

May 23, 2006

TRW Automotive U.S. LLC
d.b.a TRW Automotive Electronics
24175 Research Drive
Farmington Hills, MI 48335
Tel: 248.478.7210
Fax: 248.478.7241



RE: Certification for TRW TPM '07 Receiver

Model #: 89760-0C010
89760-0C020
FCC ID: GQ4-37R
Canada IC: 1470A-9R

PRINCIPLES OF CIRCUIT OPERATION

The receiver used is a superhetrodyne receiver. The main receiver component uses the TDA52XX series of receiver chips. A low noise amplifier is incorporated prior to the receiver chip to increase the sensitivity. A SAW filter is used to provide selectivity to the receiver. A special detector circuit was developed to allow signal fluctuations due to the rotation effects of the sensor in the tire.