

Tel. : +49 22 07 - 96 89 - 0  
Fax : +49 22 07 - 96 89 - 20  
email: [manfred.dudde@dudde.com](mailto:manfred.dudde@dudde.com)  
[www.dudde.com](http://www.dudde.com)

Date: 2007-02-01

Subject: Modular approval request

To: FCC TCB

*Herewith we like to apply for "Modular approval" for the following device:*

Applicant/manufacture: Amber Wireless GmbH  
Module name: AMB2300 module  
FCC ID: **R7TAMB2300**

This device is subject of this FCC application package. Justification for our request is summarized below:

**1. RF shielding**

This device has its own RF shielding.

**2. Data Inputs**

This device is designed in such a way, that whenever the data input is disturbed or disconnected, the RF signal is not affected and the device will not go out of compliance.

**3. Power supply regulation**

The regulated voltage supply is provided by the equipment in which the transceiver AMB2300 module is built-in. In the user's manual there is described within which voltage limits the module may be used. Higher voltages lead to the destruction of the device. The RF part will be supplied over an internal voltage regulator. (Type: National Semiconductors, LP3999 ITL-2.8 NOPB)

**4. Antenna**

The antenna of the "AMB2300 module" is a chip antenna and a part on the PCB (Type: MuRata, ANCM12G45SAA072)

**5. Stand alone tested**

The transceiver "AMB2300 module" had been tested with a test board (Evaluation Kit) which was connected to a note book.

**6. Labeling**

The terminal equipment refers with its label to the enclosed "AMB2300 module".

**7. Specific Operation requirements**

The modular transmitter complies with the specific rule or operating requirements applicable to the transmitter.

**8. RF exposure requirements**

The modular transmitter complies with any applicable RF exposure requirements.

Best regards,



R. Trepper

m.dudde hochfrequenz-technik  
Phone: +49 2207 9689 16  
email: [m.dudde@labor@dudde.com](mailto:m.dudde@labor@dudde.com)