

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

2) Description of the main circuit

1) Frequency stabilization

This oscillation is the synthesized system and its frequency stabilization will depend on the crystal vibrator characteristic. The frequency allowance will be $\pm 10\text{ppm}$ between -10C and $+60\text{C}$.

2) Spurious suppression

In order to suppress the spurious, the filter composed by L and C has been applied in this unit after the power amplification circuit. The circuit is posed below and it is the pi type double low pass filter.

3) Limiter circuit

The limiter circuit is applied at the output of low pass AF filter. This will control the modulation.