



25G APD ROSA sensitivity update (IEEE 802.3cc meeting)

2016-10-28

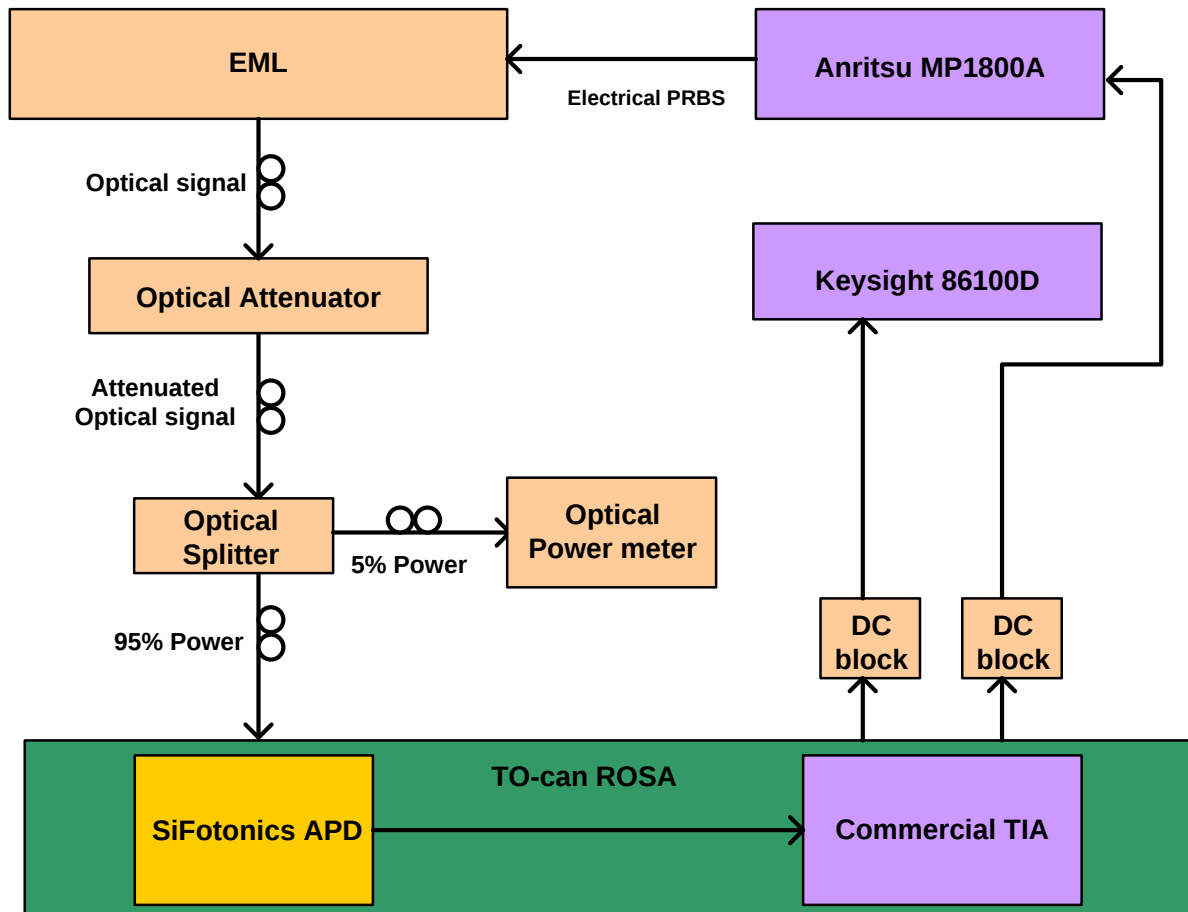


Contributors

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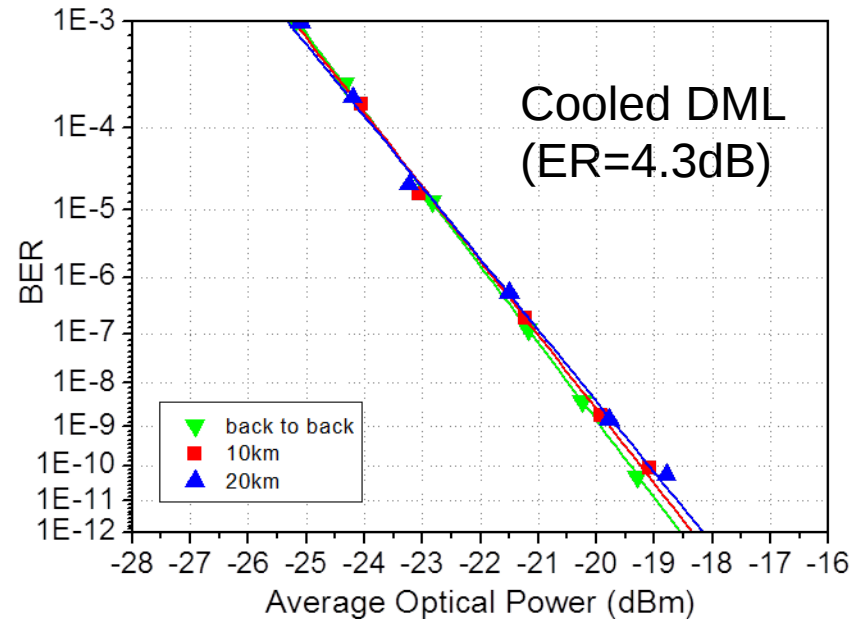
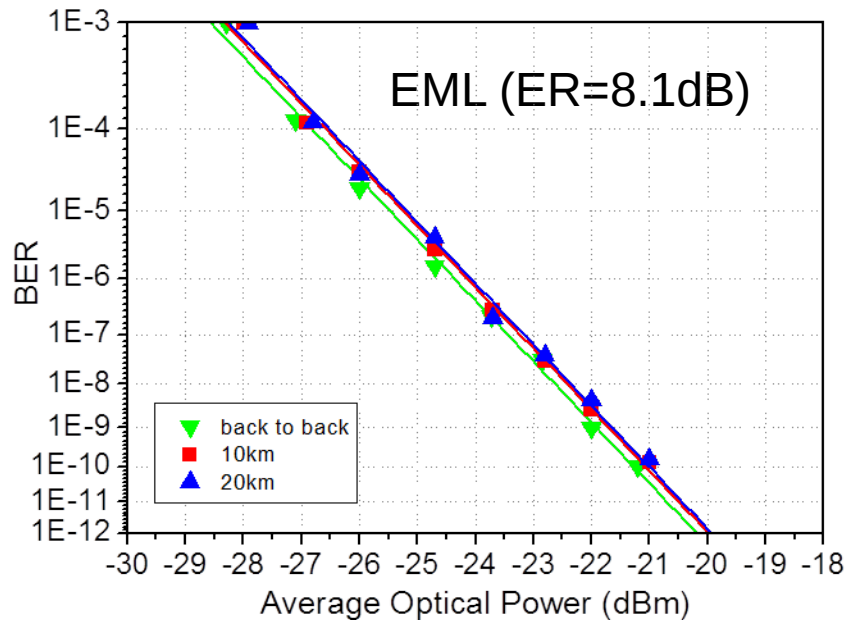


Test setup





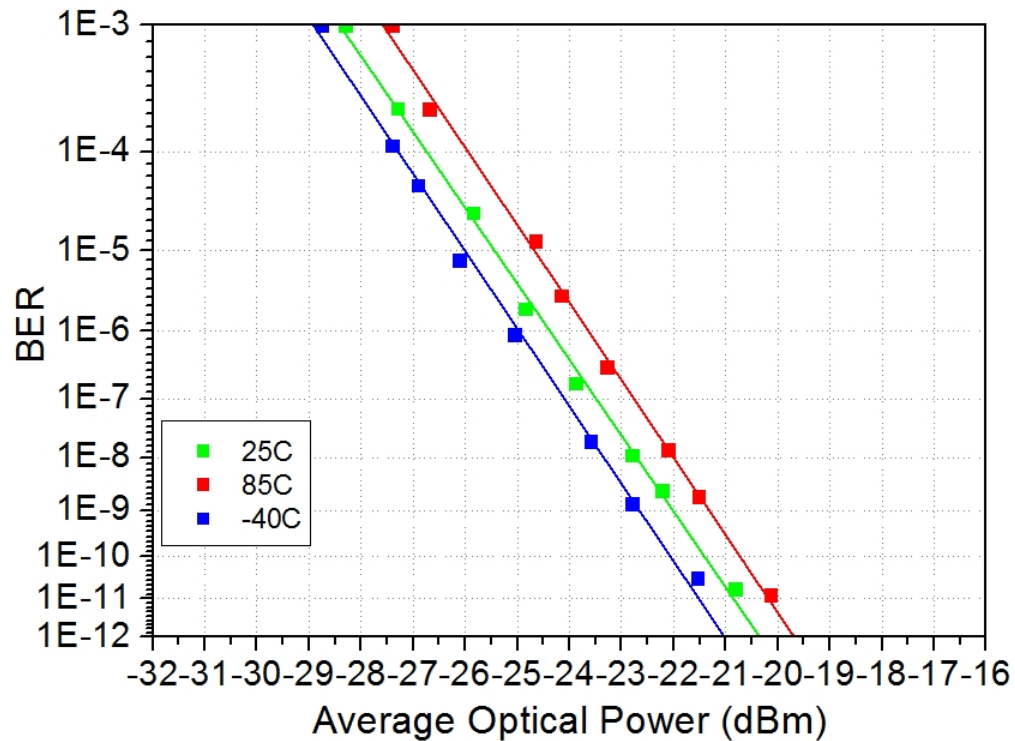
TO-can APD ROSA with EML (ER=8.1dB) and DML (ER=4.3dB)



Test conditions: 1304nm, NRZ, PRBS=2³¹-1, 25.78Gb/s, RT



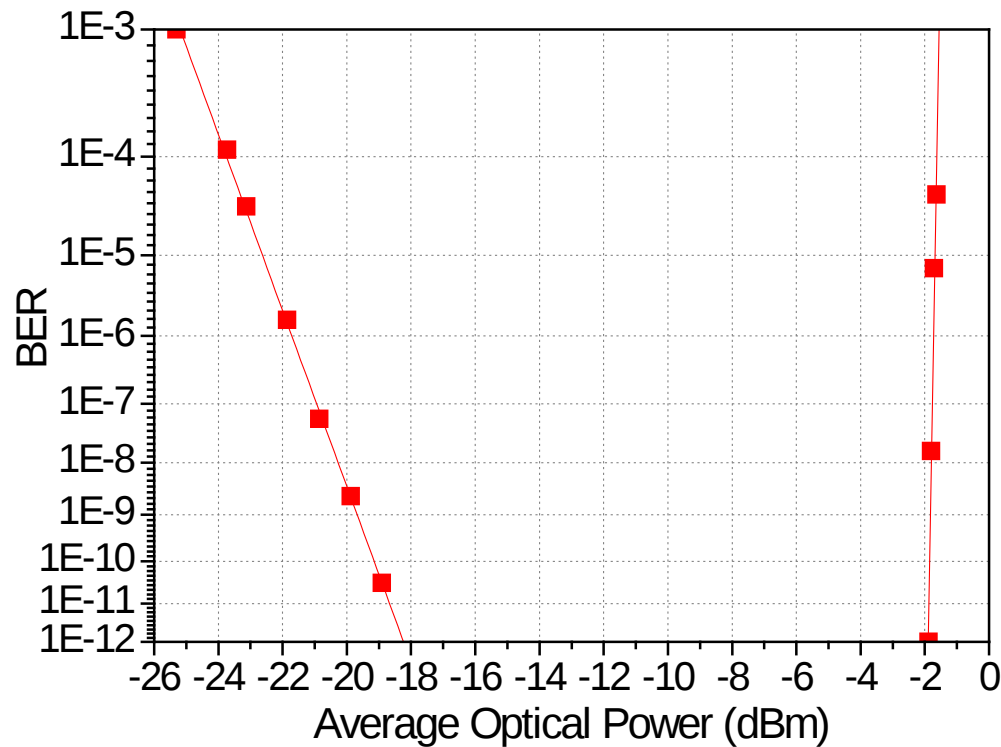
TO-can APD ROSA performance at different temperature



Test conditions: 1304nm, EML with ER=8.1dB, NRZ, PRBS=2³¹-1, 25.78Gb/s,



TO-can APD ROSA overload test and dynamic range



Overload tested with protection resistor = 7kOhm

Test conditions: 1300nm, DML with ER=4.3dB, NRZ, PRBS=2³¹-1, 25.78Gb/s,