

97.5.5.1.1 Transmitter peak differential output

When measured with 100 Ω termination, transmit differential signal at MDI shall be less than 1.30 V peak-to-peak. This limit applies to all transmit modes including SEND_S, SEND_T, SEND_I and SEND_N modes.

97.5.5.1.2 Transmitter clock frequency

The symbol transmission rate of the MASTER PHY shall be within the range 750 MHz \pm 100 ppm.

When the transmitter is in the LPI transmit mode, the transmitter clock short-term rate of frequency variation shall be less than 0.1 ppm/second. The short-term frequency variation limit shall also apply when switching to and from the LPI mode.

97.5.5.2.1 Receiver differential input signals

Differential signals received at the MDI that were transmitted from a remote transmitter within the specifications of 97.5.3.1 and have passed through a link specified in 97.5.4 are received with a BER less than 10^{-10} and sent to the PCS after link reset completion. This specification shall be satisfied by a frame error ratio less than 10^{-7} for 125-octet frames.

97.8.1 MDI connectors

The mechanical interface to the balanced cabling is a 2-pin connector or 2 pins of a multi-pin connector.

97.8.2 MDI electrical specification

The MDI connector mated with a specified balanced twisted-pair cable connector shall meet the electrical requirements specified in 97.5.4.

98.2.1.1.4 Transmitter peak differential output

When measured with 100 Ω termination, transmit differential signal at MDI shall be within range of 1 V \pm 30% peak-to-peak.

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