

Notified Body
TÜV Rheinland
LGA Products GmbH

Tillystraße 2
90431 Nürnberg

notified by the

Bundesnetzagentur für Elektrizität, Gas,
Telekommunikation, Post und Eisenbahnen

under No. 0197

herewith issues an

EU-Type Examination Certificate

within the meaning of Annex III Module B of the 2014/53/EU Radio Equipment Directive (RED)
for compliance with the essential requirements of this directive



Registration Number: RT 60121302 0001

Evaluation Report Nr.: 14049620 001

Manufacturer: Beijing Siemens Cerberus
Electronics Ltd.
No. 1 Fengzhi Donglu, Xibeiwang
Haidian District
100094 Beijing
China

Product: Radio Equipment
(Short Range Device - Smart Thermostat)

Type Identification: RDS110 , RDS120

Essential requirements: 2014/53/EU (RED)
Article 3.1a Health
Article 3.1a Electrical Safety
Article 3.1b EMC
Article 3.2 Radio spectrum

The technical design of the assessed type has been verified based on the technical documentation presented by the manufacturer according to Annex III Module B of the Directive. As far as the essential requirements indicated, the Notified Body of TÜV Rheinland LGA Products GmbH confirms, that the technical design of the apparatus meets the essential requirements of the Directive 2014/53/EU Article 3.


This certificate consists of this page and Annex I.

Validity of the certificate is specified in the Annex i.

Date 19.07.2017



Notified Body


Dipl.-Ing. T. Berns

Business Stream Products
Certification Department

TÜV Rheinland LGA Products GmbH · 90431 Nürnberg

Beijing Siemens Cerberus
Electronics Ltd.
No. 1 Fengzhi Donglu, Xibeiwang
Haidian District
100094 BEIJING
CHINA

Contact

Tel. +49 911 655-5225
Mail service@de.tuv.com

Date June 30, 2017

Application for : **EU-Type Examination Certificate**
Certificate No. : RT 60121302 Sheet 0001
Device : Radio Equipment
(Short Range Device - Smart Thermostat)
Type : RDS110
RDS120
Test requirement : see Certificate

Dear Madame or Sir,

Please find attached the EU-Type Examination Certificate based on the conformity Assessment Annex III Module B of the directive 2014/53/EU, issued by the Notified Body.

Kind regards

Certification body

Dipl.-Ing. T. Berns

Test sample: stored by the applicant

TÜV Rheinland
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Board of Management

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Supervisory Board

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Ralf Scheller

Nuremberg HRB 26013
VAT No.: DE 811835490

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Equipment

Product : Smart Thermostat

Trademark : SIEMENS

Identification : RDS110, RDS120

Product description: For the control of HVAC applications in apartments, single family homes, dormitories and other residential-type as well as light commercial spaces, with IEEE802.11 b, g & n (20MHz) Wireless LAN technology.

System description

Frequency band(s) of operation	:	2400 – 2483.5MHz
Operating frequency	:	2412~2472MHz (RDS110); 2412~2462MHz(RDS120)
Channel spacing / bandwidth	:	20MHz
RF output power	:	18 dBm
Type of modulation	:	DBPSK/DQPSK/CCK(DSSS)BPSK/QPSK/16QAM/64
Type of antenna	:	Integral Antenna
Mode of operation (simplex / duplex)	:	Duplex
Duty cycle (access protocol, if applicable)	:	Up to 100%

Documentation

- Block Diagram
- Circuit Diagram
- Bill of Material
- PCB Layout
- Rating Label
- User Manual
- Risk Assessment

Conformity Assessment

Applied harmonised standards			
Article	Standard	Test Report No.	Issued by
3.1a Health	EN 62479:2010	50053867 001	TÜV Rheinland (China) Ltd.
3.1a Safety	EN 60730-1:2011 EN 60730-2-9:2010	50053853 001, 50071107 001	TÜV Rheinland (China) Ltd.
3.1b EMC	--	--	--
3.2 Radio	EN 300 328 V2.1.1	50053867 001	TÜV Rheinland (China) Ltd. Beijing EMVango Tech Co., Ltd. TA Beijing Limited

Applied non-harmonised standards			
Article	Standard	Test Report No.	Issued by
3.1b EMC	EN 301 489-1 V2.2.0 EN 301 489-17 V3.2.0 EN 55032:2012 EN 60730-1:2011	50053857 001	CHEARI (Beijing) Certification & Testing Co., Ltd TÜV Rheinland (China) Ltd

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Valid

Until either party terminates certificate.

Remarks

- The holder of this Type Examination Certificate is authorised to use this certificate in combination with the CE declaration of conformity.
- This Type Examination Certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.