

Expertise

**Expert Opinion of the Notified Body on the Conformity Assessment
according to Article 10.5 of R&TTE Directive 1999/5/EC**

**of the Notified Body SGS
EU Identification Number 2150**

recognized by



Bundesnetzagentur

BNetzA-bS-09/51-57

Registration-No.	ZE02D0001
Certificate Holder	TELE RADIO AB
	Datavägen 21 SE-436 32 Askim, Sweden
Product Designation	R00010-01, R10-1, TG-R10-1, R00010-03, R10-3, TG-R10-3, T00009-01, T9-1, TG-T9-1
Product Description	Receiver/Transmitter

Opinion on the Essential Requirements

Article 3.1a): Health and Safety	EN 50371 (2002) EN 62311 (2008) EN 60950-1:2006 +A11:2009 +A1:2010	compliant
Article 3.1b): Electromagnetic Compatibility	EN 301 489-3 (v.1.4.1, 2002)	compliant
Article 3.2: Effective Use of the Radio Spectrum	EN 300 220-2 (v.2.1.2, 2007) EN 300 330-2 (v.1.5.1, 2010)	compliant

Marking

EC conformity marking

Marking Example according to R&TTE Directive 1999/5/EC, § 12:

CE 2150

This certificate is issued in accordance with the Directive 1999/5/EC of the European Parliament and the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity dated 9th March 1999 and is only valid in conjunction with the following annex (2 page(s)).

approved by:

Date

Signature

Werner
Head of Notified Body EMC

Sep 02, 2011

i. A. W. Werner

Zinnkann
Business Administration

Sep 02, 2011

i. V. P. Zinnkann

This document was signed electronically.

ANNEX

Product Characteristics:

Operating frequency:	SRD: 433.075 - 434.775 MHz RFID: 13.56 MHz
Output power (ERP):	0.10 dBm
RFID Product Class	1
Antenna	Integral
Modulation:	SRD: 2FSK RFID: Narrow-band ASK
Channel spacing:	SRD: 25 kHz
Duplex separation:	half duplex
Temperature:	-10 °C to +55 °C;
Power supply:	Tx: DC 3.7 V rechargeable battery. Rx: AC 48-230V for Power Adapter: Tx: Model: S008CM0500120 Input: AC100~240V 50/60Hz 0.25A Output: DC5.0V 1.2A

Product Identification:

The EUT is a remote radio control unit on the machine with an additional function of radio frequency identification with a 13.56 MHz carrier. It is available with different appearances:

Receiver:

R00010-01, R10-1 and TG-R10-1 are different product numbers for the same product
R00010-03, R10-3 and TG-R10-3 are different product numbers for the same product

R00010-01, R00010-03, R10-1 and R10-3 are internal product numbers. TG-R10-1 and TG-R10-3 are official product numbers.

The electrical circuit design, layout and components used for above models are identical.
The difference between the models is the input connector which has 10 poles for R00010-01 and 16 poles for R00010-03, there is no impact on the RF power.

Transmitter:

T00009-01, T9-1, TG-T9-1 are electrically equal but different product numbers

Conformity Details:

Evaluated test reports		
Requirement	test report number, date & laboratory	Result
Safety	GZES110600405201, 23.08.2011, SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou, China	Pass
Health	GZEM110600222304, 18.07.2011, SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou, China GZEM110600222305, 18.07.2011, SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou, China	Pass
EMC	GZEM110600222303, 01.09.2011, SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou, China	Pass
Radio Spectrum	GZEM110600222301, 18.07.2011, SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou, China GZEM110600222302, 01.09.2011, SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou, China	Pass

The Notified Body SGS Germany GmbH is of the opinion that it is properly demonstrated that the above identified apparatus complies with the essential requirements of the directive 1999/5/EC as given in the above scope.

Remarks:

No remark