

## **Circuit Description**

1. The transmission data modulated the MCU(BCM5354) which gets a digital modulation then passing through the MCU, working with 25MHz crystal for producing a signal to the RF module circuit carrying wave amplified by the amplifier and filter circuit unit, through the antenna then transmit out as 2412MHz to 2462MHz
2. MCU is the main functional control center, working with 25MHz crystal, deal with function control and other state indication.
3. Time frequency is a multiplied frequency to produce a extract HF signal.
4. RF module is used for producing digital modulation DSSS type.
5. U2 Flash is the memory unit used for the MCU.
6. U1 is a Double Data Rate Synchronous Dynamic Random Access Memory, and supplies a clock to the MCU.
7. To link the external terminal device via the RJ45 port as network router.