

● Operational Description

1) Saw Filter

Saw Filter F1 is Band Pass Filter. It filters out desired signal and delivers it to the LNA

2) LNA (Low Noise Amplifier)

The signal passed from the saw filter is fed to the LNA. Then, the LNA amplifies and filters out the desired signal and delivers it to the op amp(U1A)

3) Super Regenerative Part

Super Regenerative Part will continue to build up RF Power until it saturates by nature of its positive feedback.

4) Amplifier U1A

The recovered signal from Q1 is amplified by an op amp (U1A)

5) A/D Conversion

The amplified signal by an U1A is converted analog to digital by an U1B