

# Technical description

Model: FRS-100

- 1) Q1 is RX Low noise amplifier
- 2) Q2 is 1<sup>st</sup> Mixer
- 3) CF1 is crystal filter
- 4) Q3 is IF amplifier
- 5) U1 is IF IC included 2<sup>nd</sup> mixer and demodulator.
- 6) Q7, Q17 is VCO
- 7) Q6, Q5 is TX amplifier
- 8) Q21 is TX power amplifier
- 9) U6 is PLL IC
- 10) U4 is CPU
- 11) U3 is regulator
- 12) U2 is audio power amplifier
- 13) U5A is MIC amplifier
- 14) U5B is low battery detector