

March 3, 2009

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RE: Certification for HKMC MY10 FSK 315MHz Low Line Receiver  
Model #: 223126-101  
FCC ID: GQ4-42R  
Canada IC: 1470A-14R

### **GENERAL DESCRIPTION**

The TPM receiver is used to demodulate and decode information transmitted from the wheel-mounted sensors. This information is then sent to a display unit. The receiver communicates tire status to the vehicle via a high speed CAN bus. The receiver shall be able to do diagnostics on the system to determine if the system needs to be serviced.

When the ignition is turned on, the receiver shall begin monitoring for RF data from the wheel-mounted transmitters. When the ignition is in the off position, the receiver is shut down within 30 seconds.

Different model numbers will send different CAN messages but all have the same CAN bus format. Additionally, the receiver will warn the vehicle driver of low tire pressure conditions at different pressure levels based on the vehicle placard pressure levels for each Model Number. The placard level and CAN message configuration are stored in EEPROM. The EEPROM values change but the electronics are the same for all model numbers.