

Length of Optical Fibe	Signal Power (Noise Power (SNR	SNR (dB)	Signal power	Noise power	SNR	SNR (dB)	Smoothed	P_in	P_out	Key Rate	P_in	P_out	Key Rate	Smoothed Y2
	2 pulse	2 Pulse	2 pulse	2 pulse	3 Pulse	3 Pulse	3 pulse	3 pulse	3 Pulse SNR	2 pulse	2 pulse	2 pulse	3 pulse	3 pulse	3 pulse	3 Pulse Key rate
			col(B)/col(C)	10*log(col(B)/col(C))			col(F)/col(G)	10*log(col(F)/col(G))				2E-8 + 10E-27+ 1 - exp(-(col(L)/col(K))*0.5)			2E-8 + 10E-27 + 1 - exp(-(col(O)/col(N))*0.5)	
0	3.511E-8	6.408E-15	5.47909E6	67.38708	3.68854E-10	3.218E-15	114622.12554	50.59268	48.65378	3.511E-8	3.511E-8	0.39347	3.68854E-10	3.68854E-10	0.39347	0.39347
5	2.2613E-8	6.369E-15	3.55048E6	65.50287	1E-10	3.225E-15	31007.75194	44.9147	46.71728	3.511E-8	2.2613E-8	0.27532	3.68854E-10	1E-10	0.12677	0.20299
10	1.3914E-8	6.357E-15	2.18877E6	63.402	4.0012E-11	3.197E-15	12515.48327	40.97448	44.30205	3.511E-8	1.3914E-8	0.17975	3.68854E-10	4.0012E-11	0.05279	0.08872
20	5.54E-9	6.346E-15	872990.86038	59.4101	8.1647E-11	3.232E-15	25262.06683	44.02469	41.40808	3.511E-8	5.54E-9	0.07586	3.68854E-10	3.1647E-11	0.04199	0.04627
30	2.253E-9	6.378E-15	353245.53151	55.48077	2.5702E-11	3.167E-15	8115.56678	39.09319	38.55733	3.511E-8	2.253E-9	0.03158	3.68854E-10	2.5702E-11	0.03424	0.03018
40	8.83296E-10	6.472E-15	136479.60445	51.35068	9.948E-12	3.213E-15	3096.1718	34.90825	35.05559	3.511E-8	8.83296E-10	0.0125	3.68854E-10	9.948E-12	0.01339	0.01717
50	3.58562E-10	6.334E-15	56609.09378	47.52886	2.324E-12	3.174E-15	732.19912	28.64629	30.5881	3.511E-8	3.58562E-10	0.00509	3.68854E-10	2.324E-12	0.00315	0.00747
60	1.44656E-10	6.363E-15	22733.93054	43.56675	2.14E-12	3.173E-15	674.44059	28.28944	26.99188	3.511E-8	1.44656E-10	0.00206	3.68854E-10	2.14E-12	0.0029	0.00307
70	5.7268E-11	6.437E-15	8896.69101	39.49229	9.65367E-13	3.189E-15	302.71778	24.81038	24.18599	3.511E-8	5.7268E-11	8.15239E-4	3.68854E-10	9.65367E-13	0.00131	0.00156
80	2.37E-11	6.44E-15	3680.12422	35.65862	3.60498E-13	3.205E-15	112.47988	20.51075	21.78945	3.511E-8	2.37E-11	3.37474E-4	3.68854E-10	3.60498E-13	4.88574E-4	8.14584E-4
90	9.59E-12	6.501E-15	1475.15767	31.68838	3.20266E-13	3.2E-15	100.08312	20.00361	19.29704	3.511E-8	9.59E-12	1.36581E-4	3.68854E-10	3.20266E-13	4.34062E-4	4.40665E-4
100	4.193E-12	6.488E-15	646.27004	28.10414	1.75495E-13	3.23E-15	54.33282	17.35062	17.74752	3.511E-8	4.193E-12	5.97305E-5	3.68854E-10	1.75495E-13	2.37884E-4	2.96792E-4
110	1.846E-12	6.526E-15	282.86853	24.51585	1.71641E-13	3.23E-15	53.13963	17.25419	16.60436	3.511E-8	1.846E-12	2.63085E-5	3.68854E-10	1.71641E-13	2.32661E-4	2.25693E-4
120	8.74955E-13	6.528E-15	134.0311	21.27206	1.22385E-13	3.23E-15	37.89009	15.78526	15.98031	3.511E-8	8.74955E-13	1.24801E-5	3.68854E-10	1.22385E-13	1.65905E-4	1.87093E-4
130	4.52358E-13	6.36E-15	71.12547	18.52025	1.22385E-13	3.23E-15	37.89009	15.78526	15.87536	3.511E-8	4.52358E-13	6.46199E-6	3.68854E-10	1.22385E-13	1.65905E-4	1.65905E-4