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Dynamic Crosstalk Measurement for Wavelength Selective Switches

Summary

This technical report describes the investigation results of dynamic crosstalk for wavelength selective switches. It has been categorized static crosstalk and dynamic crosstalk, and same channel crosstalk and different channel crosstalk. The generating mechanism of dynamic crosstalk for ROADMs systems has been studied. Using three types of wavelength selective switches, the measurements of dynamic crosstalk have been demonstrated. Additionally the measurement set-up and measurement conditions have been studied.