

Testing CPE and Terminal Equipment on the Basic Rate Interface with Duet

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Application Note ANDUET_3

Testing the World's Digital Networks



TrendCommunications

TESTING CPE AND TERMINAL EQUIPMENT.

Isolating problems with NT equipment - LT mode on the auroraDuet

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To isolate the fault further on ETSI networks, it is possible to place an auroraDuet into 2B1Q Line Termination (LT) mode, simulating the Local Exchange line card. Figure 1 details the test configuration.

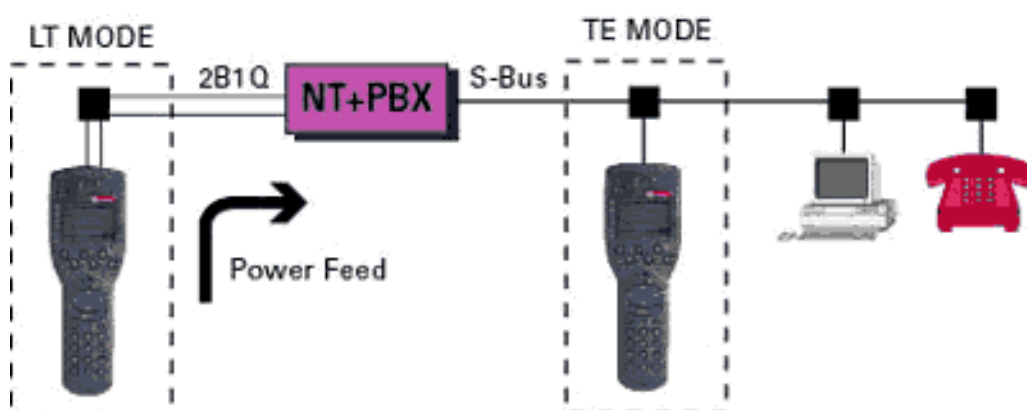


Figure 1

LT mode test configuration.

LT mode may be enabled from the SETUP, EMULATION menu. 2B1Q interface is selected and power-feed of approximately 50 volts may be supplied from the auroraDuet (higher voltages are available from an external power feed box)

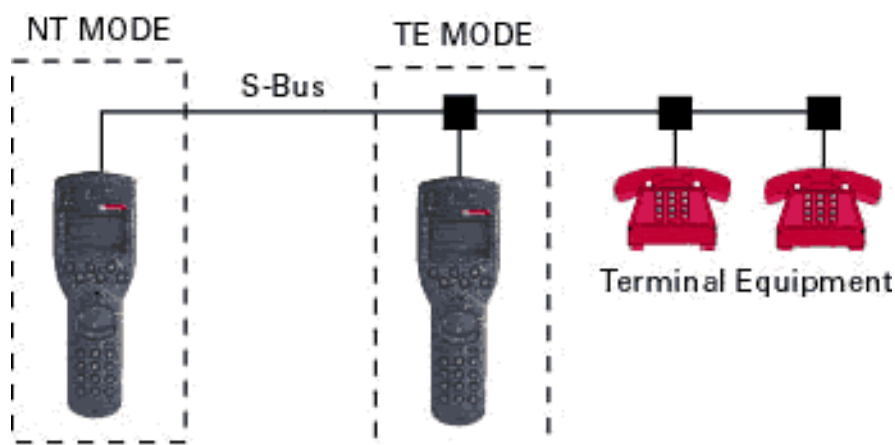


Connection to the NT1 U interface is made using cable 422372.

The customer terminal equipment or an auroraDuet in TE mode may then be connected to the S-BUS for through testing of the NT equipment.

2. Testing Terminal Equipment - Automatic BRI cross connect on auroraDuet

Verifying the operation of terminal equipment on the S-interface causes many problems for the systems installation and commissioning technicians. The auroraDuet may be switched into a mode allowing it to simulate a miniature switch or PBX. This will allow calls to be passed between terminal equipment on the S-bus thus verifying the operation of each TE prior to connection to the ISDN.



The auroraDuet must be set into NT PMP mode on the S interface and the CLI screening set up to screen incoming calls and route them to particular terminals in order to enable the BRI cross-connect facility.

The functionality detailed above is available in the latest release of auroraDuet software. Please contact your Local Vendor or the Trend Communications Ltd Customer Support Hotline (tel: +44 1628 851085) for further information.

