

97.5.4.2.2 Alien crosstalk noise rejection

This specification is provided to verify the receiver's tolerance to alien crosstalk noise. The test is performed with a noise source consisting of a signal generator with Gaussian distribution, bandwidth of 550 MHz and magnitude of -130 dBm/Hz for devices supporting type A link segments and -145 dBm/Hz for devices supporting type B link segments. The receive DUT is connected to these noise sources through a resistive network, as shown in Figure 97-TBD, with a link segment as defined in 97.5.5. The noise is added at the MDI of the DUT. The BER shall be less than 10^{-10} , and to satisfy this specification the frame error ratio is less than 10^{-7} for 125 octet packets measured at MAC/PLS service interface.

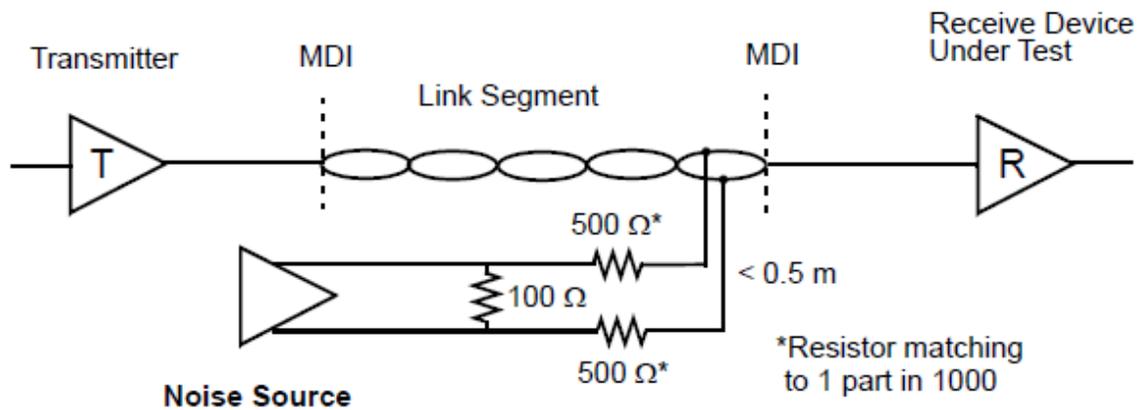


Fig 97-TBD - Alien crosstalk noise rejection test setup

Editors Note (to be removed, etc...): Specific numbers to be examined and modified as needed. They are the first order approximation ONLY!.