The TSSM2 system provides a secure method of allowing communications of commands between the Customer Identification Device (CID) and the TSSM2. Once the IGN/RUN switch is activated the TSSM2 controller will initiate the uplink process that is a 125 KHZ transmition, if the operator carries a valid CID it will generate a 433.92MHZ downlink in response to the incoming signal, the whole process takes around 100ms and it is intended to disable the security and immobilization function and allow the engine to start.

System-Level Functional Description

a. The TSSM2 system is a multi-component system that implements the following features:

    1) Vehicle Turn Signal Functions
        (a) Manual Turn Signal Control
        (b) Automatic Turn Signal Cancellation
        (c) Four-way (Hazard) Flashing
        (d) Turn Signal Diagnostics
    2) Tip-Over Shutdown Functions
    3) Security Alarm and Immobilization Functions
        (a) Security Arming and Disarming
        (b) Security Warning and Alarm
        (c) Starter and Fuel Immobilization
    4) Power Moding Functions
    5) Feature Customization Functions
    6) Diagnostic Functions