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## **NESS L300 Stimulator Transceiver - operational description (FCC ID: TVF-L300-STM-V20)**

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

The Stimulator's transceiver is responsible for:

1. Relaying foot sensor heel event messages to the control unit for indication purpose.
2. Relaying status information from the foot sensor to the control unit for indication purpose
3. Transmitting stimulator's status information to the control unit for indication purpose
4. Acknowledging control unit's transmissions

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