

June 30, 2017

Federal Communications Commission  
Washington, DC 20554.

**Dear Sir or Madam:**

**REQUEST FOR MODULAR TRANSMITTER APPROVAL**

Nordic ID Oy applies for single modular approval on its Nordic ID UHF RFID Reader/Writer being model NUR2-1W.

The NUR-10W module fulfils all the eight requirements of the single modular transmitter stated in the FCC Rule Part Section 15.212:

1. Shielding: Yes, the module has its own shielding.
2. Buffered modulation/data inputs: Yes, in the module there is the micro controller that provides data buffering for the inputs.
3. Power supply regulation: Yes, the power regulators are incorporated into the module design, which is described in the NUR2-1W Operational Description.
4. "Unique" antenna coupling and antennas: The module has the surface mounted connection for antennas. Yes, the requirements of the allowable antennas and the integration instructions how a host antenna circuitry trace layout shall be designed are given in the NUR2-1W Implementation Guide.
5. Module testing: Yes, the module was tested in the stand-alone configuration with an adapter board.
6. Labeling requirements of the FCC identification number: Yes, FCC ID information is permanently affixed to the module, and it is in view from the outside of the module.
7. Complying with the specific rules or operating requirements of a complete transmitter: Yes, the module design of the NUR2-1W takes account of the requirements and the rules being applicable to the complete UHF RFID transmitter device, and the NUR2-1W Implementation Guide gives the instructions to utilize the NUR2-1W so that the complete transmitter is able to fulfill the specific rules and operating requirements.
8. Complying with any applicable RF exposure requirements: Yes, the NUR2-1W module is intended for the RFID reader devices being of a mobile and fixed category. The application includes MPE report of the NUR2-1W for mobile category use. The Implementation Guide gives the requirements of the end-user directions for using or installing the final RFID reader device and its antenna with a minimum separation distance between the radiator and user's/nearby people's body.

Nordic ID Oy looks forward to obtaining single modular approval on the Nordic ID Oy's UHF RFID Reader/Writer module being model NUR2-1W. Please let me know, if you have any questions.

Sincerely,



Rauno Nikkilä  
Certification Specialist  
Nordic ID