

Misurazioni uscita alimentatore:

(spettro 75 Hz – 45 kHz – la scala verticale è relativa, non assoluta)

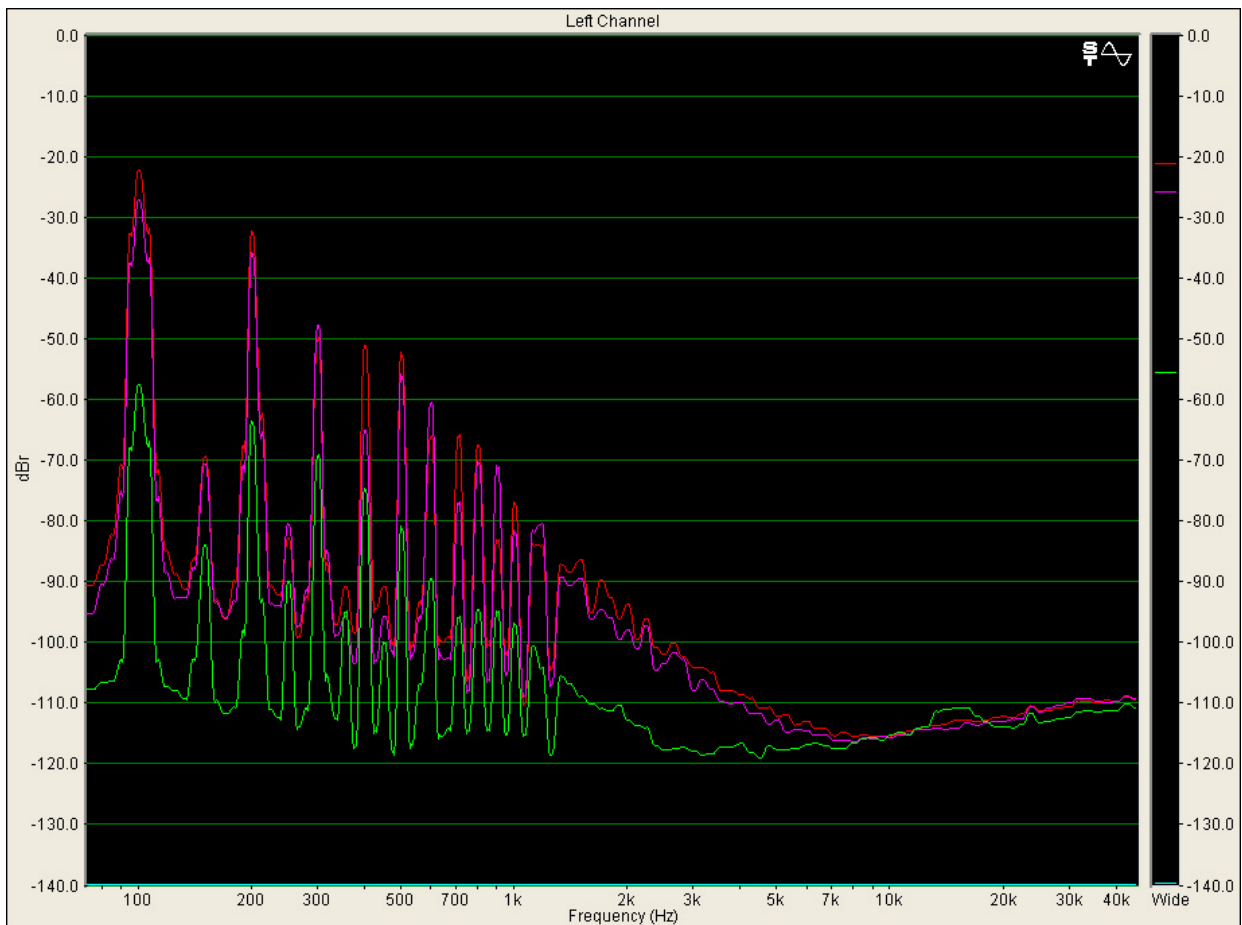


Fig. 1

$C_F = 2200\mu F$

- senza carico (verde)
- $I_{out} = 200\text{mA}$ (viola)
- $I_{out} = 400\text{mA}$ (rosso)

Misurazioni seguenti con $I_{out} = 400\text{ mA}$

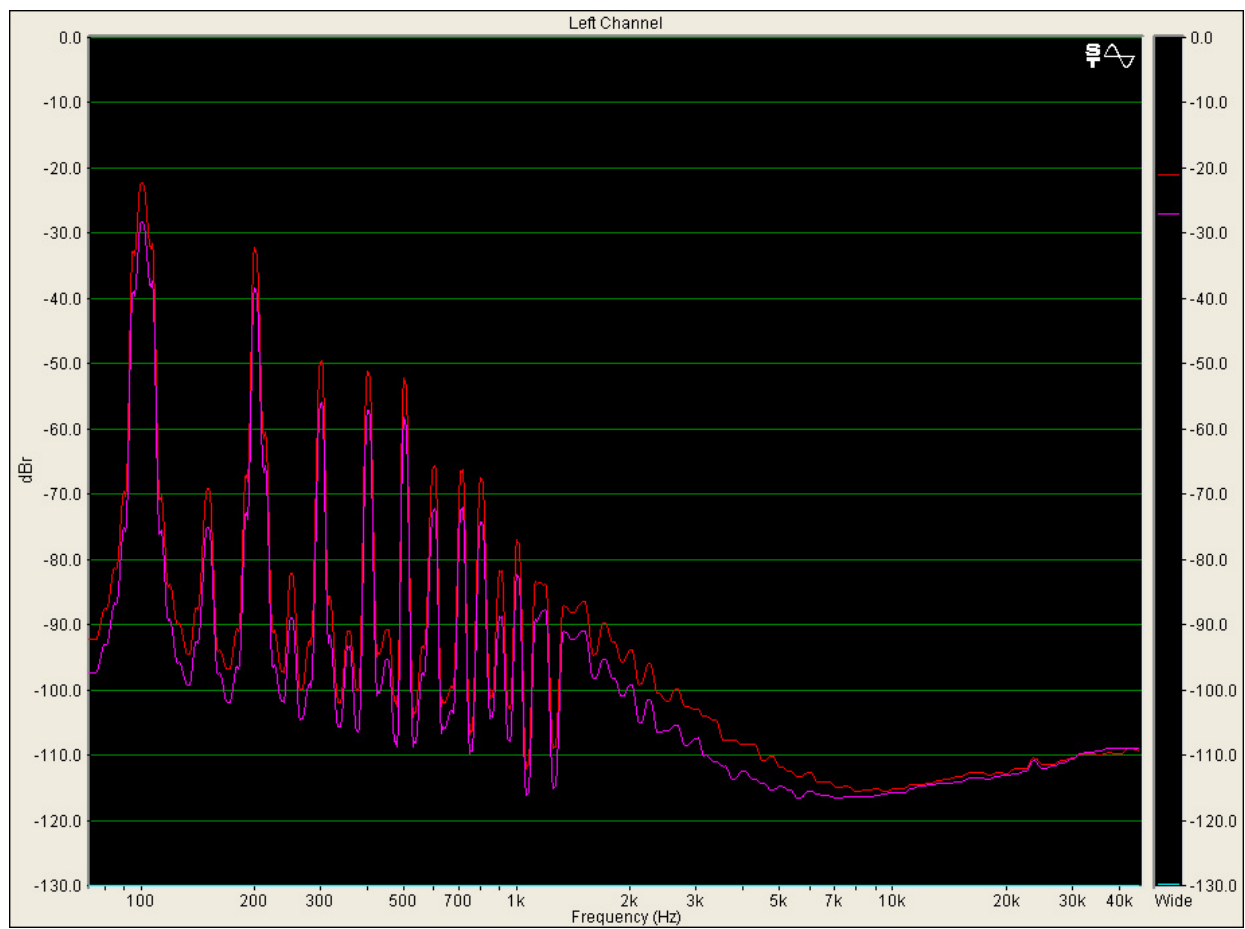


Fig. 2

$C_F = 2200\mu\text{F}$ (rosso)

$C_F = 2 \times 2200\mu\text{F}$ (viola)

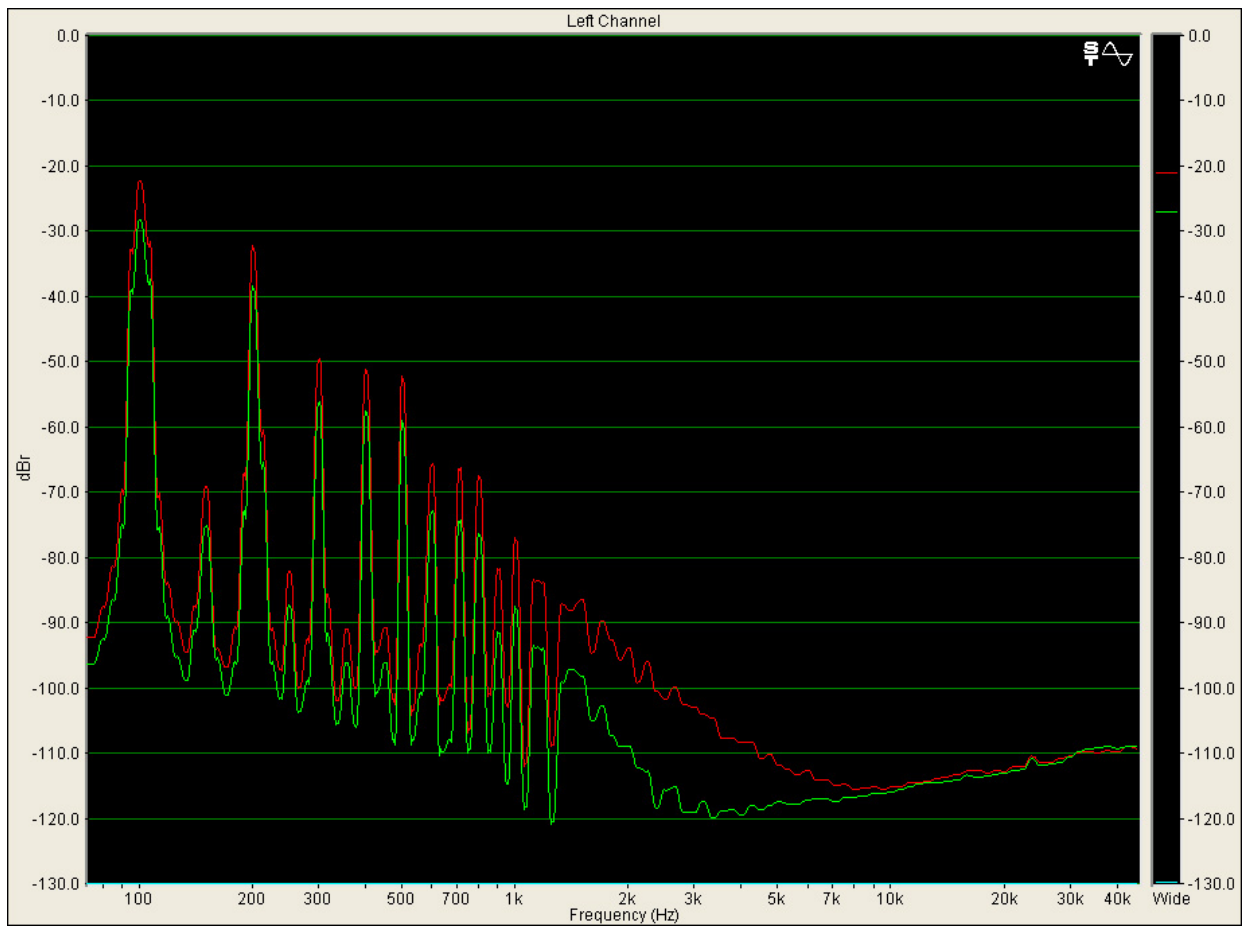


Fig. 3

$C_F = 2200\mu\text{F}$ (rosso)

$C\text{-CM_Choke-C}$, $C_F = 2 \times 2200\mu\text{F}$ (verde)

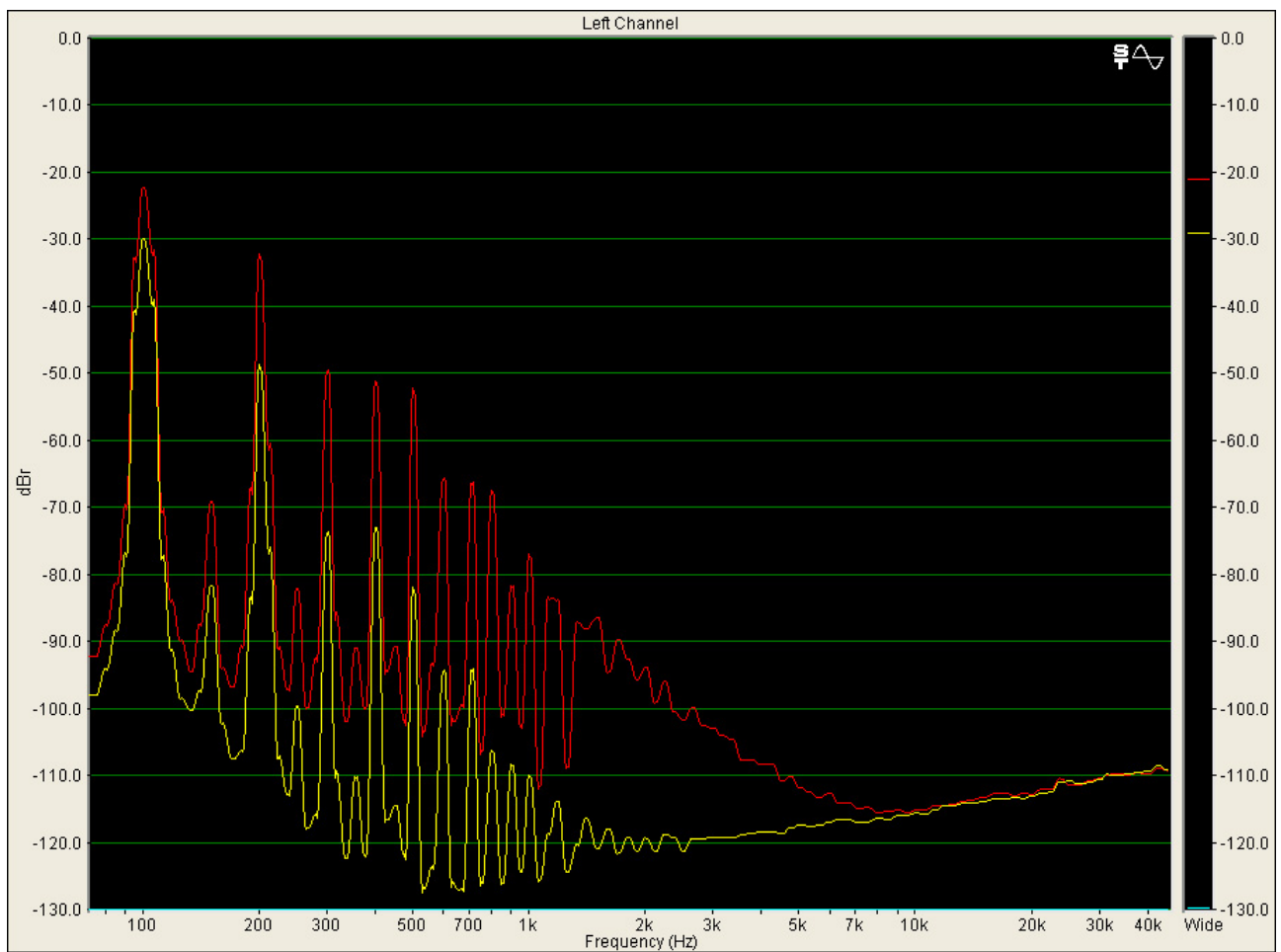


Fig. 4

$C_F = 2200\mu\text{F}$ (rosso)

C-L-C , $C_F = 2 \times 2200\mu\text{F}$, $L = 2.2\text{mH}$ (giallo)

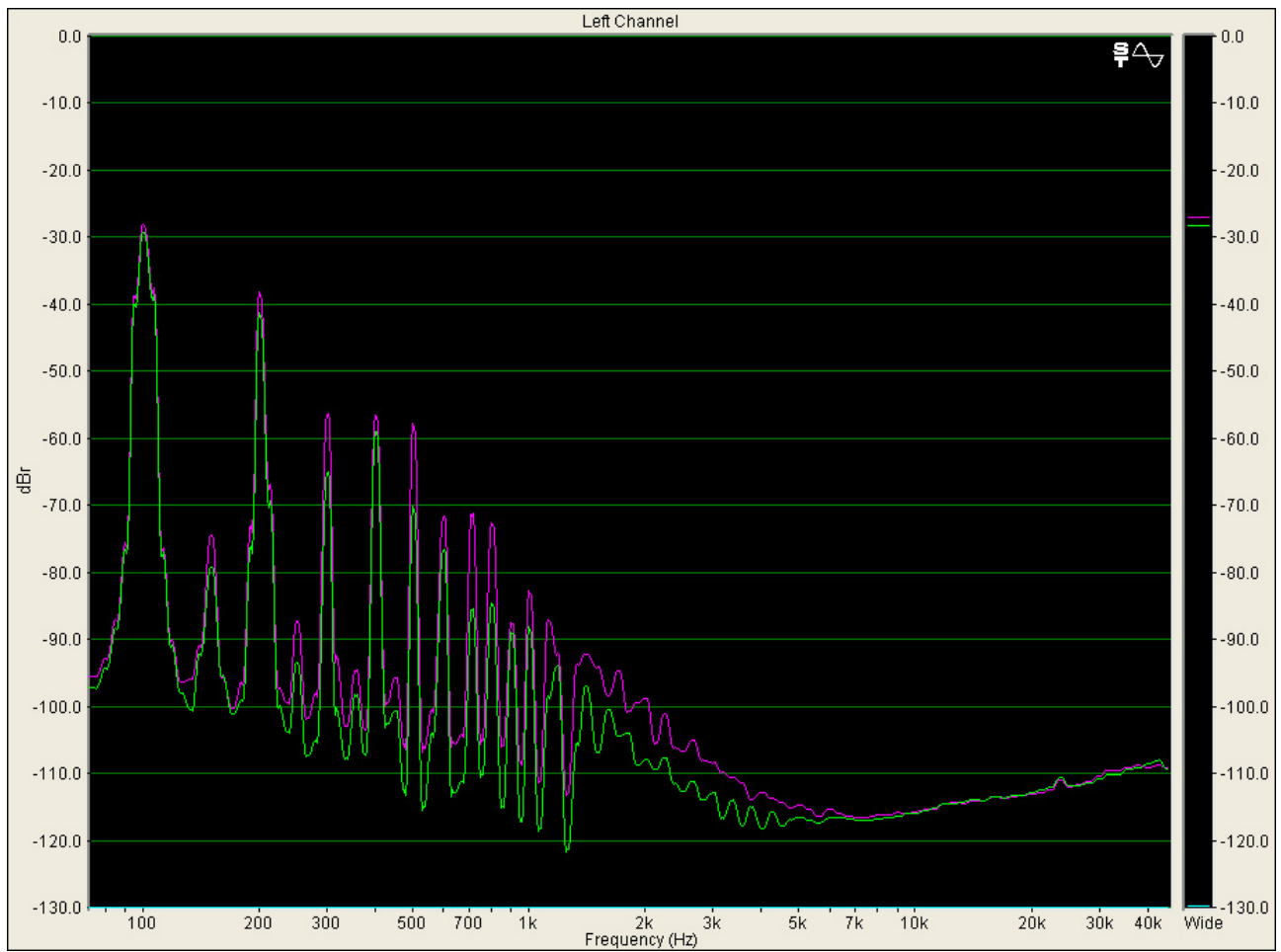


Fig. 5

$C_F = 2 \times 2200\mu\text{F}$ (viola)

L-C , $L = 2.2\text{mH}$, $C_F = 2 \times 2200\mu\text{F}$, (verde)

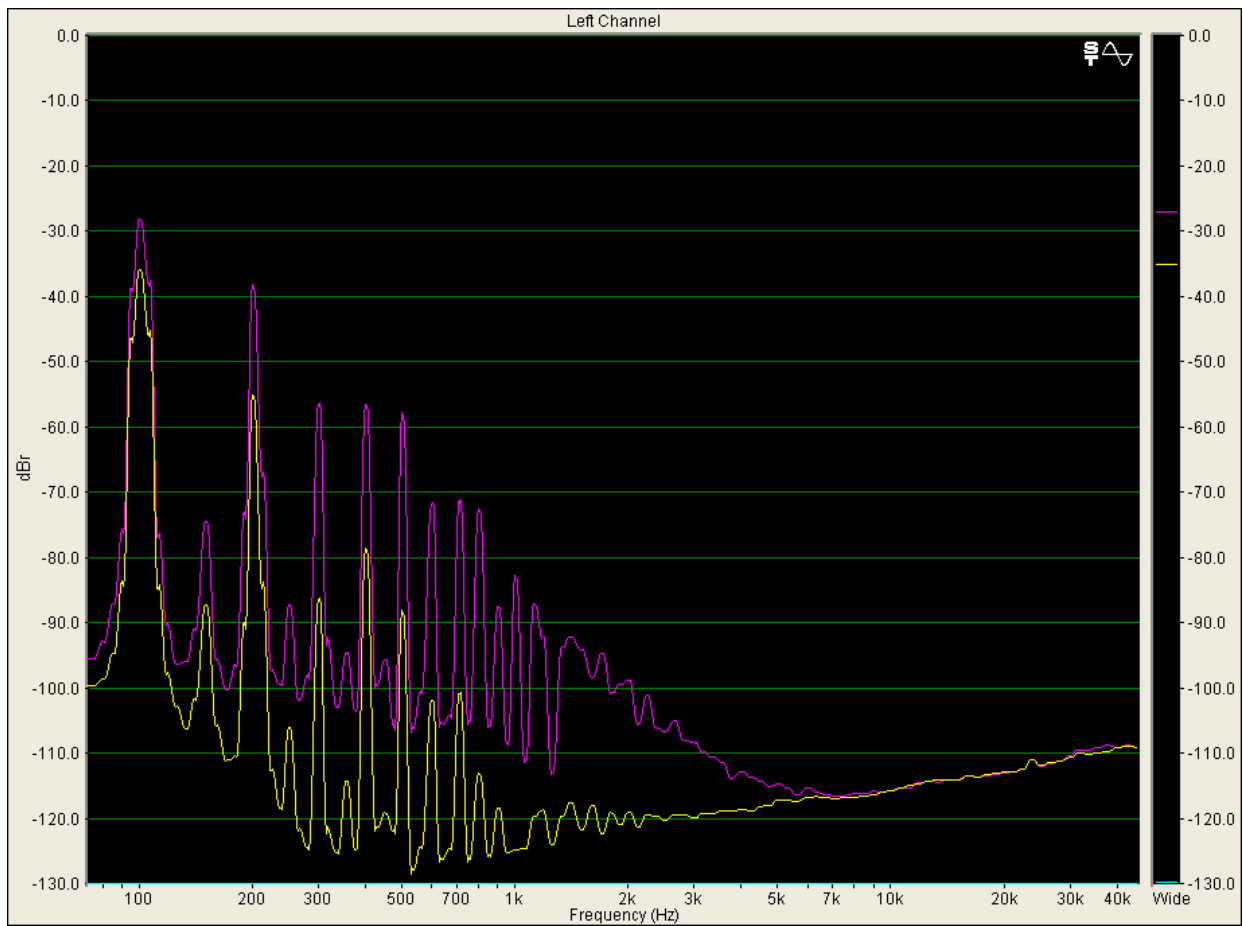


Fig. 6

$C_F = 2 \times 2200\mu\text{F}$ (viola)

C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 2 \times 2200\mu\text{F}$ (giallo)

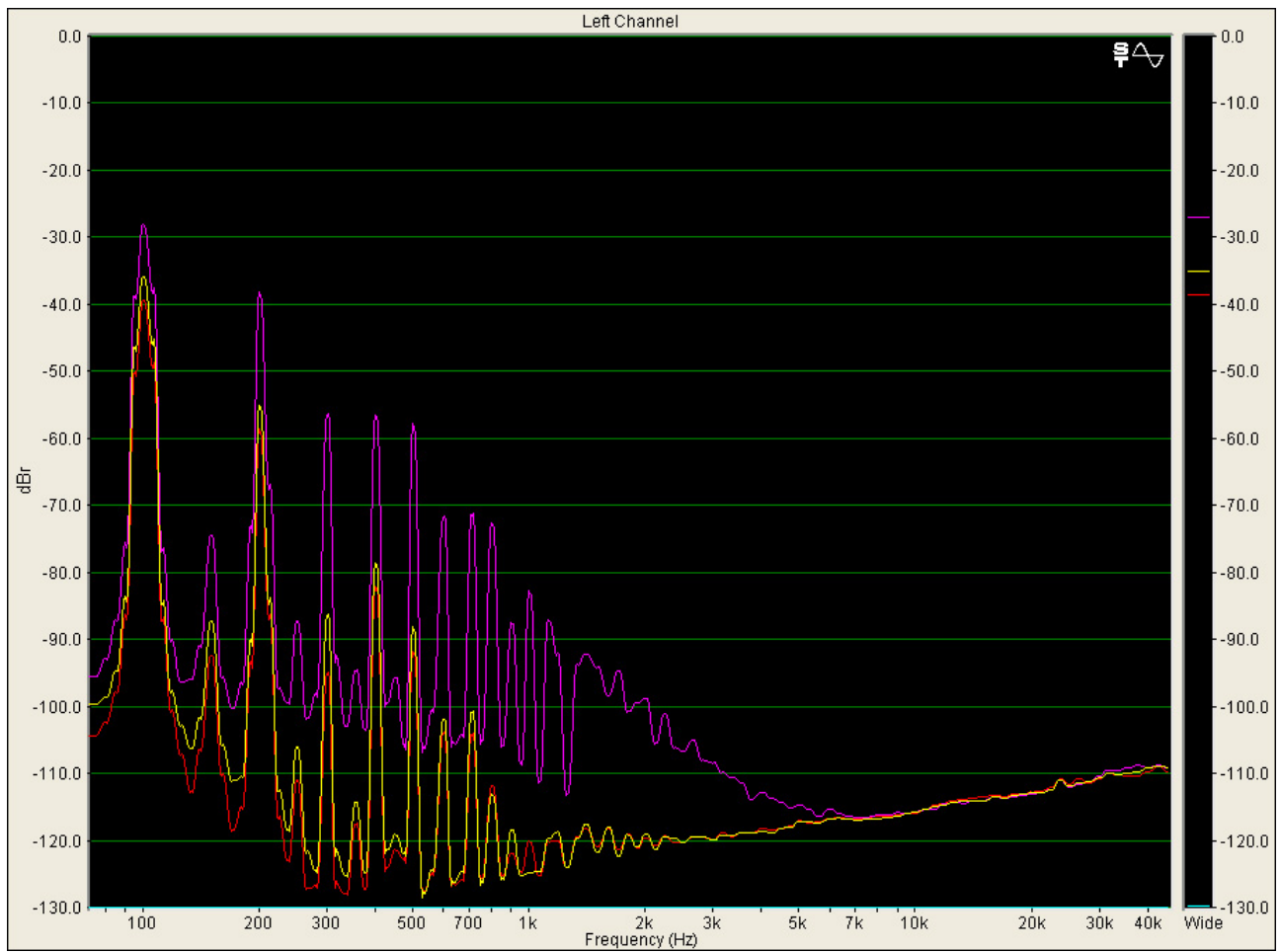


Fig. 7

$C_F = 2 \times 2200\mu\text{F}$ (viola)

C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 2 \times 2200\mu\text{F}$ (giallo)

C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 3 \times 2200\mu\text{F}$ (rosso)

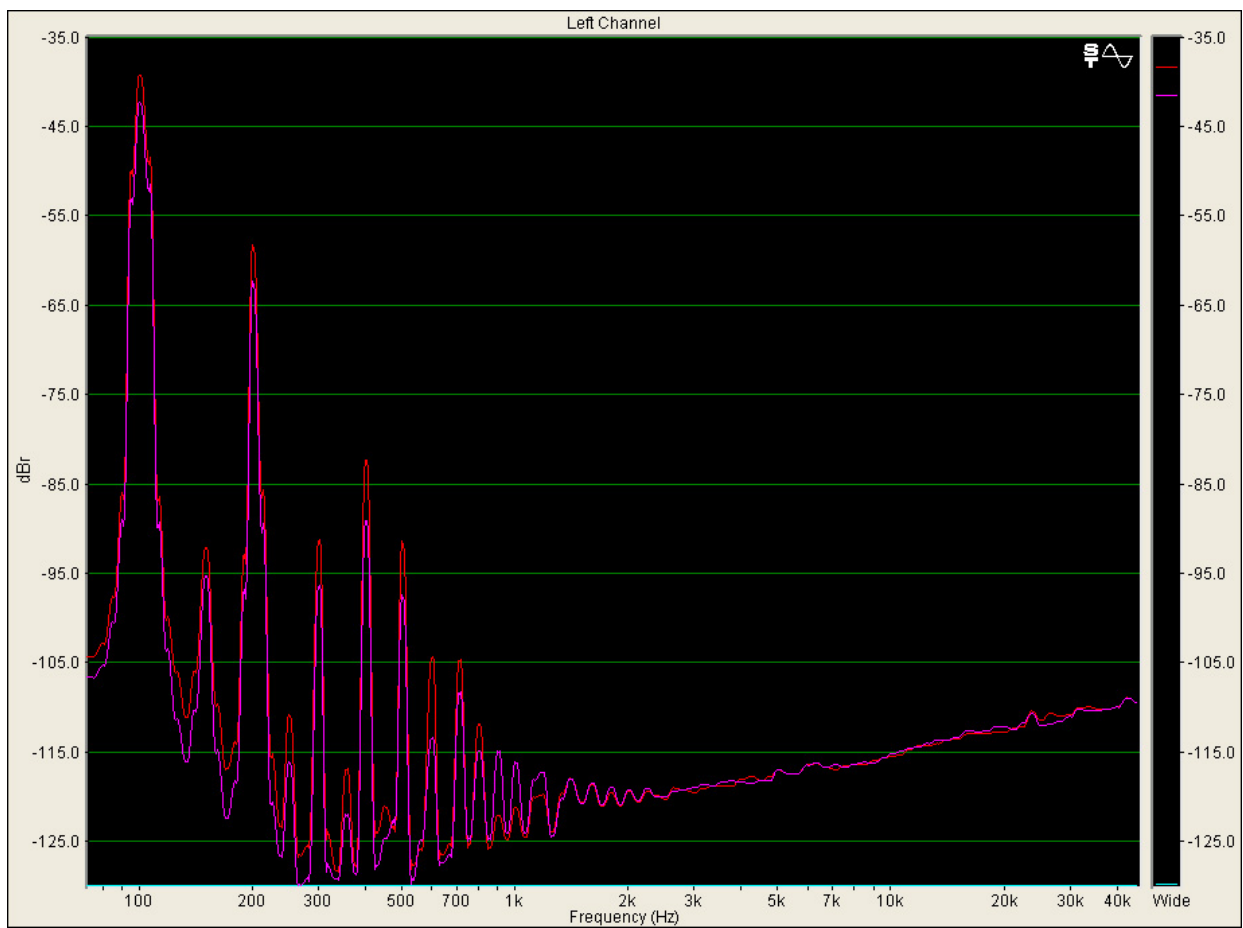


Fig. 8

C-L-C , $C_{F1} = 2200\mu F$, $L = 2.2mH$, $C_{F2} = 3 \times 2200\mu F$ (rosso)

C-L-C , $C_{F1} = 2200\mu F$, $L = 2.2mH$, $C_{F2} = 3 \times 2200\mu F$ + cavo twistato schermato 80 cm + filtro
ingresso $C_F = 2200\mu F$ (viola)

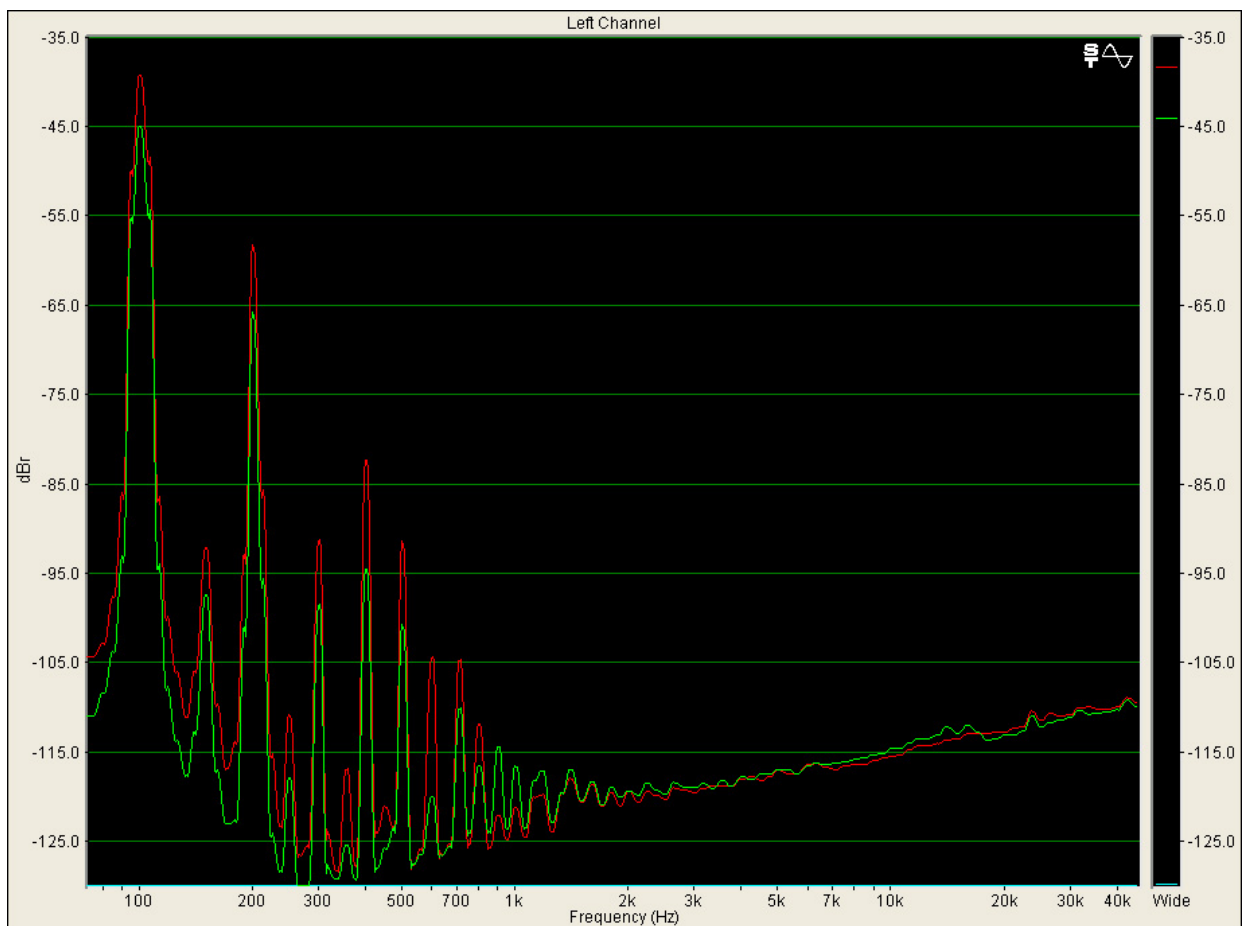


Fig. 9

C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 3 \times 2200\mu\text{F}$ (rosso)

C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 3 \times 2200\mu\text{F}$ + cavo twistato schermato 80 cm + filtro
ingresso CM_Choke-C , $C_F = 2200\mu\text{F}$ (verde)

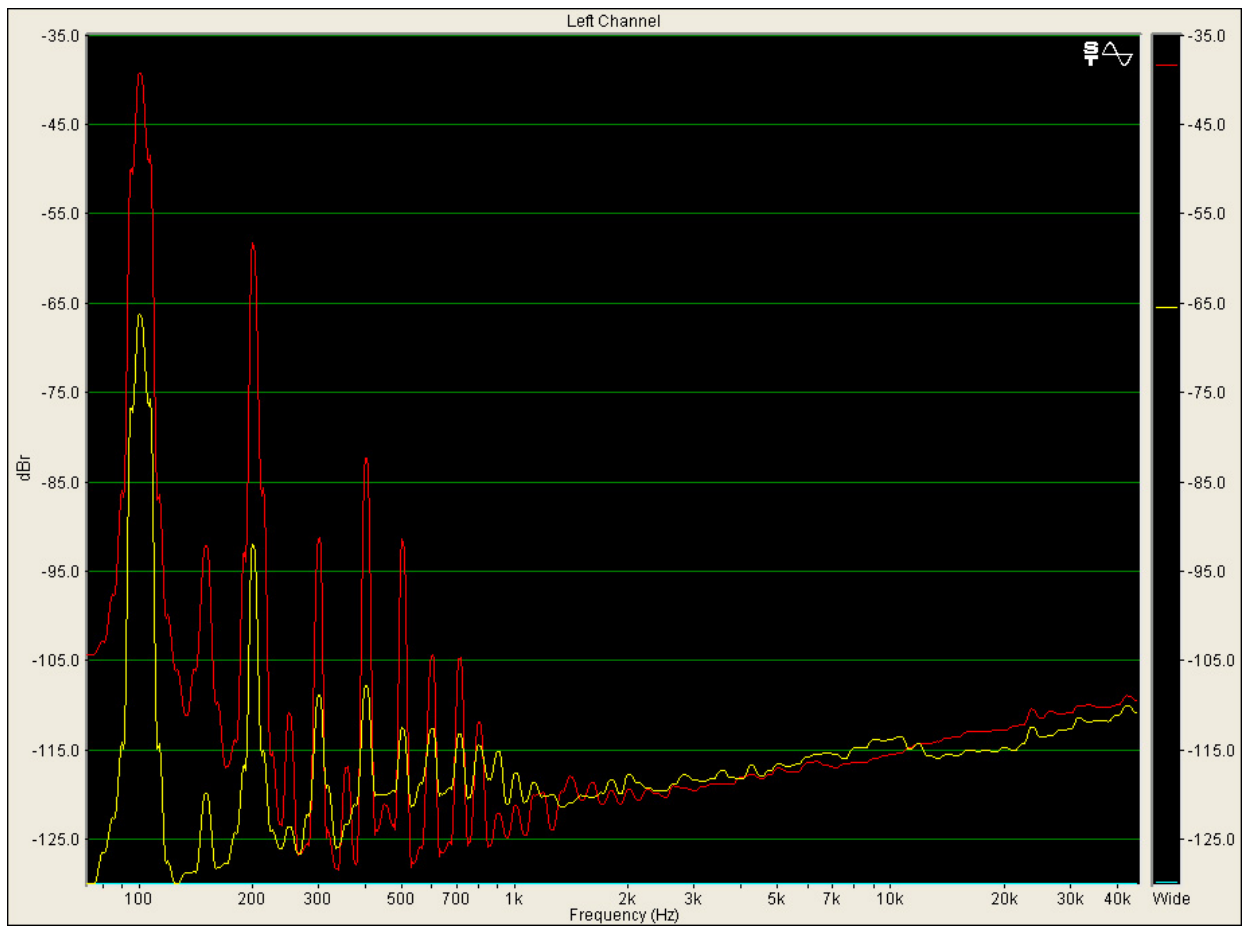


Fig. 10

C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 3 \times 2200\mu\text{F}$ (rosso)

C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 3 \times 2200\mu\text{F}$ + cavo twistato schermato 80 cm + filtro
ingresso CM_Choke-C-R-C , $C_F = 2 \times 2200 \mu\text{F}$, $R = 10 \text{ ohm}$ (giallo)

Filtri - funzione di trasferimento:

(Reference Line = -16dB)

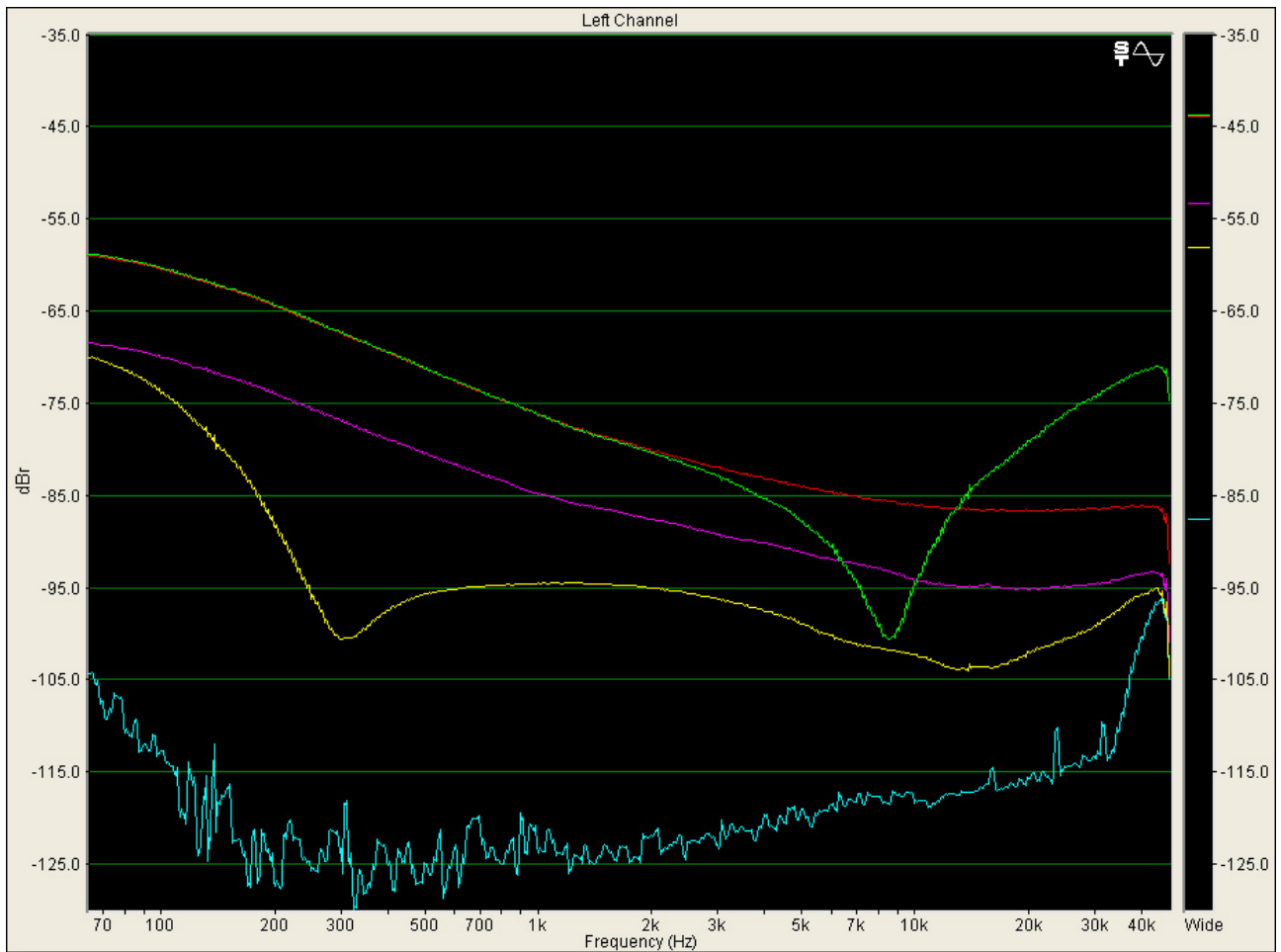


Fig. 11

rosso - $C_F = 2200\mu F$

viola - $C_F = 3 \times 2200\mu F$

verde - L-C , $L = 2.2mH$, $C_F = 2200\mu F$

giallo - C-L-C $C_{F1} = 2200\mu F$, $L = 2.2mH$, $C_{F2} = 2 \times 2200\mu F$

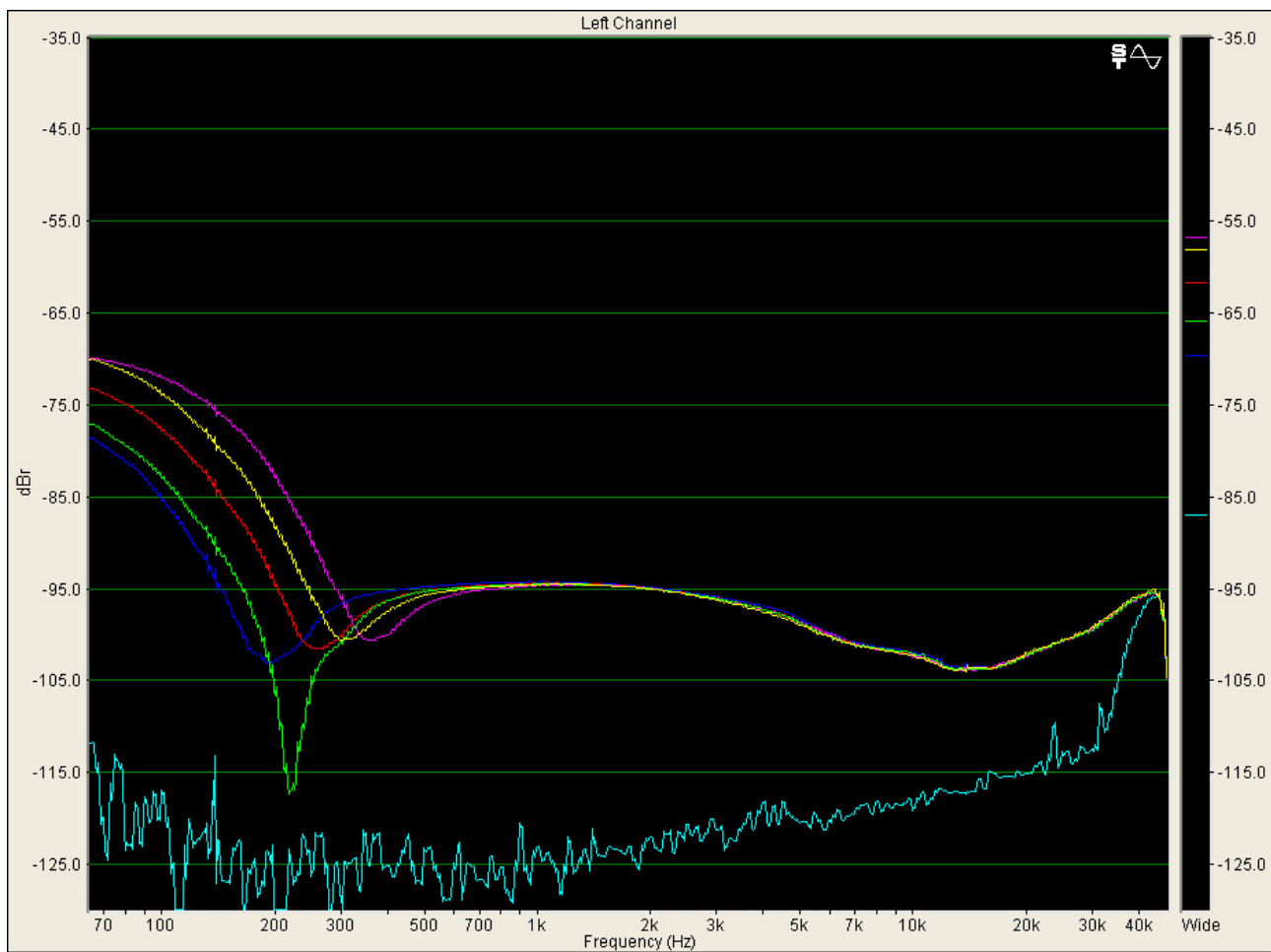


Fig. 12

rosso – C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 3 \times 2200\mu\text{F}$

viola – C-L-C , $C_{F1} = 1000\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 3 \times 2200\mu\text{F}$

verde – C-L(+R)-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH} + 1\text{ ohm}$, $C_{F2} = 3 \times 2200\mu\text{F}$

blu – C-L-C , $C_{F1} = 2 \times 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 3 \times 2200\mu\text{F}$

giallo - C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 2 \times 2200\mu\text{F}$ (*=giallo Fig_11)



Fig. 13

rosso – C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH}$, $C_{F2} = 3 \times 2200\mu\text{F}$

blu - precedente + polarizzazione DC 9V (batteria) su $R_L=180\Omega$

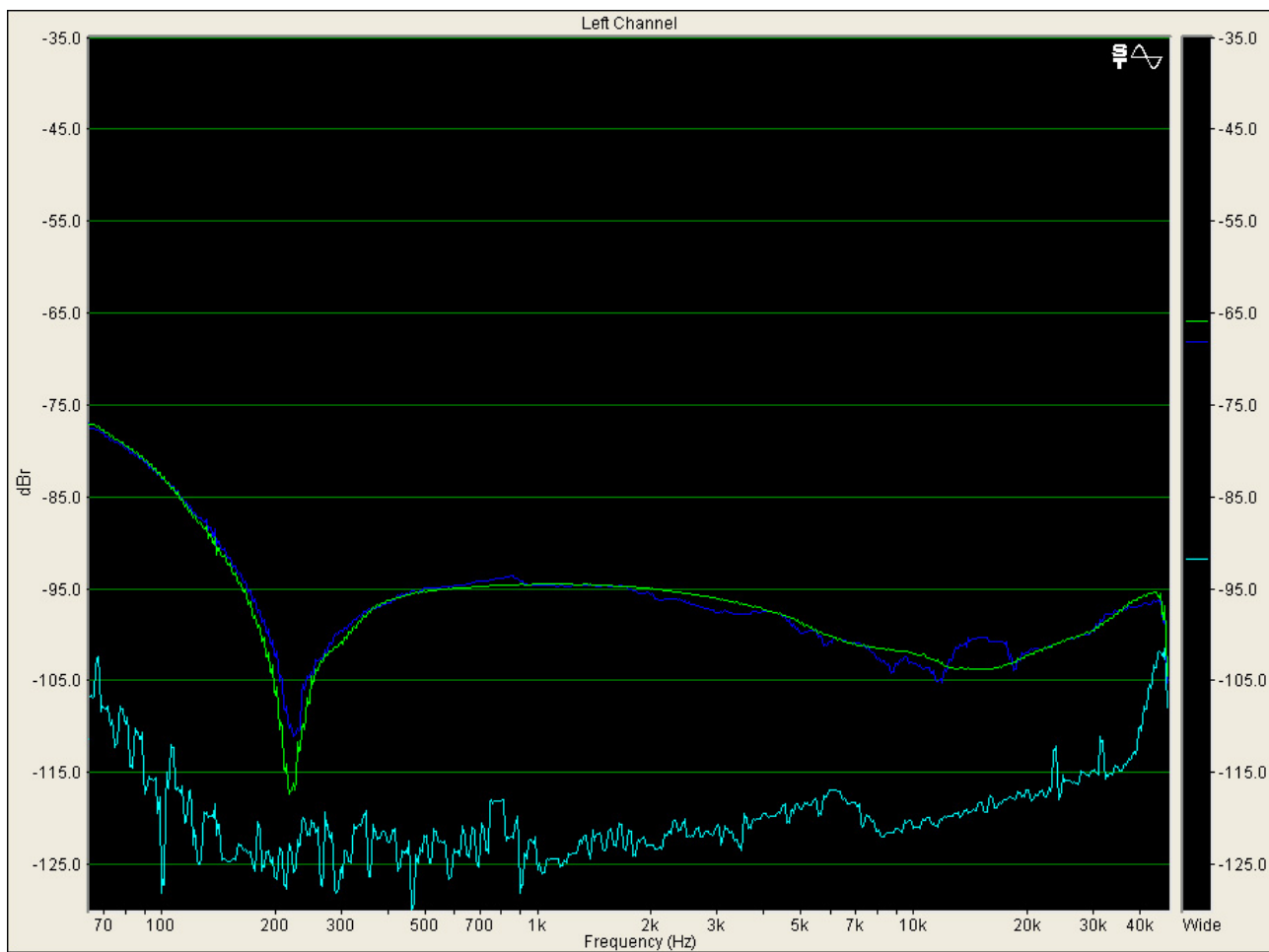


Fig. 14

verde – C-L-C , $C_{F1} = 2200\mu\text{F}$, $L = 2.2\text{mH} + 1\text{ ohm}$, $C_{F2} = 3 \times 2200\mu\text{F}$
 blu - precedente + polarizzazione DC 9V (batteria) su $R_L=180\text{ohm}$