

APPLICANT: ZISTEL CO., LTD.

FCC ID: O9AEZ-0001

### Circuit Description Zistel Co. Ltd.

The transmitter consists almost totally of the TDA8822 integrated circuit from Philips. It uses a 4MHz crystal as a reference frequency oscillator. It has internally a phase locked loop frequency generator. Modulation is voice FM controlled by varactor diode VD1 this sums into the loop filter line of the IC. The RF output is a pin 19 of the IC and then amplified by a single 4 pin monolithic modular Integrated circuit to its final output power. The antenna consists of a printed circuit board trace of approx 4 inches.

### Power and Ground

Power is derived from 12V of a cigarette lighter socket. No external ground connection exists. The ground trace of the printed circuit board is the only ground.

