

Banyan Canopy

Banyan Set Line Array Speaker

600 W

POWER RMS

96 dB

SENSITIVITY

8 Ω

IMPEDANCE

147 mm

DEPTH

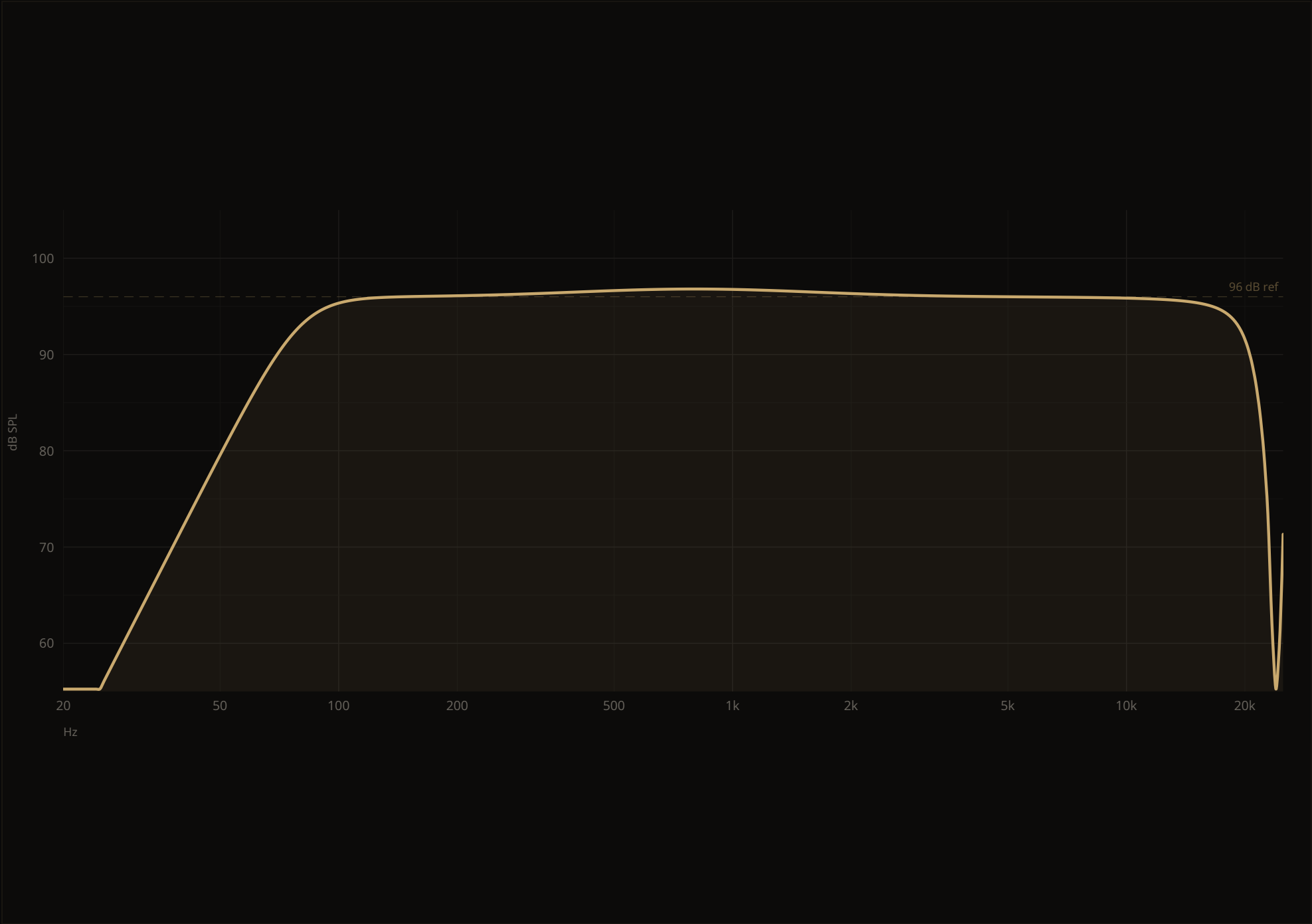
Technical Specifications

ACOUSTIC PERFORMANCE	
Power RMS	600 W
Power Peak	—
Sensitivity	96 dB / 1W / 1m
Impedance	8 Ω
Max SPL	120 dB
THD+N	≤0.2% @ 1W/1m
Frequency Range	80 Hz – 20 kHz
Directivity H	100° (–6 dB, 1 kHz)
Directivity V	12° (–6 dB, 1 kHz)
Driver Config	Proprietary line array driver configuration
Crossover	Managed by Banyan Pith DSP module
Crossover Freq	—
EQ Profile	Default
CONNECTIVITY	
Connector	—
Wire Gauge	—

PHYSICAL	
Dimensions	1300 × 173 × 147 mm
Weight	21 kg
Housing	Birch Wood
Grille	Mild Steel
Paintable Grille	No
ENVIRONMENTAL	
IP Rating	—
Mounting	Wall Mount, Baseplate, Hanging Mount, Pole Mount
COLOUR & FINISH	
Finishes	Black
PRODUCT	
Series	Banyan Set
SKU	XSP-BAN-CAN
Variants	XSP-BAN-CAN · Custom RAL +20%
Since	2022

Frequency Response

On-axis · 1W / 1m · anechoic · 80Hz – 20kHz · 96dB sensitivity · raw acoustic, no EQ



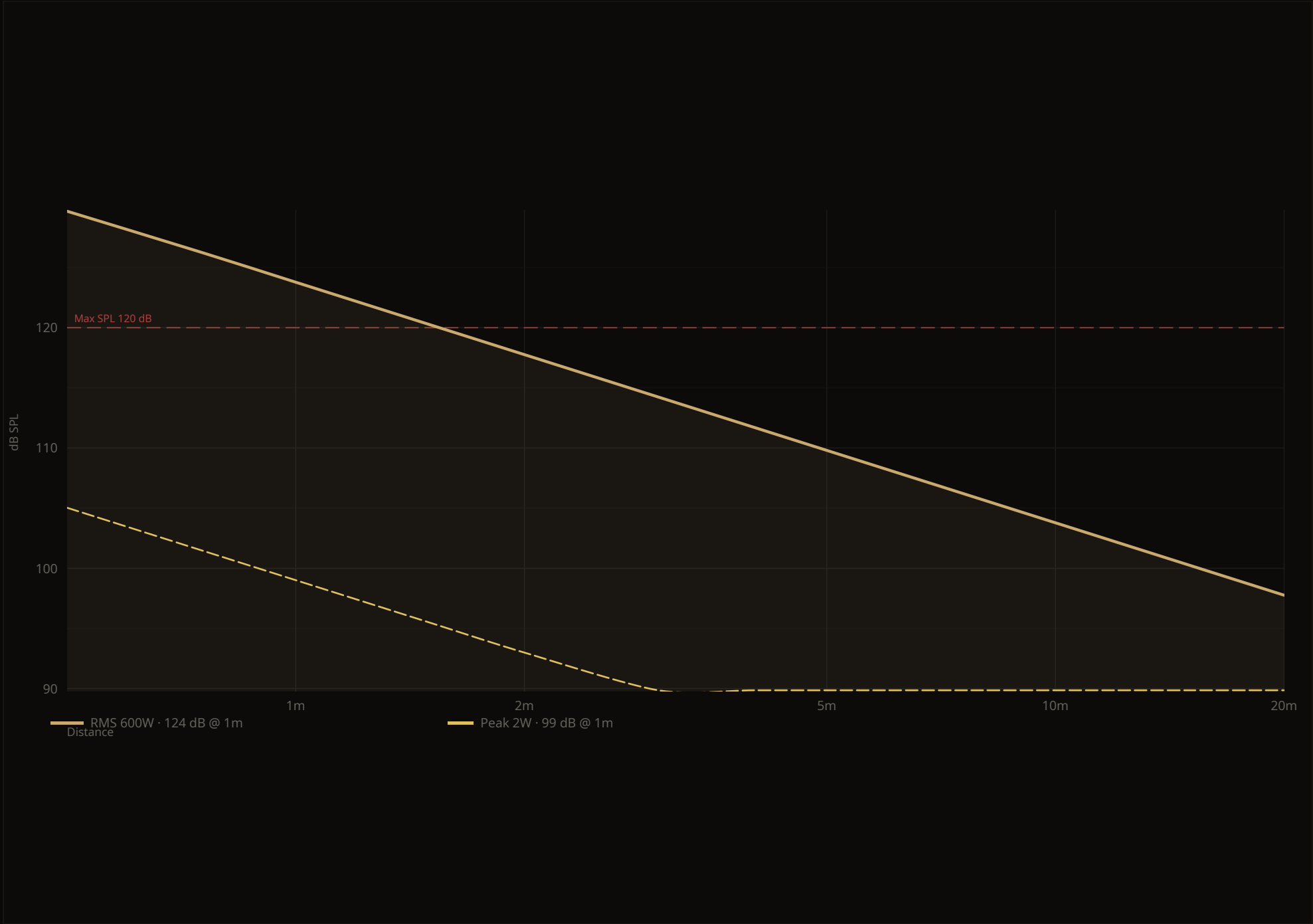
Directivity Pattern

Normalised polar response · H 100° / V 12° at -6 dB · 1 kHz · multi-frequency overlay



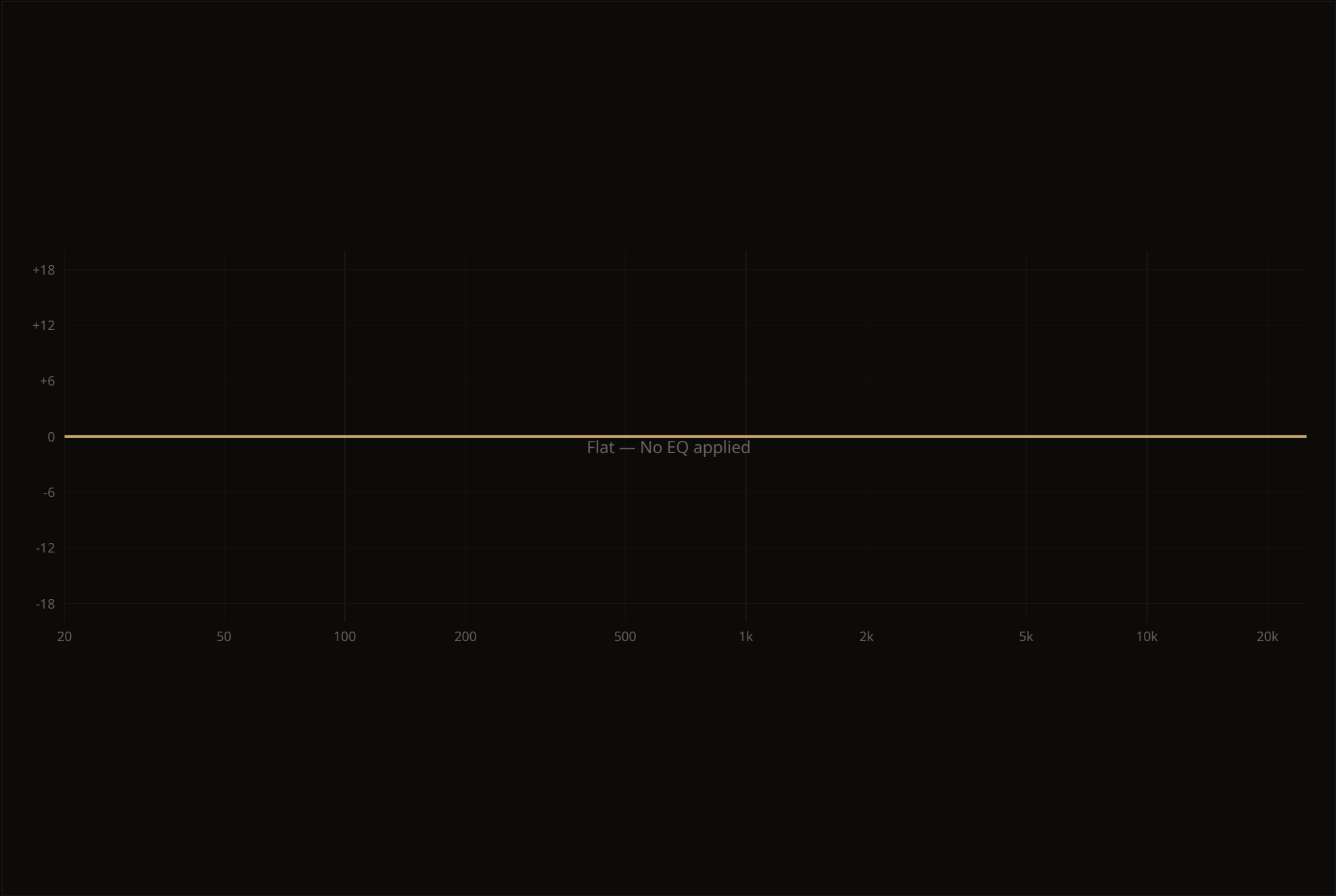
SPL vs Distance

Inverse square law · Ref: 96 dB / 1W / 1m · free field anechoic · 600W RMS / nullW Peak



Recommended EQ

Profile: Default · combined biquad cascade (bold) with individual filter contributions (dashed)



No EQ filters — flat response.

Proprietary Technologies



PrecisionXover Array

Air-core inductors, polypropylene film capacitors and metal-film resistors. Component matching held to ± 0.5 dB for inaudible channel-to-channel variation across the array.



PowerDense Dynamics

Copper-silver composite voice coil conductor. Significantly higher continuous power in the same former diameter — higher thermal ceiling without increasing coil mass or inductance.