

Re: Certification for Lear Corporation
TPM Wheel Electronics Unit
FCC ID: KOBFD06A
IC: 3521A-FTD06A

Block Circuit Diagram

TPMS Functions

The TPMS Wheel Electronic Unit (WEU) transmits the pressure, temperature, and battery status to a receiver fixed inside the passenger compartment. The WEU consist of a combination pressure/temperature/acceleration sensor, microprocessor, and LF receiver. The 315 MHz RF is generated by a PLL (Phase-Lock Loop) IC stabilized by a reference crystal this is radiated through a rigid wire antenna. The WEU can also be forced to transmit by an LF (Low Frequency) interface at 125 kHz. Stabilizing Crystal is 13.125 MHz.

