

Downstream Power Budget (S-FEC)

Budget	PR10-D	PR20-D	PR30-D
Wavelength (nm)	15xx	15xx	1577
OLT Tx max (dBm)	+5	+10	+6
OLT Tx min (dBm)	+2	+6	+3
OLT Tx Technology	EML	EML+SOA	EML
Extinction Ratio	9	9	9
Max Channel Loss (dB)	20	24	29
Penalty (dB)	1	1	1
ONU Sensitivity (dBm)	-19	-19	-27
ONU Rx Technology	PIN w/ S-FEC	PIN w/ S-FEC	APD w/ S-FEC
Min Channel Loss (dB)	5	10	15
ONU Rx Overload (dBm)	0	0	-9

Upstream Power Budget (S-FEC)

Budget	PR10-U	PR20-U	PR30-U
Wavelength (nm)	1270nm	1270nm	1270nm
ONU Tx max (dBm)	+4	+5	+10
ONU Tx min (dBm)	-1	0	+5
ONU Tx Technology	DML	DML	Hi DML
Extinction Ratio	6	6	6
Max Channel Loss (dB)	20	24	29
Penalty (dB)	1	1	1
OLT Sensitivity (dBm)	-22	-25	-25
OLT Rx Technology	APD w/ S-FEC	APD w/ S-FEC	APD w/ S-FEC
Min Channel Loss (dB)	5	10	15
OLT Rx Overload (dBm)	-1	-5	-5