

AUA403 RT TEST CHANNEL UNIT - POTS 5SCUV00AXX

DATA SHEET

SLC[®] SERIES 5 CARRIER SYSTEM

The AUA403 RT test CU (channel unit) (COMCODE 104432885) is intended for use only at the remote terminal (RT - J1C182AE) location of a SLC Series 5 Carrier System featuring Fiber-To-The-Home when performing turn-up and trouble isolation procedures. This plug-in is identical to the AUA58 CU with the exception of the tip and ring leads which have been broken so that tests can be performed on the system [COT (central office terminal) to RT and vice versa] without damaging the optical units on the customer loop. The only access to the tip and ring leads on the plug-in is via the jack on the faceplate of the unit.

This practice is reissued to add the CLEI* code for this unit, to correct the colors of the faceplate LED indicators, and to make minor editorial changes.

This plug-in, just like the AUA58 CU, provides standard 2-wire analog, single party, POTS applications with loop-start supervision. This plug-in provides two channels of service and furnishes a current feed interface to the connection at the faceplate jack. The COT end of the channel will normally be terminated with an AUA31 or an AUA38 POTS CU. A forward disconnect feature is also provided.

Figure 1 is a functional block diagram of the unit and Figure 2 shows the faceplate.

The test channel unit provides a voice-frequency

interface with a structural impedance of 900 ohms in series with 2.15 μ F. The balance network is also 900 ohms in series with 2.15 μ F. The transmit and receive insertion losses are both 1 dB. During on-hook conditions, the test channel unit is not powered down. OHT (on-hook transmission), with an insertion loss of approximately 5 dB in each direction, is possible when the far end is terminated with an AUA38 CU.

Faceplate LEDs indicate as follows:

- **ODD BUSY** (red LED): When lighted, indicates that the odd channel is busy.
- **EVEN BUSY** (red LED): When lighted, indicates that the even channel is busy.

The faceplate jack provides convenient access to the tip (T) and ring (R) of both the odd (O) and even (E) channels. Access to the faceplate jack is accomplished using the WP91067, L6 test cable (COMCODE 405525809).

Technical assistance for the SLC Series 5 carrier system can be obtained by calling the Regional Technical Assistance Center at 1-800-225-RTAC. This telephone number is staffed 24 hours per day.

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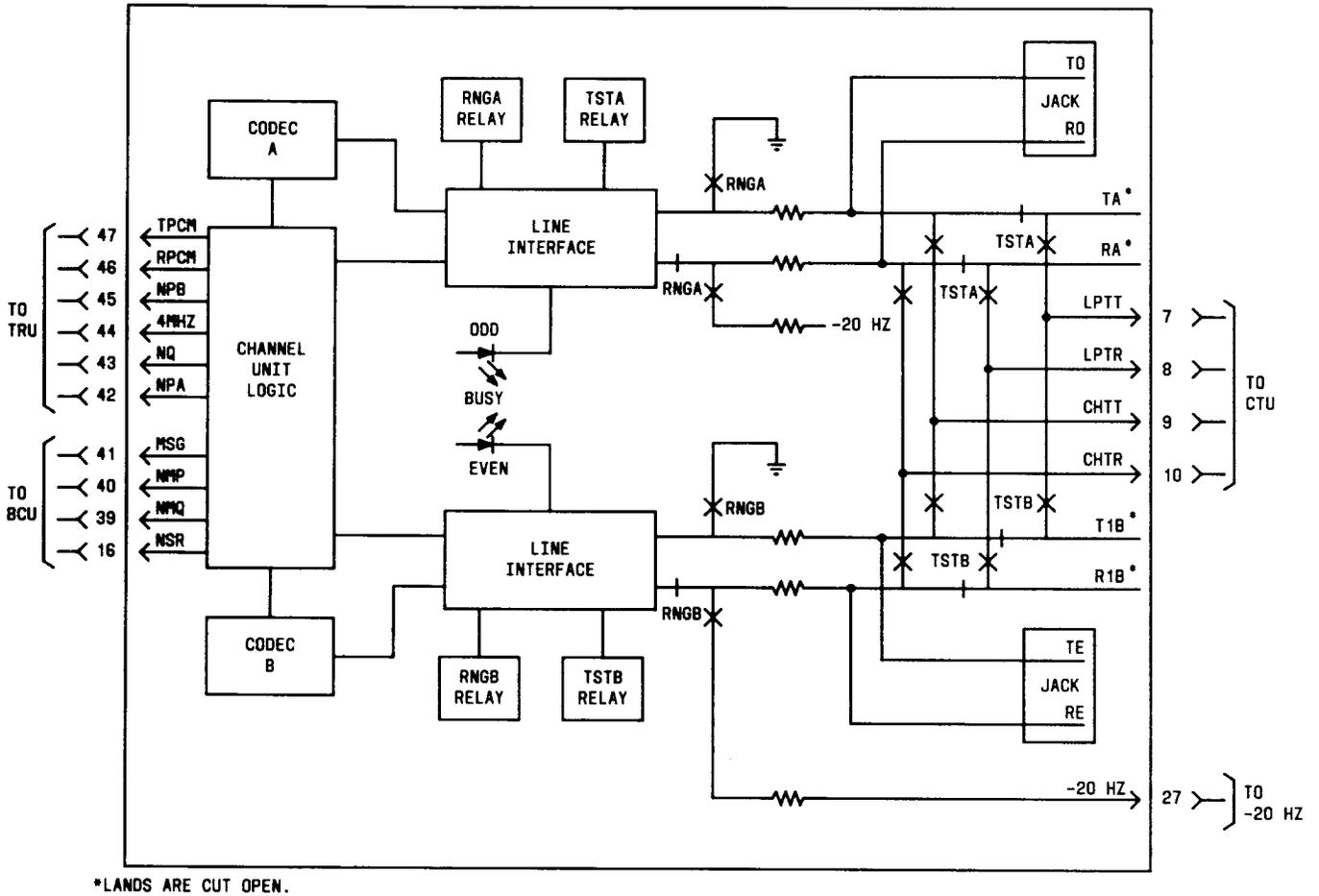


Figure 1—AUA403 RT Test CU Block Diagram

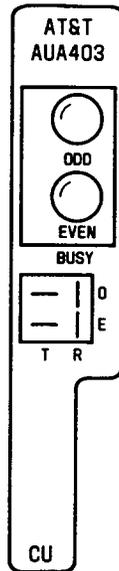


Figure 2—AUA403 RT Test CU Faceplate