

Fig. 1 Measured eye diagrams of a 42.7-Gb/s NRZ-DPSK signal demodulated by Optoplex's 50-GHz FSR passive DPSK demodulator.

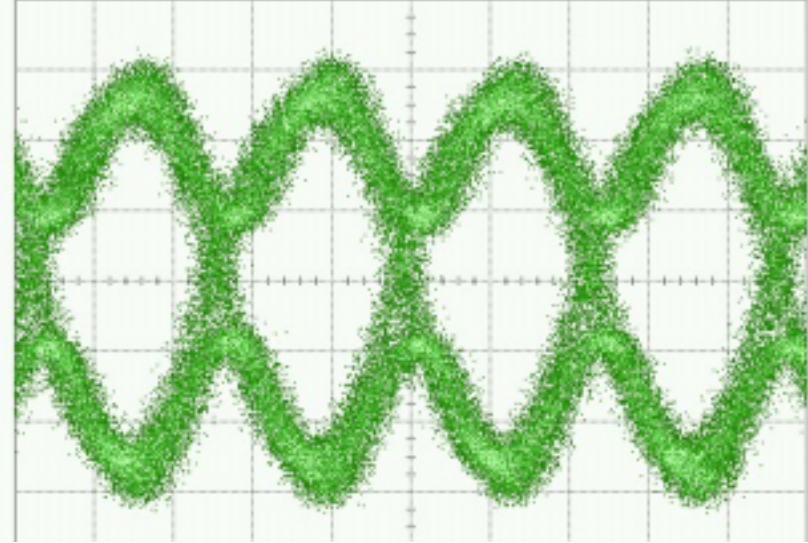


Fig. 2 Measured eye diagrams of a 42.7-Gb/s 67%RZ-DPSK signal demodulated by Optoplex's 50-GHz FSR passive DPSK demodulator.

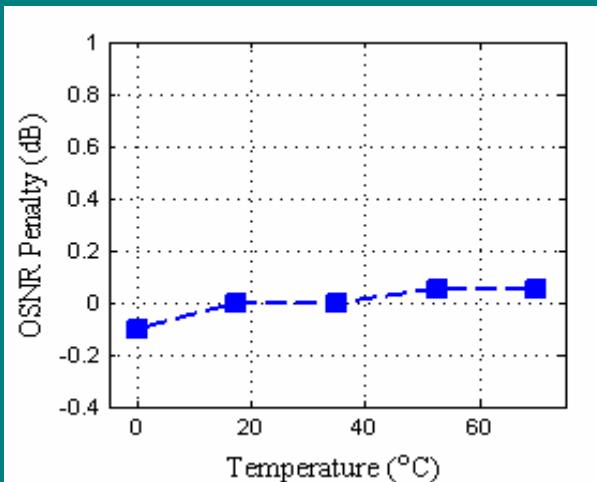


Fig. 3 Measured OSNR penalty vs. temperature for a 42.7-Gb/s NRZ-DPSK signal demodulated by Optoplex's 50-GHz FSR passive DPSK demodulator.

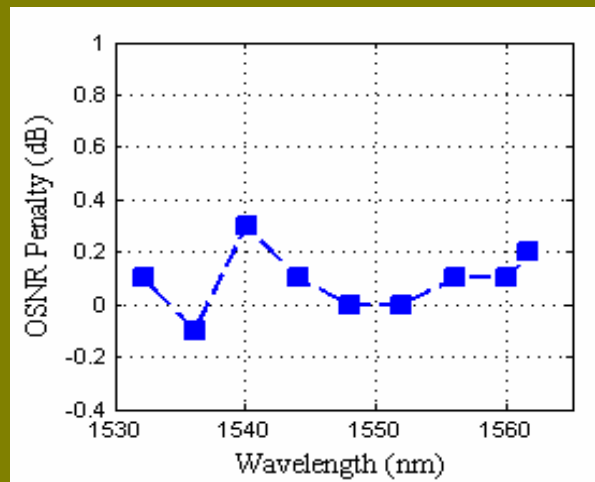


Fig. 4 Measured OSNR penalty vs. wavelength over C-band for a 42.7-Gb/s NRZ-DPSK signal demodulated by Optoplex's 50-GHz FSR passive DPSK demodulator. The channels are set on the ITU grid.

The above results were measured through collaboration with Lucent Technologies