



48PXA1000.5

Waterproof 4x100 Watt Class-D Full-Range Amplifier W/600 Watt Mono Amplifier; RoHS Compliant

## Specifications

### Electrical Parameters

Power (@14.4V, <1%THD+N)	<b>4Ω Stereo</b>	100W x 4
Power (@14.4V, <1%THD+N)	<b>2Ω Stereo</b>	150W x 4
Power (@14.4V, <1%THD+N)	<b>4Ω Bridged</b>	300W x 2
Power (@14.4V, <1%THD+N)	<b>4Ω Mono</b>	300W x 1
Power (@14.4V, <1%THD+N)	<b>2Ω Mono</b>	500W x 1
Power (@14.4V, <1%THD+N)	<b>1Ω Mono</b>	600W x 1
Dynamic Power (@14.4V, <10%THD+N)	<b>4Ω Bridged + 1Ω Mono</b>	1400W
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)		25Hz - 200Hz
Selectable HiPass Filter (Amp 1 & 2)	<b>24dB / Octave BW</b>	OFF, 80Hz, 120Hz
Selectable LoPass Filter (Sub)	<b>24dB / Octave BW</b>	60Hz, 80Hz, 100Hz, 120Hz
Fixed Subsonic Filter (Sub)	<b>24dB / Octave BW</b>	25Hz
KickEQ™ Selectable Bass Boost (Sub)	<b>40Hz</b>	0dB, 6dB
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<150A
Remote Gain Attenuation (Sub)		-26dB - 0dB
Low Level Input Sensitivity		125mV - 5V
High Level Input Sensitivity		1V - 40V
Under Voltage Protection		8.5V (warning at 10.5V)
Over Voltage Protection		16V

### What's in the box?

48PXA1000.5

PXA1000.5 Customer Information Card

Stainless Steel Mounting Hardware

2 DC Power Wire Couplers

### Physical Materials

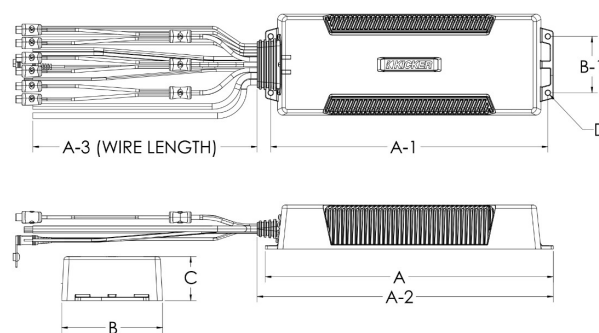
<b>Heat Sink</b>	Powder Coated Die Cast Aluminum
<b>Bottom Panel</b>	Anodized Stamped Aluminum
<b>Signal Wire Pigtail</b>	3x Twisted Pair Conductor RCA
<b>Power Wire Pigtail</b>	8AWG OFC Power and Ground/16AWG OFC remote
<b>Subwoofer Speaker Wire Pigtail</b>	12AWG OFC Sub
<b>Full Range Speaker Wire Pigtail</b>	16AWG OFC Full Range (CEA Color Coding Standard)



### Features

- IP66/IP67 Certified Waterproof Amplifier Design
- Inline Power and Ground Couplers that need no soldering or crimping
- Unlock DSP features with optional PXAPT and KPT software (sold separately)
- Intelligent Thermal Rollback for All-day play time
- Subsonic Filter for subwoofer protection
- KickEQ™ Bass Boost (Sub Channel only)
- Compact Footprint - Ideal for space challenged vehicles
- Remote Output Level Control with CXARC (sold separately)

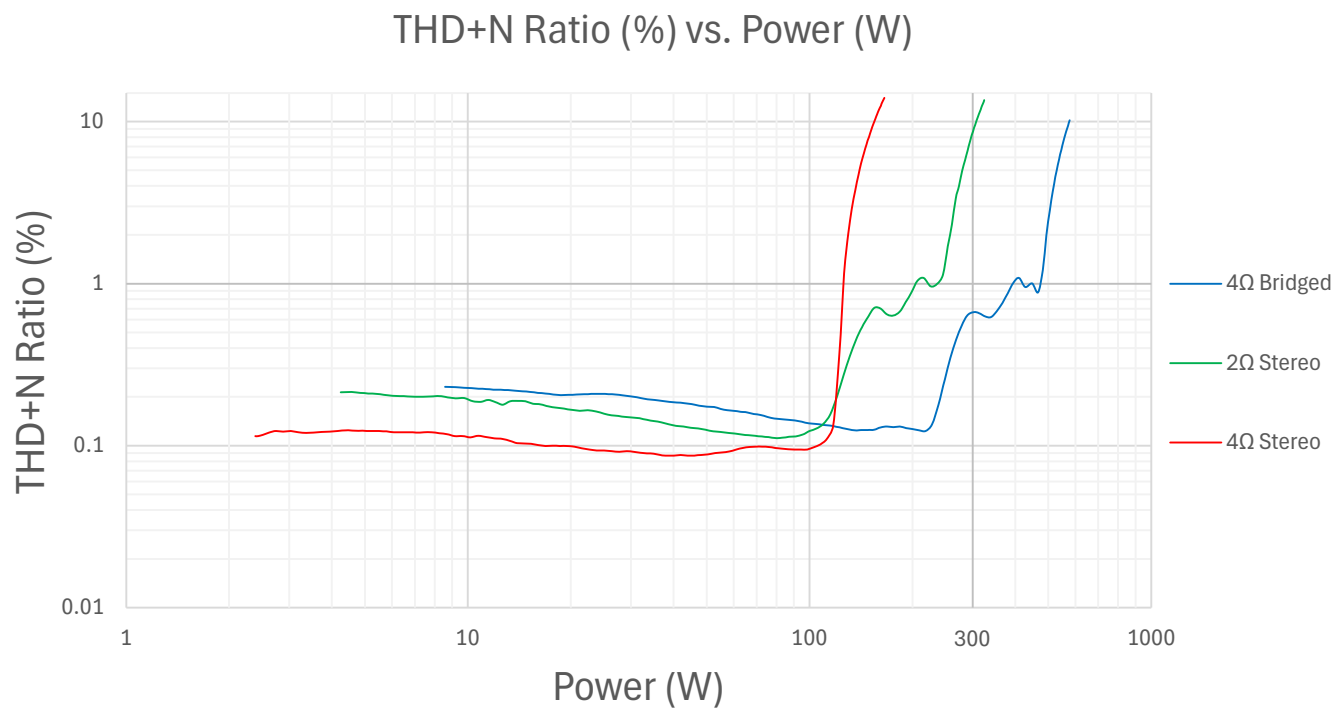
### Unit Dimensions



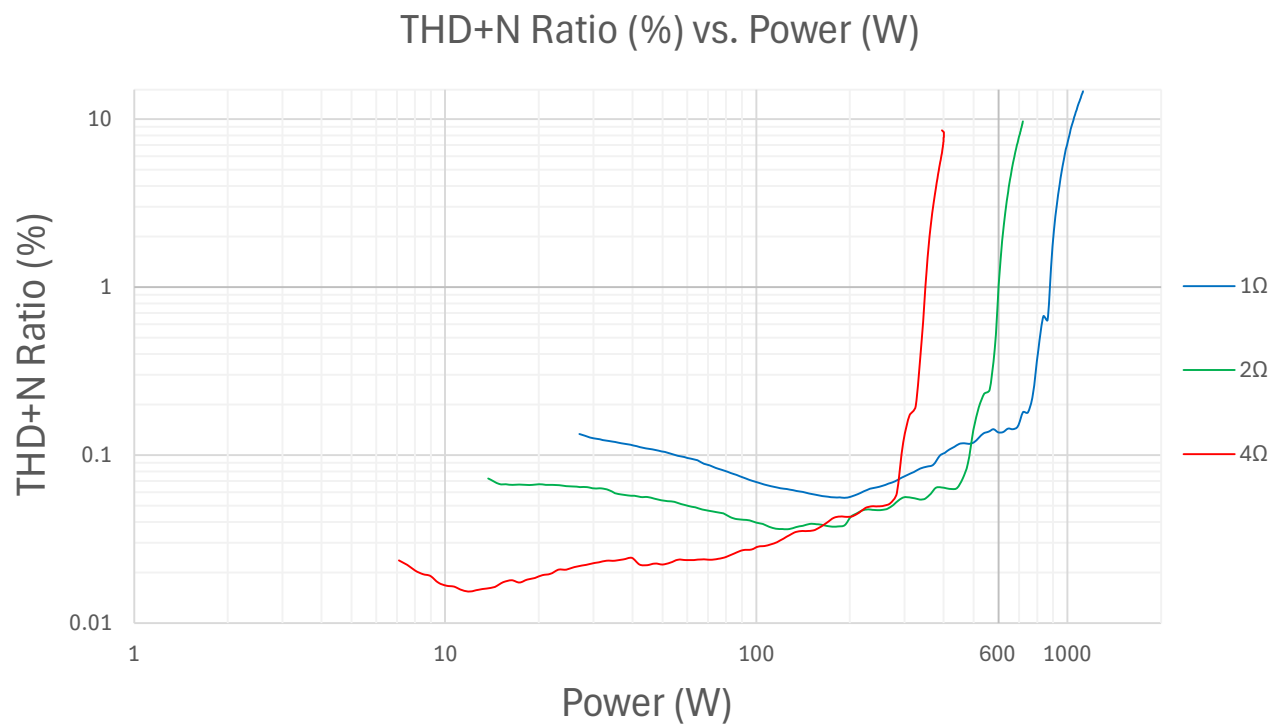
A - Overall Length	<b>12-7/8"</b>	<b>327.5mm</b>
A-1 - Mounting Holes Location - Length	<b>12-7/16"</b>	<b>315.2mm</b>
A-2 - Overall Length with Bulkhead	<b>13-1/4"</b>	<b>336.8mm</b>
A-3 - Wire Length	<b>9-13/16"</b>	<b>250.0mm</b>
B - Overall Width	<b>4-1/2"</b>	<b>114.7mm</b>
B-1 - Mounting Holes Location - Width	<b>2-1/2"</b>	<b>64.0mm</b>
C - Overall Height	<b>1-15/16"</b>	<b>50.0mm</b>
D - Mounting Hole Diameter	<b>7/32"</b>	<b>5.5mm</b>

Technical Graph Data

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

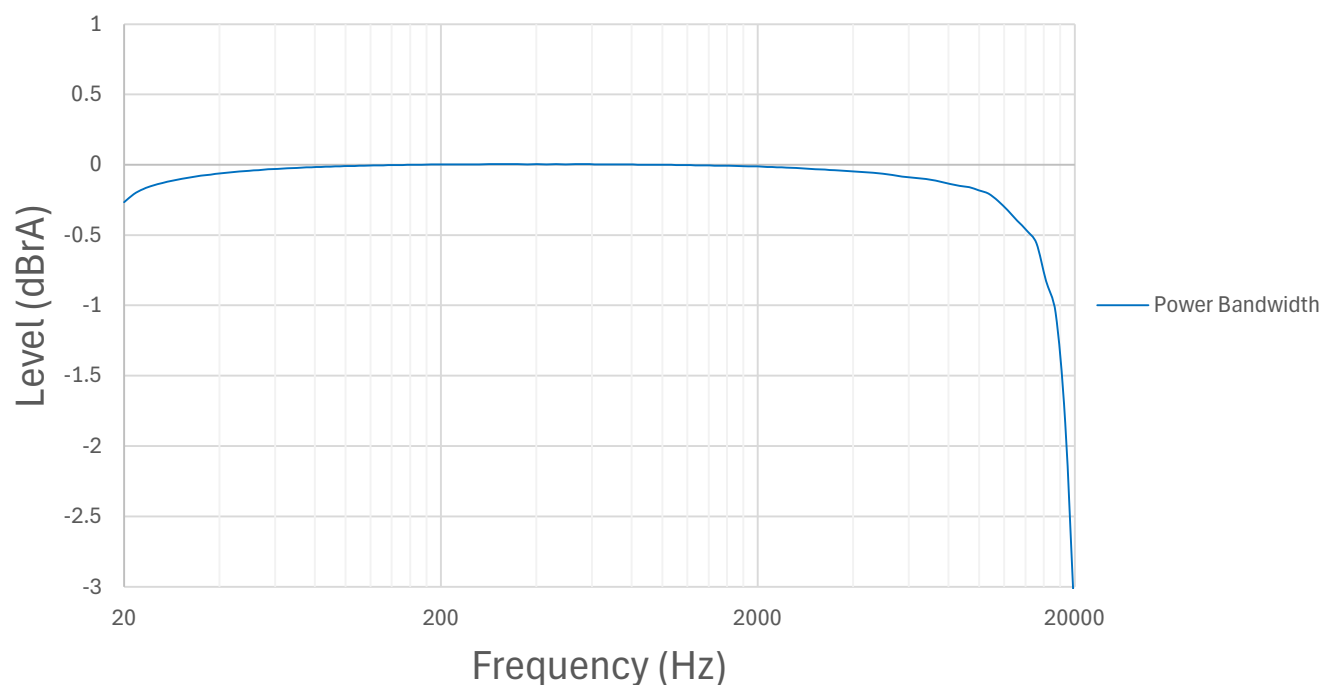


SUB - THD+N vs. Power (W) @14.4VDC



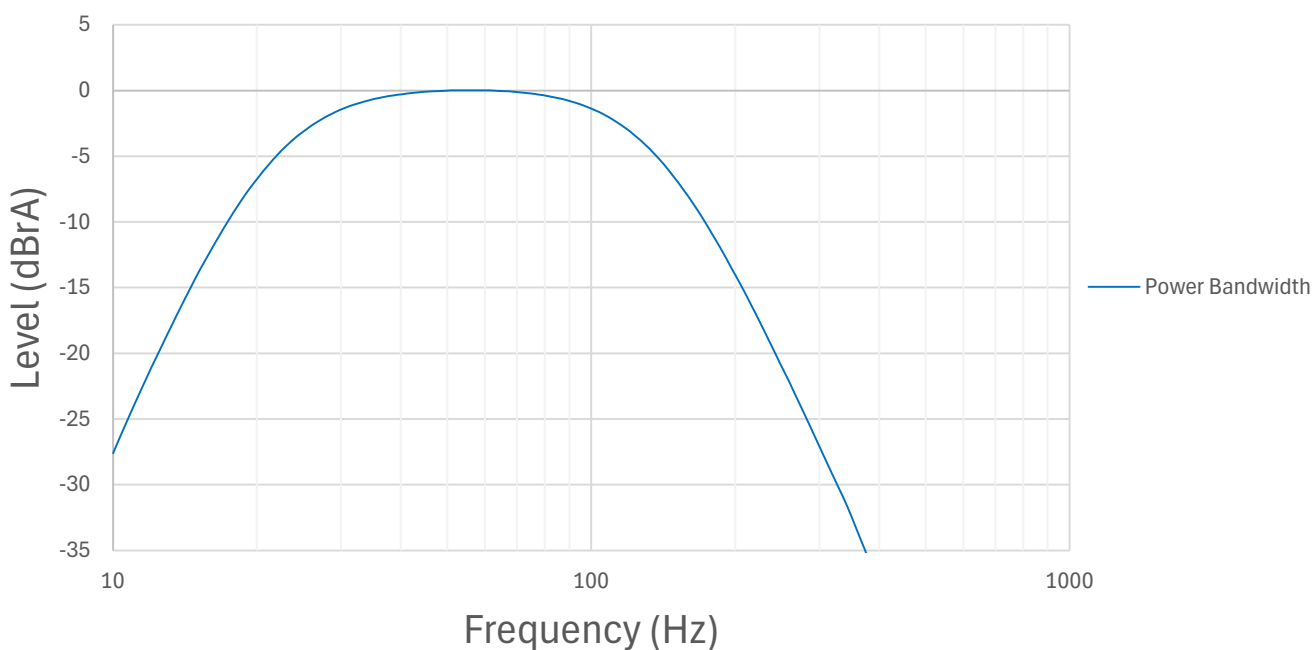
## AMP1 and AMP2 - Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (100W @ 4Ω)

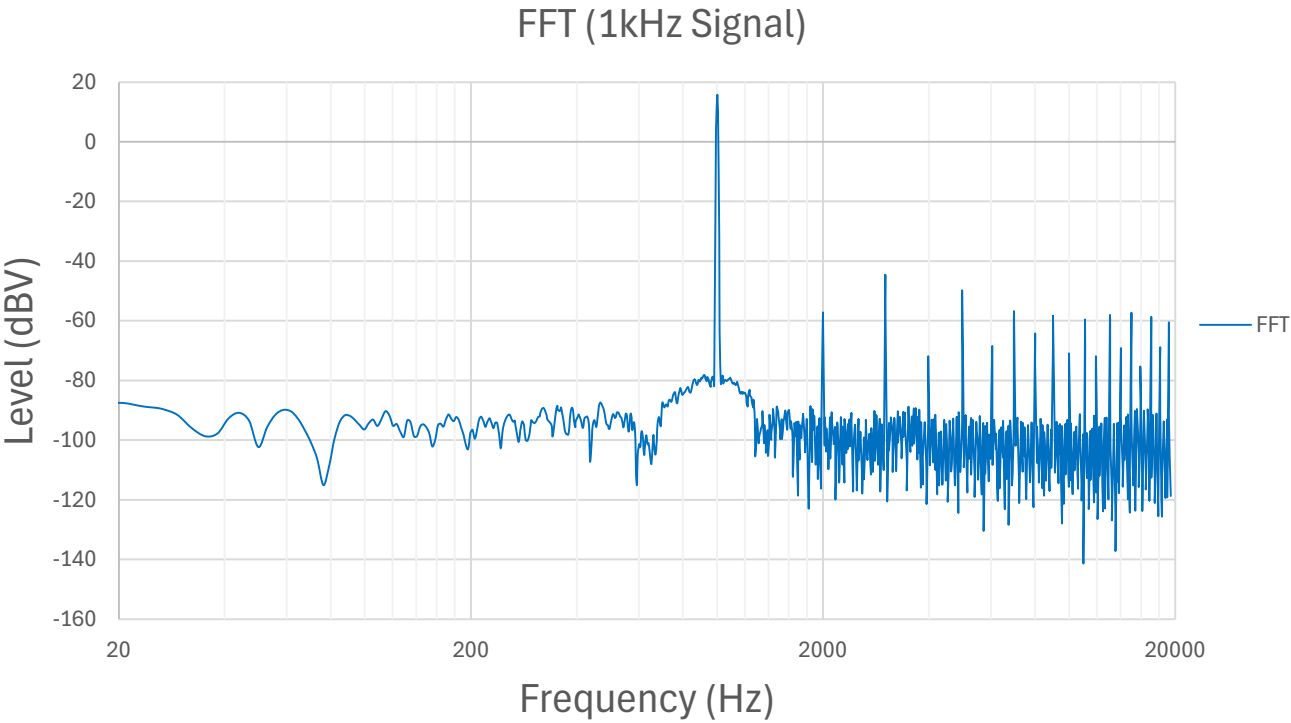


## SUB - Power Bandwidth (4Ω) @14.4VDC

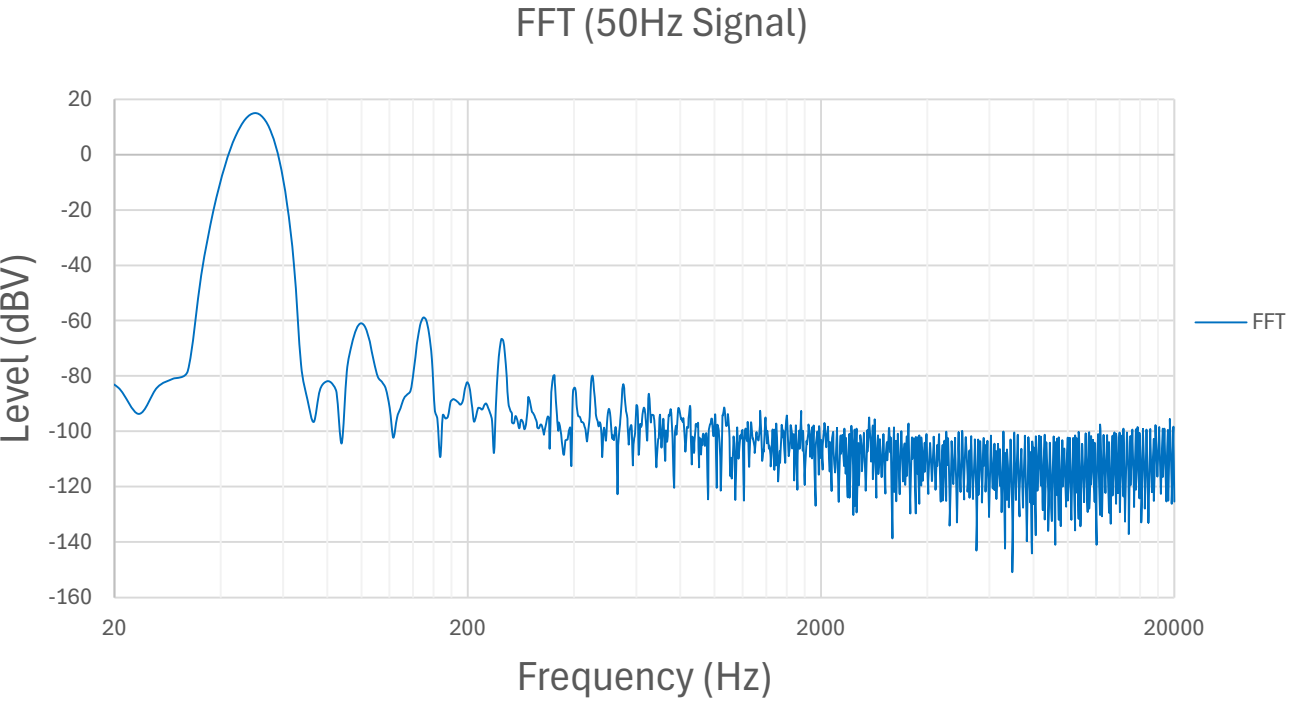
Power Bandwidth, re: Rated Power (300W @ 4Ω)



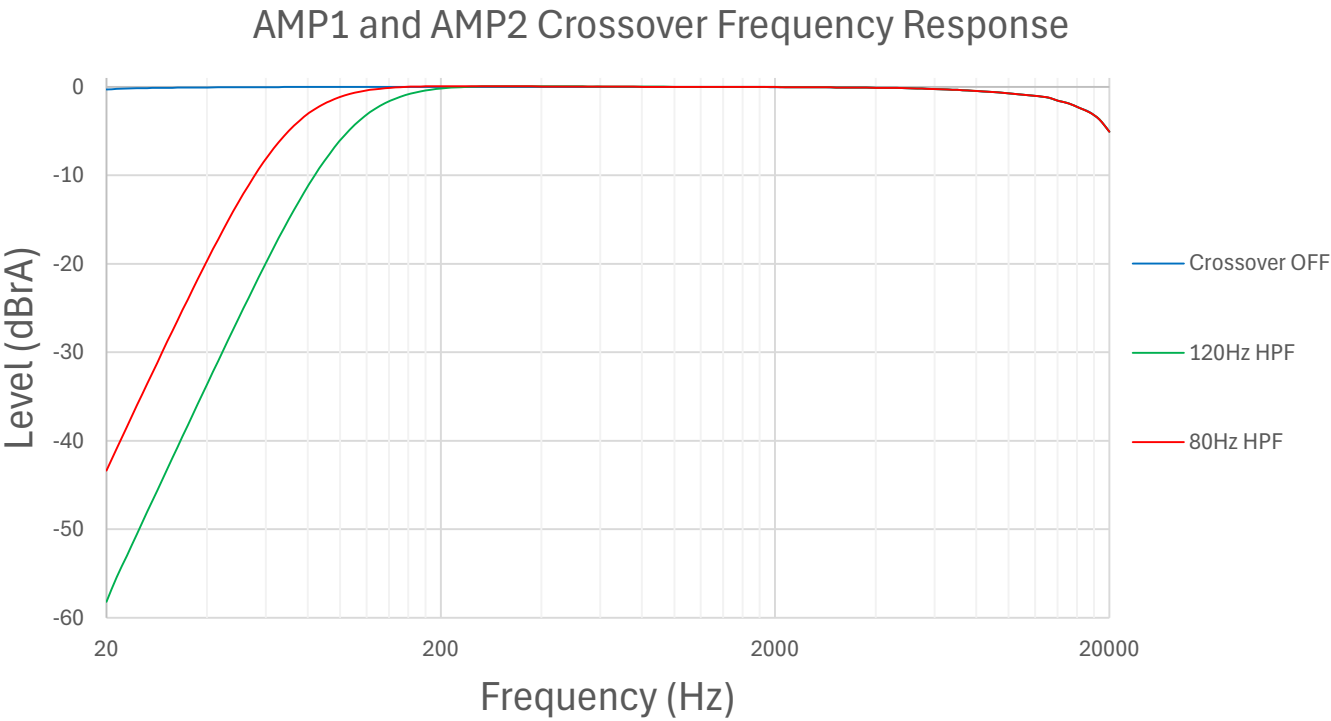
AMP1 and AMP2 - FFT



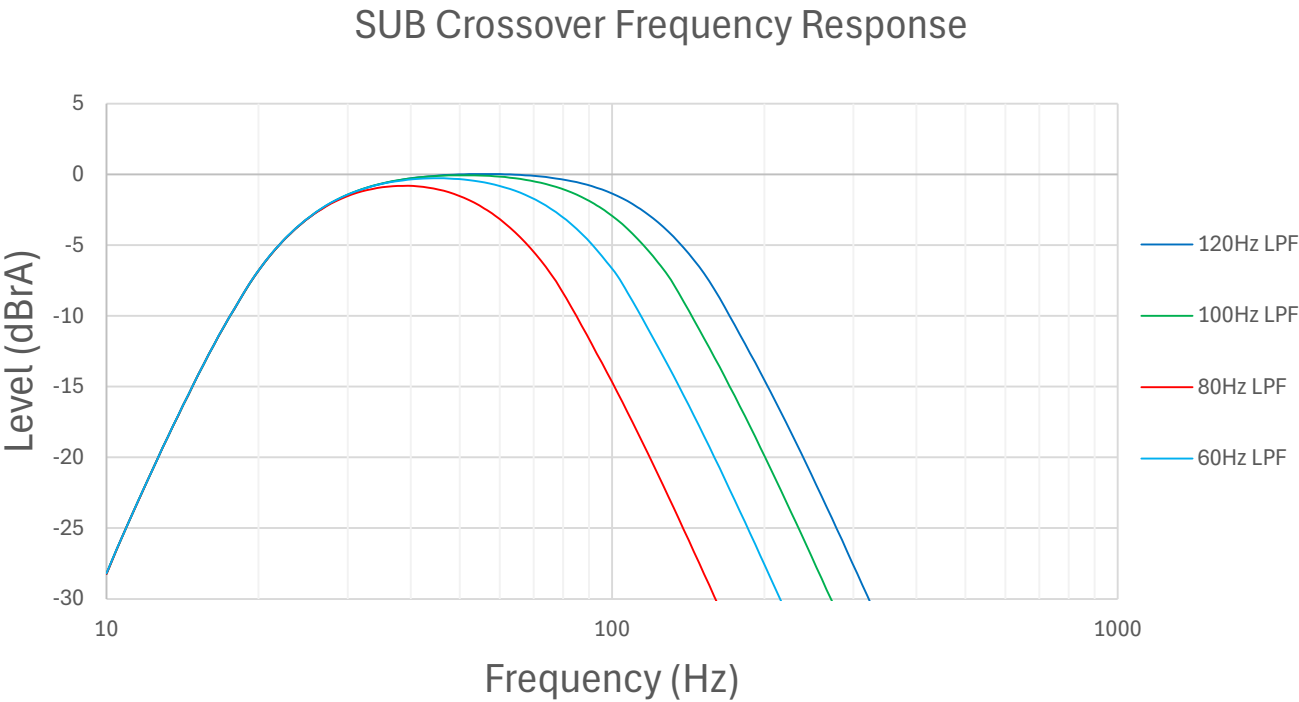
SUB - FFT



AMP1 and AMP2 Crossover Frequency Response



SUB Crossover Frequency Response



KickEQ™

