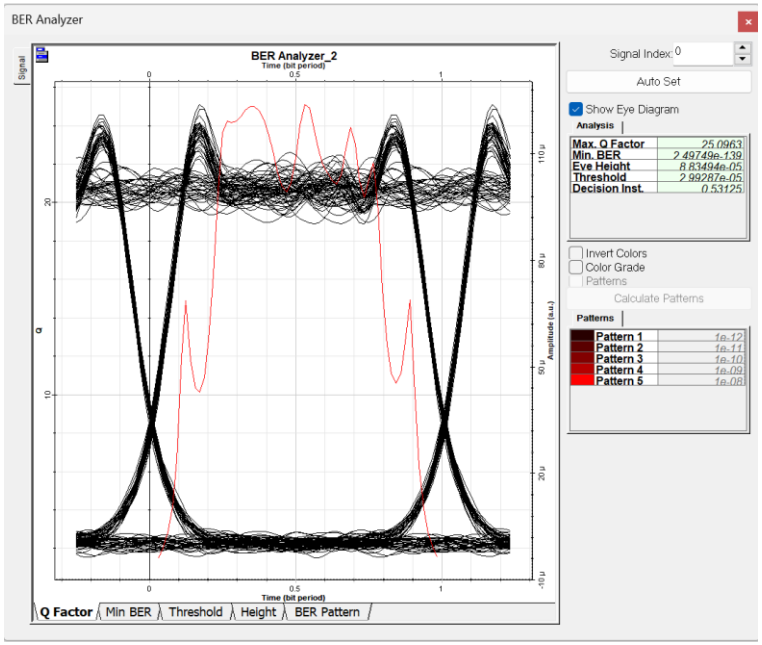
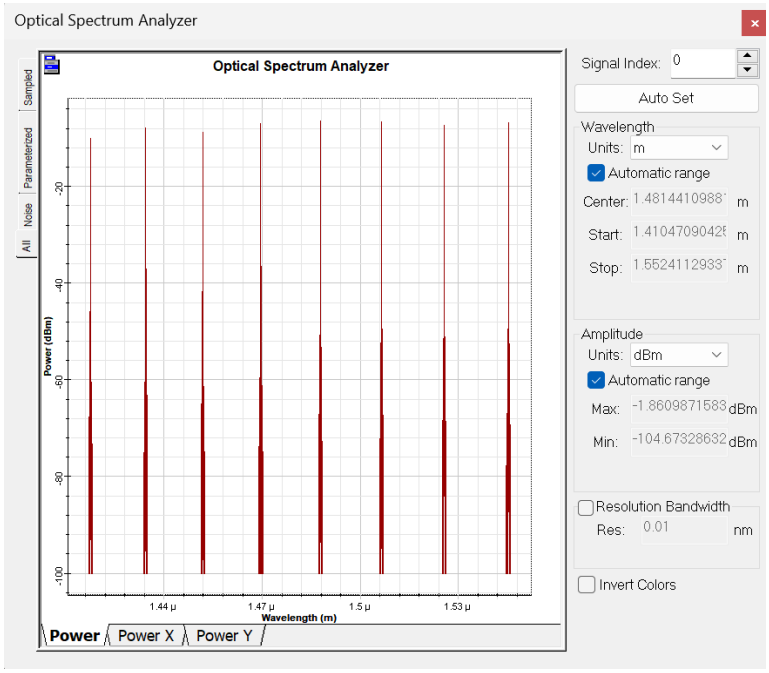
CWDM:

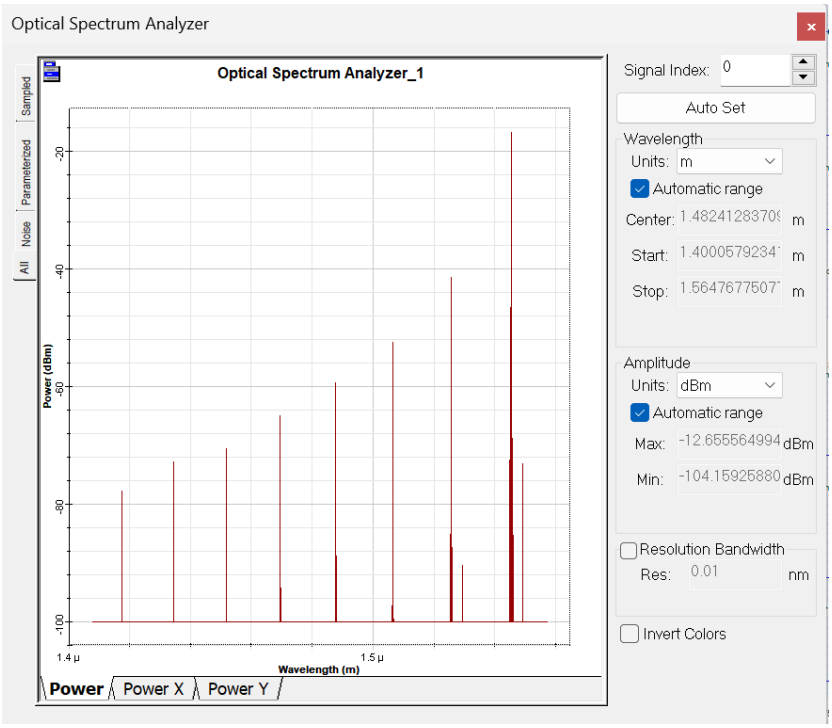
2.5, 1THz



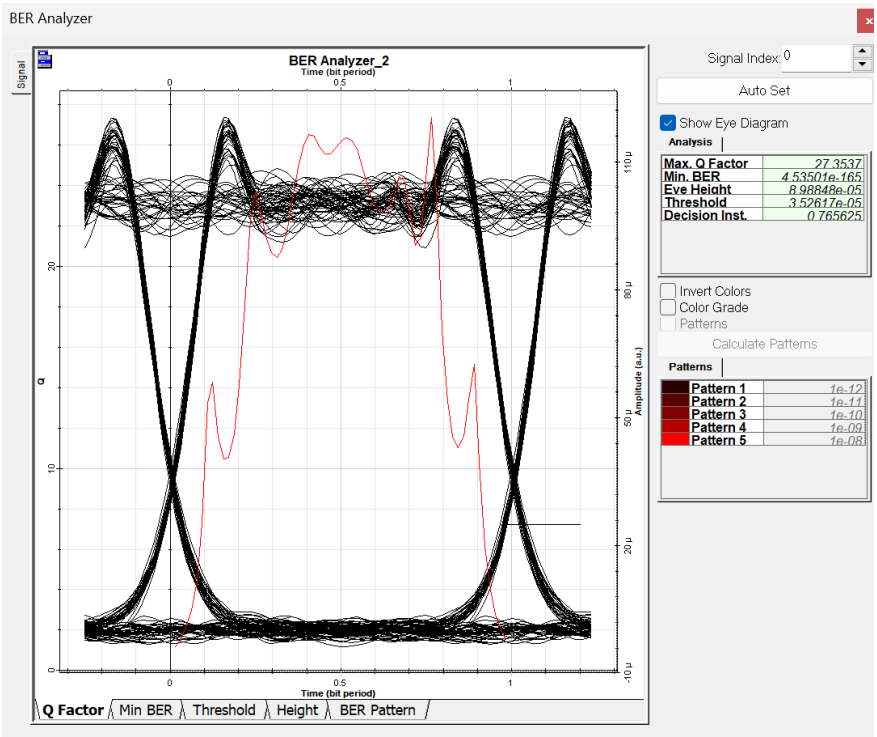
Mux spectrum

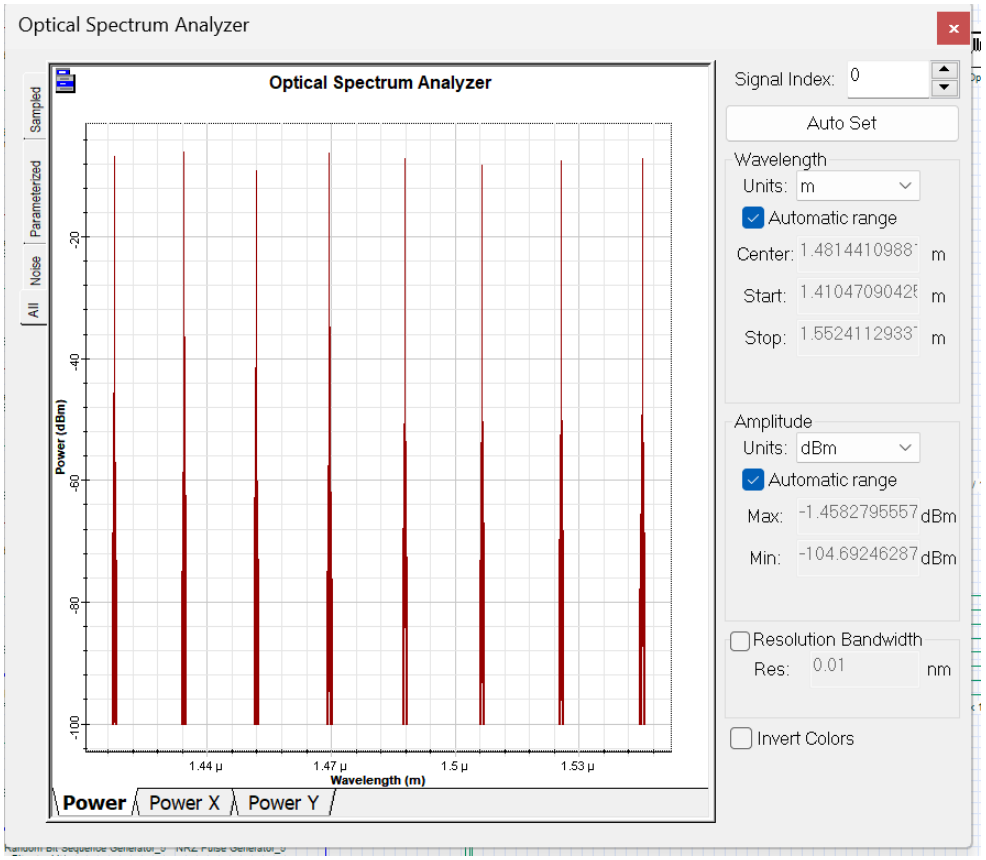


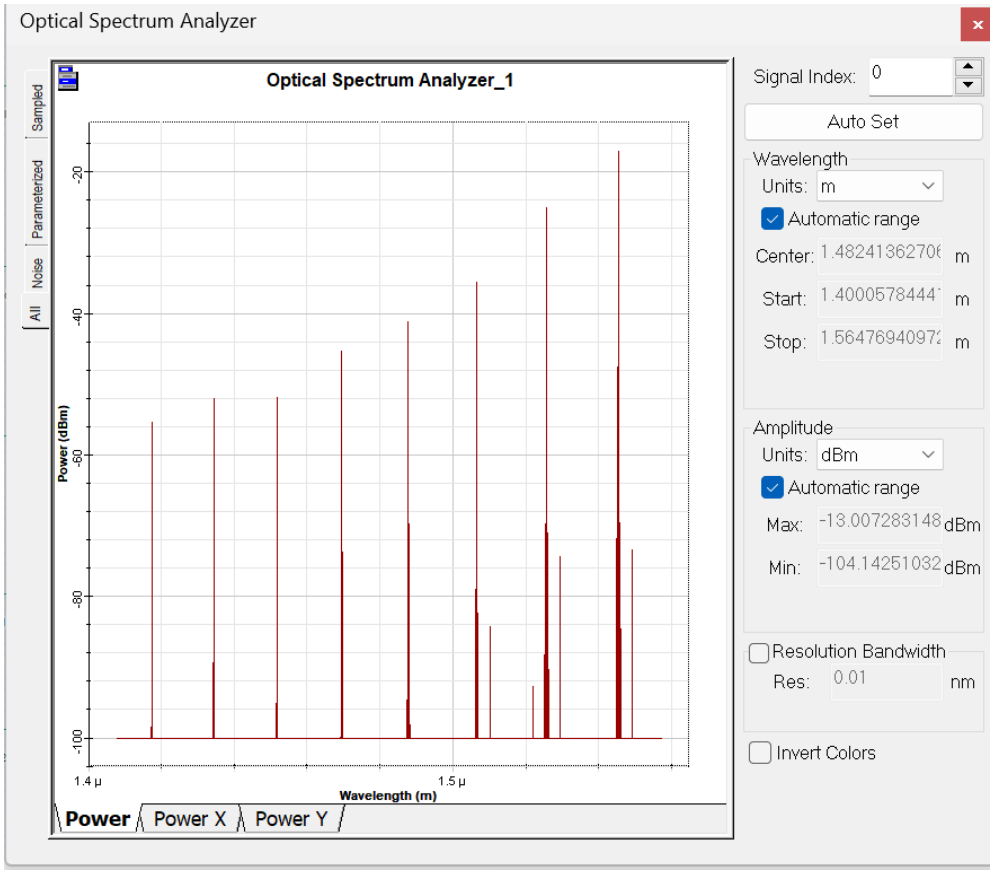
Demux spectrum



2.5, 3Thz:

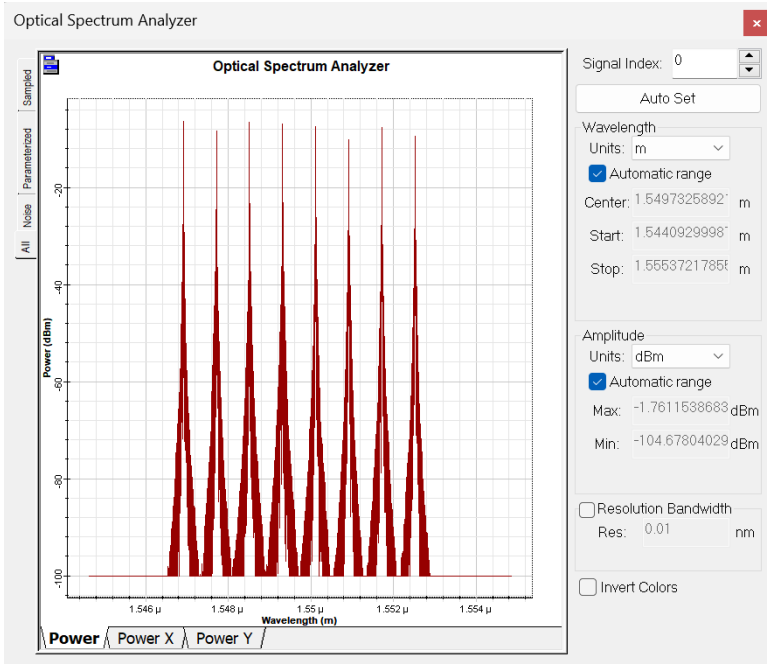


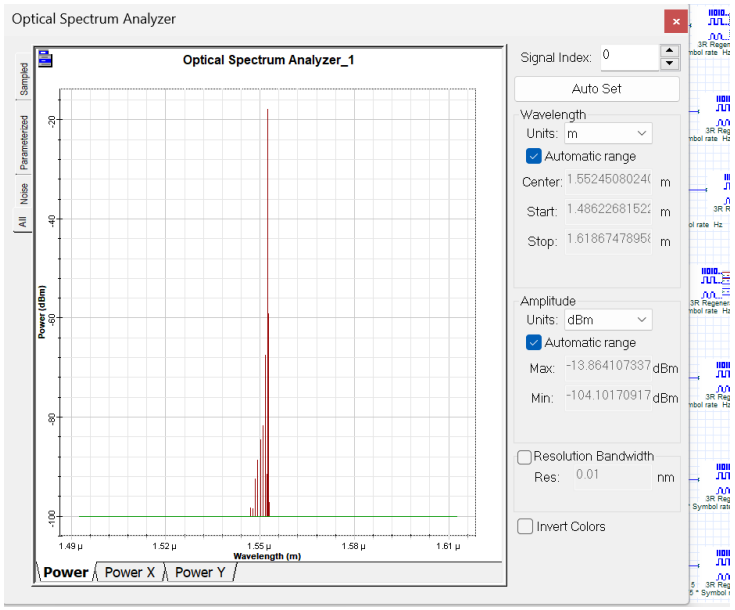

Optical Spectrum Analyzer
Optical Spectrum Analyzer
Sampled
Parameterized
Noise
All
Power (dBm)
-20
-40
-60
-80
-100
1.44 µ
1.47 µ
1.5 µ
1.53 µ
Wavelength (m)
Power
Power X
Power Y
Signal Index: 0
Auto Set
Wavelength
Units: m
Automatic range
Center: 1.4814410988 m
Start: 1.4104709042 m
Stop: 1.5524112933 m
Amplitude
Units: dBm
Automatic range
Max: -1.4582795557 dBm
Min: -104.69246287 dBm
Resolution Bandwidth
Res: 0.01 nm
Invert Colors


Optical Spectrum Analyzer
Optical Spectrum Analyzer_1
Sampled
Parameterized
Noise
All
Power (dBm)
-20
-40
-60
-80
-100
1.4 µ
1.5 µ
Wavelength (m)
Power
Power X
Power Y
Signal Index: 0
Auto Set
Wavelength
Units: m
Automatic range
Center: 1.4824136270 m
Start: 1.4000578444 m
Stop: 1.5647694097 m
Amplitude
Units: dBm
Automatic range
Max: -13.007283148 dBm
Min: -104.14251032 dBm
Resolution Bandwidth
Res: 0.01 nm
Invert Colors

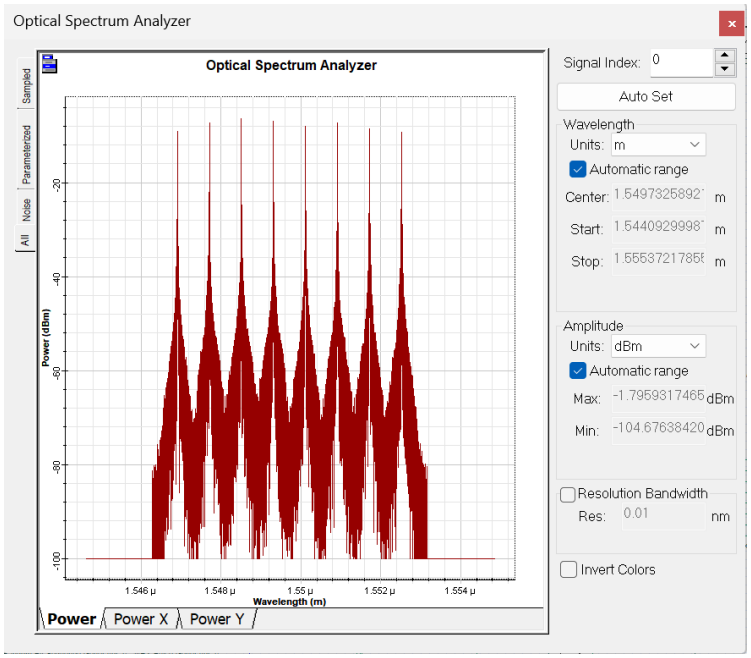
DWDM:

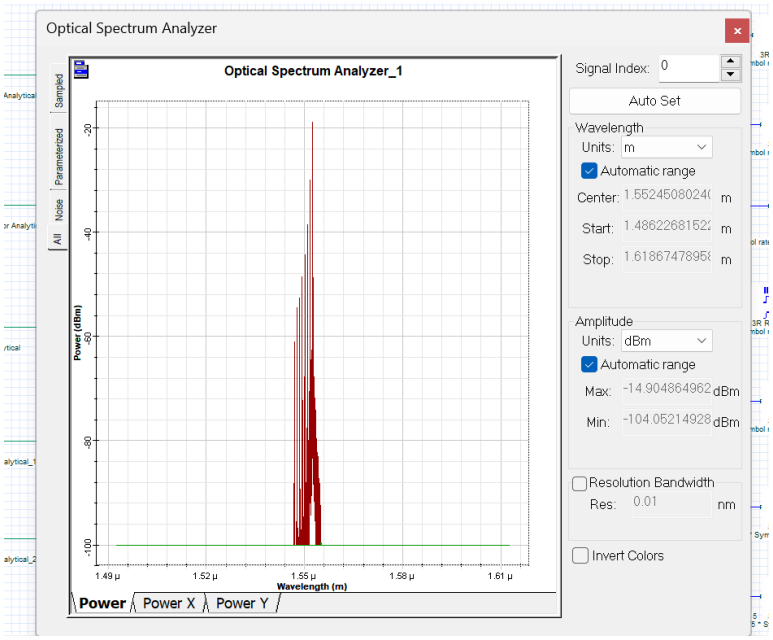
Case 1: Channel Spacing > User Bandwidth Optical Spectrum at transmitter Side (Multiplexed Spectrum): Channel Spacing : 100 GHz User Bandwidth: 10 GHz

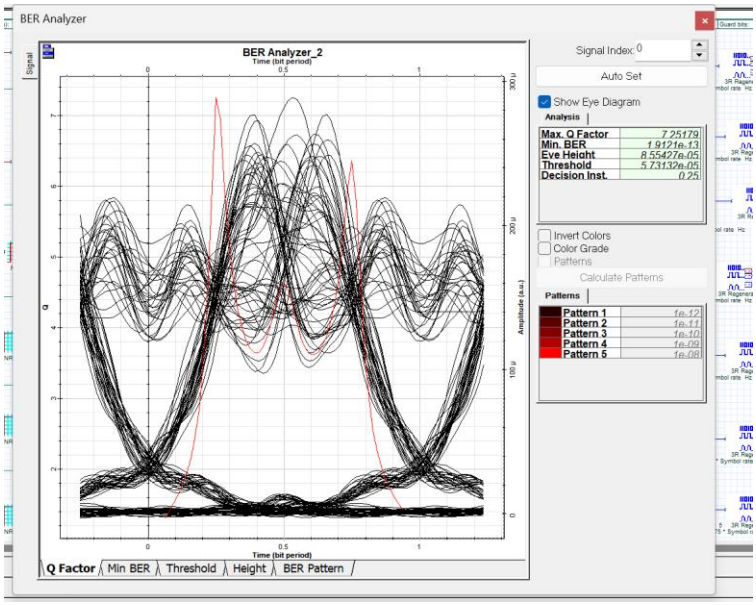




Case 2: Channel Spacing > User Bandwidth Optical Spectrum at transmitter Side (Multiplexed Spectrum): Channel Spacing : 100 GHz User Bandwidth: 100 GHz






BER Analyzer
BER Analyzer_2
Time (bit period)
Signal
Q
Amplitude (a.u.)
Time (bit period)
Signal Index: 0
Auto Set
Show Eye Diagram
Analysis
Max. Q Factor 7.25179
Min. BER 1.912 1e-13
Eye Height 8.55427e-05
Threshold 5.73132e-05
Decision Inst. 0.25
Invert Colors
Color Grade
Patterns
Calculate Patterns
Patterns
Pattern 1 1e-12
Pattern 2 1e-11
Pattern 3 1e-10
Pattern 4 1e-09
Pattern 5 1e-08
Q Factor
Min BER
Threshold
Height
BER Pattern