



48KXMA900.5

4x125 Watt Class D Full Range Amplifier w/ 400 Watt Class D Mono Amplifier; RoHS Compliant

## Specifications

### Electrical Parameters

Power (@14.4V, <1%THD+N)	<b>4Ω Stereo</b>	75W x 4
Power (@14.4V, <1%THD+N)	<b>2Ω Stereo</b>	125W x 4
Power (@14.4V, <1%THD+N)	<b>4Ω Bridged</b>	250W x 2
Power (@14.4V, <1%THD+N)	<b>4Ω Mono</b>	200W x 1
Power (@14.4V, <1%THD+N)	<b>2Ω Mono</b>	400W x 1
Power (@14.4V, <1%THD+N)	<b>1Ω Mono</b>	400W x 1
Dynamic Power (@14.4V, <10%THD+N)	<b>4Ω Bridged + 1Ω Mono</b>	1300W
Lowest Rated Impedance (Amp 1 & 2)		2Ω Stereo / 4Ω Bridged
Lowest Rated Impedance (Sub)		1Ω
Signal to Noise Ratio (CEA)	<b>1W</b>	>-75dB
Signal to Noise Ratio	<b>Rated Power</b>	>-95dB
Channel Separation (Rated Power) FR	<b>1000Hz</b>	>55dB
CMRR (Amp 1 & 2)	<b>1000Hz</b>	-40dB
CMRR (Sub)	<b>50Hz</b>	-40dB
Input Impedance		>20kΩ
Frequency Response (Amp 1 & 2)		10Hz - 20kHz
Frequency Response (Sub)		20Hz - 160Hz
Variable HiPass Filter (Amp 1)	<b>24dB / Octave BW</b>	10Hz - 5kHz (10X switch)
Variable LoPass Filter (Amp 1)	<b>24dB / Octave BW</b>	10Hz - 5kHz (10X switch)
Variable HiPass Filter (Amp 2)	<b>24dB / Octave BW</b>	10Hz - 500Hz
Variable LoPass Filter (Amp 2)	<b>24dB / Octave BW</b>	40Hz - 5kHz (10X switch)
Variable BandPass Filter (Amp 2)	<b>24dB / Octave BW</b>	10Hz - 5kHz (10X switch)
Variable LoPass Filter (Sub)	<b>24dB / Octave BW</b>	40Hz - 160Hz
Variable Subsonic Filter (Sub)	<b>24dB / Octave BW</b>	10Hz - 80Hz
KickEQ™ Variable Bass Boost (Sub)		0dB - 6dB
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<100A
Remote Gain Attenuation		-26dB - 0dB
Low Level Input Sensitivity		125mV - 5V
High Level Input Sensitivity		250V - 10V
Under Voltage Protection		10V (warning at 10.5V)
Over Voltage Protection		16V

### What's in the box?

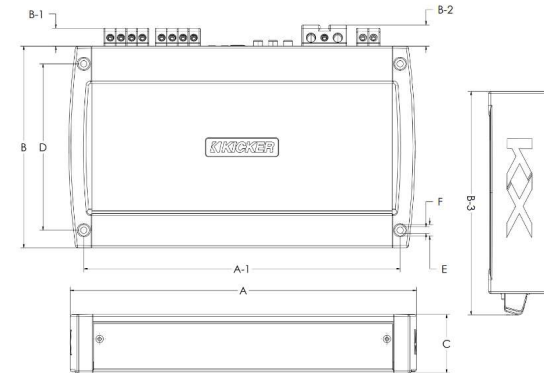
48KXMA900.5
KMBLC Remote Level Control - 19.75ft RJ11 cable included
KXMA900.5 Customer Information Card
KICKER® Power Chart
Birth Certificate
Hardware Pack - 3mm hex key, stainless steel mounting hardware, & RCA covers



### Features

- KICKER Real Marine™ Designed for Marine Environments
- Conformal Coated Printed Circuit Board
- ABYC/NMMA-Compliant Power Terminals
- UV Treated Aluminum Chassis
- LED Illuminated Gain Knobs with Clip Indicator
- KickEQ™ Bass Boost
- FIT™ Differential Inputs - Near Universal Compatibility with Source Units

### Unit Dimensions



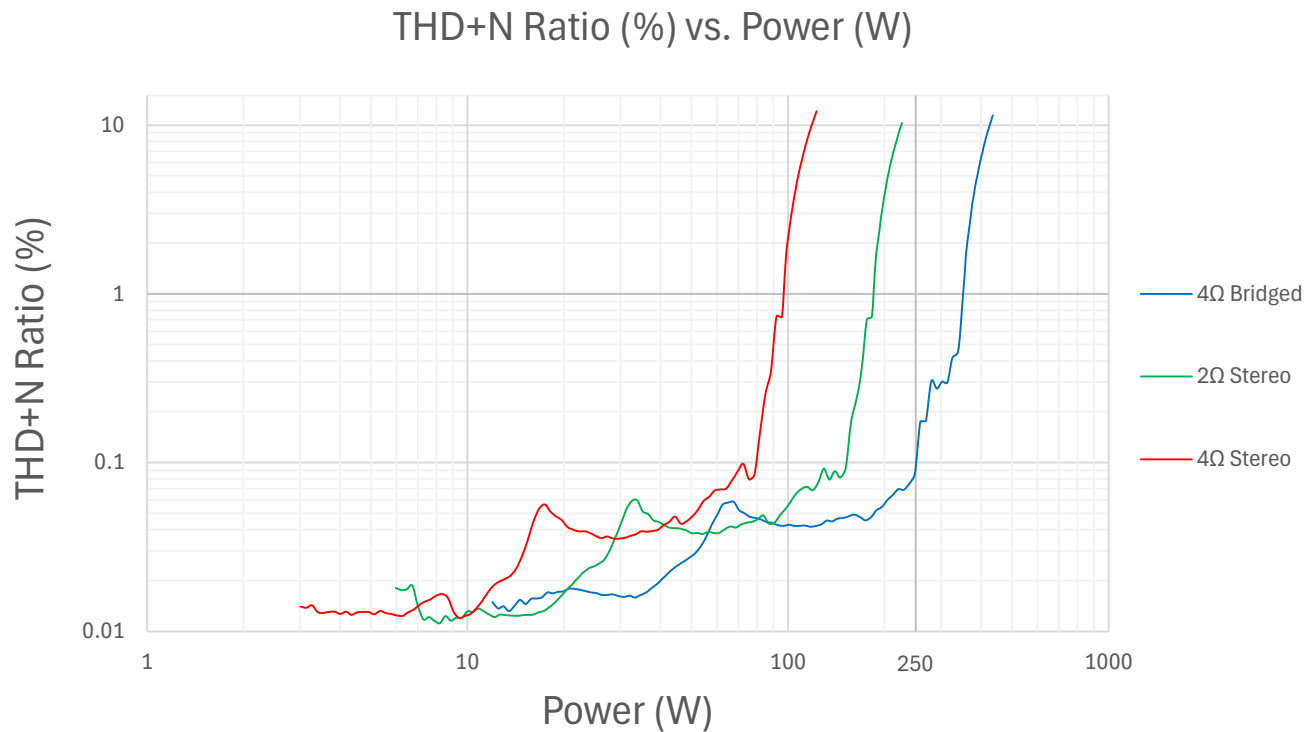
A - Overall Length	<b>12-3/4"</b>	<b>324.0mm</b>
A-1 - Mounting Holes Location - Length	<b>11-5/8"</b>	<b>295.5mm</b>
B - Chassis Width	<b>7-7/16"</b>	<b>189.0mm</b>
B-1 - Speaker Terminals Length	<b>21/32"</b>	<b>16.9mm</b>
B-2 - Power Terminals Length	<b>25/32"</b>	<b>19.8mm</b>
B-3 - Overall Width	<b>8-5/16"</b>	<b>210.0mm</b>
C - Overall Height	<b>2-1/8"</b>	<b>55.0mm</b>
D - Mounting Holes Location - Width	<b>6-5/32"</b>	<b>156.0mm</b>
E - Maximum Fastener Head Diameter	<b>13/32"</b>	<b>10.5mm</b>
F - Mounting Through Hole Diameter	<b>1/4"</b>	<b>6.0mm</b>

### Physical Materials

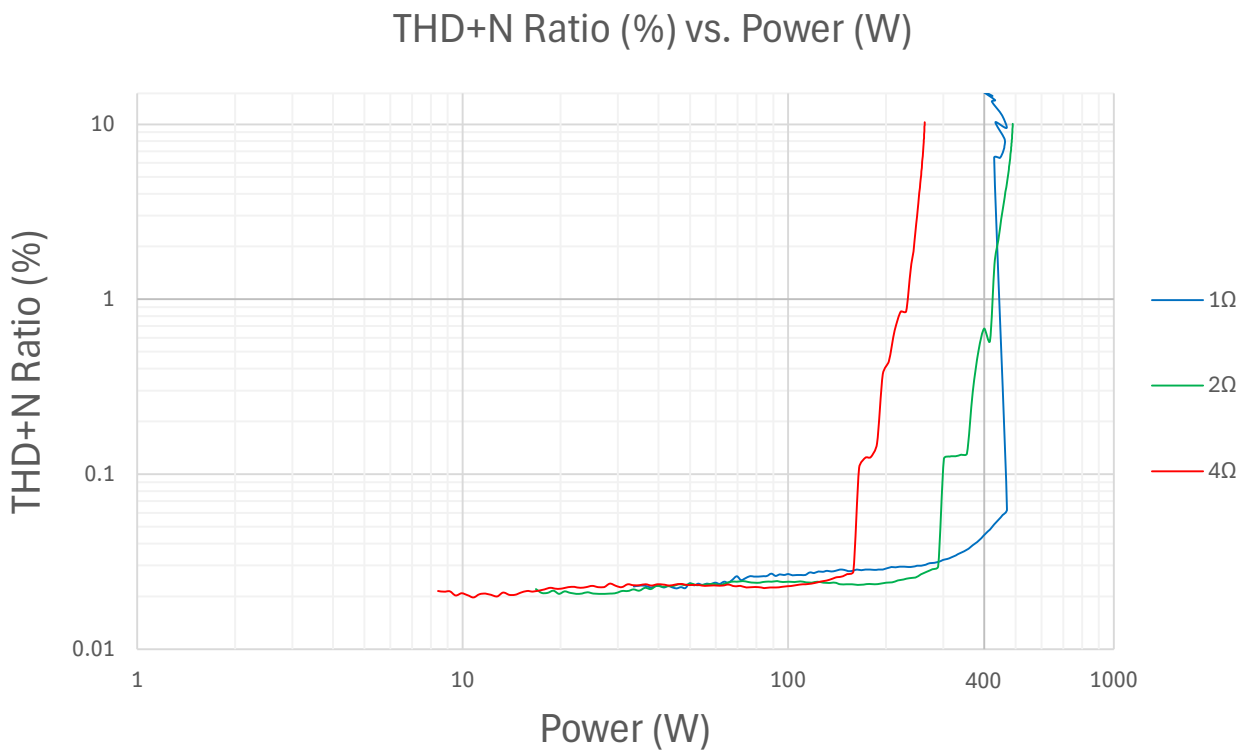
Heat Sink	UV Treated Anodized Extruded Aluminum
End Caps	Painted Injection Molded ABS Plastic
Bottom Panel	Powdercoated Aluminum
KMBLC	Painted Injection Molded ABS Plastic

Technical Graph Data

AMP1 and AMP2 - THD+N vs. Power (W) @14.4VDC

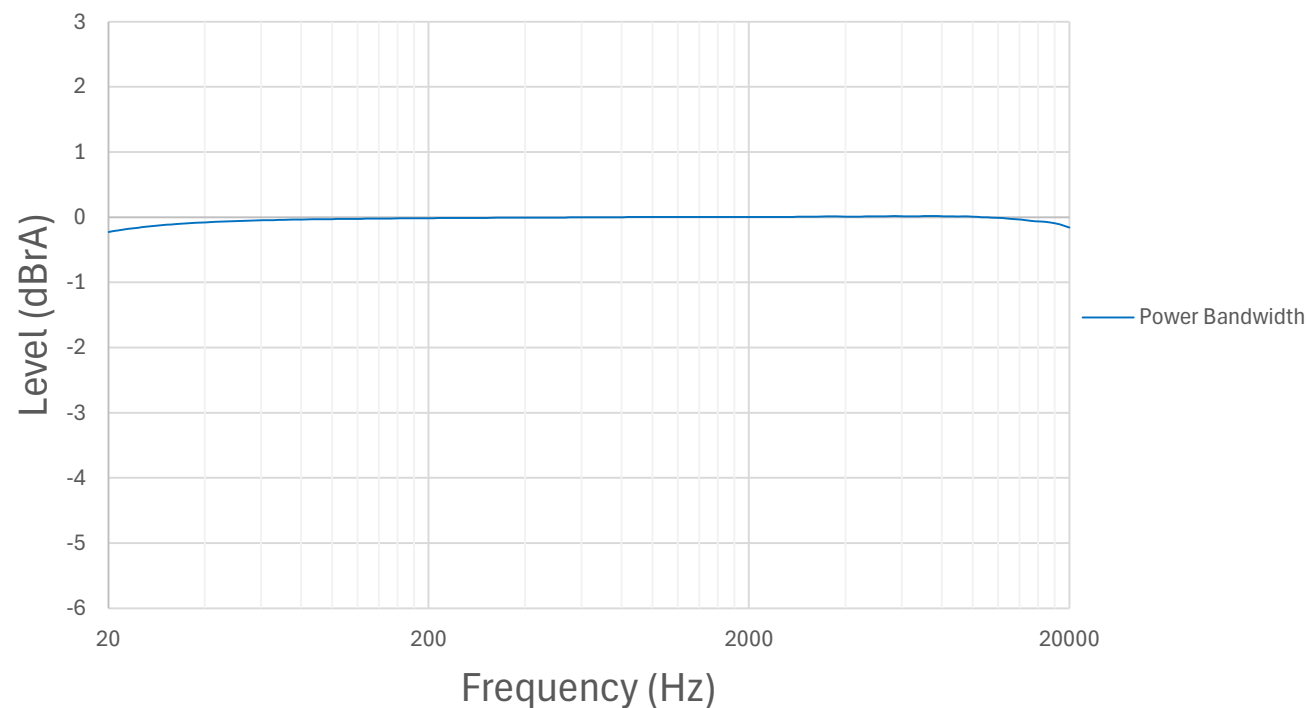


SUB - THD+N vs. Power (W) @14.4VDC



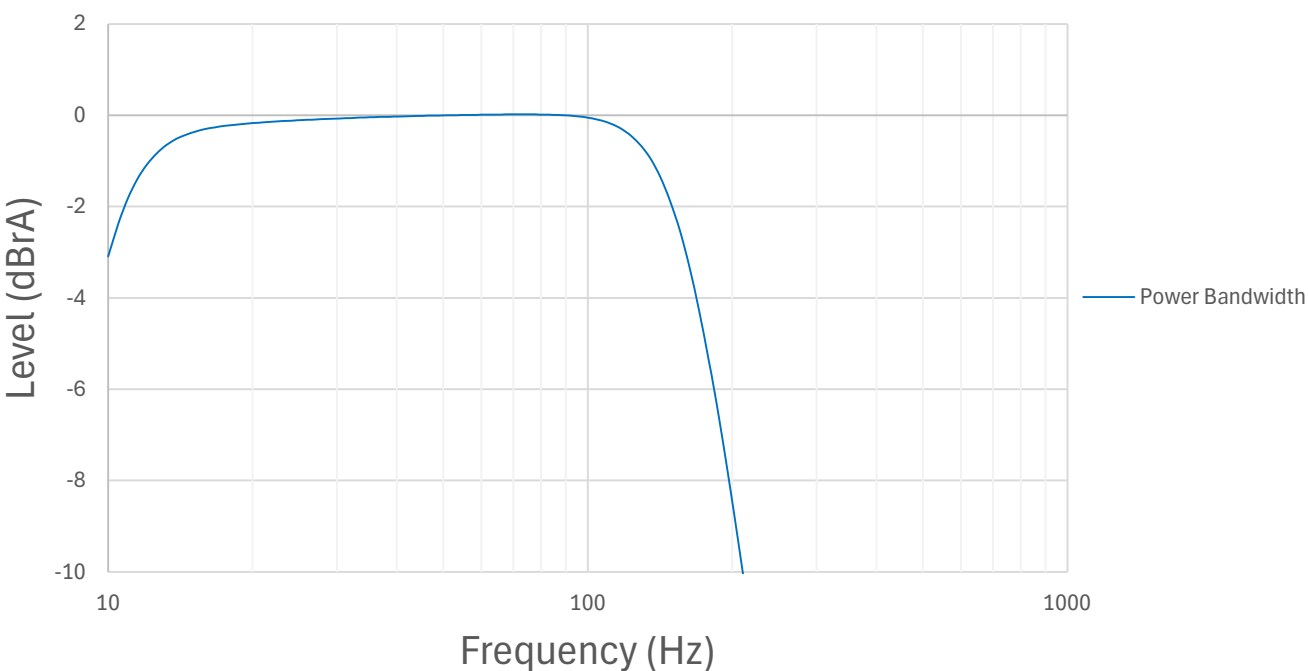
**AMP1 and AMP2 - Power Bandwidth (4Ω) @14.4VDC**

Power Bandwidth, re: Rated Power (75W @ 4Ω)

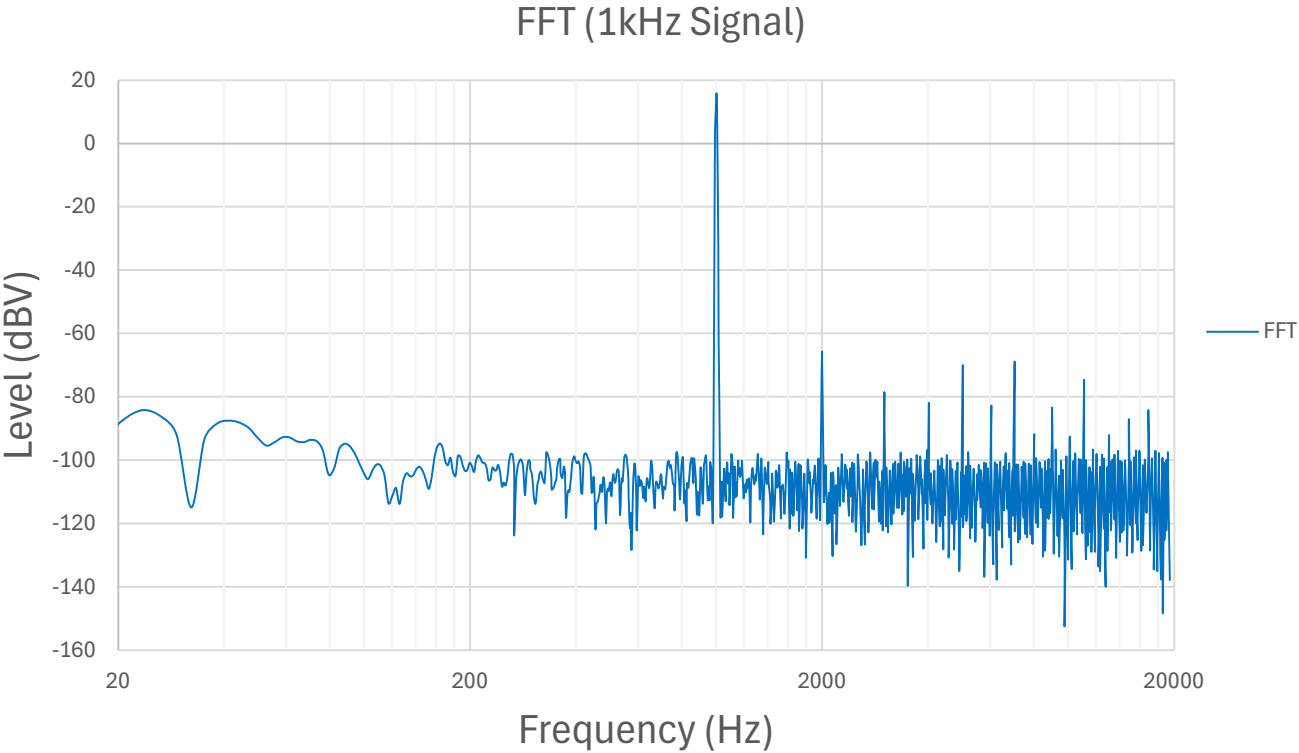


**SUB - Power Bandwidth (4Ω) @14.4VDC**

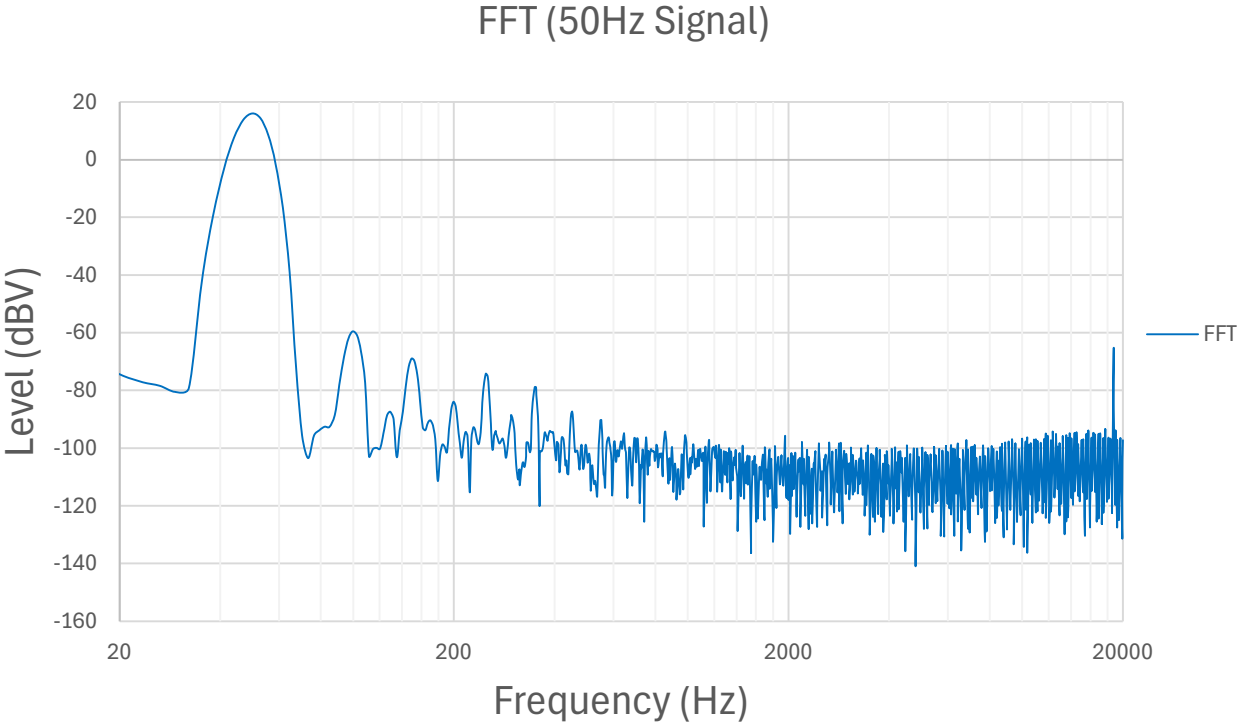
Power Bandwidth, re: Rated Power (200W @ 4Ω)



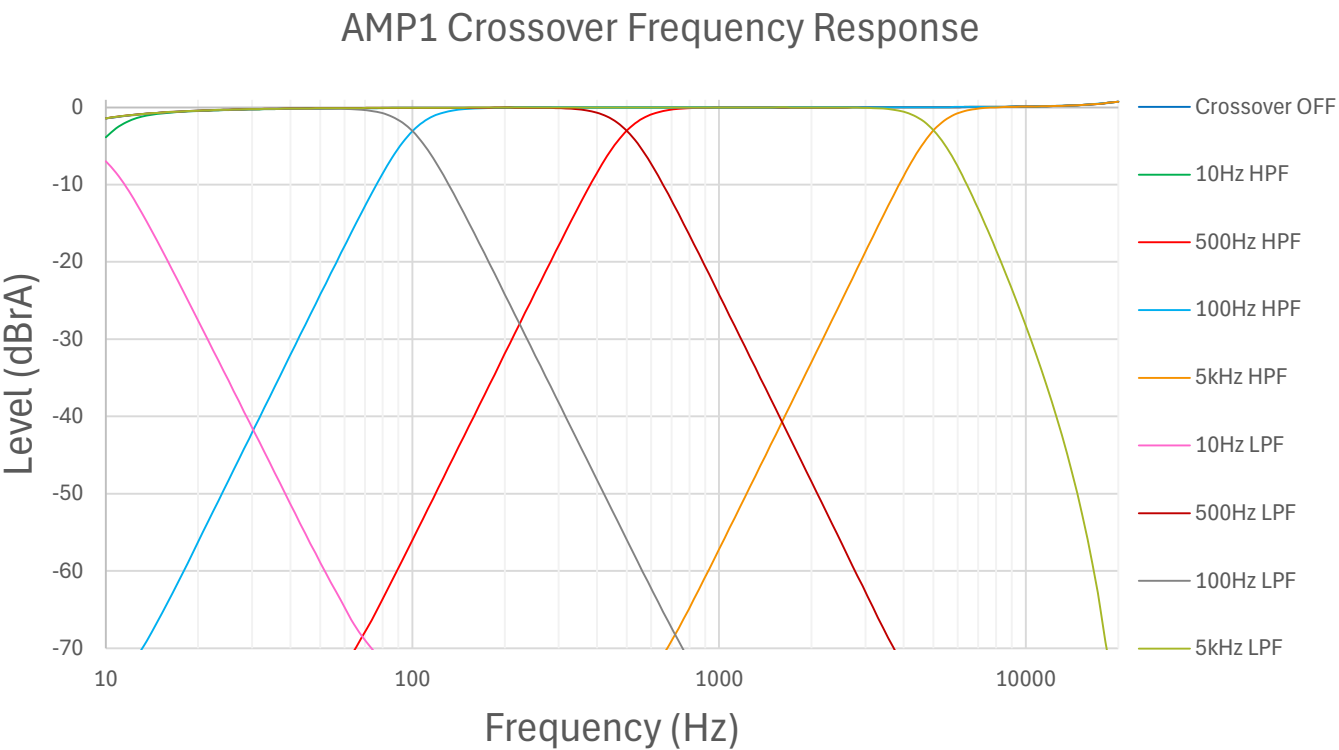
AMP1 and AMP2 - FFT



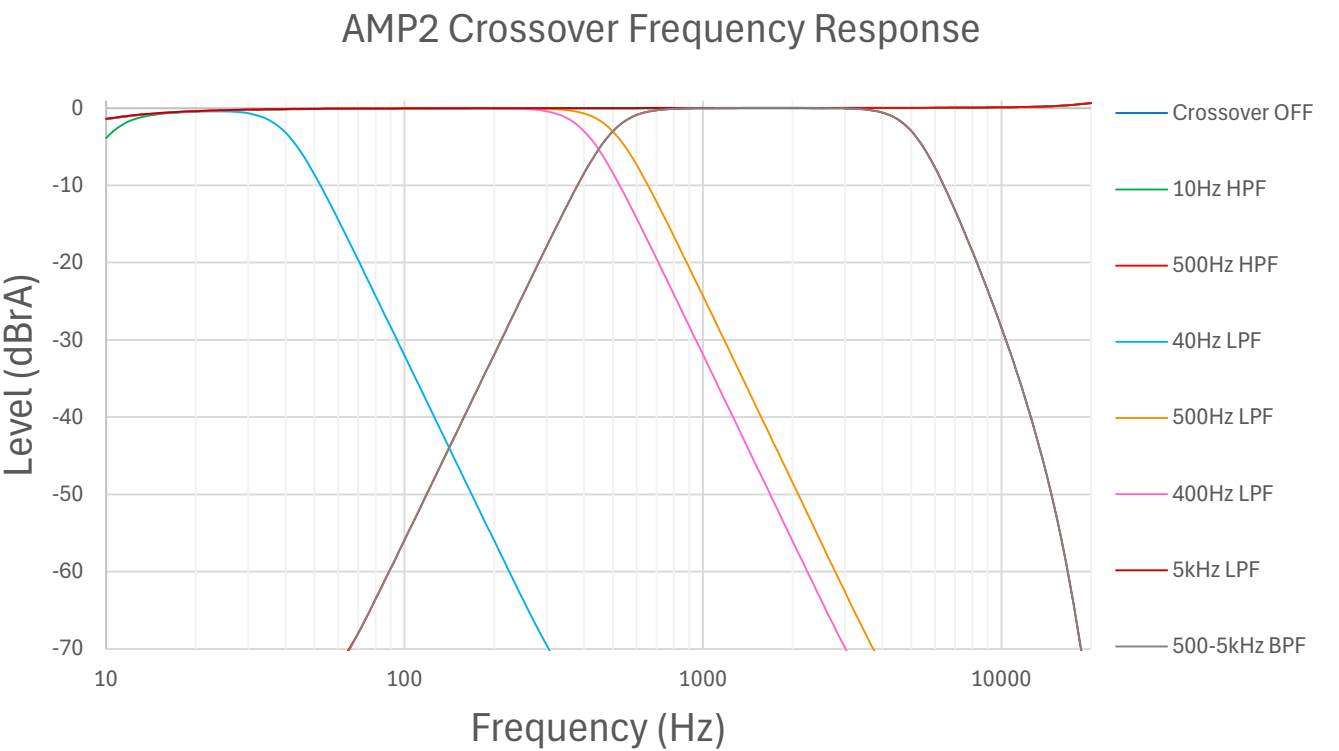
SUB - FFT



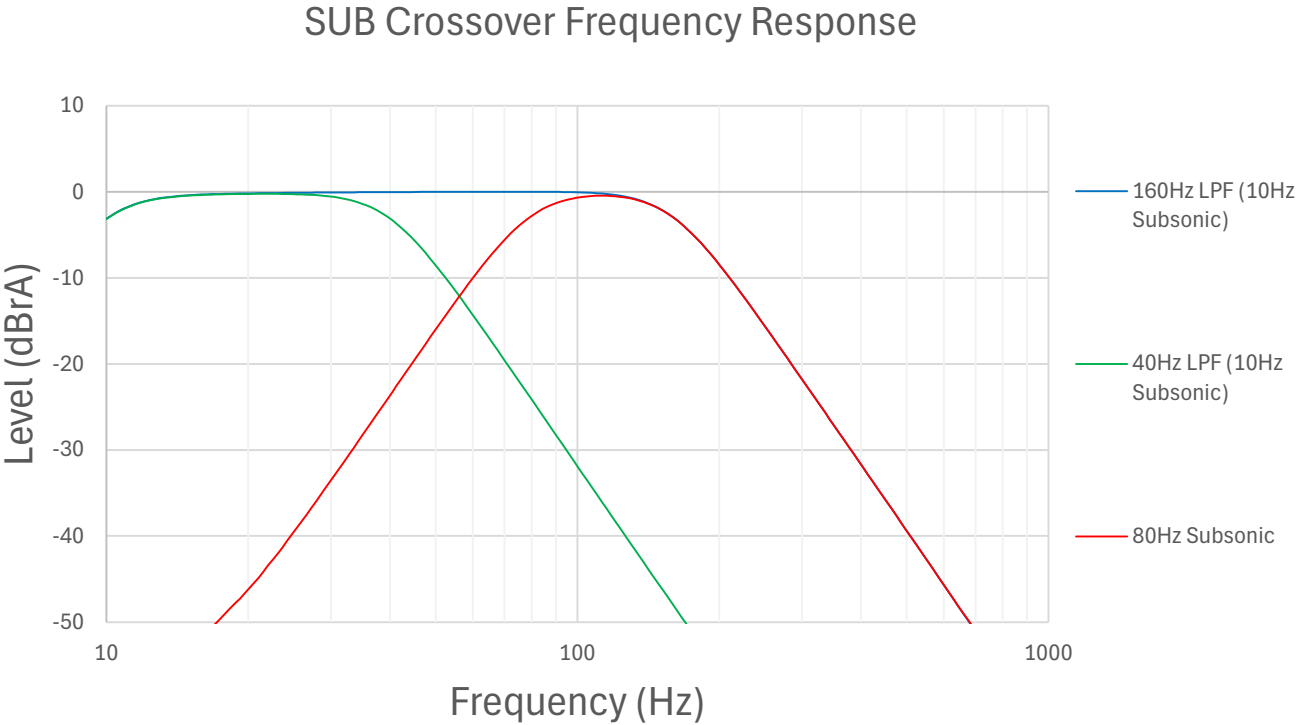
# AMP1 Crossover Frequency Response



# AMP2 Crossover Frequency Response



# SUB Crossover Frequency Response



# KickEQ™

