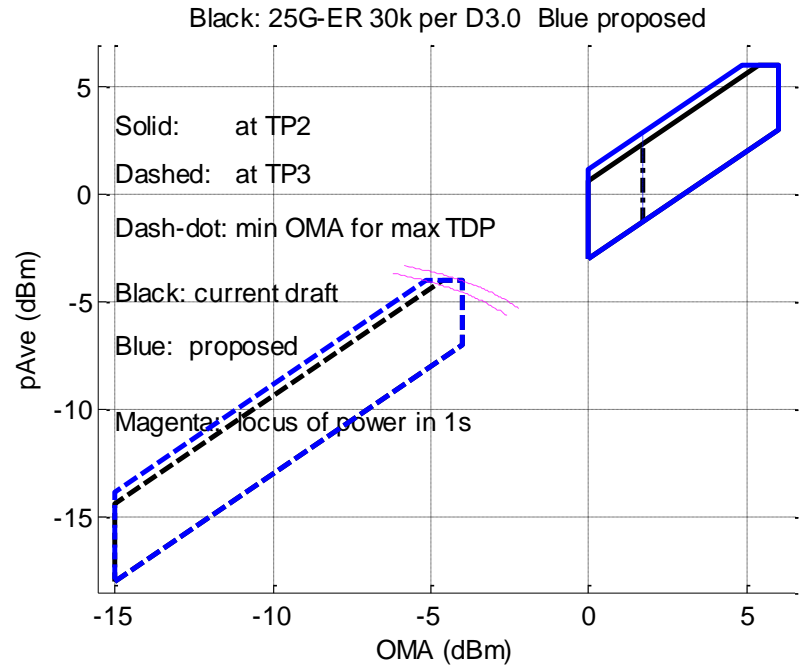
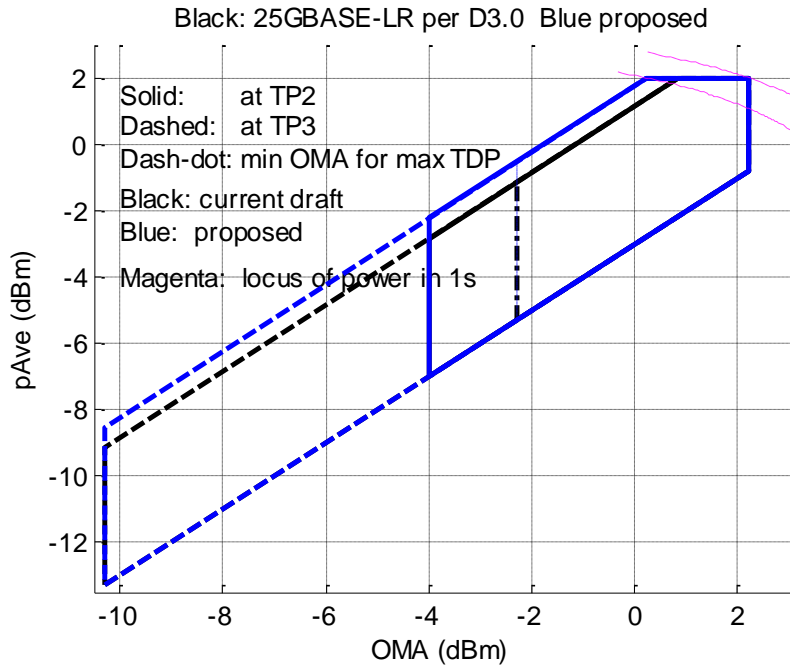


Improved extinction ratio limits

Piers Dawe

Mellanox Technologies

Proposed improved extinction ratio limits



- Allowing better and/or lower cost direct-modulated transmitters
- Change LR limit from 3.5 dB to 3 dB
- Change ER limit from 4 dB to 3.5 dB

Any consequences for the budget?

	10G-LR	10G-ER	25G-LR	25G-ER	25G-LR	25G-ER	
			D3.0	D3.0	Proposed	Proposed	
Max loss	6.2	11	6.3	18	6.3	18	
Min loss	0	5	0	10	0	10	
Tx reflectance	-12	-	-12	-12	-12	-12	
Rx reflectance	-12	-26	-26	-26	-26	-26	
TDP	3.2	3.0	2.7	2.7	2.7	2.7	
Ext R	3.5	3.0	3.5	4	3	3.5	
Reflection noise	0.43	0.05	0.07?	<0.05?	0.1?	<0.05?	From 10G spreadsheet, max loss, no connectors?
MPI penalty							With connectors

Preliminary