



Frequency Table

RF Section

- Carrier Frequency (f_c) between 431 and 437 MHz (Transmit)
- Intermediate Frequency (IF) of 203KHz
- LO Frequency equal to $f_c - IF$ (Receive)
- 3MHz SPI interface (Configuration control from micro controller)
- 62.5KHz bi-directional data

Micro-Controller

- 26MHz Clock
- 13MHz Bus
- 3MHz SPI interface (CC1101)
- 1 MHz SPI Interface (EEPROM)
- 62.5KHz bi-directional data
- 1.11 KHz PWM Signal for LED Brightness Control

Power Supply

- 132 KHz switching signal when operating on batteries
- (Linear regulator used when operating on line voltage)