

## **1.2. Operational Description**

The EUT is a Radio Frequency IDentification (RFID). The operation frequency 134.2 kHz. The characteristic of RFID depends on the operating frequency. Unison RFID Reader works In LF (Low Frequency) range of 134.2 kHz. It uses inductive coupling and FSK (Frequency shift Keying) technologies to transmit data between reader and tag. Non-contact communication reduces the abrasion of tag, and the read/write do not restrict within line of sight. In addition, the passive tag is energy by reader, no battery needed during operation, The cost of tag is reduced substantially.