

# ACA300T Circuit Description

Operation Frequency: 2468MHz,

Modulation Type: FM

1. U3, Q1, L4 and otherwise constitute 12V to 5V DC/DC Power, for the wireless transfer module supply.
2. TM103I-E is 2.4GHz RF module .
  - (1) The audio signals will be mixed with mid-frequency of 6.5MHz.
  - (2) The processed audio signals together with the video signals are oscillated by 2.4GHz, then amplified to output circuit then RF output.
  - (3) Phase-locked loop circuit is used to stable the transmitted frequency. (The principle is to detect output, when the transmitted frequency is deviated from the designed frequency, the phase-locked loop circuit will send a control signal to change oscillating frequency to stable the transmitted frequency).