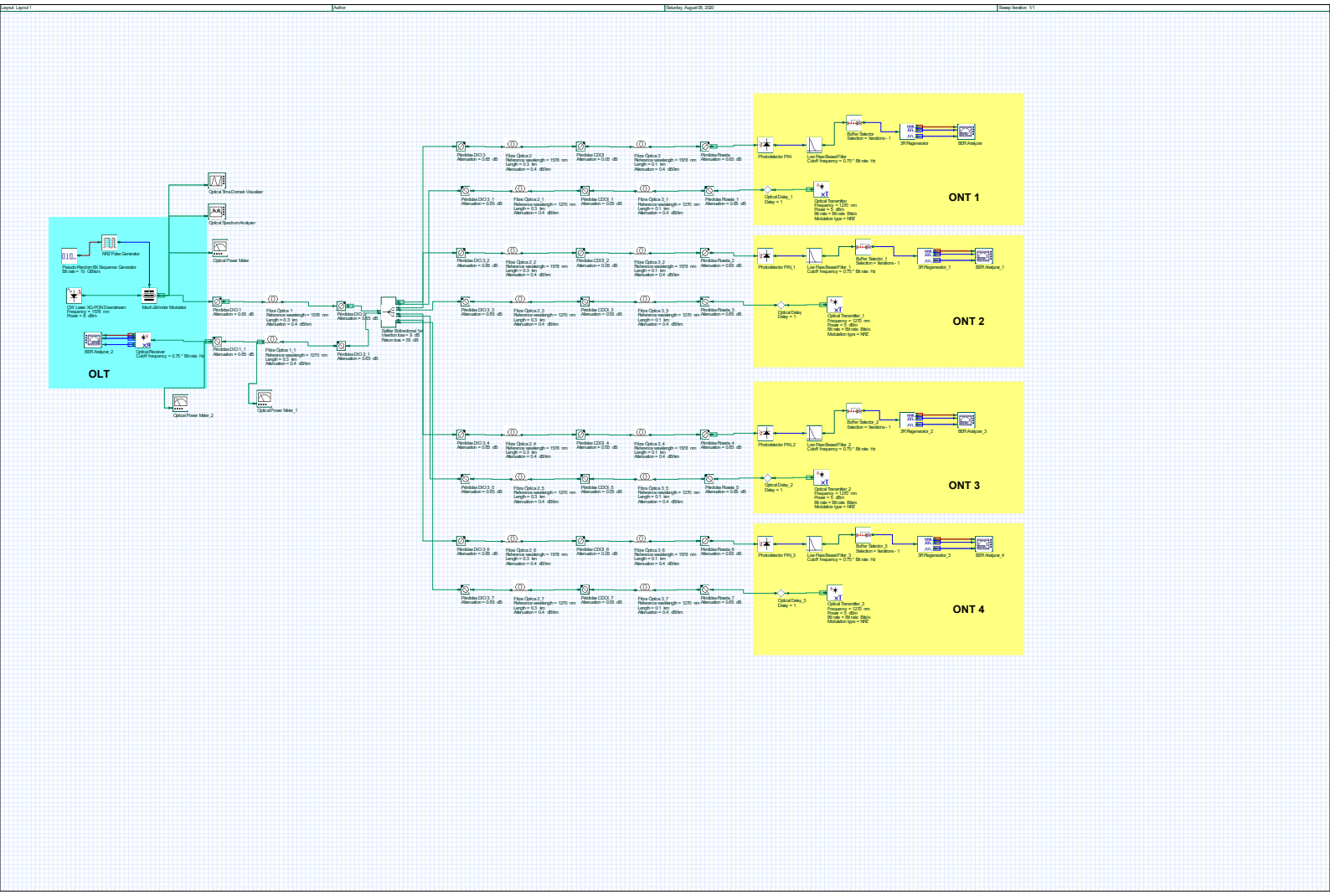
Layout: Layout 1
Author:
Saturday, August 08, 2020
Sweep Iteration: 1/1
OLT
ONT 1
ONT 2
ONT 3
ONT 4
Optical TimeDomain Visualizer
Optical SpectrumAnalyzer
Optical Power Meter
NRZ Pulse Generator
Pseudo-Random Bit Sequence Generator
Bit rate = 10 Gbit/s
CW Laser XG-PON Downstream
Frequency = 1575 nm
Power = 5 dBm
Mach-Zehnder Modulator
BER Analyzer_2
Optical Receiver
Cutoff Frequency = 0.75 * Bit rate Hz
Optical Power Meter_2
Optical Power Meter_1
Photodetector PIN
Low Pass Bessel Filter
Cutoff frequency = 0.75 * Bit rate Hz
3R Regenerator
BER Analyzer
Optical Delay_1
Delay = 1
Optical Transmitter
Frequency = 1270 nm
Power = 5 dBm
Bit rate = Bit rate Bits/s
Modulation type = NRZ
Photodetector PIN_1
Buffer Selector
Selection = Iterations - 1
Buffer Selector_1
3R Regenerator_1
BER Analyzer_1
Optical Delay
Optical Transmitter_1
Photodetector PIN_2
Buffer Selector_2
Low Pass Bessel Filter_2
3R Regenerator_2
BER Analyzer_3
Optical Delay_2
Optical Transmitter_2
Photodetector PIN_3
Low Pass Bessel Filter_3
Buffer Selector_3
3R Regenerator_3
BER Analyzer_4
Optical Delay_3
Optical Transmitter_3