

TUNING PROCEDURE

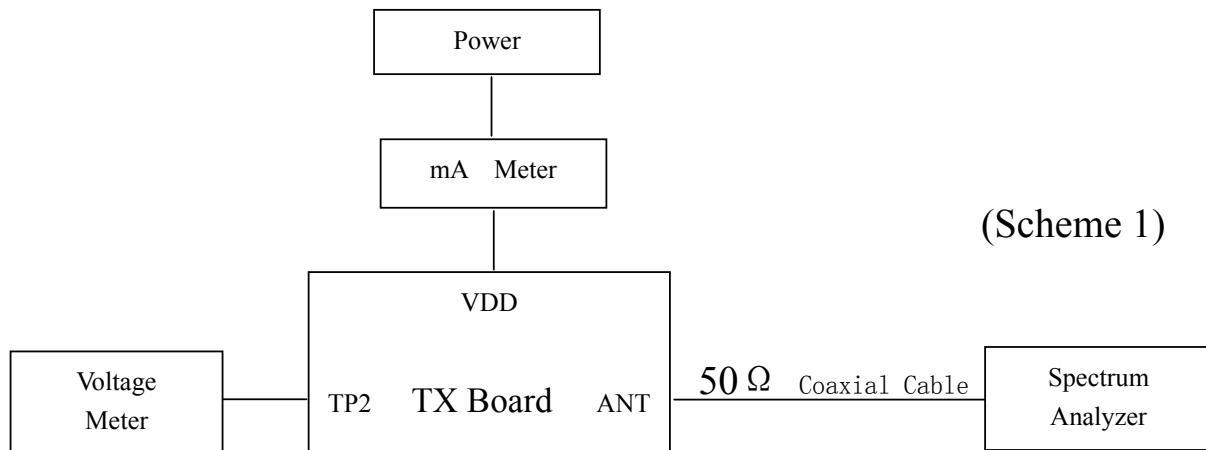
UB16 Body Pack Transmitter

UB16 Transmitter:

1: The following items are adjusted and measured according to scheme 1

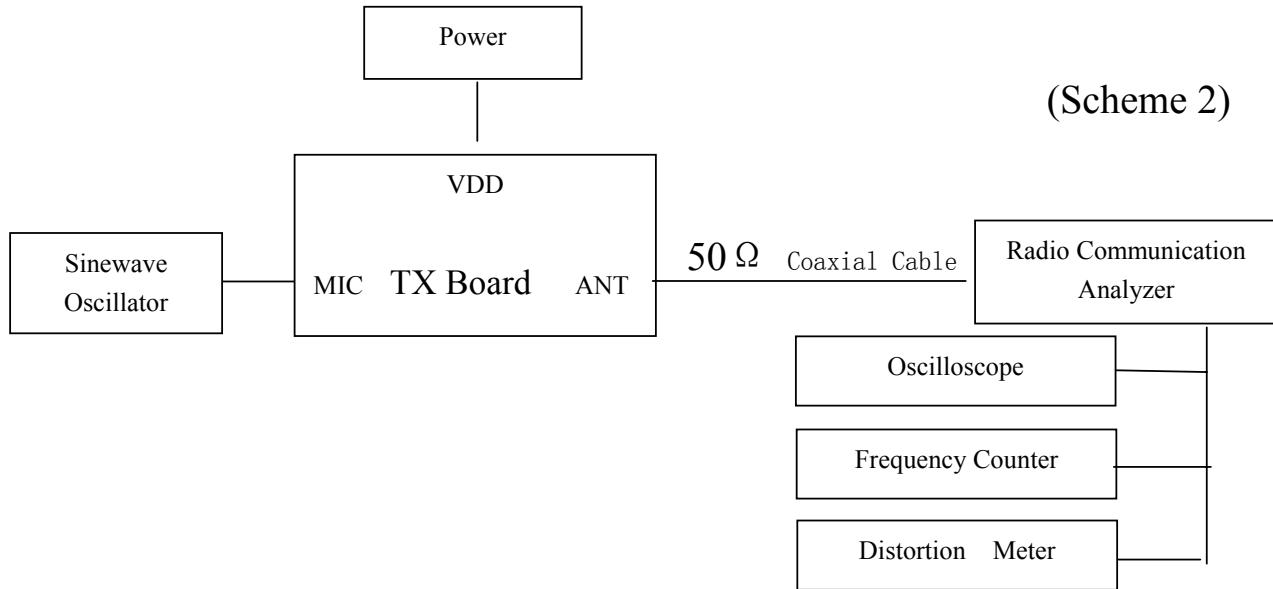
- a) RF Power Typical result = 13 dBm
- b) RF Frequency Typical result, CH 1 = 726.00 MHz, CH 16 = 745.90 MHz
Adjustment = VC1 for correct frequency
- c) Drain Current Typical result = 120 mA
- d) Harmonics Typical result, Fx2 <-40 dBm, Fx3 <-45 dBm, others <-65 dBm
- e) Spurious Typical result = <-40 dBm
- f) Low Battery on Typical result = 2.2V
- g) VCO Voltage Typical result, CH 1=0.8V, CH 16=2.22V

Adjustment = VC2 to center VCO control voltage range.



2: The following items are measured according to scheme 2

- a) Pilot Tone Frequency Typical result, Tone 1= 32.768 KHz Tone 2= 30.720 KHz
- b) Pilot Tone Modulation Deviation Typical result = 6 KHz
- c) 1 kHz Audio Tone Modulation Distortion Typical result = <1 %



3: The following items are adjusted and measured according to scheme 3

- a) Normal Deviation Typical result = 25 KHz for UHT-16 = 24 mV RMS
At 400 Hz UB-16 = 225 mV RMS
Adjustment = VR1 for microphone level
- b) Maximum Deviation Typical result = 200 KHz

