

# TS<sup>®</sup>54/53 Test Set Users Card

## Data Test / Lockout Override

Connect the test set to Tip and Ring. Press **TALK**. If data is present, a warning beep sounds, and the test set does not go off-hook, and the display shows **Data Detect Lockout**. To go off-hook, press **#**.

## Data Test (TS53 PRO)

Press **TEST** while in Monitor mode. If data is present, the display shows **Data Present On Line**. If data is not present, it shows **No Data Present On Line**.

## Polarity

**POL**: The polarity of Tip and Ring is reversed.

## Redial the Last Number Dialed

Press **TALK**. Press **LNR**.

## Speed Dial a Stored Number

Press **TALK**. Press **RCL**. Press the key (**1**) through (**9**) of the memory location where the number is stored.

## Volume

Press **▲** **▼** to adjust the volume of the speaker that is on.

## Menu



Press **MENU/ENTER**. To scroll, press **▲** **▼**. To select an item or save a setting, press **MENU/ENTER** again. To exit, select **Back** or press **MON**.

- **Contacts:** A phonebook of nine stored numbers for the speed dialing function. The number in memory location 9 is the number for the ANAC function.
- **Call Log:** A list of phone numbers for the last 10 calls that the test set made or received.
- **Digit Grab:** Shows you the digits dialed by another device.
- **SmartTone (TS54 TDR):** Lets you use an inductive probe to find telephone lines.
- **EditContact:** Lets you edit numbers in the phonebook.
- **TDR (TS54 TDR):** Lets you change the Line Verification and VOP settings for the TDR.
- **Settings:**
  - **Bklt Time:** Backlight timeout
  - **Handset Vol, Spkr Vol:** Handset and speaker volume.
  - **Tone/Pulse:** Select tone or pulse mode
  - **Pause Time Flash Time:** Duration for pause and flash.
  - **SpkrPhone:** Default mode for the speakerphone: **Two-Way:** microphone is on. **RecivOnly:** microphone is off.
  - **AutoShutOff:** Power-down timeout.
  - **FactDefaults:** Select factory defaults.

**Visual ANAC mode (For service provider use only. Visual ANAC is not available in all regions.)**

Connect the test set to a working telephone


line. Press . Press  . The display shows



Dial ANAC. Dial the ANAC number. If you put the ANAC number into location 9 in the Call Phonebook, the test set goes into visual ANAC mode and dials the ANAC number when you press  .

## Caller ID Messages

- The incoming phone number
- **Blocked ID:** CID is blocked
- **Line error:** CID data is incomplete
- **Unknown ID:** CID is not available

## TDR (TS54 TDR)

The TDR lets you measure the length of cables and the distance to the first open or short on cables as long as 3,000 ft (914 m). Optional: Turn on the Line Verification (**Line Verif**) function and set the velocity of propagation (**VOP**) to the correct value for the cable. The Line Verification function does tests for data and voltage on the line when you press .

Press . Connect the test leads to the cable. Press .

### TDR Results

- **Short at 1267 ft:** There is a short across the two conductors 1267 feet from the test set.
- **Open at 2433 ft:** The cable is 2433 feet long, or there is an open in one or both of the conductors 2433 feet from the test set.
- **TDR Voltage Detect Lockout:** There is data or voltage on the line. The TDR does not operate on an active line.

## Toner and SmartTone Function (TS54 TDR)

The toner helps you identify wire pairs and find cables in bundles, at patch panels, or behind walls.

Connect the test leads to two wires in a cable. Press **MENU/ENTER**, then select **SmartTone**. Use a tone probe to find the place where the tone is the loudest.

If there is voltage on the line, the display shows **SmartTone Volt Detect Lock Out**, and toner will not operate.

The SmartTone function helps you make sure you correctly identify a wire pair. When you put a short on the correct pair, the tone changes.

## Standard VOPs

Press **MENU/ENTER**, select **TDR**, then select **VOP Settings**.

VOP	Twisted Pair Cable Types
68	Gel Filled 19 AWG
64	Gel Filled 22 AWG
62	Gel Filled 24 AWG
60	Gel Filled 26 AWG
68	Paper 22 AWG
66	Paper 24 AWG
65	Paper 26 AWG
72	PIC 19 AWG
67	PIC 22 AWG
66	PIC 24 AWG (default)
64	PIC 26 AWG