

December 21, 2016

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 NUR-10W.

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 NUR-10W 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 NUR-10W 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 NUR-10W takes account of the requirements and the rules being applicable to the complete UHF RFID transmitter device, and the NUR-10W Implementation Guide gives the instructions to utilize the NUR-10W 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 NUR-10W module meets requirements for a portable device that may be used at separation distances of less than 20cm from the human body.

The NUR-10W 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. Also Human exposure calculation has made to justify use in portable host.

Nordic ID Oy looks forward to obtaining single modular approval on the Nordic ID Oy's UHF RFID Reader/Writer module being model NUR-10W. Please let me know, if you have any questions.

Sincerely,



Rauno Nikkilä
Certification Specialist
Nordic ID Oy