

Optical Sub-Task Force budgets

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Optical proposals for 40GBASE-LR4

| | | |
|--|-------|------|
| | D 2.1 | 71 |
| Table 87-7 | | |
| OMA each lane min dBm | -4 | -4 |
| OMA –TDP each lane min dBm | -4.8 | -4.8 |
| TDP each lane max dB | 2.3 | 2.3 |
| Table 87-8 | | |
| | | |
| Stressed Rx sens OMA, each lane dBm | -9.9 | -9.5 |
| Vertical eye closure penalty, each lane dB | 1.6 | 2.0 |
| Table 87-9 | | |
| Allocation for penalties (for max TDP) dB | 2.3 | 2.3 |

Optical proposals for 100GBASE-LR4

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|--|-------|------|
| | D 2.1 | 89 |
| Table 88-7 | | |
| OMA each lane min dBm | -1.3 | -1.3 |
| OMA –TDP each lane min dBm | -2.3 | -2.3 |
| TDP each lane max dB | 2.2 | 2.2 |
| Table 88-8 | | |
| | | |
| Stressed Rx sens OMA, each lane dBm | -6.8 | -6.8 |
| Vertical eye closure penalty, each lane dB | 1.8 | 2.2 |
| Table 88-9 | | |
| Allocation for penalties (for max TDP) dB | 2.2 | 2.2 |

Budget proposals for 40/100GBASE-SR

| | | |
|--|-------|----------|
| | D 2.1 | 149, 162 |
| Table 86-6 | | |
| Ave launch power, each lane max dBm | 1 | 2.4 |
| Ave launch power, each lane min dBm | -8 | -8 |
| OMA each lane max dBm | 3 | 3 |
| Table 86-7 | | |
| Total ave power for 40GBASE–SR4 max dBm | 7 | 8.4 |
| Total ave power for 40GBASE–SR10 max dBm | 11 | 12.4 |
| Average power, each lane dBm | 1 | 2.4 |
| Table 86-8 | | |
| Damage threshold min dBm | 2 | 3.4 |
| Ave power at Rx input, each lane max dBm | 1 | 2.4 |
| Vertical eye closure penalty, each lane dB | 2 | 1.9 |
| Tables 86A-3, 86A-4 | | |
| J9 Jitter UI | 0.63 | 0.62 |