

PCI Express 3.0 Testing Approaches for PHY Layer













































Transmitter Jitter Measurements

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- Necessary to take transmitter jitter measurements with all lanes operating in order to capture crosstalk effects
- Measurements are taken at TP1 and de-embedded back to the pins of the TX
- Necessary to separate uncorrelated and data dependent jitter in order to ensure that jitter that can be recovered is not budgeted as uncorrelated jitter

Cause Due to	nackage loss and	I have a second a total and BLL Stream
chann	tions (dynamics in the lel, ISI)	crosstalk, noise conversion (amplitude to phase)
How to compensate Can b equali	e reduced by zation	Difficult to remove (better components, layout)







































