

INTERTEK TESTING SERVICES

Figure 6.2 Cordless Telephone Circuit Diagram

RF MODULE CURCUIT DESCRIPTION

* Frequency generation

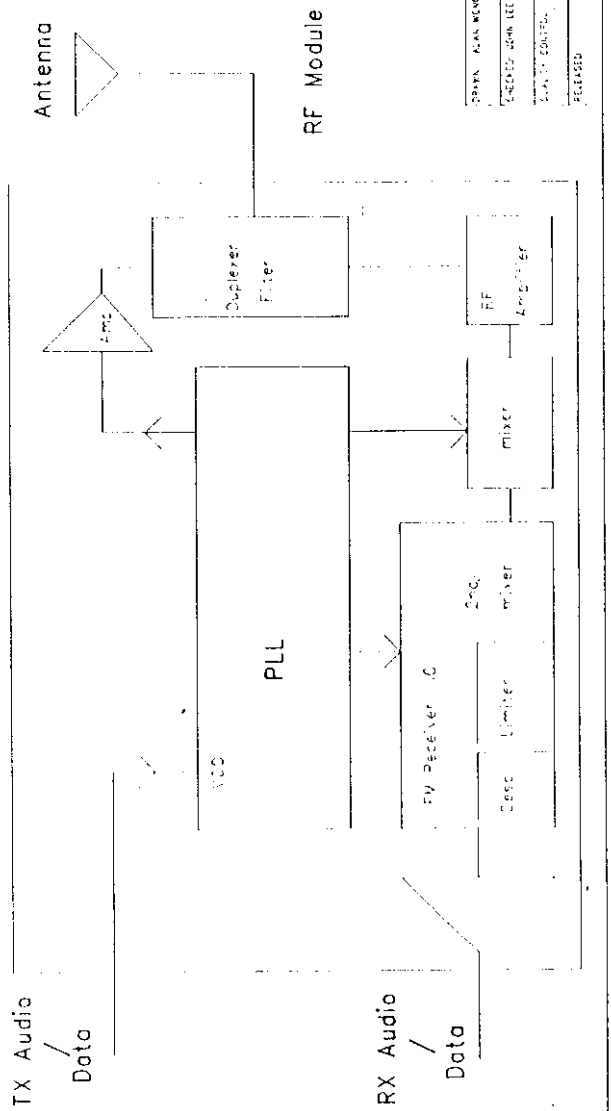
Utilizing RF synthesizer to generated the desirable frequency (904.9 Mhz - 906.4 Mhz for base unit, 925.6 Mhz - 927.1 Mhz for handset unit) for the transmitter and the receiver.

* Transmitter

The audio and control data is feed to the VCO for modulation, after amplification the RF signal is reached the antenna through the duplexer filter.

* Double conversion superheterodyne receiver

Signals that picked up from the antenna are injected to the RF amplifier after the duplexer filter, in the mixer stage, the RF signal will converted into 20.7 Mhz, then the 2nd mixer stage will change the 20.7 Mhz into 10.7 Mhz, after the limiter and discriminator an audio signal is recovered, it will be feed to the main board as Rxaudio /data.



COMPANY: MAY INTERNATIONAL LTD.			
TITLE: MATO MW 900MHZ 15 CHANNEL CORDLESS PHONE			
DESIGNER: ALAN WONG	DATE: 3/22/98	MODEL: MATO MW	DESIGN NO: 40
CHECKED: JOHN LEE	DATE: 3/22/98	CODE: STE	DESIGN NO: 40
APPROVED: JOHN LEE	DATE: 3/22/98	RF: CDSEC	DESIGN NO: 40
RELEASED:	DATE:	SCALE:	SHEET: 2 OF 4

