

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

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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

Dipl.-Ing.  
Ralf Scheller

Nuremberg HRB 26013  
VAT No.: DE 811835490

**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**

<b>Applied harmonised standards</b>			
<b>Article</b>	<b>Standard</b>	<b>Test Report No.</b>	<b>Issued by</b>
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

<b>Applied non-harmonised standards</b>			
<b>Article</b>	<b>Standard</b>	<b>Test Report No.</b>	<b>Issued by</b>
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

**Page 2 of 2**

**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.