

TE100RF Alignment procedure

First programming frequency to "CF" NOTE 1.

A. VCO SECTION

1. VCO voltage.

- I. Let transmitter in TEST mode.
- II. Check "VCO" point adjust C20 for 1.5V +/- 0.05V

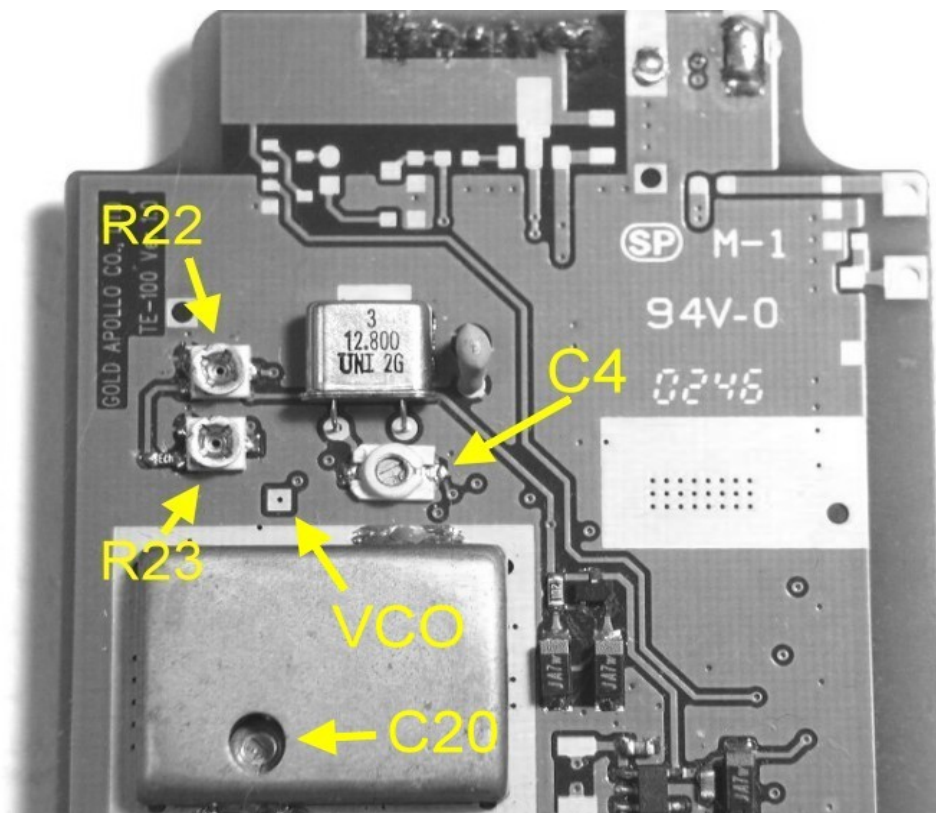
B. FREQUENCY SYNTHESIZER & MODULATOR

1. TX frequency

- I. Let transmitter in TEST mode.
- II. Adjust C4 for TX CF="CF" NOTE 1 +/- 200Hz.

2. TX FM deviation

- I. Let transmitter in TEST mode.
- II. Adjust R22 for TX FM deviation 2.0kHz.
- III. Adjust R23 to make modulation waveform like square wave.
- IV. Adjust C4 for TX CF="CF" NOTE 1 +/- 200Hz.



NOTE 1: 400~410 MHz CF=405MHz, 410~420MHz CF=415MHz, 420~430 MHz CF=425MHz, 430~440MHz CF=435MHz, 440~450MHz CF=445MHz.