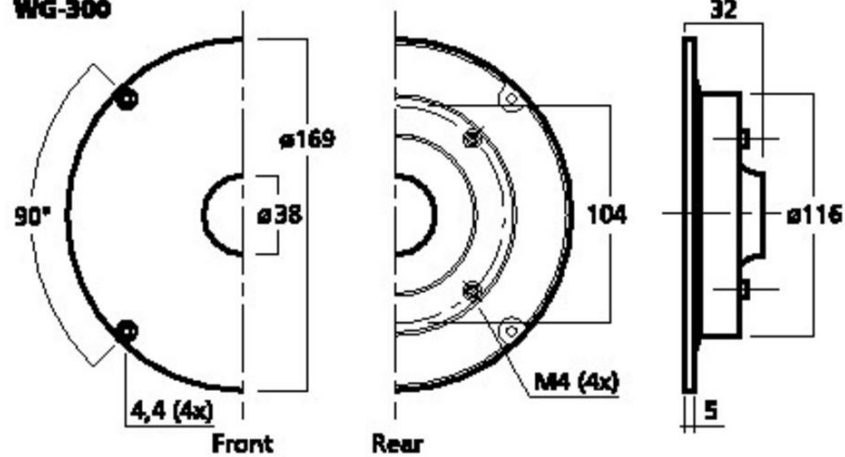
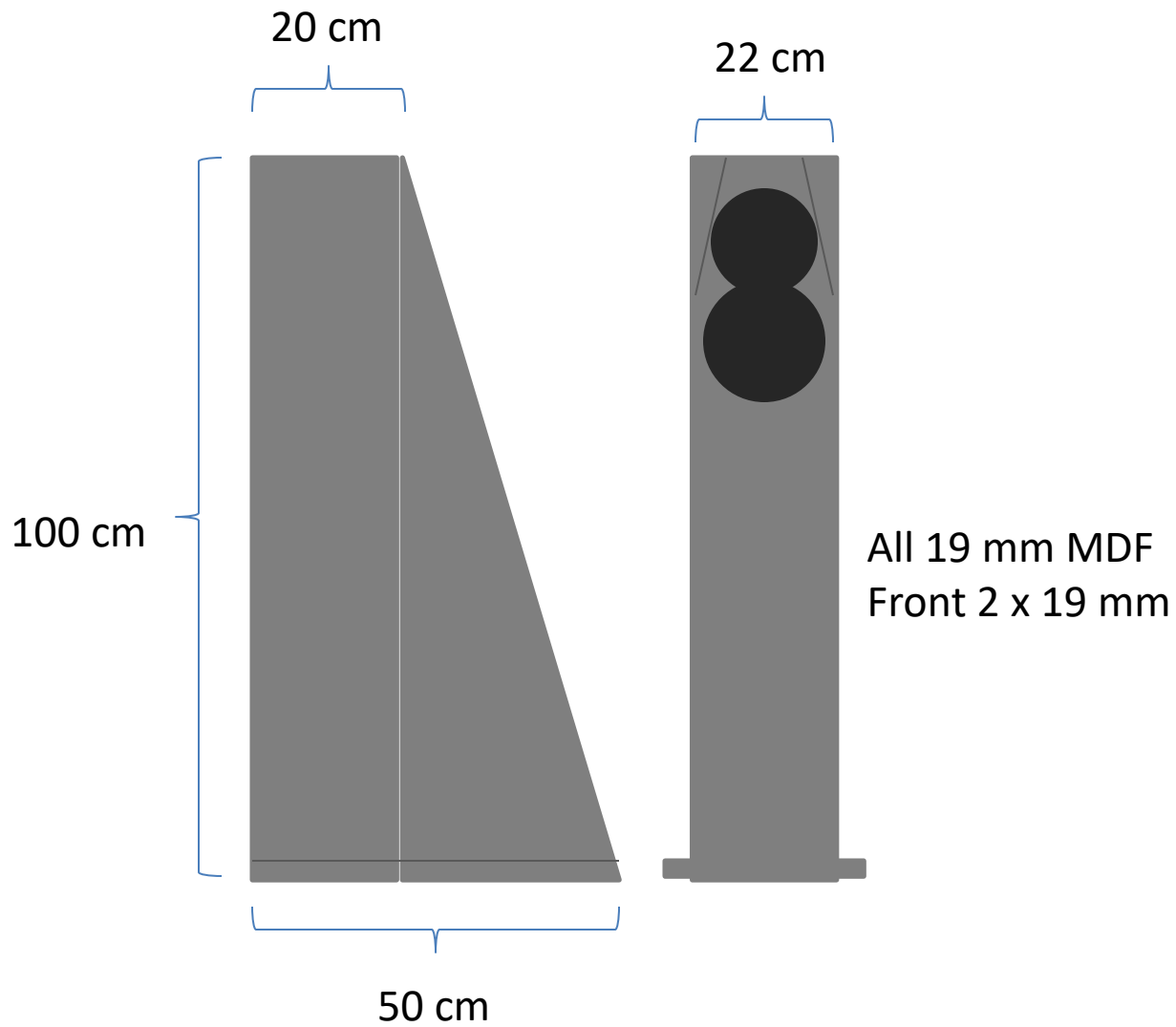
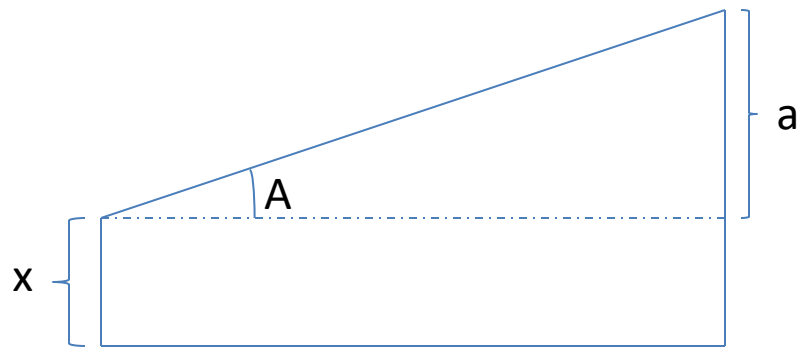


WG-300









b

$$Area = x \cdot b + \frac{1}{2} \cdot a \cdot b$$

$$= x \cdot b + \frac{1}{2} \cdot \tan A \cdot b \cdot b$$

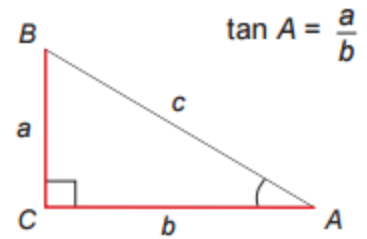
$$= x \cdot b + \frac{1}{2} \cdot \tan A \cdot b^2$$

⇓

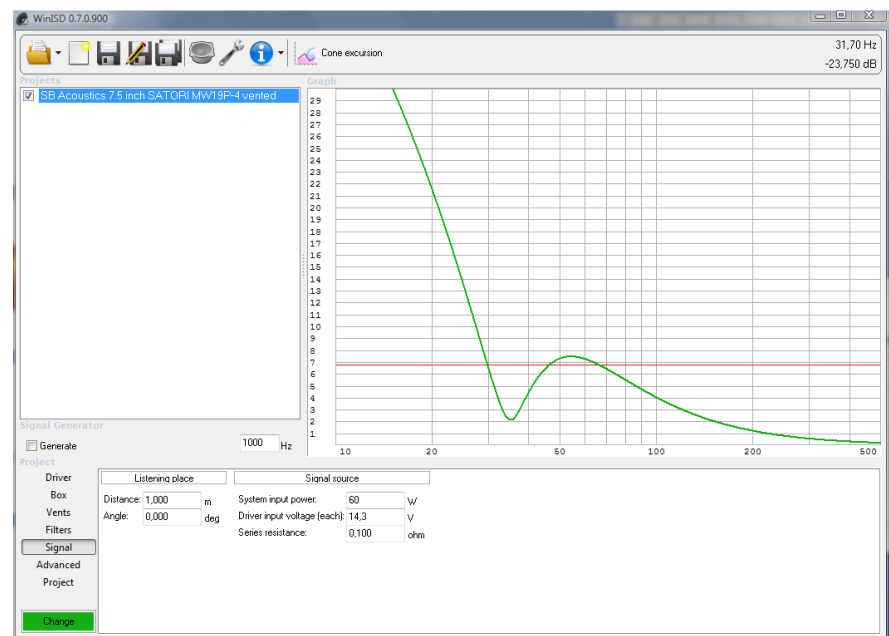
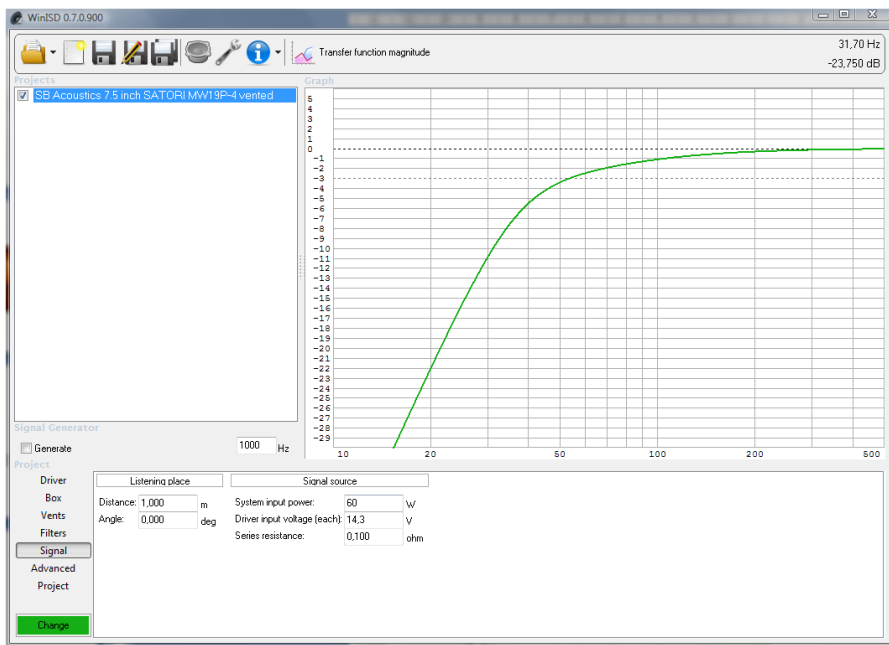
$$0 = \frac{1}{2} \cdot \tan A \cdot b^2 + x \cdot b - Area$$

⇓

$$b = \frac{-x \pm \sqrt{x^2 + 2 \cdot \tan A \cdot Area}}{\tan A}$$



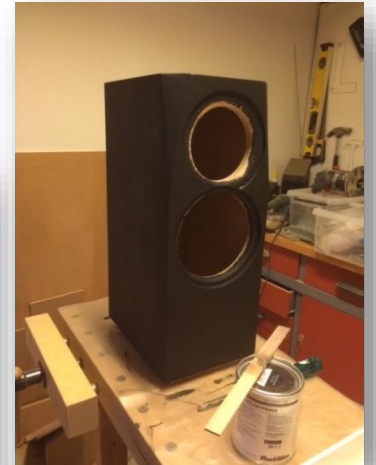
Vol	20 l	
y	18 cm	
Area	1111,1 cm ²	
x	15 cm	
A	15 degree	
Arad	0,262 rad	
b	50,9 cm	
a+x	28,6	



Test box

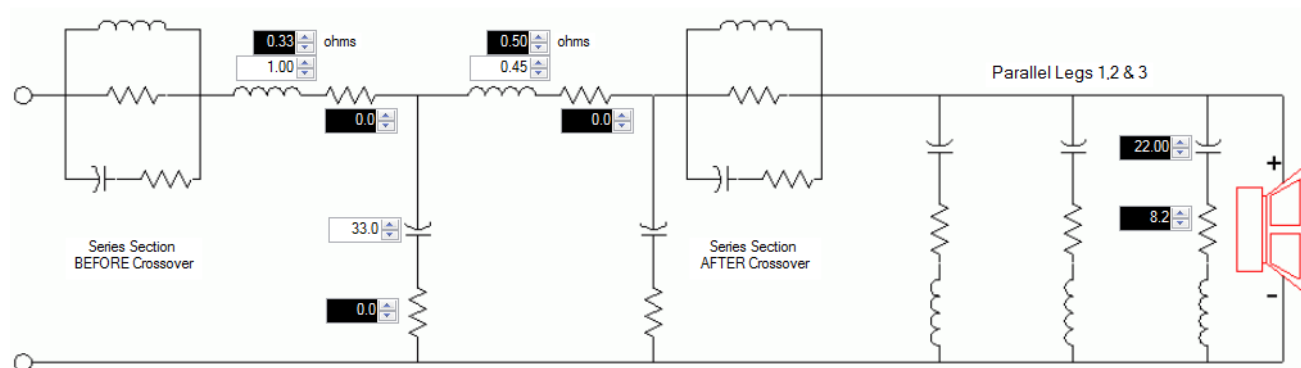
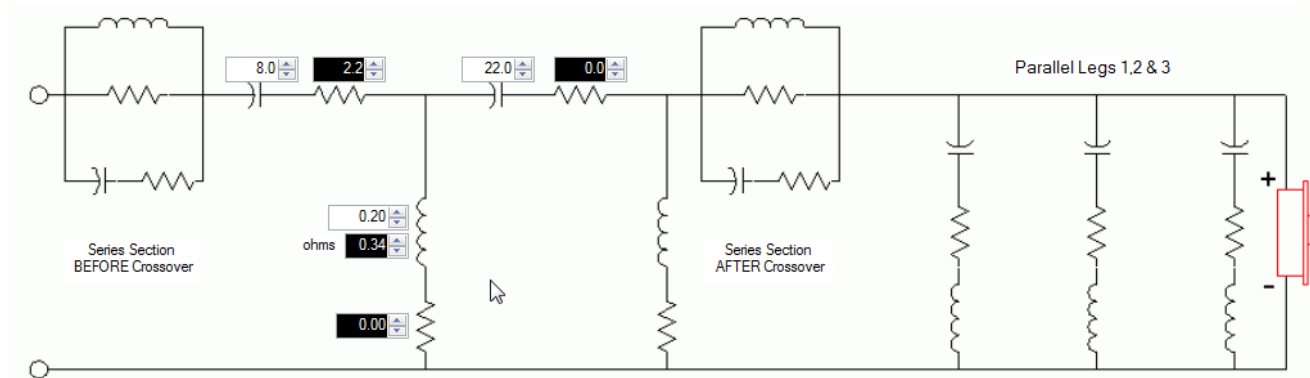
- HxBxD = 53,3 x 21,3 x 29,6
- 16mm MDF, 32 mm front
- Indvendige mål: 50,1 x 18,1 x 24,8
- Vol = 22,5 l
- Vent: $\varnothing=45,7$ mm
- Vent: 20 cm \Rightarrow 31 Hz

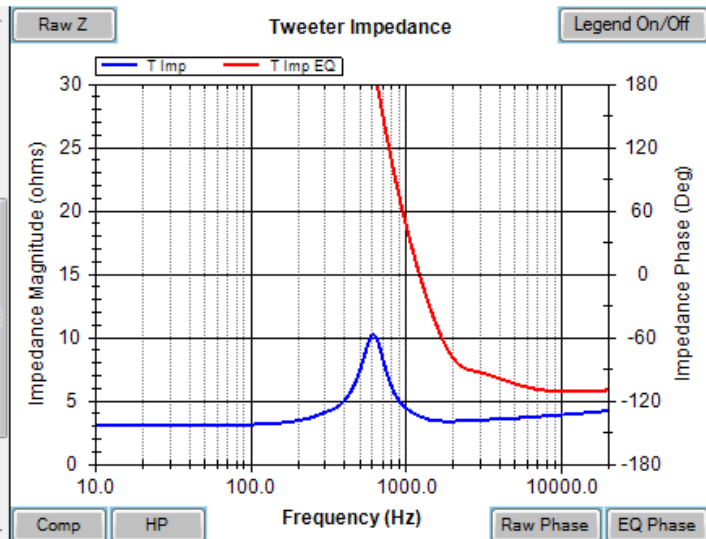
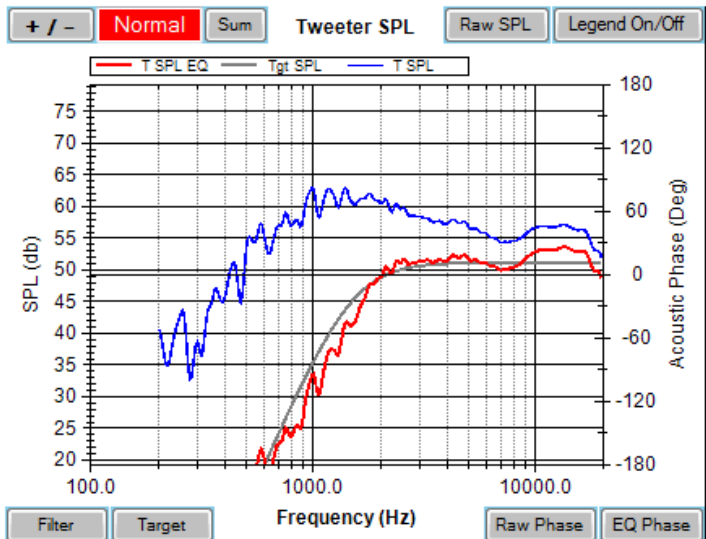
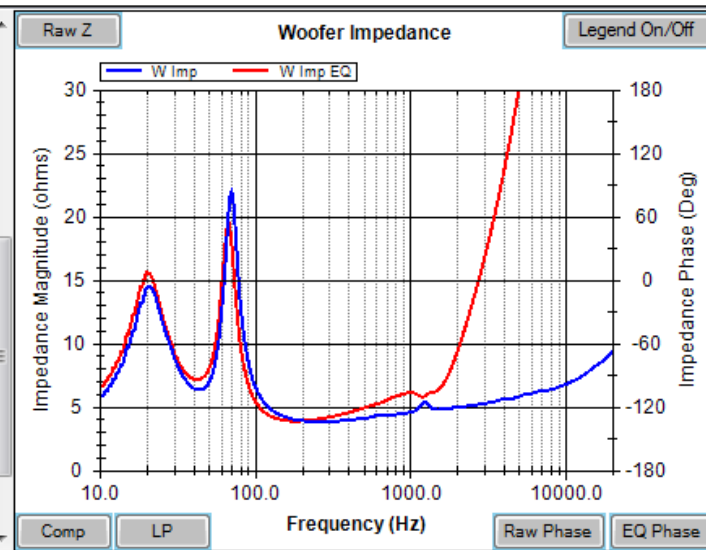
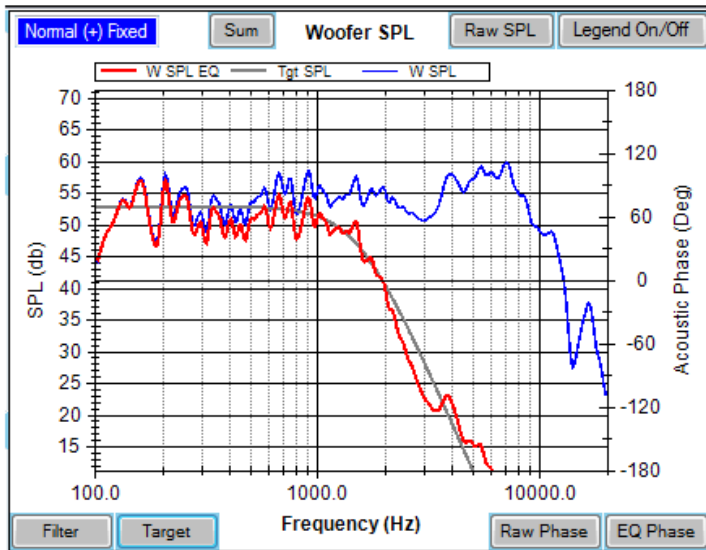


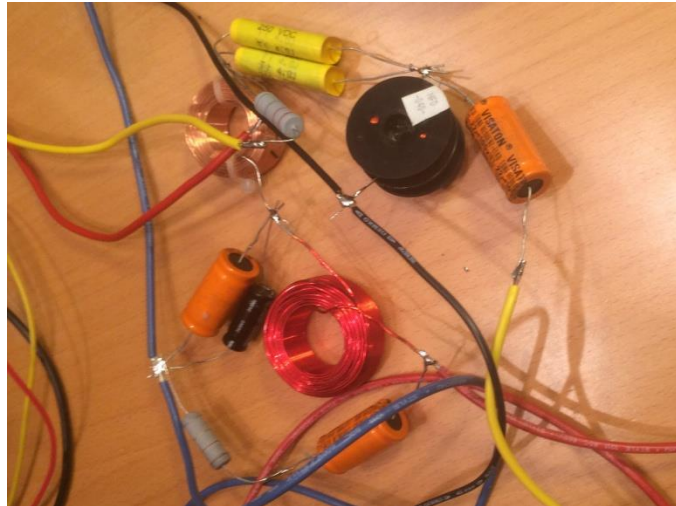
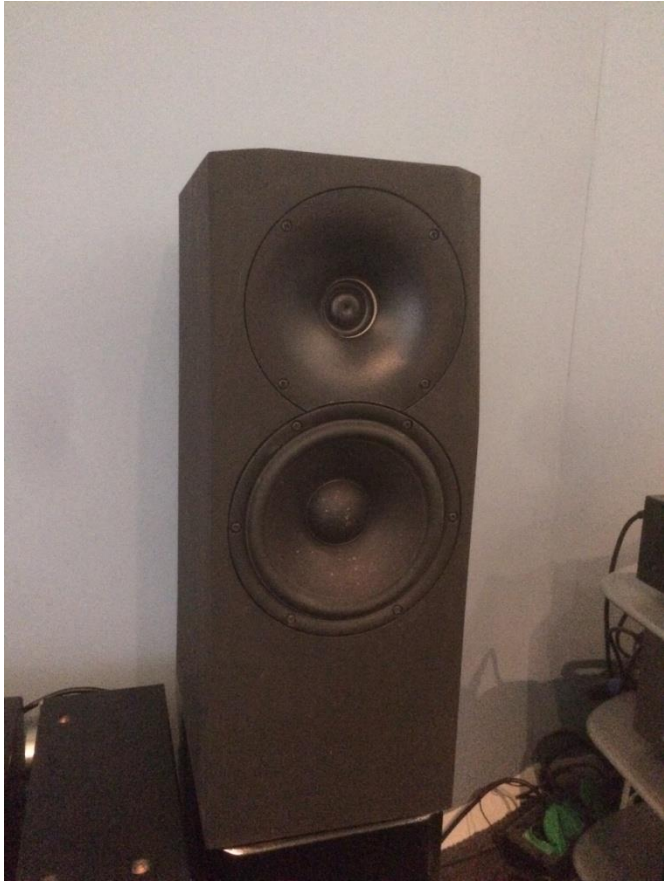


SB Center, Test xover #1

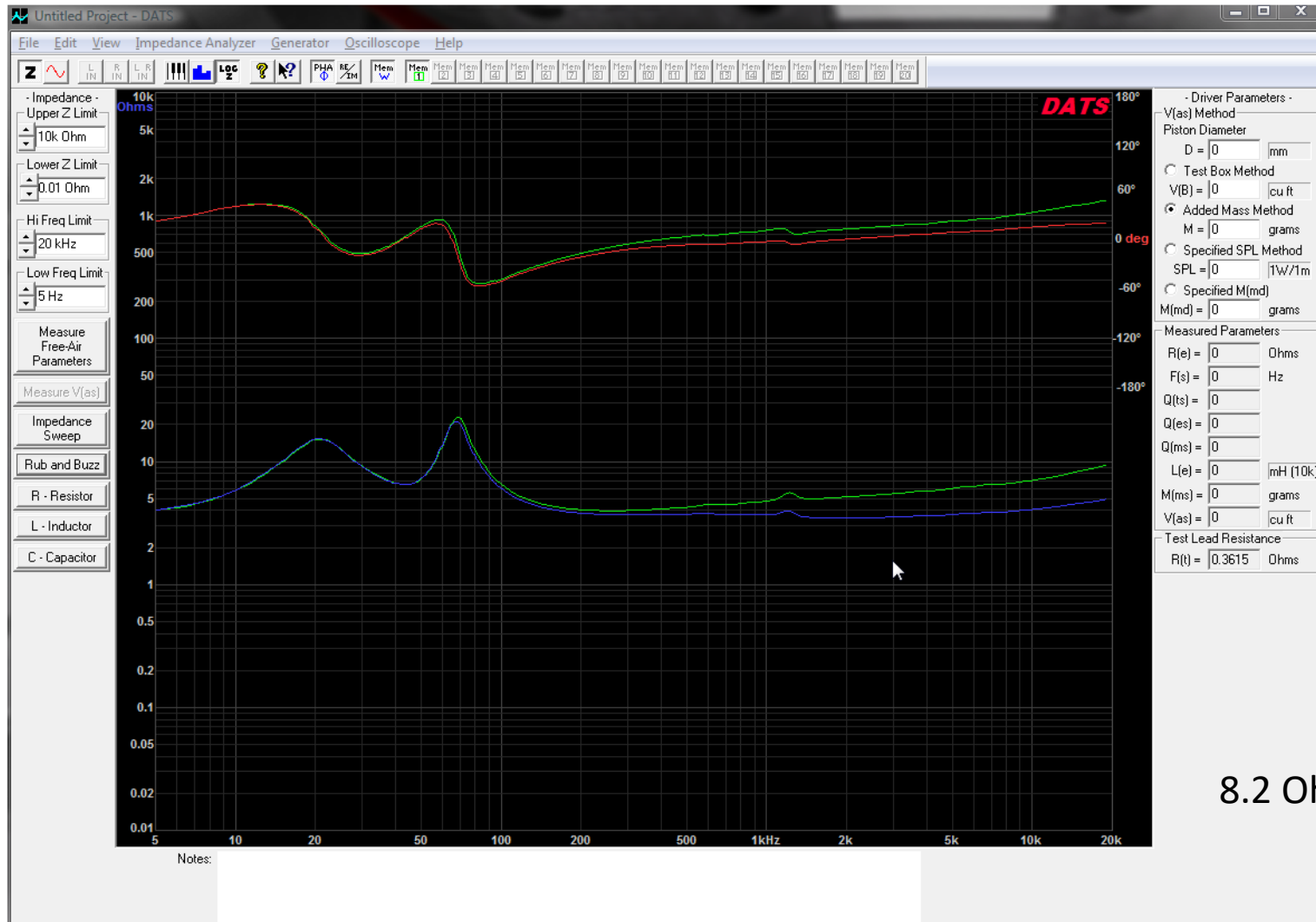
LR4 acoustic, 1500 Hz







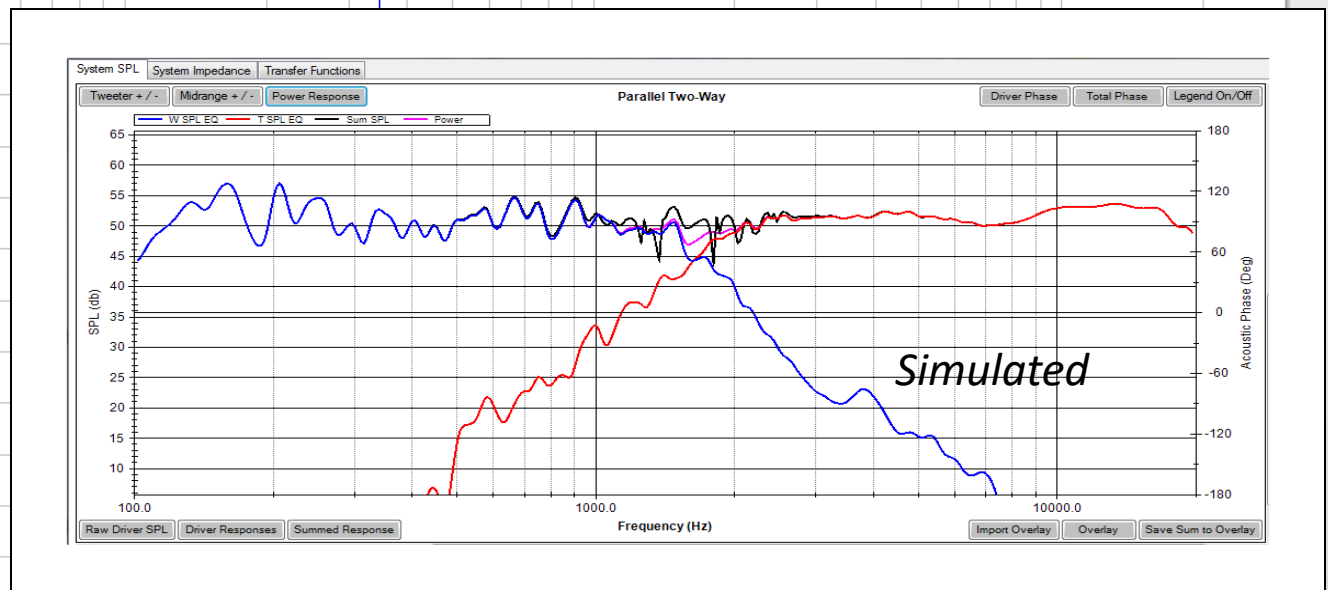
Impedance correction Satori M19-4



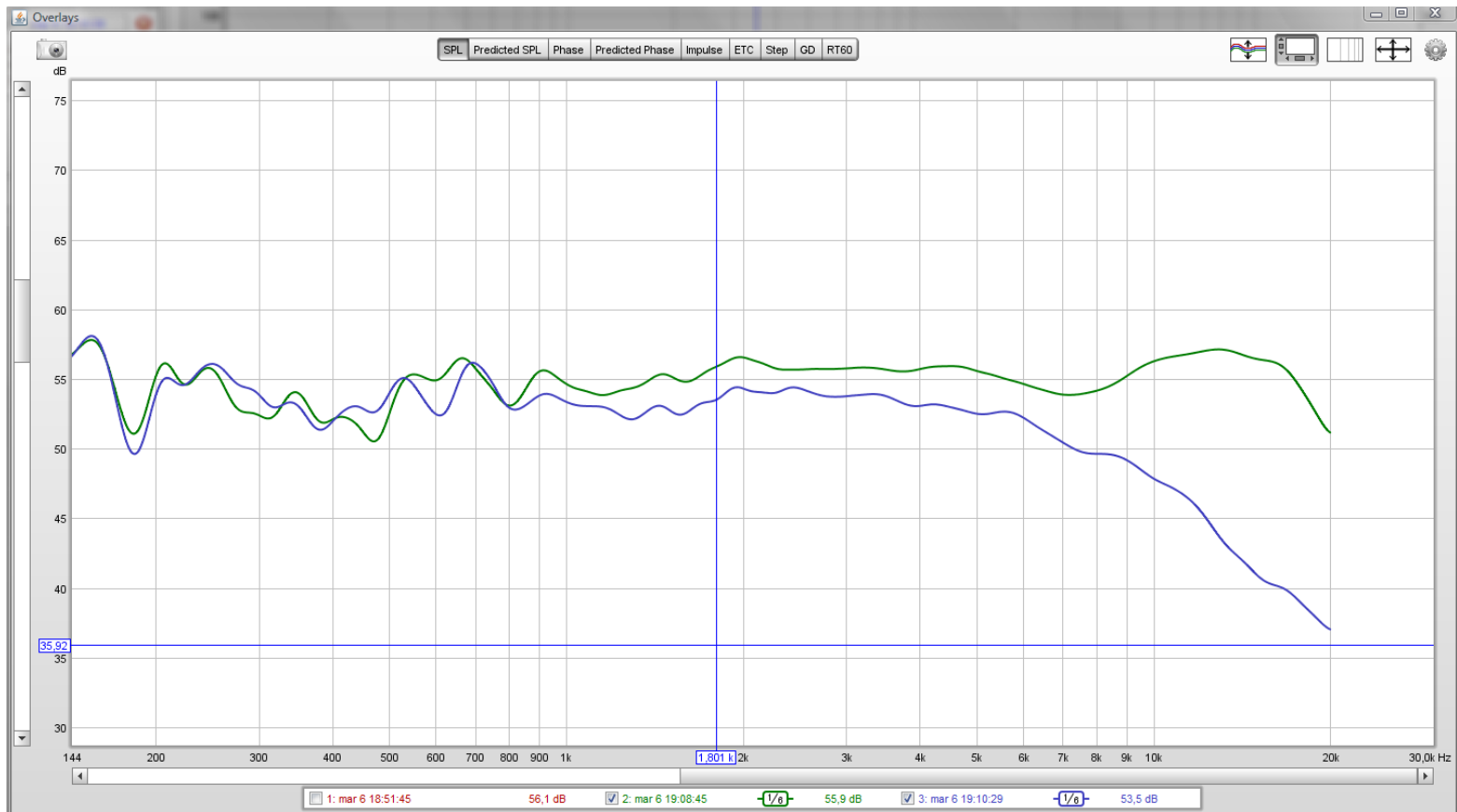
First test filter. Acoustic LR4, electric 3. ord, 1500 Hz

Very much in line with Sim

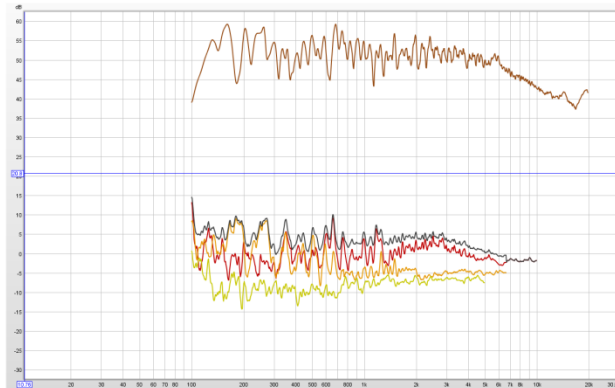
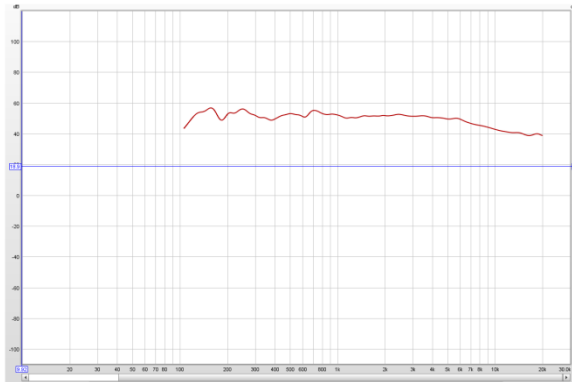
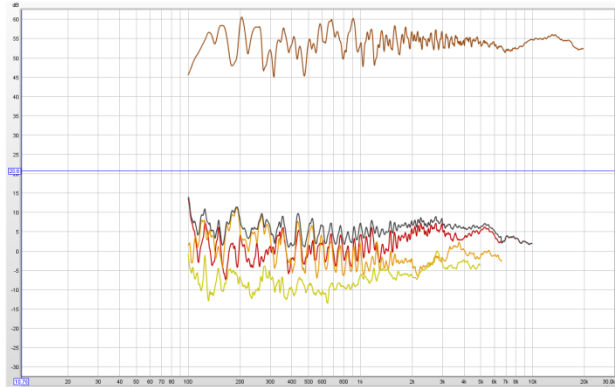
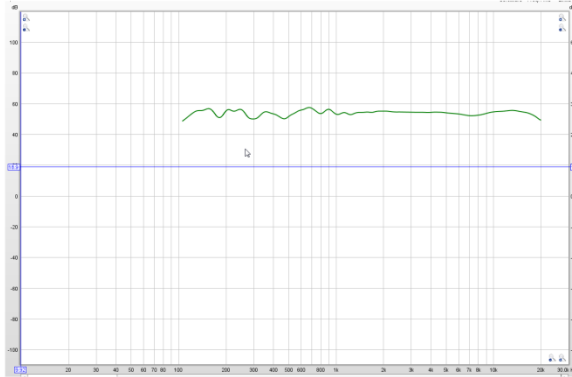
Measured 70 cm in line with tweeter



0 and 45 degree

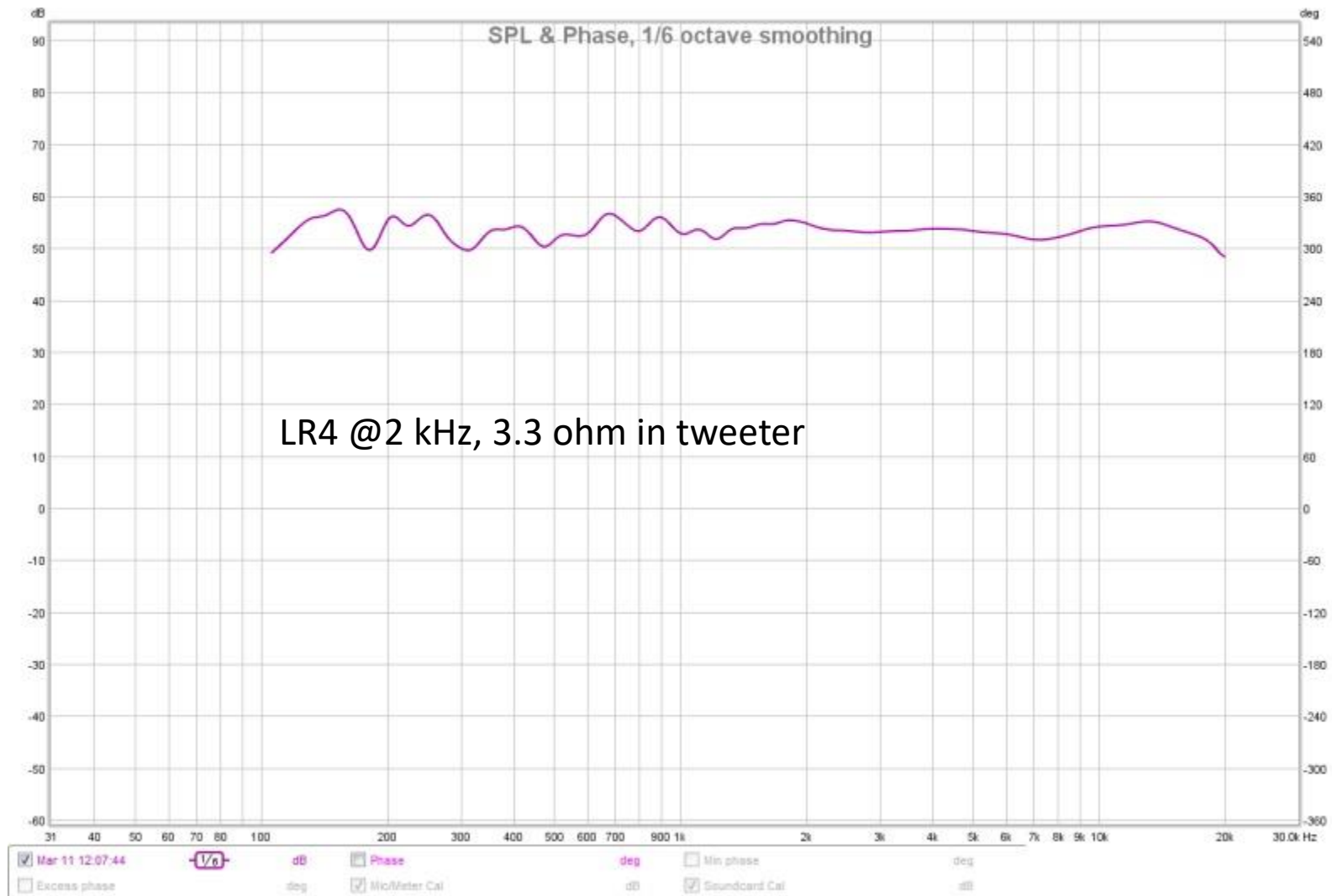


Sealing the gap!



Sealing the gap under the waveguide, mad all the difference on the TDH measurement on 45 degree No doubt that was it 😊

XO #2



Xrossover #2 and tweaking



XO #2 teaked

