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Date: 2008-04-28

Subject: Limited Modular Approval request

To: FCC TCB

Herewith we would like to apply for "Limited Modular Approval" for the following device:

Applicant/manufacturer: Testo AG
Module name: AMB2520-T1
FCC ID: **WAFAMB2520T**

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

1. RF shielding

The module has no RF shielding and was tested without any housing. We apply for a Limited Modular Approval, constrained to be sold to Testo AG only. The product is designed for being built into user interfaces of industrial equipment. There is a user manual available which instructs Testo AG how to implement the modules and use them in a way that compliance of the product is always ensured.

2. Data Inputs

The module has buffered data input via SPI-bus to the onboard μ -controller (see schematic diagrams). The user has no access to the registers of the integrated RF module and can not change any parameters, e.g. control frequency channel, output RF power and bit rate of the device.

3. Power supply regulation

The transceiver module AMB2520-T1 has its own voltage regulator integrated (see schematic diagrams).

4. Antenna

The transceiver module AMB2520-T1 may be used with a one wire $\lambda/4$ antenna

5. Stand alone tested

The EUT has been tested in stand-alone configuration without housing or shielding. The module was connected to the serial port of a standard PC with an evaluation board. The unshielded module was found to conform to FCC Part 15 requirements (see test reports).

6. Labelling

The transceiver module AMB2520-T1 has this own label.

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7. Specific Operation requirements

The modular transmitter complies with all FCC rules and operating requirements. Instructions to maintain compliance are given in the user manual. The user has no direct access to internal registers of the implemented RF-transmitter. The firmware limits all user inputs to a range where compliant operation with the provision of section 15.249 is achieved. The firmware is not accessible by users.

8. RF exposure requirements

The transceiver module AMB2520-T1 is compliant with all applicable RF exposure requirements for modular transmitter devices. The maximum output power is lower than 1 mW.

With kind regards,



R. Trepper

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