



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	CS35552
Certificate Holder	ALTENERGY POWER SYSTEM INC.
Address	Building 2, No. 522, Yatai Road, Nanhu District, Jiaxing City, Zhejiang 314050, China
Manufacturer	ALTENERGY POWER SYSTEM INC.
Address	Building 2, No. 522, Yatai Road, Nanhu District, Jiaxing City, Zhejiang 314050, 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 IEC 62368-1:2020+A11:2020 IEC 62368-1: 2018	Y
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health	EN 50665:2017	Y
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	EN 55032:2015+A11:2020+A1:2020 EN 55035:2017+A11:2020 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
RE Directive 2014/53/EU, Article 3(3) ■ Certain categories	-	NA

*Note: This is a non-harmonized radio standard accepted by the RED (Radio Equipment Directive).

Authorized By: *Darren Shih*

CERTIFIER, TITLE

Issue Date: December 16, 2022

Expiry Date: December 15, 2027

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: CS35552

Product Specifications	
Frequency Range	WiFi: 2412MHz to 2472MHz; Zigbee: 2405MHz to 2480MHz
RF Output Power (EIRP)	WiFi: 16.56dBm; Zigbee: 9.50dBm
Type of Antenna	External Antenna
Modulation	DSSS, OFDM
Mode of Operation (Simplex / Duplex)	Duplex
Duty Cycle	-
Comments	<p>- This CE RED Variant certificate is based on the original cert. No. CS32096 which had been issued on Jan. 6, 2021 to update standards, the related RF/EMC testing has been implemented and comply with the RED requirement.</p> <p>- All the models in this CE RED NB Certificate are identical in circuitry and electrical, mechanical and physical construction; the only differences are the appearance and model No. for marketing purpose.</p>

Technical Documentation Identification

Test Report	
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health & Safety	ZEK-ESH-P22100355B-5 (Health), ZEK-ESH-P22100357 (Safety)
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	ZEK-ESH-P22100355B-3, ZEK-ESH-P22100355B-4
RE Directive 2014/53/EU, Article 3(2) ■ Radio	ZEK-ESH-P22100355B-1, ZEK-ESH-P22100355B-2
RE Directive 2014/53/EU, Article 3(3) ■ Certain categories	-
User Manual	<input checked="" type="checkbox"/>
Product Label	<input checked="" type="checkbox"/>
Block Diagram	<input checked="" type="checkbox"/>
Circuit Diagram	<input checked="" type="checkbox"/>
BOM	<input checked="" type="checkbox"/>
Declaration of Conformity	<input checked="" type="checkbox"/>
Risk Assessment	<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.