

Certificate registration number: G3.2202.492.2.C5

Certificate holder: TR Group (Pty) Ltd

Product designation: XL521, Hardware version 521, Firmware version V6.1.3.65 6.0.0.3

Certification date: February 11th, 2022

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 January 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)	LAN20AF004

The device tested is a G3-PLC FCC 1-phase meter. The meter is equipped with the G3-PLC certified platform Vango PLC V630x+V600x with certificate no. G3.1909.318.1.C4. 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 February 11th 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, February 11th 2022

For the G3-PLC Alliance:

Marc Delandre

Chairman

Madeleine Francillard Chair Certification Program



Authenticity of this certificate can be verified at <u>https://www.g3-plc.com/g3-plc-certification/</u> Page

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Annex 1: Protocol Implementation Conformance Statement (PICS)

G3-PLC FCC

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	FALSE	Indicate if coherent modulation is supported.
		Indicate if an EAP-PASK server is implemented by the DUT.
FEATURE_EAP_SERVER	FALSE	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.

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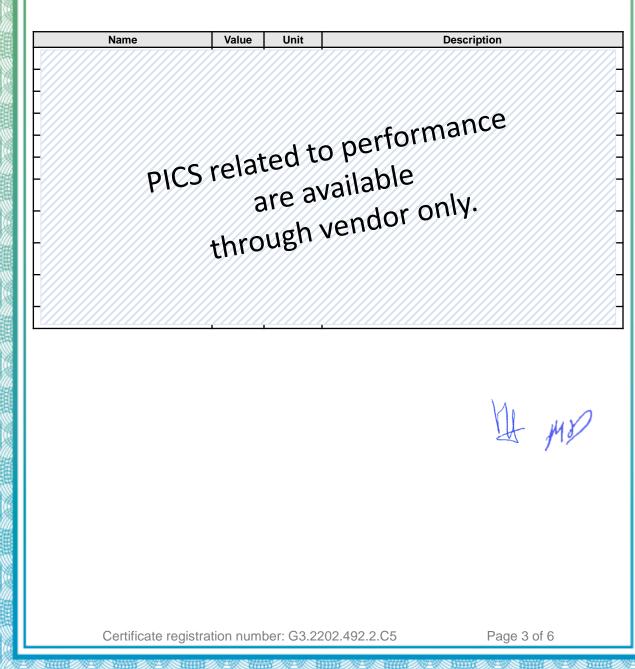
Annex 2: Protocol Implementation Conformance Statement (PICS)

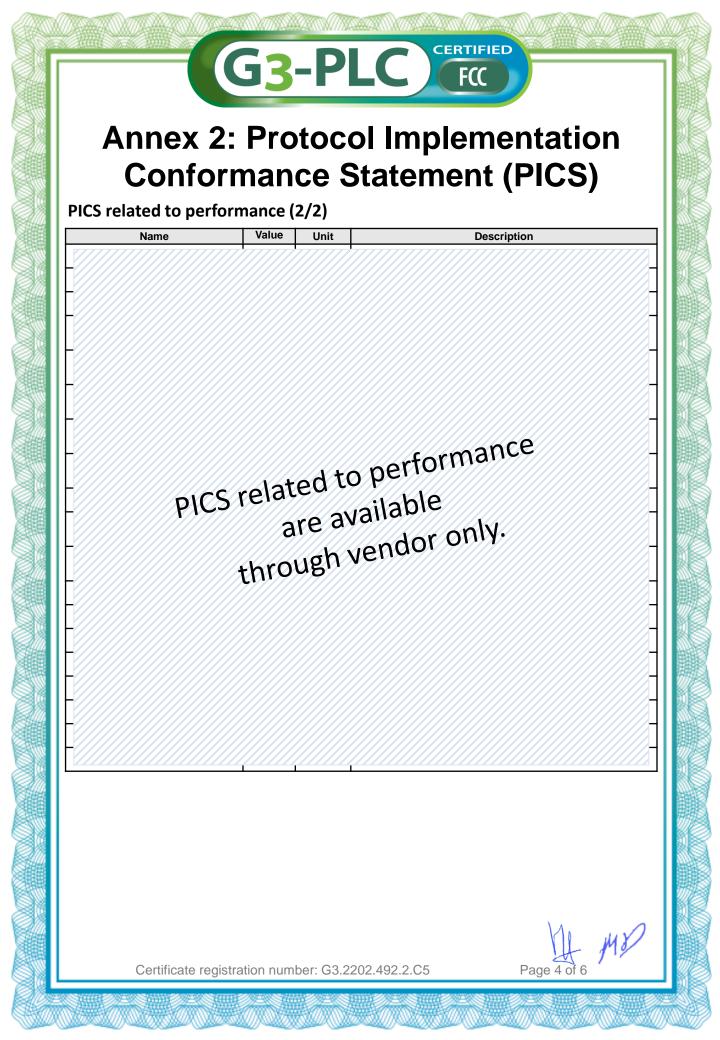
G3-PLC FCC

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.





Annex 3: Copy of test report cover sheet

G3-PLC



33-PLC Certification Test Report (Pty) Ltd XL521 HW:521 FW: V6.1.3.65_6.0.0.3 LAN20AF004 Ed.00 February 10, 2022 Page 1/47

CERTIFIED

FCC

G3-PLC Alliance **G3-PLC Product Certification Test Report**

15/03/2021

28/12/2018

05/03/2019

12/04/2021

04/2021

03/2021

04/2021

Vendor Name

Model Name Serial N° HW version FW version

Test Report # Date

Test Tool

TR_LAN20AF004 Ed.00 February 10, 2022 **CONF** Tests Specification version 0.32.

521

XL521

81118159615

V6.1.3.65_6.0.0.3

TR Group (Pty) Ltd

version 2.11.p2. CONF Tests Suite **IOT Tests Specification** version 0.13. version 2.6.p2. **IOT Tests Suite** PERF Tests Specification version 0.27. PERF Tests Suite version 2.11.p2.

version 2.3 version 2.0 Tester Modem **Certification Test Procedures** version 2.0

Certification Profile Role Overall Verdict

C (FCC) Meter PASS



Initiation	Date	Description of modification	Ed.
Omar DIOUF	February 10, 2022	Creation	00
	Realised by	Checked by	Approved by
Name	Omar DIOUF	Vincent BUCHOUX	Thierry DOLIGEZ
Date	February 10, 2022	February 10, 2022	February 10, 2022
Sign	SM/	V.B.X	
			K

ent 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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