

List of Tables

2.1	NG-PON2 splitting ratio options	9
2.2	Wavelength bands defined by IT for NG-PON2 based in WDM	12
2.3	WDM-PON Downstream and Upstream Channel Grid Examples	12
2.4	Typical Properties Of Some Commercially Available Transmission fibres at 1550 nm [1]	21
2.5	Transmission Distances Of An NRZ Signal For 1-dB Eye-Closure Penalty Due To Dispersion [1]	21
3.1	Device and component parameters	24
3.2	Attenuation fibre coefficient α in deployment environment	27
3.3	Reflectance and insertion losses due to splices, & connectors	28
3.4	Reference values of wavelength	28
3.5	Reference values for dispersion coefficient and dispersion slope	28
3.6	Typical values for Uniformity parameter for Power splitters	29
3.7	PDL values for power splitter	29
3.8	Insertion losses for power splitter	30
3.9	Typical values of Optical tunable filters	30
4.1	Comparison of Power Receive	41
4.2	Comparison of Q-Factor	41
4.3	Proposed operating parameters for a thermal AWG model	43
4.4	Power to temperature changes	45