RE: Schrader Electronics Limited
FCC ID: MRXGME433TX1

This is in response to the comments made on the above application.

1) The block diagram should show the frequencies of all oscillators in the device (CFR 2.1033(a)(5)). Please provide an updated version that includes this information.

A revised block diagram has been uploaded.

2) Section 3 of the test report references a different FCC ID. Please explain and confirm if this is the correct report for this product.

A revised test report has been uploaded.

3) The device was tested to show compliance with 15.231(e). The timing of the device appears to transmit the 8 ASK words in < 1 seconds, with a 60 second break between transmissions. This meets the timing requirements of 15.231(e). However the operational description (Learn Mode) mentions a 4 s transmission followed by a 5 second transmission. It is not certain how this device maintains the 15.231(e) timing requirements for this mode. Additionally, this references a LF and UHF transmission. Is this TX capable of transmitting on 2 different frequencies?

4) Please provide more information (i.e. such as the Appendix D referenced in the operational description), which shows the various TX timing elements for various modes of operation. For instance the Re-measure mode seems like it could violate the timing elements of 15.231(e).

We have prepared a operational chart which shows the modes of operation for this transmitter, and applicable FCC rules. This should cover questions 3) and 4).

One of the modes for activating the TPS (tire pressure sensor) is to use an LF (125 kHz) source/reader. This device puts the TPS into the Learn and Factory modes and also can read the ID of the TPS. The TPS acts as a passive transponder, using energy only from the incident LF field to modulate its receive coil.