

Optical Sub-Task Force budgets

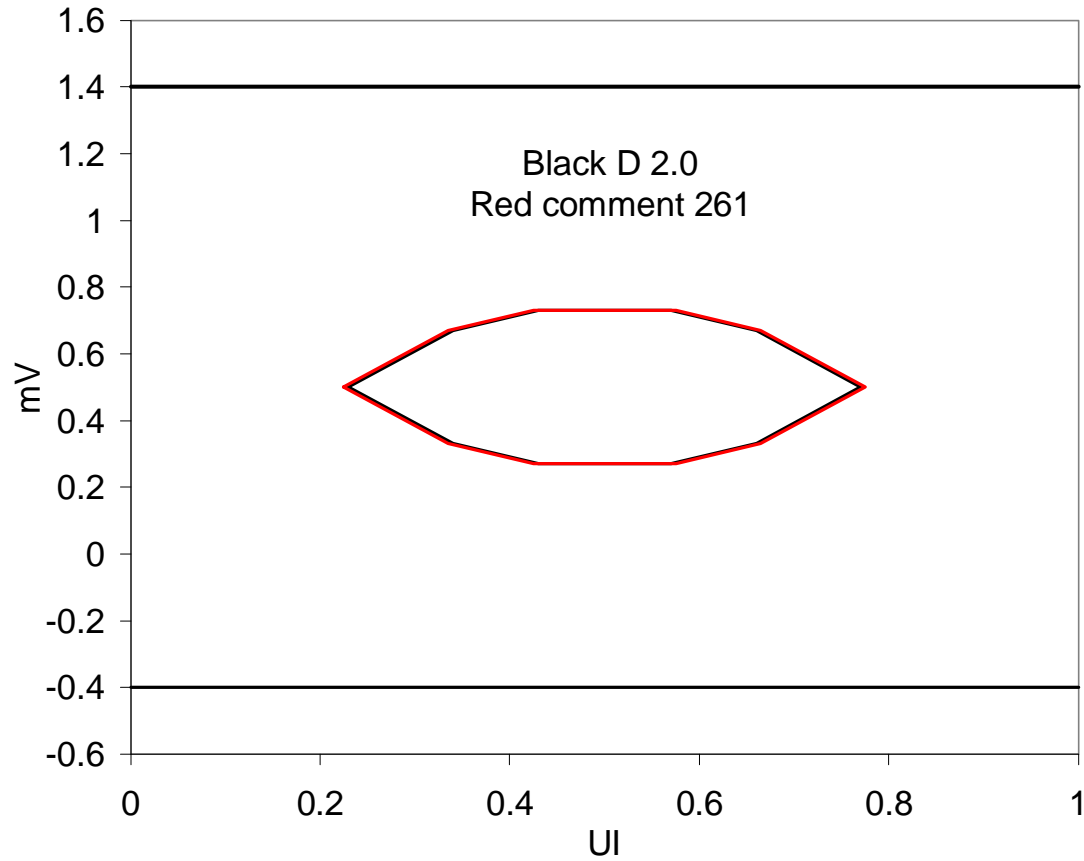
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Optical Tx proposals for 40/100GBASE-SR

	D 2.0	259, 260, 261	Resolution
Table 86-8			
Ave launch power, each lane max dBm	1	1	
Ave launch power, each lane min dBm	-8	-7	
OMA each lane max dBm	3	3	
OMA each lane min dBm	-6	-5	
Peak power each lane max dBm	4	4	
OMA –TDP each lane min dBm	-7	-7	
TDP each lane max dB	4	4	
Extinction ratio min dB	3	3	
Extinction ratio max dB	-	8	
Tx eye mask definition {X1, X2, X3,	0.23, 0.34, 0.43	0.225, 0.335 0.425	
Table 86-10			
Ave power at Rx input, each lane min dBm	-9.9	-9.4	
Stressed Rx sens OMA, each lane dBm	-5.4	-5.4	
Vertical eye closure penalty, each lane dB	2	2	
Stressed eye J9 Jitter, each lane UI	0.47	0.48	

Eye mask proposal for Table 86-8 Optical Tx



Optical channel proposals for 40/100GBASE-SR

	D 2.0	260, 259	Resolution
Table 86-18			
Channel insertion loss max dB	1.9	2.4	
86.10.2.2.1 connector and splice loss	1.5	2.0	
86.10.2.2.1 example connector loss	0.75	1.0	
Table 86-9			
Total ave power for 40GBASE-SR4 max dBm	+7	+7	
Total ave power for 40GBASE-SR4 min dBm	-3.9	-3.4	
Total ave power for 100GBASE-SR10 max dBm	+11	+11	
Total ave power for 100GBASE-SR10 min dBm	+0.1	+0.6	
Average power, each lane max dBm	+1	+1	
Average power, each lane min dBm	-9.9	-9.4	
OMA, each lane max dBm	+3	+3	
OMA, each lane min dBm	-7.9	-7.4	
Table 86-13			
Channel insertion loss dB	1.9	2.4	

Eye mask proposal for Table 86-6 PPI host Tx

