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## **NESS L300 Foot Sensor Unit Transceiver - operational description (FCC ID: TVF-L300-FS-V20)**

The NESS L300 system comprised of 3 transmitters: Foot sensor (FS), Stimulator (STM) and Control Unit (CU).

The Foot sensor transmitter is responsible for:

1. Transferring detected heel events information from the foot sensor to the stimulator.
2. Transferring status information from the foot sensor to the stimulator (mostly hardware faults and low battery status)

The RF link characteristics are:

- Operating band: 2400.0 – 2483.5 MHz ISM band.
- Channels used : 2 (Main and auxiliary)
- Modulation: 2-FSK
- Data throughput: 250 Kbps
- Effective Isotropic Radiated Power:  $\leq 0\text{dBm}$
- Antenna: 2.4 GHz chip antenna
- Packet based communication
- Wireless protocol: Proprietary