Applicant: NITGEN&COMPANY.
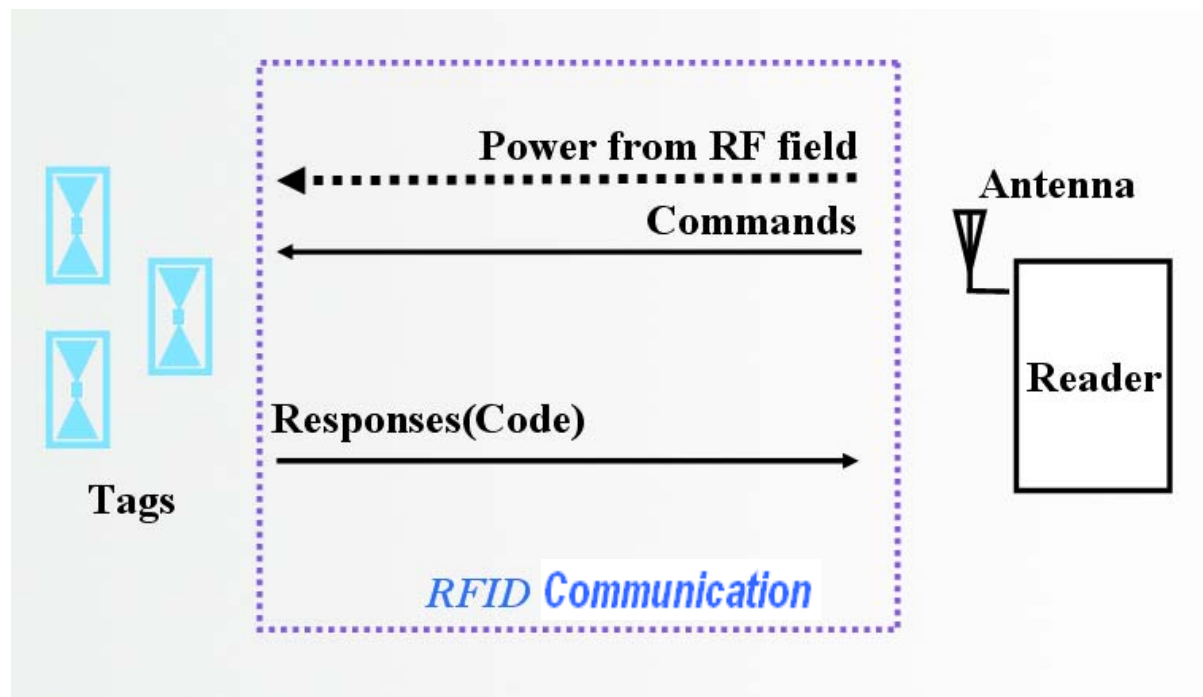
Model Name: MFID

1. Operation Description

Communication Model – The RF field stated ON during communication with Tag
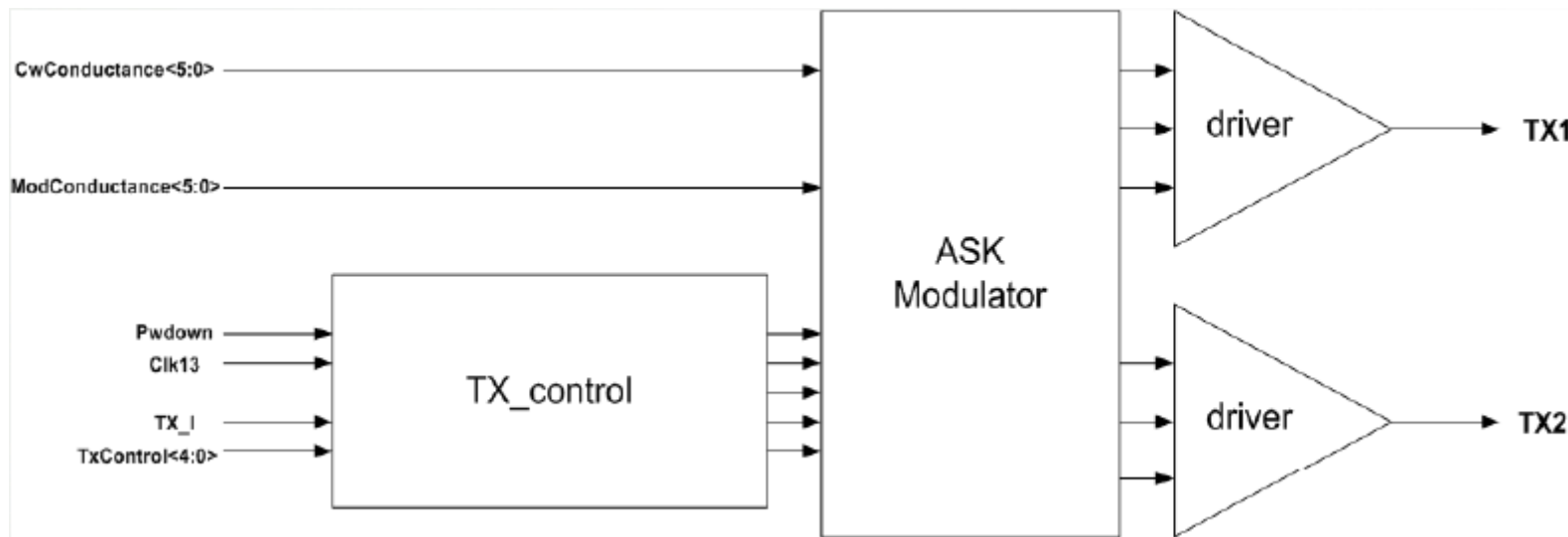
<div align="center">Half Duplex communication (Reader -> Tag, Tag->Reader)</div>

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

2. Transmitter operating method

: It consists of TX_control and ASK modulator, drivers for controlling of output

a. It is transported through the TX1 and TX2 that the 13.56MHz carrier data signal which is modulated by TX_I

b.The ouput signal from TX1 and TX2 operates the antenna by using several external passive elements for filtering and matching.

c. The output signal by TX1 and TX2 can be set various types using the register.