any  $68/f^{1.05}$  - minute period (*f* in GHz).
4. No E-field value is provided for frequencies < 1 Hz, which are effectively static electric fields. For most people the annoying perception of surface electric charges will not occur at field strengths less than 25 kV/m. Spark discharges causing stress or annoyance should be avoided.
5. The shading grid stands for the applied limit in this report.

### 3 RF Exposure Assessment

Test result: **PASS**

#### 3.1 ASSESSMENT REQUIREMENTS

For non-radio transmitting apparatus, the compliance assessment to emissions of E or H field has to be made according to the highest internal frequency used within the apparatus under analysis or at which the apparatus operates with the following criteria:

- Highest internal frequency of the apparatus is less than 100MHz, the assessments shall be made up to 1GHz;
- Highest internal frequency of the apparatus is between 100MHz and 400MHz, the assessment shall be made up to 2GHz;
- Highest internal frequency of the apparatus is between 400MHz and 1GHz, the assessment shall be made up to 5GHz;
- Highest internal frequency of the apparatus is above 1GHz, the measurement shall be made up to 5 x the highest frequency.

#### 3.2 ASSESSMENT RESULT

Kind of emission:  unintentional radiators  intentional radiators

- Inherently compliant: unintentional radiators (for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters), is deemed to meet the requirements in this standard without test.
- Low power compliant: the equipment is deemed to meet the requirements in this standard without test for the radiated output power is lower than  $P_{max}$  (low-power exclusion level): 20mW.

- E-field strength Test:

##### TEST DATA SUMMARY

Carrier Frequency (MHz)	Distance between Field Sensor and device (cm)	Measured E-field Strength (V/m)	Limit (V/m)
/	/	/	/