



Operational Description (FM Transmitter function)

EUT (MC705HD) is a 7-inch TFT Monitor. It is available to broadcast audio signals from A/V input terminal. It is designed to be operated on the frequency from 88.1 MHz to 89.6 MHz. See the attached block diagram and schematic.

All audio signals from input terminals on the EUT are transferred to the FM transmitter IC (BU2611AF, PIN 14). The transferred signals are FM modulated and radiated on the air through Band Pass Filter in it. The BU2611AF is controlled by MICOM (IC: ST72F264), such as clock, data, and enable/disable function.

There is the 7.2 MHz crystal oscillator between PIN 1 and PIN 2 on the BU2611AF. The transmission frequency is stable because it has a PLL system transmitter circuit.

All tuning and verification are performed by the manufacture and there are no adjustments required by the user. No external ground is required or used with this transmitter.