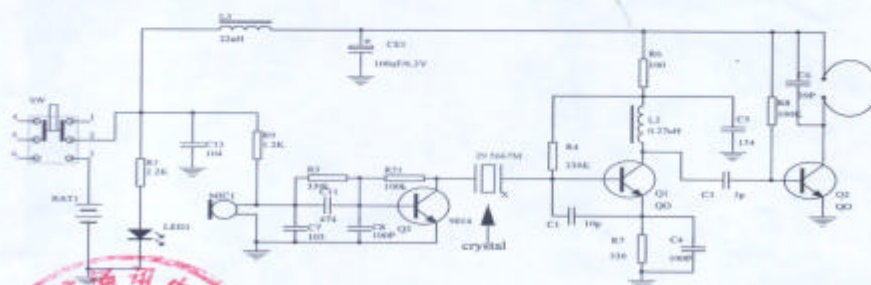




ALL CELLULAR PHONE ACCESSORIES MAKER

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The transmitter (AFC-308) mainly contains a crystal unit controlled transistor oscillator circuit. In the circuit it mainly includes the components of L2, C6, Q1, C1, and crystal(X) etc.(see the circuit diagram). The crystal unit X(29.5667MHz) is used as inductance and because the series frequency of crystal is 29.5167MHz, the parallel frequency of crystal is 29.5667MHz, when the oscillator circuit works. The basic frequency oscillator must be between the 29.5167 and 29.5667MHz, because the transmitting frequency of the transmitter is 3 times of the basic frequency oscillator, so $3 \times 50 = 150\text{kHz}$, the max bandwidth is 150kHz. If the volume of the input is changed, the bandwidth is out of 180kHz, the crystal is used as capacitance, so the oscillator circuit can not work, as above, when the transmitter works the bandwidth must not exceed 150kHz, i.e. below 200kHz.



Signature with title