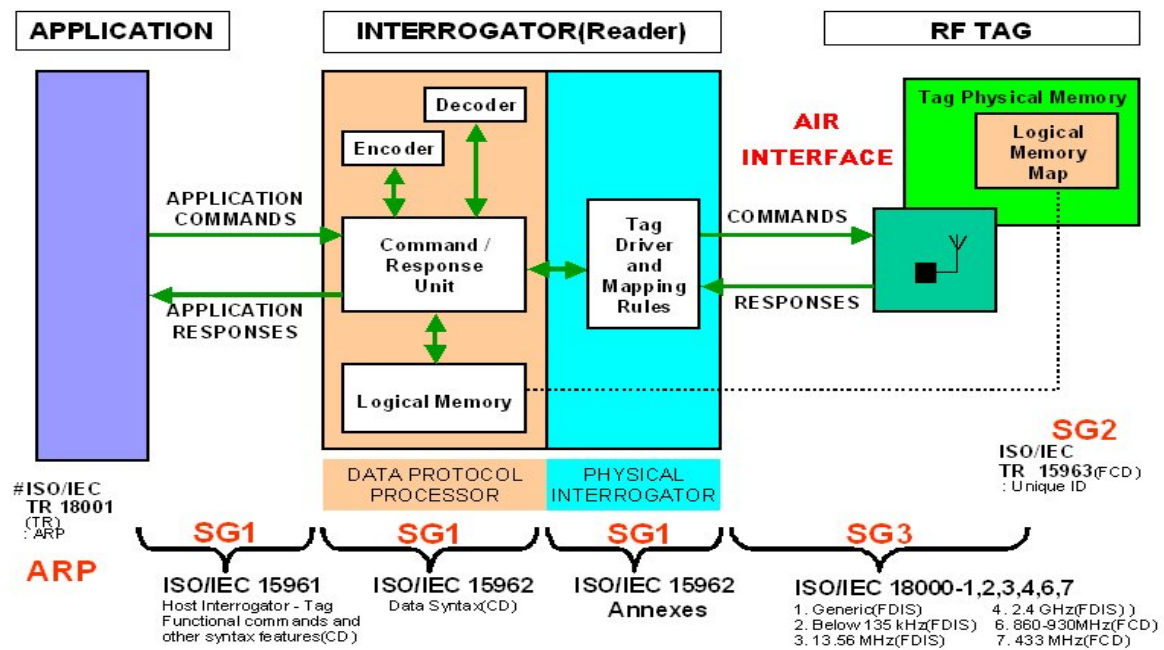




**Applicant: NITGEN&COMPANY.**

**Model Name: MFID**

## 1. Operation Description

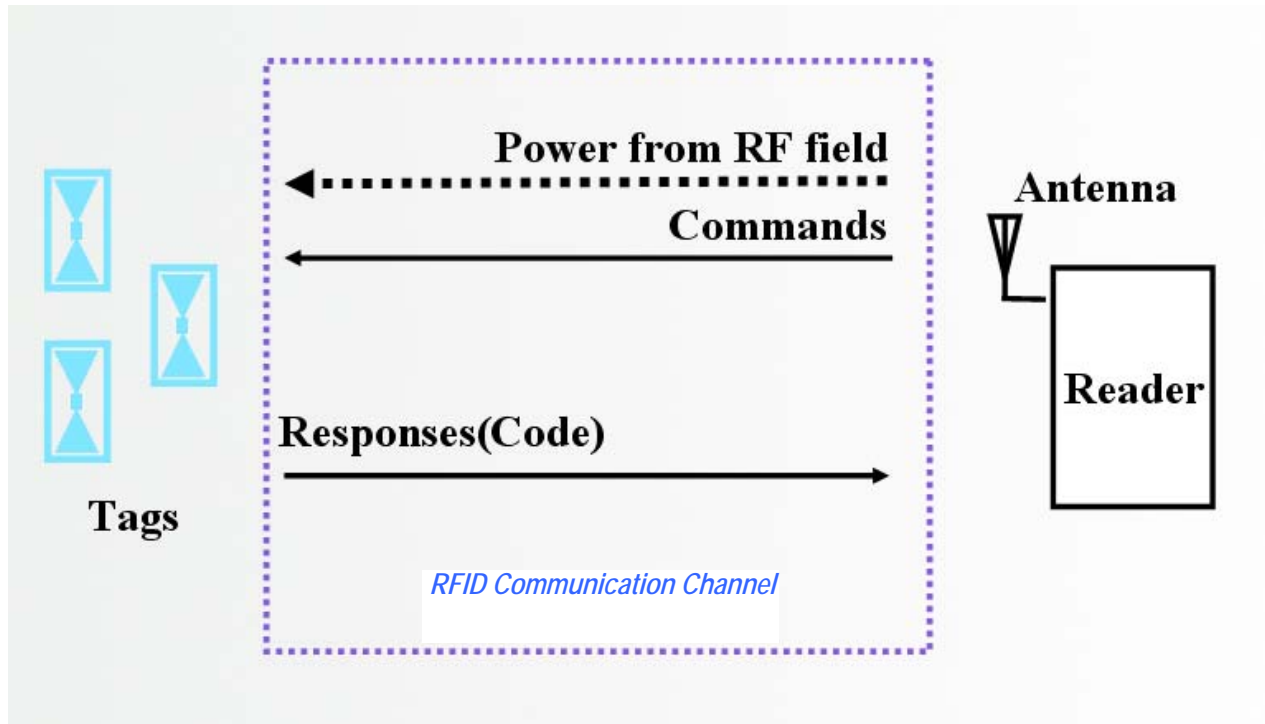




Communication Model – The RF field stated ON during communication with Tag

Half Duplex communication (Reader -> Tag, Tag->Reader)

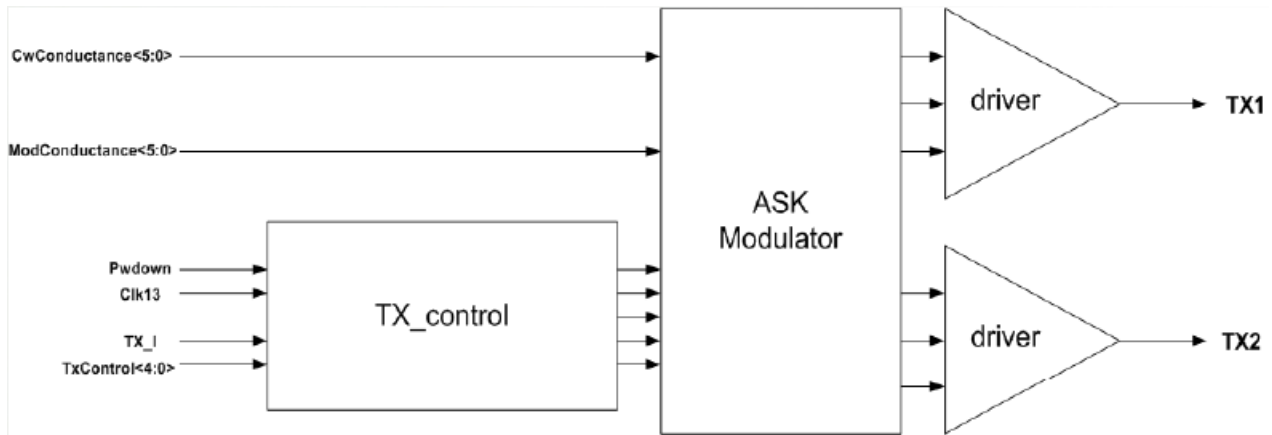
- It can be read beyond the line of sight of the reader
- It can be read several tags at once





## 2. Transmitter operating method

: It consists of TX\_control and ASK modulator, drivers for controlling of output



- It is transported through the TX1 and TX2 that the 13.56MHz carrier data signal which is modulated by TX\_I
- The output signal from TX1 and TX2 operates the antenna by using several external passive elements for filtering and matching.
- The output signal by TX1 and TX2 can be set various types using the register.