

- **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