



C E R T I F I C A T E

Certificate registration number: G3.2201.479.2.C5

Certificate holder: SAGEMCOM

Product designation: S210,
Hardware version 253872260, Firmware version 6.1.20 v15a0c666 r1.9rc1

Certification date: January 4th 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 features Hybrid PLC&RF and coherent mode of the G3-PLC protocol are also covered by this certification.

The reference version for the optional hybrid feature is the G3-PLC Hybrid PLC&RF companion specification v0.11 (31-07-2020). 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 December 2021. 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)	LAN21AF072

The device tested is a G3-PLC FCC Hybrid PLC&RF 1-phase meter. The meter is equipped with the G3-PLC certified platform ST8500 + S2-LP with certificate no. G3.2111.470.1.C5. 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 January 4th 2022.

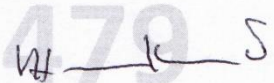
The certificate is only applicable to the product described above and permits the use of the G3-PLC™ logo as laid down in the G3-PLC logo license agreement.

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, January 4th 2022

For the G3-PLC Alliance:


Marc Deiane
Chairman


479 S

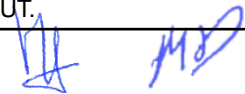
Madeleine Francillard
Chair Certification Program

G3-PLC
Alliance

Annex 1: Protocol Implementation Conformance Statement (PICS)

Feature implementation statement

Name	Value	Description
BAND_PLAN	FCC	Indicate the band-plan supported by the device.
BAND_PLAN_RF	863-870 MHz, mode #1	Indicate the RF band-plan.
FEATURE_HYBRID_RF	TRUE	Indicate if Hybrid PLC&RF feature is supported.
FEATURE_PAN_COORDINATOR	FALSE	Indicate if the device is a PAN-Coordinator (true) or a normal device (false).
FEATURE_COHERENT_MODULATION	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	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_COEXISTENCE_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 Hybrid 1-phase meter. Testing was performed on phase 1. Operating voltage applied for certification testing was 230V/50Hz .

Name	Value	Unit	Description
<p>PICS related to performance are available through vendor only.</p>			



Annex 2: Protocol Implementation Conformance Statement (PICS)

PICS related to performance (2/2)

Name	Value	Unit	Description
<p>PICS related to performance are available through vendor only.</p>			

Annex 3: Copy of test report cover sheet



G3-PLC Certification Test Report



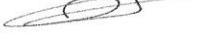
SAGEMCOM	S210 HW:253872260 FW: 6.1.20 v15a0c666 r1.9rc1	
LAN21AF072	Ed.00	December 30, 2021
		Page 1/57

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

Vendor Name	SAGEMCOM		
Model Name	S210		
Serial N°	178110031921		
HW version	253872260		
FW version	6.1.20 v15a0c666 r1.9rc1		
Test Report #	TR_LAN21AF072 Ed.00		
Date	December 30, 2021		
CONF G3-PLC Tests Specification	version 0.32.	15/03/2021	
CONF G3-PLC Tests Suite	version 2.11.p2.	04/2021	
CONF HYBRID Tests Specification	version 0.7.	15/03/2021	
CONF HYBRID Tests Suite	version 1.2.p5.	07/2021	
IOT G3-PLC Tests Specification	version 0.13.	28/12/2018	
IOT G3-PLC Tests Suite	version 2.6.p2.	03/2021	
IOT HYBRID Tests Specification	version 0.4.	15/03/2021	
IOT RF Tests Suite	version 1.2.p1.	03/2021	
PERF G3-PLC Tests Specification	version 0.27.	05/03/2019	
PERF G3-PLC Tests Suite	version 2.11.p2.	04/2021	
Test Tool PLC	version 2.3		
Tester Modem PLC	version 2.0		
Test Tool PLC+RF	version 3.1		
Tester Modem PLC+RF	version 7		
Certification Test Procedures	version 2.0	12/04/2021	
Certification Profile	HYBRID : FCC – RF		
Role	Meter		
Overall Verdict	PASS		



Initiation	Date	Description of modification	Ed.
Omar DIOUF	December 30, 2021	Creation	00

	Realised by	Checked by	Approved by
Name	Omar DIOUF	Vincent BUCHOUX	Thierry DOLIGEZ
Date	December 30, 2021	December 30, 2021	December 30, 2021
Sign			

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.