TK-260G/TK-270G and TK-360G/TK-370G Tuning Procedure

Before attempting to tune the transceiver, connect the unit to a suitable power supply. Whenever the transmitter tuned, must be connected to a suitable dummy load, unless the instruction specify otherwise. The speaker output connector must be terminated with a 8ohms dummy load at any time during the tuning and connected to an AC voltmeter and an audio distortion meter or a SINAD measurement meter at all the time during the tuning.

1-1 Adjusting Mode

Connect with the Radio and Personal Computer to COMPUTER PROGRAMMING INTERFACE(KPG-8 or KPG-22)

1-2 Tuning Items

 Battery Warning Level
 RF Power
 Squelch Threshold Level(Tight)
 Squelch Threshold Level(Open)
 QT Deviation
 DQT Deviation
 QT Balance
 DQT Balance
 DTMF Deviation
 Single Tone Deviation

1-3 Test Mode

Starting Test Mode, select the Tuning Frequency and Signaling.

1-3-1 Open the Program Menu of Window.

1-3-2 Press [T] or use [↓][↑] keys to Test Mode, then Press the [Enter].

1-3-3 Starting the Test Mode channel and Signaling after Tuning Data Read.

1-3-4 Use [←][→] keys to select channel then use [↓][↑] keys to select channel number then Press the [Enter].

1-3-5 Use [←][→] keys to select Signaling then use [↓][↑] keys to select Signaling number 12 waves.

1-3-6 Press the [Space],[F2] then Transmitter on.

1-3-7 Back to Reception during transmitter use [Space],[F2].

2-1 Tuning Mode

Starting Tuning Mode from Test Mode.

2-1-1 Press the [F10] during the TEST MODE CHANNEL & SIGNALING MODE then starting Tuning Mode and message Window open.

Tuning Mode
Battery Warning Level
RF High Power
RF Low Power
QT VCO Balance
QT TCXO Balance
DQT VCO Balance
DQT TCXO Balance
Max Deviation
QT Fine Deviation
DQT Fine Deviation
DTMF Fine Deviation
Single Tone Fine Deviation
Sensitivity
Squelch(Tight)
Squelch(Open)

2-1-2 Use [↓][↑] keys select tuning item [Battery Warning Level] then press [Enter].

2-1-3 Use [←][→] keys to adjust the level then press [Enter].

2-1-4 Select tuning item [RF High Power] then press [Enter].

2-1-5 Use [←][→] keys to adjust the level then press [Enter].

2-1-6 Select tuning item [RF Low Power] then press [Enter].

2-1-7 Use [←][→] keys to adjust the level then press [Enter].

2-1-8 Select tuning item [QT VCO Balance] then press [Enter].

2-1-9 Use [←][→] keys to adjust the level then press [Enter].

2-1-10 Select tuning item [QT TCXO Balance] then press [Enter].

2-1-11 Use [←][→] keys to adjust the level then press [Enter].

2-1-12 Select tuning item [DQT VCO Balance] then press [Enter].

2-1-13 Use [←][→] keys to adjust the level then press [Enter].

2-1-14 Select tuning item [DQT TCXO Balance] then press [Enter].

2-1-15 Use [←][→] keys to adjust the level then press [Enter].

2-1-16 Select tuning item [Max Deviation] then press [Enter].

2-1-17 Use [←][→] keys to adjust the level then press [Enter].

2-1-18 Select tuning item [QT Fine Deviation] then press [Enter].

2-1-19 Use [←][→] keys to adjust the level then press [Enter].

2-1-20 Select tuning item [DQT Fine Deviation] then press [Enter].

2-1-21 Use [←][→] keys to adjust the level then press [Enter].

2-1-22 Select tuning item [DTMF Fine Deviation] then press [Enter].

2-1-23 Use [←][→] keys to adjust the level then press [Enter].

2-1-24 Select tuning item [Single Tone Fine Deviation] then press [Enter].

2-1-25 Use [←][→] keys to adjust the level then press [Enter].

2-1-26 Select tuning item [Sensitivity] then press [Enter].

2-1-27 Use [←][→] keys to adjust the level then press [Enter].

2-1-28 Select tuning item [Squelch(Tight)] then press [Enter].

2-1-29 Use [←][→] keys to adjust the level then press [Enter].

2-1-30 Select tuning item [Squelch(Open)] then press [Enter].

2-1-31 Use [←][→] keys to adjust the level then press [Enter].

Press [Esc] then finish the TEST MODE.