TubeOhm SMR4P-multi

does your Filter works like it should ?

What is   (x)Volt p and pp ?
(p) is the amplitude from zero to max – means peak amplitude
(pp) is   negative to positive peak - the absolute amplitude

We have mesaure   life the following .
1:) no input signal ,no control and no audio signal.
2:) DSO direct on the VCF output
3:) the frequency should be between 400-500 hz Cut adjust.

Results: from filter to filter the results can vary. If I measure 4 volts, your filter may also
measure 3.8 or 4.2 volts.   This depends on the component tolerances. So please - don't
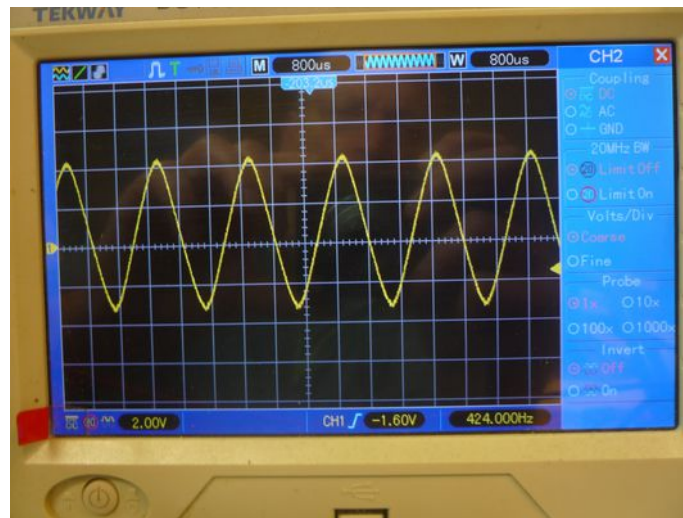take 0,1 Volt exactly.

 On the next page I measure the amplitudes of the LP filters 6,12,18 and 24 dB.
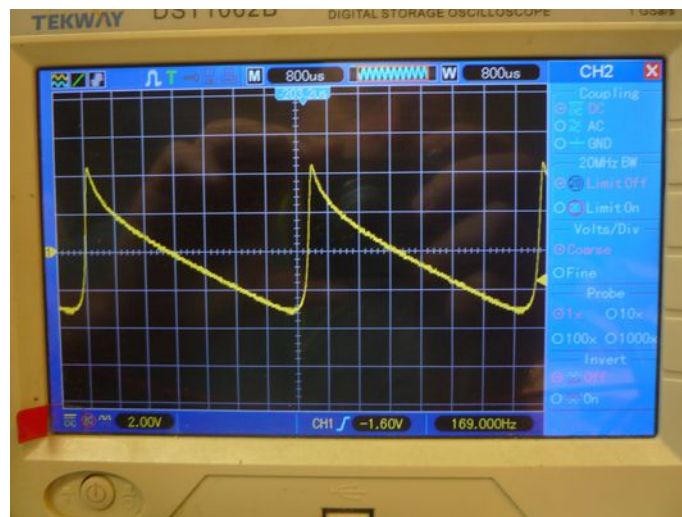
LP 1 (6dB)

Power supply +/-12V
No input, no FM

Cutoff frequency= round about 400 hz
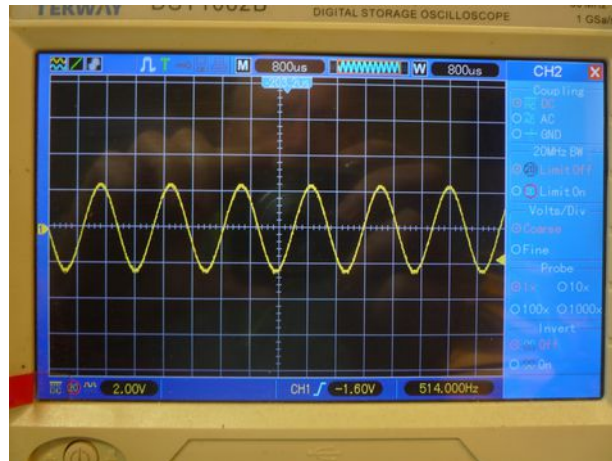Res=100%

Amplitude= 4Vp , 8Vpp
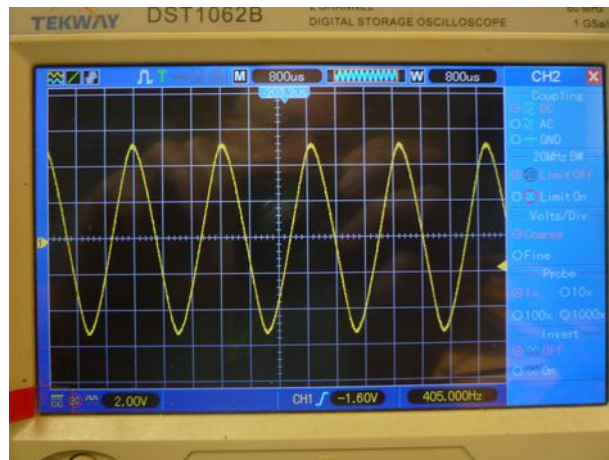
Same Settings but FM 100%

LP 2 (12dB)

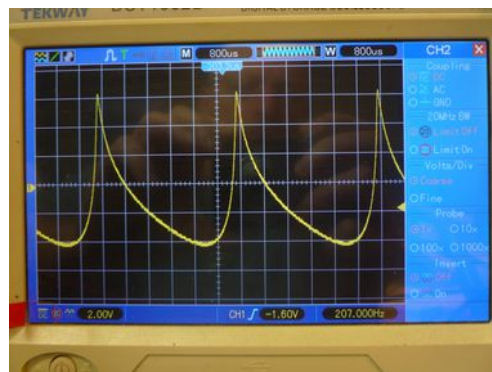Power supply +/-12V
No input, no FM

Cutoff frequency= round about 500 hz
Res=50% >>> amplitude=0V
Res=start boost = amplitude =2,2 Vp , 4,4Vpp

Cutoff frequency= round about 400 hz
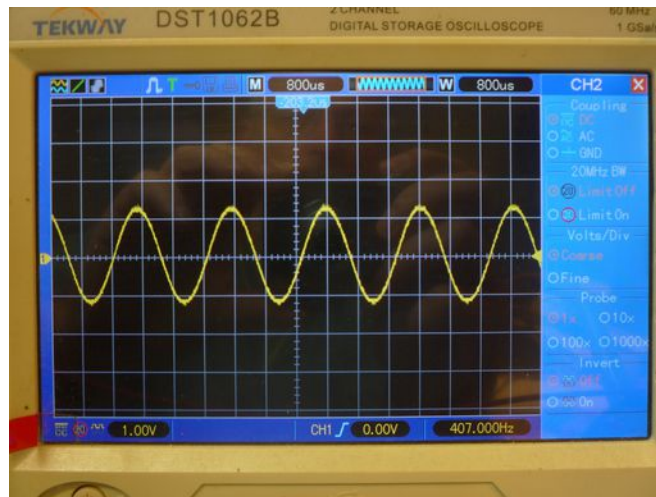Res= 100%, amplitude= 5,2Vp, 10,4Vpp
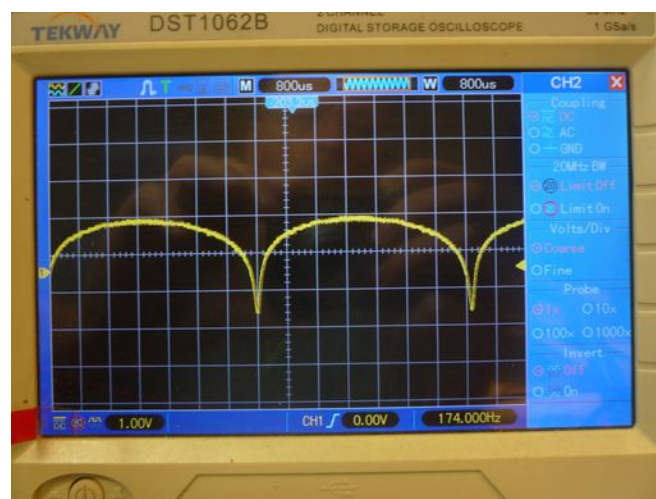

Same settings but 100%FM

LP 3 (18dB)

Power supply +/-12V
No input, no FM

Cutoff frequency= round about 400 hz
Res=50% >>> amplitude=0V
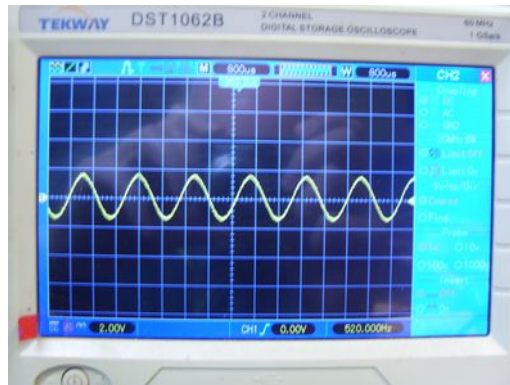Res=100% = amplitude =1,2 Vp   2,4Vpp
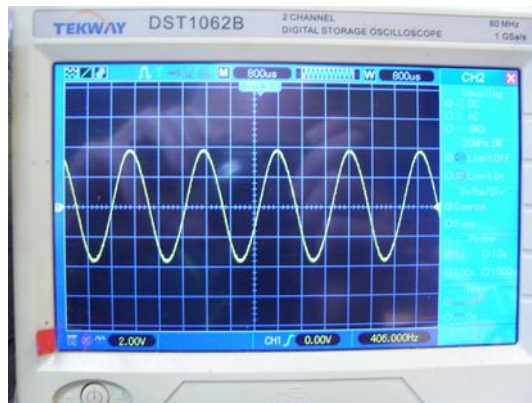

Same settings but FM =100%

LP 4 (24dB)

Power supply +/-12V
No input, no FM

Cutoff frequency= round about 400 hz
Res=50% >>> amplitude=0V
Res=start boost = amplitude =1,8 Vp   3,6Vpp

Res=100% = amplitude =4 Vp   8Vpp

Same settings with 100%FM