

RIN specifications for 1550 serial

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What is the problem ?

- The current specification is -140 dB/Hz
 - This is a difficult requirement that will result in more expensive components
 - It is possible to relax the specification with a negligible penalty
- Change to $RIN_{OMA} < -130$ dB/Hz
 - Significantly less difficult to make
 - Gives a mere 0.05 dB penalty (link model)

RIN penalty in spreadsheet model

