



46CXA660.5

4x90 Watt Class A/B Full Range Amplifier w/300 Watt Class D Mono Amplifier; RoHS Compliant

## Specifications

### Electrical Parameters

Power (@14.4V, <1%THD+N)	<b>4Ω Stereo</b>	65W x 4
Power (@14.4V, <1%THD+N)	<b>2Ω Stereo</b>	90W x 4
Power (@14.4V, <1%THD+N)	<b>4Ω Bridged</b>	180W x 2
Power (@14.4V, <1%THD+N)	<b>4Ω Mono</b>	150W x 1
Power (@14.4V, <1%THD+N)	<b>2Ω Mono</b>	300W x 1
Lowest Rated Impedance (Amp 1 & 2)		2Ω Stereo / 4Ω Bridged
Lowest Rated Impedance (Sub)		2Ω
Signal to Noise Ratio (CEA)	<b>1W</b>	>-75dB
Signal to Noise Ratio	<b>Rated Power</b>	>-90dB
Channel Separation (Rated Power)	<b>1000Hz</b>	>55dB
CMRR (Amp 1 & 2)	<b>1000Hz</b>	-40dB
CMRR (Sub)	<b>50Hz</b>	-40dB
Input Impedance		>100kΩ
Frequency Response (Amp 1 & 2)		10Hz - 20kHz
Frequency Response (Sub)		25Hz - 200Hz
Variable HiPass Filter (Amp 1 & 2)	<b>12dB / Octave BW</b>	10Hz - 200Hz
Variable LoPass Filter (Sub)	<b>12dB / Octave BW</b>	50Hz - 200Hz
Fixed Subsonic Filter (Sub)	<b>24dB / Octave BW</b>	25Hz
KickEQ™ Variable Bass Boost (Sub)	<b>40Hz</b>	0dB - 6dB
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<80A
Remote Gain Attenuation (Sub)		-26dB - 0dB
Low Level Input Sensitivity		125mV - 5V
High Level Input Sensitivity		1V - 40V
Under Voltage Protection		8V (warning at 10.5V)
Over Voltage Protection		16V

### What's in the box?

46CXA660.5
CX Amplifiers Owner's Manual
KICKER® Power Chart
Hardware Pack - 3mm hex key, mounting hardware, and vertical mounting brackets

### Physical Materials

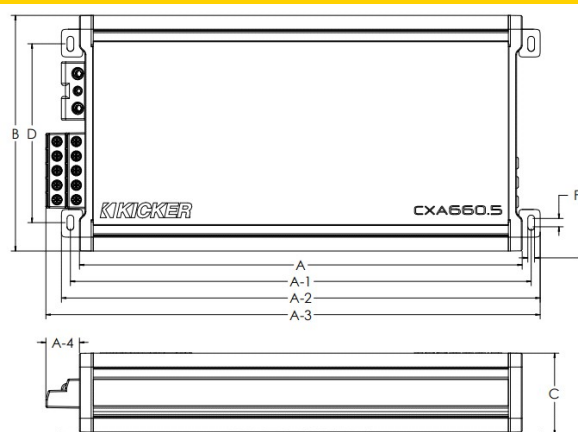
<b>Heat Sink</b>	UV Treated Anodized Extruded Aluminum
<b>End Plate</b>	Powder Coated Stamped Steel
<b>End Plate Trim</b>	Painted Injection Molded ABS Plastic
<b>Bottom Plate</b>	Powder Coated Stamped Steel
<b>Vertical Mounting Brackets</b>	Powder Coated Stamped Steel



### Features

- Variable Active Crossover for ideal speaker matching
- Subsonic Filter for subwoofer protection
- Compatible with Start/Stop technology
- Vertical Mounting Hardware included for another unique look
- KickEQ™ Bass Boost for additional low frequencies
- FIT+™ Differential Inputs - near universal compatibility with source units
- Remote Output Level Control (Sub Only) with CXARC (sold separately)

### Unit Dimensions

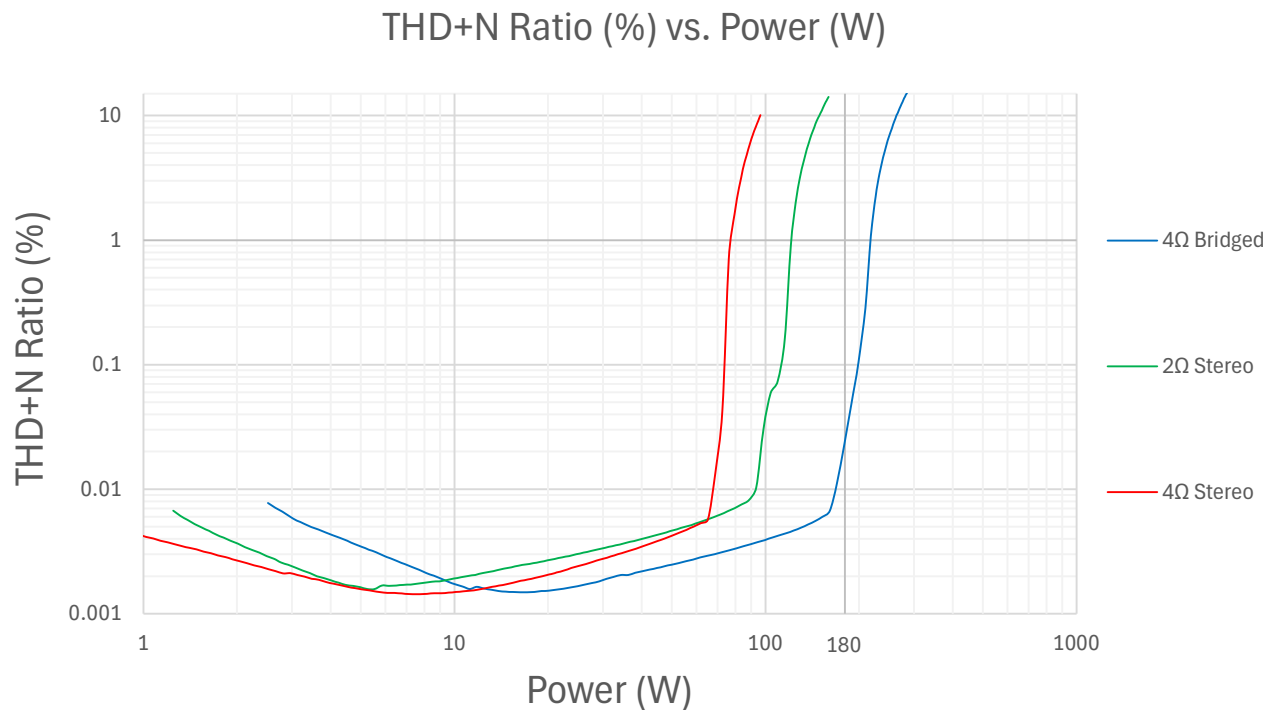


\* The use of vertical mounting brackets adds 2.1mm to total length and 4.5mm to total width

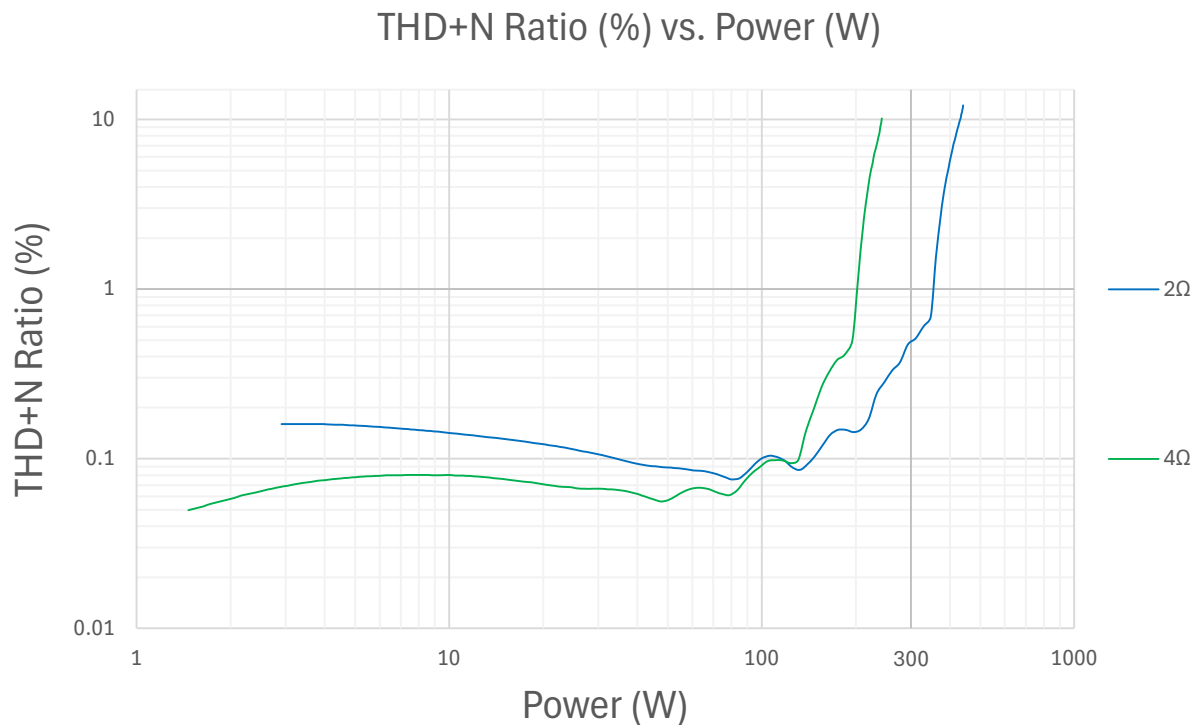
A - Chassis Length	<b>12-19/32"</b>	<b>320.0mm</b>
A-1 - Mounting Holes Location - Length	<b>13-1/8"</b>	<b>333.0mm</b>
A-2 - Mount to Mount Total Length	<b>13-5/8"</b>	<b>346.0mm</b>
A-3 - Overall Length	<b>14-1/16"</b>	<b>357.3mm</b>
A-4 - Speaker Terminal Length	<b>31/32"</b>	<b>24.2mm</b>
B - Overall Width	<b>6-11/16"</b>	<b>170.0mm</b>
C - Overall Height	<b>2-5/16"</b>	<b>59.0mm</b>
D - Mounting Holes Location - Width	<b>5-3/32"</b>	<b>129.0mm</b>
E - Mounting Holes Diameter	<b>3/16"</b>	<b>4.9mm</b>
F - Mounting Holes Width	<b>1/4"</b>	<b>6.0mm</b>

## Technical Graph Data

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

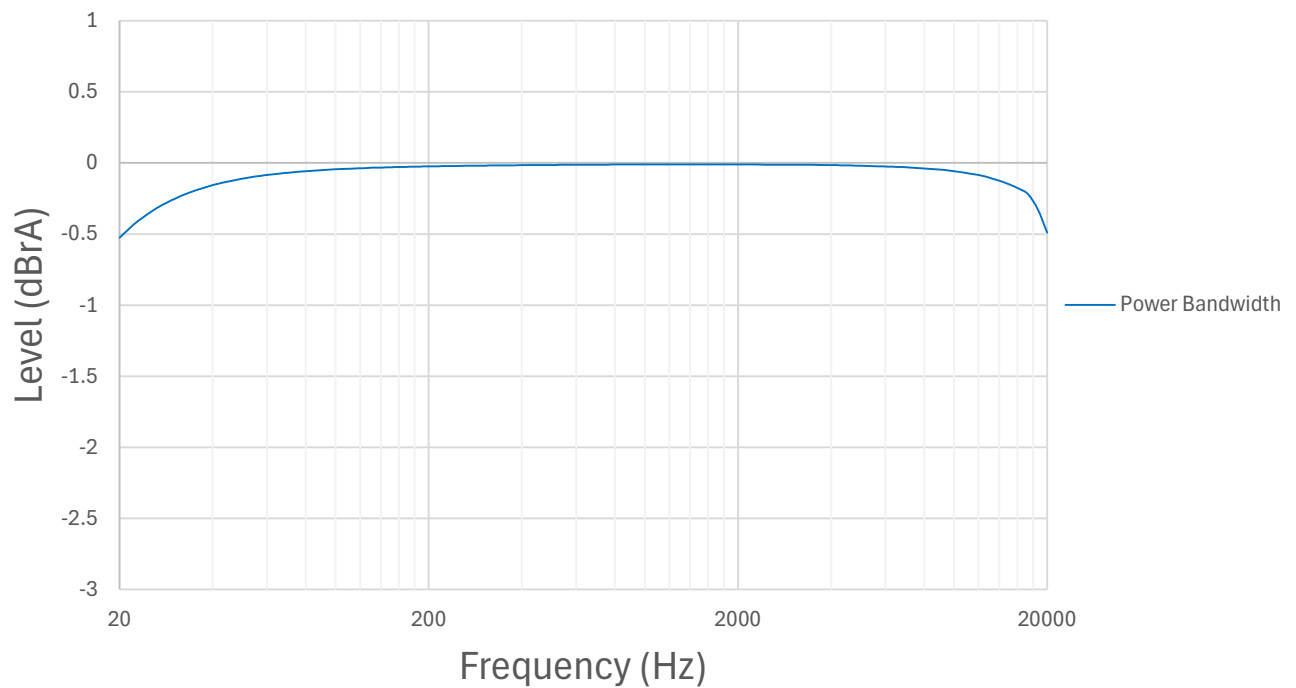


### SUB - THD+N vs. Power (W) @14.4VDC



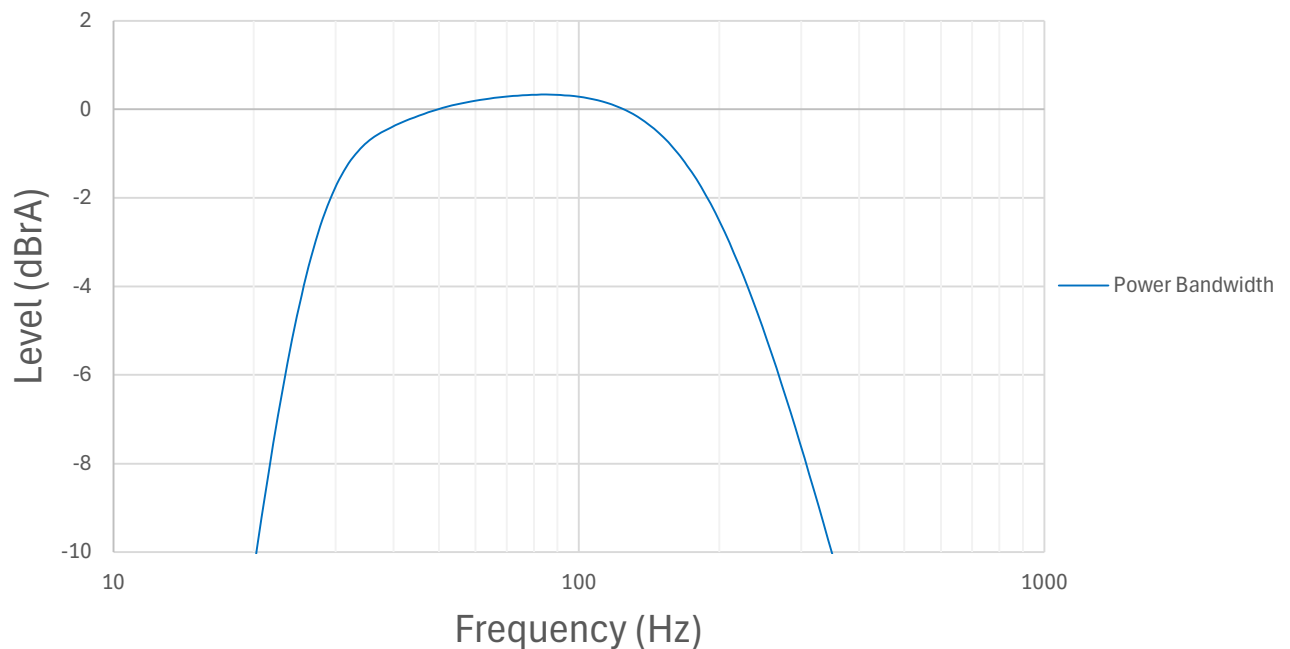
## AMP1 and AMP2 - Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (65W @ 4Ω)

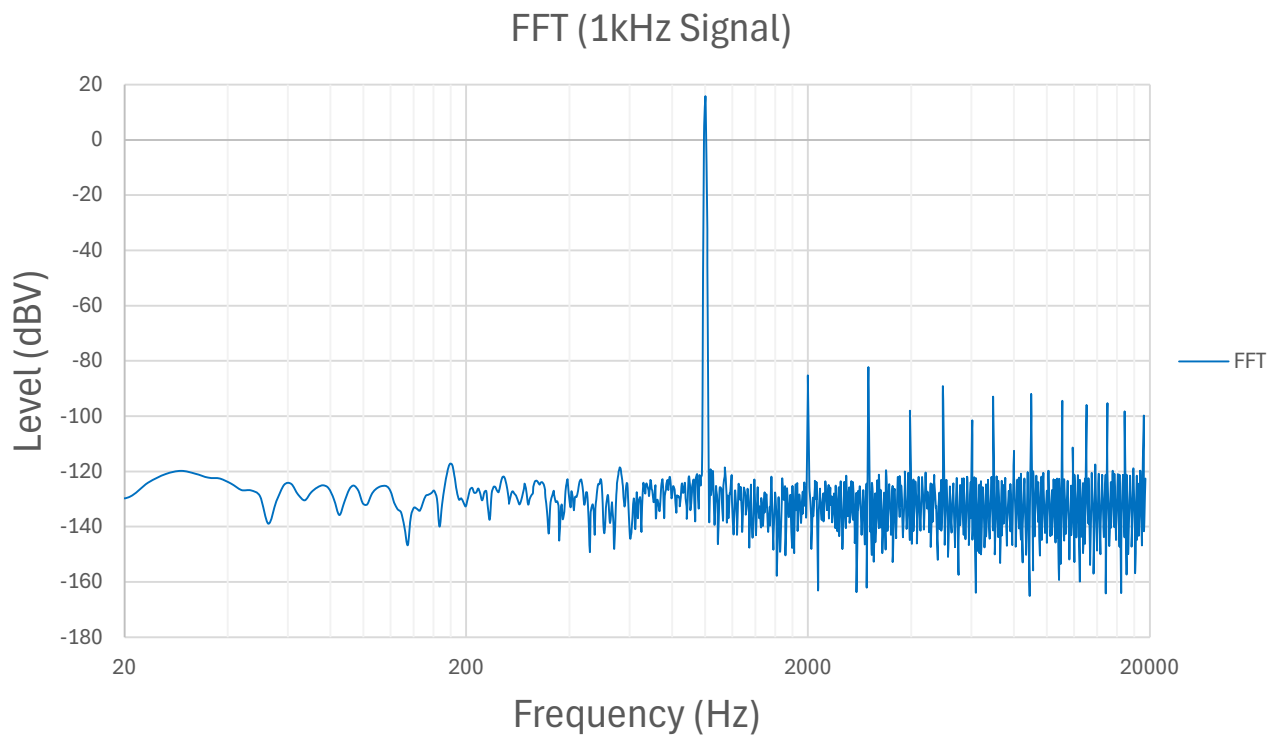


## SUB - Power Bandwidth (4Ω) @14.4VDC

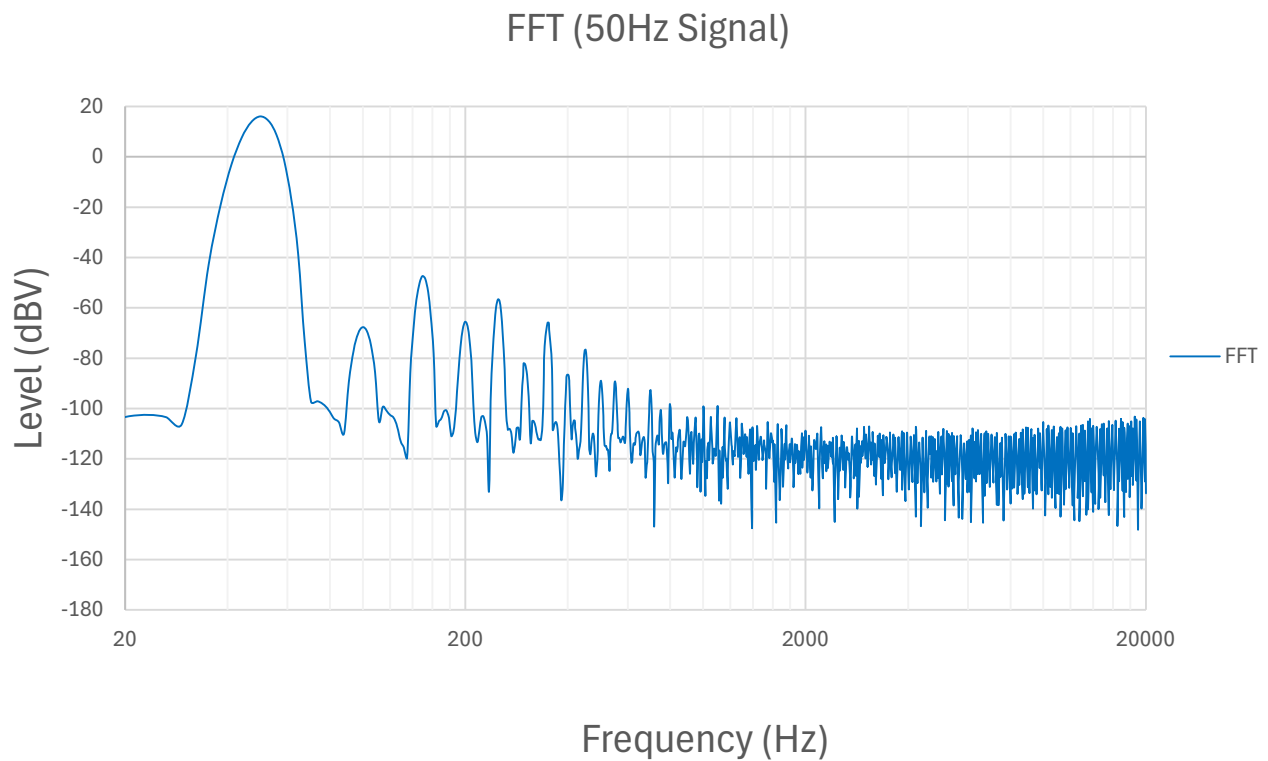
Power Bandwidth, re: Rated Power (150W @ 4Ω)



## AMP1 and AMP2 - FFT

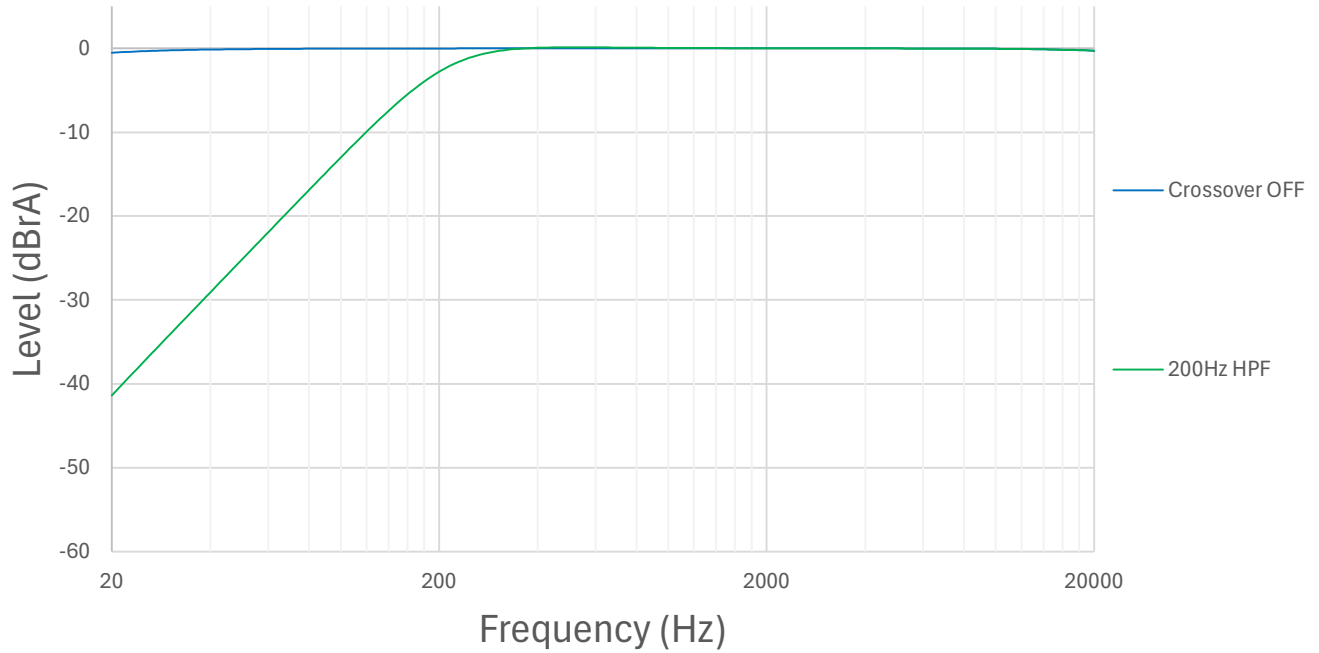


## SUB - FFT



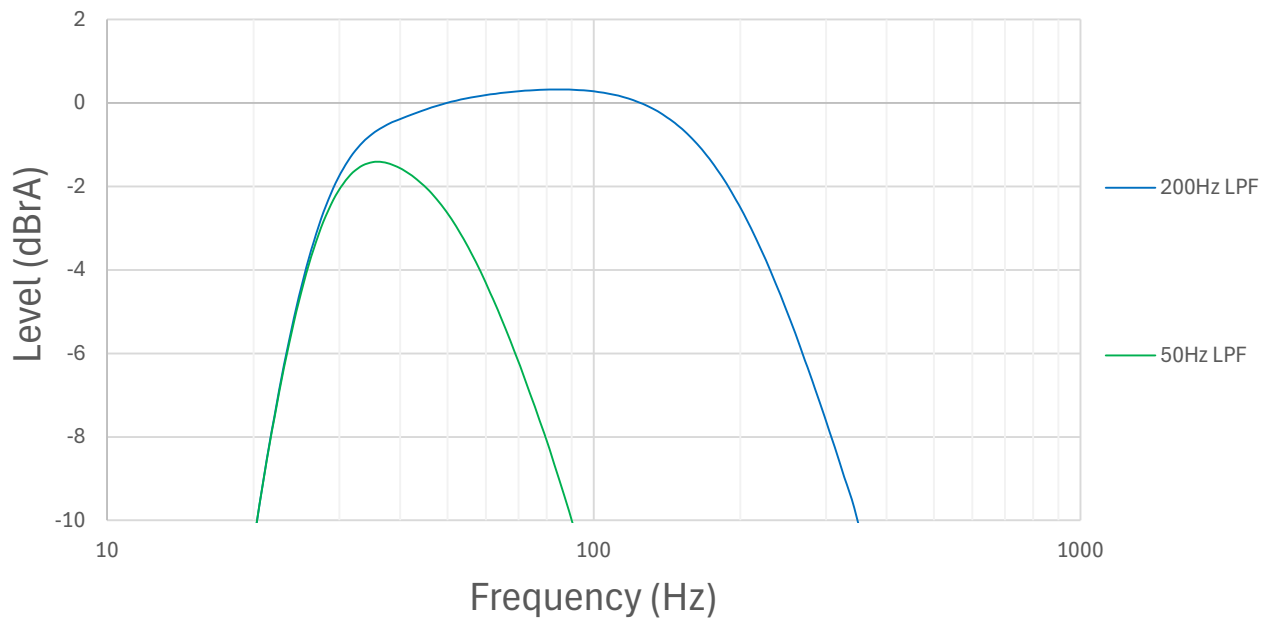
## AMP1 and AMP2 Crossover Frequency Response

AMP1 and AMP2 Crossover Frequency Response



## SUB Crossover Frequency Response

SUB Crossover Frequency Response



## SUB KicKEQ™

