

| Length of Fiber (Km) | Signal | Noise | SNR (dB) | Smoothed Y1 | Signal | Noise | SNR (dB) | Smoothed Y3 | Signal | Noise | SNR (dB) | Smoothed Y4 | Signal | Noise | SNR (dB) | Smoothed Y2 |
|-----------------------|-------------|-----------|----------|-------------|-----------------|-----------|----------|-------------|-------------|----------------------|----------|-------------|-------------|-----------|-----------------|-------------|
| 3 pulse DCF+EDFA+SMF | | | | | 2 pulse DCF+SMF | | | | | 2 pulse DCF+EDFA+SMF | | | | | 3 Pulse DCF+SMF | |
| 10*log(col(B)/col(C)) | | | | | | | | | | | | | | | | |
| 10 | 2.7737E-10 | 3.196E-15 | 49.38453 | 51.01095 | 1.6948E-11 | 3.244E-15 | 37.18038 | 38.04298 | 1.033E-8 | 7.13332E-10 | 11.60809 | 12.43222 | 6.17855E-10 | 6.336E-15 | 49.89071 | 50.25469 |
| 20 | 2.60358E-10 | 3.185E-15 | 49.12461 | 47.37473 | 1.4485E-11 | 3.244E-15 | 36.49838 | 33.90289 | 4.235E-9 | 2.87769E-10 | 11.64974 | 11.67809 | 2.75636E-10 | 6.415E-15 | 46.33139 | 46.17364 |
| 30 | 7.2904E-11 | 3.209E-15 | 43.56382 | 43.89306 | 1.62E-12 | 3.244E-15 | 26.98434 | 30.18949 | 1.693E-9 | 1.16E-10 | 11.64199 | 10.86509 | 1.08997E-10 | 6.49E-15 | 42.2517 | 42.24019 |
| 40 | 5.1761E-11 | 3.234E-15 | 42.04263 | 40.56595 | 2.535E-12 | 3.244E-15 | 28.92897 | 26.9028 | 6.73993E-10 | 4.4724E-11 | 11.78115 | 10.07828 | 4.695E-11 | 6.301E-15 | 38.72226 | 38.45434 |
| 50 | 1.7259E-11 | 3.181E-15 | 37.34452 | 37.39341 | 8.09309E-13 | 3.244E-15 | 23.97034 | 24.04281 | 2.69734E-10 | 3.5E-11 | 8.86868 | 9.2893 | 1.9311E-11 | 6.277E-15 | 34.88053 | 34.81608 |
| 60 | 6.878E-12 | 3.181E-15 | 33.34899 | 34.37542 | 3.52187E-13 | 3.244E-15 | 20.35692 | 21.60952 | 1.52894E-10 | 2.604E-11 | 7.68749 | 8.06531 | 1.0536E-11 | 6.437E-15 | 32.13992 | 31.32543 |
| 70 | 6.135E-12 | 3.189E-15 | 32.8416 | 31.51199 | 4.06194E-13 | 3.244E-15 | 20.97653 | 19.60293 | 4.459E-11 | 1.0078E-11 | 6.45863 | 7.0799 | 3.682E-12 | 6.484E-15 | 27.54241 | 27.98238 |
| 80 | 1.258E-12 | 3.186E-15 | 25.96435 | 28.80313 | 1.87098E-13 | 3.244E-15 | 17.60988 | 18.02304 | 1.896E-11 | 4.021E-12 | 6.73504 | 6.76129 | 1.707E-12 | 6.329E-15 | 24.30898 | 24.78692 |
| 90 | 1.315E-12 | 3.164E-15 | 26.18689 | 26.24882 | 1.308E-13 | 3.244E-15 | 16.05527 | 16.86985 | 8.259E-12 | 1.618E-12 | 7.07949 | 6.84897 | 8.77011E-13 | 6.277E-15 | 21.45253 | 21.73907 |
| 100 | 1.1E-12 | 3.166E-15 | 25.40882 | 23.84908 | 1.60358E-13 | 3.244E-15 | 16.9401 | 16.14336 | 3.643E-12 | 6.50372E-13 | 7.48297 | 7.34292 | 4.44466E-13 | 6.426E-15 | 18.39898 | 18.83882 |