

Length of Fiber (Km)	Signal	Noise	SNR (dB)	Smoothed Y1	signal	noise	SNR (dB)	Smoothed Y2	Signal	Noise	SNR (dB)	Smoothed Y3	Signal	Noise	SNR (dB)	Smoothed Y4
			3 pulse SMF+EDFA+DCF	3 pulse SMF+EDFA			3 pulse SMF+DCF	3 pulse SMF+DCF				2 pulse SMF+DCF	2 pulse SMF+DCF		2 pulse SMF+EDFA+DCF	2 pulse SMF+EDFA+DCF
			10*log(col(B)/col(C))				10*log(col(K)/col(L))					10*log(col(E)/col(F))			10*log(col(H)/col(I))	
10	8.02303E-10	3.14E-15	54.07409	51.60095	6.79863E-10	6.411E-15	50.25496	50.11184	4.0242E-11	3.148E-15	41.06645	41.80288	1.0186E-8	1.63747E-10	17.9383	18.90528
20	7.7728E-11	3.207E-15	43.84479	47.38204	2.58351E-10	6.294E-15	46.13283	46.07157	2.4011E-11	3.169E-15	38.79488	36.75319	4.131E-9	1.05206E-10	15.94015	15.8606
30	7.2728E-11	3.203E-15	43.56145	43.7333	9.6118E-11	6.55E-15	41.66563	42.15897	3.091E-12	3.17E-15	29.8904	32.27876	1.716E-9	7.0013E-11	13.89339	12.70181
40	3.5317E-11	3.205E-15	40.42156	40.65472	4.4799E-11	6.358E-15	38.47948	38.37404	3.05E-12	3.177E-15	29.82283	28.37959	6.6396E-10	4.5382E-11	11.65258	9.4289
50	2.9059E-11	3.129E-15	39.67875	38.14632	1.8554E-11	6.405E-15	34.61918	34.7168	1.077E-12	3.2E-15	25.27066	25.05568	2.73029E-10	1.14733E-10	3.7652	6.04187
60	1.4438E-11	3.159E-15	36.59957	37.09283	9.896E-12	6.5E-15	31.82546	31.18868	4.509E-13	3.25E-15	21.42197	22.15721	1.50304E-10	8.5321E-11	2.45915	2.12317
70	8.805E-12	3.186E-15	34.41484	35.33865	3.67E-12	6.514E-15	27.50818	27.82236	3.7458E-13	3.235E-15	20.6367	20.45391	4.2079E-11	6.4805E-11	-1.87543	-1.93942
80	9.634E-12	3.219E-15	34.76086	34.07758	1.746E-12	6.339E-15	24.40023	24.5415	2.03502E-13	3.197E-15	18.03826	18.34881	1.859E-11	5.7974E-11	-4.93954	-5.42684
90	6.513E-12	3.215E-15	33.066	32.97077	8.79919E-13	6.381E-15	21.39554	21.52867	1.94894E-13	3.222E-15	17.81673	17.24933	8.366E-12	5.1352E-11	-7.8804	-7.71128
100	5.319E-12	3.207E-15	32.19731	32.43253	4.9E-13	6.49E-15	18.77951	18.60543	1.39637E-13	3.2E-15	16.39851	16.44701	3.652E-12	4.6517E-11	-11.05081	-10.075
110	4.463E-12	3.225E-15	31.41097	31.92383	2.72E-13	6.298E-15	16.35366	16.10779	1.09397E-13	3.156E-15	15.39868	15.6584	3.02E-12	4.2154E-11	-11.44832	-11.4136
120	4.13E-12	3.23E-15	31.06748	30.69144	1.5E-13	6.207E-15	13.8321	13.95663	1.076E-13	3.212E-15	15.25037	15.07917	2.66E-12	4.2154E-11	-11.99957	-12.82811
130	3.29E-12	3.23E-15	30.07993	29.2056	8.907E-14	6.153E-15	11.60645	12.10372	1.01313E-13	3.229E-15	14.96597	14.7251	1.97E-12	4.2154E-11	-13.30373	-13.89901
140	2.109E-12	3.23E-15	28.14874	27.46629	6.736E-14	6.108E-15	10.42503	10.54906	9.5194E-14	3.225E-15	14.7008	14.59622	1.693E-12	4.2154E-11	-13.96182	-14.6263
150	9.2397E-13	3.23E-15	24.56455	25.47352	5.583E-14	6.098E-15	9.6168	9.29265	9.0228E-14	3.22E-15	14.47485	14.69251	1.07E-12	4.2154E-11	-15.95455	-15.00999