

# Description of Operation

The EUT is a [Tire Pressure Monitor System](#) with 1 channel at 433MHz.

This device of the antenna was [Soldered on PCB Antenna](#) providing diversity function to improve the receiving function. And this EUT frequency band is [433MHz – FSK Modulation](#) of radio transmission. The FSK deviation is 40kHz. The data rate is 40kbit/s. A CMOS-compatible data stream was applied to the FSK transmitter digitally modulated oscillator via a NMOS switch. The pressure information is contained in this data stream. The oscillator frequency is 11.9~14MHz.

The EUT Description:

1. Normal Mode : When the tire pressure is normal, the transmitter will transmit a 10ms signal in 54.6 seconds time interval for polling the system integrity. The burst rate is 1/54.6sec
2. Alarm Mode : When 3 PSI tire pressure down is detected, the transmitter will transmit a 10ms signal which contains alarm codes in every 54.6 seconds.

For more information, please have a look at the user's manual.