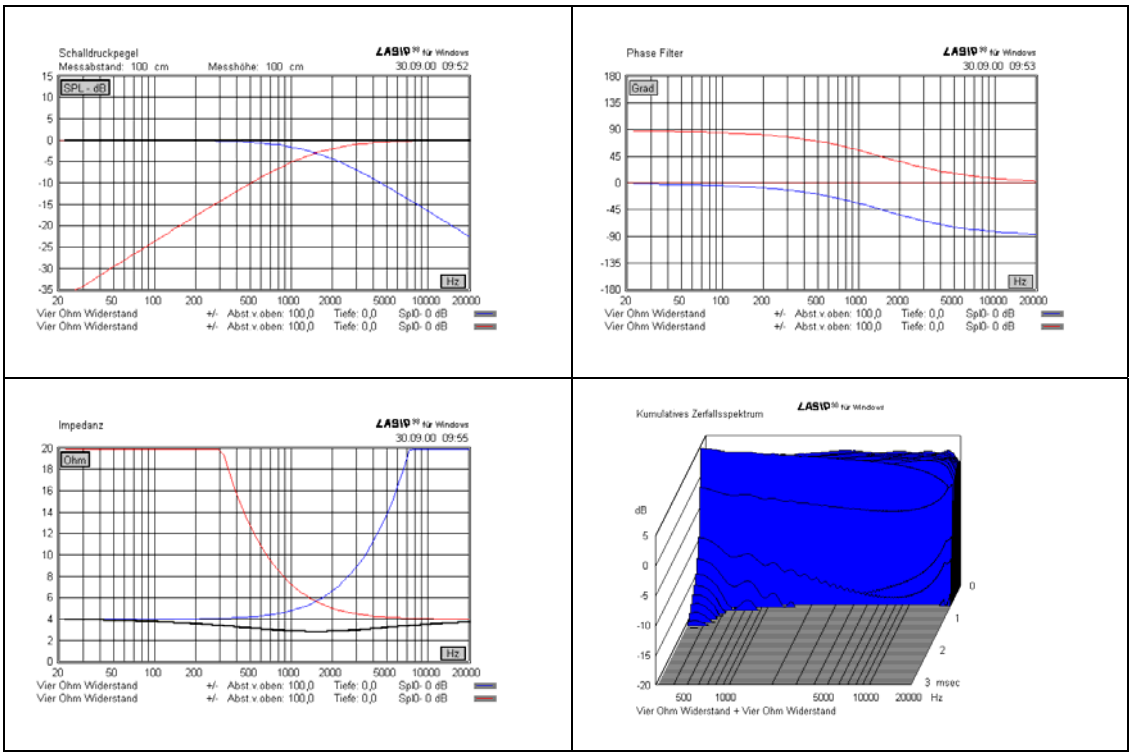
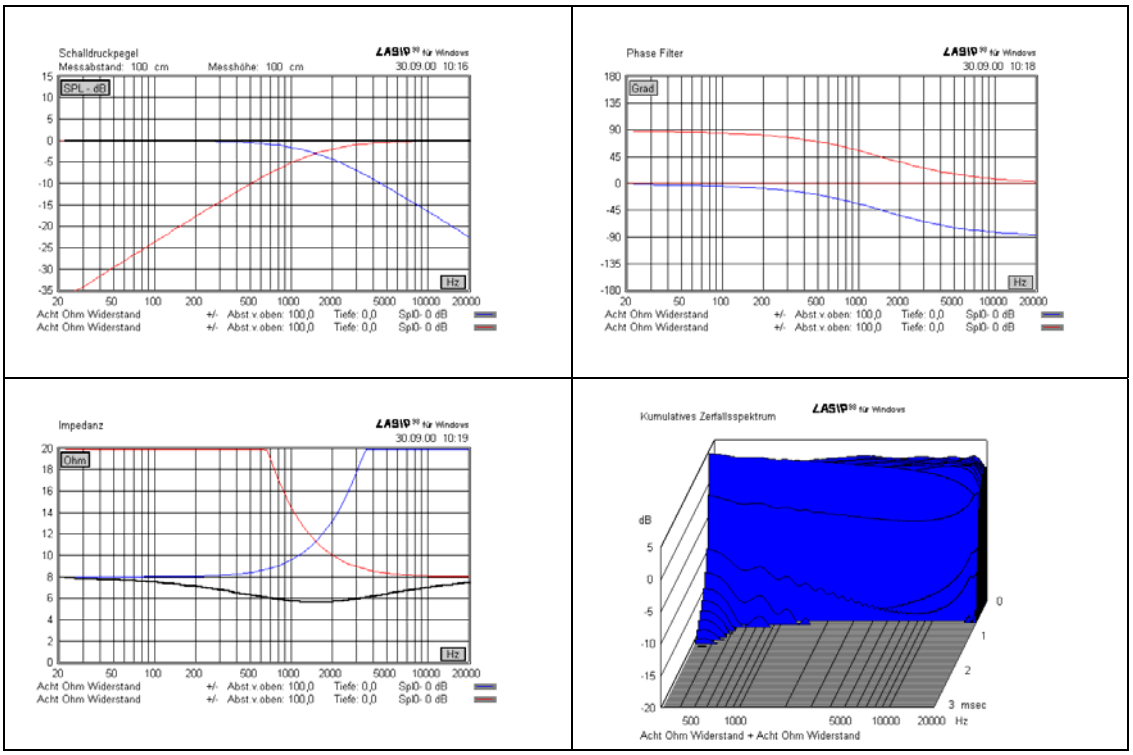
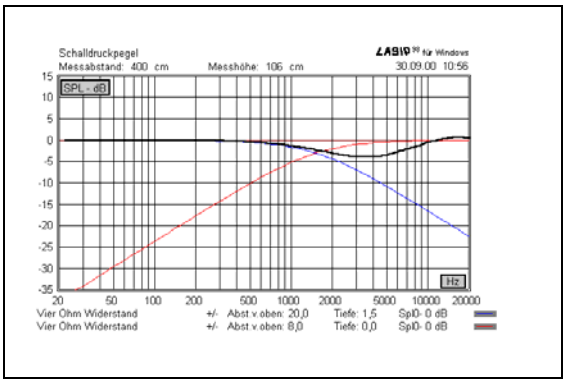
Anhang A 1 – Filter 1.Ordnung nach Butterworth Q = 0,707 symm. 6dB/Oktave f_{trenn} =1500Hz an R = 4ohm HT+ an +



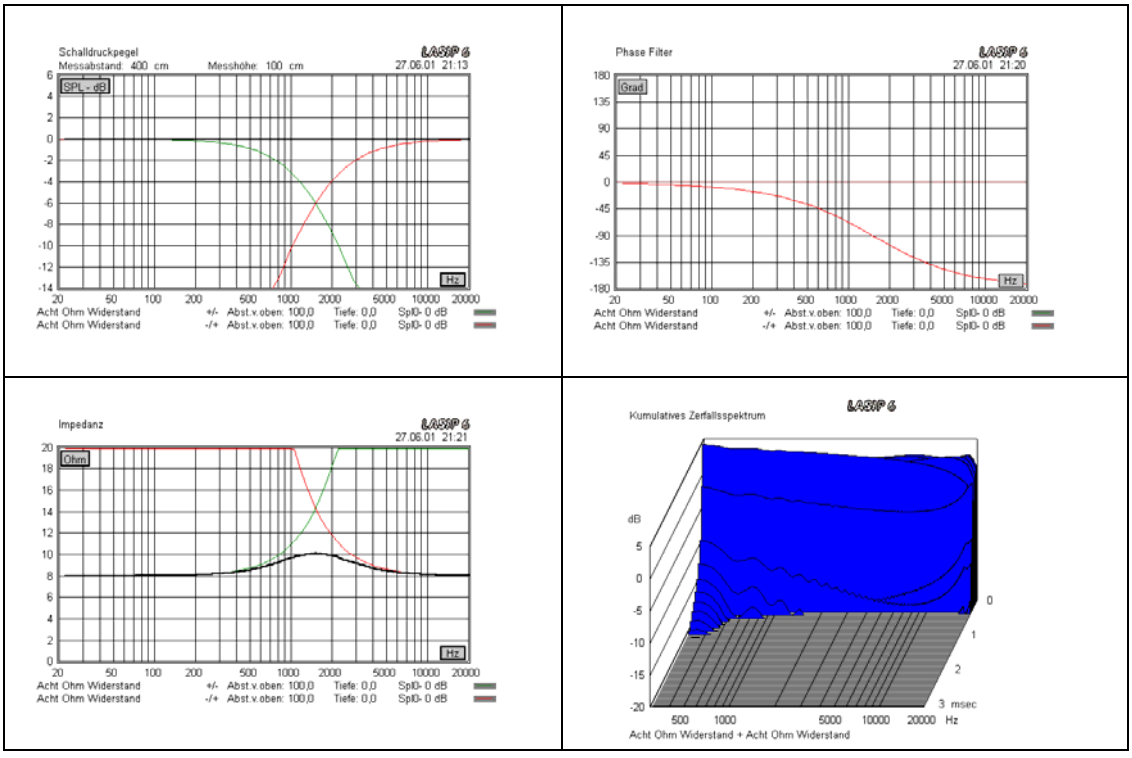
Anhang A 2 – Filter 1.Ordnung nach Butterworth Q = 0,707 symm. 6dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +



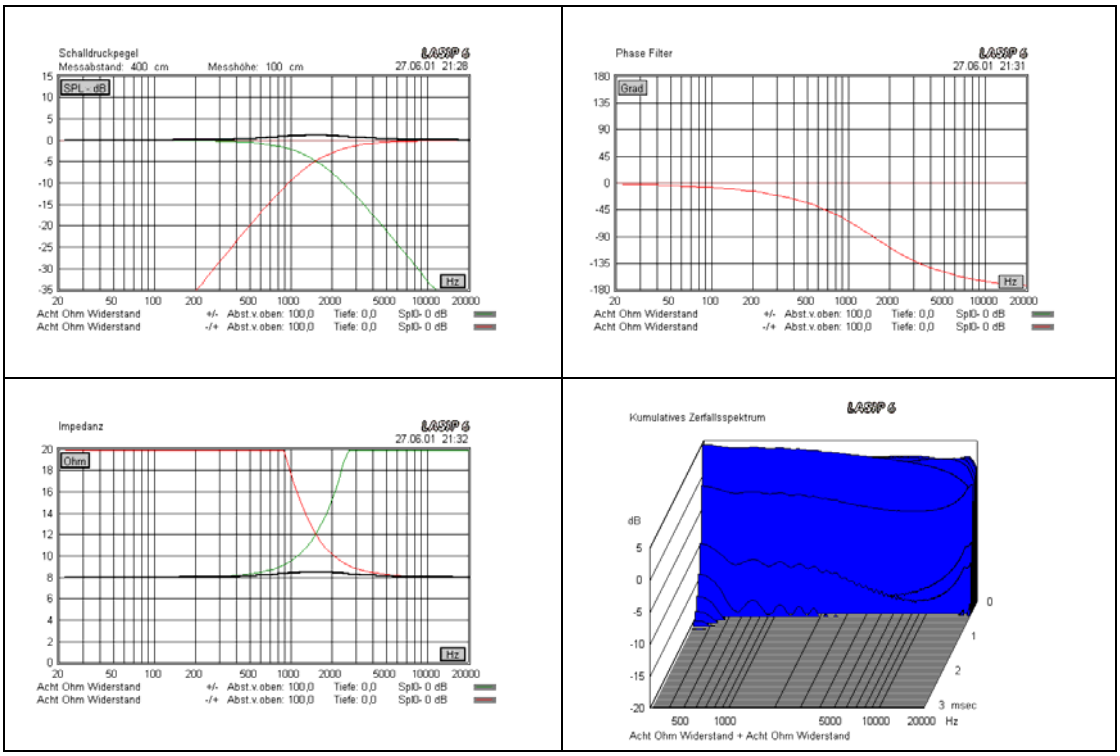
Anhang A 3 wie Anhang A 1 aber mit horizontalen –1,5cm u. vertikalen 12cm Versatz



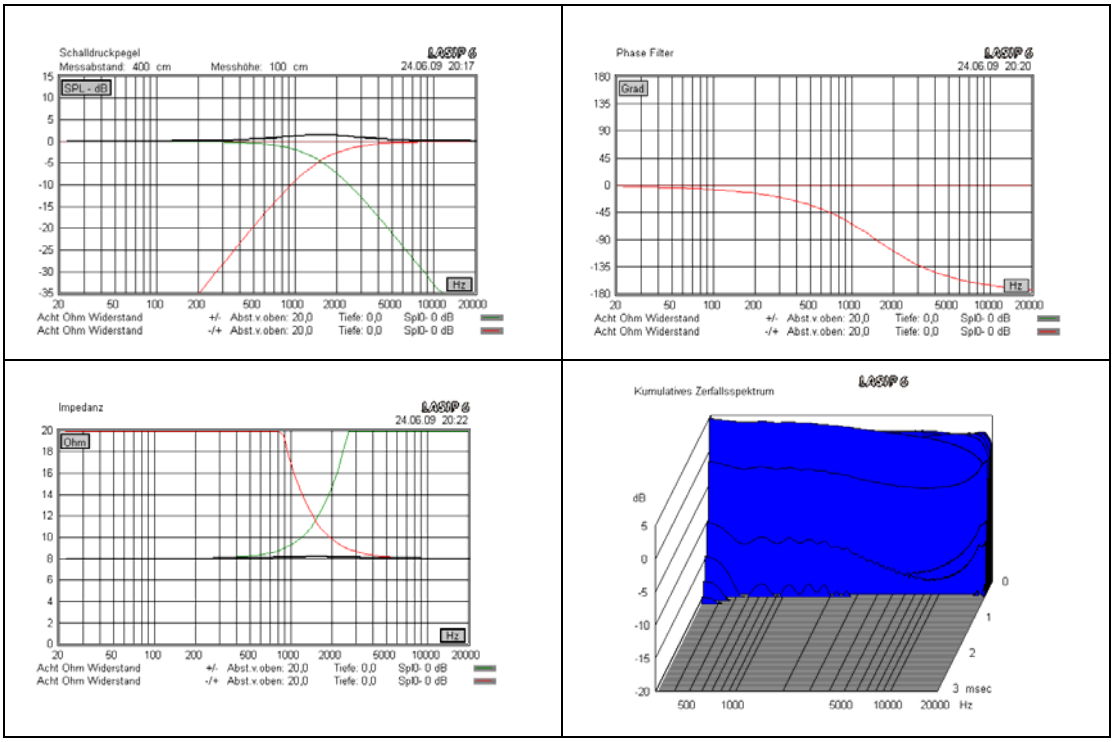
Anhang A 4 – Filter 2.Ordnung mit Q = 0,500 symm. 12dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an -



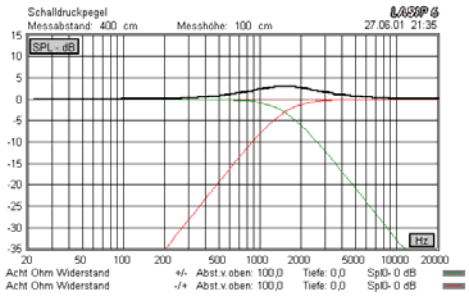
Anhang A 5 – Filter 2.Ordnung nach Bessel Q = 0,577 symm. 12dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an –

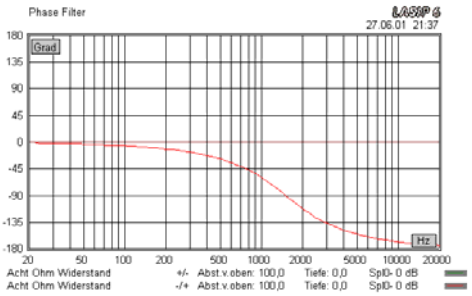


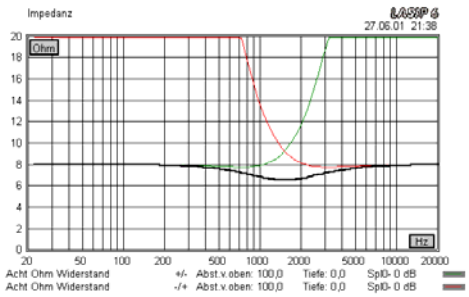
Anhang A 6 – Filter 2.Ordnung Equal-Compromise Q = 0,600 symm. 12dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an –

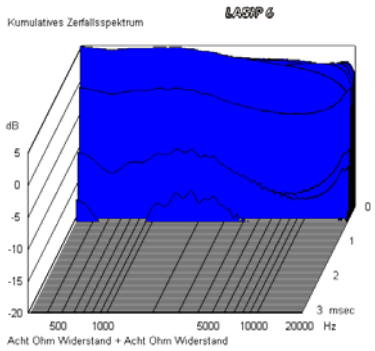


Anhang A 7 – Filter 2.Ordnung nach Butterworth Q = 0,707 s ymm. 12dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an –

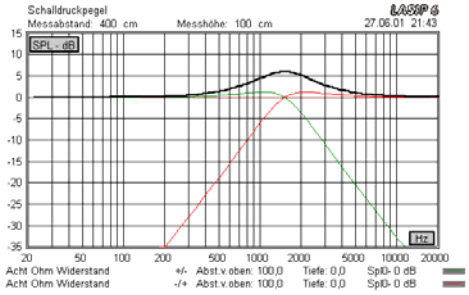


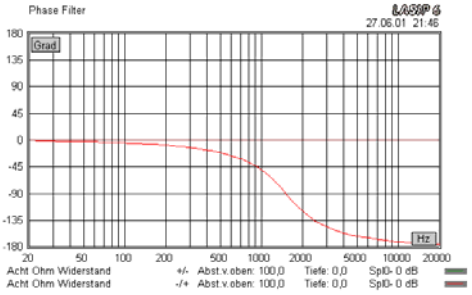


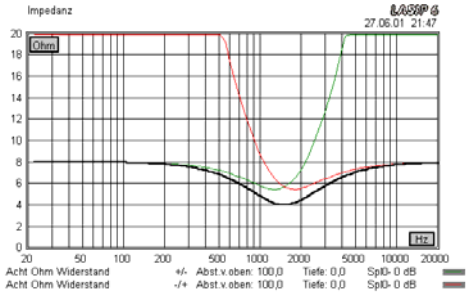


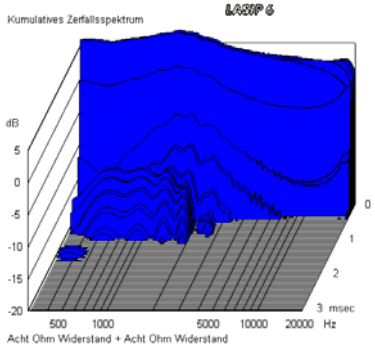


Anhang A 8 – Filter 2.Ordnung nach Chebychev Q = 1,000 symm. 12dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an –

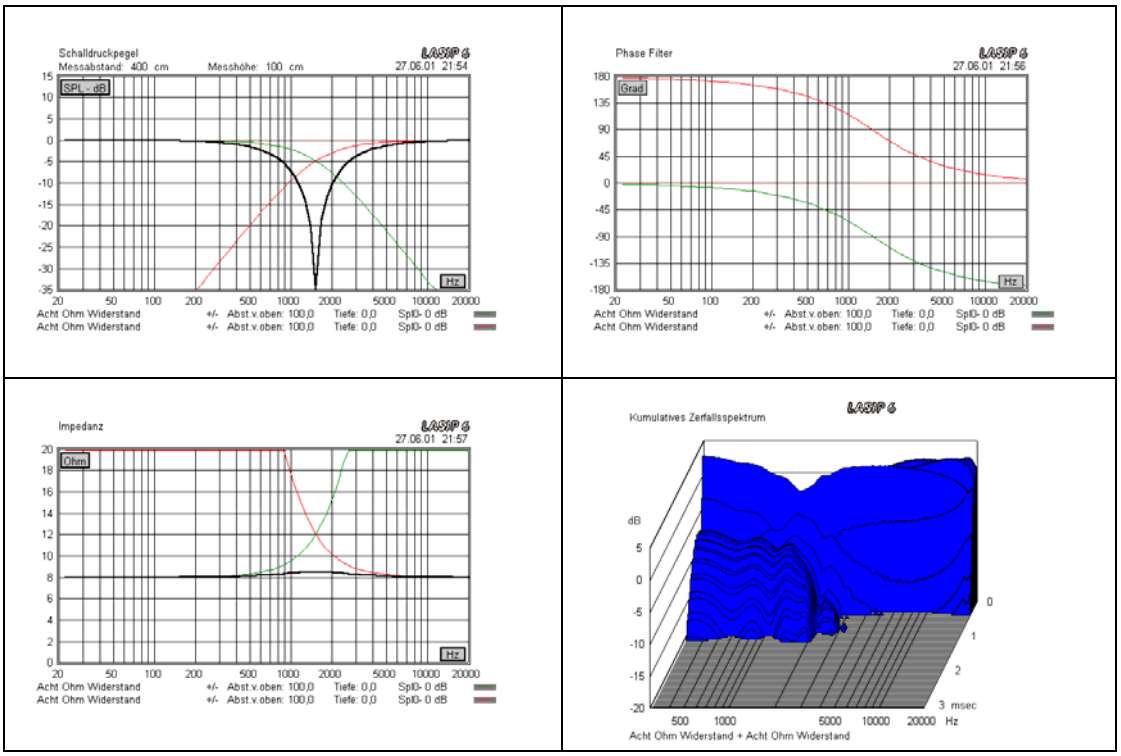




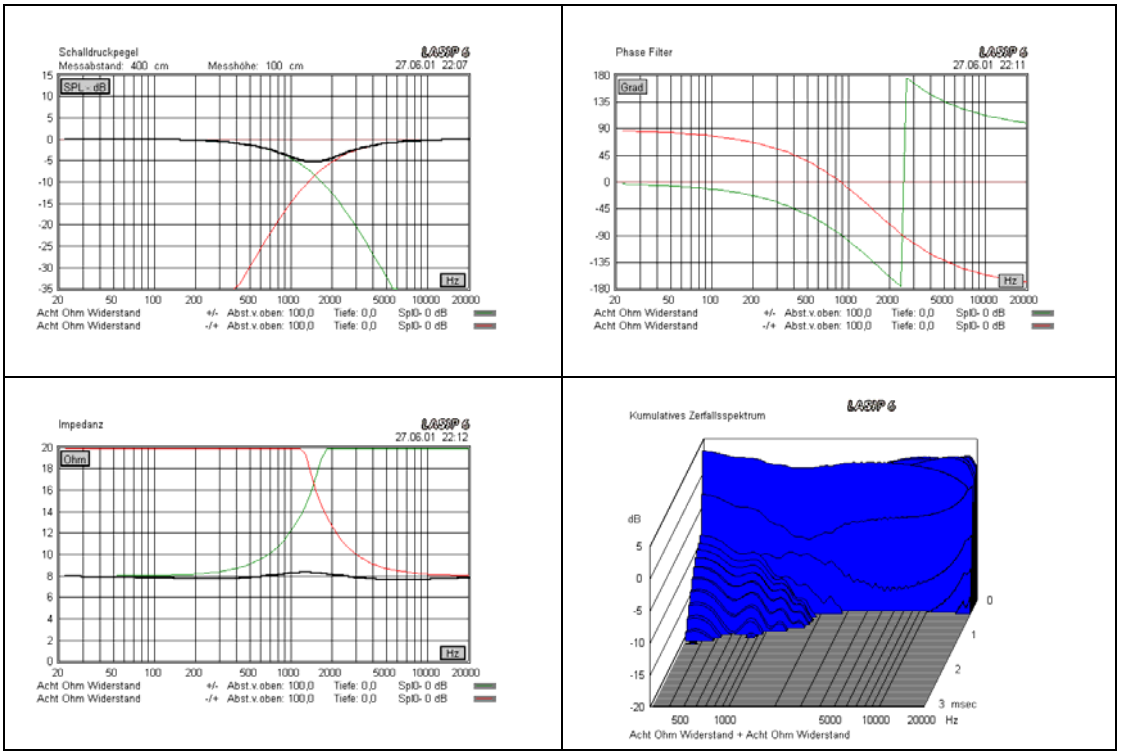




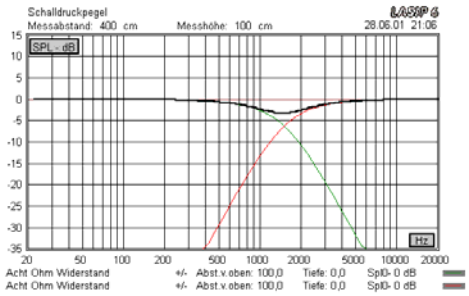
Anhang A 9 – Filter 2.Ordnung nach Bessel Q = 0,577 symm. 12dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

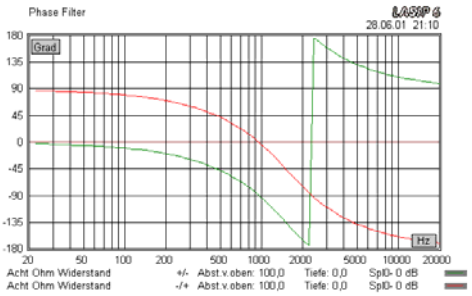


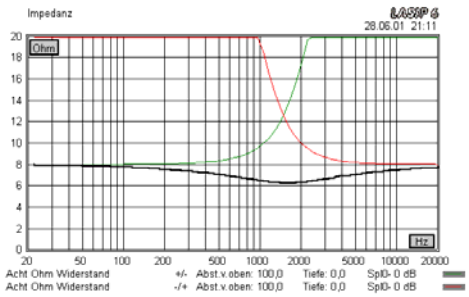
Anhang A 10 – Filter 3.Ordnung mit Q = 0,500 symm. 18dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an –

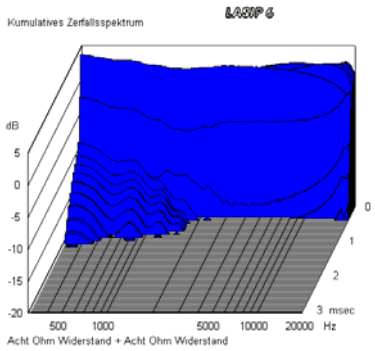


Anhang A 11 – Filter 3.Ordnung nach Bessel Q = 0,577 symm. 18dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an –

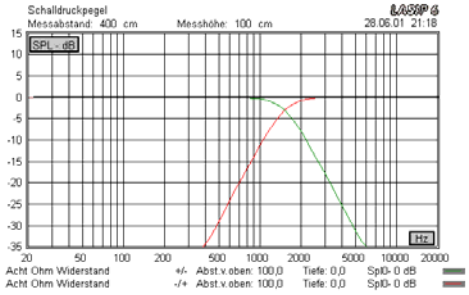


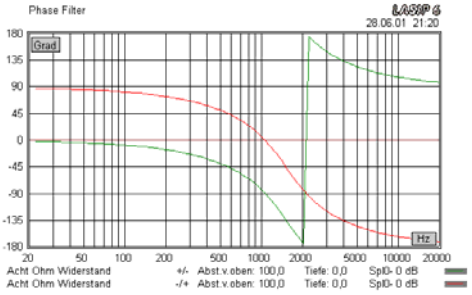


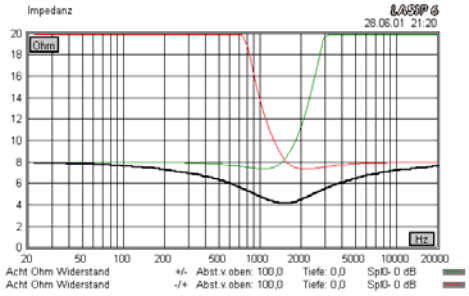


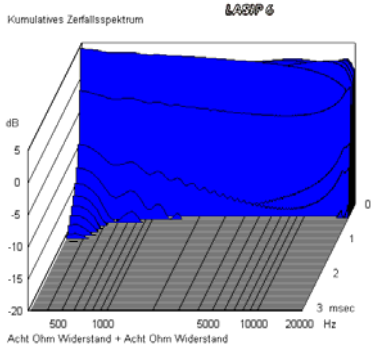


Anhang A 12 – Filter 3.Ordnung nach Butterworth Q = 0,707 symm. 18dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an –

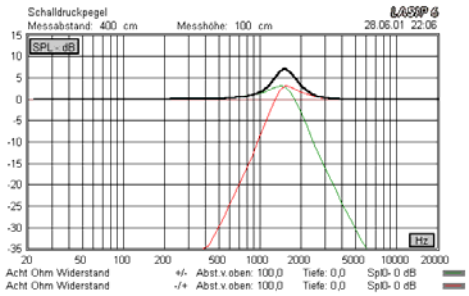


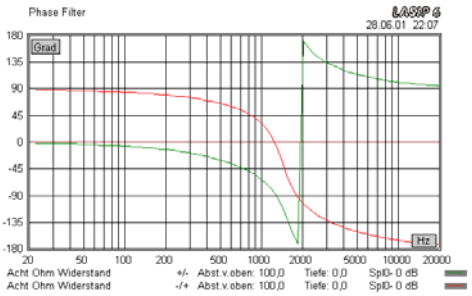


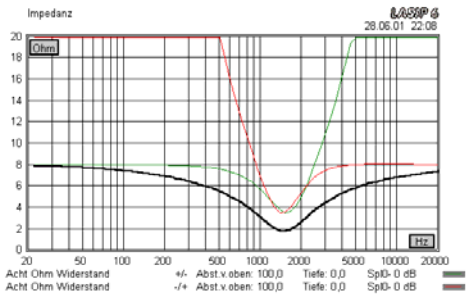


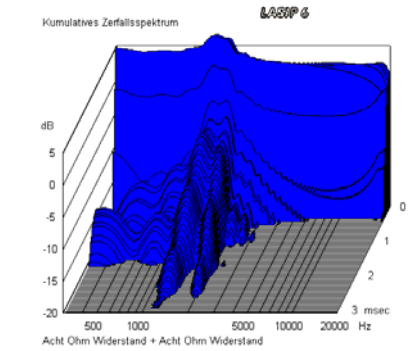


Anhang A 13 – Filter 3.Ordnung nach Chebychev Q = 1,000 symm. 18dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an –

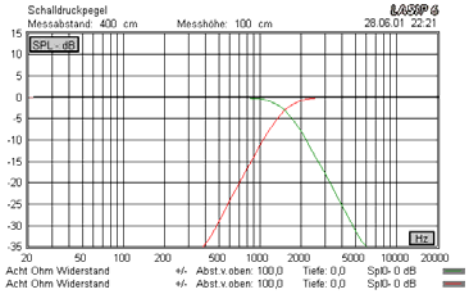


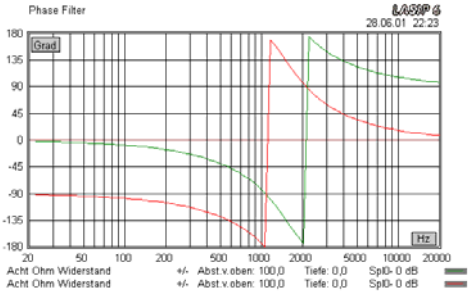


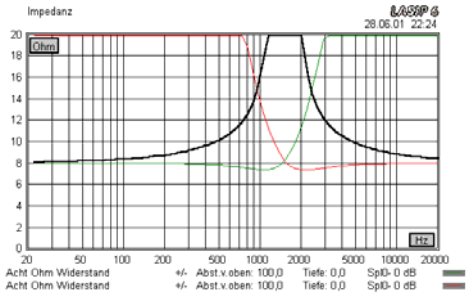


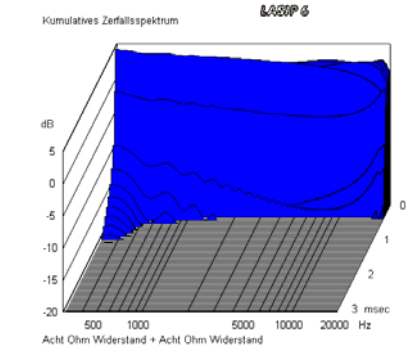


Anhang A 14 – Filter 3.Ordnung nach Butterworth Q = 0,707 symm. 18dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

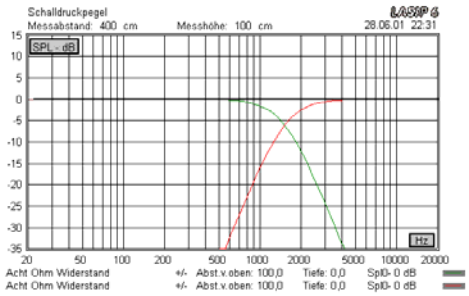


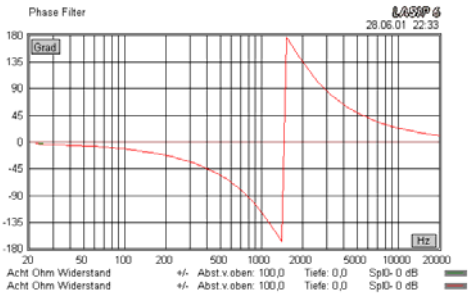


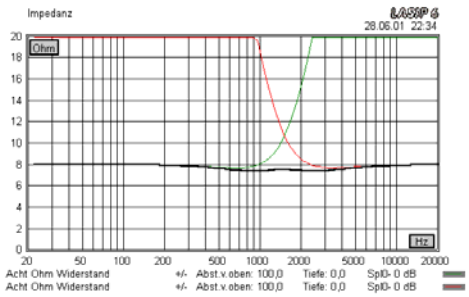


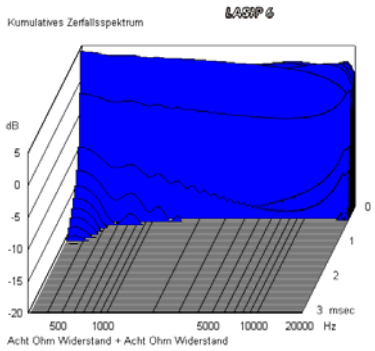


Anhang A 15 – Filter 4.Ordnung nach Linkwitz-Riley Q = 0,500 symm. 24dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

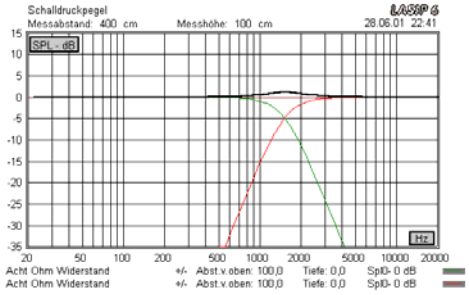


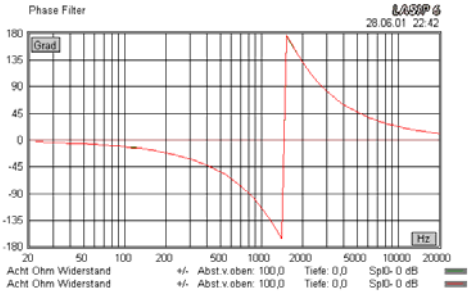


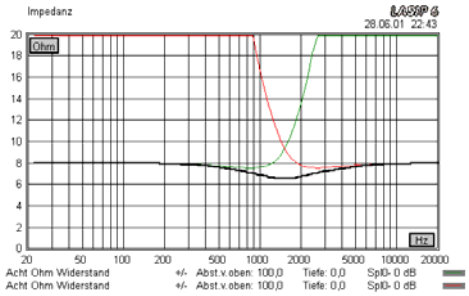


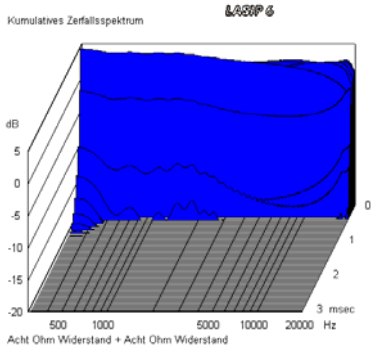


Anhang A 16 – Filter 4.Ordnung nach Bessel Q = 0,577 symm. 24dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

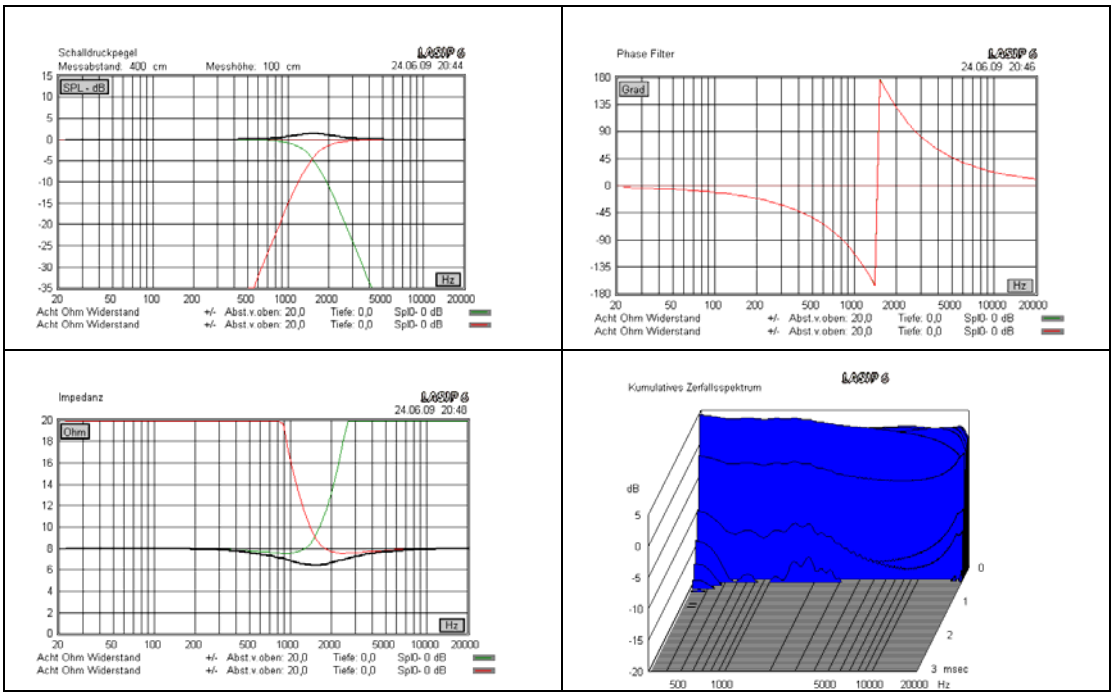




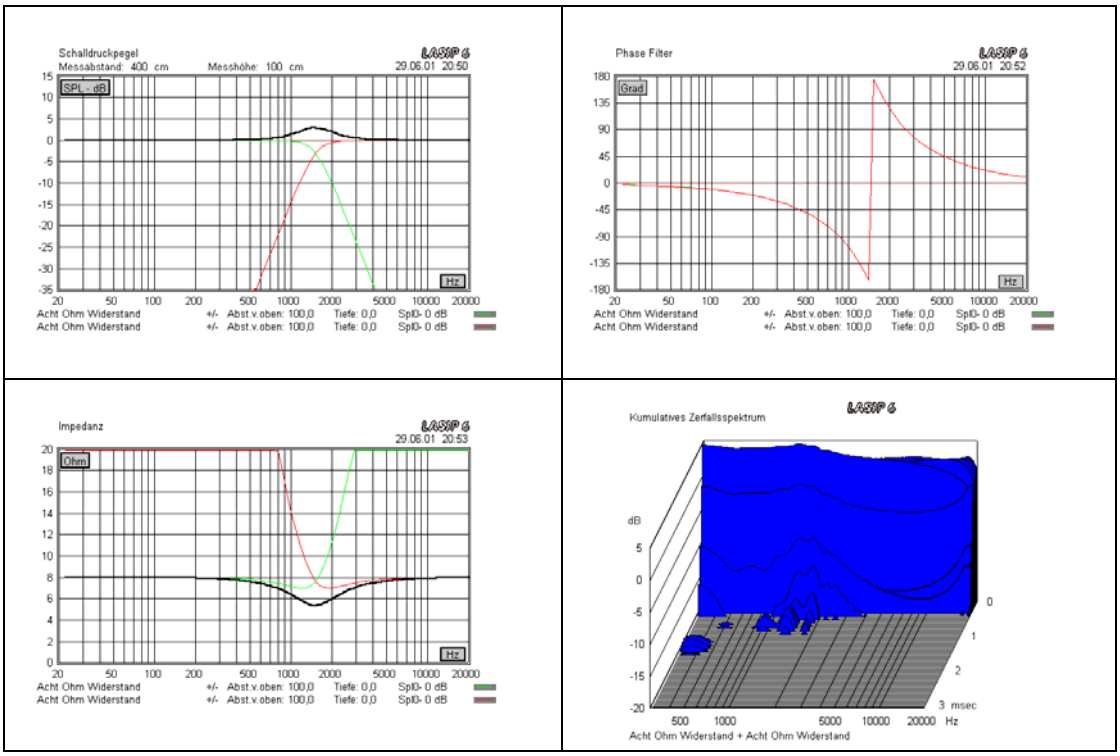




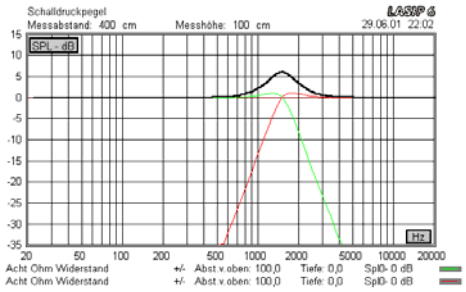
Anhang A 17 – Filter 4.Ordnung Equal-Compromise Q = 0,600 symm. 24dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

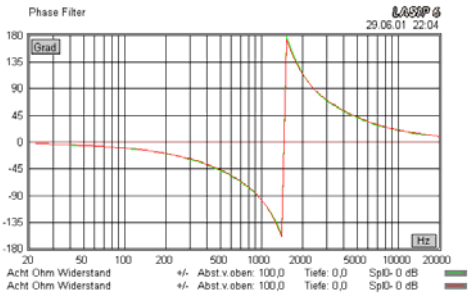


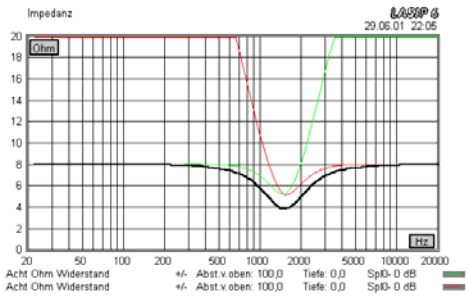
Anhang A 18 – Filter 4.Ordnung nach Butterworth Q = 0,707 symm. 24dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

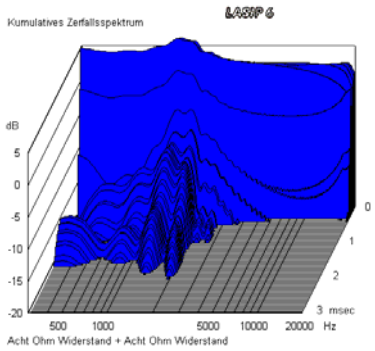


Anhang A 19 – Filter 4.Ordnung nach Chebychev Q = 1,000 symm. 24dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

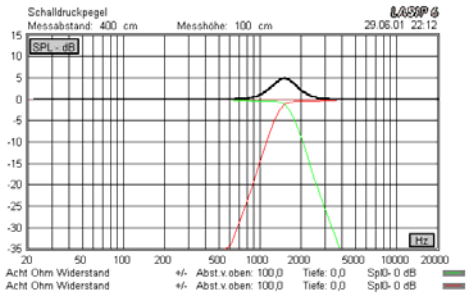


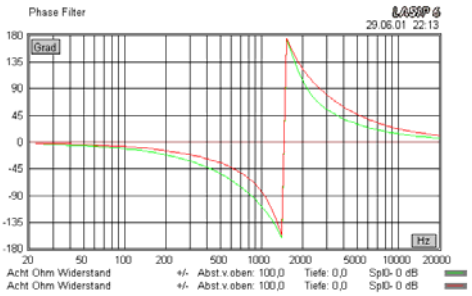


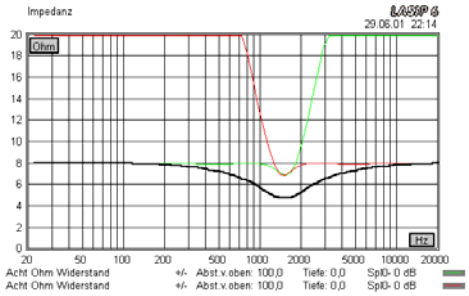


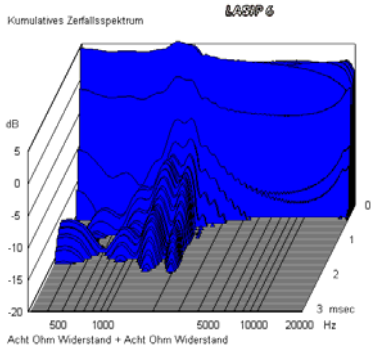


Anhang A 20 – Filter 4.Ordnung nach Legendre Q = ? symm. 24dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

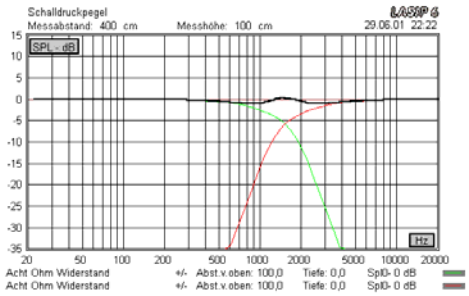


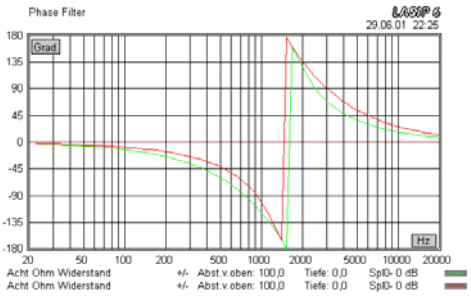


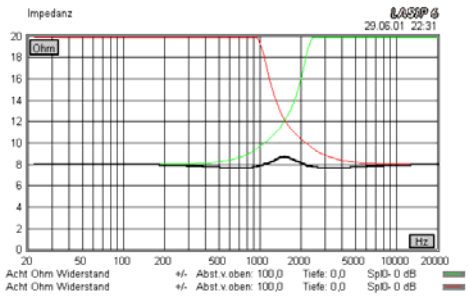


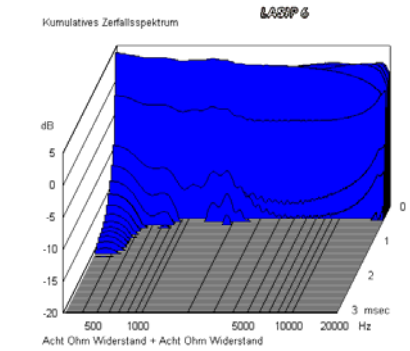


Anhang A 21 – Filter 4.Ordnung nach Gauss Q = ? symm. 24dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

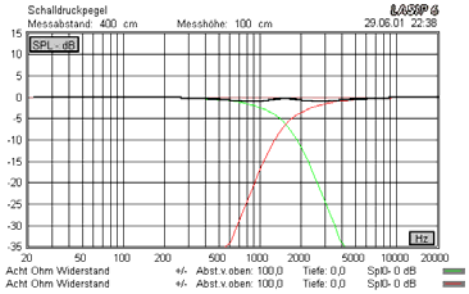


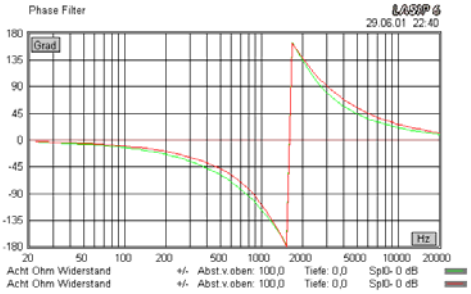


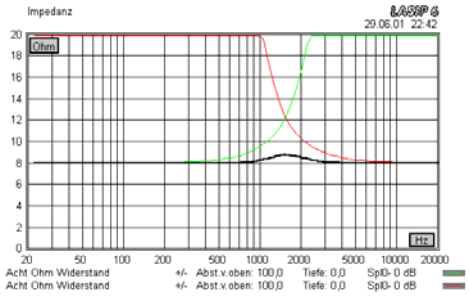


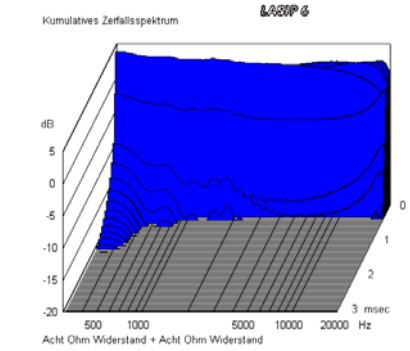


Anhang A 22 – Filter 4.Ordnung nach Linear-Phase Q = ? symm. 24dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an +

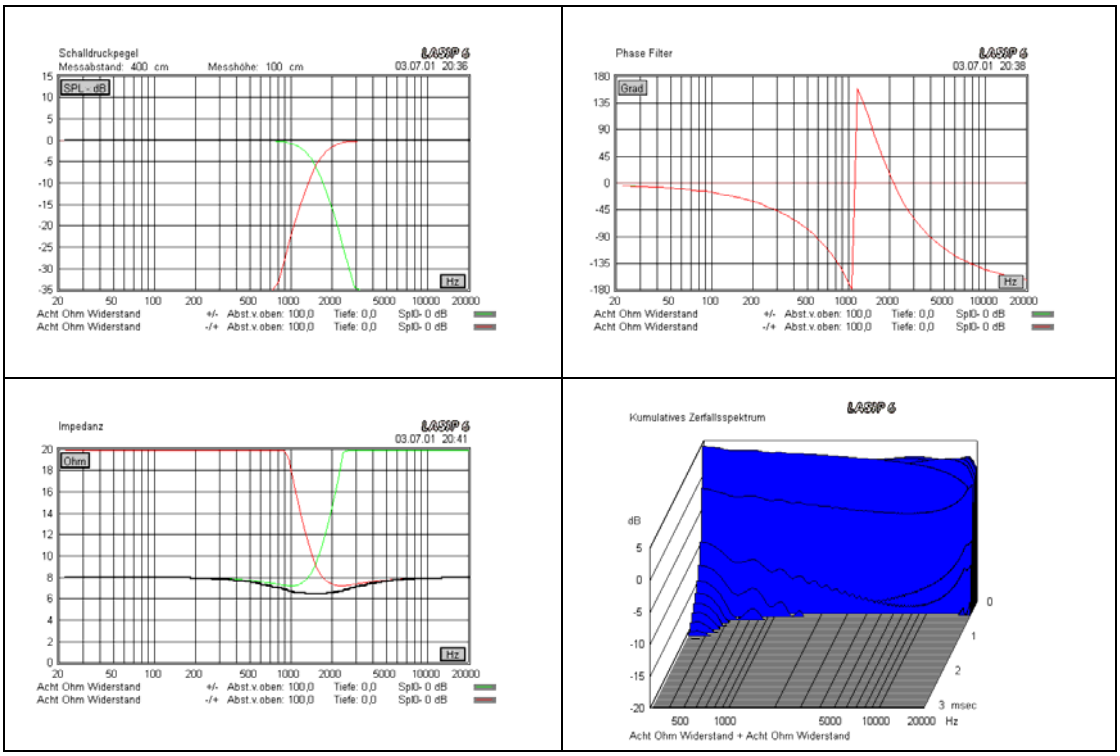




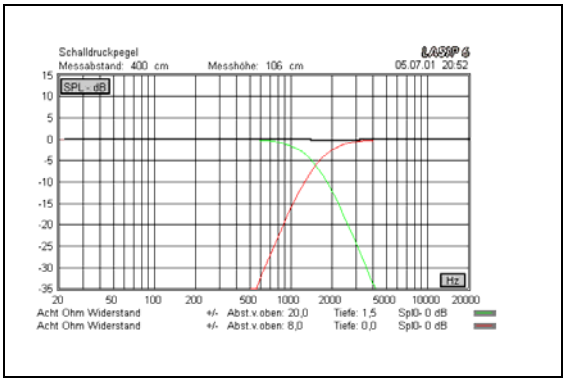




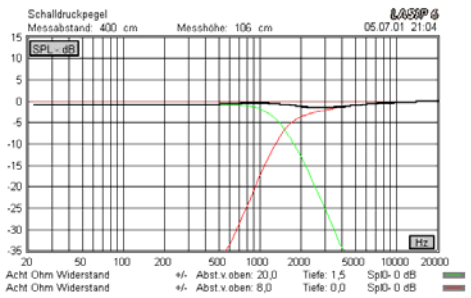
Anhang A 23 – Filter 6.Ordnung nach Linkwitz-Riley Q = 0,500 symm. 36dB/Oktave f_{trenn} =1500Hz an R = 8ohm HT+ an –

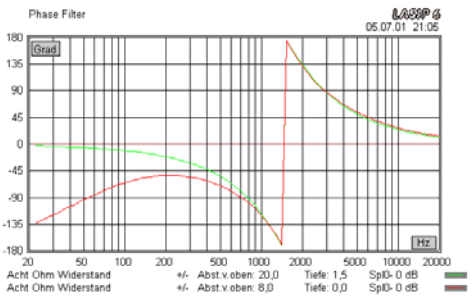


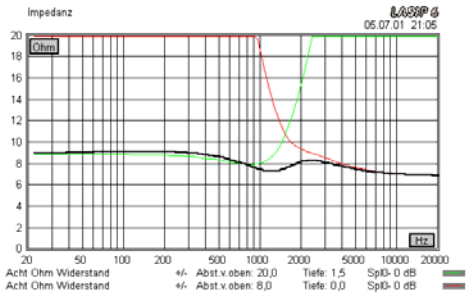
Anhang A 24 – Filter 4.Ordnung nach Linkwitz-Riley wie in A 14 aber horizontalen –1,5cm u. vertikalen 12cm Versatz

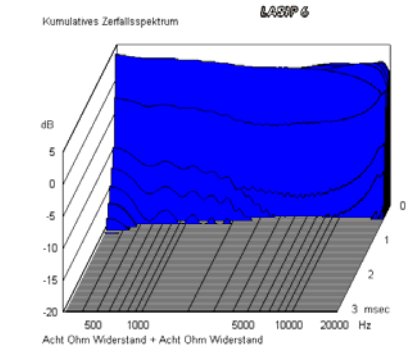


Anhang A 25 – Filter 4.Ordnung nach Linkwitz-Riley wie in A 21 mit realistischen DC-Spulen-Widerständen (0,35;0,5;0,4;0,5ohm)+ 47ohm parallel zum Hochtöner









Anhang A 26 – Filter 4.Ordnung nach Linkwitz-Riley wie in A 22 aber mit Erhöhung der 1.Spule TP auf 0,9ohm und Absenkung HT um –1,4dB mit 1,2ohm/47ohm <Kompromiss zwischen Phase und Ausschwingen>