

168. Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer and baseband medium, type 10BASE-T1M

168.6.5.2 Alien crosstalk noise rejection

The test is performed with a noise source such that noise with a Gaussian distribution bandwidth of 40 MHz, and magnitude of -101 dBm/Hz is present at the receive DUT's TCI.

The receive DUT is connected to these noise sources through a resistive network as shown in Figure 168–1 with mixing segment as defined in 168.8. The BER shall be less than 10^{-10} . This specification may be considered satisfied when the frame loss ratio is less than 10^{-7} for 125 octet frames measured at MAC/PLS service interface.

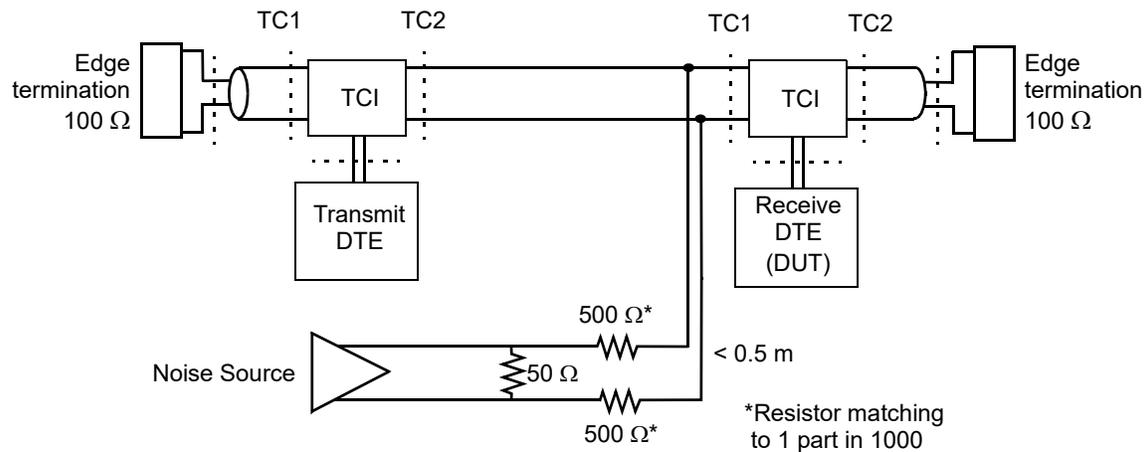


Figure 168–1—Alien crosstalk noise rejection test set-up