Danit ( Deterc EE YYL HN3 I please IIH lover tow I have orbided by the Stevens Horai Goden: 0 1 11000 - 0.7 mW Ploton 374 mW B=15 MHZ B (cg2/1-1 5) 15×106 (og2/1+ 24) 4-9/04 Mys Clos= (1 + 5) - 15×106 1052/1+ 74 = 103,7829 Mpgs 11 - 202B MHZ a) C:/ { { G, (1-1, p) }  $(292(1+10^{20/10})0.1(70e6) = 1.3316$  Mbgs  $(292(1+10^{15/10}).15(20e6) = 1.5083$  Mbgs  $(292(1+10^{10/10}).75(70e6) = 1.7797$  Mbgs  $(292(1+10^{10/10}).15(70e6) = 0.6172$  Mbgs (092 (1-10°10).25 (100) = 0.5000 Mhps (09/2 (1-110-5/10) N/ (70-6)-0.0793 Mbys: (= 4(glave) = /57.6619 Mbps b) that on lost page

The maximum already rate is C=57.6619 Mbps 3 7=30 JB 7=0JB 13=10JB 7=0JB P=1000 JBn 12=10JBn 3=10JBn 13=1JBn P=-37 P=-3, P=-3, P=-2 7=0-8109 1=2322 fer 1=1. 

