

Operation Description

The IC1 reads input commands (L/R/B/F), and encodes them to digital codes. The codes are sent to RF oscillator, and then modulates 27.145MHz carry frequency signal to achieve AM signal. The radio frequency of the transmitter is based on standard 27MHz AM citizen's band. It generates low power 27.145MHz AM carrier frequency via major components of Q1, Y1, C3, C4, R4, and L1 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 RF amplifier (Q2, C6, C7 and L2), which amplifies the signal and then couples the signal into the antenna (ANT) via components C8, L3.