

**TCB**

**GRANT OF EQUIPMENT  
AUTHORIZATION**

**TCB**

**Certification  
Issued Under the Authority of the  
Federal Communications Commission  
By:**

**Bureau Veritas Consumer Products  
Services, Inc.  
775 Montague Expressway  
Milpitas, CA 95035**

**Date of Grant: 06/23/2020**

**Application Dated: 06/23/2020**

**Altenergy Power System Inc.  
No.1, Yatai Road, Jiaxing Zhejiang  
314050 P.R. China  
Jiaxing,  
China**

**Attention: Kevin Lu , engineer**

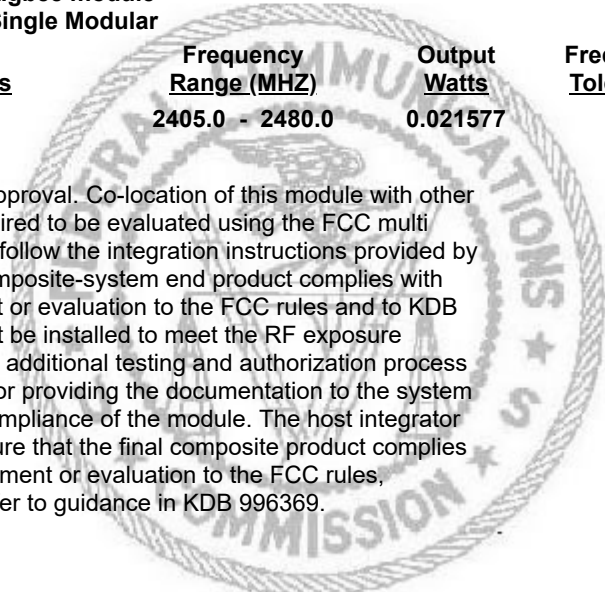
**NOT TRANSFERABLE**

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

**FCC IDENTIFIER:** 2AFGR-APS2530H  
**Name of Grantee:** Altenergy Power System Inc.  
**Equipment Class:** Digital Transmission System  
**Notes:** Zigbee module  
**Modular Type:** Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2405.0 - 2480.0	0.021577		

RF output power is conducted. Single Modular Approval. Co-location of this module with other transmitters that operate simultaneously are required to be evaluated using the FCC multi transmitter procedures. The host integrator must follow the integration instructions provided by the module manufacturer and ensure that the composite-system end product complies with the FCC requirements by a technical assessment or evaluation to the FCC rules and to KDB Publication 996369. The module antenna(s) must be installed to meet the RF exposure compliance separation distance of 20cm and any additional testing and authorization process as required. The module grantee is responsible for providing the documentation to the system integrator on restrictions of use, for continuing compliance of the module. The host integrator installing this module into their product must ensure that the final composite product complies with the FCC requirements by a technical assessment or evaluation to the FCC rules, including the transmitter operation and should refer to guidance in KDB 996369.







**Certification  
Issued Under the Authority of the  
Federal Communications Commission  
By:**

**PHOENIX TESTLAB GmbH  
Koenigswinkel 10  
32825 Blomberg,  
Germany**

**Date of Grant: 09/02/2015  
Application Dated: 09/02/2015**

**Altenergy Power System Inc.  
No.1, Yatai Road, Jiaxing Zhejiang  
314050 P.R. China  
Jiaxing,  
China**

**Attention: Kevin Lu , engineer**

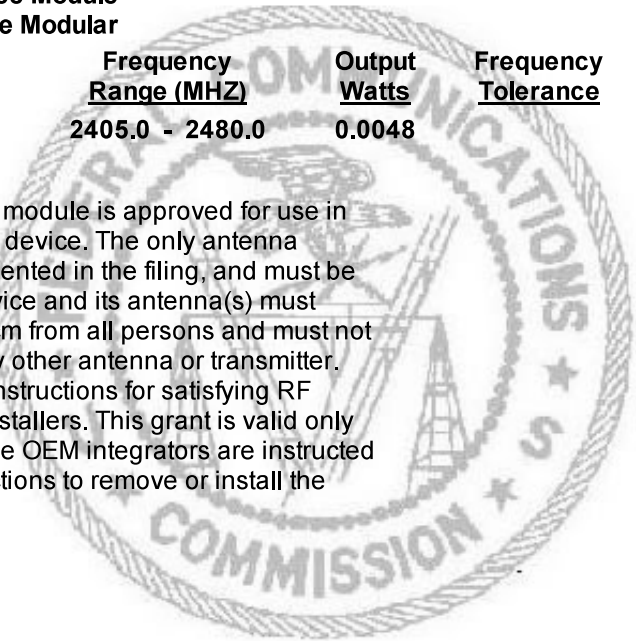
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**FCC IDENTIFIER:** 2AFGR-APS2530P  
**Name of Grantee:** Altenergy Power System Inc.  
**Equipment Class:** Digital Transmission System  
**Notes:** ZigBee Module  
**Modular Type:** Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2405.0 - 2480.0	0.0048		

Output power listed is peak conducted. This OEM module is approved for use in products operating as mobile or fixed transmitting device. The only antenna approved for use with this module is those documented in the filing, and must be installed in the manner specified therein. This device and its antenna(s) must operate with a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Grantee shall provide installation and operating instructions for satisfying RF exposure requirements to OEM integrators and installers. This grant is valid only when the device is sold to OEM integrators and the OEM integrators are instructed to ensure that the end user has no manual instructions to remove or install the device.



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**PHOENIX TESTLAB GmbH  
Koenigswinkel 10  
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**Date of Grant: 09/02/2015  
Application Dated: 09/02/2015**

**Altenergy Power System Inc.  
No.1, Yatai Road, Jiaxing Zhejiang  
314050 P.R. China  
Jiaxing,  
China**

**Attention: Kevin Lu , engineer**

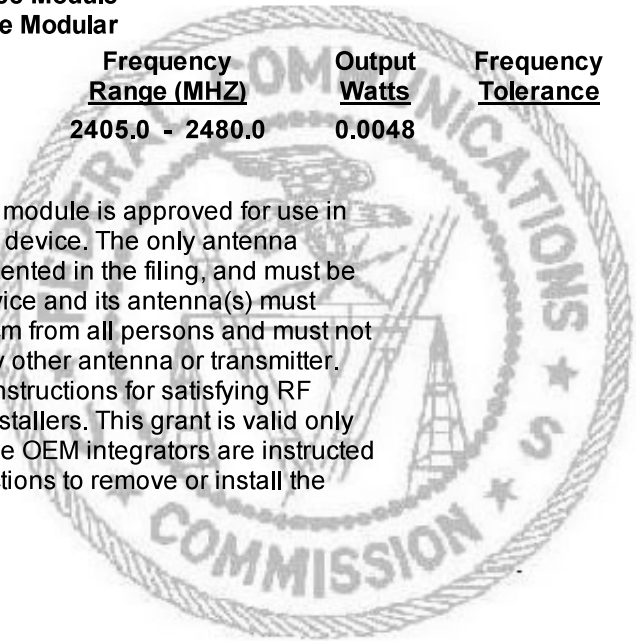
**NOT TRANSFERABLE**

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

**FCC IDENTIFIER:** 2AFGR-APS2530S  
**Name of Grantee:** Altenergy Power System Inc.  
**Equipment Class:** Digital Transmission System  
**Notes:** ZigBee Module  
**Modular Type:** Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2405.0 - 2480.0	0.0048		

Output power listed is peak conducted. This OEM module is approved for use in products operating as mobile or fixed transmitting device. The only antenna approved for use with this module is those documented in the filing, and must be installed in the manner specified therein. This device and its antenna(s) must operate with a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Grantee shall provide installation and operating instructions for satisfying RF exposure requirements to OEM integrators and installers. This grant is valid only when the device is sold to OEM integrators and the OEM integrators are instructed to ensure that the end user has no manual instructions to remove or install the device.



## TECHNICAL APPROVAL CERTIFICATE

based on the Agreement on Mutual Recognition  
between the European Community and Canada

## CERTIFICAT D'APPROBATION TECHNIQUE

en se basant l'accord de reconnaissance mutuelle  
entre la Communauté Européenne et le Canada

CERTIFICATE NUMBER NUMÉRO DE CERTIFICAT	15-210578	
CERTIFICATION NUMBER NUMÉRO DE CERTIFICATION	IC: 20481-APS2530P	
TYPE OF SERVICE TYPE DE SERVICE	New Single Certification (Modular Approval)	
CERTIFICATE HOLDER TITULAIRE DU CERTIFICAT	Altenergy Power System Inc. No.1, Yatai Road, Jiaxing Zhejiang 314050 P.R. China	
TYPE OF EQUIPMENT GENRE DE MATÉRIEL	Zigbee Module	
MODEL NUMBER NUMÉRO DE MODELE	APS2530P	
FREQUENCY RANGE BANDE DE FRÉQUENCES	2405-2480 MHz	
EMISSION DESIGNATION (TRC-43) DÉSIGNATION D'ÉMISSION (CRT-43)	1M63G1D	
R.F. POWER RATING (WATT) PUISSANCE NOMINALE H.F (WATT)	0.0048W	
ANTENNA INFORMATION INFORMATION D'ANTENNE	PCB Antenna, Gain: 0.8 dBi	
CONTACT INFORMATION OF TESTING LABORATORY COORDONNÉES DU LABORATOIRE D'ESSAI	CCIC-SET Electronic Testing Building, Shahe Road, Xili Town, Nanshan District, Shenzhen Shenzhen, China	
CERTIFIED TO CERTIFIÉ SELON LE	SPECIFICATION / ISSUE CAHIER DES CHARGES / ÉDITION	RSS-247 Issue 1, RSS-GEN Issue 4, RSS-102 Issue 5

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. Licence applications, where applicable to use certified equipment, are acted on accordingly by the Industry Canada issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by Industry Canada. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by Industry Canada.

*La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'Industrie Canada et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'Industrie Canada. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par Industrie Canada.*

**Labelling of Certified Radio Equipment: Equipment that has received certification but is not labelled with the model number and the certification number as outlined above is not considered certified.**

**Étiquetage du matériel radio homologué: Le matériel pour lequel une certification a été obtenue mais qui n'est pas étiqueté conformément aux exigences ci-dessus (numéro de modèle et numéro de certification) n'est pas considéré comme certifié.**

I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.  
*J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus.*

Certification Body Code: DE0003

recognised by



Signed by / *Signataire* Alan Lane

Blomberg, 09 September 2015

Foreign Certification Body (FCB)

BNetzA-CAB-04/22-53

## TECHNICAL APPROVAL CERTIFICATE

based on the Agreement on Mutual Recognition  
between the European Community and Canada

## CERTIFICAT D'APPROBATION TECHNIQUE

en se basant l'accord de reconnaissance mutuelle  
entre la Communauté Européenne et le Canada

CERTIFICATE NUMBER NUMÉRO DE CERTIFICAT	15-210579	
CERTIFICATION NUMBER NUMÉRO DE CERTIFICATION	IC: 20481-APS2530S	
TYPE OF SERVICE TYPE DE SERVICE	New Single Certification (Modular Approval)	
CERTIFICATE HOLDER TITULAIRE DU CERTIFICAT	Altenergy Power System Inc. No.1, Yatai Road, Jiaxing Zhejiang 314050 P.R. China	
TYPE OF EQUIPMENT GENRE DE MATÉRIEL	Zigbee Module	
MODEL NUMBER NUMÉRO DE MODELE	APS2530S	
FREQUENCY RANGE BANDE DE FRÉQUENCES	2405-2480 MHz	
EMISSION DESIGNATION (TRC-43) DÉSIGNATION D'ÉMISSION (CRT-43)	1M63G1D	
R.F. POWER RATING (WATT) PUISSANCE NOMINALE H.F (WATT)	0.0048W	
ANTENNA INFORMATION INFORMATION D'ANTENNE	Ipex connector with Whip Antenna, Gain: 2 dBi	
CONTACT INFORMATION OF TESTING LABORATORY COORDONNÉES DU LABORATOIRE D'ESSAI	CCIC-SET Electronic Testing Building, Shahe Road, Xili Town, Nanshan District, Shenzhen Shenzhen, China	
CERTIFIED TO CERTIFIÉ SELON LE	SPECIFICATION / ISSUE CAHIER DES CHARGES / ÉDITION	RSS-247 Issue 1, RSS-GEN Issue 4, RSS-102 Issue 5

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Signed by / *Signataire* Alan Lane

Blomberg, 09 September 2015

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