

Technical description

Model: UBZ-AR14

- 1) Q2 is RX Low noise amplifier
- 2) LF1 is 465MHz SAW filter
- 3) Q3 is 1st Mixer
- 4) CF1 is 21.4MHz crystal filter & CF2 is 450kHz ceramic filter
- 5) Q1 is IF amplifier
- 6) U1 is IF IC included 2nd mixer and demodulator.
- 7) Q5, Q7 is VCO
- 8) Q4, Q8 is TX amplifier
- 9) Q11 is TX power amplifier
- 10) U2 is PLL IC
- 11) XL1 is 20.95MHz crystal for PLL
- 12) U8 is CPU
- 13) U10 is regulator
- 14) U3 is audio power amplifier
- 15) U4 is MIC amplifier
- 16) U5 is CTCSS filter
- 17) U6 is audio filter
- 18) U13 is audio path SW

The min. operation voltage is 4.2V