



Technický skúšobný ústav Piešťany, a. s.
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Reg. No. 009/S-047

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TR: 250500207/E

Page: 1 / 43

Count of annex: 0

TEST REPORT

no.: 250500207/E

Test name : Safety requirements for electrical equipment

Test subject – by RA : Information technology equipment

Product name : Smart IoT Telemetry Unit

Marking – type / model : VADTel AloTU5

Manufacturer : V.A.D. Technical Engineering and Investment, s. r. o.
Konventná 6
811 03 Bratislava
Slovak Republic

Applicant : COCV TSÚ Piešťany
Krajinská cesta 2929/9
921 01 Piešťany
Slovak Republic

Order no. : 250500207

Testing location : Testing laboratory TSÚ Piešťany, a. s.
Krajinská cesta 2929/9
921 01 Piešťany
Slovak Republic

Test – procedure method : see chapter 2

Date of test performance : 01.10.2025 – 27.10.2025

Date of issue : 28.10.2025

Distribution : Copy no.1 – manufacturer
Copy no.2 – TSÚ Piešťany

 **TECHNICKÝ SKÚŠOBNÝ
ÚSTAV PIEŠŤANY, a. s.**
Krajinská cesta 2929/9
921 01 PIEŠŤANY
-213-

Tested and made by: **Ing. Jakub Šiška**
Testing engineer

Checked and approved by:

Ing. Ľuboš Vančo
Technical head of testing body

Test results introduced in this test report are related to the test subject only and do not replace other documents required by the state supervisory authorities and according to other specific regulations. Test report can be reproduced or published as a whole, in parts only with written approval of TSÚ test body. The testing laboratory declines responsibility for information supplied by the customer that may affect the validity of the results.

Test procedure:	Test methods: MPS 01/5.1 ÷ MPS 01/5.8 in scope of standard EN 62368-1:2014/AC:2015/A11:2017/AC Mar.:2017 Audio/video, information and communication technology equipment - Part 1: Safety requirements Test procedure deviation: none
Test conditions:	Temperature: 19 – 21 °C Relative humidity: 36 – 37 % Atmospheric pressure: 1024 – 1028 hPa
Test sample:	
Manufacturer:	V.A.D. Technical Engineering and Investment, s. r. o. Konventná 6 811 03 Bratislava Slovak Republic
Product name:	Smart IoT Telemetry Unit
Model:	VADTel AIoTU5
Serial number:	868064075763810, 868064075712510
Number of tested samples:	2 pcs.
Place and date of receipt of samples:	The samples were delivered to TSÚ Piešťany, a. s. on 25.09.2025 and recorded under the registration number 250500207/213/1-2.
Ratings:	Power rating: internal li-ion battery, 3.7 V IP rating: IP54
Copy of marking plate:	
<p>The artwork below may be a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.</p> <div data-bbox="263 1283 609 1861">  </div> <div data-bbox="635 1520 1326 1865">  </div>	

Summary of testing:							
<p>The product:</p> <p>Smart IoT Telemetry Unit, model: VADTel AIoTU5 was tested for compliance with the requirements of EN 62368-1:2014/AC:2015/A11:2017/AC Mar.: 2017</p>							
Conclusion:							
<p>EN 62368-1:2014/AC:2015/A11:2017/AC Mar.: 2017</p> <p>Audio/video, information and communication technology equipment - Part 1: Safety requirements</p>							
Section	clause 4	clause 5	clause 6	clause 7	clause 8	clause 9	clause 10
Test result	PASS	PASS	PASS	PASS	PASS	PASS	PASS
<p>Legend to the test verdicts used in this document:</p> <p>P (PASS) Test object does meet the requirements</p> <p>F (FAIL) Test object does not meet the requirements</p> <p>N (Not Performed) Test not performed</p> <p>N/A Test case does not apply to the test object</p> <p>REQUIREMENTS ARE MET IN ACCORDANCE WITH STANDARD</p>							

General product information:
<p>Product description:</p> <p>Smart IoT Telemetry Unit VADTel AIoTU5 is an Intelligent IoT telemetric module targeted for remote monitoring of utility meters with data transmission via GSM/GPRS networks. Contains on-board magnetic field sensors, count of detected field changes are reported into the cloud (remote server).</p> <p>It is powered by internal li-ion battery, 3.7 V.</p> <p>Operational frequency bands are GSM850, EGSM900, DCS1800, PCS1900.</p>
<p>Model differences:</p> <p>---</p>
<p>Attachments:</p> <p>---</p>

Test object particulars:		
Classification of use by	<input checked="" type="checkbox"/> Ordinary person <input type="checkbox"/> Instructed person <input type="checkbox"/> Skilled person <input type="checkbox"/> Children likely to be present	
Supply connection	<input type="checkbox"/> AC Mains <input type="checkbox"/> DC Mains <input checked="" type="checkbox"/> ES1 <input type="checkbox"/> ES2 <input type="checkbox"/> ES3 <input checked="" type="checkbox"/> not mains connected	
Supply (%) tolerance	<input type="checkbox"/> +10%/-10% <input type="checkbox"/> +20%/-15% <input type="checkbox"/> +10%/ -15% <input checked="" type="checkbox"/> None	
Supply Connection – Type	<input type="checkbox"/> pluggable equipment type A - <input type="checkbox"/> non-detachable supply cord <input type="checkbox"/> appliance coupler <input type="checkbox"/> direct plug-in <input type="checkbox"/> mating connector <input type="checkbox"/> pluggable equipment type B - <input type="checkbox"/> non-detachable supply cord <input type="checkbox"/> appliance coupler <input type="checkbox"/> permanent connection <input type="checkbox"/> mating connector <input checked="" type="checkbox"/> other: built-in DC power source (battery)	
Considered current rating of protective device as part of building or equipment installation.....	Installation location: <input type="checkbox"/> building; <input checked="" type="checkbox"/> equipment	
Equipment mobility.....	<input checked="" type="checkbox"/> transportable <input checked="" type="checkbox"/> hand-held <input checked="" type="checkbox"/> movable <input type="checkbox"/> for building-in <input checked="" type="checkbox"/> *stationary - fixed <input type="checkbox"/> direct plug-in <input type="checkbox"/> rack-mounting <input type="checkbox"/> wall-mounted Note: It is possible to fix equipment with mounting means supplied with equipment. When not fixed, equipment is transportable, movable, hand-held.	
Over voltage category (OVC)	<input type="checkbox"/> OVC I <input type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input checked="" type="checkbox"/> other: ____ N/A ____	
Class of equipment	<input type="checkbox"/> Class I <input type="checkbox"/> Class II <input checked="" type="checkbox"/> Class III	
Access location	<input type="checkbox"/> restricted access location <input checked="" type="checkbox"/> N/A	
Pollution degree (PD)	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3	
Manufacturer's specified min-max operating ambient temperature:	-30°C...60°C	
IP protection class	<input type="checkbox"/> IPX0 <input checked="" type="checkbox"/> IP54	
Altitude during operation (m)	<input checked="" type="checkbox"/> 2000 m or less <input type="checkbox"/> _____ m	
Mass of equipment (kg)	<input checked="" type="checkbox"/> < 0.5 kg	
The following abbreviations were used in this document:		
AC: Alternating Current	DC: Direct Current	PE: Protective earth
PRI: Primary circuit	SEC: Secondary circuit	PS: Power Supply
GND: Ground	PCB: Printed circuit board	BAT: Battery
EUT: Equipment Under Test	OC: Open Circuit	SC: Short Circuit

The full version of the document is available upon official request.