

# KICKER®

53VXA600.5

4x75 Watt Class D 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>	50W x 4
Power (@14.4V, <1%THD+N)	<b>2Ω Stereo</b>	75W x 4
Power (@14.4V, <1%THD+N)	<b>4Ω Bridged</b>	150W 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
Dynamic Power (@14.4V, <1%THD+N)	<b>4Ω Bridged + 2Ω Mono</b>	750W
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)		10Hz - 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>	15Hz
KickEQ™ Variable Bass Boost (Sub)	<b>40Hz</b>	0dB - 6dB
Standby Current (Remote Off)		<2mA
Idle Current (Remote On)		<3A
Current Draw (Rated Power)		<60A
Remote Gain Attenuation (Sub)		-26dB - 0dB
Input Sensitivity		125mV - 10V
Under Voltage Protection		8V
Over Voltage Protection		16V

### What's in the box?

53VXA600.5 Amplifier
VXARC Remote Bass Control and Cable
VXA 5CH Customer Information Card
KICKER® Birth Certificate
Hardware Pack - 3mm Hex Key, Mounting Hardware

### Physical Materials

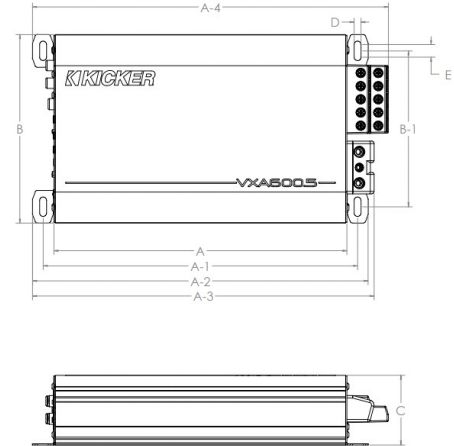
Heat Sink	Powder Coated Extruded Aluminum
End Plate	Powder Coated Stamped Steel
Bottom Plate	Powder Coated Stamped Steel
VXARC Bass Knob	Painted Injection Molded Plastic



### Features

- Variable Active Crossover for ideal speaker matching
- Subsonic Filter for subwoofer protection
- Compatible with Start/Stop technology
- Class SB Source Unit Compatible
- KickEQ™ Bass Boost for additional low frequencies
- FIT™ Differential Inputs - near universal compatibility with source units
- VXARC Remote Bass Control Included

### Unit Dimensions

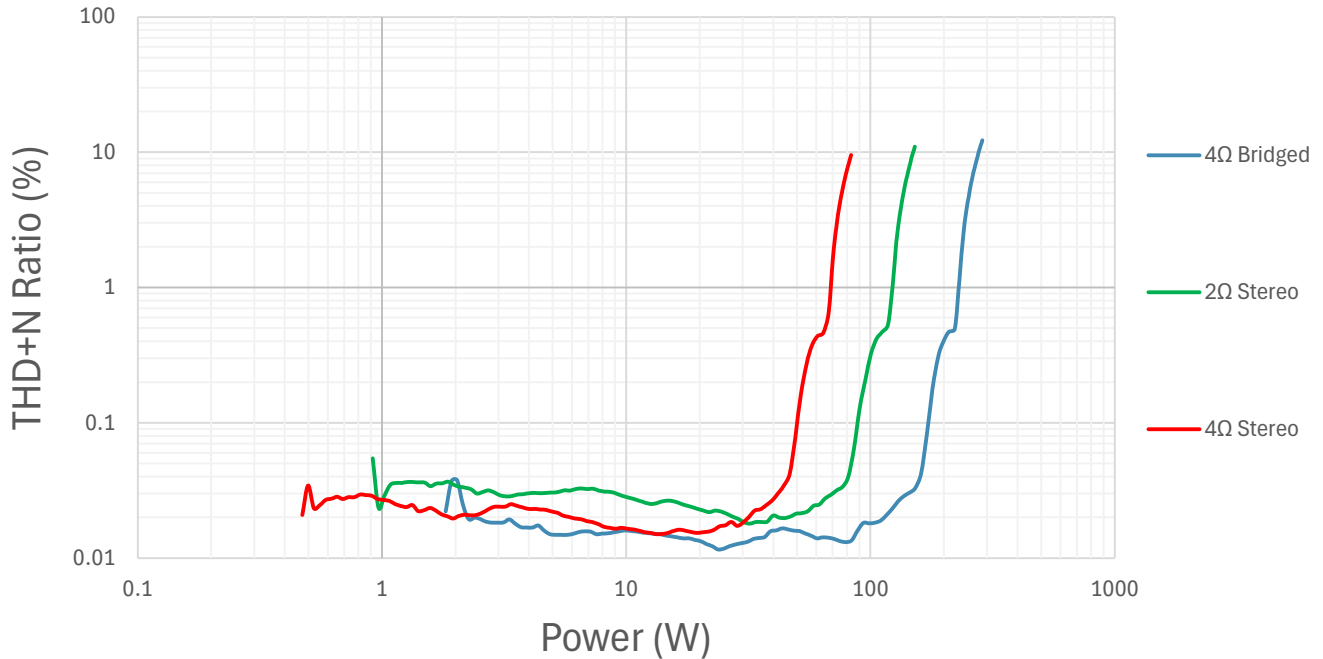


A - Chassis Length	<b>9-3/16"</b>	<b>233.0mm</b>
A-1 - Mounting Holes Location - Length	<b>9-27/32"</b>	<b>250.0mm</b>
A-2 - Mount to Mount Total Length	<b>10-1/2"</b>	<b>267.0mm</b>
A-3 - Overall Length to Power Terminal	<b>10-11/16"</b>	<b>272.0mm</b>
A-4 - Overall Length to Speaker Terminal	<b>11-5/32"</b>	<b>283.0mm</b>
B - Overall Width	<b>5-29/32"</b>	<b>150.0mm</b>
B-1 - Mounting Holes Location - Width	<b>4-7/8"</b>	<b>124.0mm</b>
C - Overall Height	<b>2-3/16"</b>	<b>55.5mm</b>
D - Mounting Holes Diameter	<b>7/32"</b>	<b>5.5mm</b>
E - Mounting Holes Width	<b>13/32"</b>	<b>10.0mm</b>

## Technical Graph Data

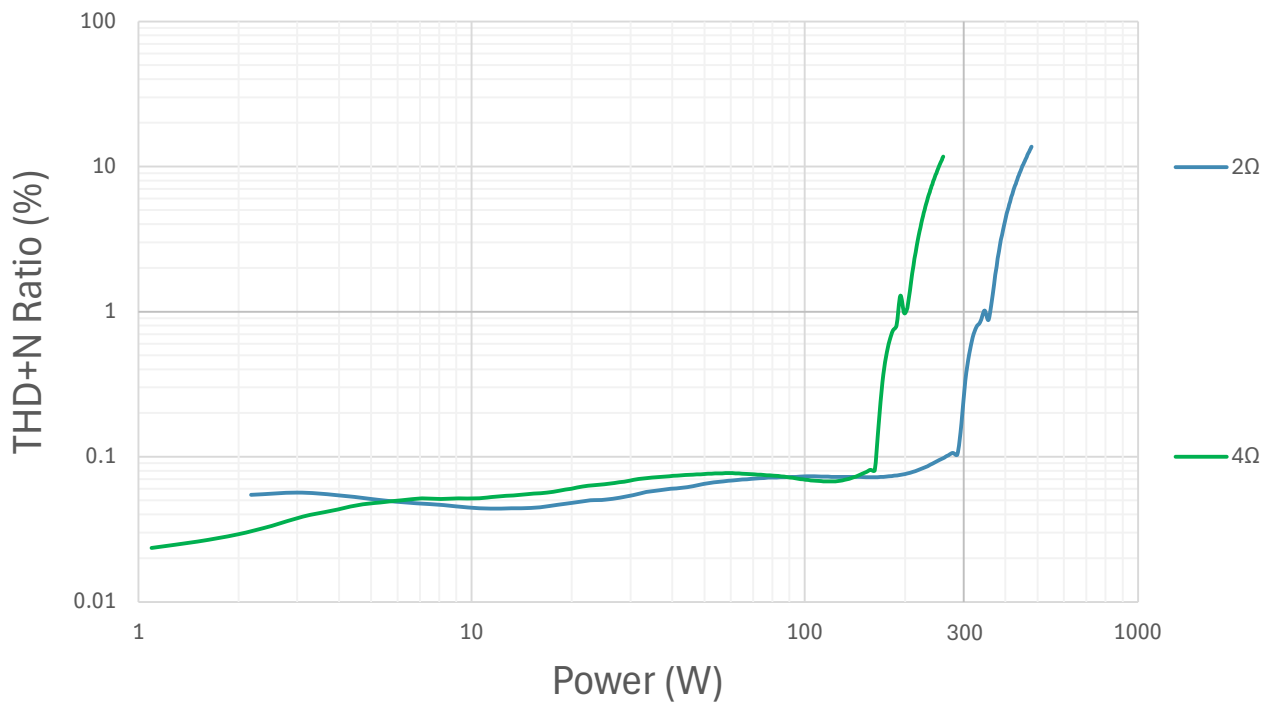
### AMP1 and AMP2 - THD+N vs. Power (W) @14.4VDC

THD+N Ratio (%) vs. Power (W)



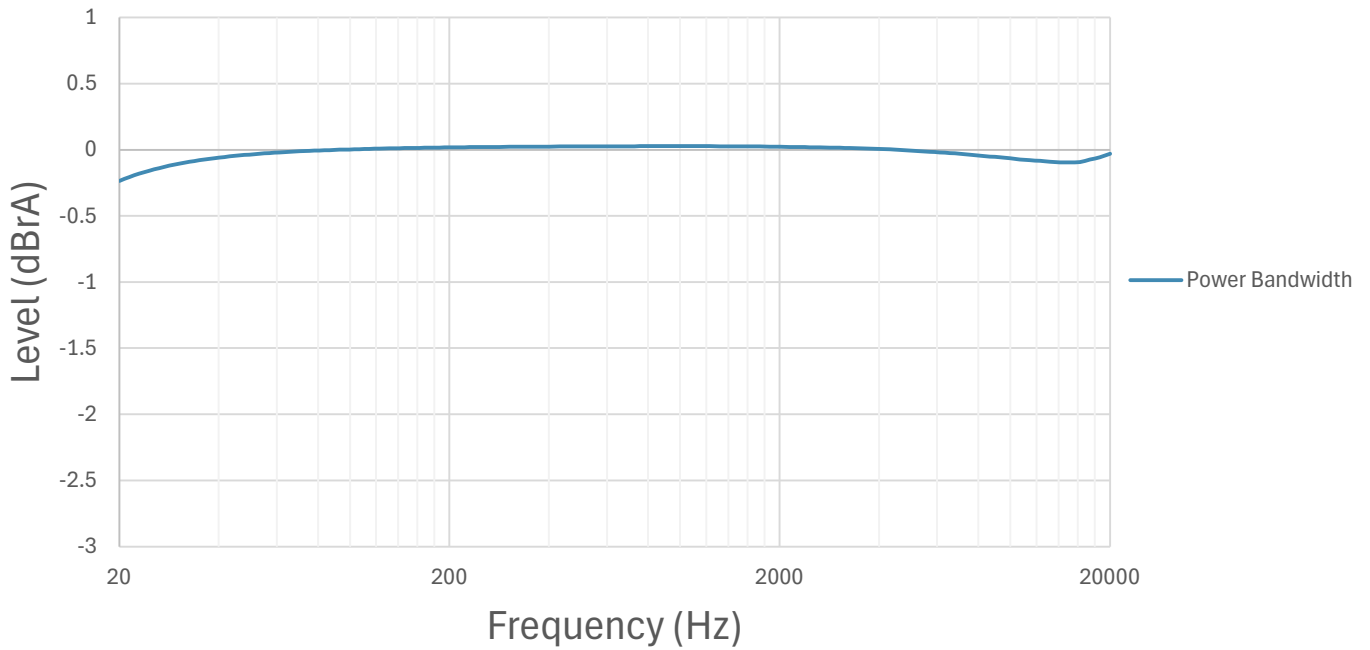
### SUB - THD+N vs. Power (W) @14.4VDC

THD+N Ratio (%) vs. Power (W)



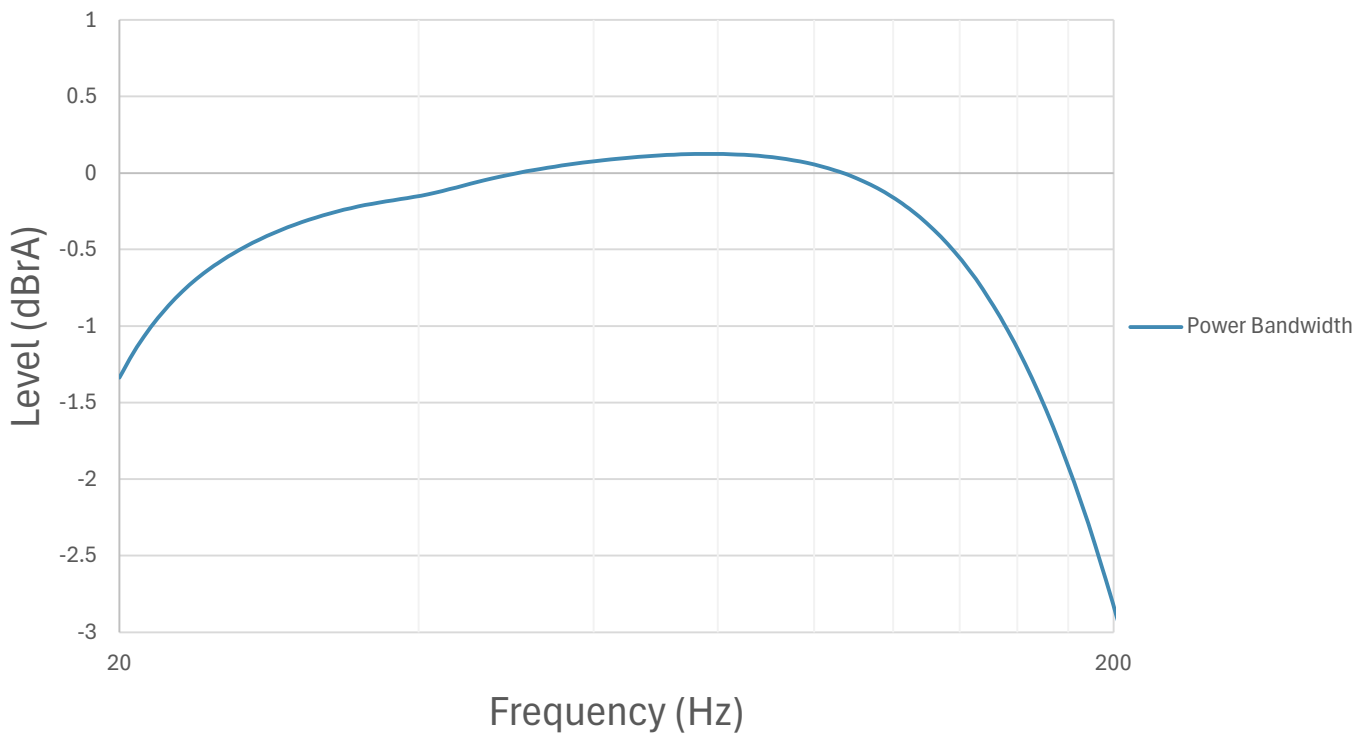
## AMP1 and AMP2 - Power Bandwidth (4Ω) @14.4VDC

Power Bandwidth, re: Rated Power (50W @ 4Ω)

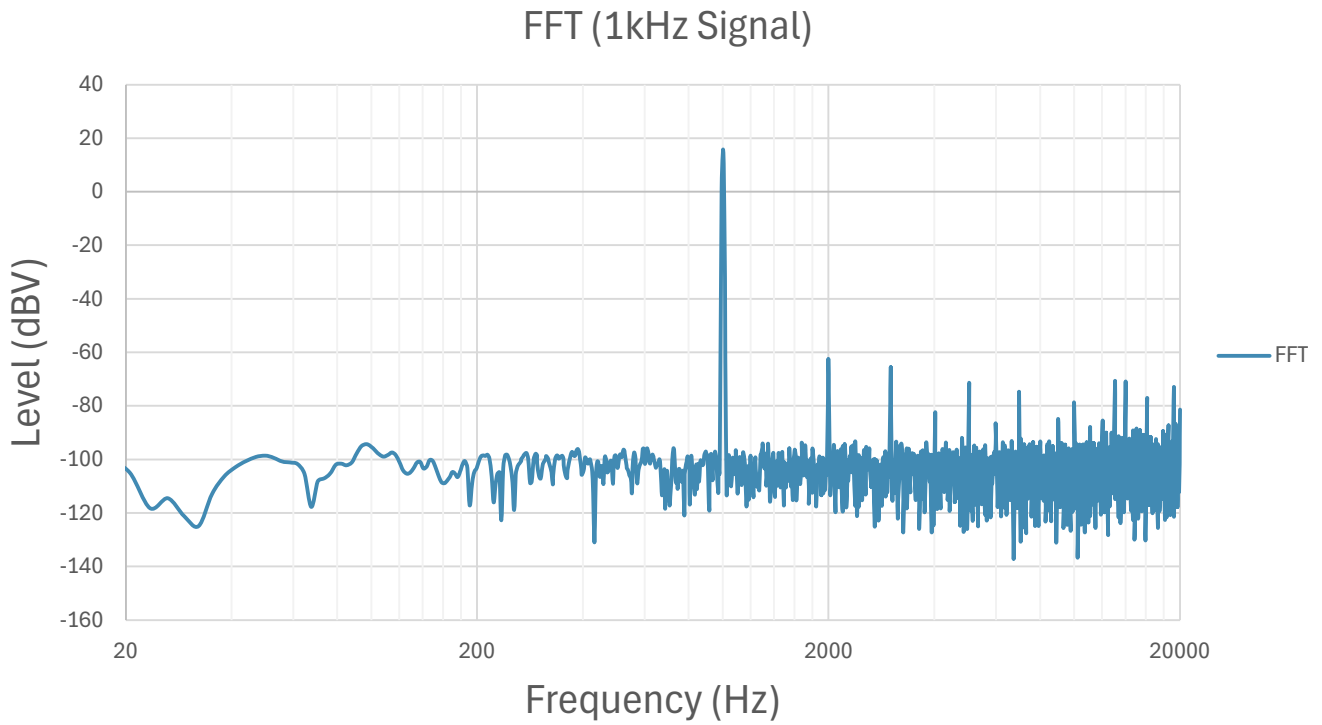


## SUB - Power Bandwidth (4Ω) @14.4VDC

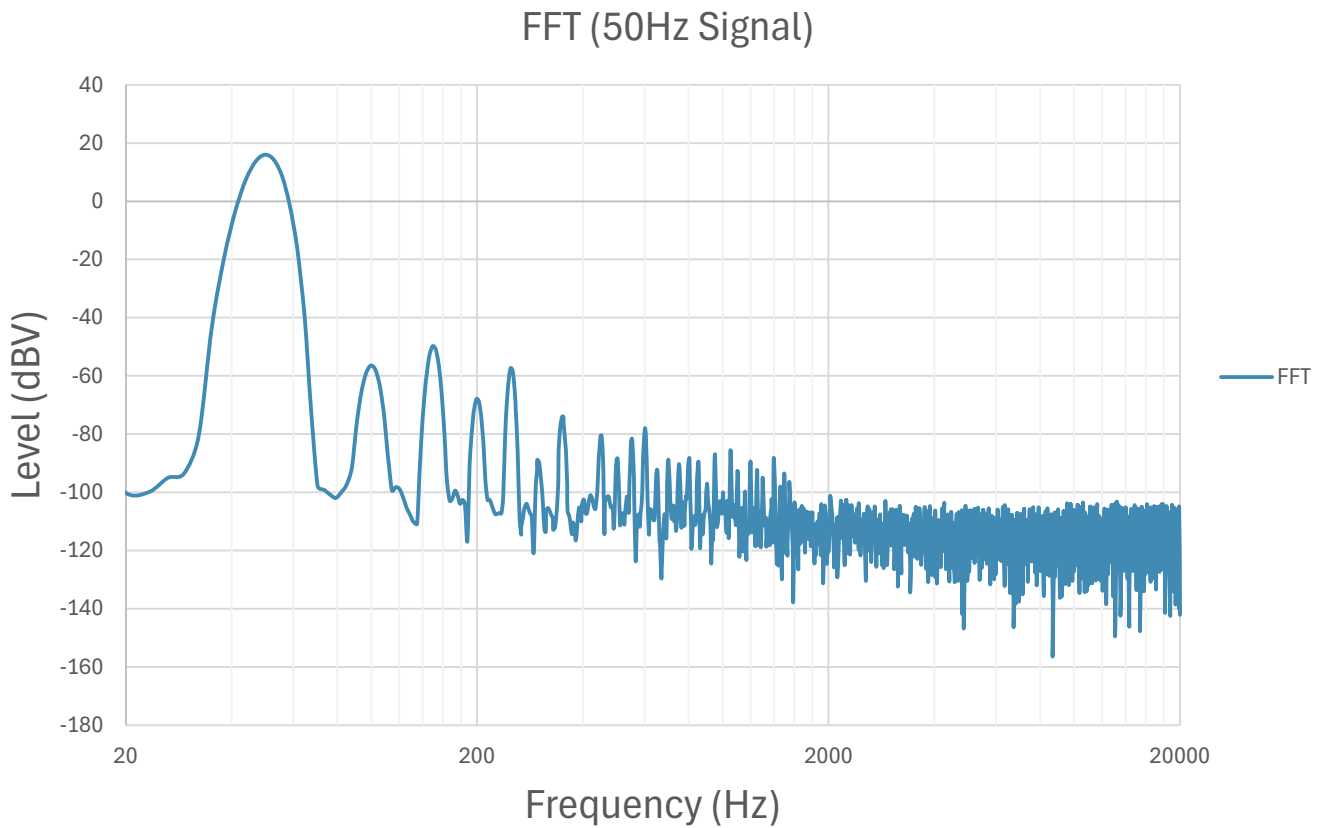
Power Bandwidth, re: Rated Power (150W @ 4Ω)



## AMP1 and AMP2 - FFT

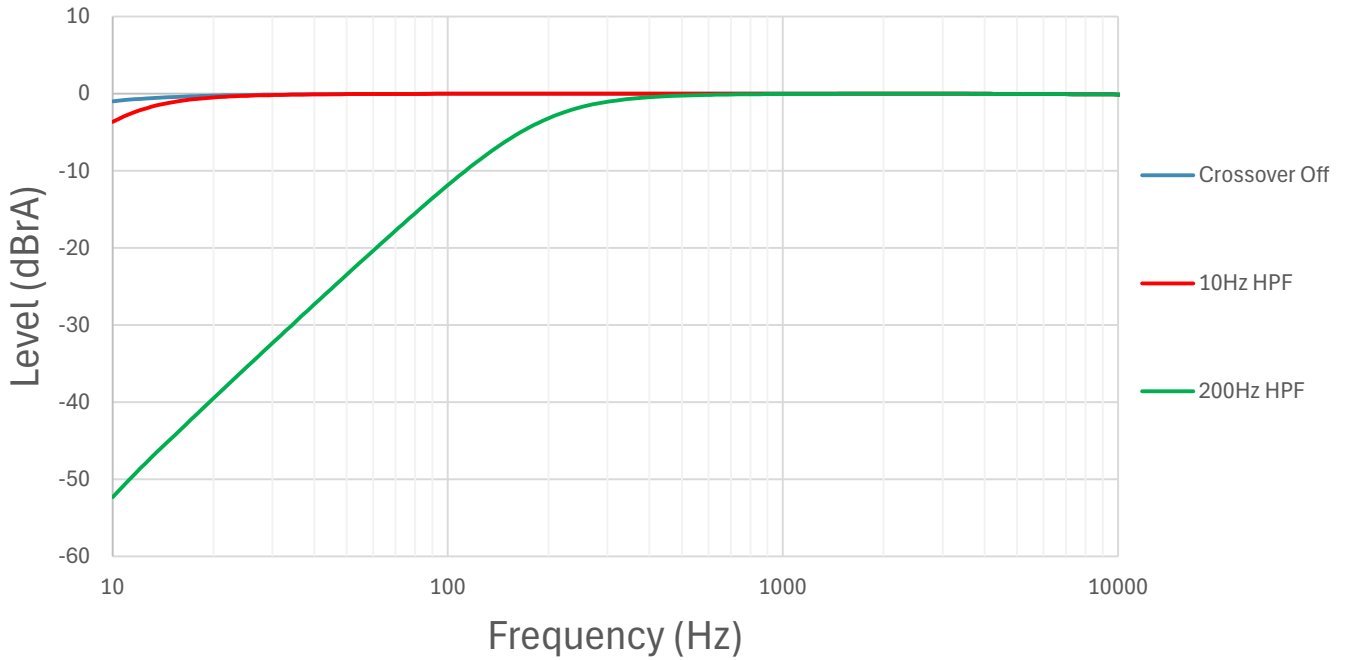


## SUB - FFT



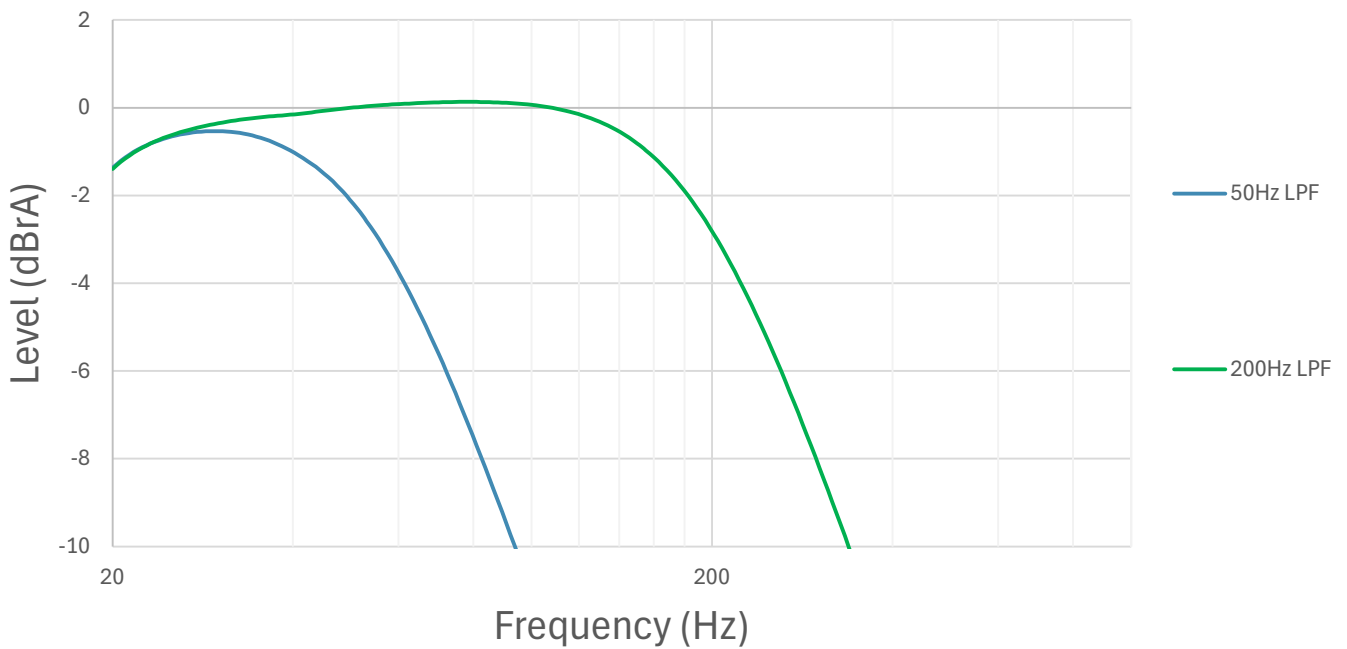
# AMP1 and AMP2 Crossover Frequency Response

## Amp 1 and 2 Crossover Bench



# SUB Crossover Frequency Response

## Sub Crossover Bench



# SUB KickeEQ™

## KickeEQ™

