

recognised in accordance with the R&TTE Directive 1999/5/EC of 9<sup>th</sup> March 1999  
as Notified Body for the Federal Republic of Germany, represented by



**Bundesnetzagentur**

## **EC-R&TTE CERTIFICATE**

### **Expert Opinion**

Registriernummer: **G0M20707-1512-C**  
Registration No.:

ProduktHersteller: **Panasonic Electronic Devices Europe GmbH**  
Manufacturer: **Zeppelinstr. 19**  
**21337 Lueneburg, Germany**

Bescheinigungsinhaber: **Panasonic Electronic Devices Europe GmbH**  
Certificate Holder: **Zeppelinstr. 19**  
**21337 Lueneburg, Germany**

Produktbezeichnung: **ETRX-2-PA**  
Product Designation:

Produktbeschreibung: **ZigBee-Module**  
Product Description:

Vorschrift(en): Radio : EN 300 328 v.1.7.1 (10/2006)  
Specification(s): EMC : EN 301 489-17 V1.2.1 (08/2002)  
Safety : EN 60950-1:2006

Diese Bescheinigung ist erstellt in Übereinstimmung mit Annex IV der R&TTE Direktive 1999/5/EC vom 9. März 1999 und gilt nur in Verbindung mit den nachfolgenden - **1** - Anlagen.

This certificate is issued in accordance with Annex IV of the R&TTE Directive 1999/5/EC of 9<sup>th</sup> March, 1999 and is only valid in conjunction with the following - **1** - annexes.

The equipment is to mark with the Approval mark:

**CE0681!**



Reichenwalde, 18. December 2007

Ort, Ausstellungsdatum  
Place, Date of Issue

Unterschiedet von/Signed by Dieter GRIEBEL  
Benannte Stelle/ Notified Body



## System description

Frequency band(s)	2.4 - 2.4835 GHz
Operating frequency/ Switching range	2.405 - 2.4800 GHz
Channels / Bandwidth	16 / 2 MHz
Transmit power	21.15 mW e.i.r.p.
Type of modulation	DSSS
Type of antenna	Ceramic antenna 2450AT43A100 2,0 dBi Knuckle antenna BKR2400 2,0 dBi Stubby antenna BT-Stubby 0,0 dBi
Mode of operation (simplex/duplex)	duplex
Duty cycle * (access protocol, if applicable)	Up to 100 %
Comments	<i>Equipment within the scope of subclass 22, but capable also of operating at 100 mW across the whole of the frequency band is not to be considered a class 1 device. They can be operated in the EU without restrictions indoor, but cannot be operated outdoors in France in the whole of the band until further notice. They have to be marked with the alert sign accordingly. Member States have however agreed, that they do not need to be notified to Member States under Article 6.4 of Directive 1999/5/EC, provided that users are informed about the restrictions of use.</i>

## Technical Construction File

essential components of the technical construction file:

test report(s)

**G0M20707-1512-T-45**

**G0M20707-1512-E-16**

**G0M20707-1512-L**

User manual

ETRX-2-PA

Technical Documentation

ETRX-2-PA

including:

PCB Layout  
Circuit diagram  
Part list

Declarations:

Acc. to article 3.2 : Radio  
Acc. to article 3.1b : EMC  
Acc. to article 3.1a : Safety