

TX303 and EG30-H Operating Description

The system TX303 and EG30-H (referred to as the EUT in this report) are a periodic Car Alarm remoter system which includes a CPU unit (433.92 MHz receiver and some of Wired I/O sensor function) and a 303.875MHz transmitter unit. The transmitter unit is powered by 12Vdc through CPU unit by a cable.

Working mode description

1. DYNAMIC IMMOBILIZER

The system checks with the transponder (433.92 MHz remoter) every time during Ignition ON. The vehicle CANNOT be started with just the key as the transponder must be present as well when attempting to start the vehicle.

2. SMART ANTI-HIJACK

When the Anti-Hijack Mode is set to ON, if any doors are opened and closed anytime after Ignition ON, **2 minutes later**, the system (TX303 and EG30-2H) will page the transponder (433.92 MHz remoter) **every 15 seconds by 303.875MHz**. If the transponder (433.92 MHz remoter) responds to any one of the paging, then Anti-HiJack mode will be disabled. If the system does not receive a feedback from the transponder after 10 times, the car horn honks for 30 seconds then the system enters Anti-HiJack mode.

EG30-2H generate a coded signal to transmitter TX303 by a pulse modulator every 15 second in Smart Anti-Hijack mode. The pulse stream has around 230ms.