P802.3cn optical reflection limits

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Introduction

Baseline proposals have been made for:
                50GBASE-ER
                200GBASE-ER4
                400GBASE-ER8

This presentation looks at the expected MPI penalty that these PMDs would have using the C program used to generate the plots in anslow_01_0517_smf
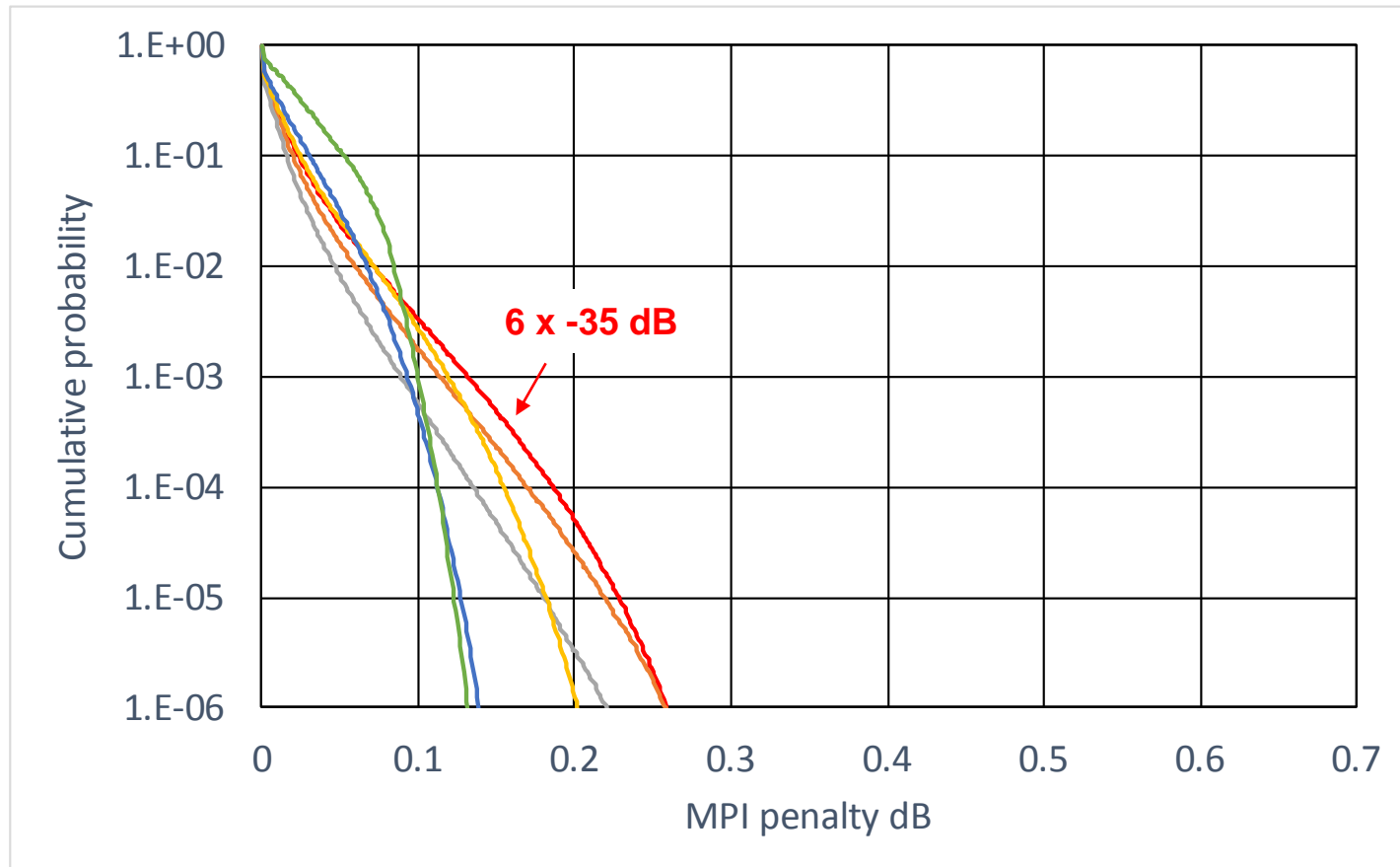
This is based on the calculations in the spreadsheet in king_02a_0116_smf.7z in order to extend the Monte Carlo analysis to a larger number of samples.

The values of the reflectances are the same as those for 400GBASE-LR4 and the ER and channel loss values are taken from the baseline proposals.

ER, ER4, ER8, 6 dB ER

**BER 2.4E-4
ER 6 dB**

-26	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	18	-26
-26	-37	-37	-55	-37	-37	-37	-37	-55	-37	-37	18	-26
-26	-35	-55	-55	-35	-35	-35	-35	-55	-55	-35	18	-26
-26	-33	-55	-55	-55	-33	-33	-55	-55	-55	-33	18	-26
-26	-29	-55	-55	-55	-55	-55	-55	-55	-55	-29	18	-26
-26	-55	-55	-55	-55	-55	-22	-55	-55	-55	-55	18	-26

6 x -35 dB

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Thanks!