











| | GPON | NGPON2 XGS-PON | udWDM | |
|---|----------|---------------------------|---------------|--------|
| P _{ch} for PB > 37dB 40km | 9 | 9 | -3 | dBm |
| Max. number of wavelenghts ch. for P _{tot} <21 dBm (safety limit) | 16 (1) | 16 (8) | 256 | |
| Wav. ch. BW | 2.5 | 10 | 2.5 | GBit/s |
| Aggregate BW | 40 (2.5) | 160 (80) | 640 | GBit/s |
| Wav. ch. spacing | 50 | 100 | 6.25 | GHz |
| Optical BW | 6.4 | 12.8 | 14.1 | nm |
| ONU consumption | 2.7 | 15.2 | 6.2 | w |
| OLT TX | DFB | DBR/DFB +MZM | DFB | 1 |
| ΟΝU ΤΧ | DFB | EML DFB+filtering * | Random DFB | |



























































