



# Emanate 4c

## 3-Way Center Channel

Spec Sheet



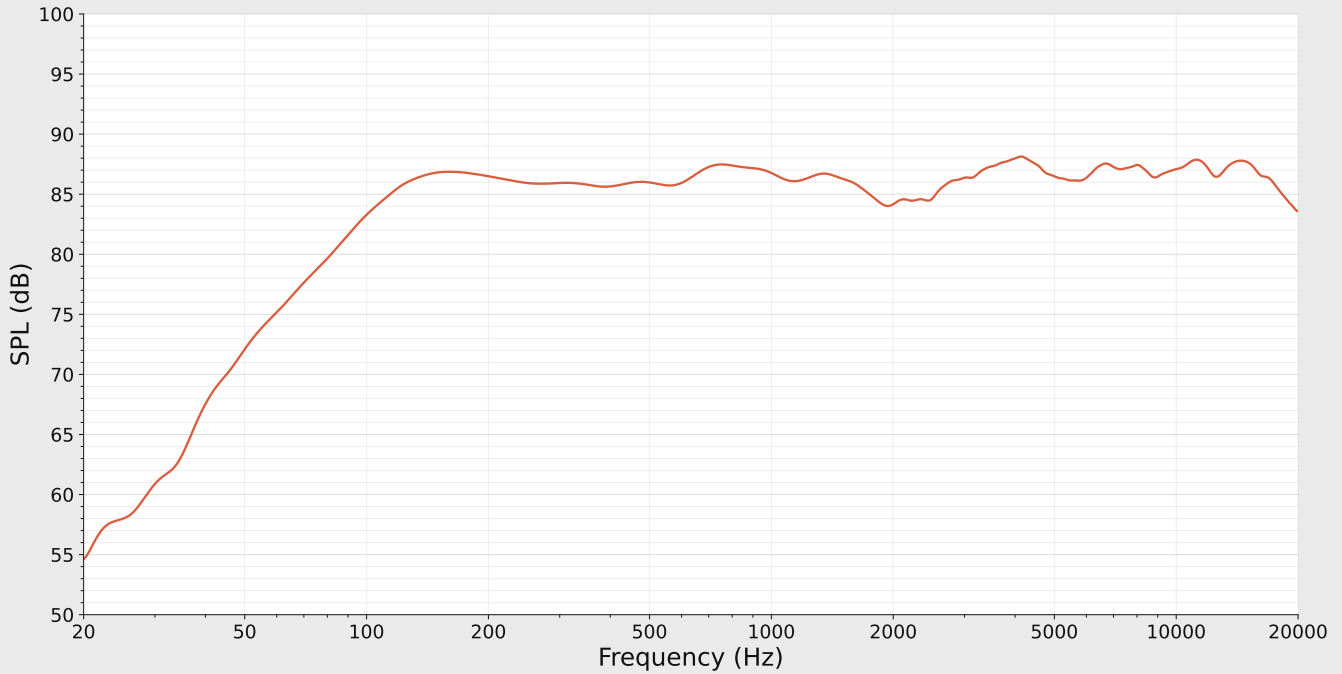
## Description:

The Emanate 4C is a passive 3-way horizontal channel speaker designed for DIY assembly and home theatre use. It uses dual 4-inch woofers, a 2-inch midrange, and a 19 mm dome tweeter in a ported 3D-printed enclosure, with a passive crossover and speaker-level binding posts for easy amplifier connection. Designed to be paired with a subwoofer.

<b>Type:</b>	Passive 3-way Center Channel
<b>Enclosure Type:</b>	Rear-Ported Bass Reflex
<b>Nominal Impedance:</b>	8 $\Omega$
<b>Tweeter:</b>	19mm Dome Tweeter - SB19ST-C000-4
<b>Midrange:</b>	2-Inch Midrange - 2FE22
<b>Woofers:</b>	2 x 4-Inch Paper Cone Woofer - SB12PFCR25-4
<b>Sensitivity:</b>	86dB 1W/1m
<b>Low-frequency extension:</b>	100Hz (-3 dB), 70Hz (-10 dB)
<b>Crossover Frequency:</b>	800hz, 4000hz
<b>Max SPL:</b>	106 dB @ 1 m, single speaker
<b>Input:</b>	Speaker-level binding posts
<b>Enclosure:</b>	3D Printed, DIY-assembled
<b>Dimensions (H x W x D):</b>	150 x 320 x 230 mm
<b>Weight (per speaker):</b>	4.3 kg

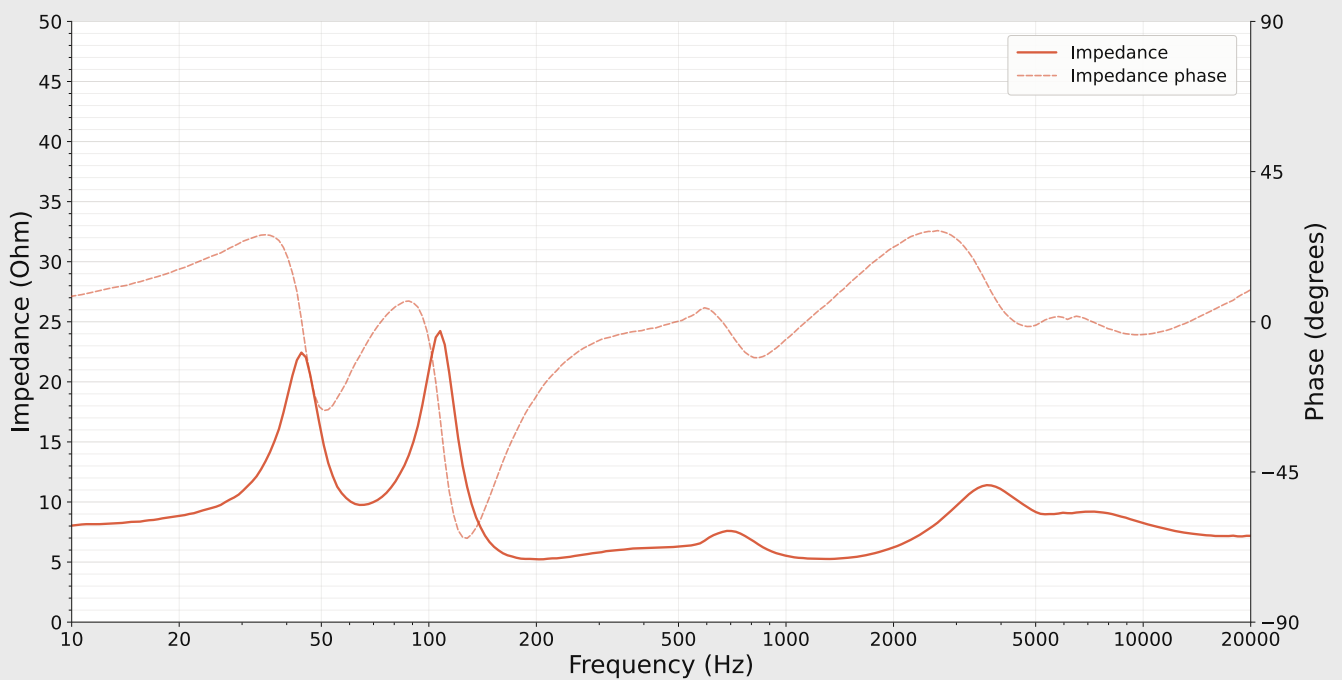


## Emanate 4c On-Axis Frequency Response

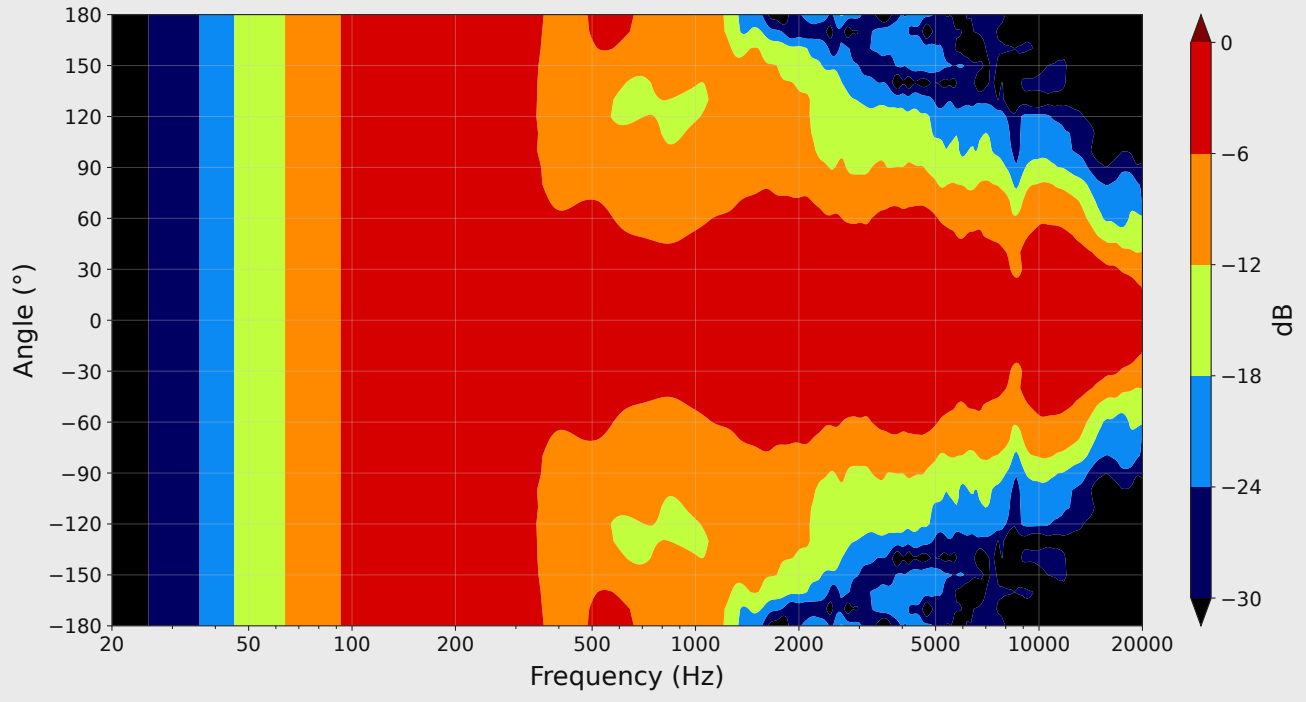


\*Ground-plane measurement below 400 Hz.

## Emanate 4c Impedance

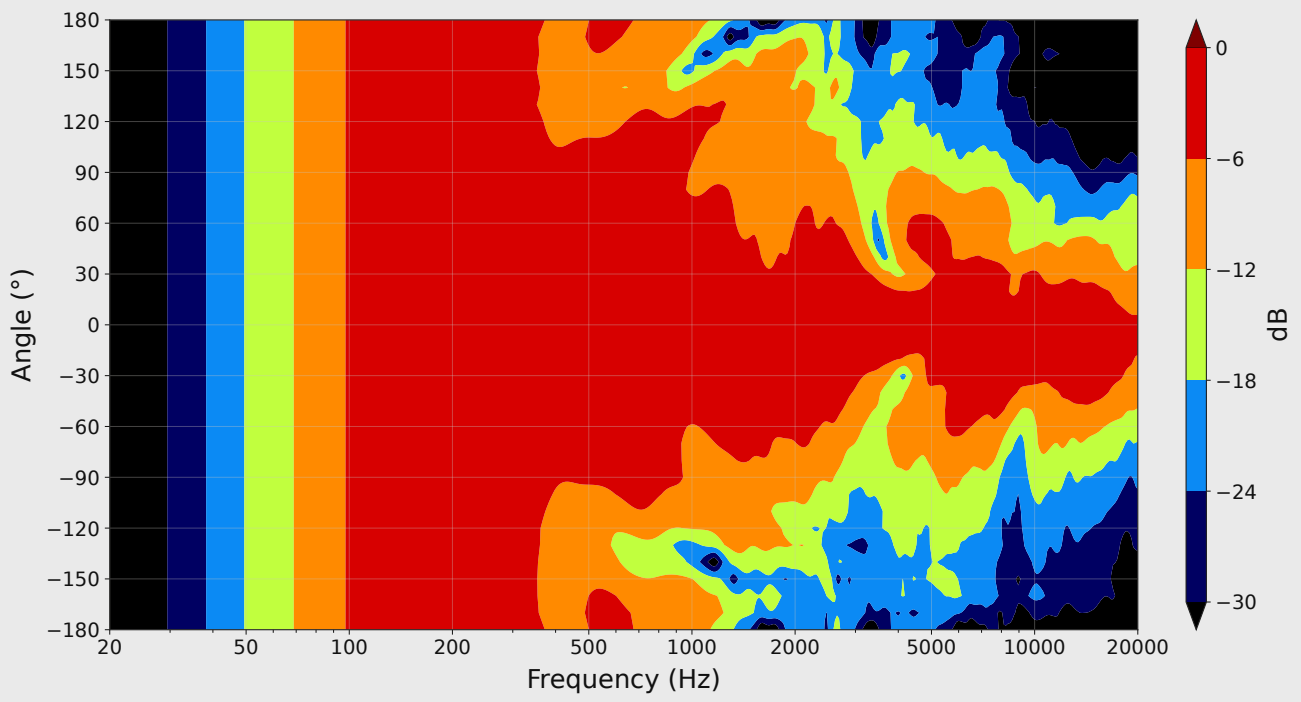


### Emanate 4c Horizontal Contour Plot (Unnormalised)



\*Ground-plane measurement below 400 Hz.

### Emanate 4c Vertical Contour Plot (Unnormalised)



\*Ground-plane measurement below 400 Hz.