

Model: TC590/STC590/TC595/STC595

Short Description

TX Part:

Base unit receives MIC signals by Handset RF Frequency Modulation. These signals that RF part of base unit receives send to PSTN through TIP/RING after mixing and demodulation.

RX Part:

Sound signals Send to the both side of base unit TIP/RING by PSTN, and then, send to RF to modulation to transmit to handset. Handset will receive the returned signal and send to speaker after mixing and demodulation.

Frequency modulation:

Handset:

MCU controls stably VCO oscillation frequency point on 903.94M Hz (Channel 20) by PLLIC , after amplifying the frequency point : 5868.22 Mhz, transmitting signal by FM modulation.

Base:

MCU controls VCO circuit by PLL IC circuit to make the VCO oscillation frequency on 903.94Mhz(20 CH) stably. Transmit signal by FM modulation after amplify 903.94 Mhz frequency point.