AT&T

SLC® Series 5 Carrier System

EAF1 Drop Test Module - 5SPQAAN

Data Sheet

This data sheet describes the EAF1 drop test module (DTM) (COMCODE 106020639) and is intended for the end-user of the unit. The EAF1 DTM is used in the 900A-type distant terminal (DT) and provides the drop testing capability for the DT end of a *SLC*® Series 5 Carrier System featuring Fiber-To-The-Home (FTTH).

This data sheet is reissued to make minor corrections to the text.

Figure 1 is a functional block diagram, and Figure 2 shows a front view of the EAF1 DTM.

When a remote channel test is activated, the ASJ2 channel unit (CU) connects the EAF1 DTM onto the drop of the channel under test, and the EAF1 DTM tests the drop and reports the test results back to the ASJ2 CU which forwards them to the remote terminal (RT).

The EAF1 DTM performs tests to detect the following faults on the drop beyond the DT:

- Foreign voltage (FEMF)
- Metallic leakage
- Receiver off-hook (ROH)
- Lack of continuity to the station set (OPEN).

If none of these faults are found, the EAF1 DTM reports a test OK.

These drop test results are used by the AUA404 or AUA405 CU at the RT to create a DC signature that can be interpreted by the mechanized loop testing (MLT) system. All tests are made against fixed thresholds that are stored on the EAF1 DTM.

Overvoltage and overcurrent protection are provided on the tip and ring conductors of the EAF1 DTM to prevent damage to the unit when it is connected to a line that already has a serious fault on it.

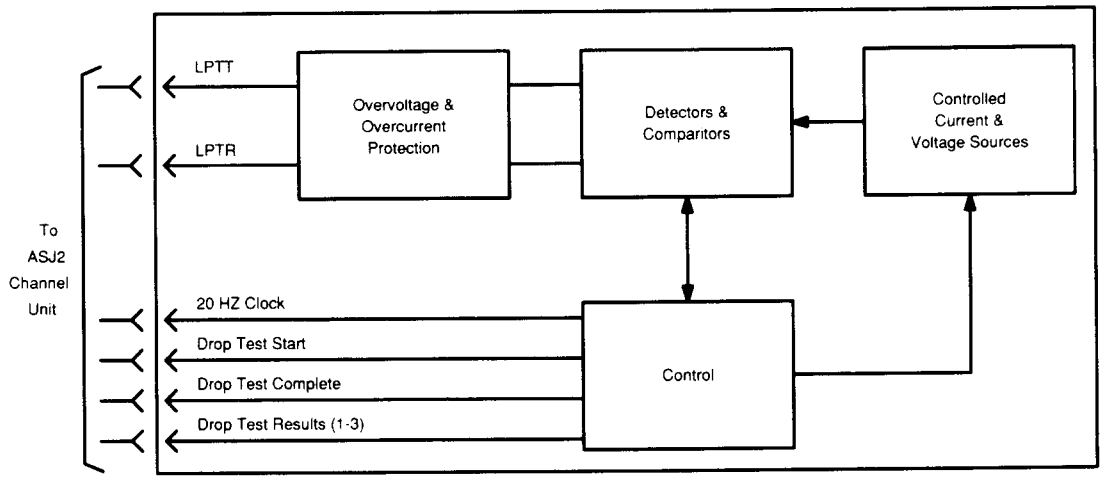

Figure 1. EAF1 DTM Block Diagram

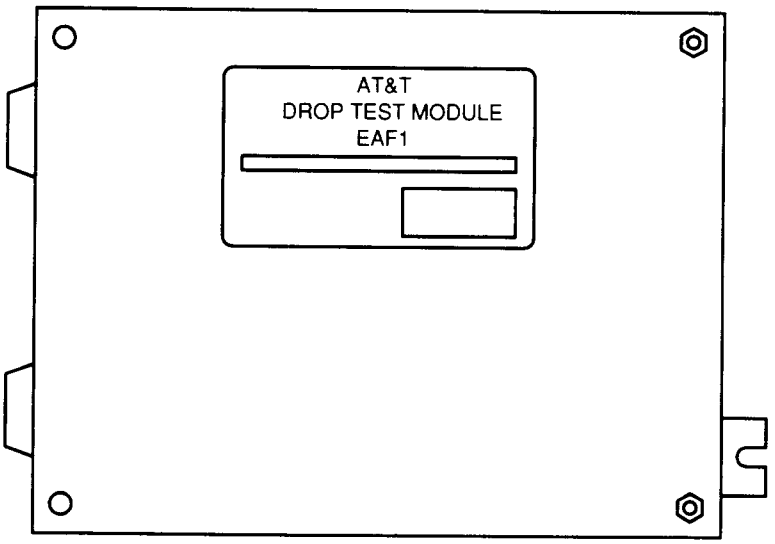

Figure 2. EAF1 DTM Front View

In-hours or emergency out-of-hours technical assistance for the *SLC* Series 5 Carrier System can be obtained by calling the Regional Technical Assistance Center at **1-800-225-RTAC**.

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