

### 49MHZ Operation Description

The IC1 reads output commands and encodes. the codes are sent to RF oscillator, and then modulates 49MHZ carry frequency signal to achieve AM signal. The radio frequency of the transmitter is based on 49MHZ AM citizen's band. It generates low power 49.85MHZ carrier frequency via major components of Z1,R3,L3,C2 and etc. Please note that the Value of the components may vary. Please see the Attached schematics for more detail. The AM signal (via capacitor C5) is passed to the antenna(ANT) via components L1,C5.