

## **MRC-11X Circuit description**

Receiving part:

Antenna receives high-frequency signal transmitted by sender, enlarges it through Q101-Q102, and after go through S101 band-pass filter, send to Q103, acting together with signals (Q11, Q14, U401 RX VCO) transmitted by local oscillator, produces an intermediate frequency signal, go through 10.7MHZ intermediate frequency filter, and then send to U401 (KA3361D) intermediate frequency for enlargement, and demodulated an audio-frequency signal, send to U250, U204 for enlargement for the purpose of pushing speaker to sound.

Sending part:

An audio-frequency signal produced by microphone induce go through U250 low-pass filter for enlargement and then send to Q11/Q14, adjusted by TX VCO, and then send to multilevel amplifier constituted by Q304/Q306/Q307 for enlargement, finally antenna send out radio signal.