

April 29, 2020



Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Dear Sir/Madam,

This letter is to request modular approval of the 943.6110.001 2.4 GHz wireless mote module per part 15.212. Siemens Energy AS certifies the following requirements described in part 15.212:

- I The 943.6110.001 module has its own RF shielding.
- II No direct access is provided to the modulator / up converter and as such ETERNA2 cannot be stimulated to over-modulate or modify the transmitters data rate.
- III The transmitter has its own power supply regulation.
- IV The 943.6110.001 module has been tested in a configuration with supporting hardware will the sole purpose of providing power and a control mechanism.
- V The 943.6110.001 module is labeled with its own FCC ID number, see document Marking of module 943.6110.001.pdf
- VI The 943.6110.001 module complies with all specific rules applicable to the transmitter. No option is provided to the integrator to modify the operation of the transmitter in this regard.
- VII The 943.6110.001 complies with all RF exposure requirements by specification. The 943.6110.001 module is not designed to be used so the radiating structure is within 20 cm of the body of the user. As such the module does not fall under the definition of a portable device per FCC Rules in Section 2.1093. While the 943.6110.001 module qualifies as a mobile device per FCC Rules in Section 2.1091, the module has a maximum radiated output power of 0.01 Watts EIRP. As such, the module is below the 3 W power limit that would necessitate environmental evaluation for RF exposure. The 943.6110.001 radio does not operate in the bands specified by 15.319(i), 15.407(f), 15.253(g) and 15.255(g).

Sincerely,

Ivar Håkon Lysfjord
Expert, Electronics design
Siemens Energy AS

Unrestricted