G3-PLC CERTIFIED FCC

C E R T I F I C A T E

Certificate registration number: G3.1810.246.2.C3

Certificate holder: ISKRAEMECO, merjenje in upravljanje energije, d.d.

Product designation: AM550-ED / AC150-G3,
Hardware version 028.640.164, Firmware version 5.0

Certification date: October 26th, 2018

This certificate indicates the above mentioned product successfully completed certification testing with regards to the reference specification ITU G.9903 (08-2017).

The certificate applies to certification profile FCC Multipurpose Worldwide and the device was configured as a PAN-Device.

Test cases have been performed as described in the test report referred to below. This certificate is granted on account of tests conducted by Laboratoire des Applications Numériques (LAN) in Tauxigny, France in September – October 2018. The results and remarks can be found in the complete test report.

Applied tests	Performed by	Document evidence
Conformance, interoperability and performance testing according to the test specification referenced by the test report	Laboratoire des Applications Numériques (LAN)	LAN18AF037

The device tested is a G3-PLC FCC 1-phase meter. The meter is equipped with the G3-PLC certified platform ENIGMA with certificate no. G3.1805.211.1.C3. The Protocol Implementation Conformance Statement in the Annex includes the PICS related to performance and is an integral part of this certificate. This certificate is valid from October 26th, 2018.

Only performance testing was done for this meter because the G3-PLC module was identical to the G3-PLC module in the certified 3-phase meter AM550-TD / AC150-G3 with reference G3.1810.247.2.C3. This 3-phase meter was successfully tested for conformance and 1-to-1 Interoperability as well as for performance.

The certificate is only applicable to the product described above and permits the use of the G3-PLC™ logo as laid down in the G3-PLC logo license agreement.

This certificate does not imply assessment of the production. This certificate shall not be defined, or used as a guarantee covering quality of a product which includes G3-PLC. The liability of the Alliance and the test laboratory or any of her representatives is excluded for any damages or losses of the certified company.

Paris, October 26th, 2018

For the G3-PLC Alliance:

Bernard Lassus
Chairman

G3-PLC Alliance

Madeleine Francillard
Chair Certification Program

Annex 2: Protocol Implementation Conformance Statement (PICS)

Feature implementation statement

Name	Value	Description
BAND_PLAN	FCC	Indicate the band-plan supported by the device.
FEATURE_PAN_COORDINATOR	FALSE	Indicate if the device is a PAN-Coordinator (true) or a normal device (false).
FEATURE_COHERENT_MODULAT ION	FALSE	Indicate if coherent modulation is supported.
FEATURE_EAP_SERVER	FALSE	Indicate if an EAP-PASK server is implemented by the DUT. Apply only if FEATURE_PAN_COORDINATOR = true.
FEATURE_D8PSK_MODULATION	TRUE	True / False
FEATURE_ROUTING	TRUE	Indicate if the routing is implemented by the IUT.
FEATURE_SECURITY	F1	Indicate the security implemented by the device. Possible values are: F1, F2.
FEATURE_ACTIVE_SCAN	TRUE	Indicate if the active scan process is done by the IUT after power-up.
FEATURE_PREAMBLE_COEXISTE NCE_MECHANISM	FALSE	Indicate if the preamble-based coexistence mechanism is used by the IUT.

Annex 2: Protocol Implementation Conformance Statement (PICS)

PICS related to performance (1/2)

The device tested is a G3-PLC FCC 1-phase meter. Testing was performed on phase 1.

Operating voltage applied for certification testing was 230V/50Hz.

Name	Value	Unit	Description

PICS related to performance are available through vendor only.

Annex 2: Protocol Implementation Conformance Statement (PICS)

PICS related to performance (2/2)

Name	Value	Unit	Description

PICS related to performance
are available
through vendor only.

Annex 3:
Copy of test report cover sheet

G3-PLC Certification Test Report

ISKRAEMECO	AM550-ED / AC150-G3 HW:028.640.164 FW: 5.0		
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G3-PLC Alliance
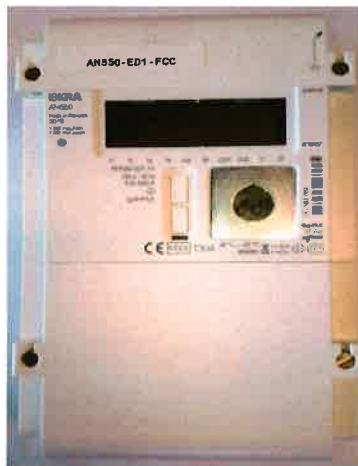
G3-PLC Product Certification
Test Report

Vendor Name: **ISKRAEMECO, merjenje in upravljanje energije, d.d.**

Model Name: **AM550-ED / AC150-G3**
Serial N°: **20180769**
HW version: **028.640.164**
FW version: **5.0**

Test Report #: **TR_LAN18AF037 Ed.00**
Date: **October 25, 2018**

CONF Tests Specification	version 0.25.	13/09/2017
CONF Tests Suite	version 2.6.	10/2017
IOT Tests Specification	version 0.10.	08/09/2017
IOT Tests Suite	version 2.3.	09/2017
PERF Tests Specification	version 0.23	16/08/2017
PERF Tests Suite	version 2.6p1.	02/2018

Test Tool	version 1.8	
Tester Modem	version 1.10	
Certification Test Procedures	version 1.12	08/04/2018

Certification Profile: **C (FCC)**
Role: **Meter**
Overall Verdict: **PASS**

Initiation	Date	Description of modification	Ed.
Omar DIOUF	October 25, 2018	Creation	00

	Realised by	Checked by	Approved by
Name	Omar DIOUF	Vincent BUCHOUX	Thierry DOLIGEZ
Date	October 25, 2018	October 25, 2018	October 25, 2018
Sign			