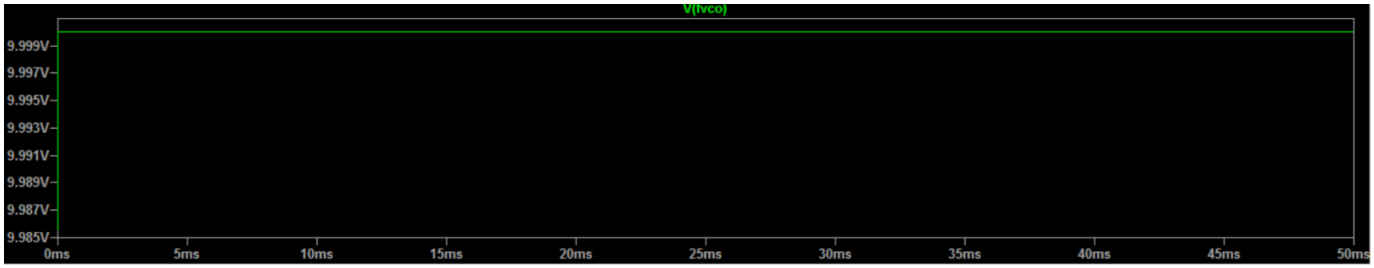
Q1

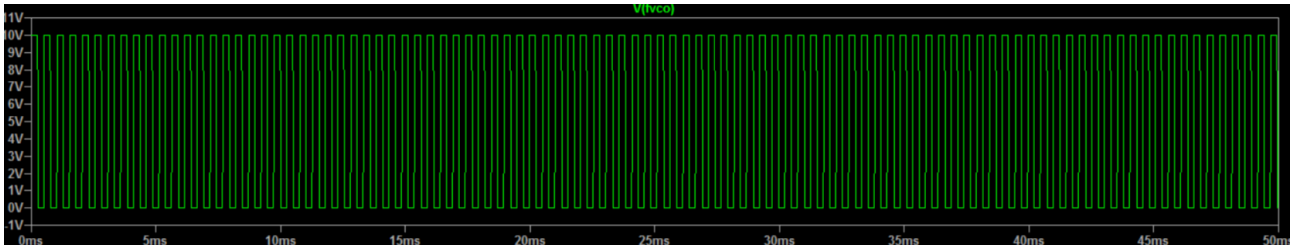
Selon la figure 7, f0≈85khz, fmax=2f0=170khz, plage=170khz.

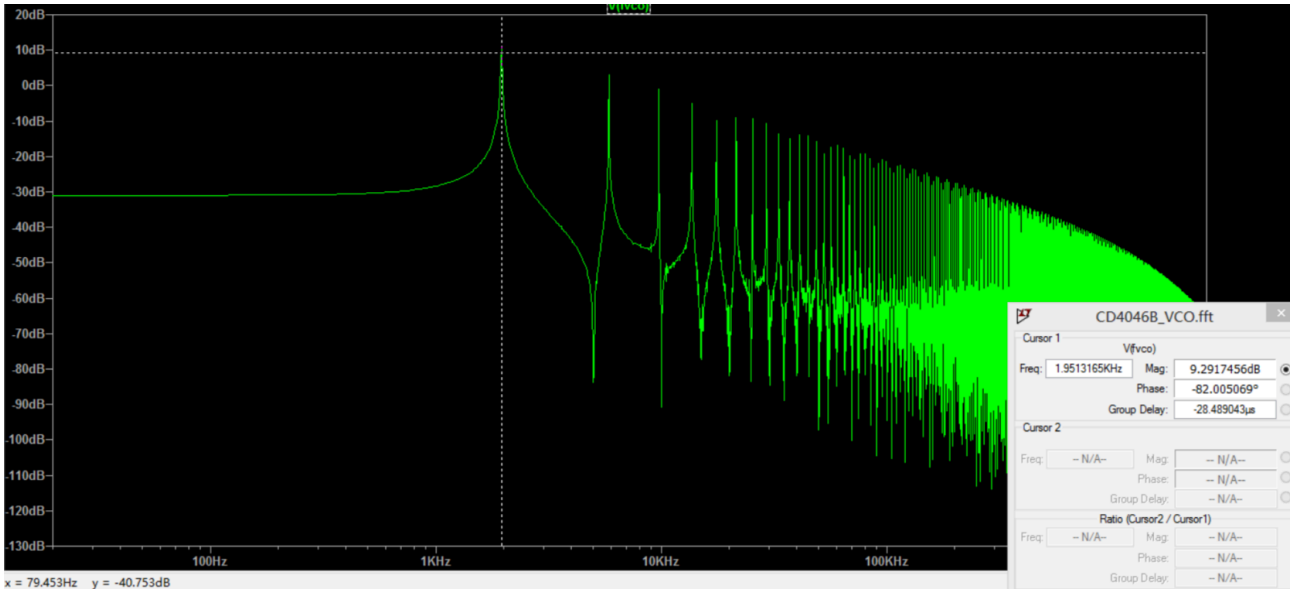
Q2

V1=0v:



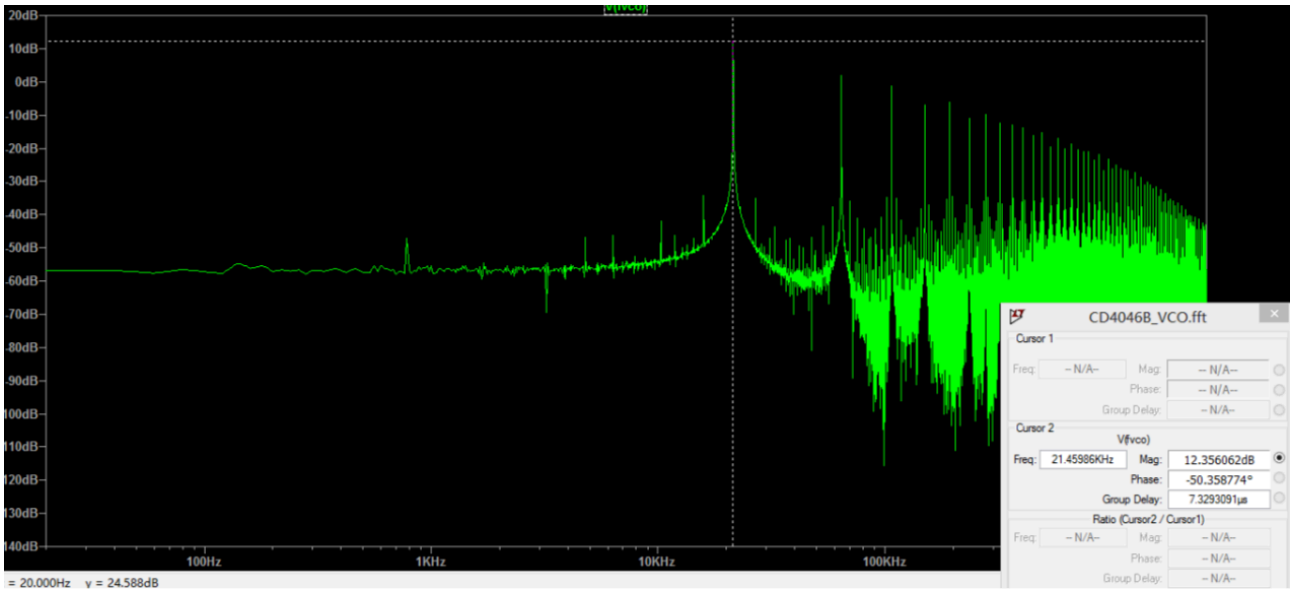
V1=1v:



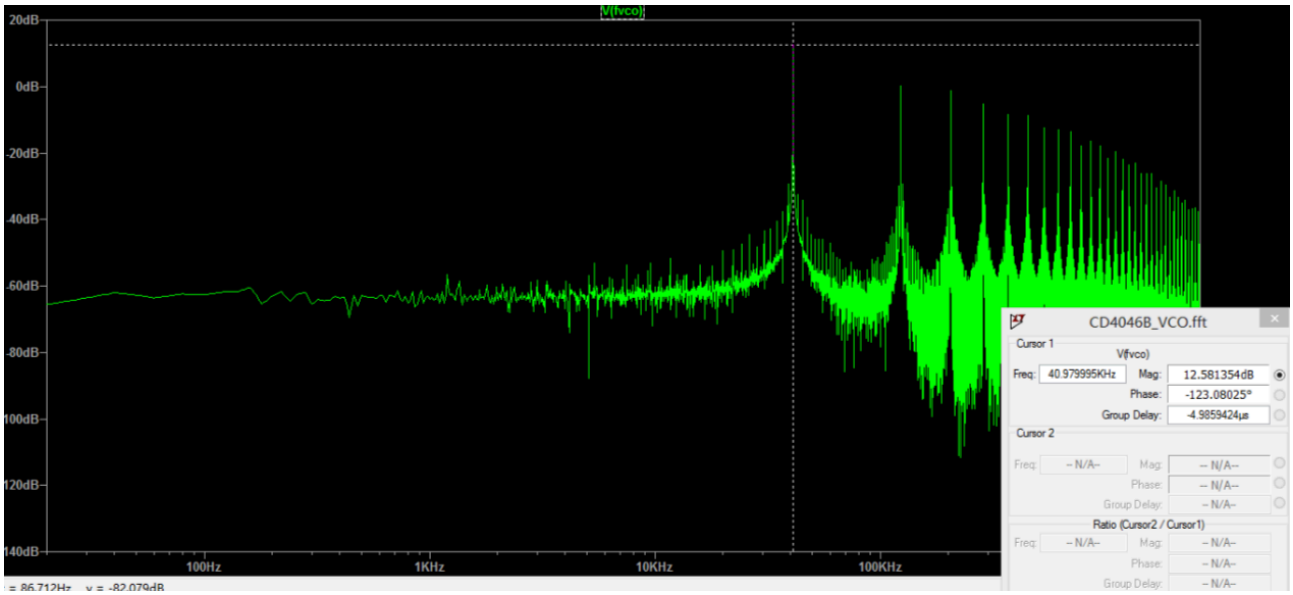


F=1.95khz,G=9.29db.

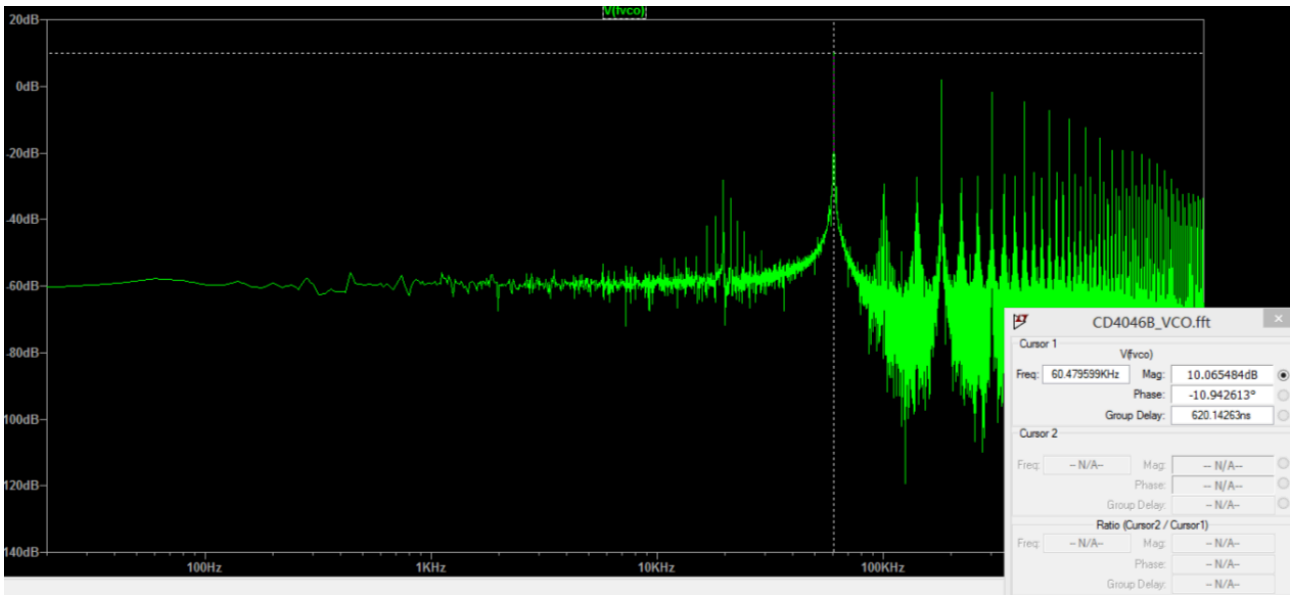
V1=2v: F=21.475 khz, G=12.36db.



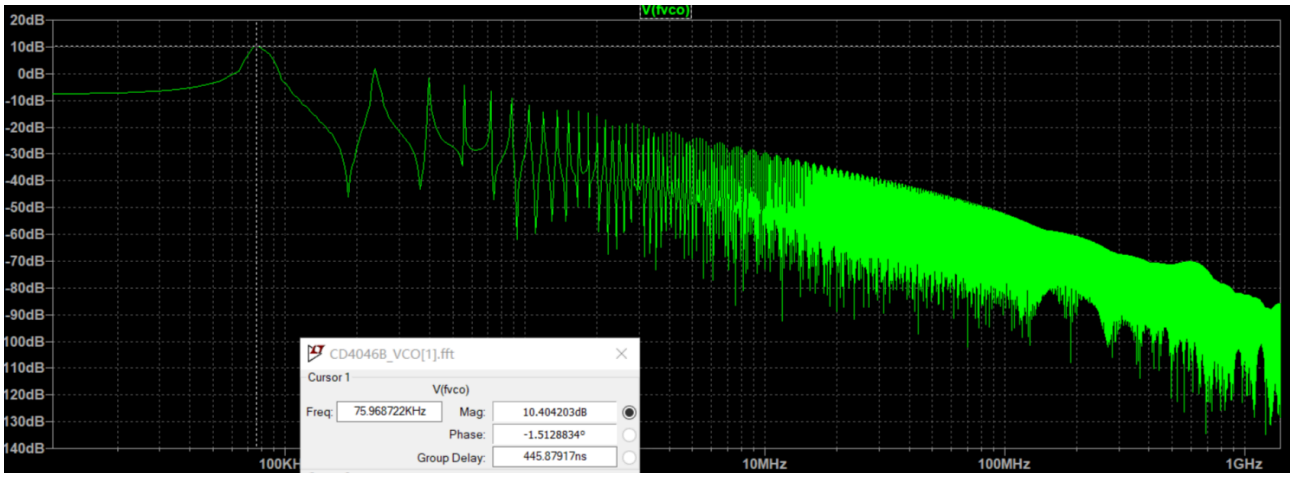
V1=3v F=40.98khz,G=12.58db.



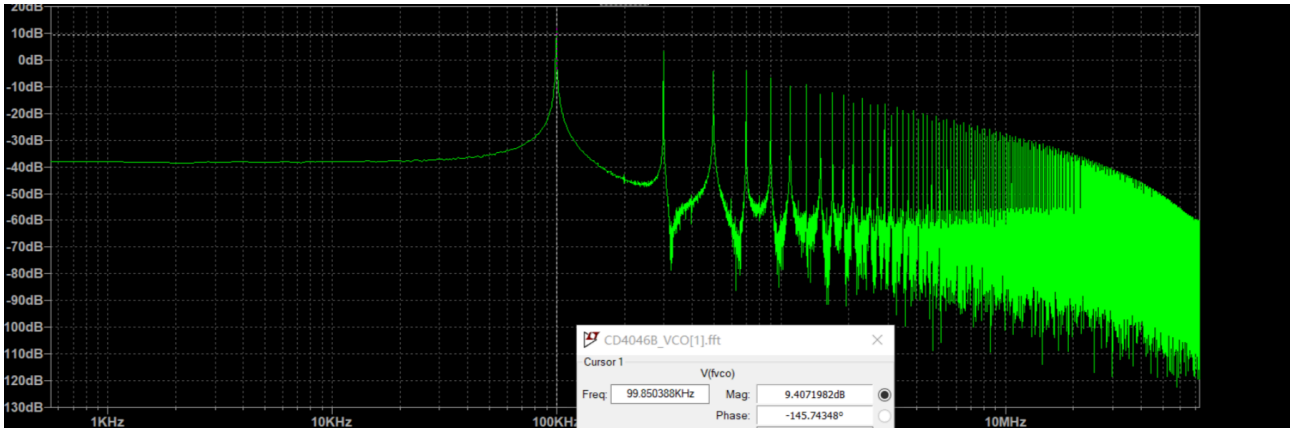
V=4v F=60.48khz,G=10.07db.



V=5v f=75.97kHz, G=10.40dB

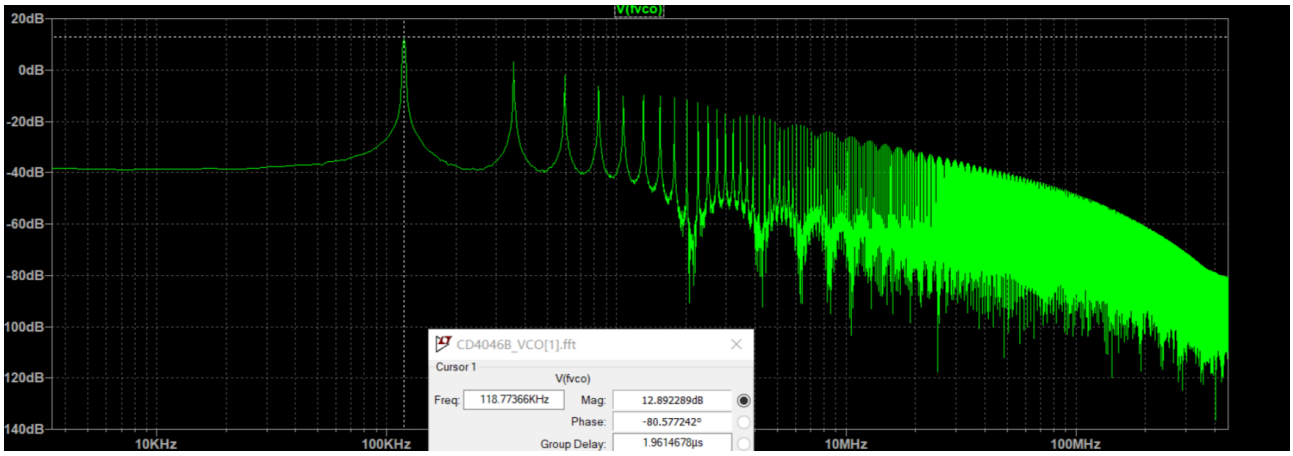


V1=6V, f=99.52khz, G=10.802dB



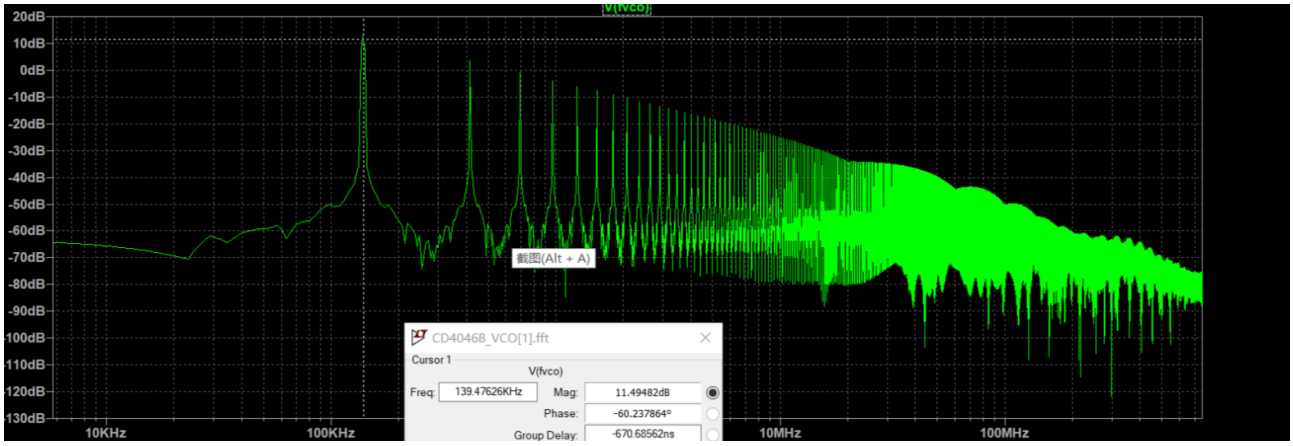
V1=7v

f=118.77kHz, G=12.89dB

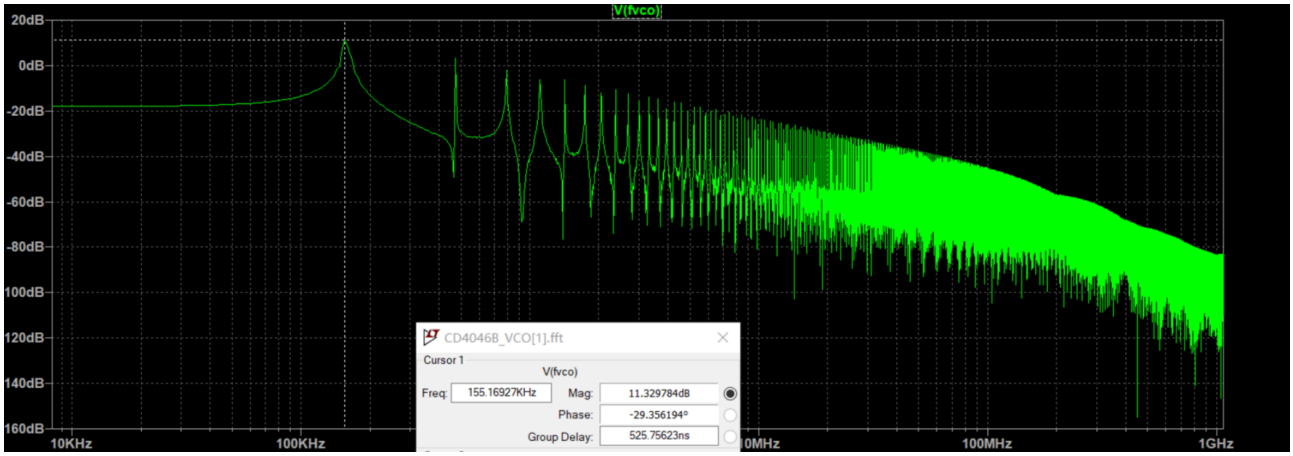


V1=8V

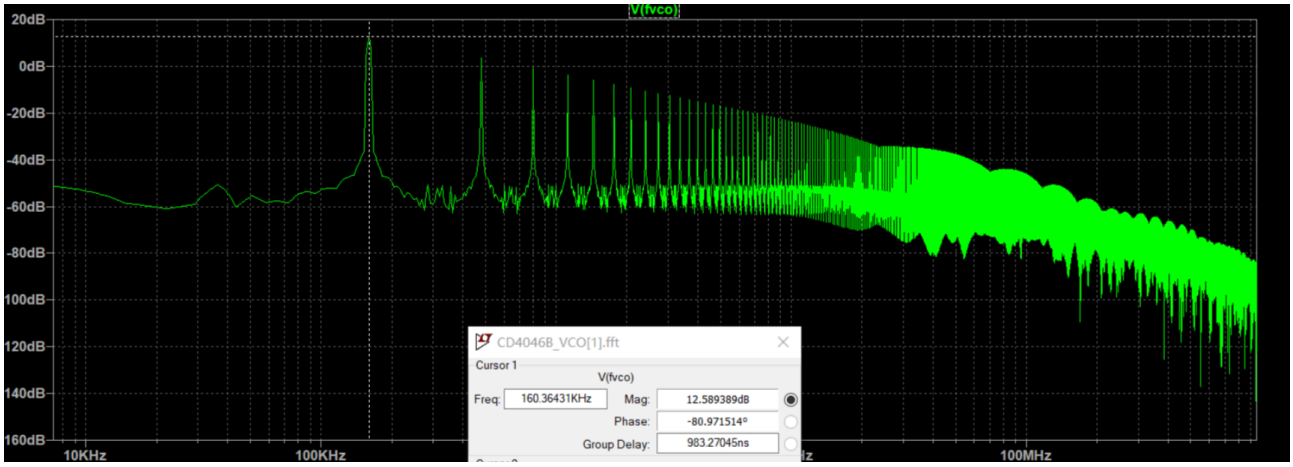
f=139.48kHz, G=11.49dB



V1=9V



V1=10V



En utilisant Excel, on peut voir que la relation entre F et v1 est presque lineaire

Fmax=160, qui est le meme que le model 0.16*10^6.

v1/v	F/khz	G/db
1	1.95	9.29
2	21.46	12.36
3	40.98	12.58
4	60.48	10.07
5	80	13.01
6	99.52	11.46
7	119.02	11.99
8	138.54	12.82
9	158.04	9.95
10	160	12.96