

**400FM- irock! BEAMIT WIRELESS MUSIC ADAPTER**

Applicant: FID.Inc

Product name: 400FM-irock! BEAMIT WIRELESS MUSIC ADAPTER

FCC ID: RFG 400 FM

**Circuit Description:**

Z2 and Q5 consist of over voltage protects circuit; U1, Q1 and Q2 consist of power on/off; U2 and Q3 consist of DC-DC convert circuit; the voltage is rise from 3V to 5V.

U3 is a FM stereo Modulation, RF signal amplified and RF transmit IC. The stereo audio input from Pin1 and Pin22. The Pin13&Pin14 and crystal "Y" consist the local oscillation(7.6MHz). Pin7 and Pin9 of U3 are PLL circuit and lock carrier frequency, and Pin11 of U3 is output as Frequency Modulation. C32, L2 and C39 consist of BPF circuit, and modulated signal output to antennae per the BPF circuit.