

CONNECTED MEASUREMENT DEVICE FOR AN AIRCRAFT**ABSTRACT**

Device intended to be installed in an aircraft, the device being adapted for functioning in a first so-called “on the ground” operating mode or a second so-called “in flight” operating mode, the device comprising a radio module compliant with a low power wide area network standard adapted for sending messages comprising data issuing from a sensor and supplied by an energy storage element, the device being adapted for:

- in the first operating mode:
 - before the sending of each message, charging the energy storage element with a predefined energy,
- in the second operating mode:
 - for each message to be sent, choosing a transmission power,
 - determining, according to this transmission power, an energy necessary for the sending of the message by the radio module,
 - before the sending of the message, charging the energy storage element with the necessary energy determined.

Figure 2