

## Operational Description of the equipment

This EUT was applied 12Vdc. And carrier frequency is 433.94MHz.

The modulation type is ASK and in the 4KHz bit rate of transmission.

When push/choose key switch, the Controller IC (PWM pin) will send a signal and local oscillator will on, then transmitting signal.

When RX get a modulation signal:

- (1)The car computer will check the signal and demodulation the signal.
- (2)signals go through low pass filter and send signal to CPU.
- (3)CPU will process the signal.
- (4)Relative Relay in RX will on, then can control the PDA, phone, ..etc..

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| <b>PRODUCT</b>                  | Automated Control and Entry System with Ignition (ACE with Ignition) |
| <b>MODEL NO.</b>                | UT-KIT-001   |
| <b>POWER SUPPLY</b>             | 12Vdc(Battery)   |
| <b>CABLE</b>                    | N/A  |
| <b>I/O PORT/INTERFACE</b>       | N/A  |
| <b>FREQUENCY BAND</b>           | 433.94MHz  |
| <b>CARRIER FREQUENCY</b>        | 433.94MHz  |
| <b>NUMBER OF CHANNEL</b>        | 1  |
| <b>CHANNEL SPACING</b>          | N/A  |
| <b>RF OUTPUT POWER</b>          | 10mW=10dBm   |
| <b>I.F. &amp; L.O.</b>          | L.O. 433.94MHz   |
| <b>MODULATION TYPE</b>          | ASK  |
| <b>BIT RATE OF TRANSMISSION</b> | 4 kHz  |
| antenna type                    | Integral Antenna   |