



dresden elektronik ingenieurtechnik gmbh • Enno-Heidebroek-Str. 12 • D-01237 Dresden

Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Rd  
Columbia MD 21046-1609

Dresden, 13th December 2011

### **Request for modular approval**

**dresden elektronik ingenieurtechnik gmbh**  
**FCC ID: XVV-ARM725A00**  
**FCC Part 15 Certification**

Dear Sir or Madam,

the dresden elektronik ingenieurtechnik gmbh, radio module XVV-ARM725A00 is seeking FCC authorization as a modular transmitter. The requirements of the FCC Public notice DA00-1407 are met.

The following requirements are fulfilled:

#### **1. The modular transmitter must have its own RF shielding**

The radio part of the radio module is covered with its own RF shielding. See enclosure product photos in exhibit "external photos".

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

The radio module has a memory management unit inside of the IC. It buffers the data inputs from UART and USB terminal.

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

The radio module contains their own voltage regulation. In case of changes in the supply voltage VCC, the internal voltage will be stabilized.

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

The radio module has an integrated chip antenna. The design is fully compliant with all regulations.



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

The EUT was tested with a battery powered notebook in a stand-alone configuration. The module was fixed in the development board "deRFnode" of dresden elektronik ingenieurtechnik gmbh. See also test setup photos in Exhibit "Test report".

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

The EUT will be labelled with its own FCC ID number. The label is specified in Exhibit "Label Sample". If the radio module is installed inside of an end-product, the label will not be visible. In this case the OEM customer will be instructed to how to apply the exterior label.

**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 EUT is compliant with all applicable FCC rules. Detail instructions are given in the product User Manual.

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

This OEM module is approved for use in products operating as mobile and portable transmitting device with respect to 2.1091 and 2.1093. This grant is only valid when the device is sold to OEM integrators. OEM manufacturers and OEM integrators are instructed to ensure that the end-user may not be provided with the module installation instructions. OEM integrators and end-users must be provided with transmitter operation conditions for satisfying RF exposure compliance.

Sincerely,



Signature	
Name	Michael Fleischmann
Title	Test Engineer
Company	dresden elektronik ingenieurtechnik gmbh