

OPERATING DESCRIPTION

1) Oscillator Block

This part is composed of C1, C3, and Y1.

The PLL Synthesizer use crystal oscillator's frequency as a fundamental.

2) Phase-locked Loop(PLL) Synthesizer Block

U1(RF IC) is composed of VCO, PFD, and CP.

PLL Synthesizer multiple signals and supply them to Power Amp.

3) Power Amp Block

U1 has inside power amplifier, and it supplies amplified signals to antenna block.

4) Antenna Matching Block

This part is composed of L2, C4, C5, C6.

This block matches impedances of antenna block to minimize loss of signal to antenna system.