

Re: Certification for Lear Corporation  
TPM Wheel Electronic  
FCC ID: KOBHT05ATPM / KOBHT05TPM  
IC: 3521A-HT05ATPM / 3521A-HT05TPM

## Block Circuit Diagram

### TPMS Functions

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

