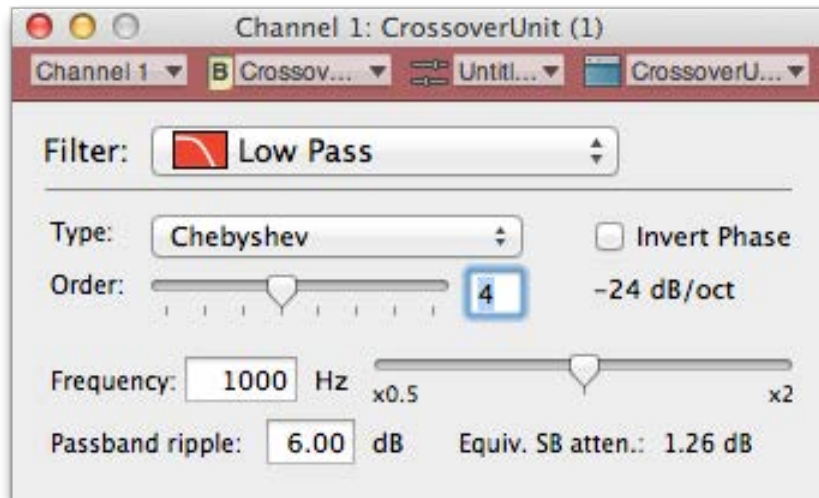
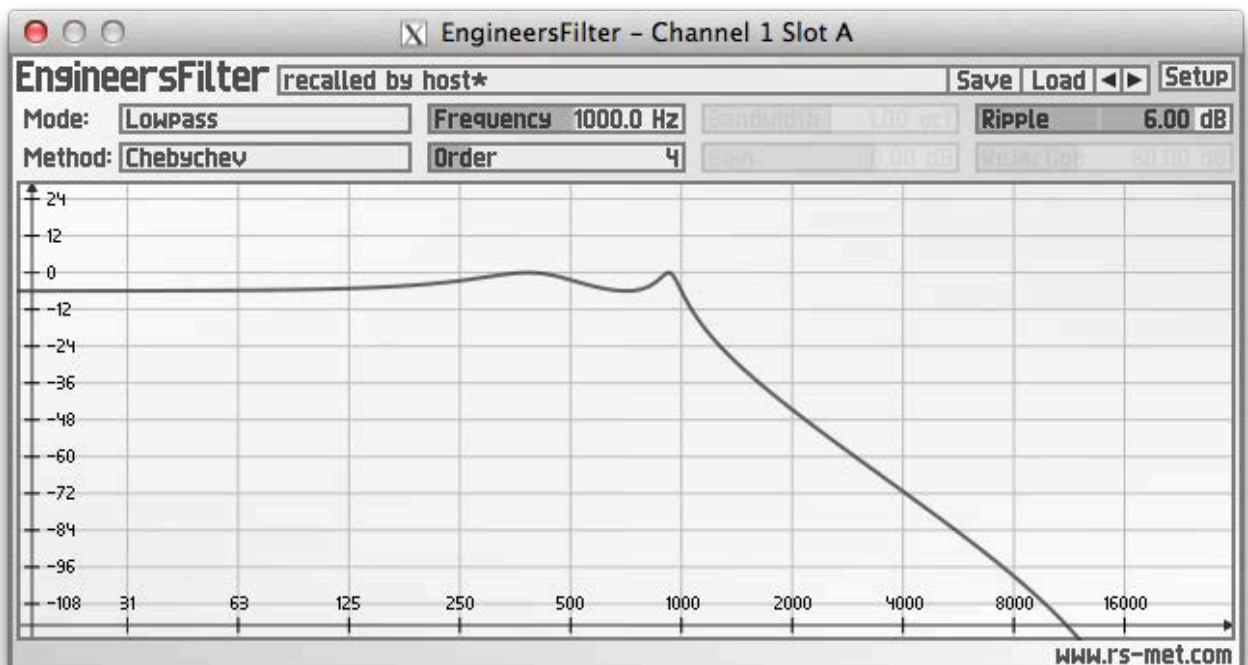


comparison between CrossoverUnit



EngineersFilter



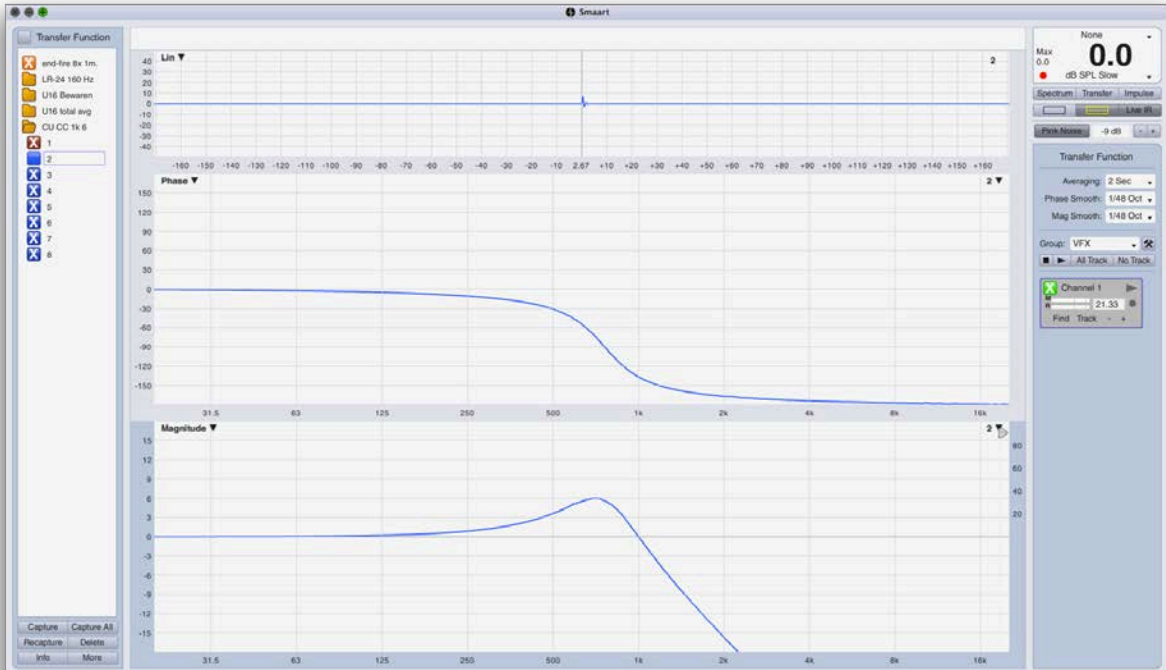
1st order LPF Chebyshev 1 kHz passband ripple 6 dB CrossoverUnit



EngineersFilter



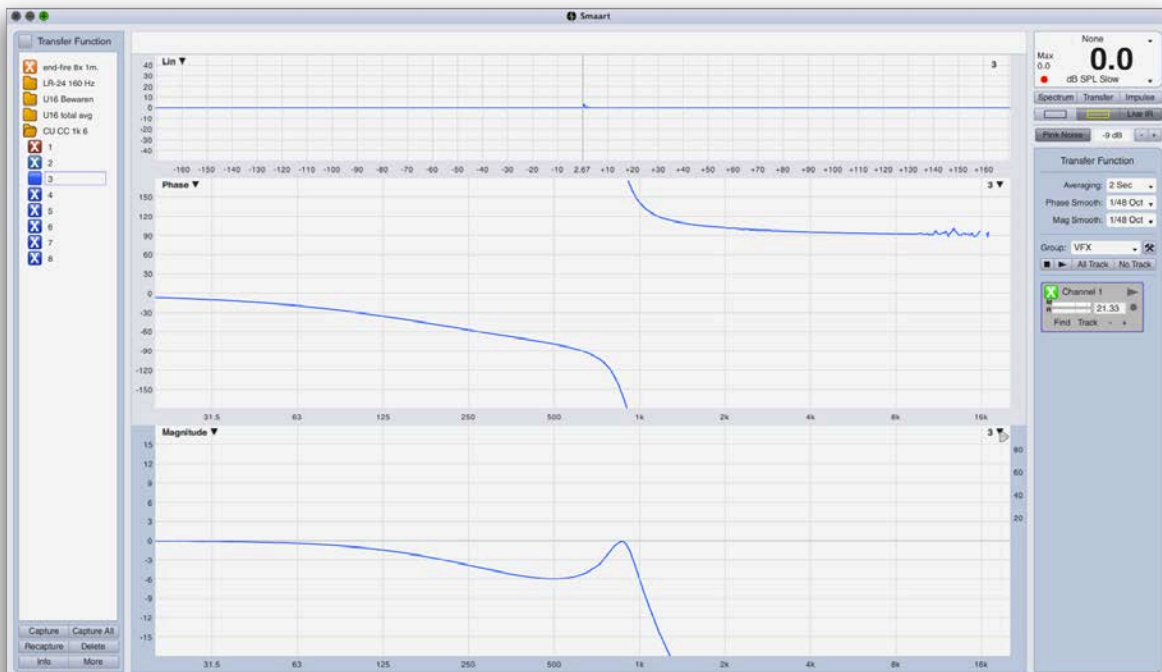
2nd order LPF Chebyshev 1 kHz passband ripple 6 dB CrossoverUnit



EngineersFilter



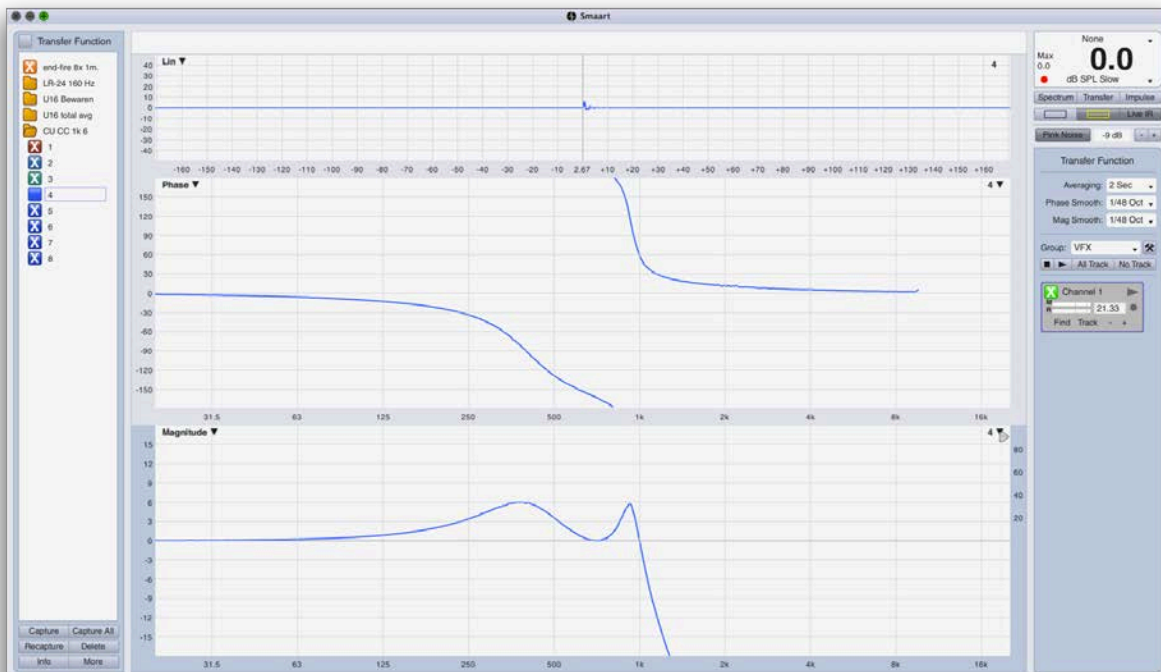
3rd order LPF Chebyshev 1 kHz passband ripple 6 dB CrossoverUnit



EngineersFilter



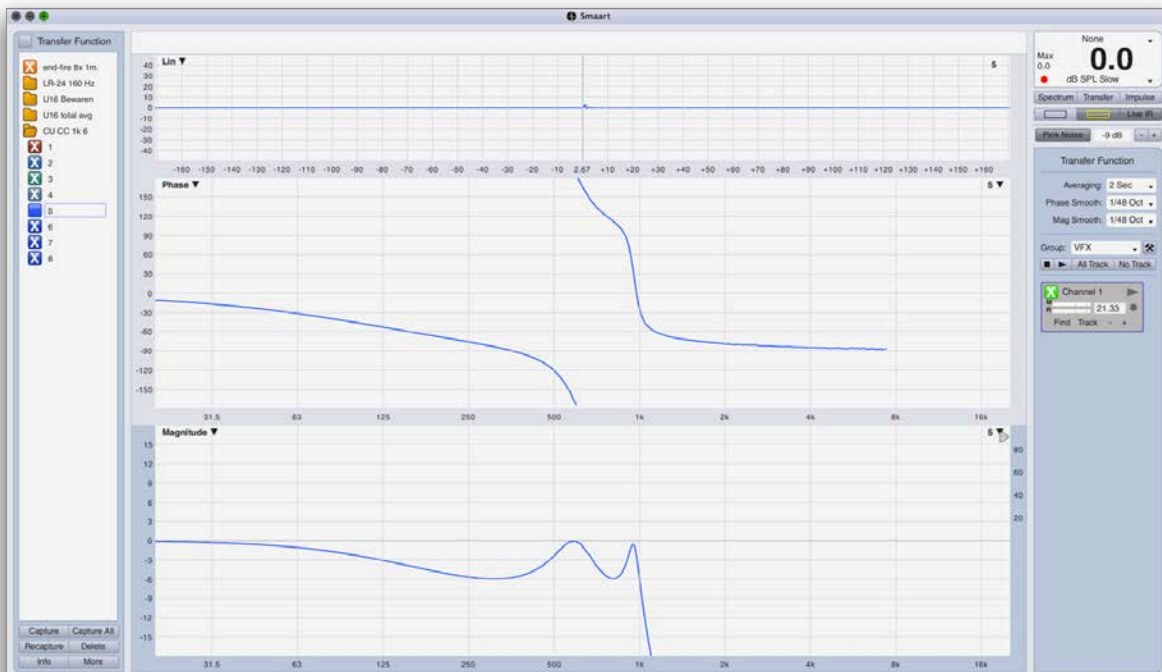
4th order LPF Chebyshev 1 kHz passband ripple 6 dB CrossoverUnit



EngineersFilter



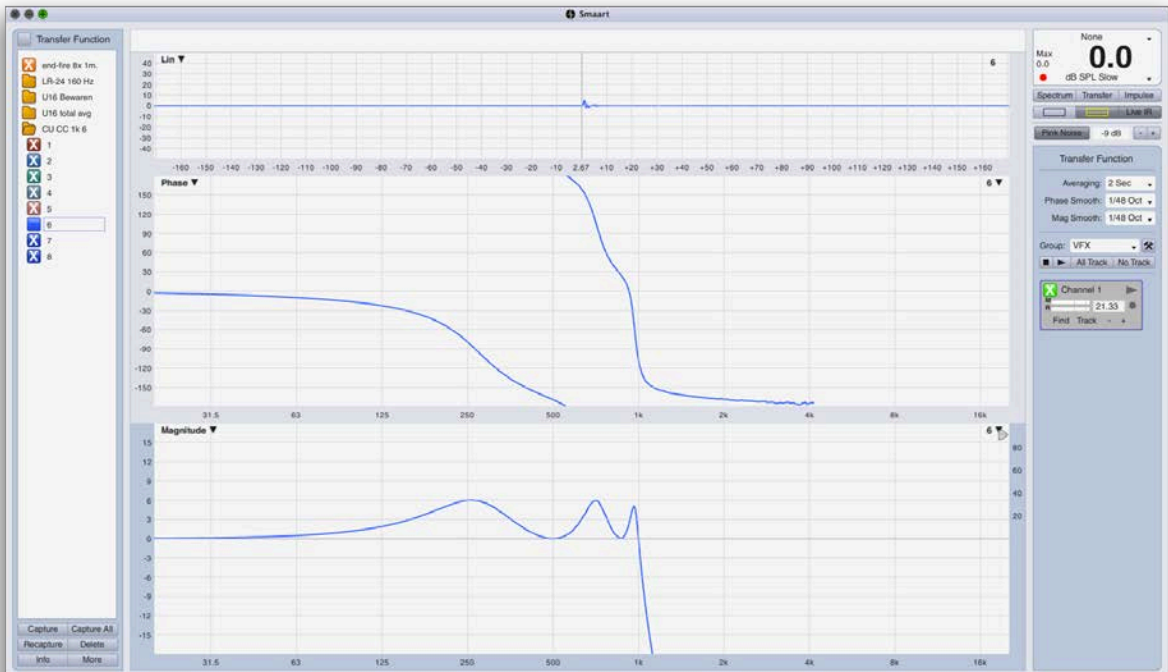
5th order LPF Chebyshev 1 kHz passband ripple 6 dB CrossoverUnit



EngineersFilter



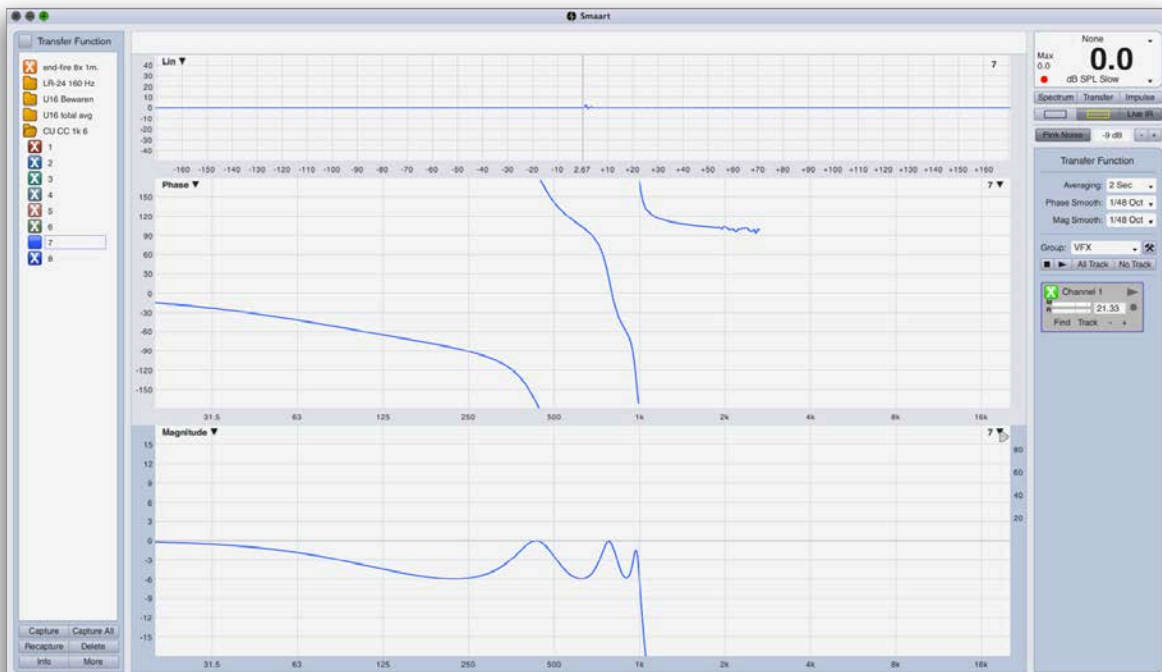
6th order LPF Chebyshev 1 kHz passband ripple 6 dB CrossoverUnit



EngineersFilter



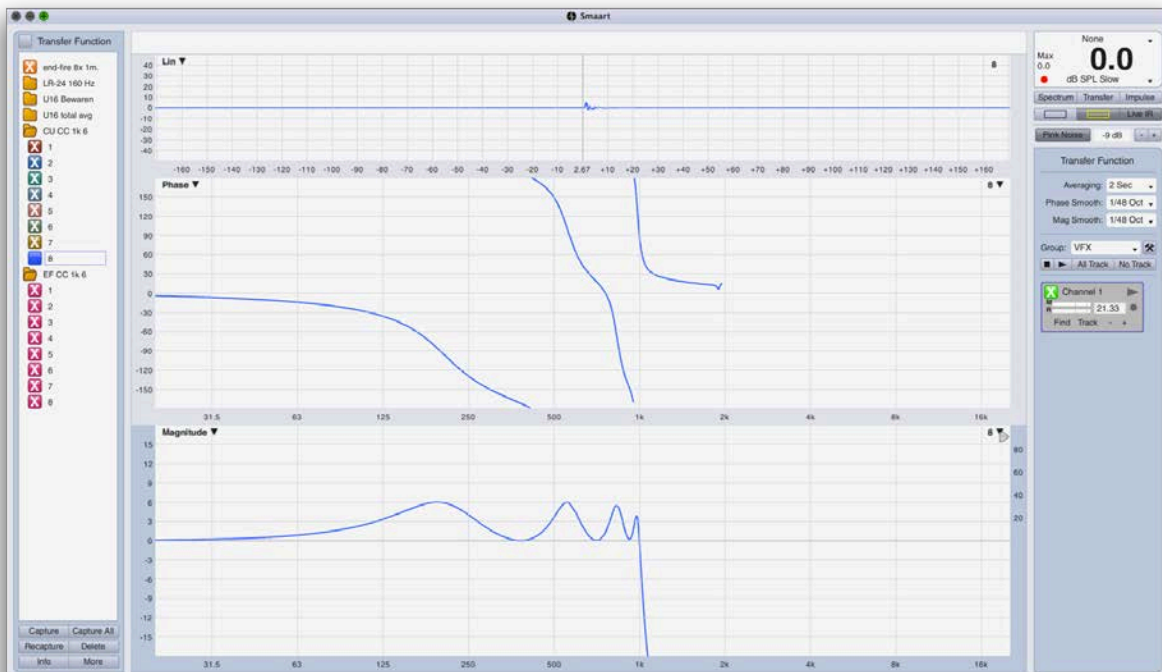
7th order LPF Chebyshev 1 kHz passband ripple 6 dB CrossoverUnit



EngineersFilter



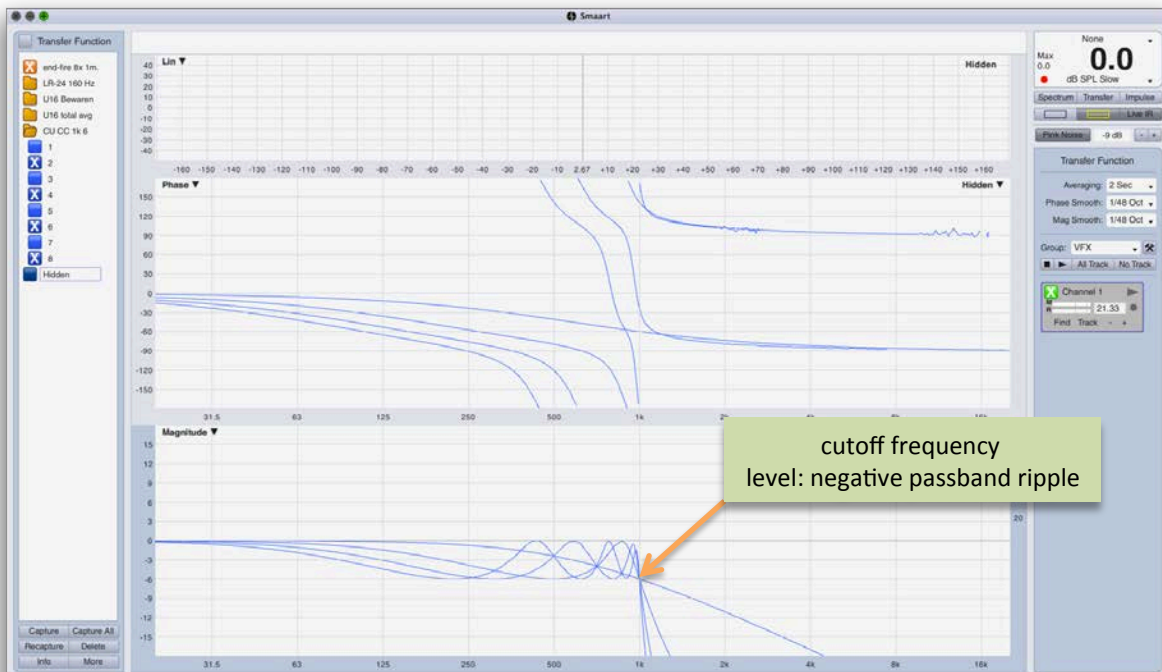
8th order LPF Chebyshev 1 kHz passband ripple 6 dB CrossoverUnit



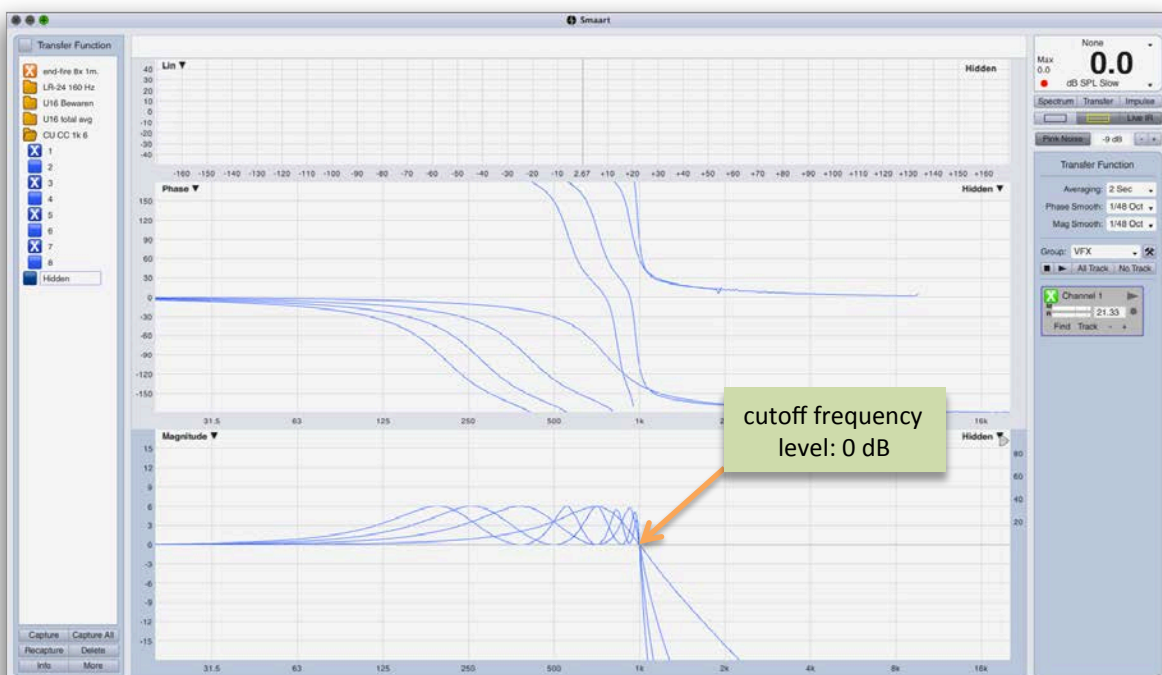
EngineersFilter



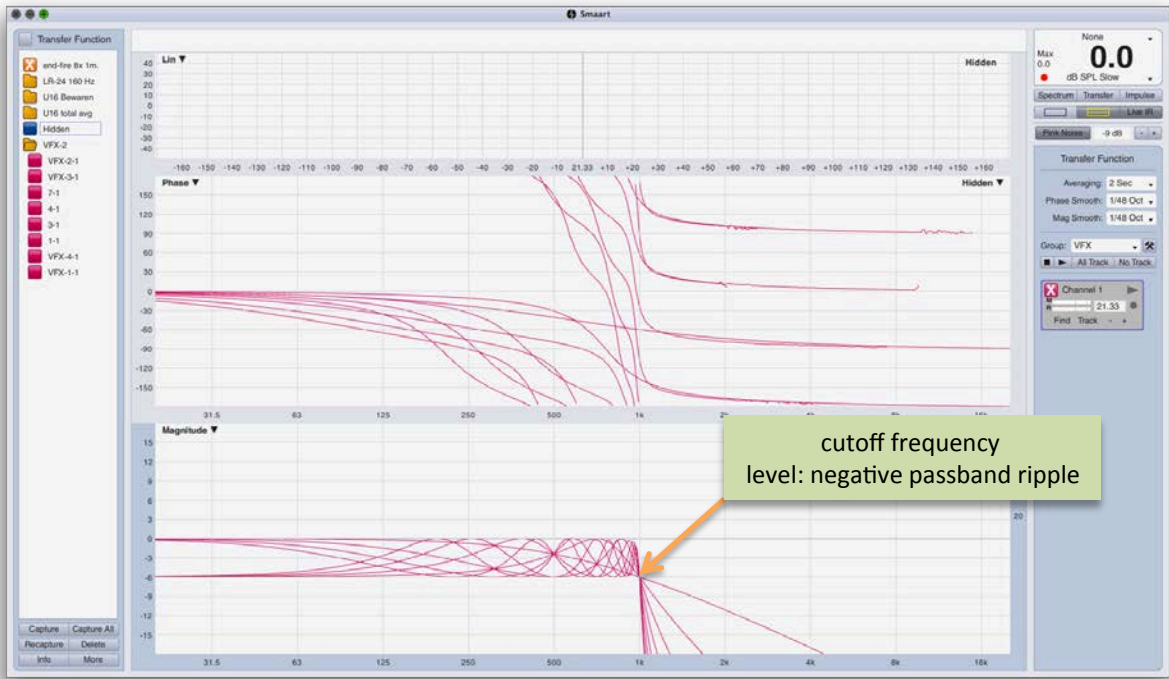
LPF Chebyshev 1 kHz passband ripple 6 dB CrossoverUnit - odd order



CrossoverUnit - even order



LPF Chebyshev 1 kHz passband ripple 6 dB EngineersFilter - odd & even order



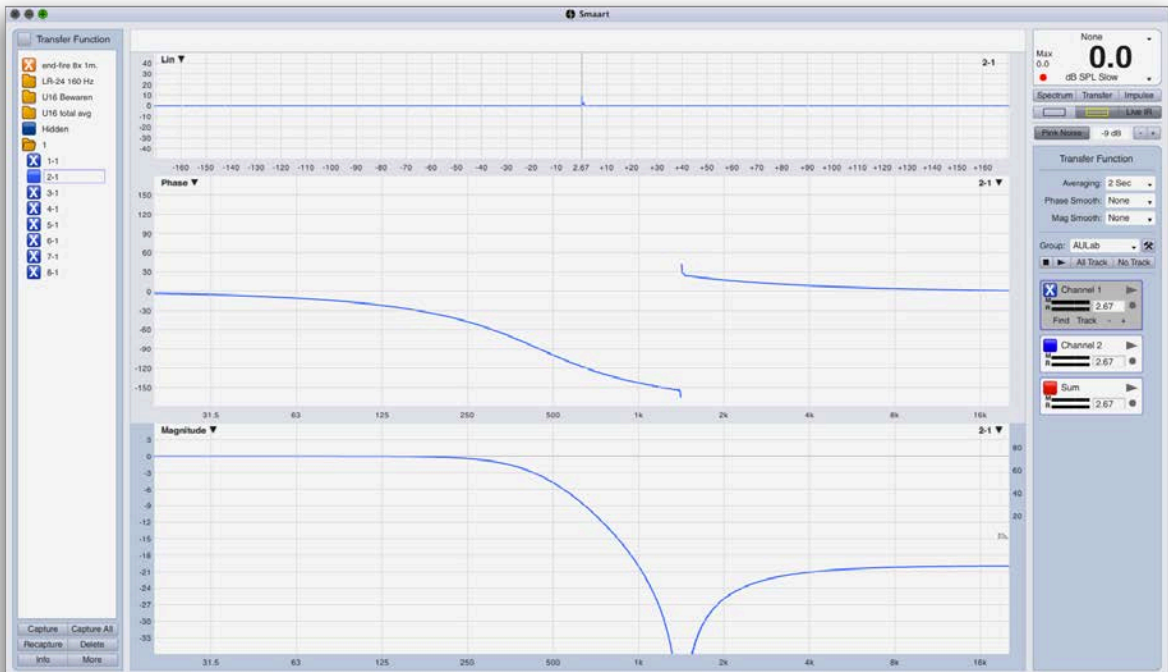
1st order LPF Inverse Chebyshev 1 kHz stopband attenuation 20 dB CrossoverUnit



EngineersFilter



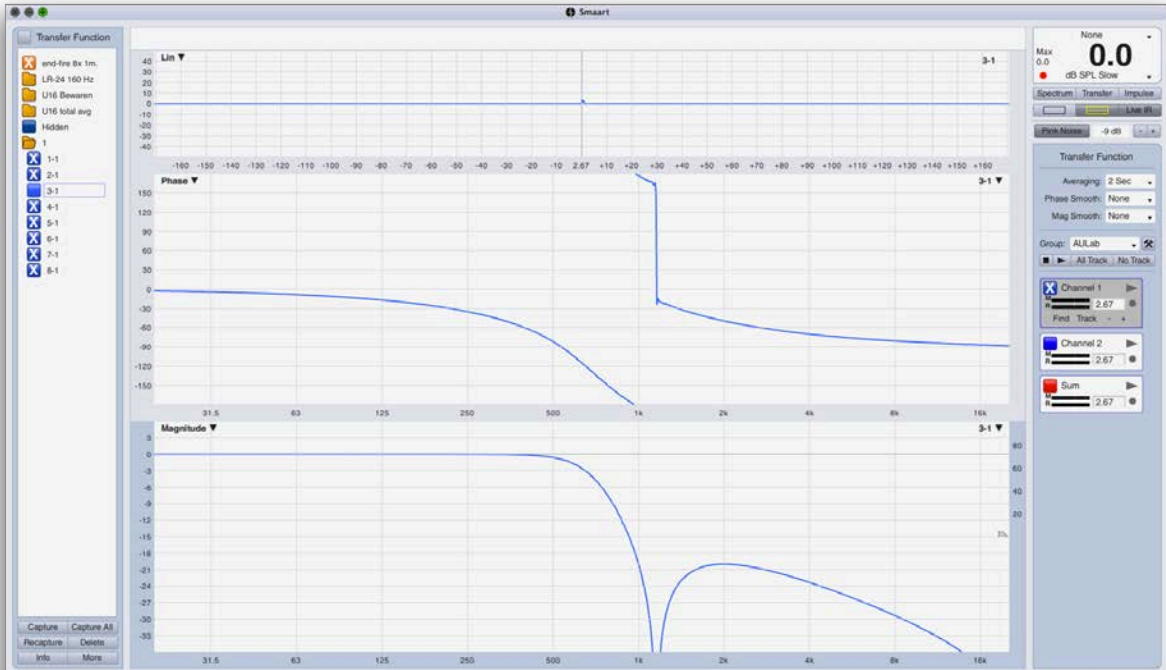
2nd order LPF Inverse Chebyshev 1 kHz stopband attenuation 20 dB CrossoverUnit



EngineersFilter



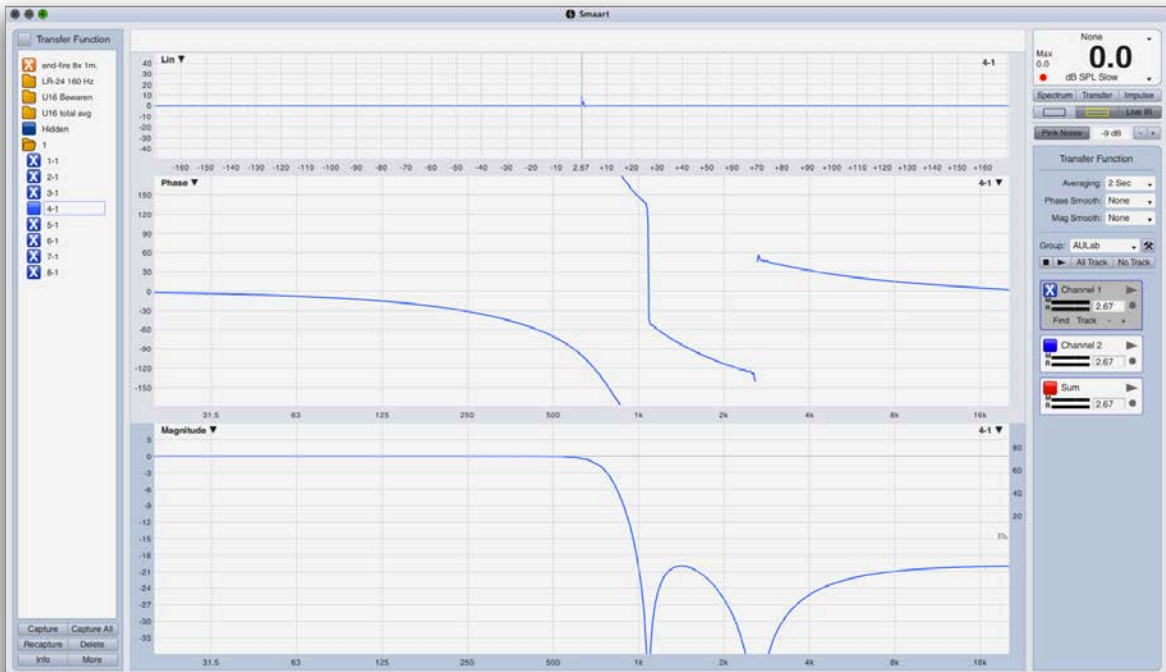
3rd order LPF Inverse Chebyshev 1 kHz stopband attenuation 20 dB CrossoverUnit



EngineersFilter



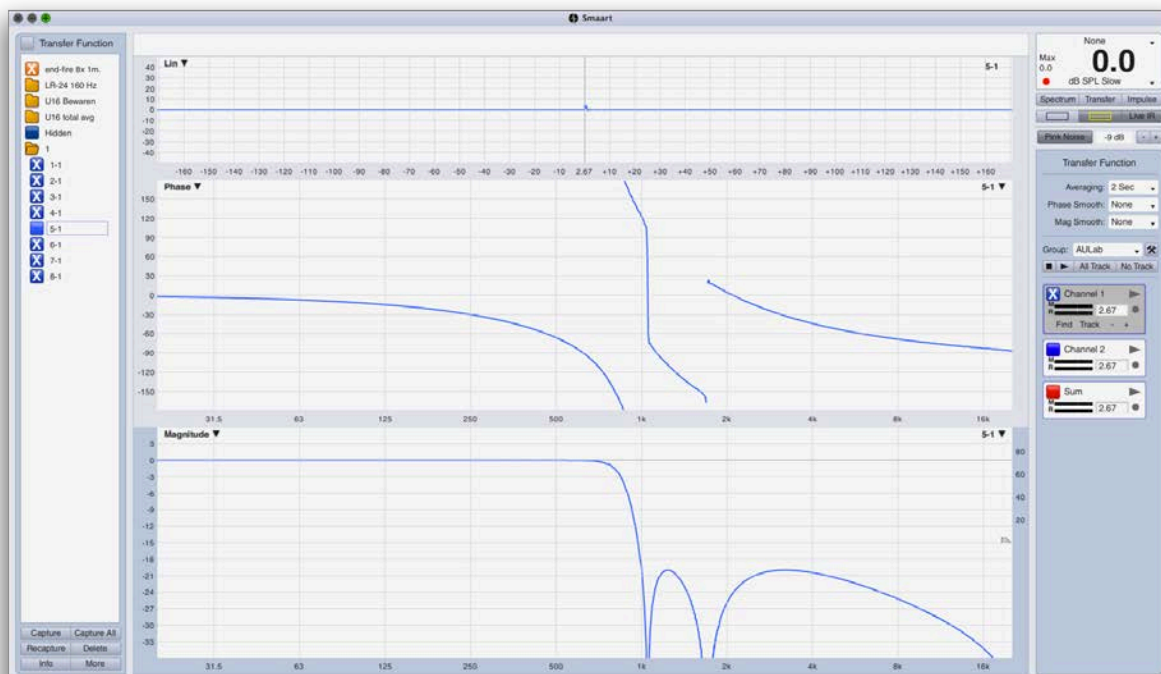
4th order LPF Inverse Chebyshev 1 kHz stopband attenuation 20 dB CrossoverUnit



EngineersFilter



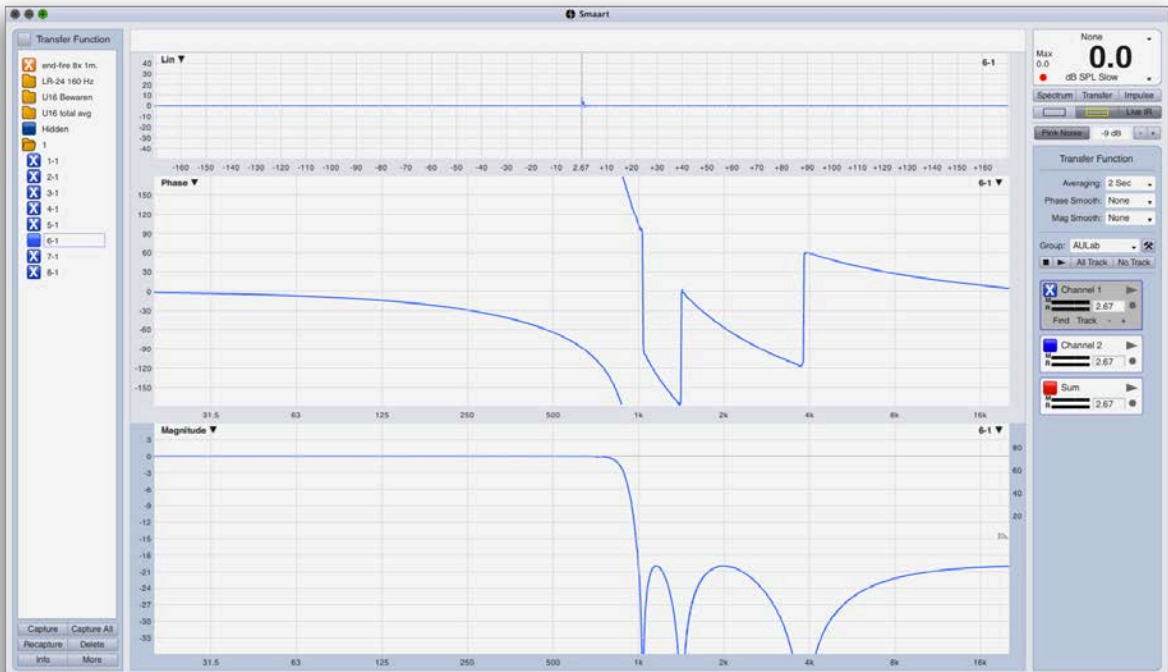
5th order LPF Inverse Chebyshev 1 kHz stopband attenuation 20 dB CrossoverUnit



EngineersFilter



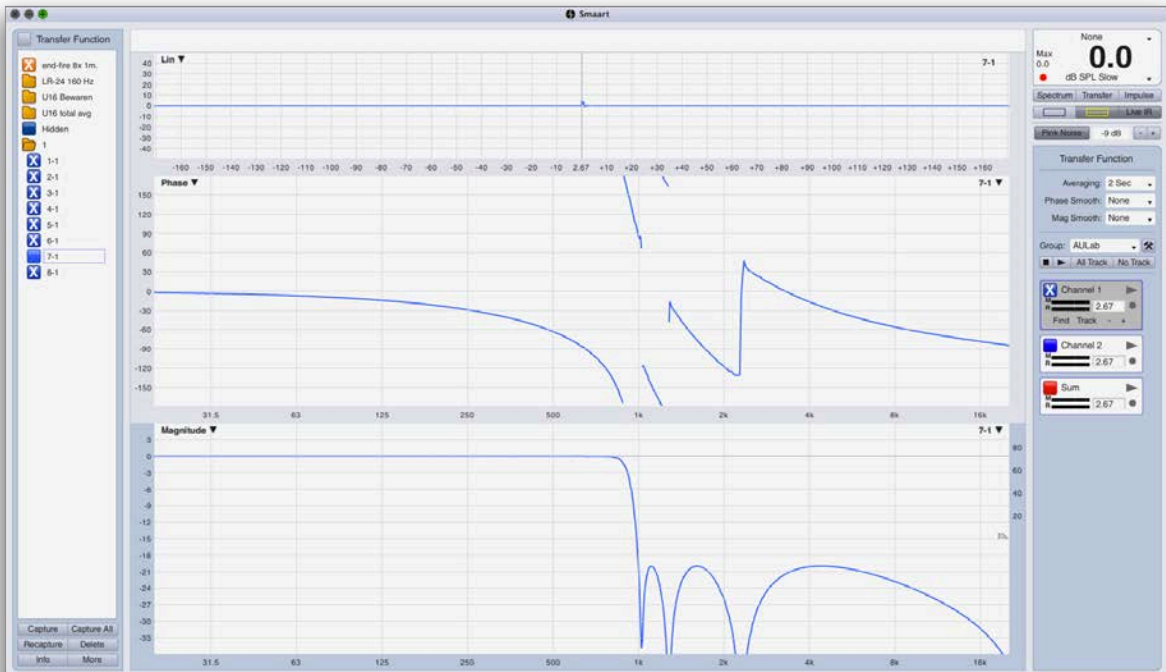
6th order LPF Inverse Chebyshev 1 kHz stopband attenuation 20 dB CrossoverUnit



EngineersFilter



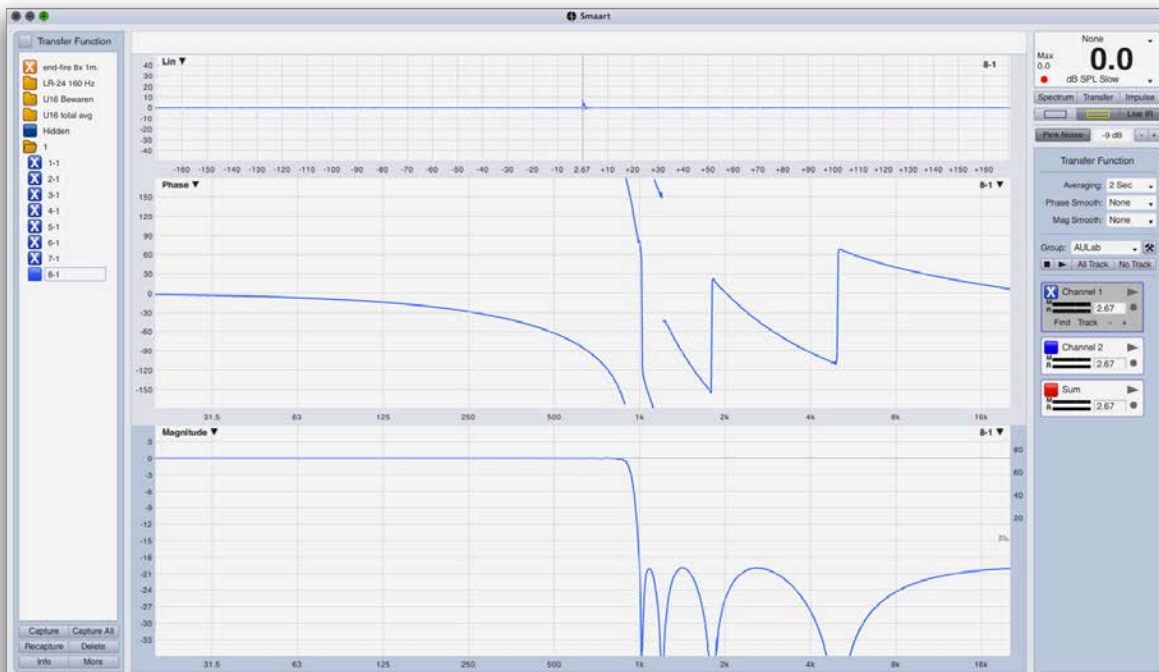
7th order LPF Inverse Chebyshev 1 kHz stopband attenuation 20 dB CrossoverUnit



EngineersFilter



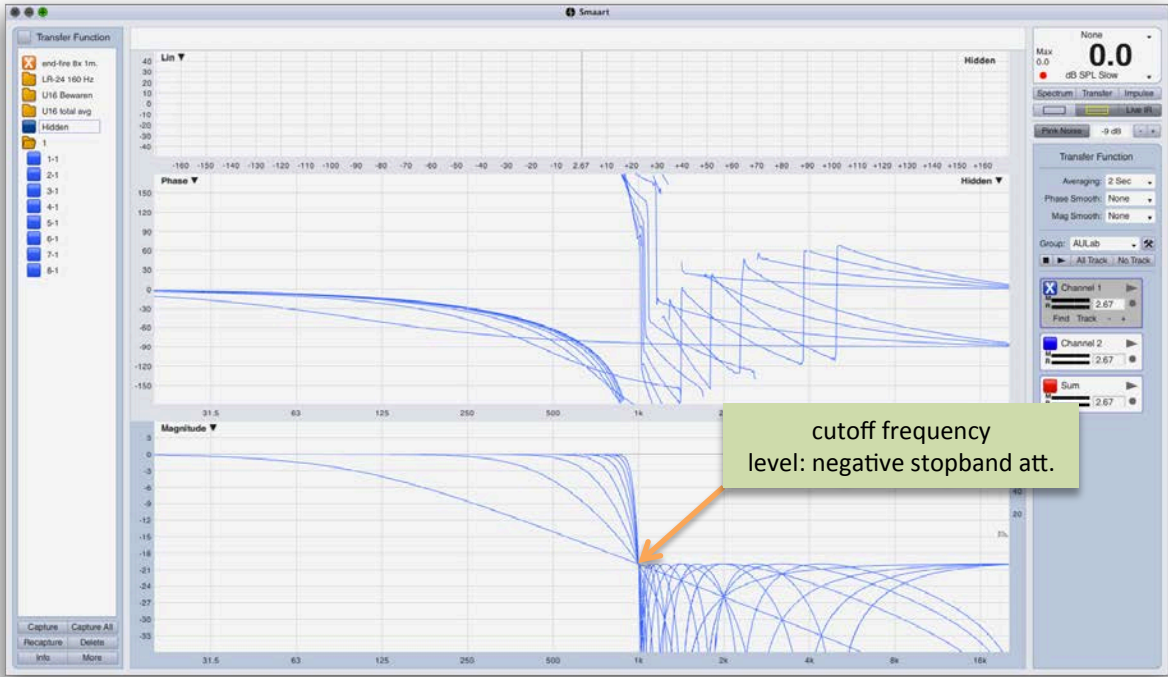
8th order LPF Inverse Chebyshev 1 kHz stopband attenuation 20 dB CrossoverUnit



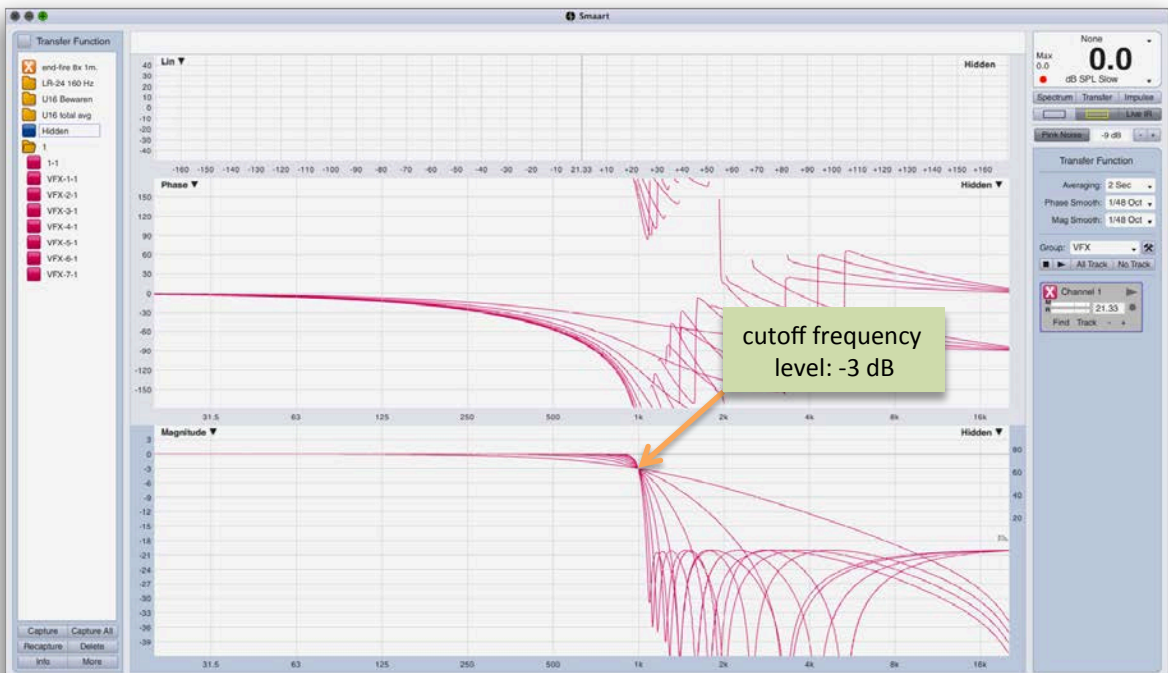
EngineersFilter



LPF Inverse Chebyshev 1 kHz stopband attenuation 20 dB odd & even order - CrossoverUnit



odd & even order - EngineersFilter



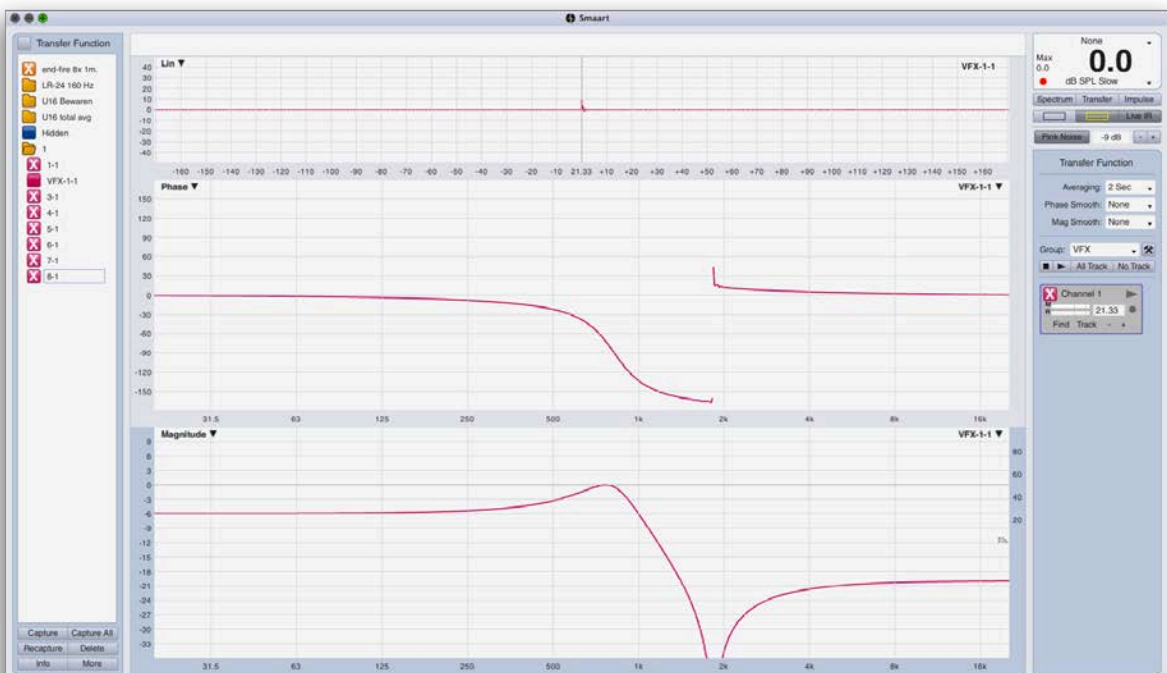
LPF Elliptic 1 kHz – EngineersFilter

passband ripple 6 dB - stopband attenuation 20 dB

1st order



2nd order



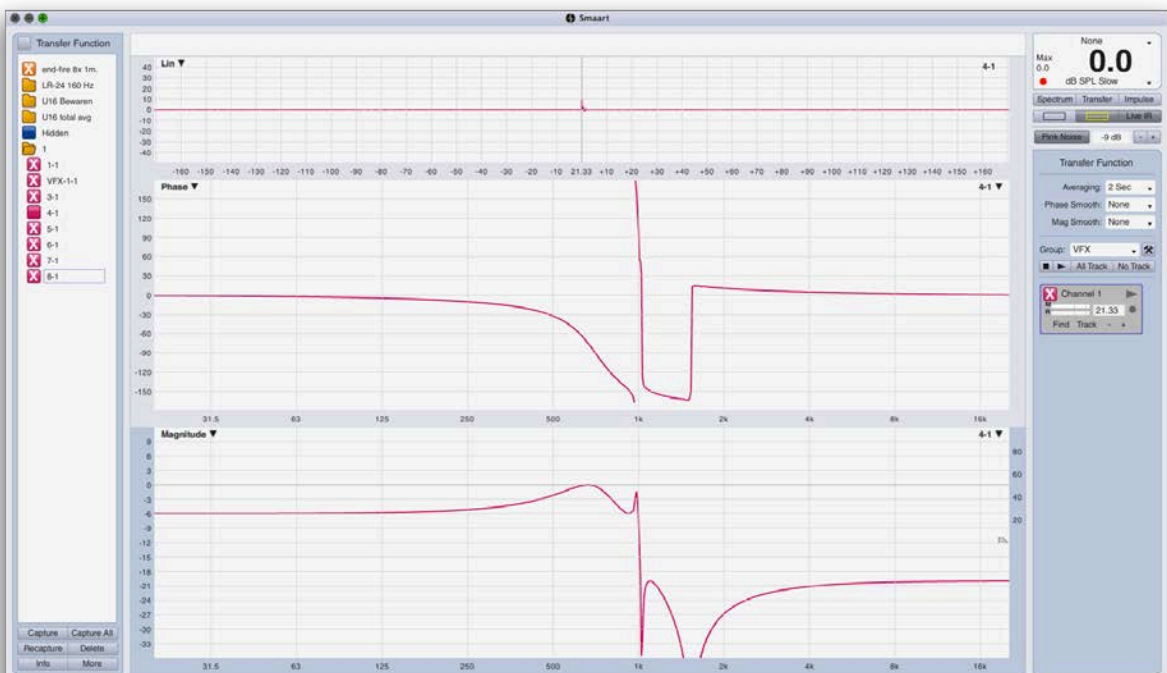
LPF Elliptic 1 kHz – EngineersFilter

passband ripple 6 dB - stopband attenuation 20 dB

3rd order



4th order



LPF Elliptic 1 kHz – EngineersFilter

passband ripple 6 dB - stopband attenuation 20 dB

5th order



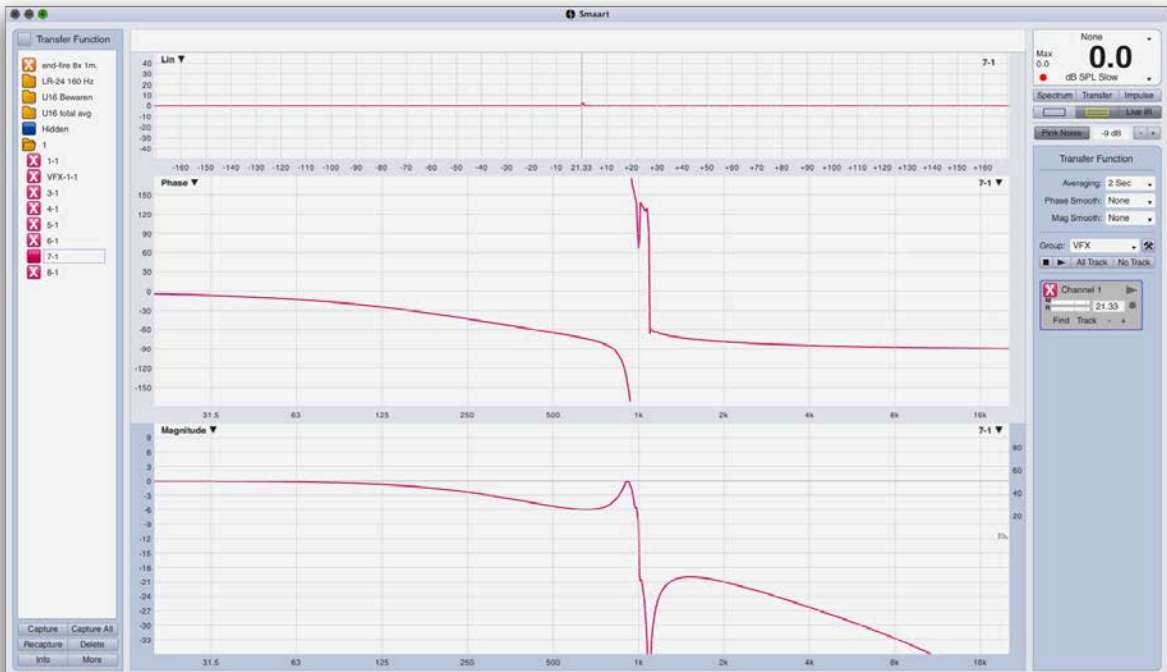
6th order



LPF Elliptic 1 kHz – EngineersFilter

passband ripple 6 dB - stopband attenuation 20 dB

7th order



8th order



LPF Elliptic 1 kHz – EngineersFilter

passband ripple 6 dB - stopband attenuation 20 dB
odd & even order



summary

level at cutoff frequency

	CrossoverUnit	EngineersFilter
Chebyshev	odd: neg. passband ripple even: 0 dB	neg. passband ripple
Inverse Chebyshev	neg. stopband attenuation	-3 dB
Elliptic (Cauer)	n/a	neg. passband ripple