

TK-3102 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

- Frequency Adjust
- RF Power
- Standard Battery Voltage
- Squelch Threshold Level(Tight)
- Squelch Threshold Level(Open)
- QT Deviation(Wide)
- DQT Deviation(Wide)
- QT Deviation(Narrow)
- DQT Deviation(Narrow)

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 38 waves.

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

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

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
Frequency Tune
RF Power
Battery
Squelch(Tight)
Squelch(Open)
QT Deviation(Wide)
DQT Deviation(Wide)
QT Deviation(Narrow)
DQT Deviation(Narrow)

2-1-2 Use[↓][↑]keys select tuning item[Frequency Tune]then press [Enter].

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

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

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

2-1-6 Select tuning item[BATTERY] then press [Enter].

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

2-1-8 Select tuning item [Squelch(Tight)]then press [Enter].

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

2-1-10 Select tuning item [Squelch(Open)] then press [Enter].

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

2-1-12 Select tuning item [QT Deviation(Wide)] then press [Enter].

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

2-1-14 Select tuning item [DQT Deviation(Wide)] then press [Enter].

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

2-1-16 Select tuning item [QT Deviation(Narrow)] then press [Enter].

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

2-1-18 Select tuning item [DQT Deviation(Narrow)]then press [Enter].

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