

MARSHALL ELECTRONICS, INC.

1910, EAST MAPLE AVENEUE, EL SEGUNDO, CA 90245, U.S.A.

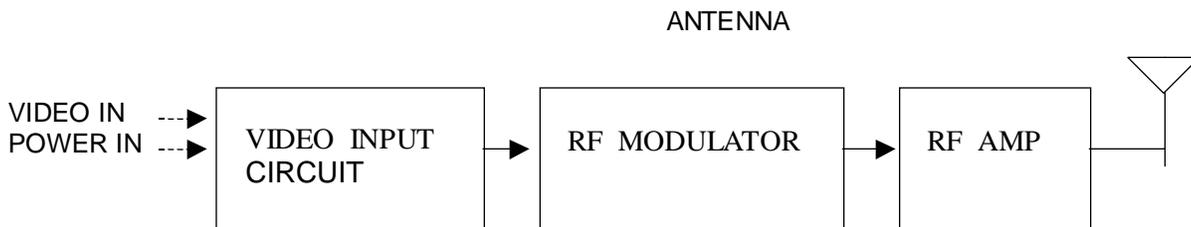
TEL : 1-310-333-0606, 1-800-800-6608 FAX : 1-310-333-0688

URL : <http://www.mars-cam.com>

SUBJECT : RF DESCRIPTION OF V-2297RF

Date : 22 Feb, 2001

1. BLOCK DIAGRAM



2. DESCRIPTION OF RF SIGNAL PROCESSING

A video signal is mixed with a DC base level signal in a video input circuitry.

This signal is delivered to a VCO (Voltage Control Oscillator), and it is modulating a RF output signal from the VCO.

After VCO modulated, the RF signal goes to a Power Amplifier, which bursting a modulated signal, and then goes to an antenna to be transmitted.

By changing a DC base signal using a built-in potentiometer, a carrying frequency can be adjusted.