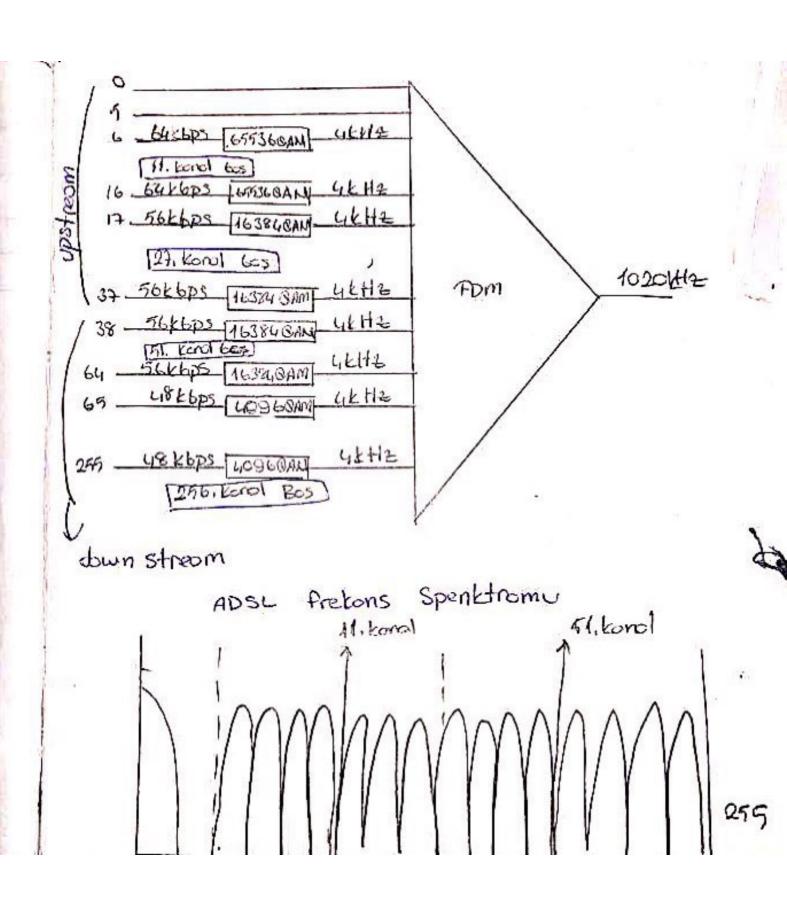


upstream igin ilk 10 konol igin -) 695 36 QAM C = 4000 × (092 65535+1) C = 6000 x (cg 2 216 C= 64 K6PS Geriye kolon 20 konol igin C = 4000x log 216383 H) -> 16384 10MA C = 4000 x log 220 = c= 56 K6ps replom upstream 6it hizi 64+56 = 120 K6ps Down Stream igin 26 konal fain C=4000 x 1092 (16383H) -> 16384 QAM c = 4000 x log 2214 C= 56K6ps Ceri kolon 120 korol Gin C= 4000 x 1092 (4095+1) -> 4096 @AM C= 4000x 109212 C= 48 K6PS Toplom downstream 6it hiz Tb + 48 = 104kg



```
3)4000+17
 6 logalses
 32 toral upstream
 218 lond downstream
aupstream
          30 bard
            65535
    C=Blog (SNRH)
                     65535+1
    = 4000
                   tasidigi biz.
  C= 64 000
 => downstream
                      190 kool
           26/000
                       4087
           16383
                                    c = 4000 leg
 C= 4000lbg (16383+1
                                    C = 4000 12 = 48.000
                                                     tosidies
                                                     1.A.
 C = 4000 14 = 56 000 - ) +0510 gil 6,7
 Down stream
                = 26000 + 18000
     tasi digi
```