



EU-Type Examination Certificate

with respect to the presumption of
Compliance of a product with the essential requirements of

RE DIRECTIVE 2014/53/EU

Certificate Number	CS32096
Certificate Holder	ALTENERGY POWER SYSTEM INC.
Address	No.1 Yatai Road, Jiaxing 314050 Zhejiang Province, P.R. China
Manufacturer	ALTENERGY POWER SYSTEM INC.
Address	No.1 Yatai Road, Jiaxing 314050 Zhejiang Province, P.R. China
Product Type/Description	Energy Communication Unit
Trade Name	APsystems for ECU-R,ECU-B; LITAGRO for LCU
Model Number	ECU-R, ECU-B, LCU
Product Identification Element	ECU-R, ECU-B, LCU

Applied / Complied Harmonized Standards		Complied
RE Directive 2014/53/EU, Article 3(1)(a) ■ Safety	EN 62368-1:2014+A11:2017	Y
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health	EN 62311:2008, EN 50665:2017	Y
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	EN 55032:2015, EN 55035:2017 EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4	Y
RE Directive 2014/53/EU, Article 3(2) ■ Radio	EN 300 328 V2.2.2	Y

Authorized By:

Darren Shih

Darren Shih, Senior Manager

Issue Date: Jan. 6, 2021

Expiry Date: Jan. 5, 2026

PS: This Certificate is Issued in Accordance with Annex III of the RE Directive 2014/53/EU and is only valid in Conjunction with the Following Annex I.

Bureau Veritas Consumer Products Services, Inc.
775 Montague Expressway, Milpitas, CA 95035, USA
Tel: 408 526 1188, Fax: 408 526 1088,

Website: <https://www.cps.bureauveritas.com/>, Email: bureauveritas@bureauveritas.com



Annex I of RED EU-TYPE Examination Certificate

Certificate Number: CS32096

Product Specifications	
Frequency Range	2412MHz – 2472 MHz (WIFI), 2405MHz – 2480 MHz (Zigbee)
RF Output Power (EIRP)	16.56 dBm (WIFI), 9.50 dBm (Zigbee)
Type of Antenna	External antenna
Modulation	DSSS,OFDM
Mode of Operation (Simplex / Duplex)	Duplex
Duty Cycle	-
Comments	- There are 3 variable family models which are electrically identical in this CE RED NB Certificate. The only difference is the model name, trade mark for trading purposes.

Technical Documentation Identification

Test Report	
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health & Safety	ZEK-ESH-P20101838B-5 (Health), ZEK-ESH-P20101733 (Safety)
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	ZEK-ESH-P20101838B-3, ZEK-ESH-P20101838B-4
RE Directive 2014/53/EU, Article 3(2) ■ Radio	ZEK-ESH-P20101838B-1, ZEK-ESH-P20101838B-2
EUT Photos	<input checked="" type="checkbox"/>
User Manual	<input checked="" type="checkbox"/>
Product Label	<input checked="" type="checkbox"/>
Block Diagram	<input checked="" type="checkbox"/>
Circuit Diagram	<input checked="" type="checkbox"/>
Operational description	<input checked="" type="checkbox"/>
BOM	<input checked="" type="checkbox"/>
PCB layout	<input checked="" type="checkbox"/>
Declaration of Conformity	<input checked="" type="checkbox"/>
Risk Assessment	<input checked="" type="checkbox"/>
Package	<input checked="" type="checkbox"/>

Based on the evidence presented, our certificate in accordance with Annex III of Council Directive 2014/53/EU on Radio Equipment Directive and the mutual recognition of their conformity is that the apparatus identified above complies with the requirements of that Directive stated above.

Note: Compliance with the above Directive does not guarantee the right to use the above mentioned equipment in any EU member state. No configuration, other than described above, has been considered and is therefore not included in this certificate.

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Please check the validation of this certificate at [BV CPS Cert Validation Portal](#)