

30XT 794---806MHz and 723MHz---735MHz

1. The voltage and current drain in the RF section.

2. Detail circuit information

1) Frequency stabilization

This is the synthesized oscillation method and its frequency stabilization depends on quality of the crystal.

This model is used the crystal that is frequency allowance will be within $\pm 10\text{ppm}$ at temperature -10C to $+60\text{C}$.

2) Spurious suppression

In order to suppress the spurious, LC type filter has been applied after the power amplification. Its detail circuit is posted below. A compound tuning circuit and π type low pass filter organizes it.

3) Limiting modulation

Put the diodes(D5,D6) on the output side of AF low pass filter.