



Product Service

EU Type Examination Certificate

Certificate No: TPS-RED501023 i02

Certificate Holder: Huawei Digital Power Technologies Co., Ltd.
Office 01, 39th Floor, Block A
Antuoshan Headquarters Towers
33 Antuoshan 6th Road, Futian District
518043 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Product Type: Wireless LAN equipment
Energy Management Assistant, SmartAssistant

Model(s): EMMA-A01, EMMA-A02, SA4H-A02

We, as Notified Body number 0123, have examined the technical documentation and supporting evidence for the above listed equipment and found it to comply with the requirements of Annex III Module B of Radio Equipment Directive 2014/53/EU in relation to the following essential requirements covered by the examination.

Essential Requirements: Article 3.3 (d) in respect to network protection

The certificate has been issued in accordance with the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Product Service GmbH (Notified Body Number 0123).

The CE marking may be used on the equipment described above subject to the equipment meeting the compliance requirements of all applicable EU directives.

The conditions for the validity of this certificate are listed in the following pages.
For further details related to this certification please contact ps.zert@tuvsud.com

This is based upon examination of the following Technical Data file.

Technical Documentation: EMMA-A01 (v) up2 RED TCF

Valid from: 2025-10-14

The RED state of the art for this certificate will be monitored for 5 years after the issue date until 2030-10-12. During this time, the certificate might be re-evaluated if underlying standards change. In any case, after this 5-year period the certificate will be required to be up re-issued or will be automatically withdrawn.

(Laurentiu Dan Miiler)

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1 Equipment Description

The device manages energy in a home with a PV system where it can implement unified scheduling and management of home energy supporting Wi-Fi at 2.4GHz radio interface .

1.1 Models

| | Product Name | Model | HW Version | SW Version | OS Version |
|-----------------|-----------------------------|-----------------------|---------------|--|------------|
| Original | Energy Management Assistant | EMMA-A01, EMMA-A02 | EN61CTLWA A.5 | SmartHEMS V100R025C00SPC[XXX] (The identifier placeholder XXX indicates a bug fix or patch version only, which does not change any cyber security function. XXX = 000-999 and is increased for each update release.) | RTOS 208 |
| Variant | SmartAssistant | SA4H-A02 | | | |

1.2 Supported Functions and Features

1.2.1 Non-radio features

Rated Input/Output: 100-240VAC, 50/60Hz; 63A Max or 346-415VAC; 3W+N; 50/60Hz; 63A Max or 346-415VAC; 3W; 50/60Hz; 63A Max.

Ports: RS485 port, WAN port, LAN port

1.2.2 Radio features

| Radio | Feature | Operating Spectrum / Max Power | |
|-----------------------|-----------------|--------------------------------|----------|
| IEEE 802.11 – 2.4 GHz | b/g/n, Adaptive | 2400-2483.5 MHz | 20.0 dBm |

1.3 Accessories

| Model / Part Number | Description |
|---------------------|-------------|
| N/A | N/A |



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2 Assessed Standards

| Essential Requirement | Assessed Standards |
|--|--------------------|
| Article 3.3(d) [Network protection] | EN 18031-1:2024 |

3 Technical Documentation

3.1 Technical Documentation

Technical documentation and supporting evidence were examined and found to comply with the EU-type examination requirements in conjunction with Annex V requirements of the directive.

3.2 Declarations

| | | |
|--|--------|------------|
| Declaration of Conformity for EMMA-A02 (v) up2 for CE, Draft | Dated | 2025-10-13 |
| Model Difference Declaration Letter for EMMA-A02 (v) up2 for RED | Issued | 2025-10-11 |

3.3 Strategic Documentation

| | | |
|---|----------|------------|
| Risk Assessment Letter of EMMA-A02 (v) up2 for RED | Issued | 2025-10-13 |
| Justification of Conformity of EMMA-A02 (v) up2 for RED | Modified | 2025-10-14 |

3.4 Technical Compliance Documentation

3.4.1 Article 3.3(d)

| | | |
|---------------|--------|------------|
| 6818925034902 | Issued | 2025-10-11 |
|---------------|--------|------------|

4 Additional Information

None.

5 Conditions of Validity

For complete conformity to the Radio Equipment Directive requirements as applicable inside the European Union, this product requires the essential requirements of RED Article 3.1(a), 3.1(b) and 3.2 that are not covered on this type examination certificate.