

1.1. EUT Description

The EUT is a DC operated lock with 134.2kHz transmitter and its associated key with passive tag reflector for code confirmation. The IC TMS3705A from TI was used as the transponder device by 4MHz clock. A 2cm *1cm multi-turn inductive loop was connected to the device as the transmitter antenna. The passive tag will reflect the matched energy to the EUT.