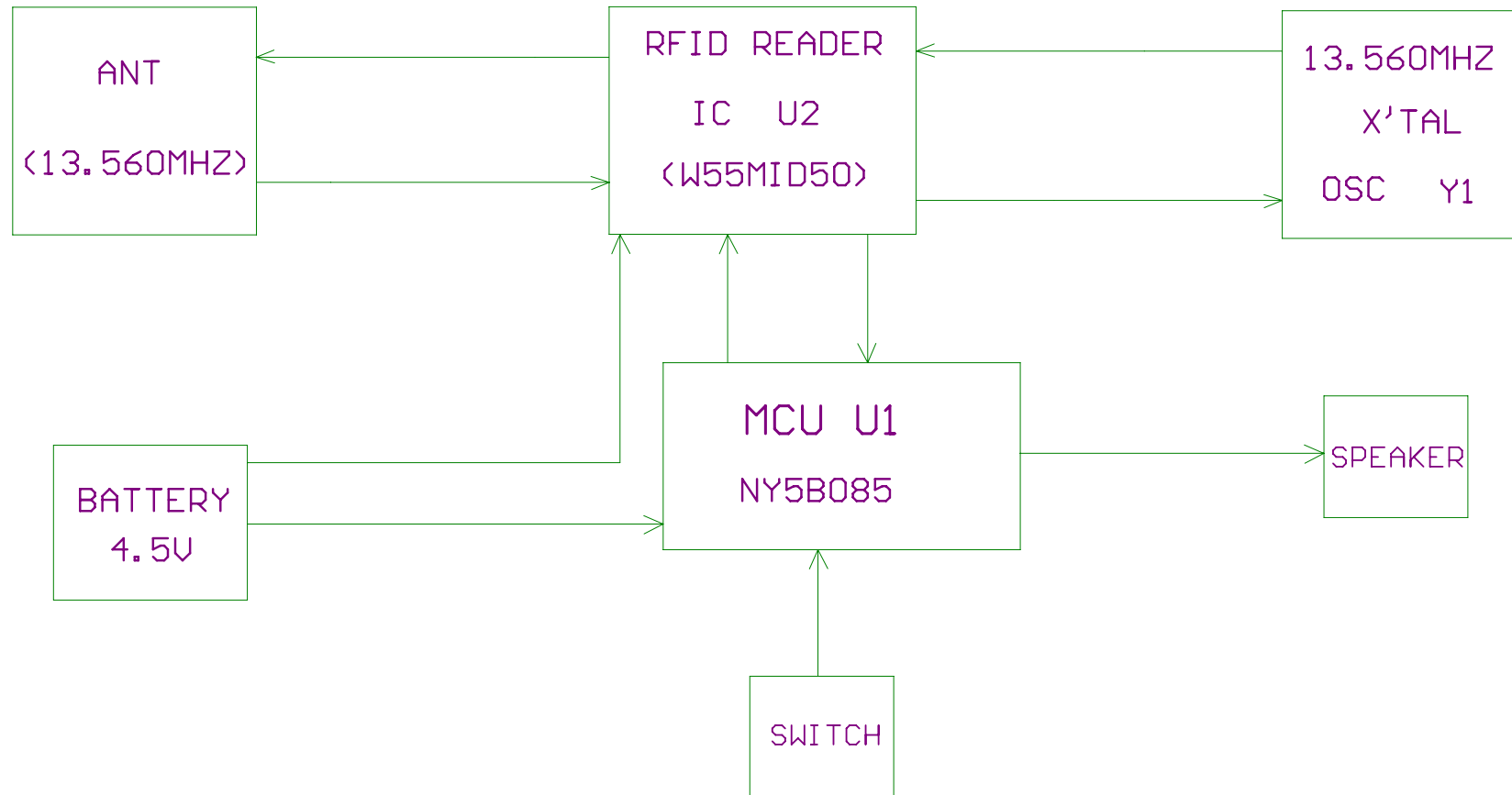


MODEL NO: 7192

BLOCK DIAGRAM

FCC 13.560Mhz



SUPERTOYS Ind.LTD.

Circuit Description

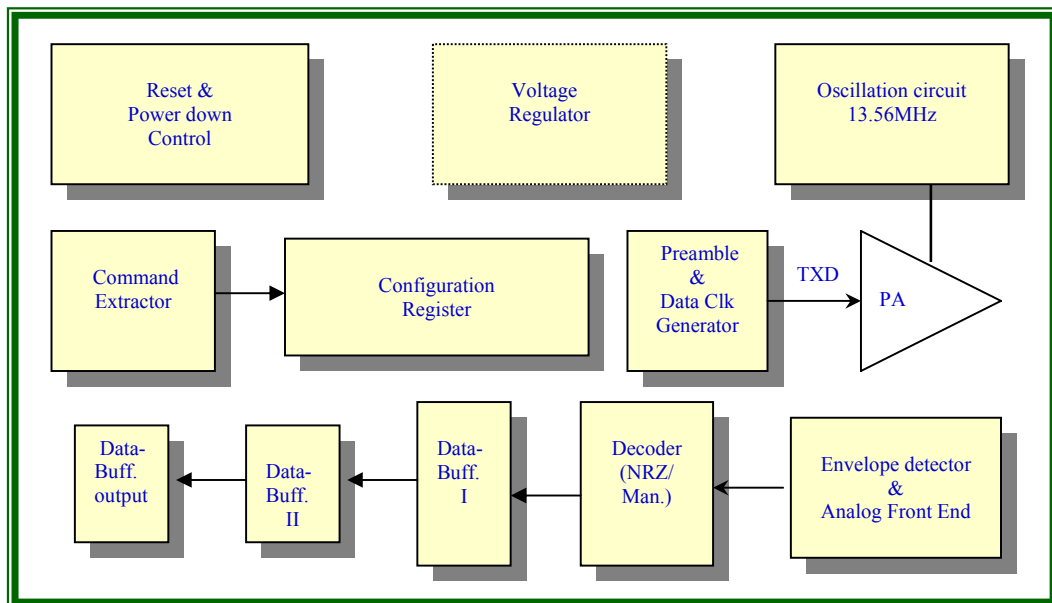
1>The circuit is a 13.560MHz For RF ID

TALKING MANNY.

TXD/RXD MFID is magnetic field identification

## Architecture Overview

### 3.1 W55MID50 System Block Diagram



### 3.2 W55MID50 Functional Description

#### Transmission Power Amplifier (PA)

It provides 4 different selectable transmission power for Reader chip to support *MFID<sup>WB</sup>* Tag's radiation power supply. The external inductor coupling circuit is designed for 13.56MHz magnetic field resonance. The coupled center frequency will depend on equivalent value of external PCB inductor and capacitor.

#### Envelope Detector & Analog Front End

The major function of this unit provides *MFID<sup>WB</sup>* Tag's data can be extracted.

#### Voltage Regulator

The voltage regulator generates the system needs of device power supply.