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Application guide for Four-wave mixing effect in optical amplifiers

Summary

The four-wave mixing (FWM) effect is known as one of the major restrictions in DWDM transmission systems. Although observation, conditions for generation, and evaluation methods have been reported in the literature, no standards have been published on this subject, and manufactures and users evaluate this phenomenon using their own techniques. This TP provides an overview of the FWM effect and references information on the test method.