



FCC
Federal Communications Commission

Carsten Steinroeder
17 April 2012
Phone +49 (0) 2102 749 331
Fax +49 (0) 2102 749 350
Email: Carsten.steinroeder@7Layers.de

request for a limited modular approval - FCC ID: AZ492FT6002

Dear Application Examiner,

the module "O2" is seeking FCC authorization as a limited modular transmitter. The requirement of the FCC part 15.212 are met.

The following requirements are fulfilled:

1. The modular transmitter must have its own RF shielding

The radio portion of the module has its own RF shielding.

2. The modular transmitter must have buffered modulation/data inputs

The module has a memory management unit inside of the IC. It buffers the data inputs.

3. The modular transmitter must have its own power supply regulation

The IC contains an own voltage regulation. In case of changes in the supply voltage VCC (for example caused by temperature changes or other effects), the internal voltage will be stabilized.

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204c

The transmitter has been tested with integral antenna. The antenna requirements of section 15.203 and 15.204c are fulfilled.

5. The modular transmitter must be tested in a stand-alone configuration

The EUT was tested in a stand-alone configuration with integral antenna.

6. The modular transmitter must be labelled with its own FCC ID number

The Module is labelled with its own FCC ID (printed on the PCB).

7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.

The module is limited OEM integration and may only be connected to battery power. Connection to AC Mains is not allowed.

8. The modular transmitter must comply with any applicable RF exposure requirements.

The device is exempted from RF exposure requirements, because the Output Power is below the RF exposure limit. See Test Report.

Please contact us if you have any additional questions.

Best Regards,

A handwritten signature in blue ink, appearing to read 'i.A. C. Steinroeder', is written over a light blue grid background.

Carsten Steinroeder
Project Manager
7layers AG