

T3-72F Transmitter Manual & Operation Introduction

1. General description of circuit

The transmitter circuit is made up with HF and LF circuit. The HF circuit contains RF OSC, amplifier and output circuit. The LF circuit contains signal source and signal shaping circuit.

The RF OSC gives the carrier signal to the amplifier, then sent out by the antenna.

The local OSC signal is modulated by the control signal which has been gained and shaped from modulation circuit

2. Target function

Operation Frequency: 72.130MHz~72.870MHz(16 frequency points included, frequency blank is 20KHz)

Modulation Degree: $f_0 \pm 3\text{KHz}$ (f_0 is the rated frequency)

Output Power: $\leq 750\text{mW}$

Channel: 3 proportional channels

Operation voltage: DC 9.6V

Watt consumption: $\leq 200\text{mW}$