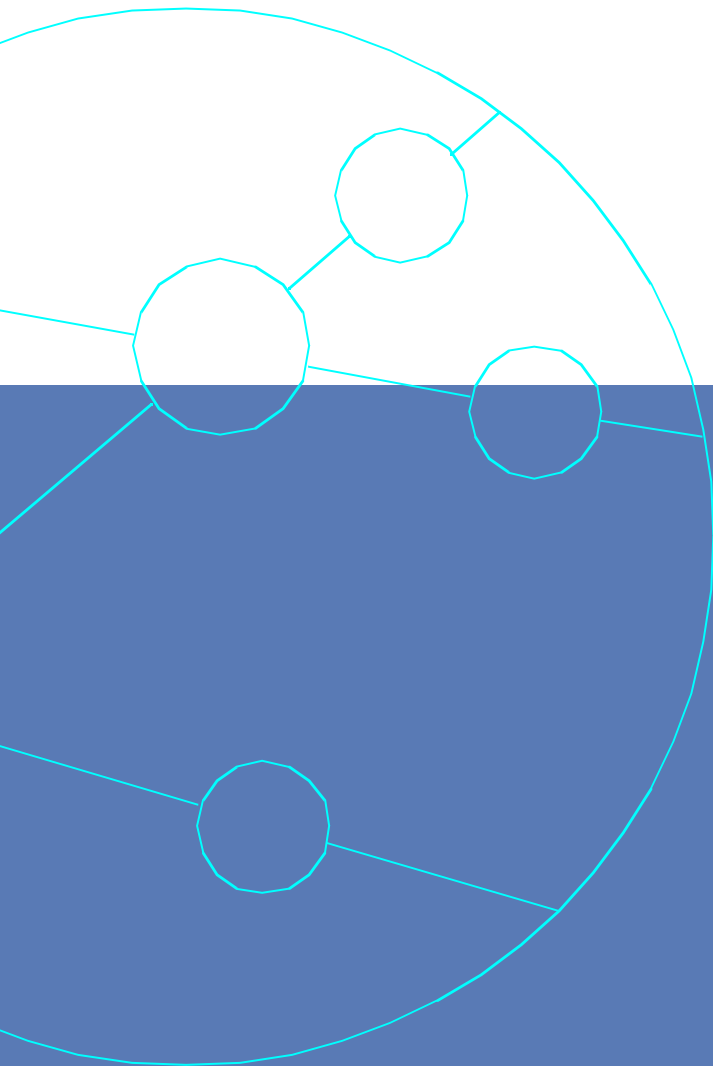


xDSL Pair Qualification using the LT2000 Pseudo Cross Talk

When a customer complains of a bad quality service it is easy to check quickly if the customer pair is able to receive noise or not without disrupting the customer service.

Application Note ANLT2000_3



Testing the World's Digital Networks

TrendCommunications

PSEUDO CROSS-TALK

This test is split in two sections;

a. First you have to check the level and the bandwidth on line while the service is running, this test is performed in scan mode with high impedance monitor settings to avoid interrupting the service.

This measurement allow you to determine at which frequency you can send a signal in an adjacent pair without interrupting the service.

b. The second test is a near cross-talk measurement, the only difference with this measurement is that the transmitter is in normal line impedance mode but the receiver is still monitoring in high impedance mode. This test is used mostly for maintenance. When customer complains of a bad quality service it is easy to check quickly if the customer pair is able to receive noise or not without disrupting the customer service.

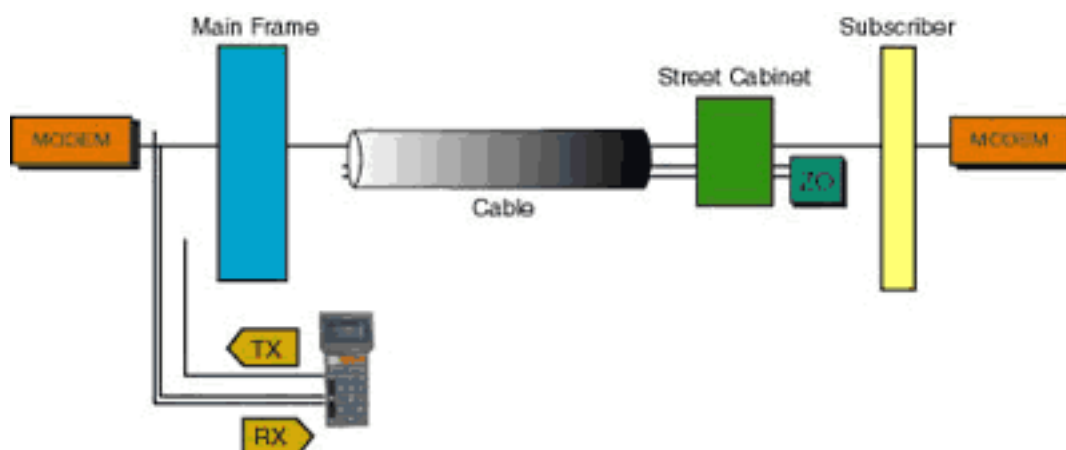
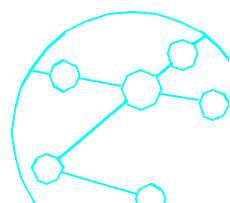


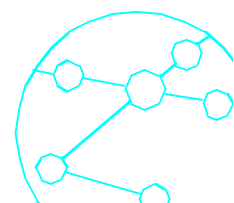
Figure 1

Typical Test Layout for Cross-talk measurements.



The test configuration for cross-talk measurements using the LT2000 is detailed in figure 1. The modem blocks signify the xDSL modem equipment of the line in service (ATU-R: Remote modem to ATU-C: Central Office modem).

The functionality detailed above is available in the latest release of LT2000 software. Please contact your Local Vendor or the Trend Communications Ltd Customer Support Hotline (tel: +44 1628 851085) for further information.





TrendCommunications

Trend Communications Ltd
Knaves Beech Estate
Loudwater, High Wycombe
Bucks HP10 9QZ UK
www.trendcomms.com
info@trendcomms.com

Trend Communications SL
Pujades, 60
08005 Barcelona
(Spain)

International: +44 1628 524977
España:..... 93 300 3313
Deutschland: 089 32 30 09 11
US: 256 461 0790

UK:..... 01628 524977
France: 01 69 35 54 70
India:..... 22 8597 463/4