Subject: Combo B&C DE250 with Altec 811
Posted by Arthur C on Thu, 20 Jan 2022 19:29:32 GMT
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Hi,

May I kindly request some help or fed back concerning a crossover design.

Does a member has already tried the combo B&C DE250 With Altec 811B

I am planning to build a new 2 way configuration a speaker between Klipsh Cornwall and 4 Pi speaker.
The idea is to us a 96 dB 15' carbon fiber woofer (Davis acoustic speaker 40 RCA15 DF) with Altec 811 B horn ad B&C DE250 compression driver.
A 1k6 cutoff frequency seams not appropriate for my woofer, a 800 HZ cut off should be great in a 12db/18db configuration.

According to Wayne's documentation the crossover should be as follows:

- Concerning the woofer : Zobel : 8 ohms + 22 UF capacitor
L2 : 2.00 MH
C4 : 20 UF
- Compression driver and horn :
C2 : 16 UF
L1 : 1.2 mH
C3 : 47 UF

R1 = 20 ohms
R2 = 14 ohms
C1 = 1.6 uF.

Concerning C1 : a reduce capacitor should flatten the frequency response ?
Should high frequencies have to be boost I could add a super-tweeter
May I kindly ask you if this configuration could be accurate ?
Any proposal will be welcomed.