





TSÚ Testing laboratory - Testing laboratory of machinery, EMC and RED

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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

Tested and made by:

Ing. Jakub Šiška Testing engineer Checked and approved by:

Ing. Ľuboš Vančo
Technical head of testing body

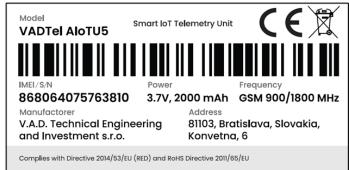
Test results introduced in this test report are related to the test subject only and do not replace other documents required by the state supervisory authorities and according to other specific regulations. Test report can be reproduced or published as a whole, in parts only with written approval of 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 AloTU5
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
Conv. of marking plata	

Copy of marking plate:

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.





Summary of testing: The product: Smart IoT Telemetry Unit, model: VADTel AloTU5 was tested for compliance with the requirements of EN 62368-1:2014/AC:2015/A11:2017/AC Mar.: 2017 Conclusion: EN 62368-1:2014/AC:2015/A11:2017/AC Mar.: 2017 Audio/video, information and communication technology equipment - Part 1: Safety requirements Section clause 4 clause 5 clause 6 clause 7 clause 8 clause 9 clause 10 **Test result PASS PASS PASS PASS PASS PASS PASS** Legend to the test verdicts used in this document: P (PASS) Test object does meet the requirements F (FAIL) Test object does not meet the requirements N (Not Performed) Test not performed N/A Test case does not apply to the test object REQUIREMENTS ARE MET IN ACCORDANCE WITH STANDARD General product information: **Product description:** Smart IoT Telemetry Unit VADTel AloTU5 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). It is powered by internal li-ion battery, 3.7 V. Operational frequency bands are GSM850, EGSM900, DCS1800, PCS1900. Model differences:

Attachments:

Test object particulars:		
Classification of use by:		
	☐ Skilled person ☐ Children likely to be present	
Supply connection:	AC Mains DC Mains	
	⊠ ES1 □ ES2 □ ES3	
	□ not mains connected	
Supply (%) tolerance	☐ +10%/-10% ☐ +20%/-15%	
	☐ +10%/ -15%	
Supply Connection – Type	☐ pluggable equipment type A -	
	non-detachable supply cord	
	appliance coupler	
	direct plug-in	
	mating connector	
	☐ pluggable equipment type B -	
	non-detachable supply cord	
	appliance coupler	
	permanent connection mating connector	
	other: built-in DC power source (battery)	
Considered current rating of protective device		
as part of building or equipment installation:	Installation location: Duilding; equipment	
Equipment mobility	☐ transportable ☐ hand-held ☐ movable	
	☐ for building-in ☐ *stationary - fixed ☐ direct plug-in	
	rack-mounting 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)		
	OVC IV Solution other:N/A	
Class of equipment	☐ Class II ☐ Class III	
Access location:	☐ restricted access location ☐ N/A	
Pollution degree (PD)	☐ PD 1 ☐ PD 3	
Manufacturer's specified min-max operating	2000 2000	
ambient temperature:	-30°C60°C	
IP protection class	□ IPX0 ☑ IP54	
Altitude during operation (m)	2000 m or less m	
Mass of equipment (kg):	< 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 circ	•	
EUT: Equipment Under Test OC: Open Circuit SC: Short Circuit		

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