

Length of Fiber (Km)	signal	noise	SNR (dB)	Smoothed Y2	signal	noise	SNR (dB)	Smoothed Y1	signal	noise	SNR (dB)	signal	noise	SNR (dB)		
	3 pulse DCF+SMF+DCF				3 pulse DCF+SMF+DCF				3 pulse DCF+SMF+DCF+EDFA				3 pulse DCF+SMF+DCF+EDFA			
	10*log(col(B)/col(C))								10*log(col(E)/col(F))							
10	6.9792E-11	3.17E-15	43.42746	44.19954	1.824E-10	3.196E-15	47.56418	46.9196	9.21039E-10	6.289E-15	51.65696	9.30104E-10	6.269E-15	51.71333		
20	5.7183E-11	3.192E-15	42.53204	41.53594	8.9297E-11	3.185E-15	44.47727	43.31756	2.6041E-11	6.4E-15	36.09478	2.4145E-11	6.469E-15	35.7199		
30	3.0053E-11	3.222E-15	39.69762	39.00958	2.2466E-11	3.216E-15	38.4421	40.0329	9.79047E-13	6.459E-15	21.80638	9.9252E-13	6.223E-15	22.02739		
40	1.0891E-11	3.178E-15	35.34914	36.62045	1.233E-11	3.181E-15	35.88399	37.06564	1.47396E-13	6.336E-15	13.66671	1.48723E-13	6.256E-15	13.76081		
50	7.421E-12	3.235E-15	33.60588	34.36856	8.91E-12	3.153E-15	34.51154	34.41577	1.08536E-13	6.223E-15	12.41574	1.08229E-13	6.334E-15	12.32666		
60	7.403E-12	3.178E-15	33.67254	32.2539	3.975E-12	3.225E-15	30.90807	32.0833	9.5012E-14	6.407E-15	11.71124	9.9365E-14	6.415E-15	11.90037		
70	5.181E-12	3.203E-15	32.08857	30.27648	3.709E-12	3.19E-15	30.65466	30.06821	9.023E-14	6.556E-15	11.38712	9.8348E-14	6.112E-15	12.06582		
80	1.272E-12	3.205E-15	25.98659	28.43629	3.214E-12	3.216E-15	29.9973	28.37053	9.023E-14	6.336E-15	11.53536	9.9605E-14	6.107E-15	12.12453		
90	1.525E-12	3.201E-15	26.77984	26.73334	1.795E-12	3.186E-15	27.50819	26.99023	9.023E-14	6.323E-15	11.54428	9.2032E-14	6.256E-15	11.67642		
100	9.68669E-13	3.201E-15	24.8089	25.16762	1.625E-12	3.182E-15	27.08153	25.92733	9.023E-14	6.33E-15	11.53947	9.0223E-14	6.269E-15	11.58119		
110	8.80057E-13	3.201E-15	24.39225	23.73914	7.01922E-13	3.25E-15	23.34405	25.18182	9.023E-14	6.34E-15	11.53262	9.0256E-14	6.237E-15	11.605		