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Certificate registration number: G3.2212.545.2.C5

Certificate holder: Landis+Gyr AG

Product designation: E450 G3-IDIS 1-phase Hardware version ZCXi1x0xQ S5, Firmware version CPX3_04_05

Certification date: December 12th 2022

This certificate indicates the above mentioned product successfully completed certification testing with regards to the reference specification ITU G.9903 (08-2017). The optional feature coherent mode of the G3-PLC protocol is also covered by this certification.

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 November 2022. 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)	LAN22AF037

The device tested is a G3-PLC FCC 1-phase meter. The meter is equipped with the G3-PLC certified platform REL-G3PLC-CPX3 with certificate no. G3.1907.306.1.C4. Modifications of the platform have been done by the platform manufacturer. 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 December 12th 2022.

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, December 12th 2022

For the G3-PLC Alliance:

Marc Delandre Chairman

Madeleine Francillard Chair Certification Program





Annex 1: 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	TRUE	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	Indicate if D8PSK modulation is supported	
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	

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Annex 2: Protocol Implementation Conformance Statement (PICS)

PICS related to performance (1/2)

Name

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.

Value Unit

PICS related to	performance
are ava	ailable
through ve	endor only.

II ME

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Annex 2: Protocol Implementation Conformance Statement (PICS)

PICS related to performance (2/2)

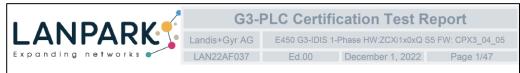
Name	Value	Unit	Description
PICS	relat a thro	ed t re a' ugh	o performance vailable vendor only.
VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	///////	<u> </u>	

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Annex 3: Copy of test report cover sheet



G3-PLC Alliance

G3-PLC Product Certification Test Report

Vendor Name Landis+Gyr AG

Model Name E450 G3-IDIS 1-Phase

version 0.32.

version 0.13.

version 2.0

version 2.11.p2.

 Serial N°
 61589656

 HW version
 ZCXi1x0xQ S5

 FW version
 CPX3_04_05

Test Report # TR_LAN22AF037 Ed.00
Date December 1, 2022

CONF Tests Specification
CONF Tests Suite
IOT Tests Specification
IOT Tests Suite
PERF Tests Specification
PERF Tests Suite

IOT Tests Suite
PERF Tests Specification
PERF Tests Suite

Test Tool
Test Tool
Tester Modem

version 2.6.p2.
version 0.27.
version 2.11.p2.

version 2.3
version 2.0

Certification Profile C (FCC)
Role Meter
Overall Verdict PASS

Certification Test Procedures

Initiation	Date	Description of modification	Ed.
Omar DIOUF	December 1, 2022	Creation	00
	Realised by	Checked by	Approved by
Name	Omar DIOUF	Vincent BUCHOUX	Thierry DOLIGEZ
Date	December 1, 2022	December 1, 2022	December 1, 2022
Sign	8	V. S. X	

The current report and the test results produced in this current are given for information only and must not be relied on by any third person for any reason.

This report contains an assessment of the apparatus carried out on samples submitted to the laboratory. The results in this report relate only to the items tested and were obtained in the period between the initial receipt of samples and the issue of the report. It should be noted that technical hardware or software modifications on the apparatus may impact the results reported in this document.

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