



Operational Description (FM Transmitter function)

EUT (JYT-7000) is a 7-inch TFT LCD Color TV/Monitor. It is available to transmit audio signals on A/V input or TV receiving mode. It is designed to be operated on frequencies at 90.7 MHz to 92.2 MHz. See the attached block diagram and schematic.

All audio signals are transferred to the audio switch (IC: NJN2521, PIN 1 & 3), which is controlled by MICOM (TMP87CK38F) and then the signals are transferred to the amplifier (TDA7052), A/V output jack (J603), and FM stereo transmitter IC (BH1415F, PIN 1 & 22). The BH1415F is controlled by MICOM, such as clock, data, and enable/disable function. The transferred signals into the BH1415F are FM modulated and radiated on the air through Band Pass Filter in it.

There is the 7.6 MHz crystal oscillator between PIN 13 and PIN 14 on the BH1415F. 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.