Axe FX II

Frequency Response Curves
For
Factory Speaker Cabinets
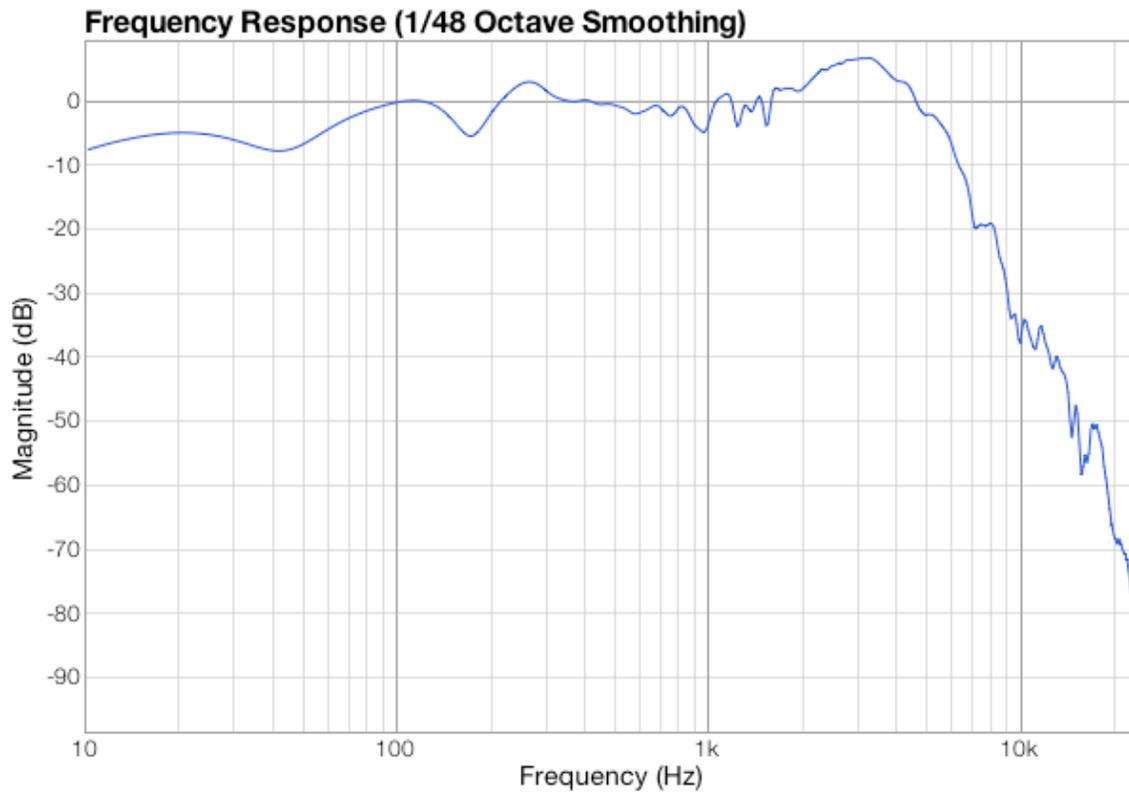
Frequency Response (1/48 Octave Smoothing)
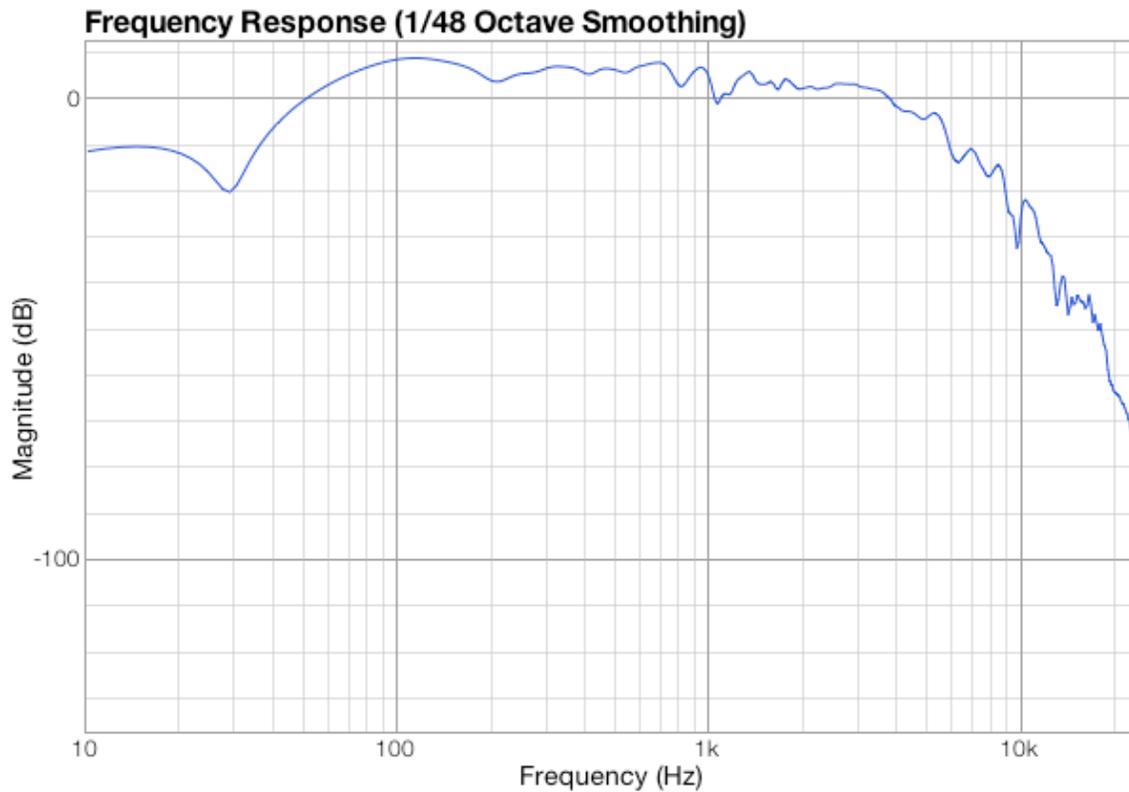
1x6 Oval
Based on 6" Supro, 6x9 oval (like in an automobile) speaker used in some early amplifiers (Supro).
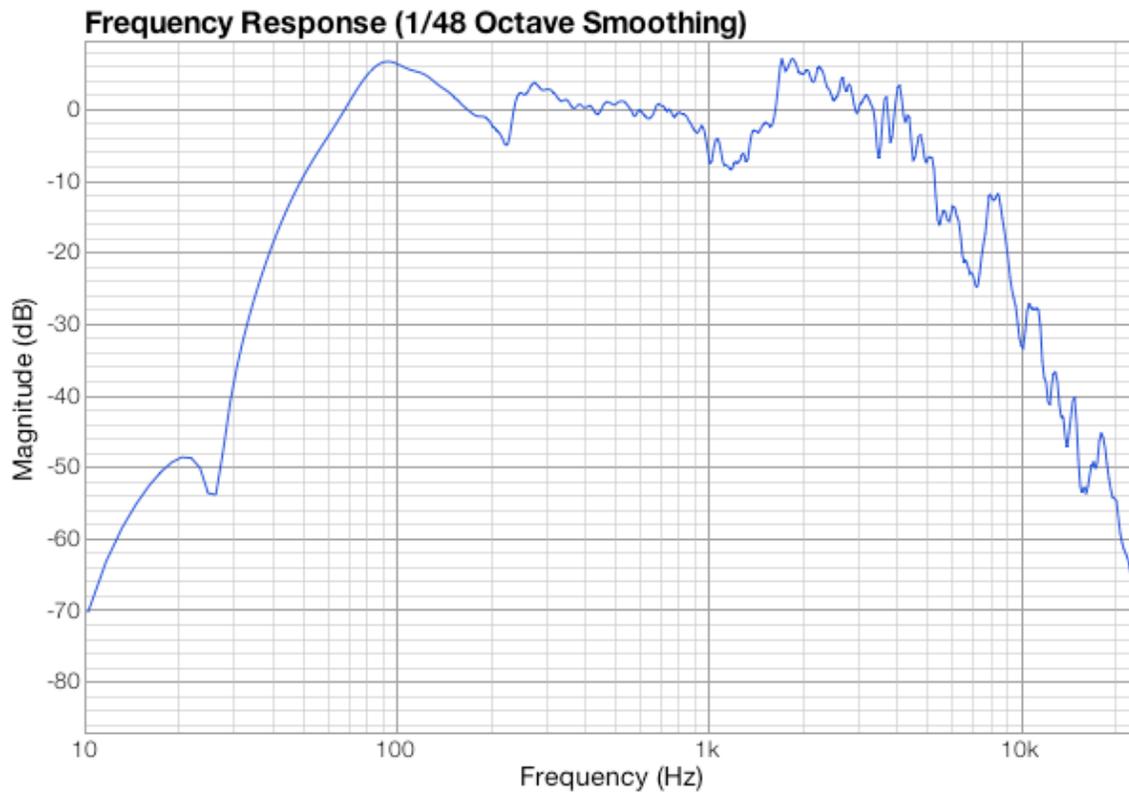
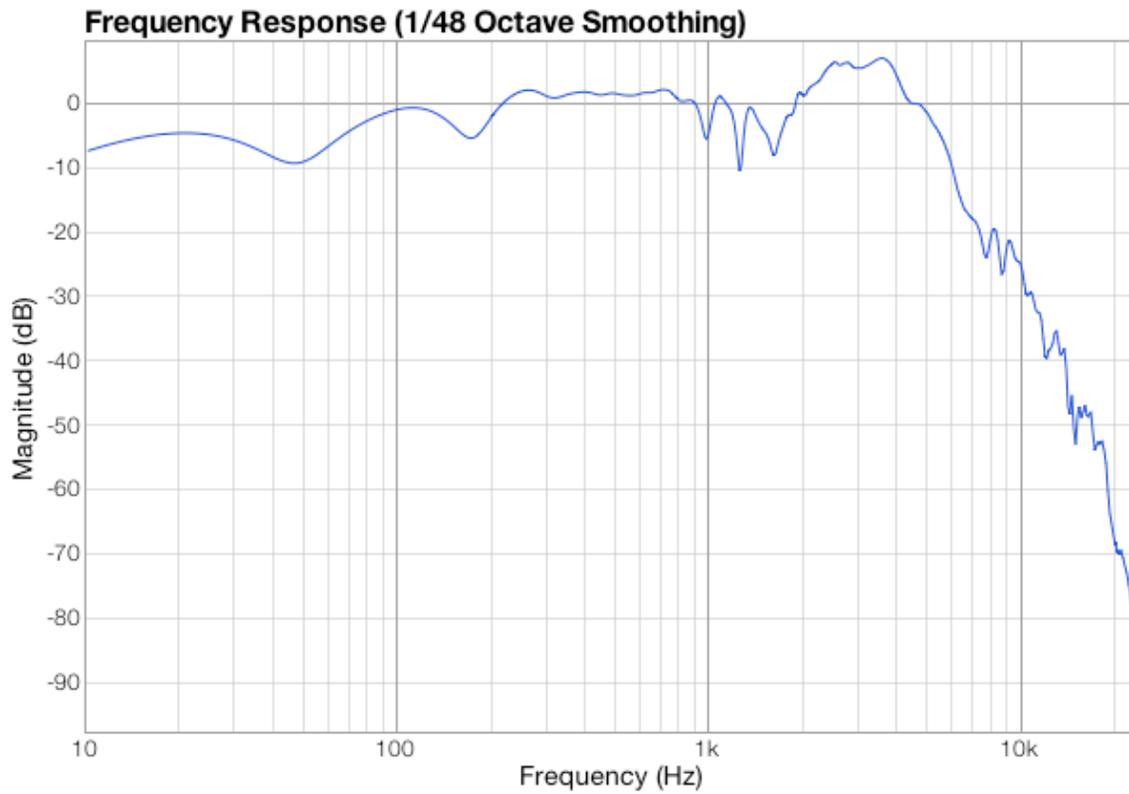## Frequency Response (1/48 Octave Smoothing)
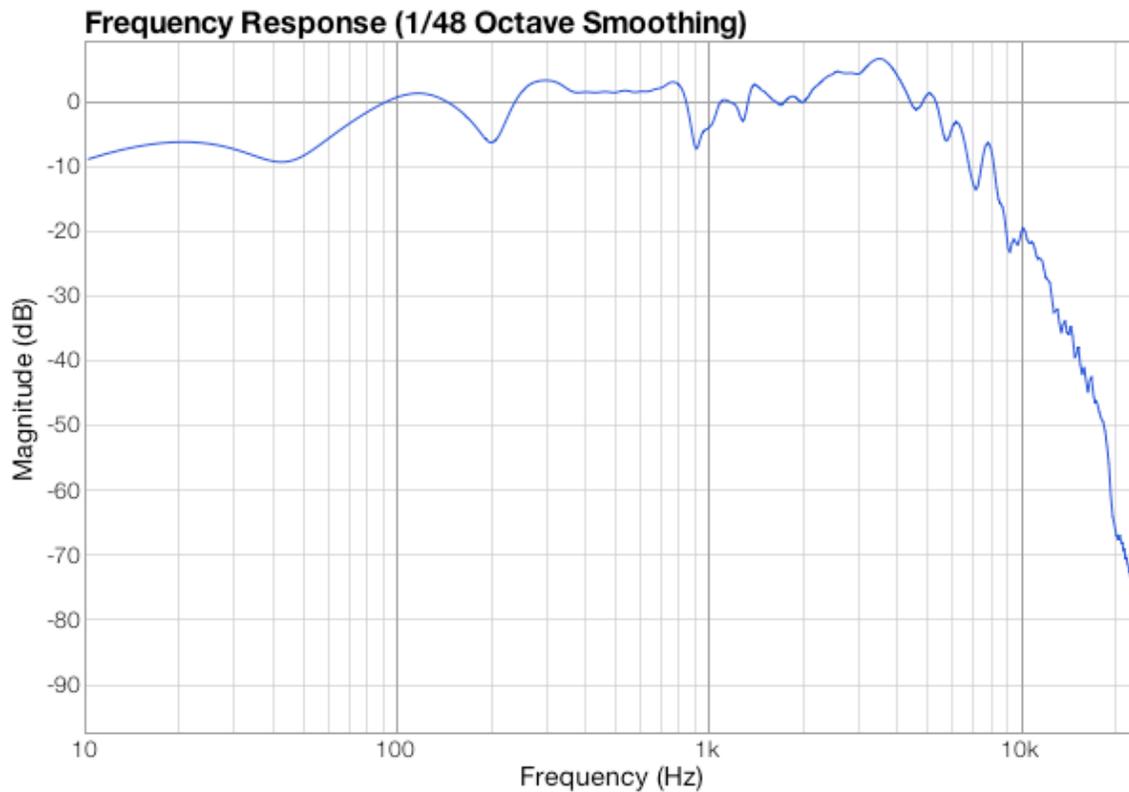
1x8 Tweed
Based on a 1x8 Fender Blues Jr. Really thin and cutting for roots blues leads.

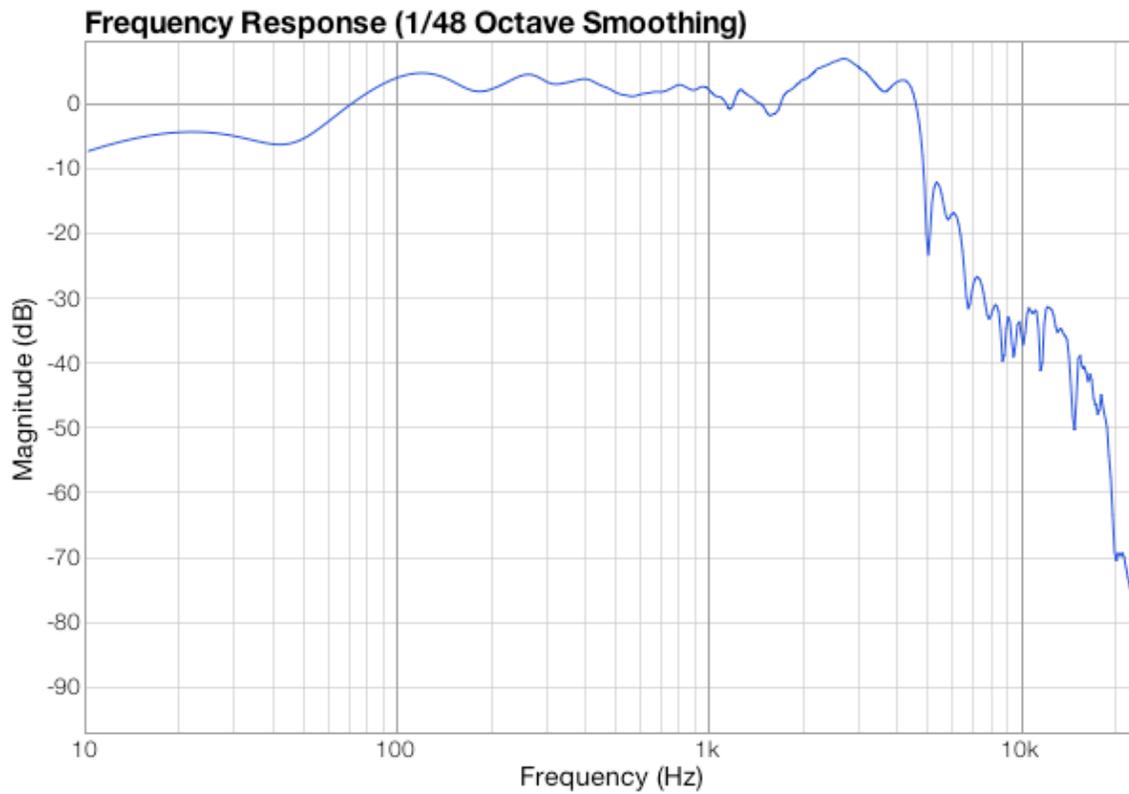**1x10 Gold**
Based on 1x10 Chicago Jensen C10N.

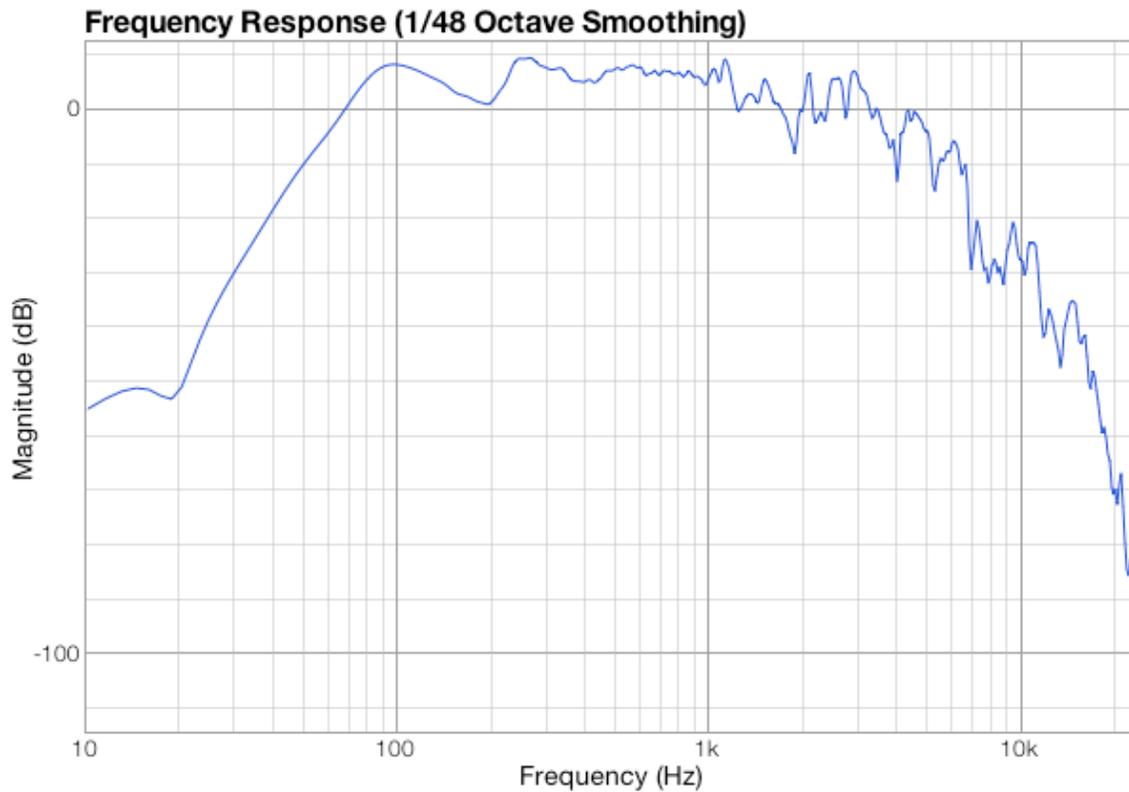**1x10 Blue**
Based on 1x10 Alnico Blue.

1x12 Tweed
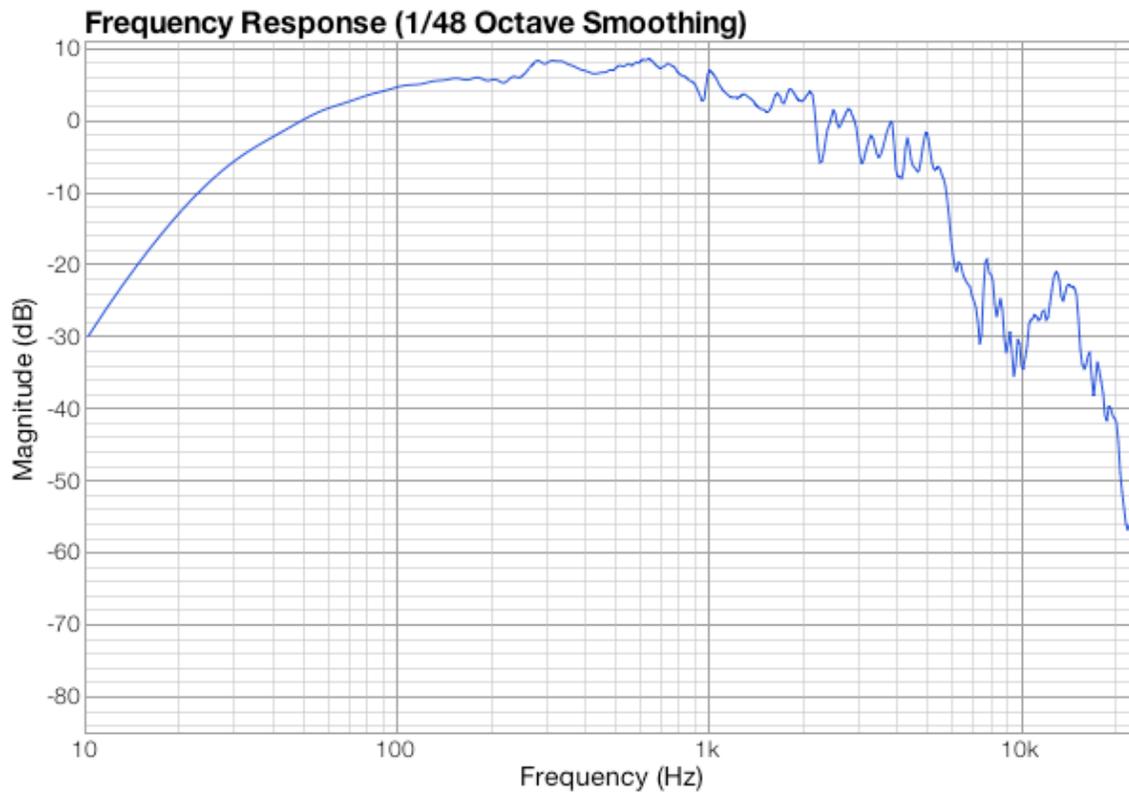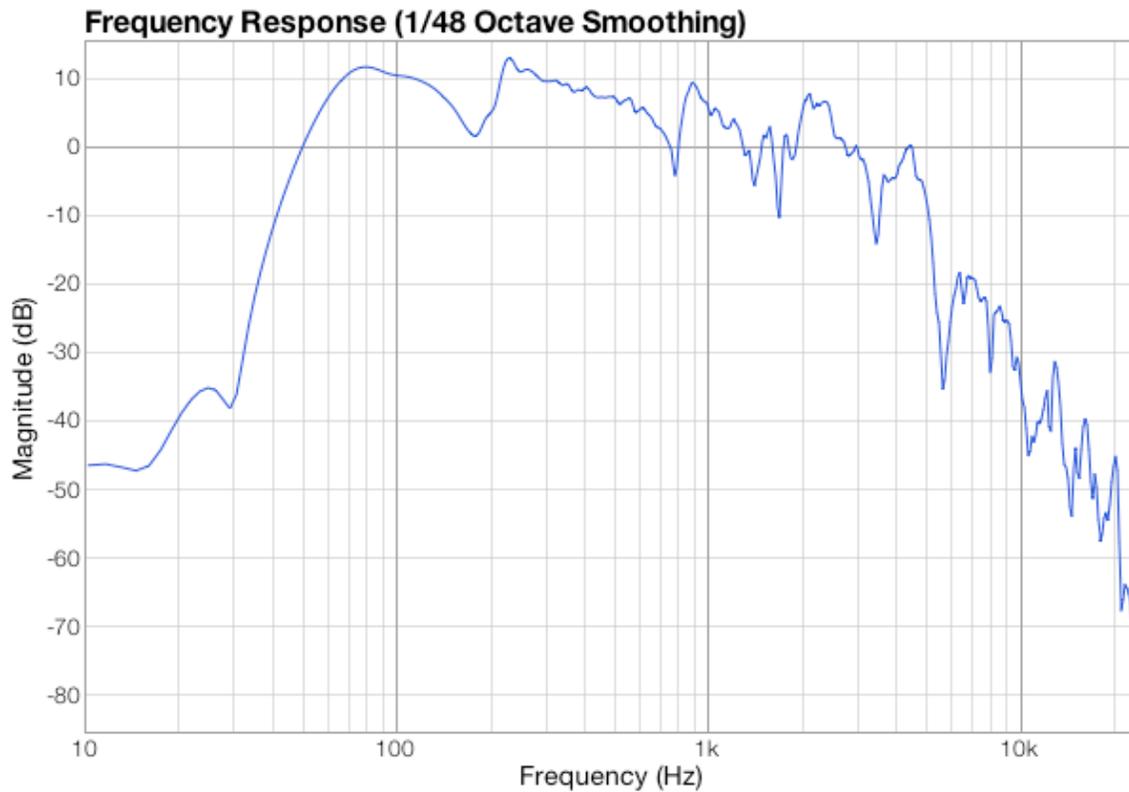**Based on the original 12" speaker used in an early Fender "Tweed" amplifier.**

1x12 Black
Based on Fender blackface 1x12.

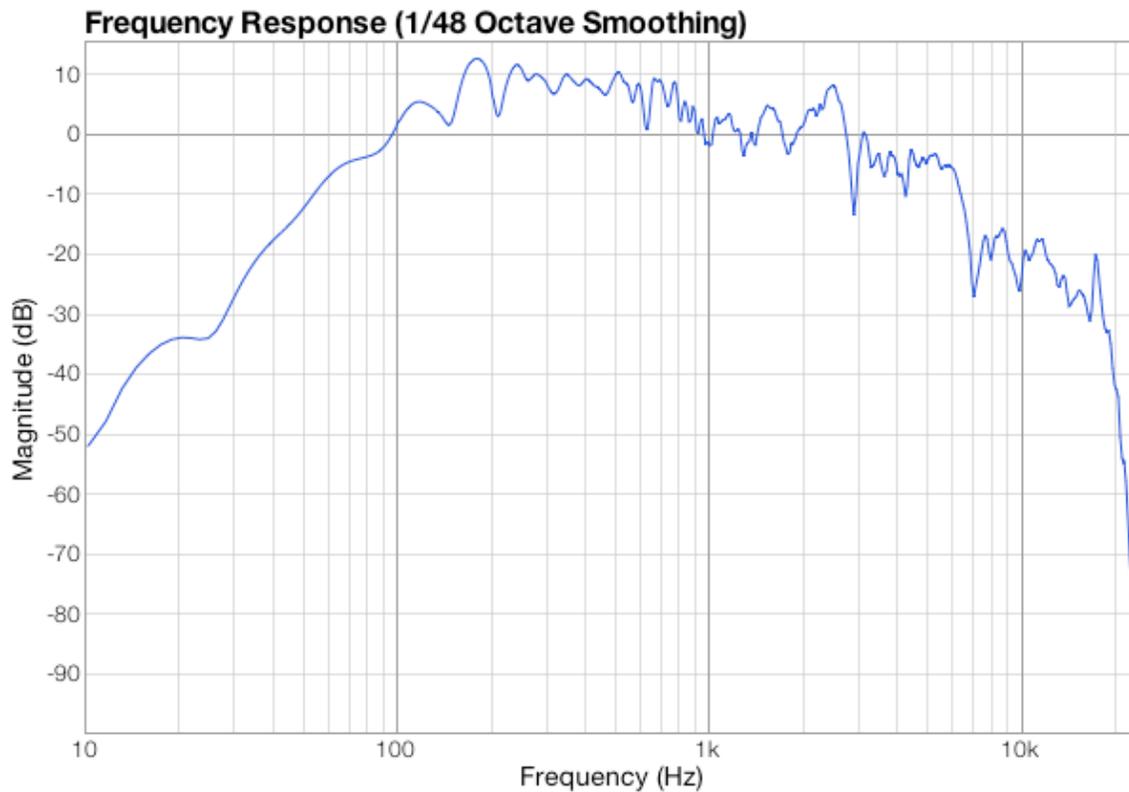**Frequency Response (1/48 Octave Smoothing)**

1x12 Blue
Based on Vox 1x12.

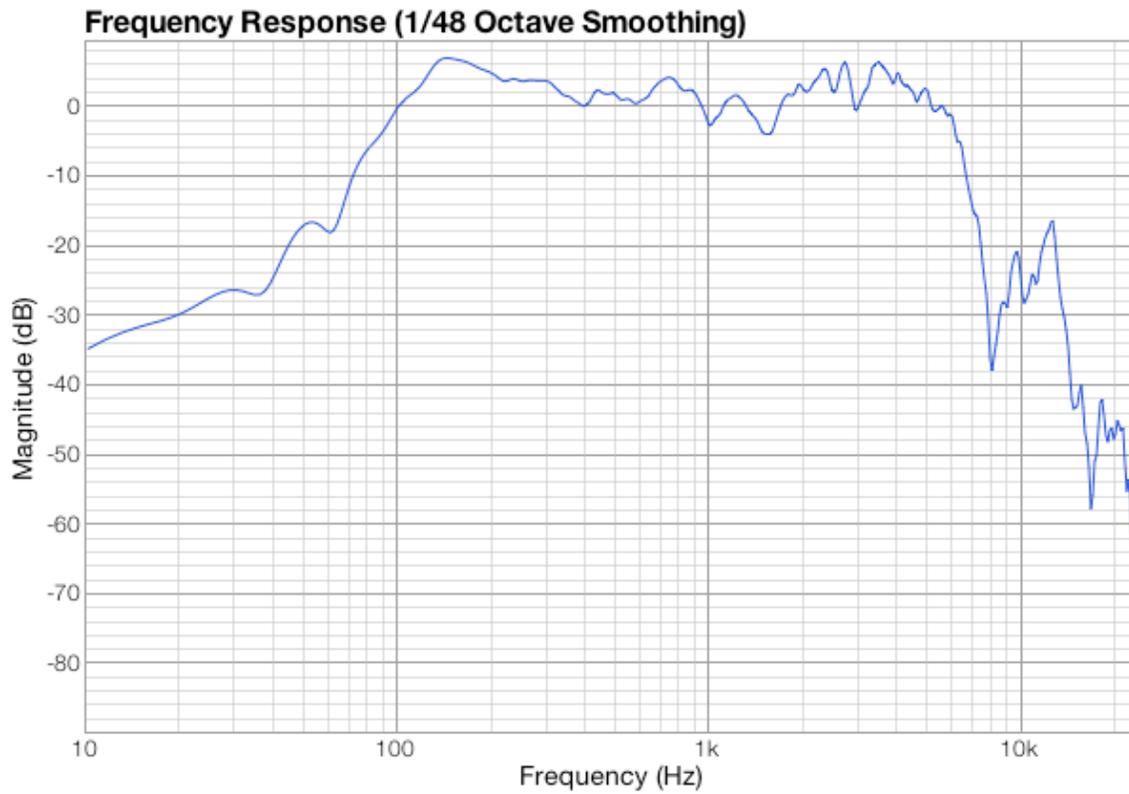**Frequency Response (1/48 Octave Smoothing)**

1x12 EVL (RW)
Based on 200 watt Electro-Voice EVM-12L (speaker without a cabinet).
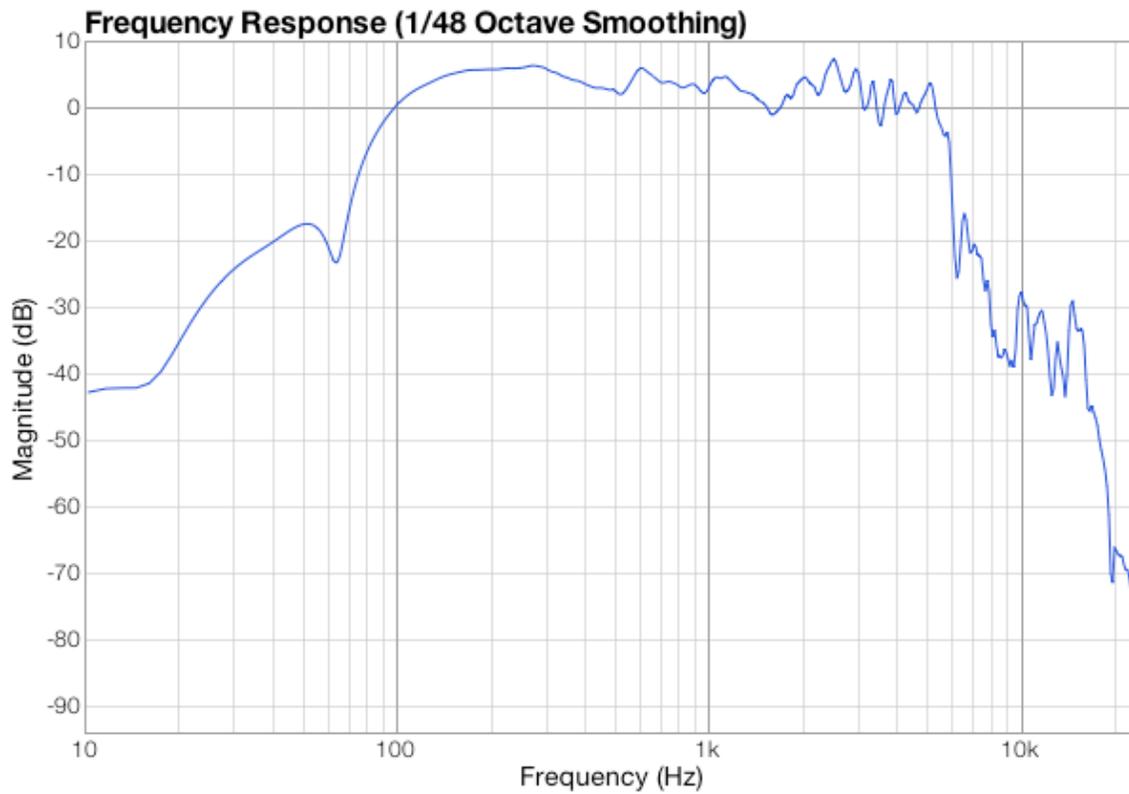
1x12 Studio
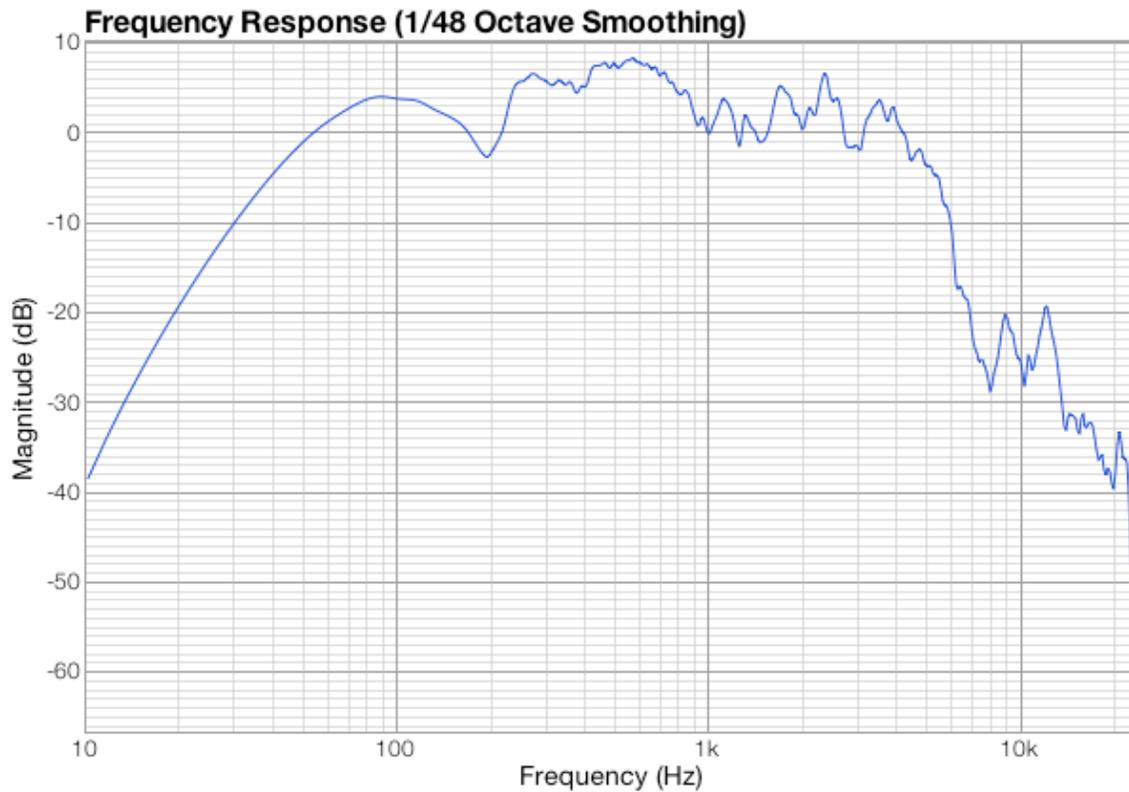**Based on Mesa Studio 22 1x12.**

1x12 EMI Open Back (JM)
Far–field IR.

1x12 Boogafunk Blue (OH)
Based on a Boogafunk Thiele 1x12 with Celestion Alnico Blue.
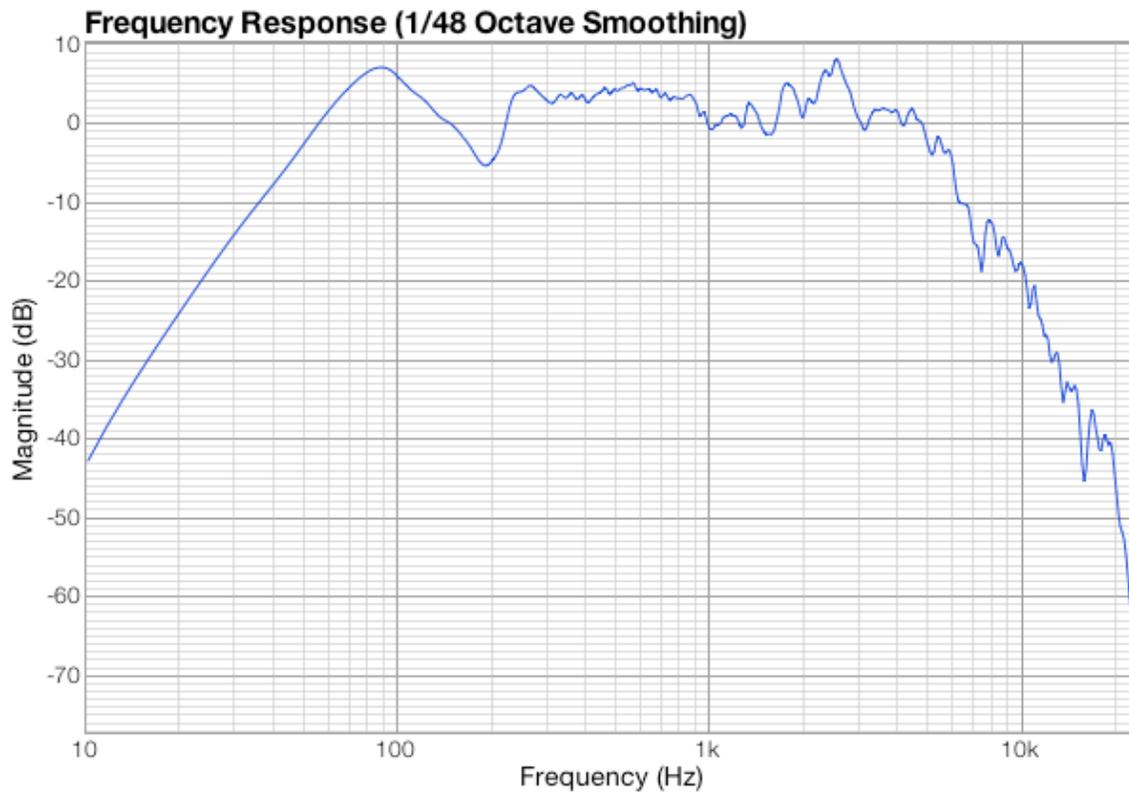

1x12 Boogafunk E12L (OH)
**Based on a Boogafunk Thiele 1x12 with Electro Voice EVM–12L Classic.**

1x12 Tweed Blue (RW)
Based on: Tweed Deluxe narrow panel from 1956 with a replacement Celestion Alnico Blue speaker for a brighter tone with more high end sparkle.
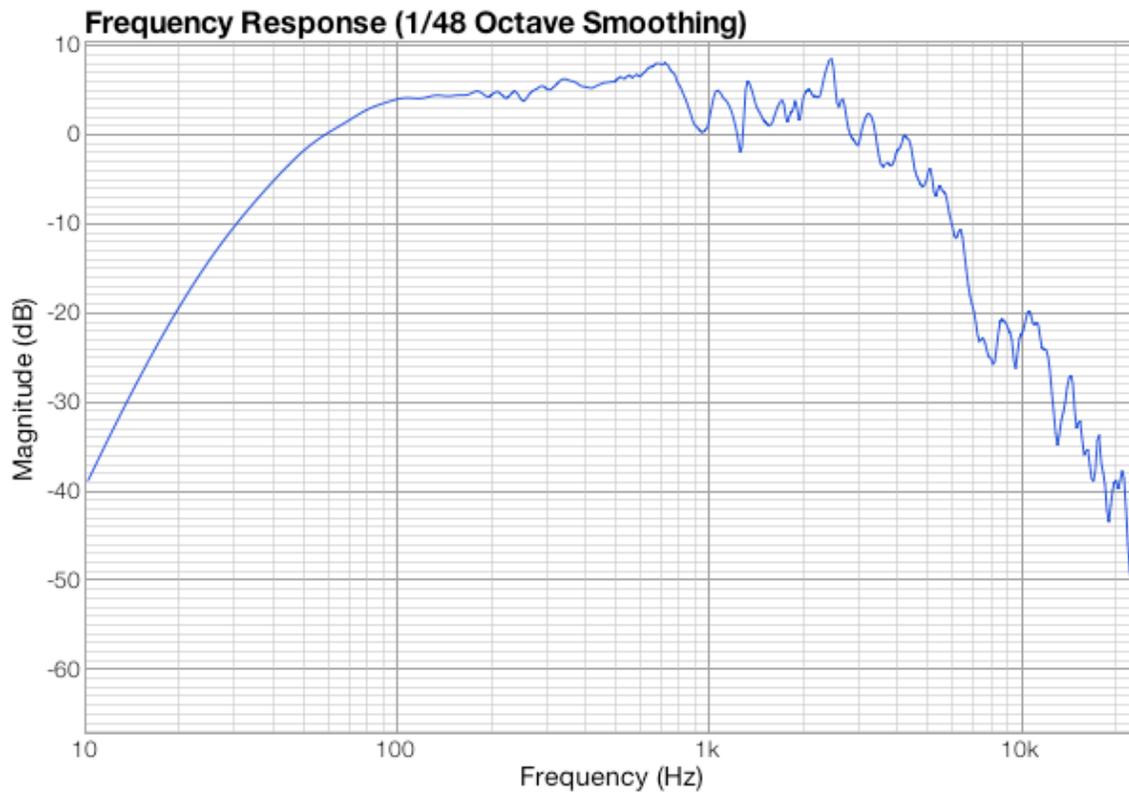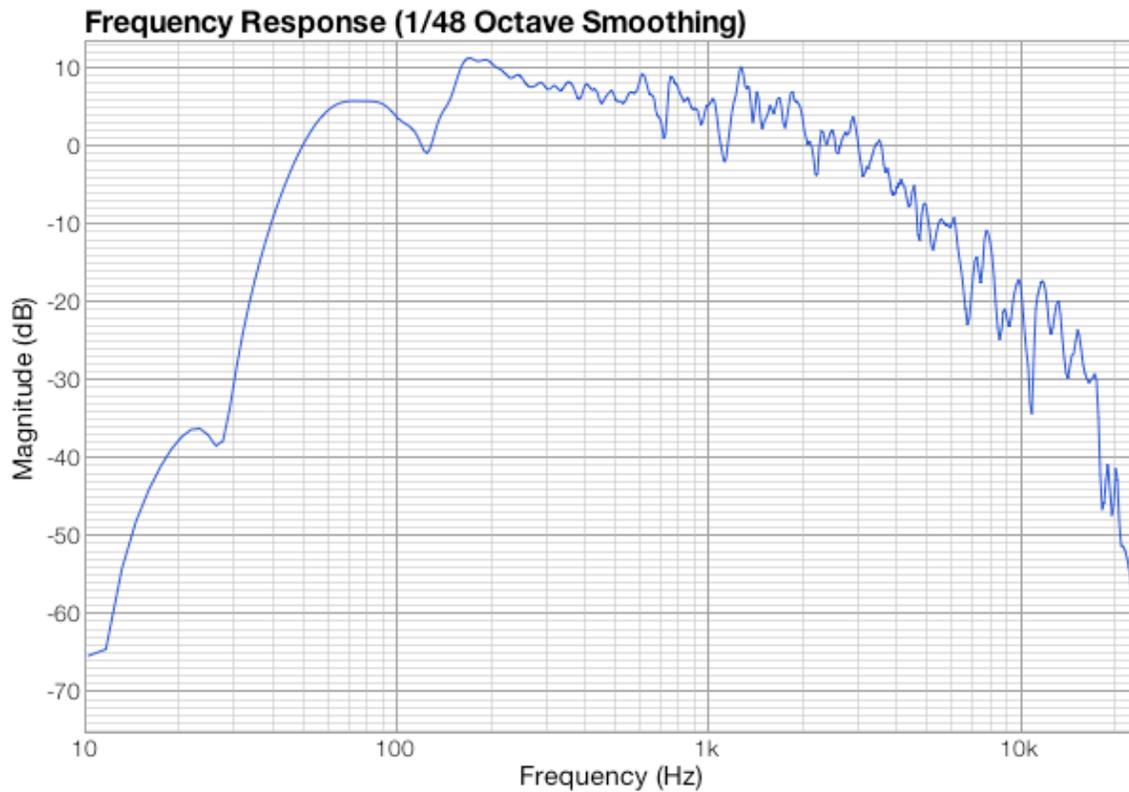

1x12 Tweed Deluxe (RW)
Based on: Tweed Deluxe narrow panel from 1956 with the original Jensen P12R speaker for the purists. Rounder, warmer sound than the Blue.
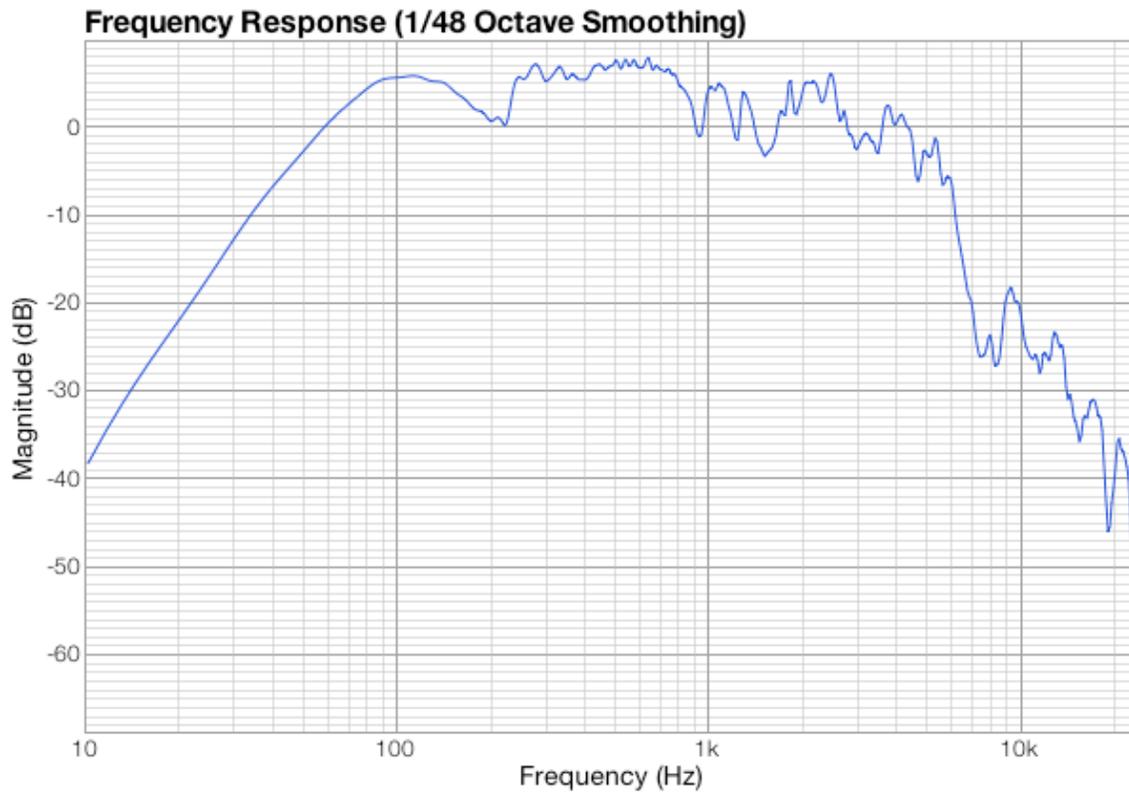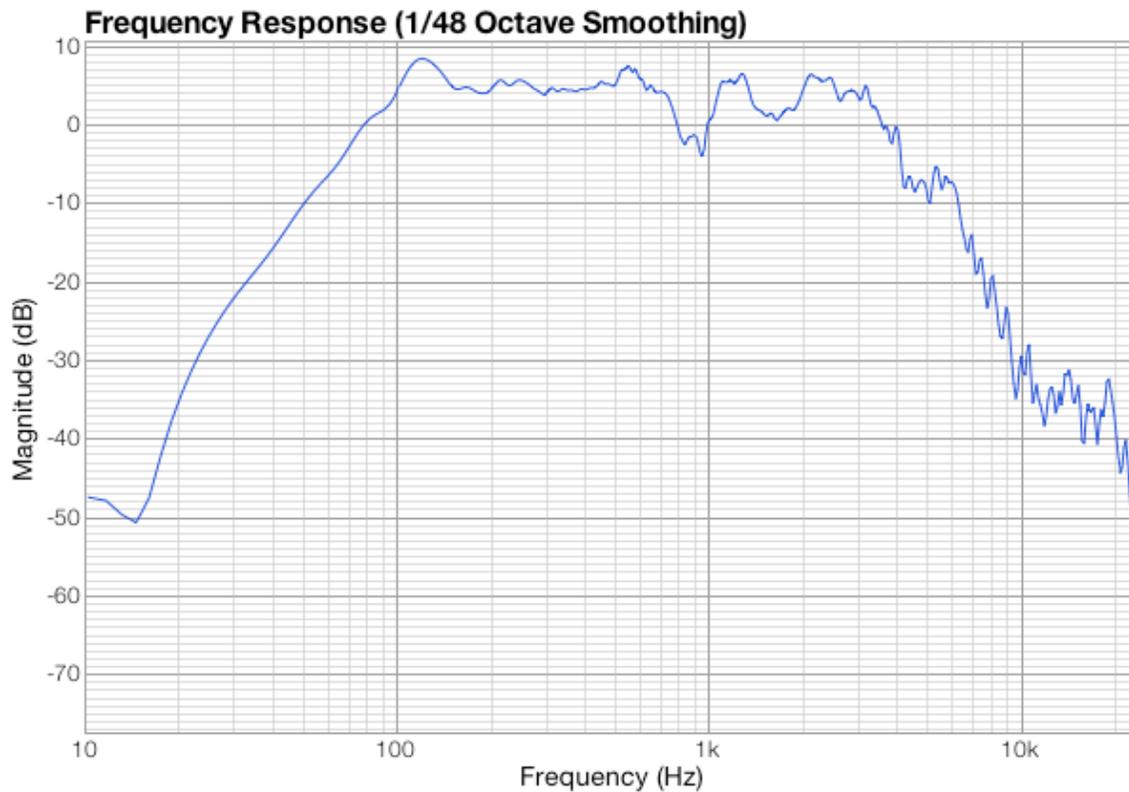
1x12 Brit Blue (RW)
Based on: Celestion AlNiCo Blue 12" (speaker without a cabinet).

1x12 Brit G12H30 (RW)
**Based on: Celestion G12H30" (speaker without a cabinet).**

Frequency Response (1/48 Octave Smoothing)

1x15 Blues
Based on: Peavey Delta Blues 1x15.

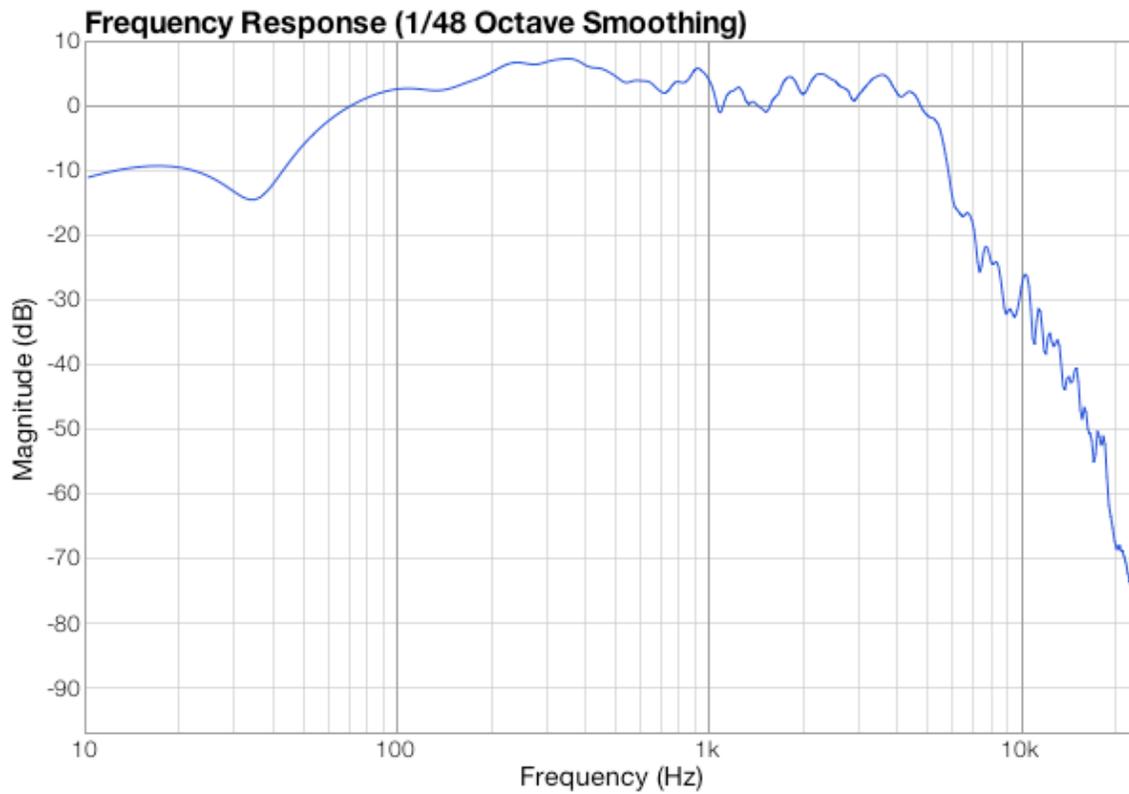## Frequency Response (1/48 Octave Smoothing)
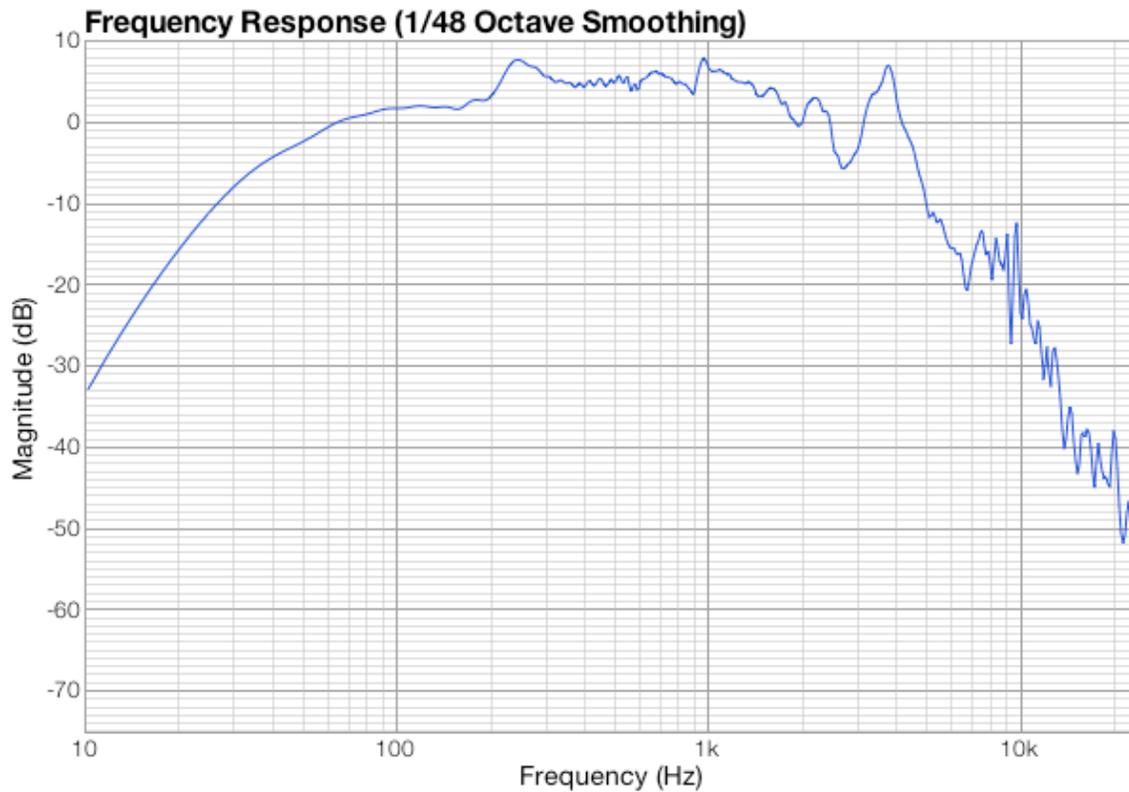

1x15 Thunderbolt (RW)
Based on: Supro Thunderbolt S6420 cabinet with the original 15" Jensen speaker. Decent low–end for a small, open–backed cabinet, a boost around 550Hz that gives it some mid–range "honk", and crunchy upper–mids.
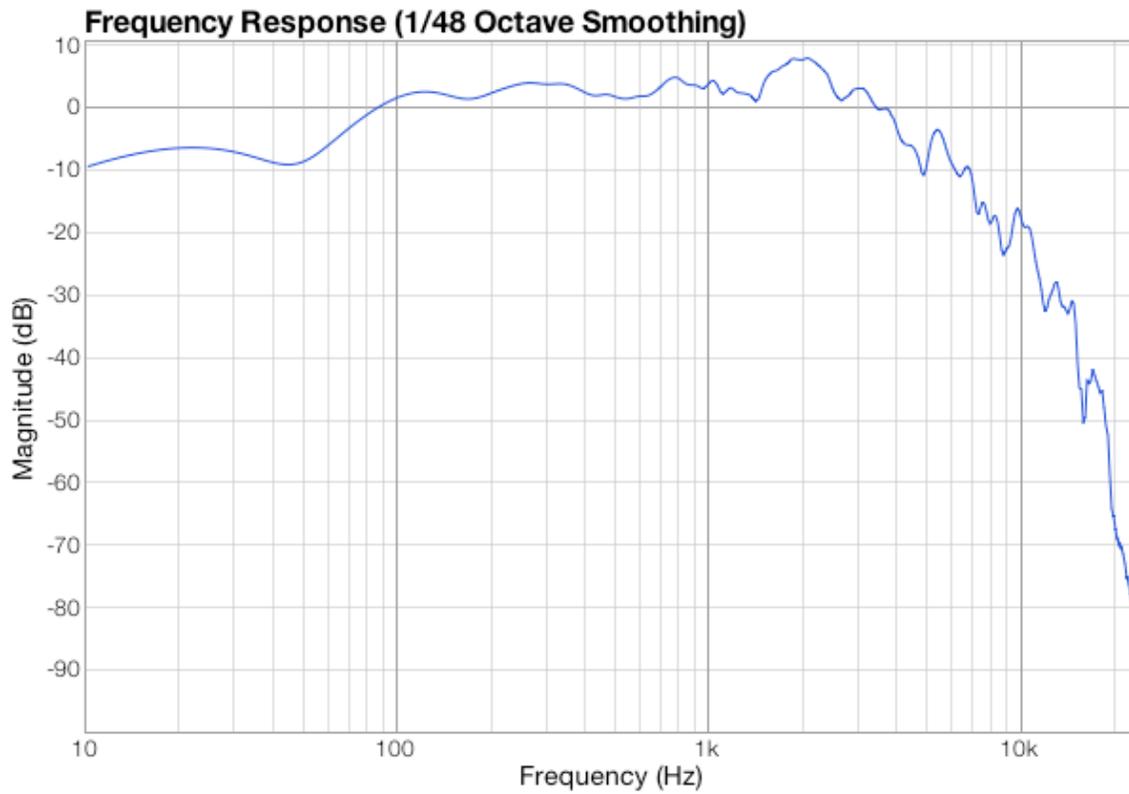
2x12 Black
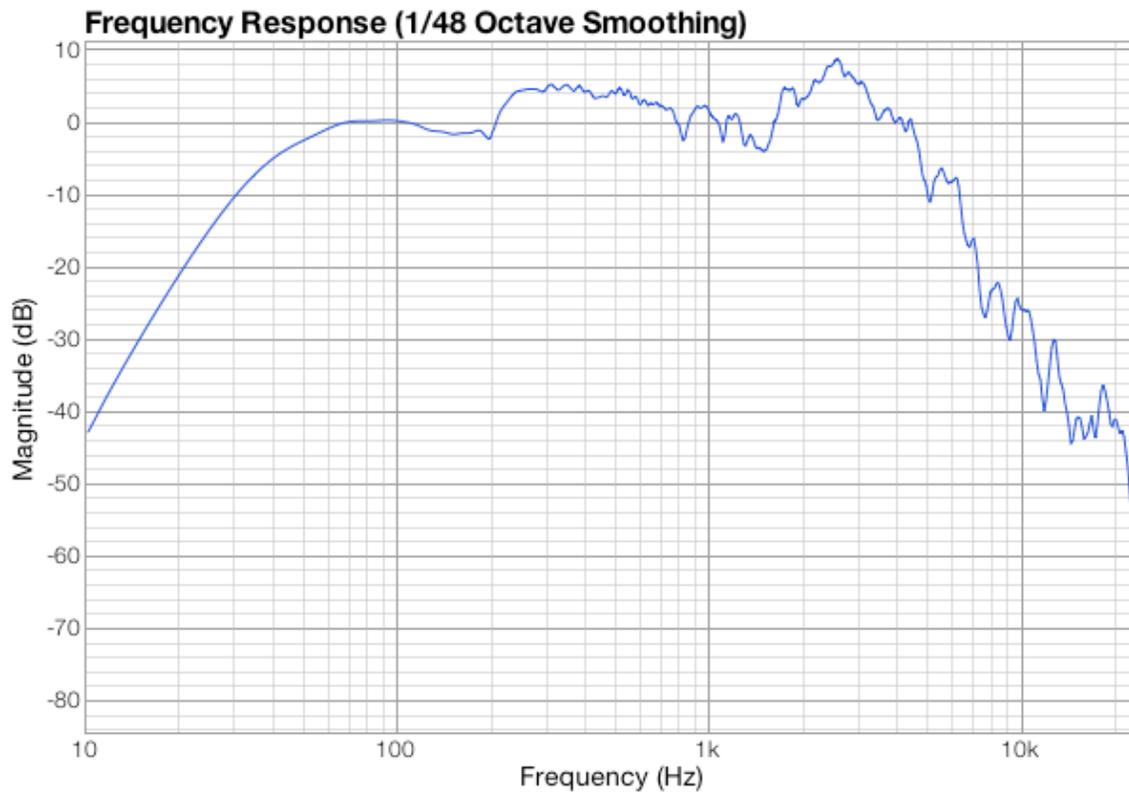**Based on: Fender Deluxe/Twin Reverb 2x12.**

2x12 Brit
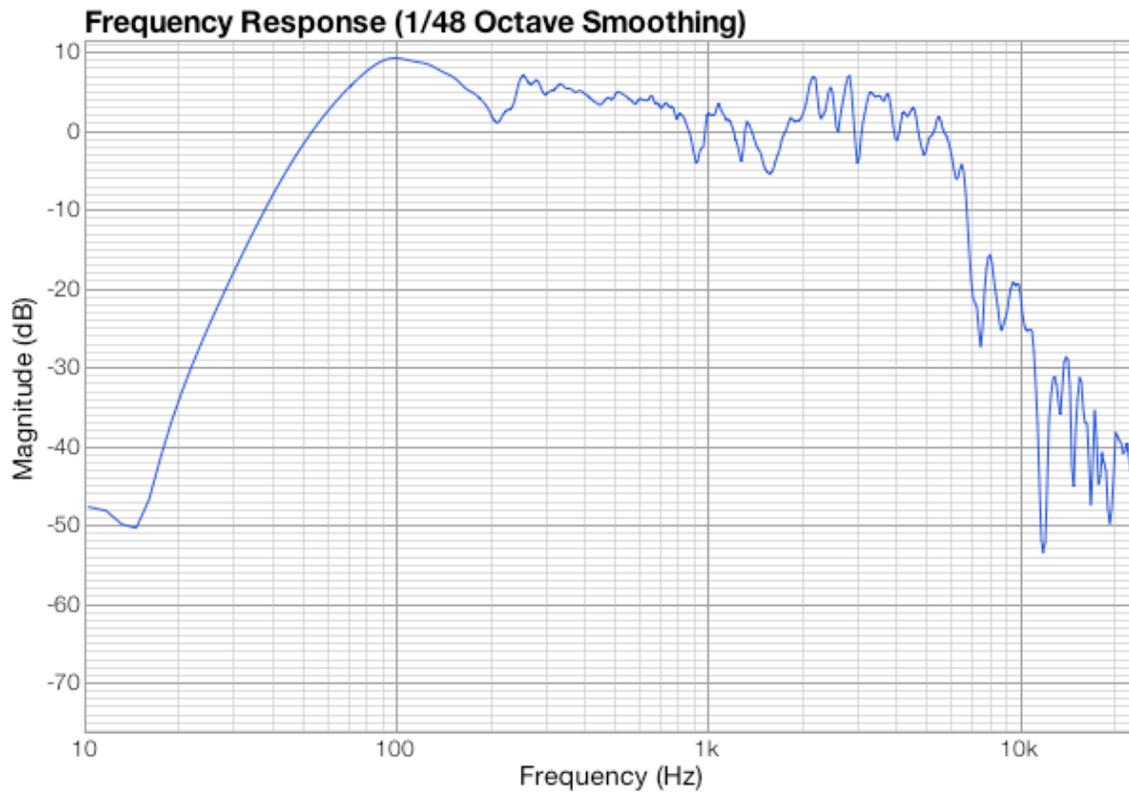**Based on: Vox AC30 with 2x12 Alnico Blue speakers.**

2x12 Doubleverb D120 (RW)
Based on: '67 Fender Twin Reverb cabinet loaded with vintage JBL D120Fs. The D120s have more low-end than the C12Ns and a peak around 3700Hz, for distinctly edgier upper-mids.
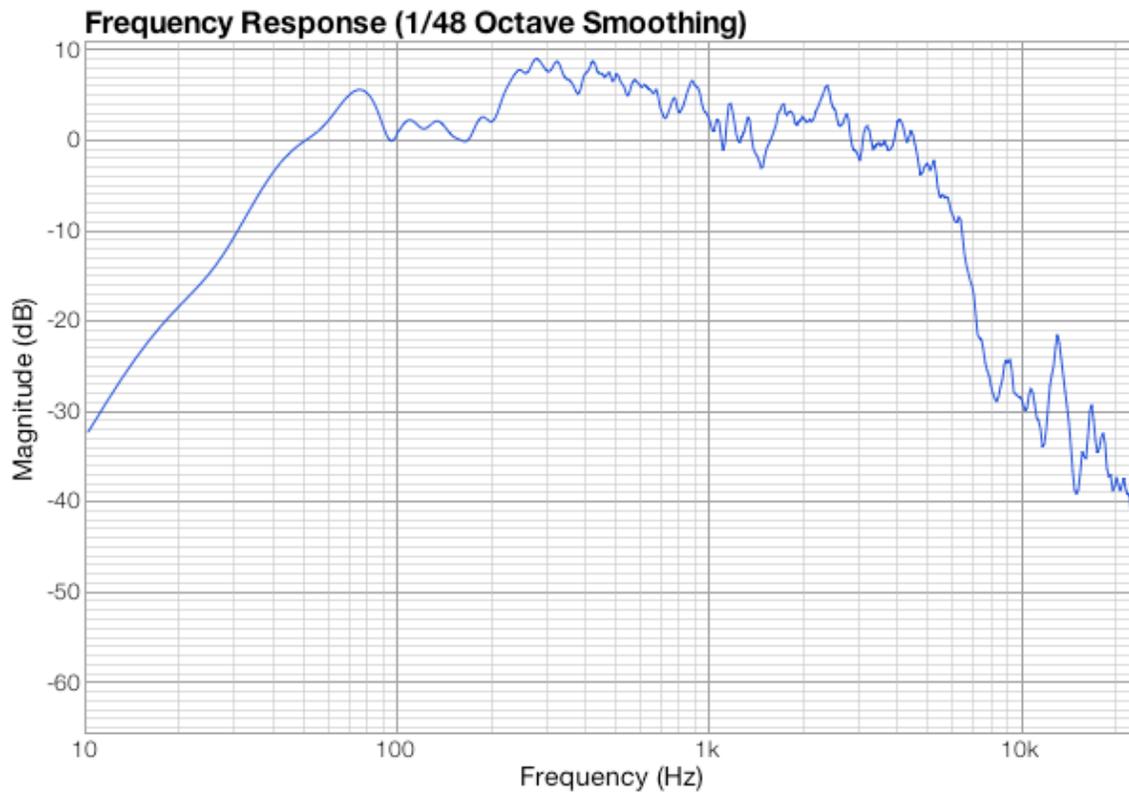

2x12 Doubleverb C12N (RW)
Based on: '67 Fender Twin Reverb cabinet loaded with vintage Jensen C12Ns. A little less bass than the D120s and a peak around 2500Hz which gives it a crunchier sound than the JBLs.
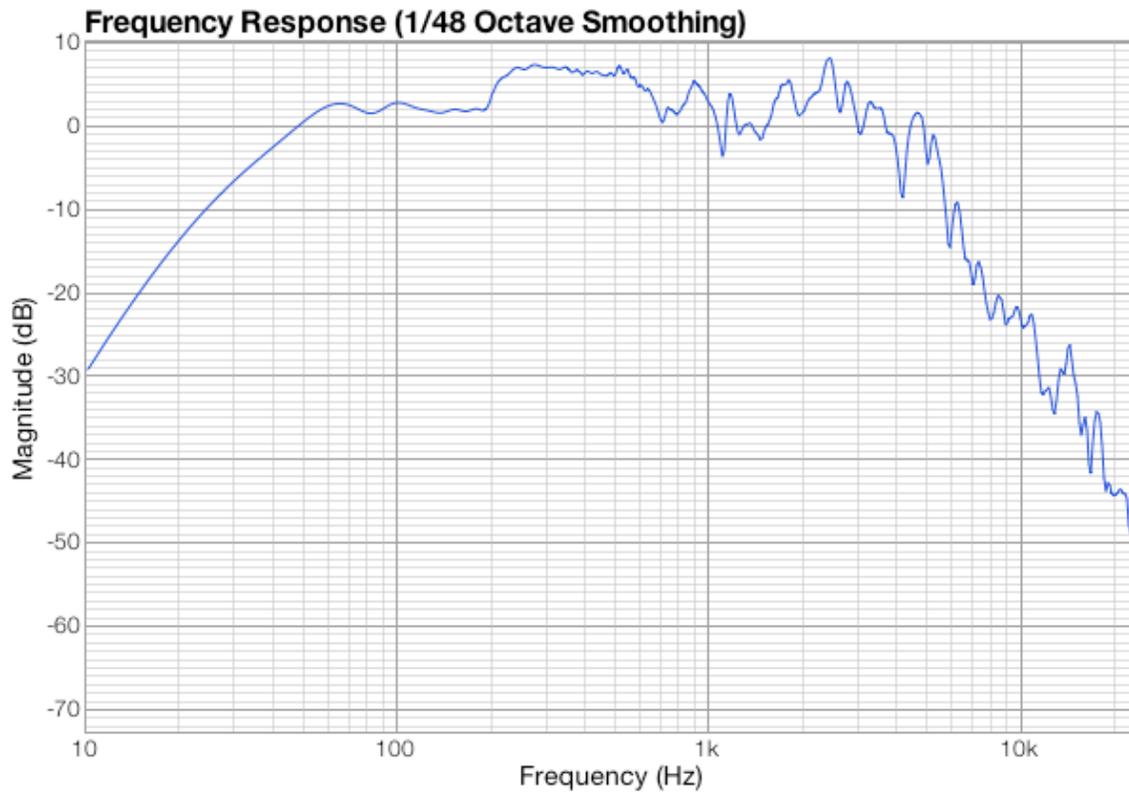
2x12 Blue
**Based on: Chicago Jensen P12Q, two classic American 12" speakers with blue labels.**

2x12 Top Boost Blue (RW)
Based on: Vox AC30 loaded with two Vox–labeled Celestion Alnico Blues made in the UK.
**Chimey Vox goodness, if you're into that kind of thin.**

2x12 Top Boost Silver (RW)
Based on: Vox AC30 loaded with two Vox–labeled alnico, silver speakers. These are 25–wattish, T1656 frame, alnico silvers with Pulsonic cones made for the Thomas Organ Company in the 60's. Slightly less extended upper mids than the blues, same cones as the early greenbacks. Cool speakers in pristine condition.
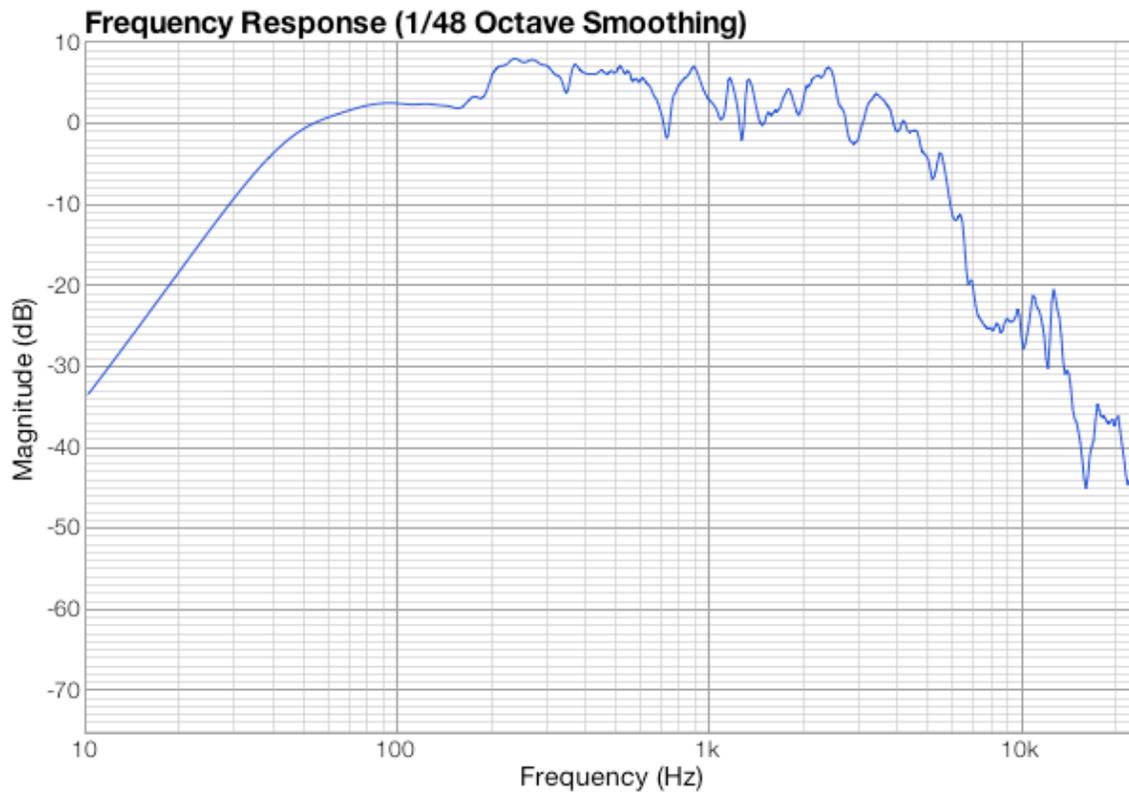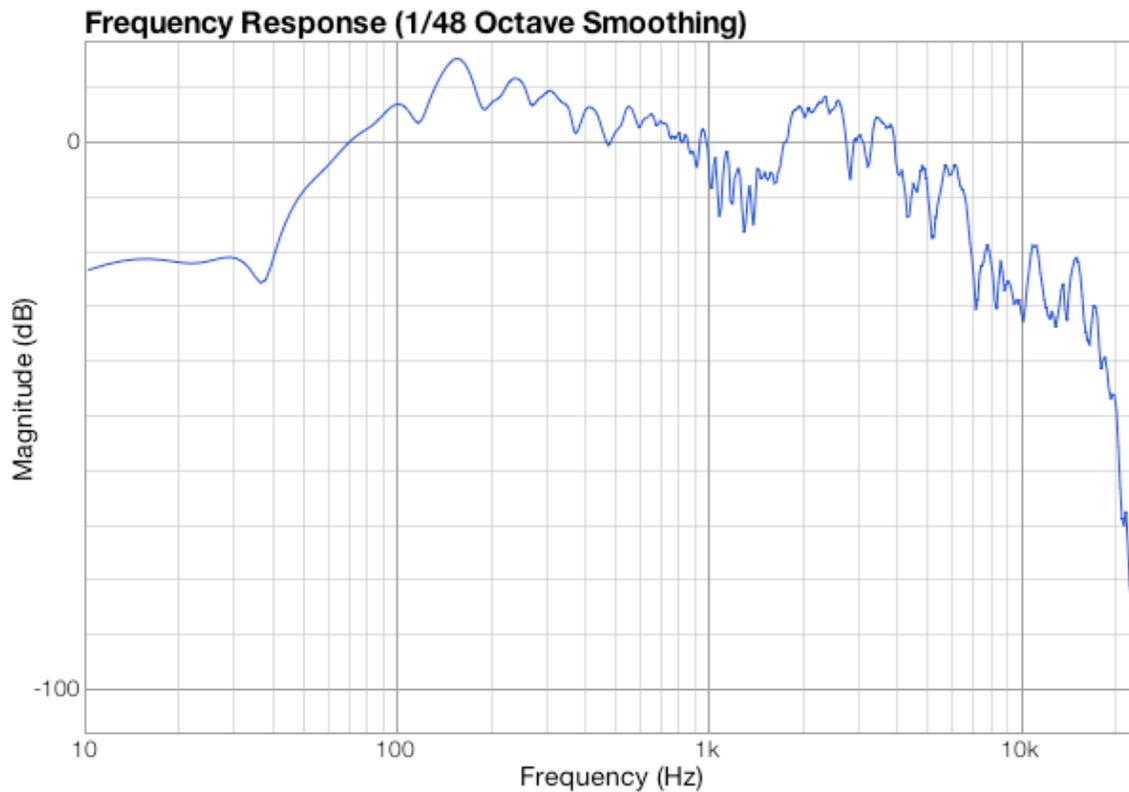

2x12 Boutique (RW)
Based on: Matchless ES212, loaded with one custom voiced 30–watt Celestion G12H and one 25–watt Celestion G12M.
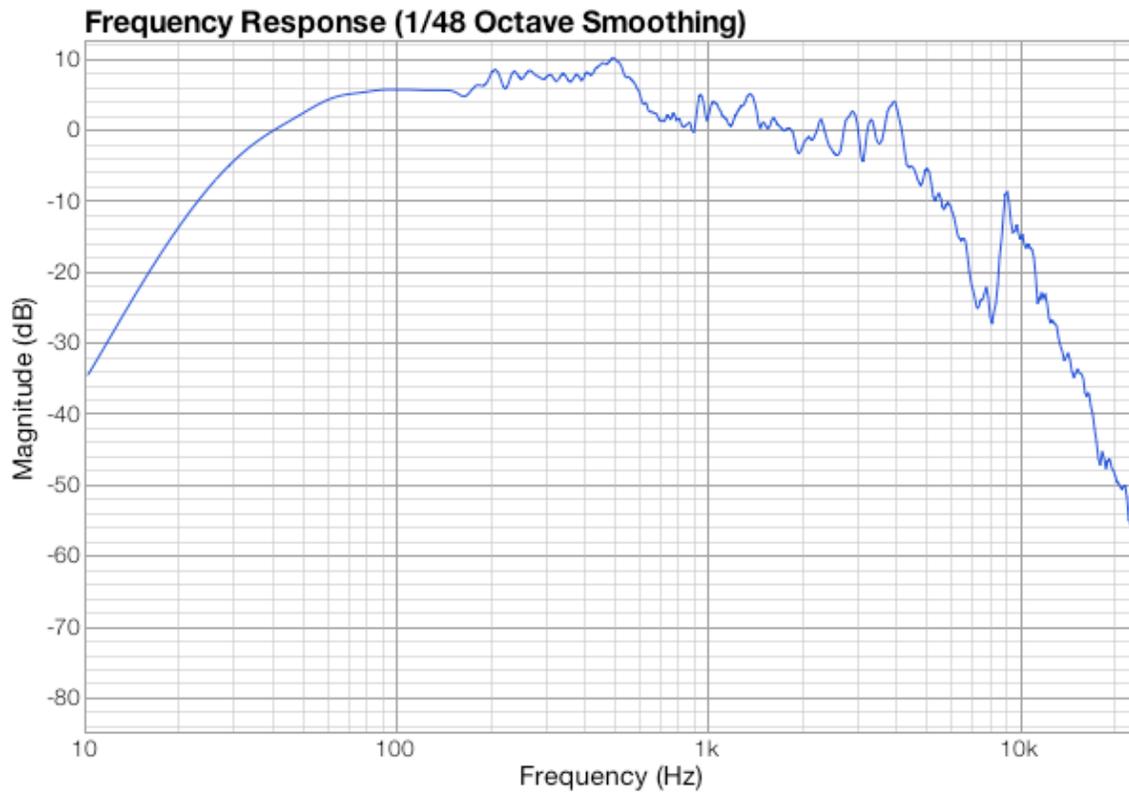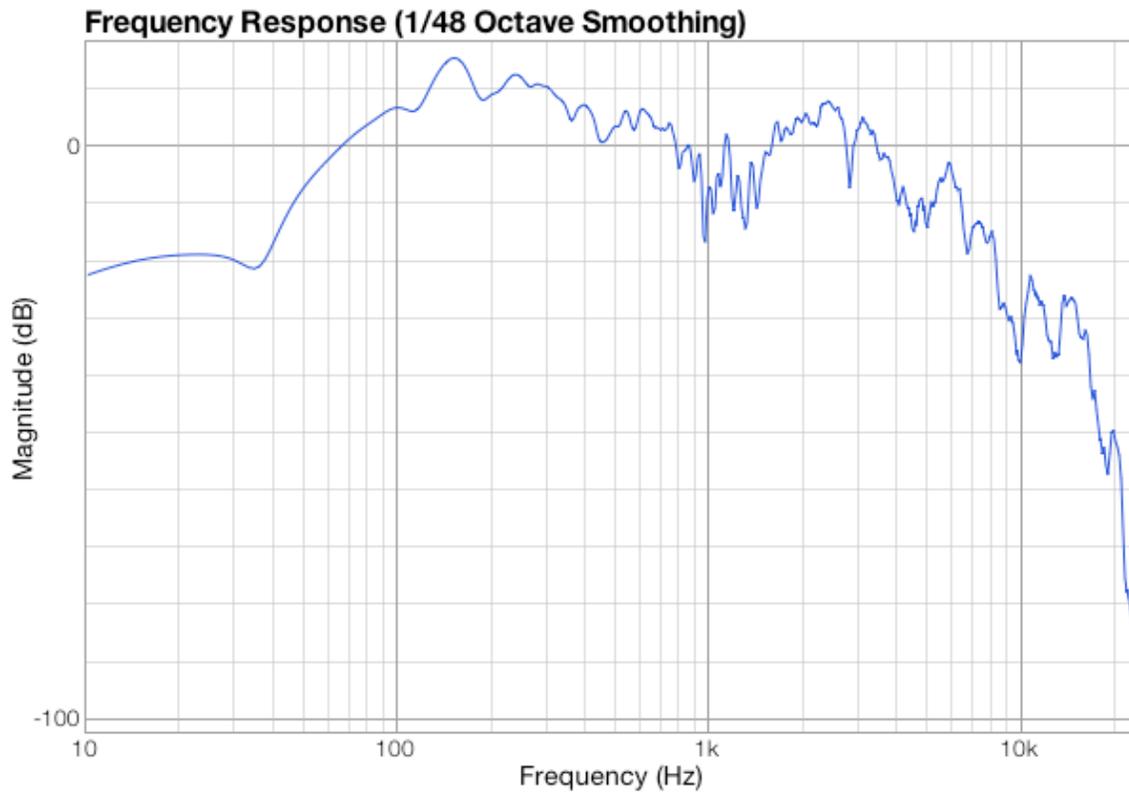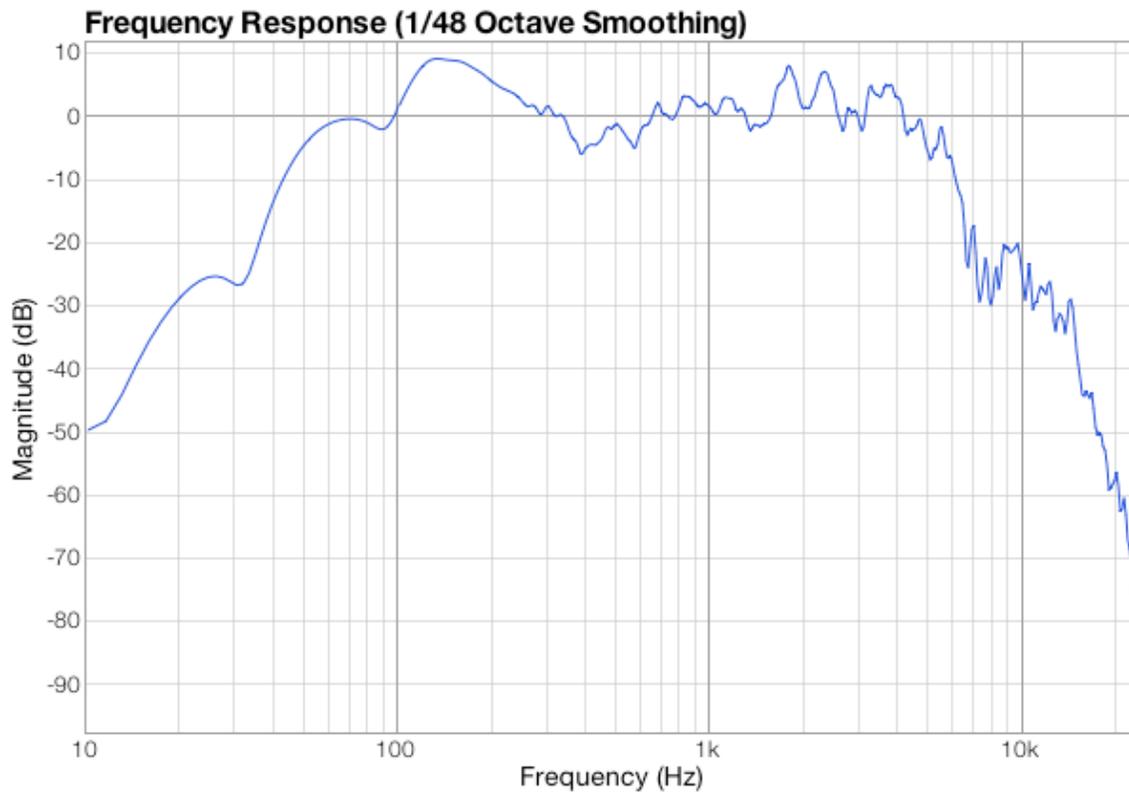
2x12 Jazz (RW)
Based on: Roland Jazz Chorus JC–120 with Roland 12" speakers. Clean, clean, clean.
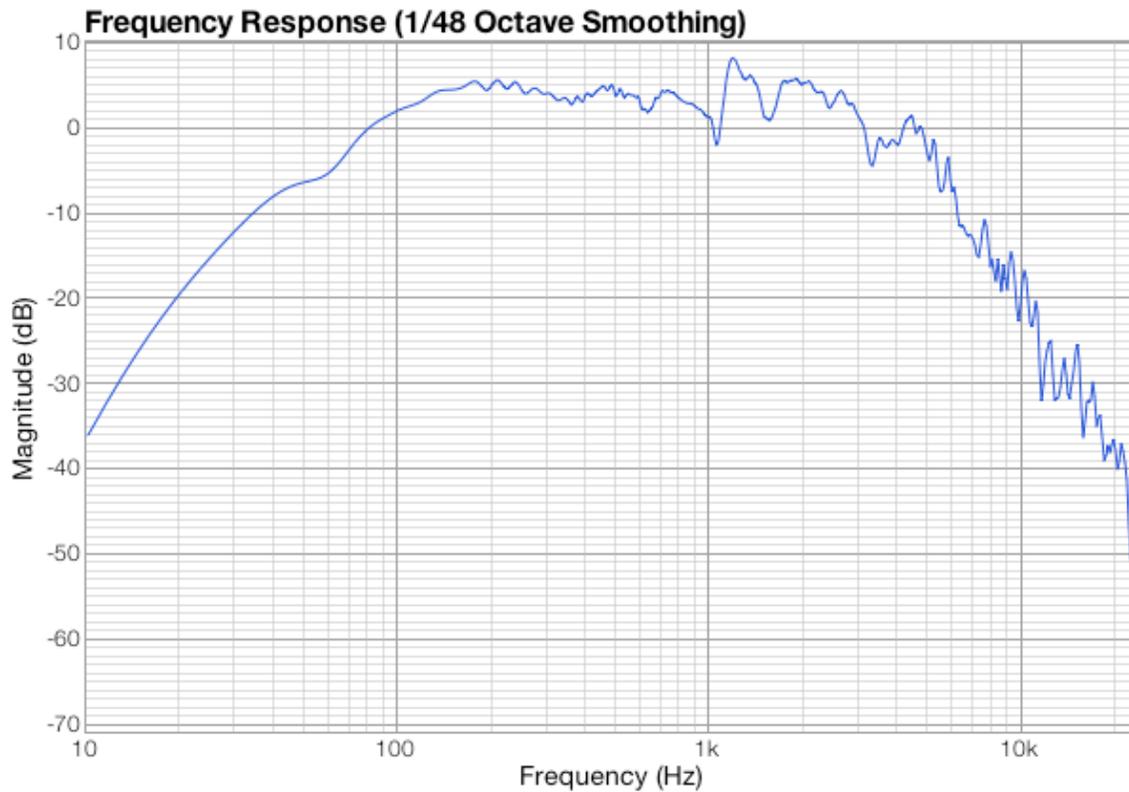**Kinda like a more scooped JBL D120.**

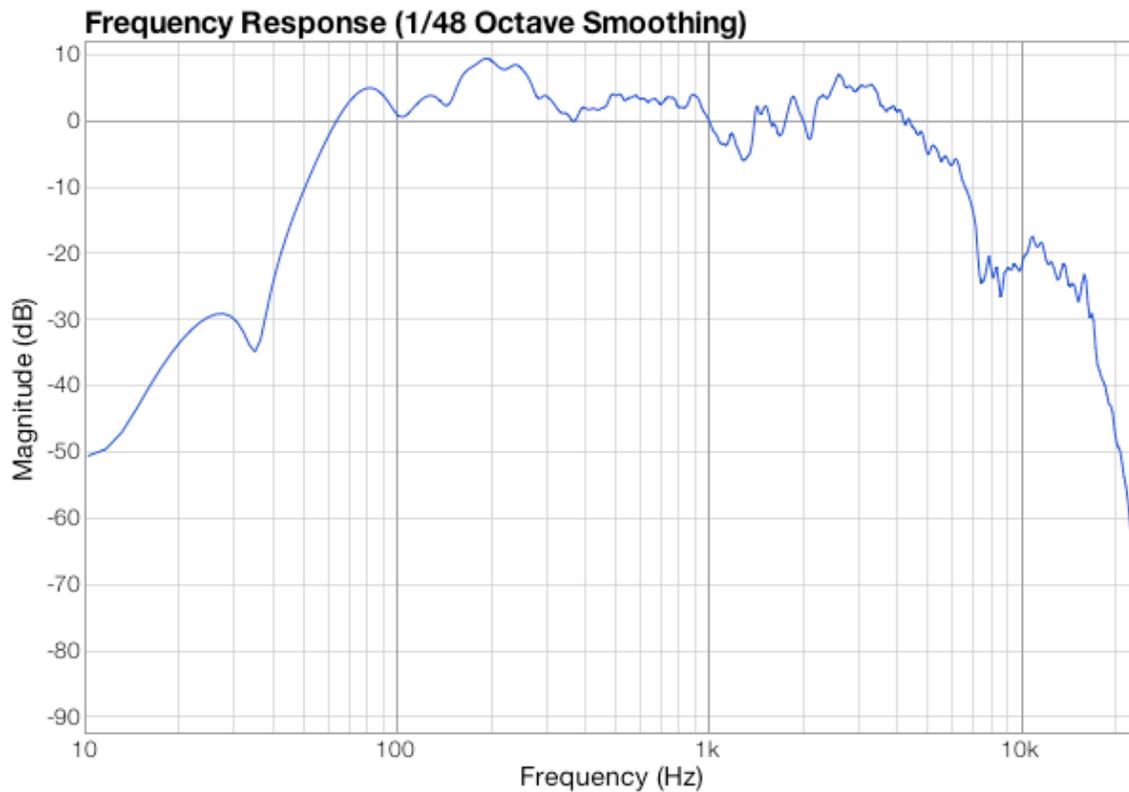**2x12 Gold 30 Far–Field (JM)**
Far–field IR of a Celestion Alnico Gold.

2x12 G12–65 Far–Field (JM)
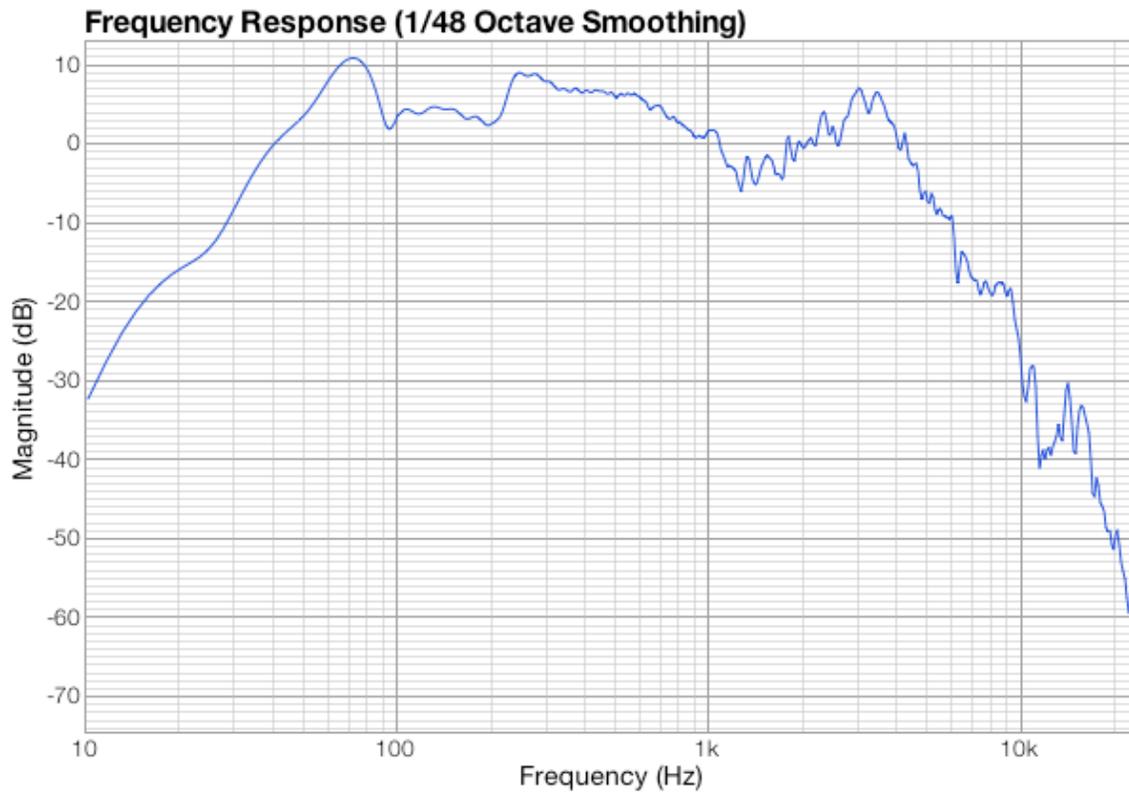**Far–field IR of a Celestion G12–65.**

2x12 Boutique
Based on: Matchless 2x12.

2x15 Doubleshow (RW)
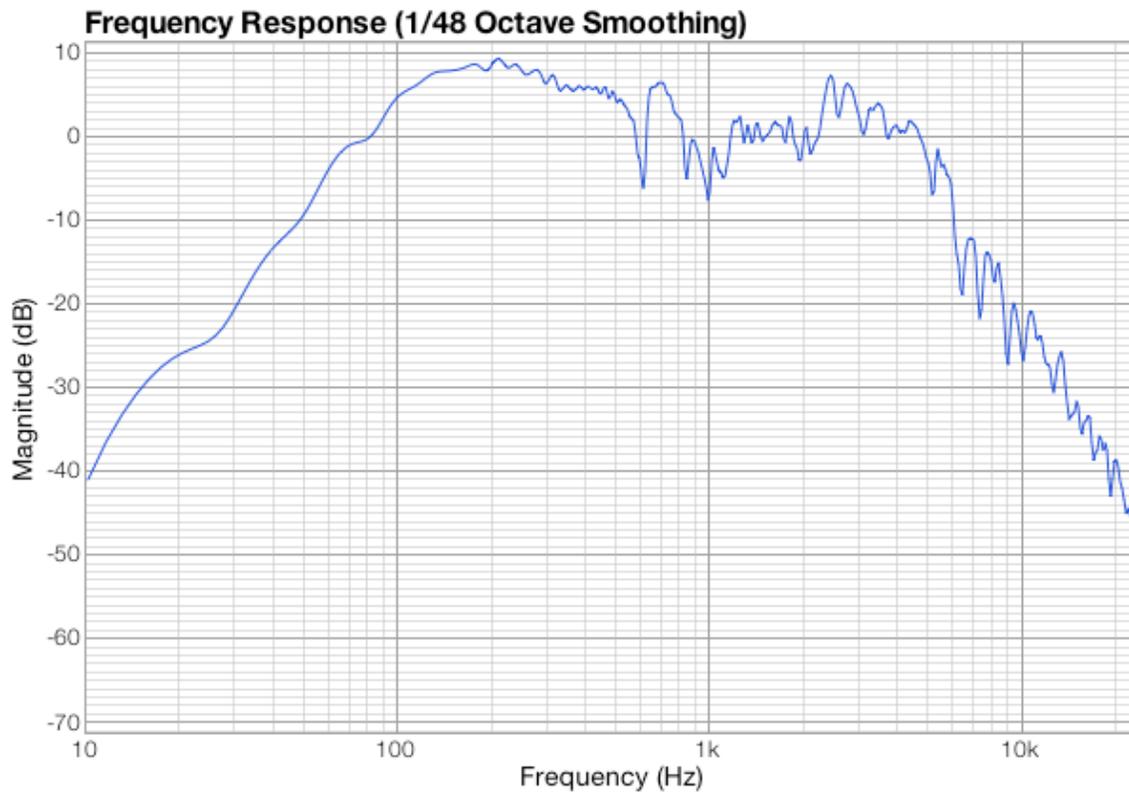**Based on: Fender Dual Showman cabinet loaded with vintage JBL D130s.**

4x10 Tweed Bass
**Based on: Fender 4x10 Bassman.**

4x10 Bassguy P10 (RW)
Based on: Reproduction Narrow Panel Tweed Bassman cabinet loaded with vintage '57 Jensen P10Qs. Crunchy upper–mids, scooped low–mids, and tons of low–end below 70Hz.
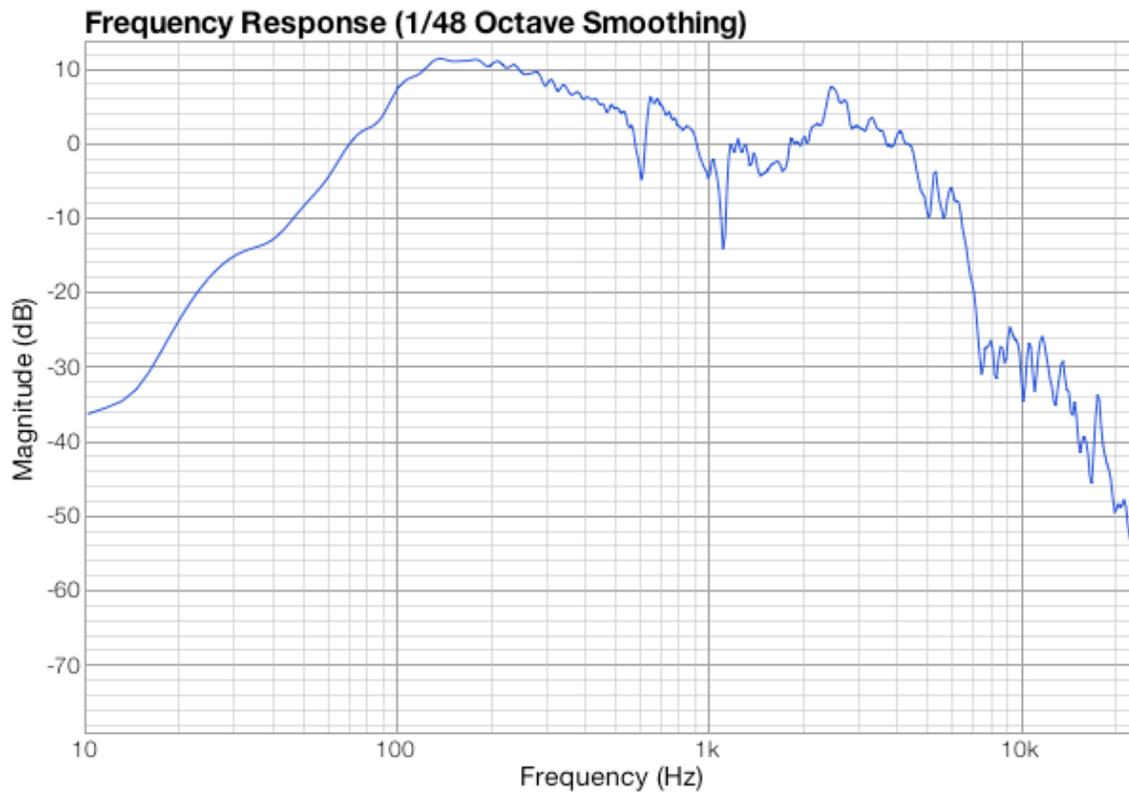

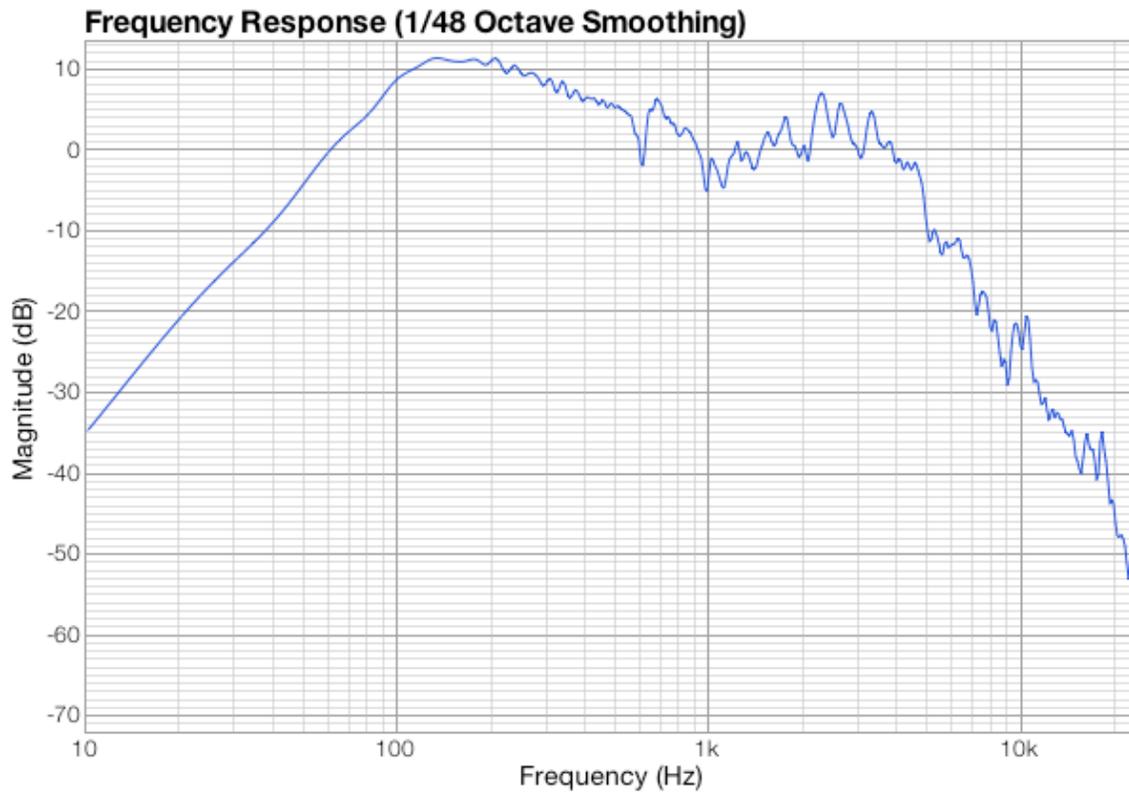**4x12 Basketweave G12H30 (RW)**
Based on: '68 Marshall Basketweave 4x12 loaded with a matched quad of vintage, 30–watt, Celestion G12H "blackbacks". T1281 frames and "444", 55Hz bass cones from the late 70's.

17
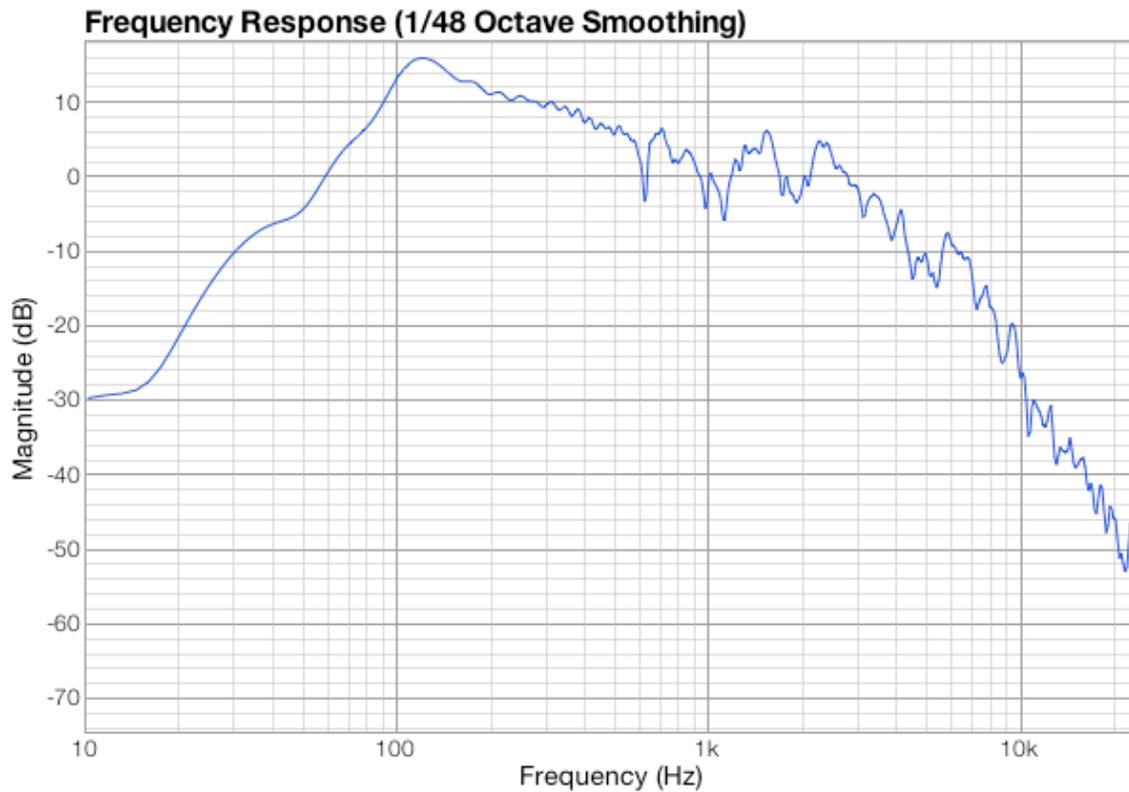
4x12 Basketweave G12L (RW)
Based on: '68 Marshall Basketweave 4x12 loaded with vintage Celestion G12Ls.
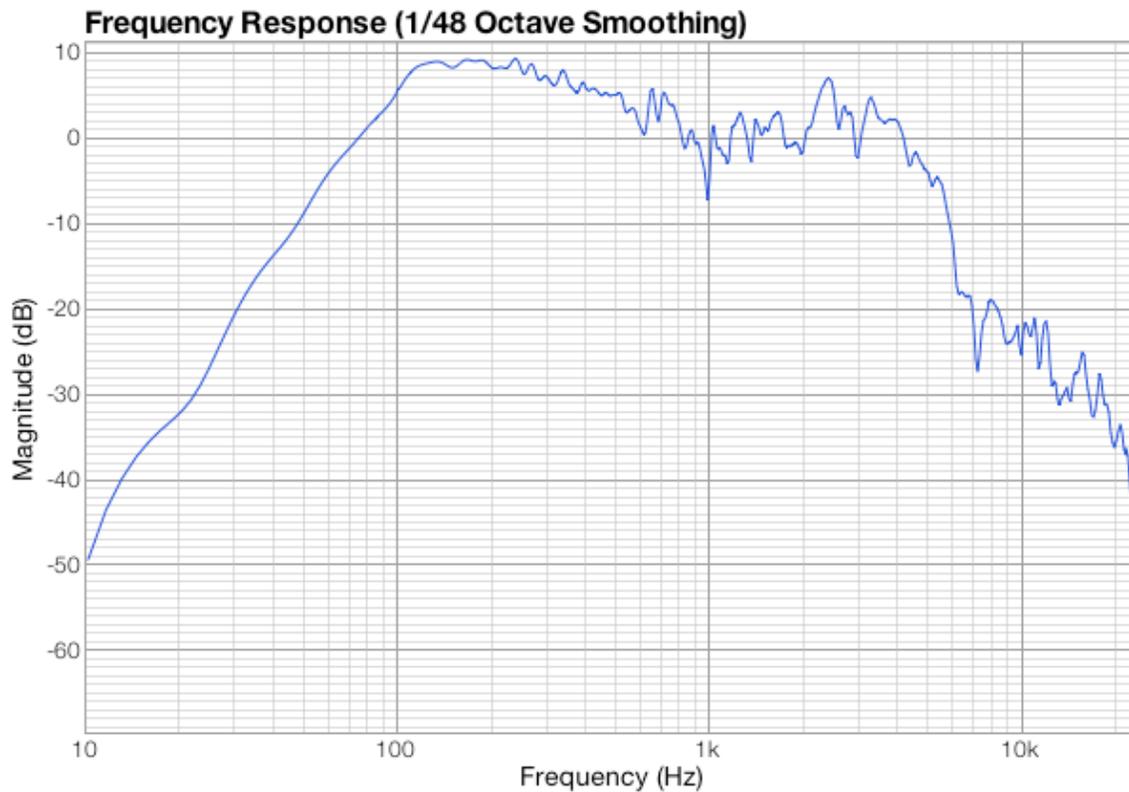

4x12 Basketweave G12M20 (RW)
**Based on: '68 Marshall Basketweave 4x12 loaded with 20–watt Celestion Heritage G12Ms. Brown sound all around.**

4x12 Basketweave G12M25 (RW)
Based on: '68 Marshall Basketweave 4x12 loaded with vintage Marshall–labeled 25–watt Celestion G12Ms.
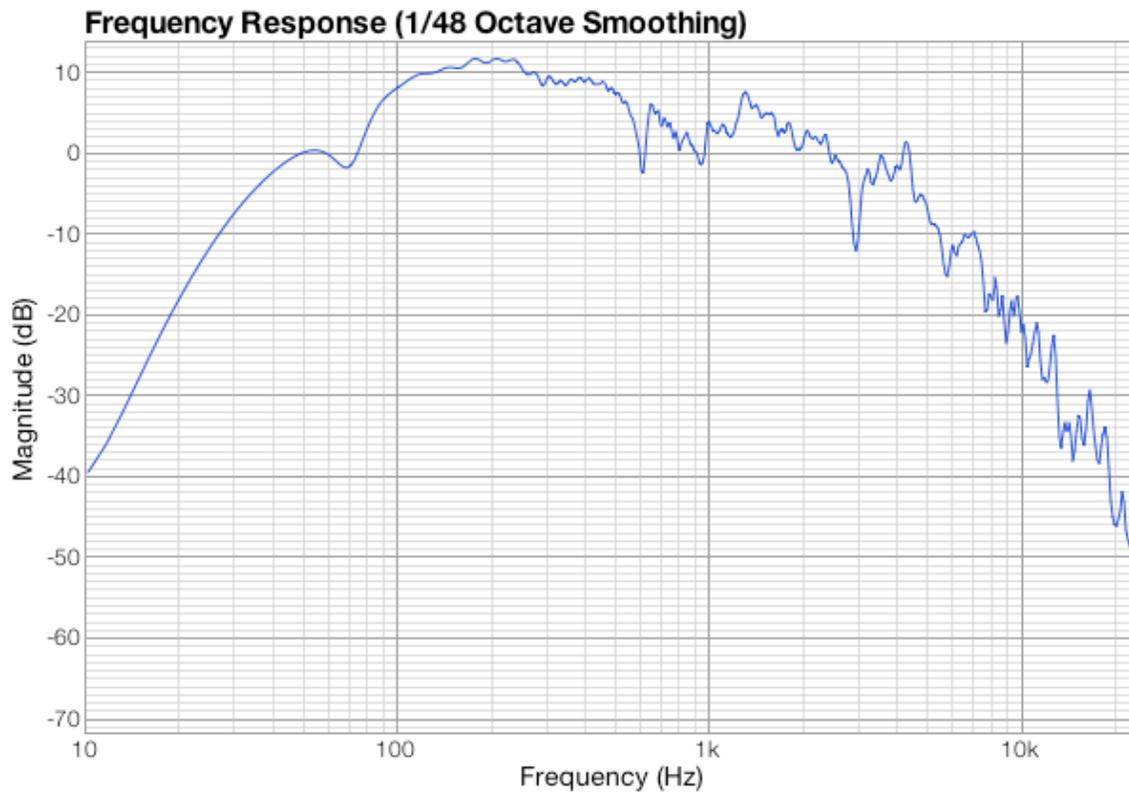**For those who care, these beauties have T1221 frames and Pulsonic 003 "lead" cones.**

4x12 1960A G12M (RW)
Based on: "Slant Marshall 1960 loaded with four 25–watt Celestion G12Ms, otherwise known as "Greenbacks".
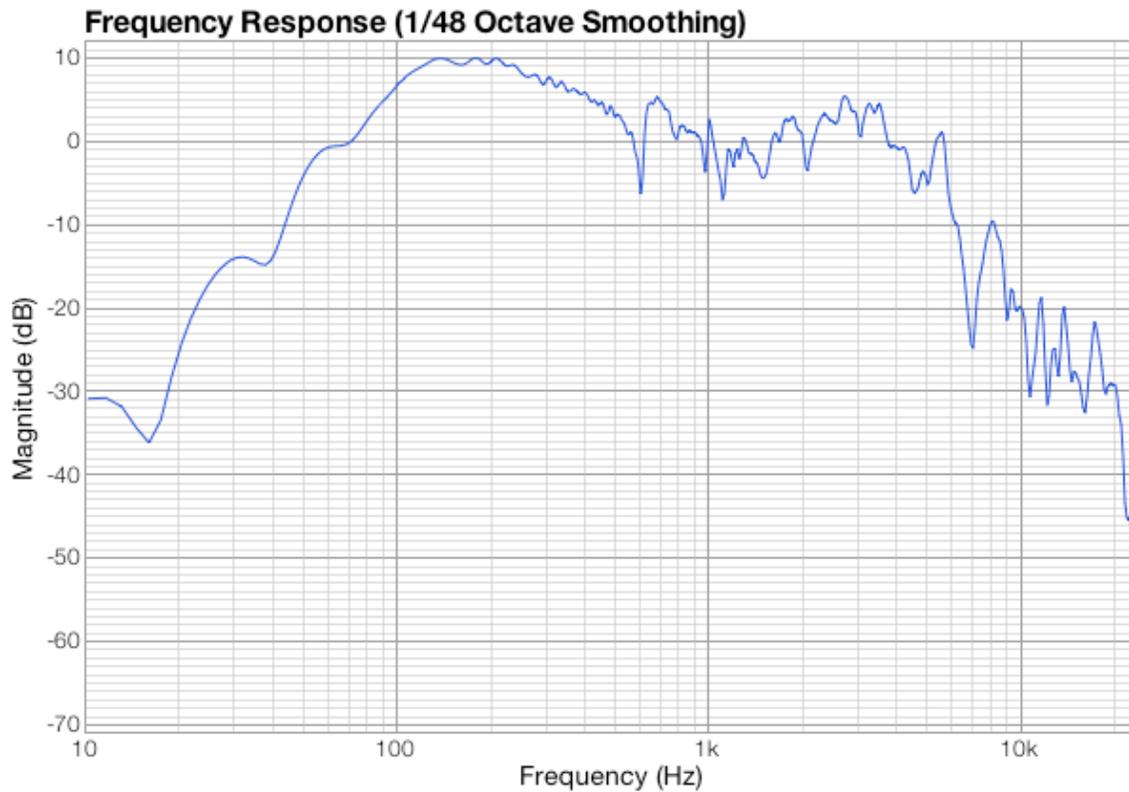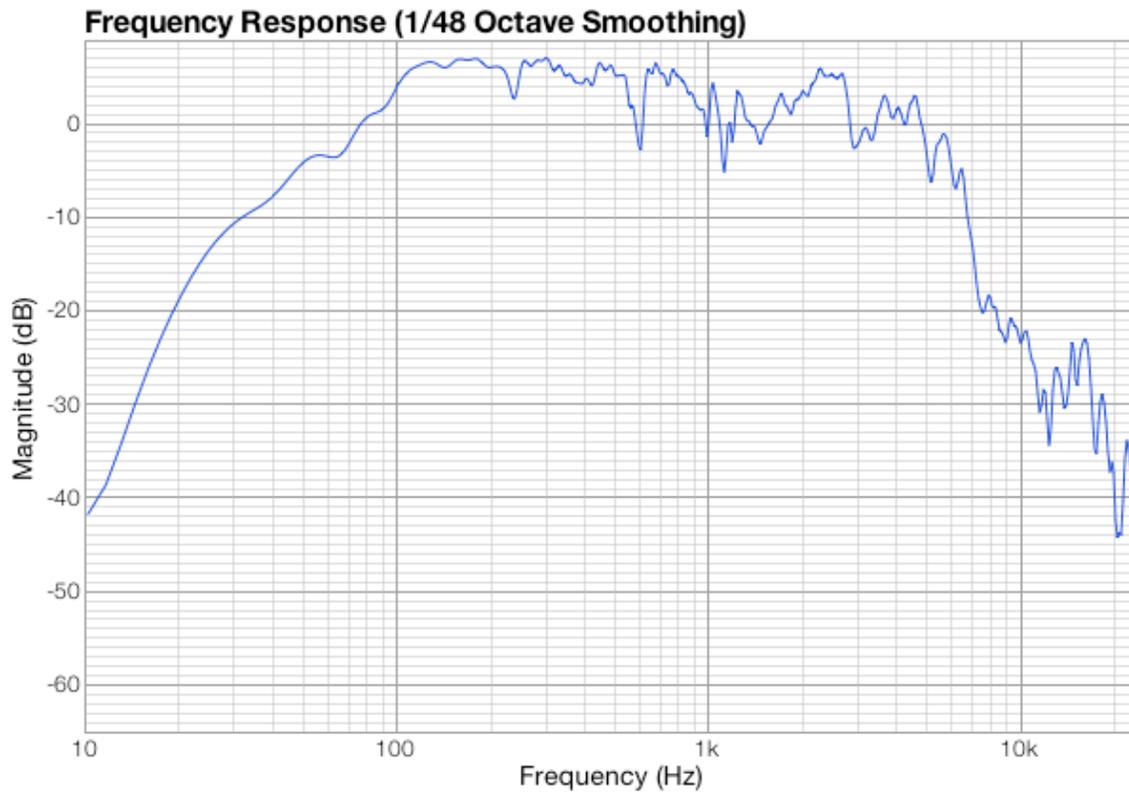
4x12 1960B T75 (RW)
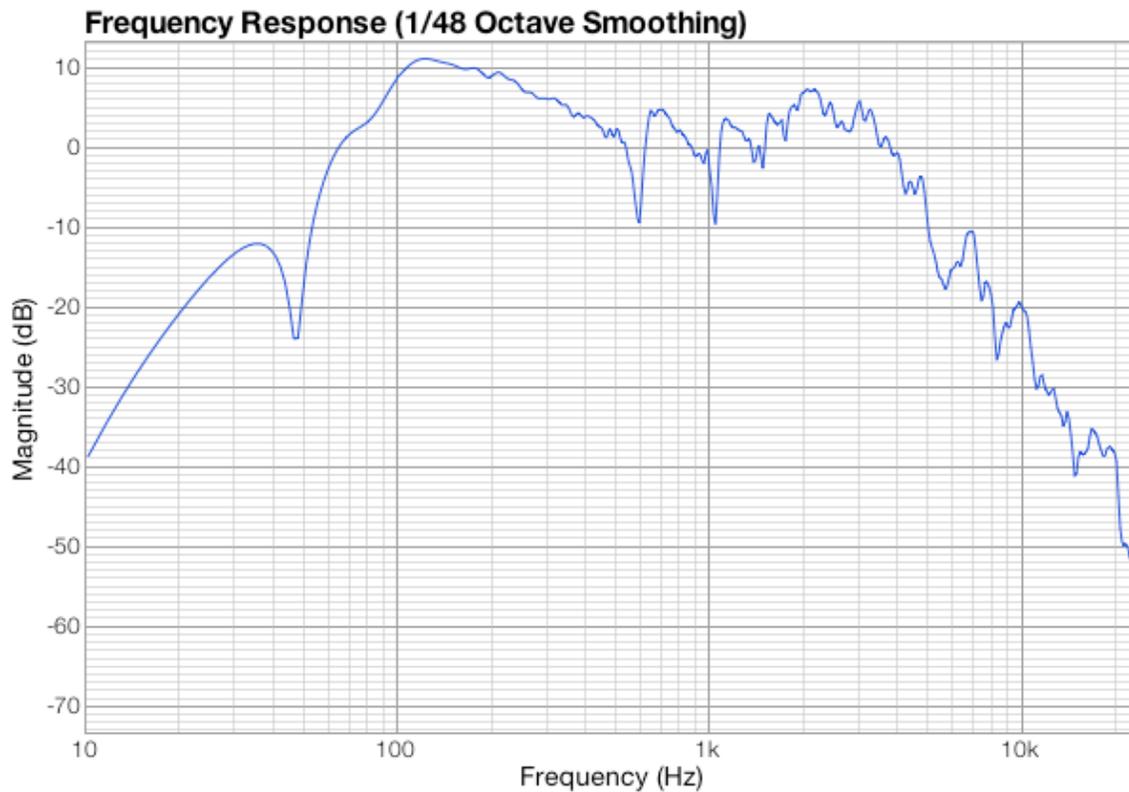**Based on: Straight Marshall 1960 loaded with four Celestion G12T–75s.**

4x12 1960B K120 (RW)
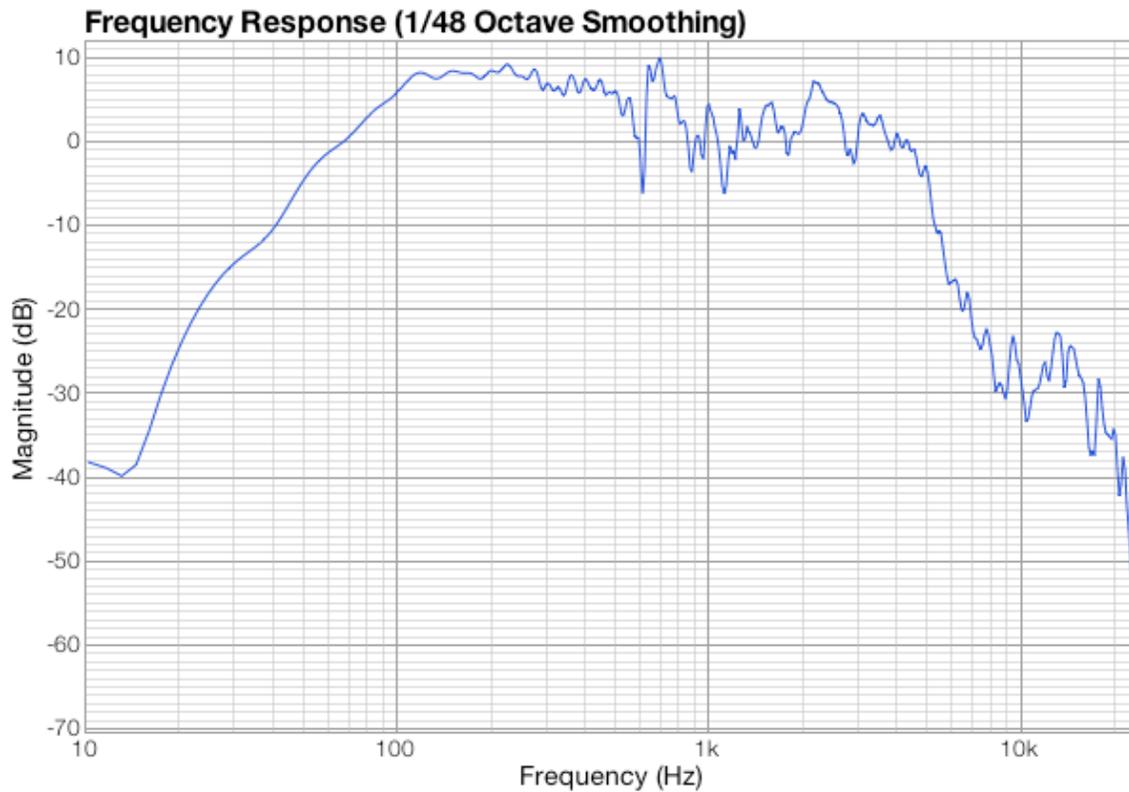**Based on: Marshall 1960 cabinet loaded with JBL K120s.**

4x12 1960B V30 (RW)
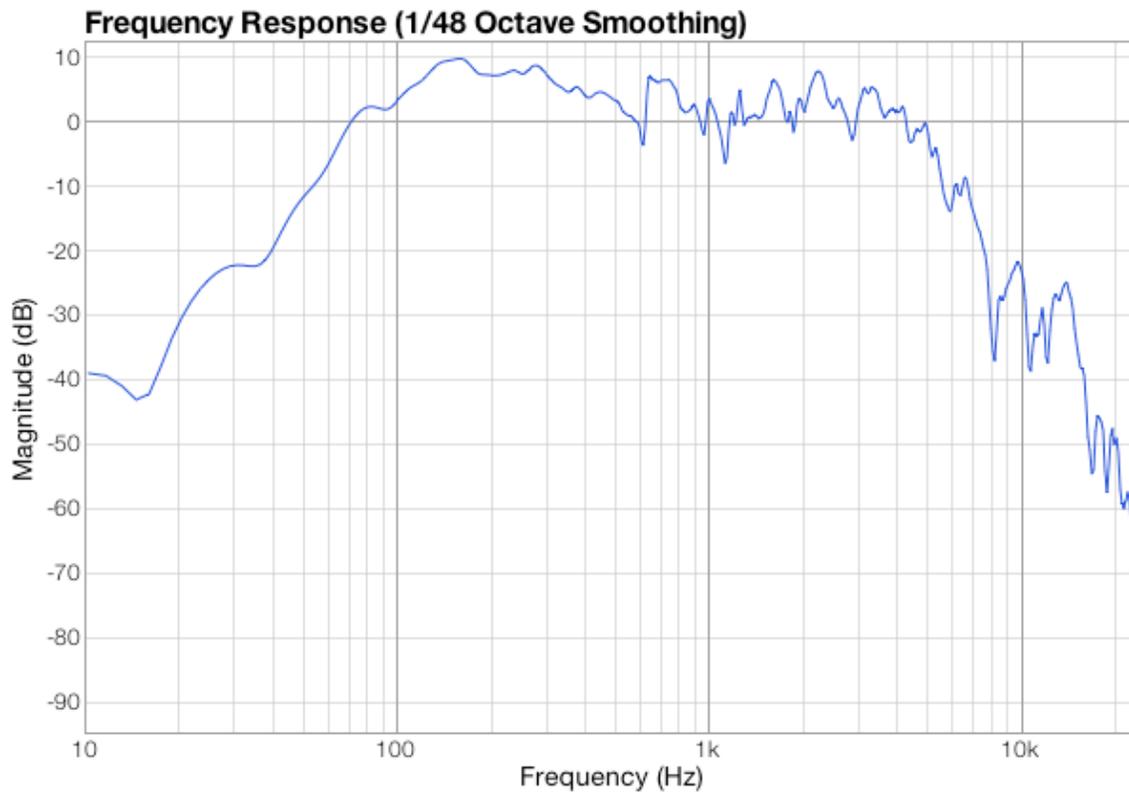**Based on: Straight Marshall 1960 loaded with four Celestion Vintage 30s.**

4x12 Hi-Power (RW)
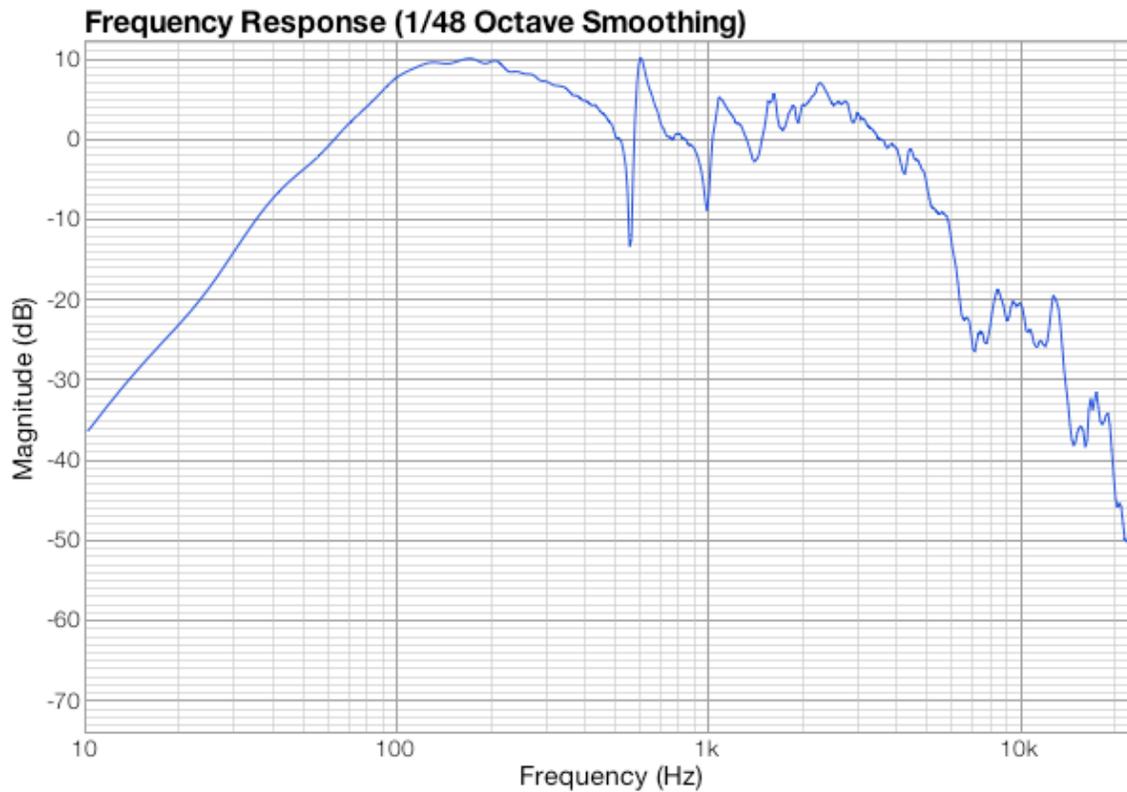**Based on: 1975 Hiwatt SE4123 cabinet loaded with four vintage 50-watt Fane purplebacks.**

4x12 Recto V30 (RW)
**Based on: Oversized Mesa Rectifier cabinet loaded with four Celestion Vintage 30s.**

4x12 Recto V30 (OH)
**Based on: Mesa Boogie Rectifier 4x12 with Celestion Vintage 30s.**

4x12 Solo V12 (RW)
**Based on: Soldano 412B loaded with four Eminence Legend V12s. A lot more high–end than the S12X version.
It's a front–loaded cab with lots o' resonance so you may need to back the mics off a bit more than usual.**
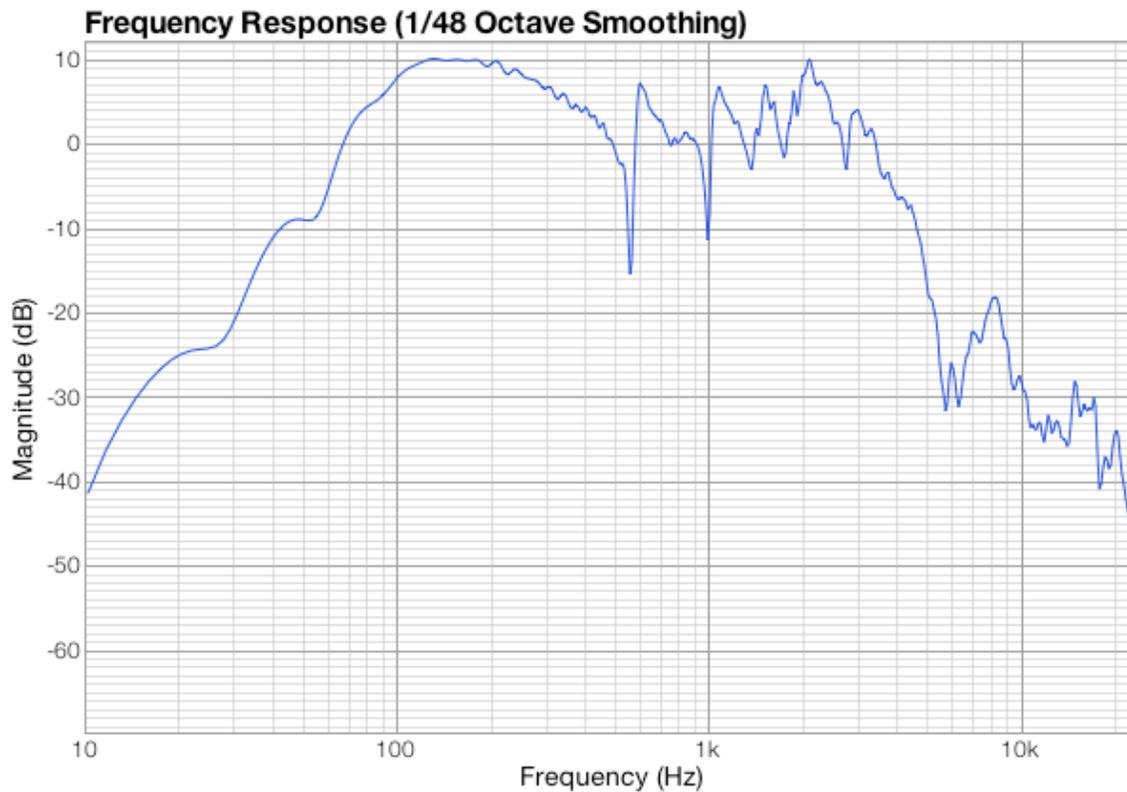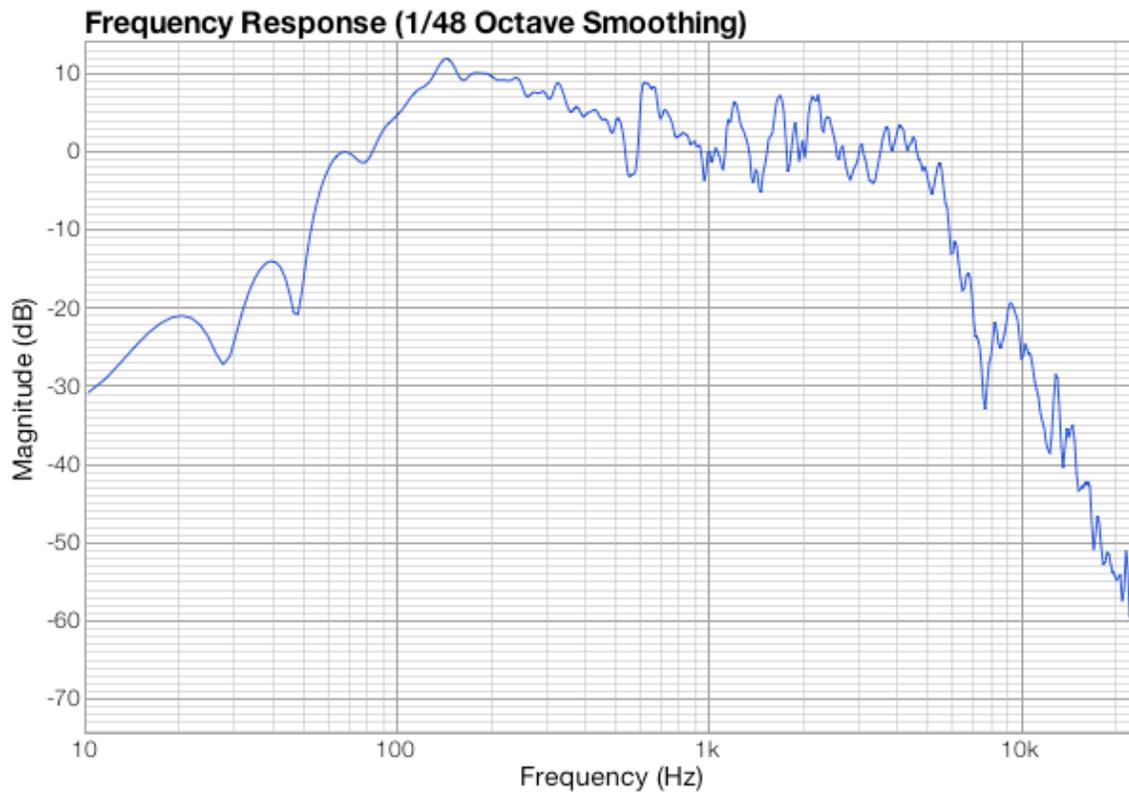

4x12 Solo S12X (RW)
**Based on: Soldano 412B loaded with four Eminence–made S12Xs. S12Xs were stock in the older cabs. Give this
one a little more distance than you might normally, the cab resonance is pronounced up close and the
speakers have a notch in the upper mids between 4–8KHz. Nice for taming fizzy guitars.**
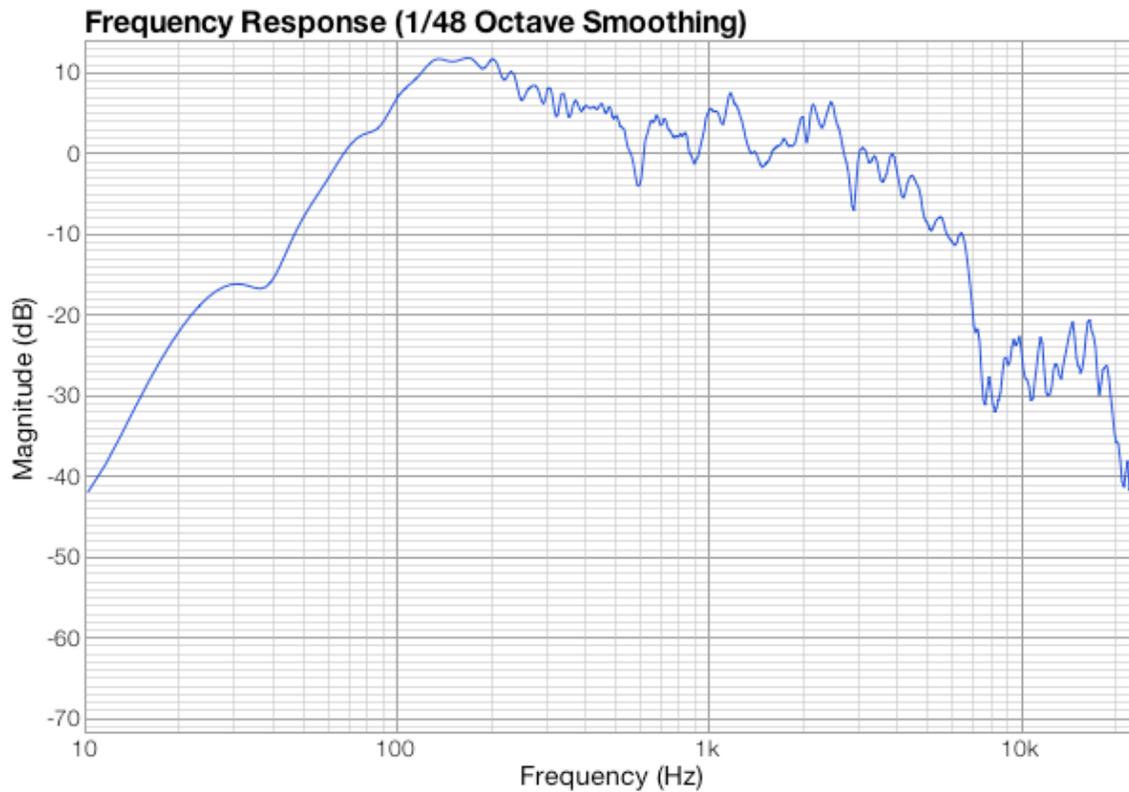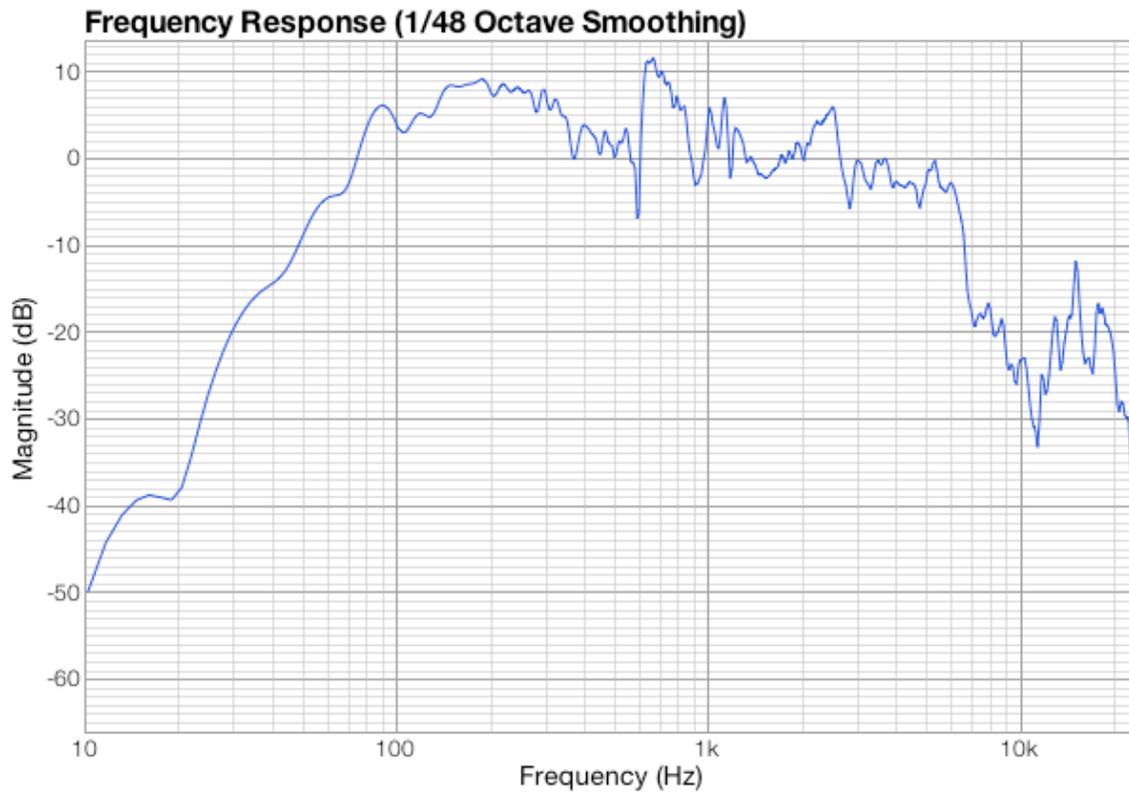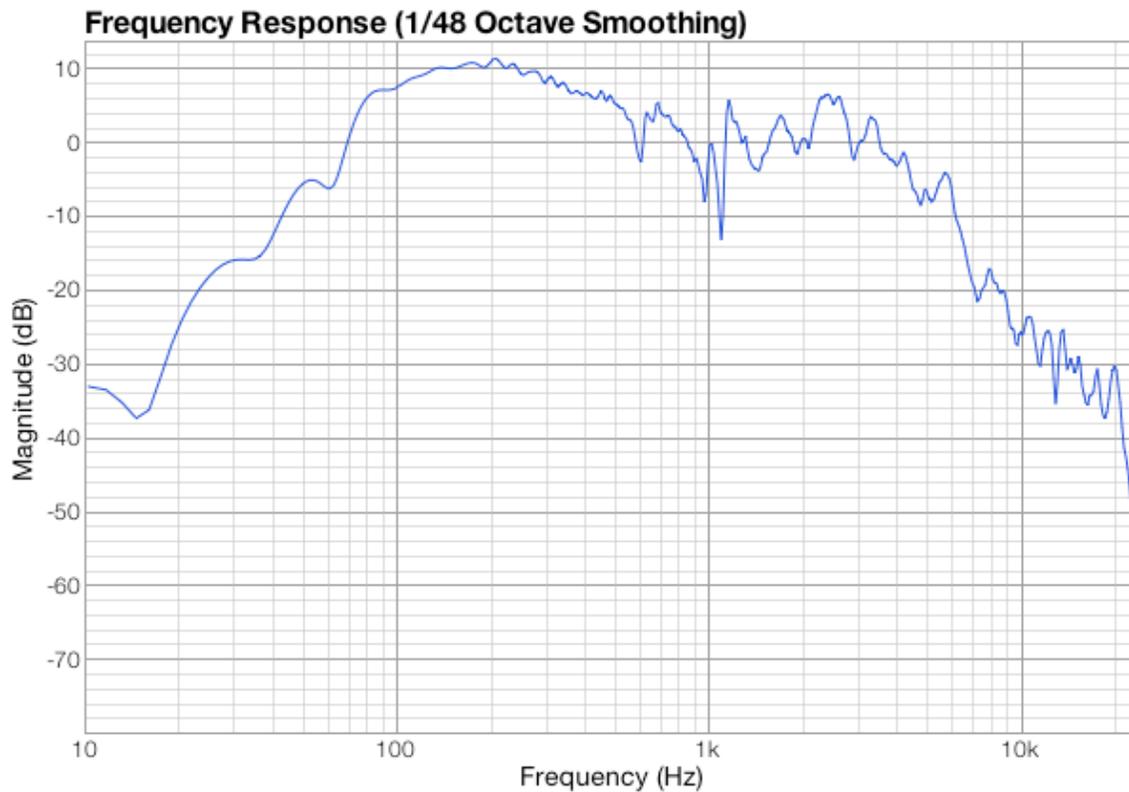
4x12 German V30 (RW)
???

4x12 German Boutique (RW)
Probably based on a ENGL Pro 4x12 cabinet loaded with four Celestion Vintage 30s.
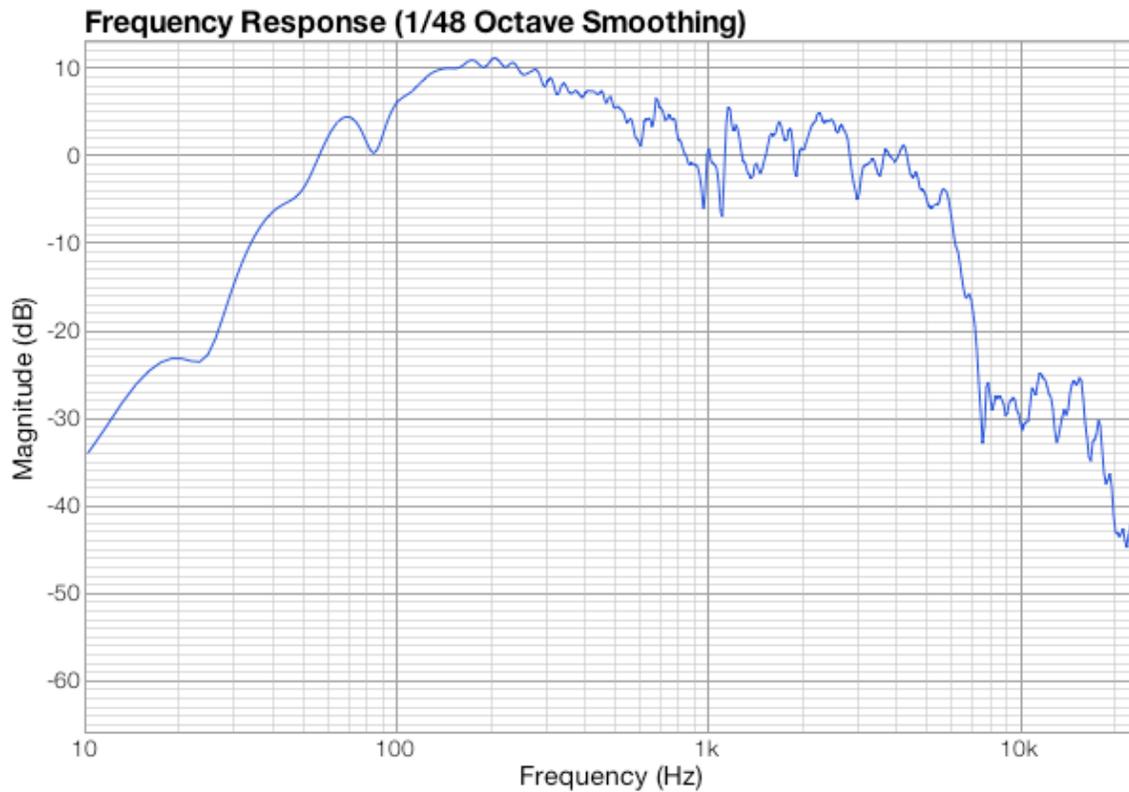
4x12 PVH 6160 (RW)
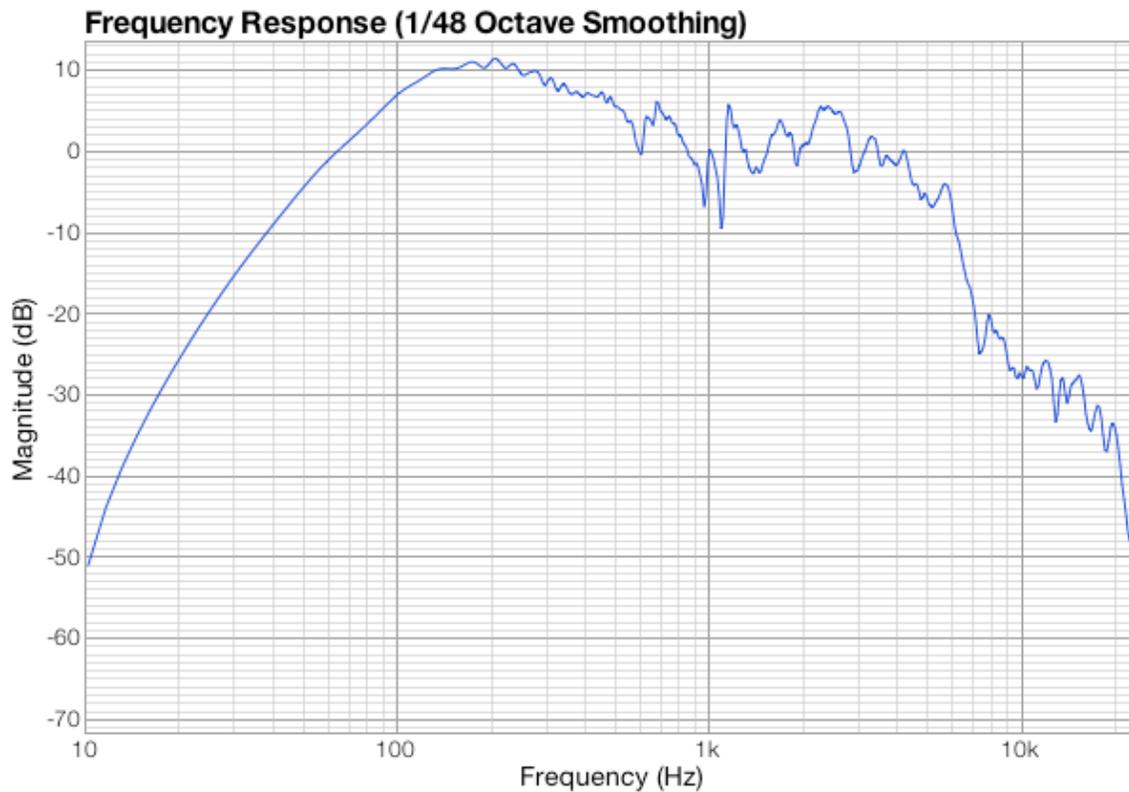**Based on: Older model Peavey 5150 4x12 cabinet loaded with four Sheffield 1200 speakers.**

4x12 Uber T75 (RW)
Based on: Bogner Uberkab. The Uberkab is loaded with both Celestion G12T–75s and Vintage 30s.
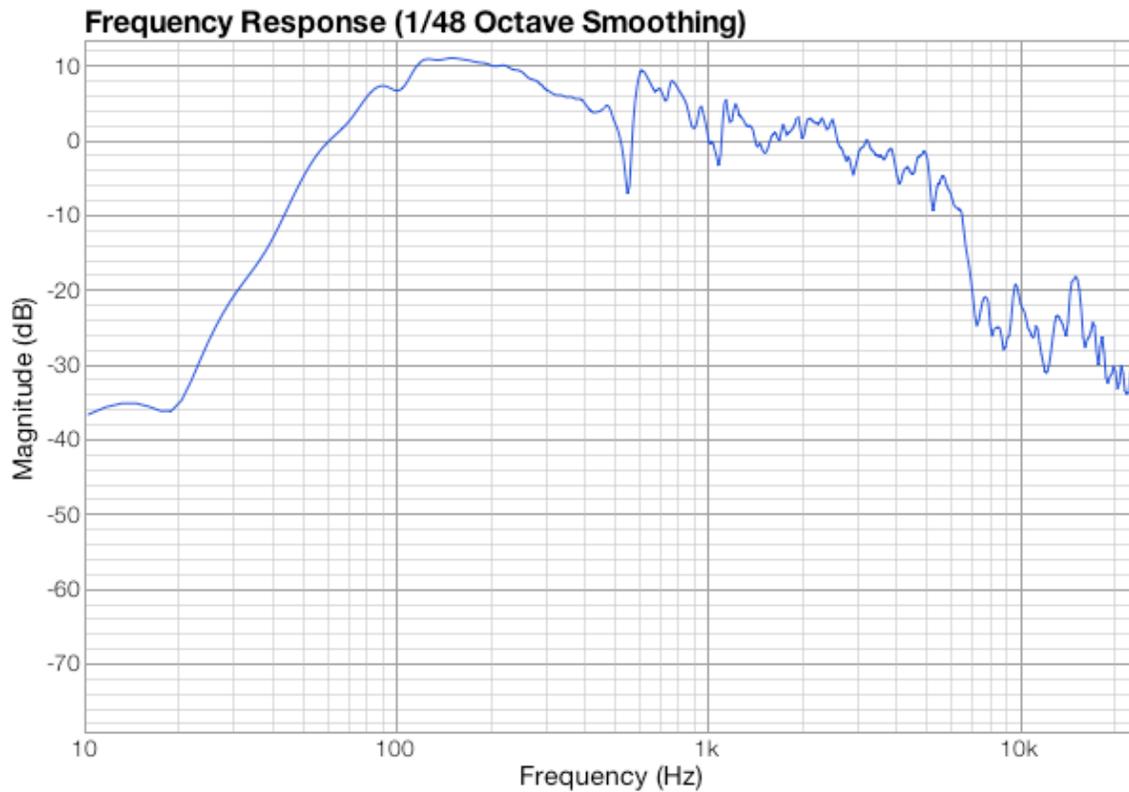**This particular set features the T–75s.**

4x12 Uber V30 (RW)
Based on: Bogner Uberkab. The Uberkab is loaded with both Celestion G12T–75s and Vintage 30s.
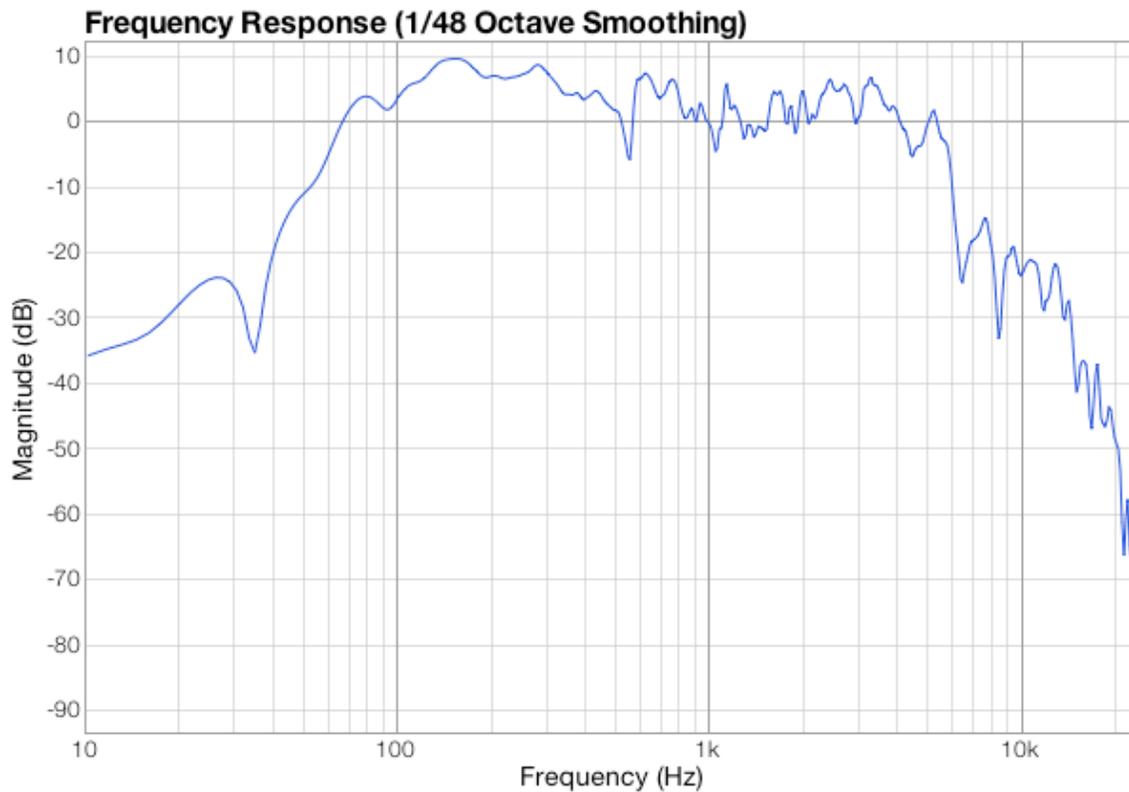**This set features the V30s.**

4x12 Uber T75+V30 (RW)
Based on: Bogner Uberkab. The Uberkab is loaded with both Celestion G12T–75s and Vintage 30s.
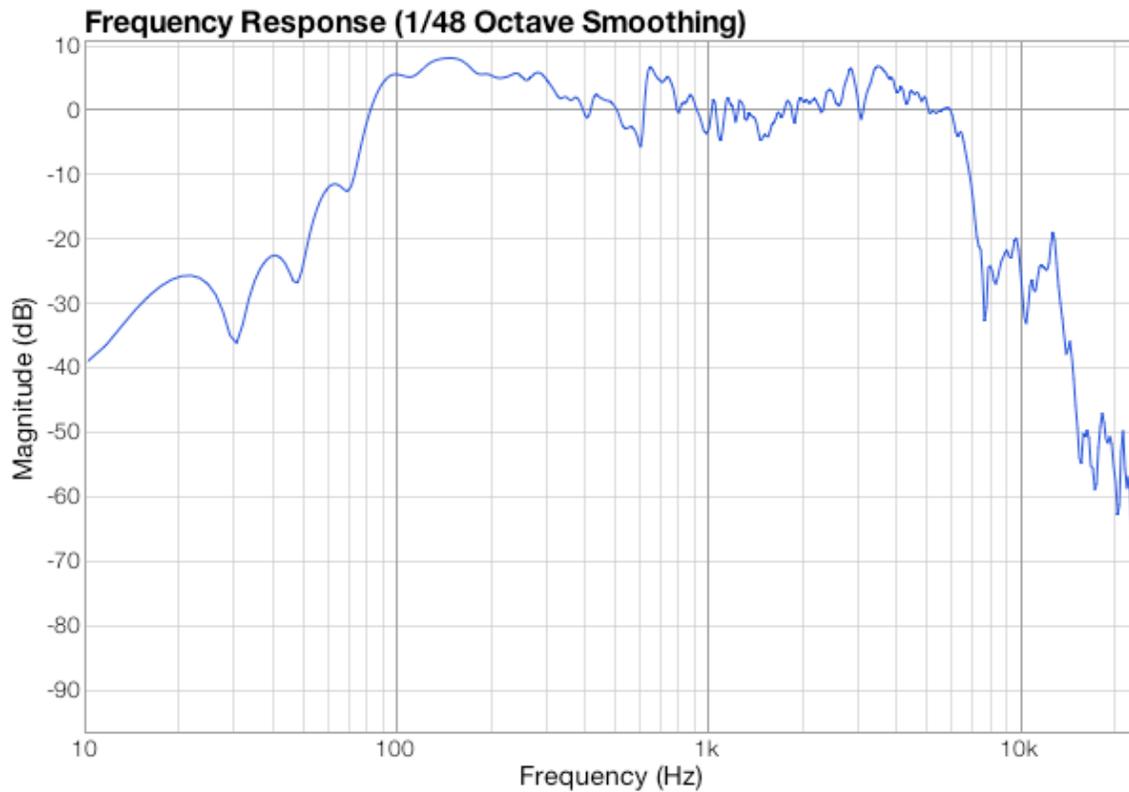**This set is a 50/50 mix of both speakers.**

4x12 Citrus V30 (RW)
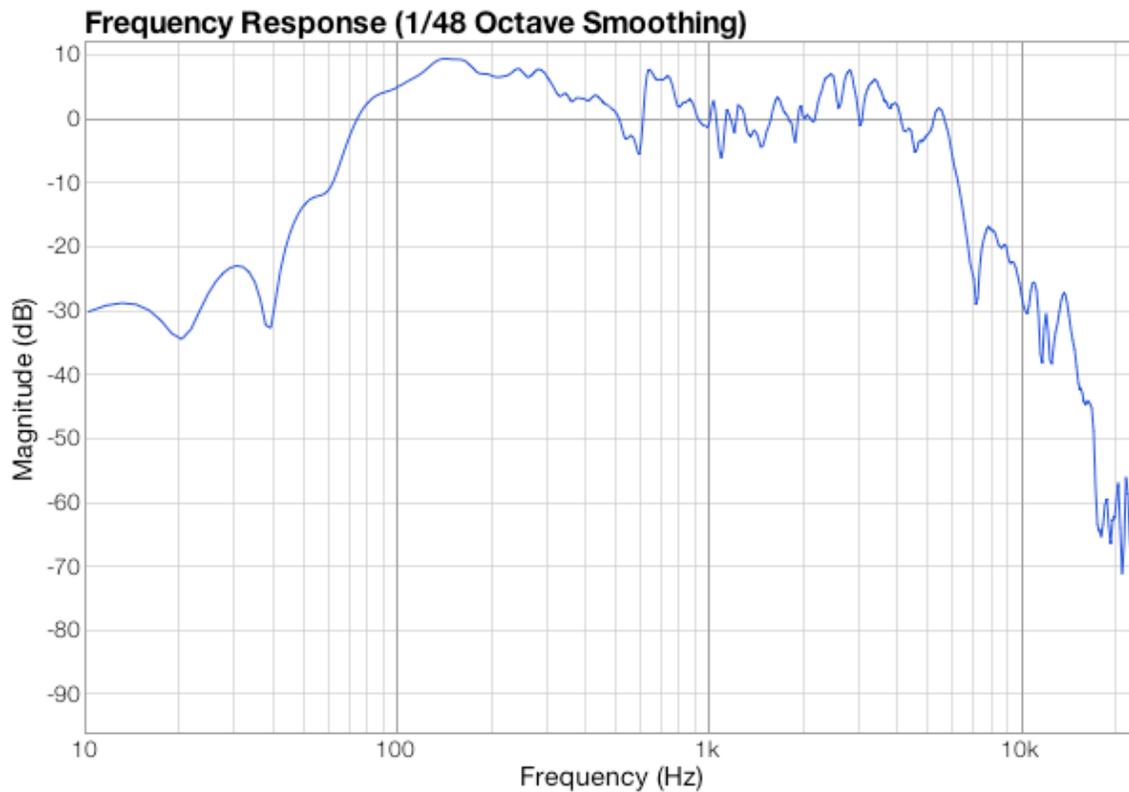**Based on: Straight Orange 4x12 (PPC412) loaded with four Celestion Vintage 30s.**
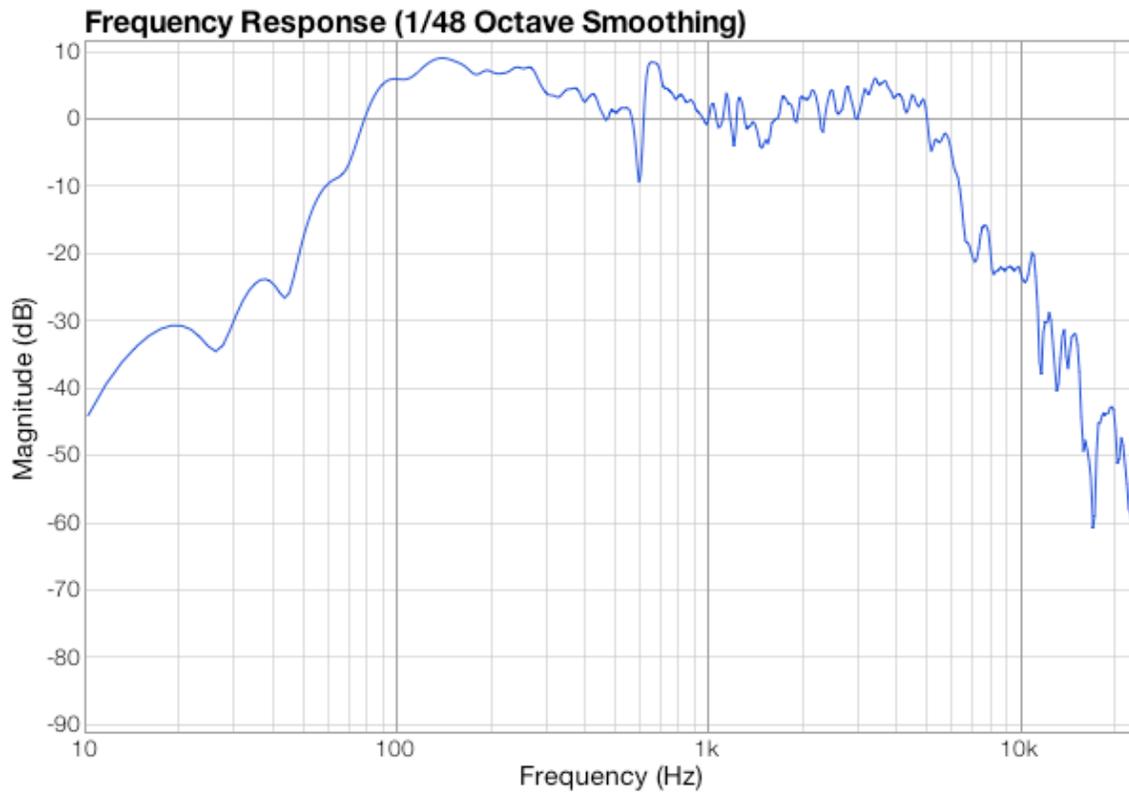

4x12 Mill 12K (OH)
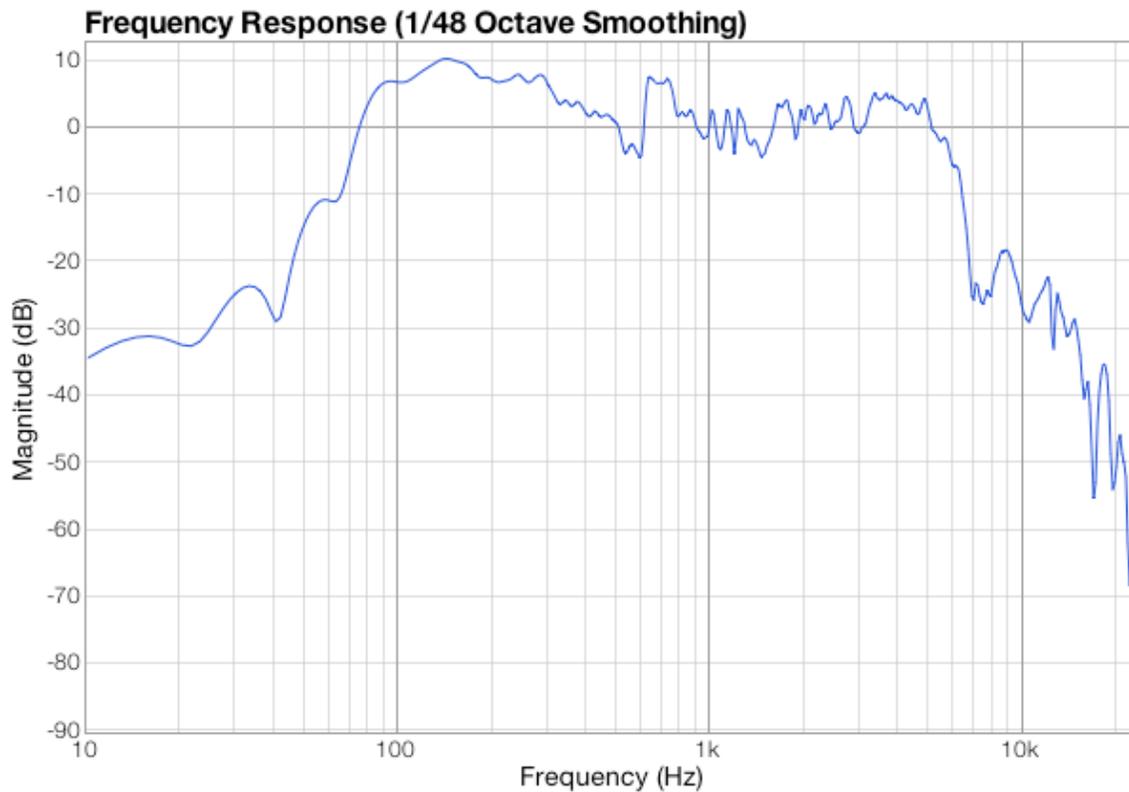**Based on: Mills Acoustics Afterburner 4x12 with Celestion G12K–100 speakers.**

4x12 SLM Blue (OH)
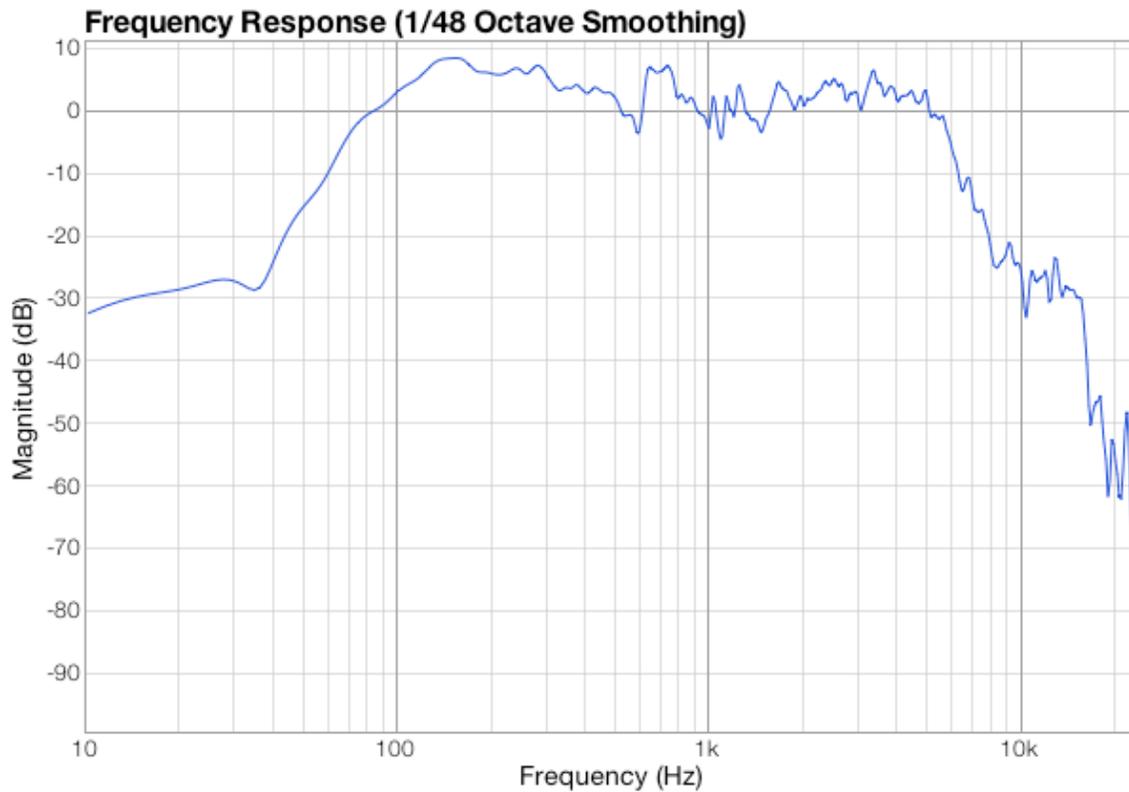**Based on: SLM Electronics 4x12 with Celestion AInico Blue speakers.**

4x12 SLM H65 (OH)
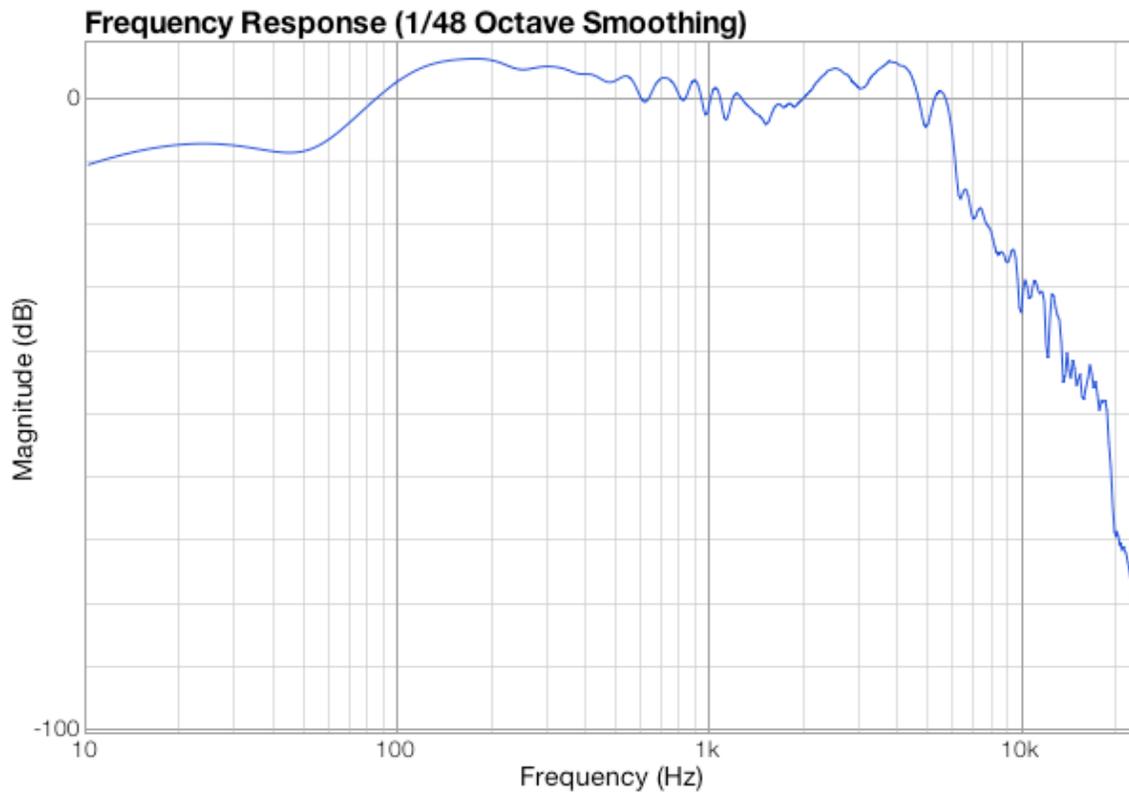**Based on: SLM Electronics 4x12 with Celestion G12−65 speakers.**

4x12 SLM H75 (0H)
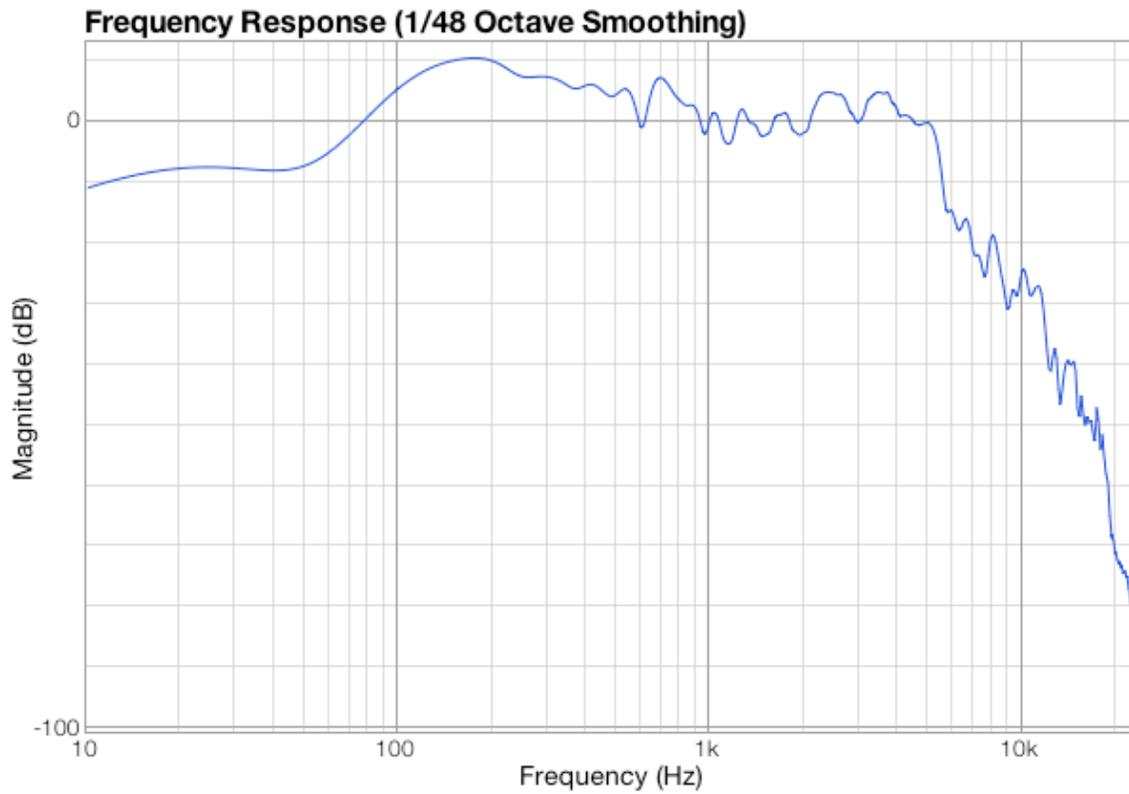**Based on: SLM Electronics 4x12 with Scumback H75 speakers.**

4x12 SLM M75 (0H)
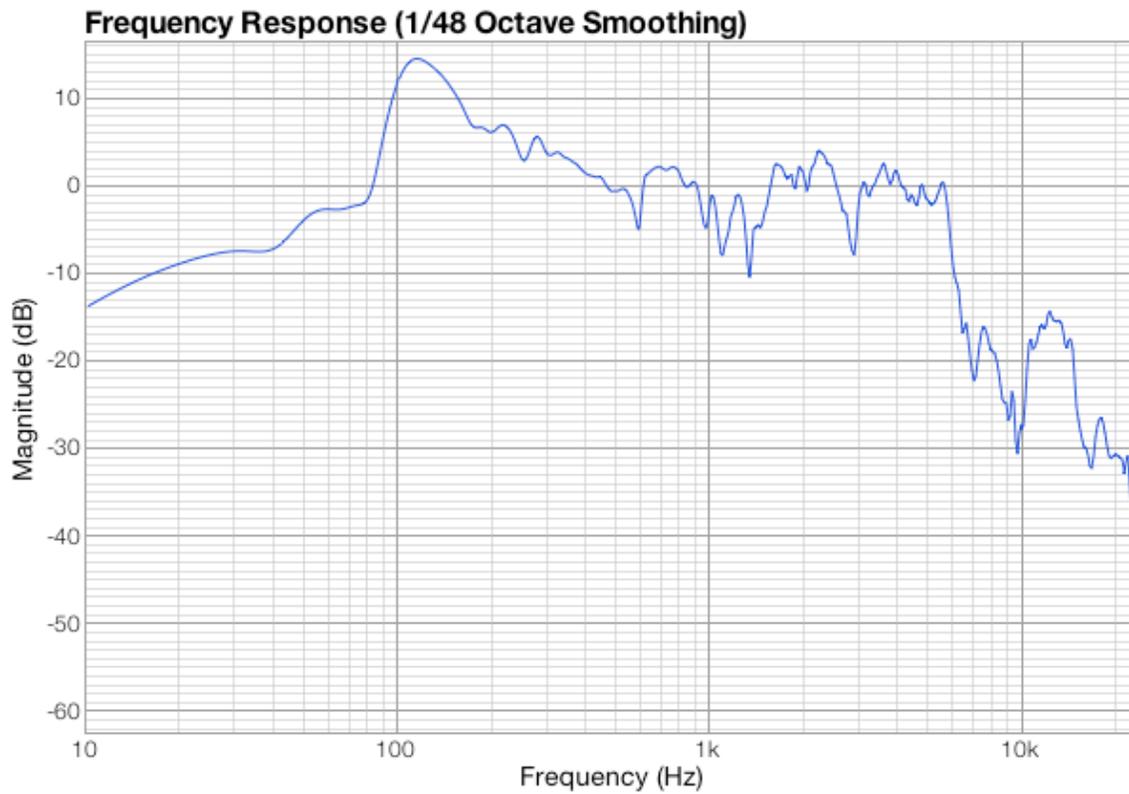**Based on: SLM Electronics 4x12 with Scumback M75 speakers.**

4x12 SLM V30 (OH)
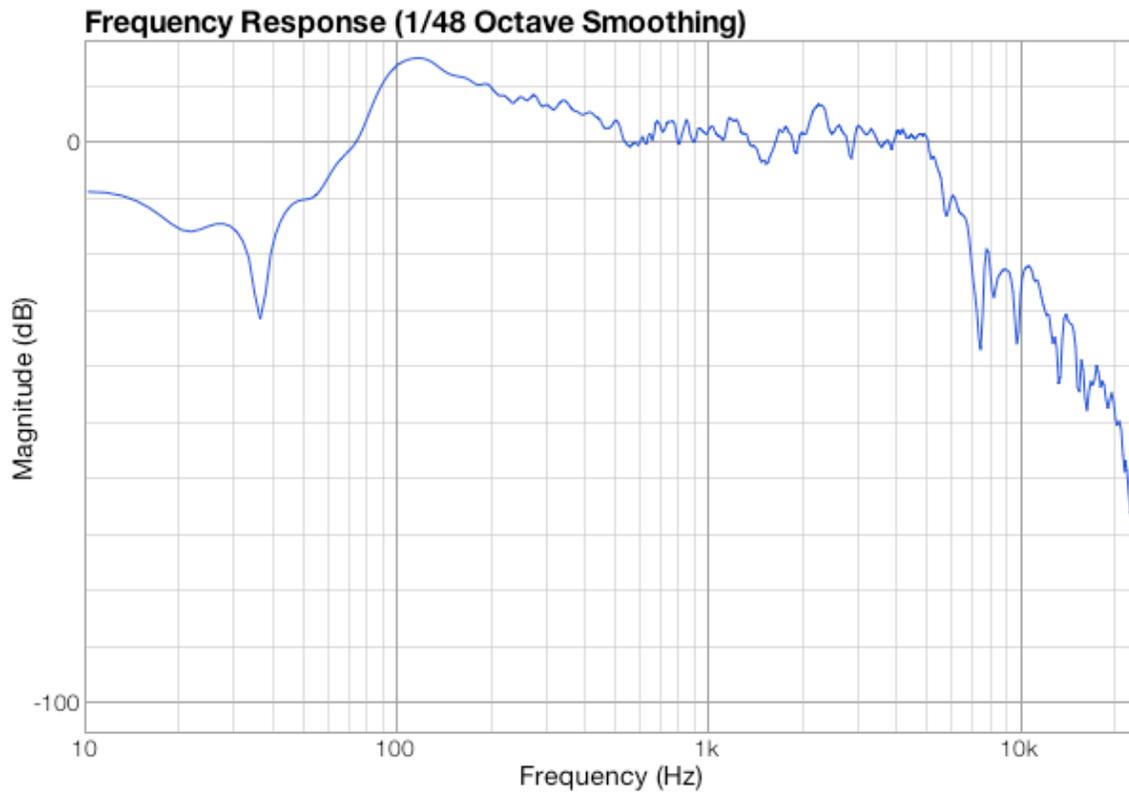**Based on: SLM Electronics 4x12 with Celestion V30 speakers.**

4x12 20W
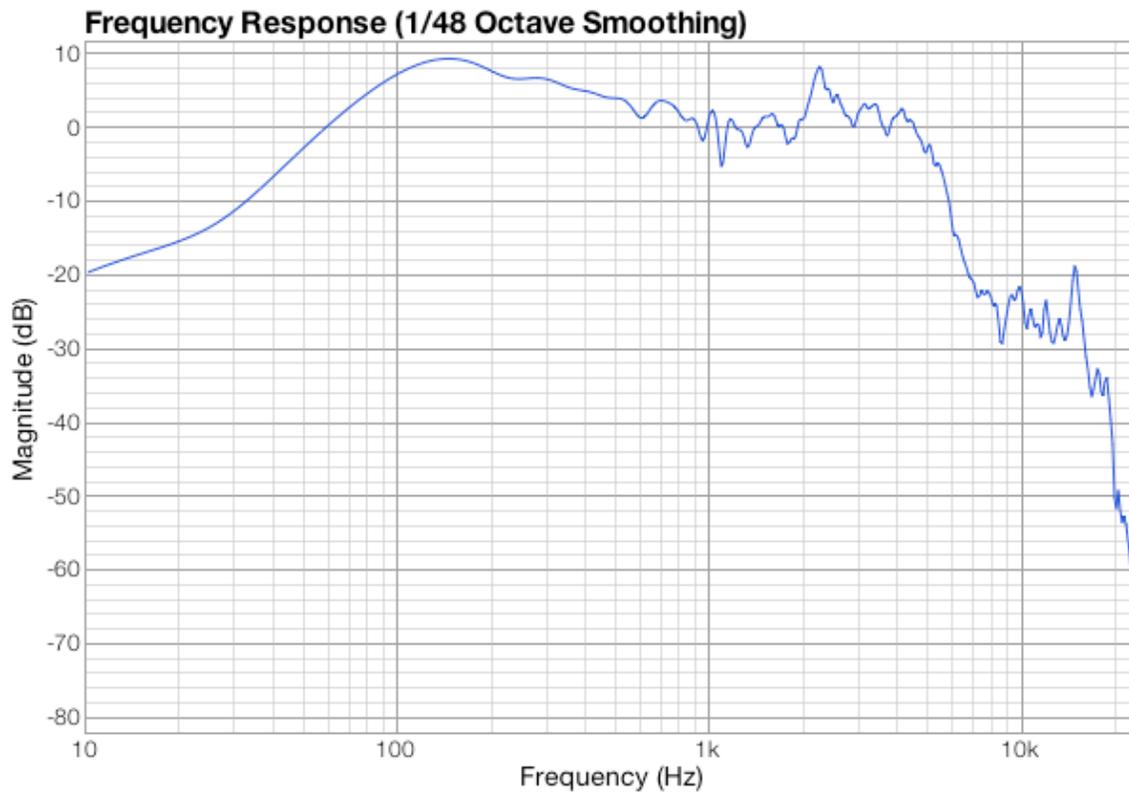**Based on: Marshall with 4x12 low-power 20 Watt Greenbacks.**

4x12 25W
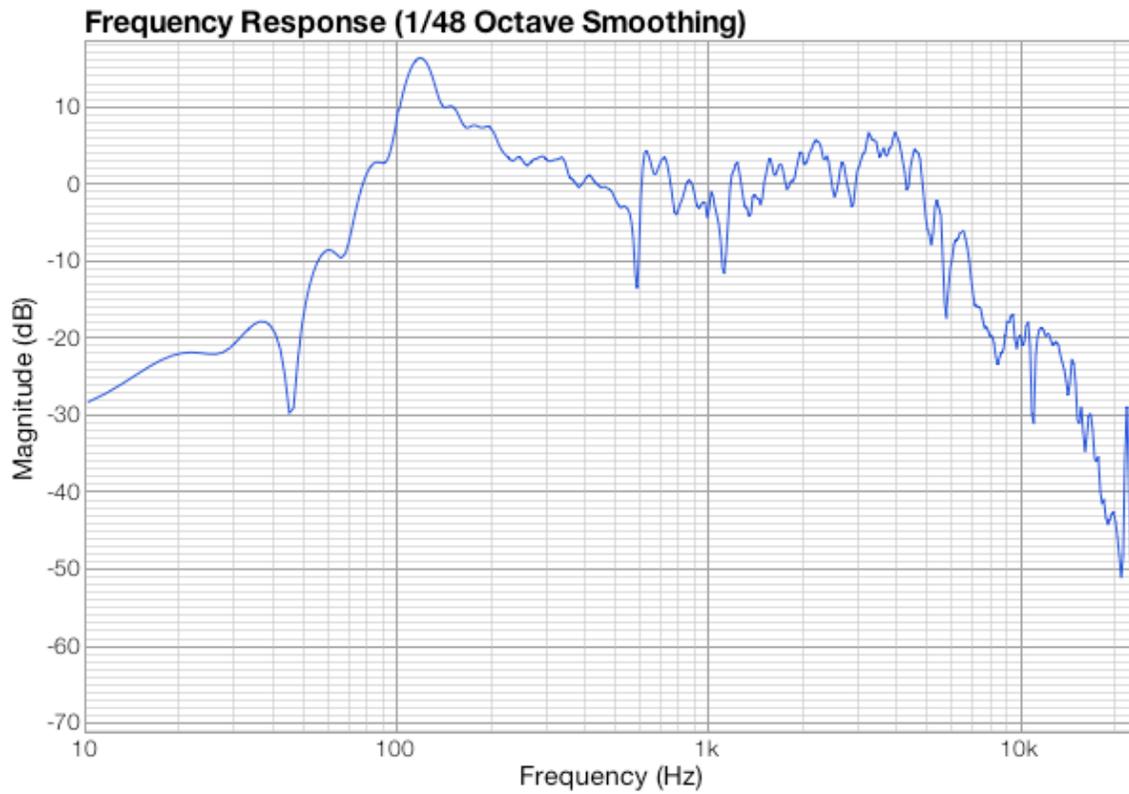**Based on: Marshall with 4x12 25 Watt Greenbacks, 1970's.**

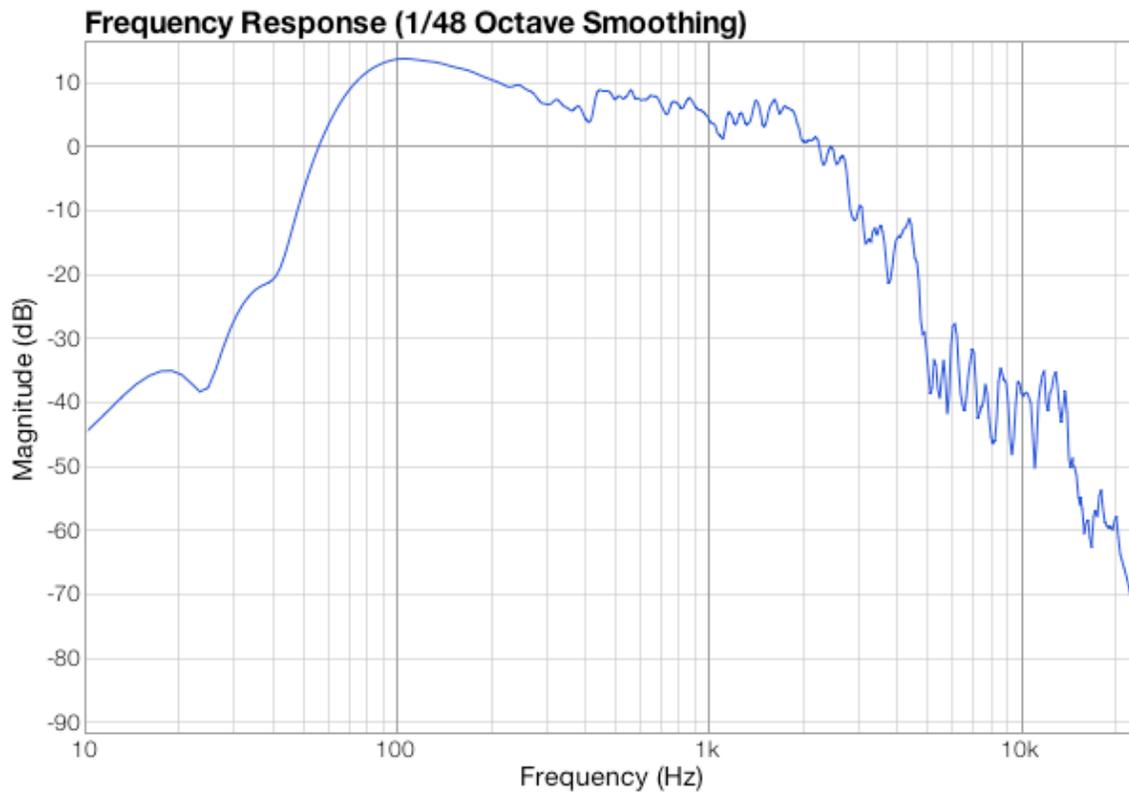**4x12 V30**
Based on: generic 4x12 with Celestion V30 speakers.

Frequency Response (1/48 Octave Smoothing)

4x12 German
Based on: Bogner 4x12.
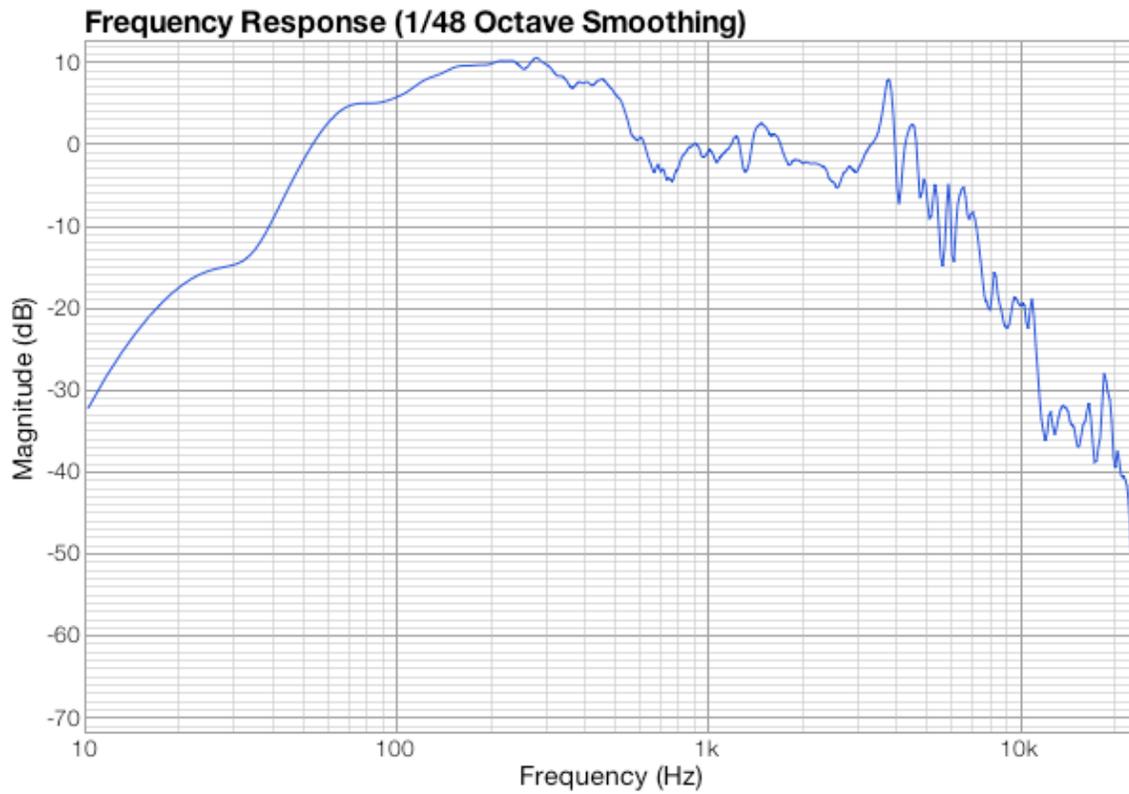
Frequency Response (1/48 Octave Smoothing)

4x12 30W ULTRA
Based on: "4x12 V30 ULTRA" which is a cab from the original Axe−Fx.
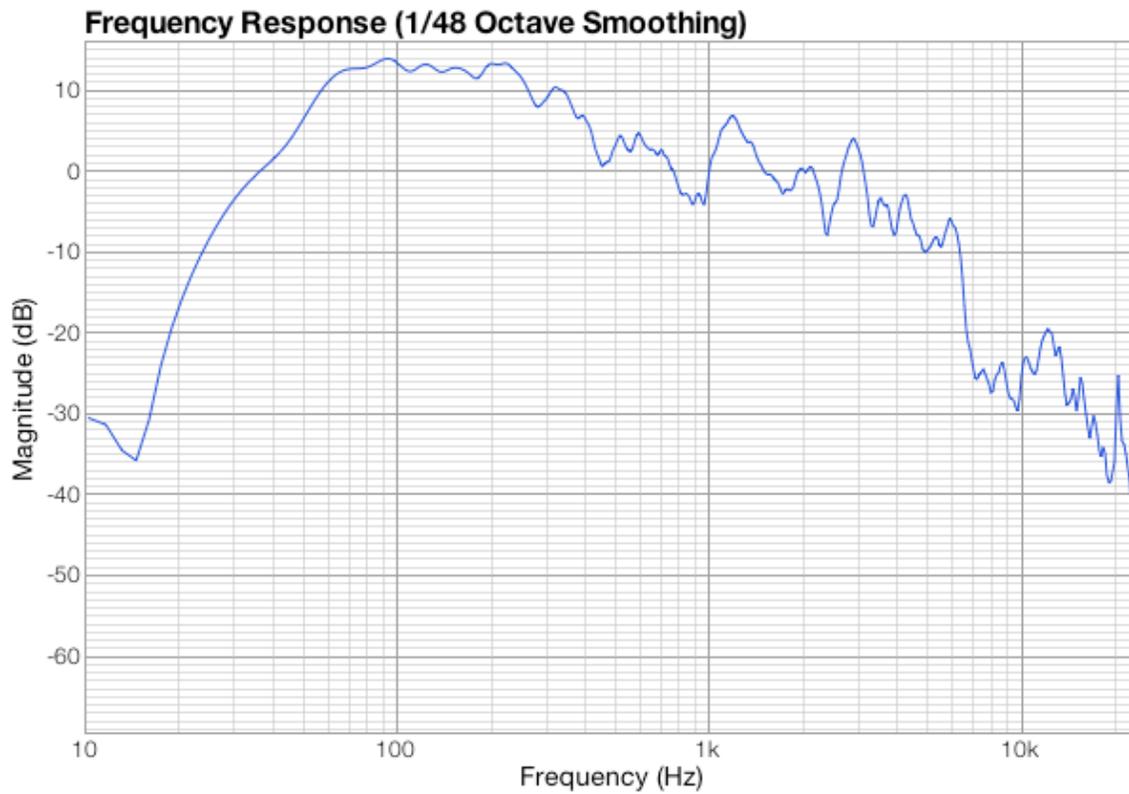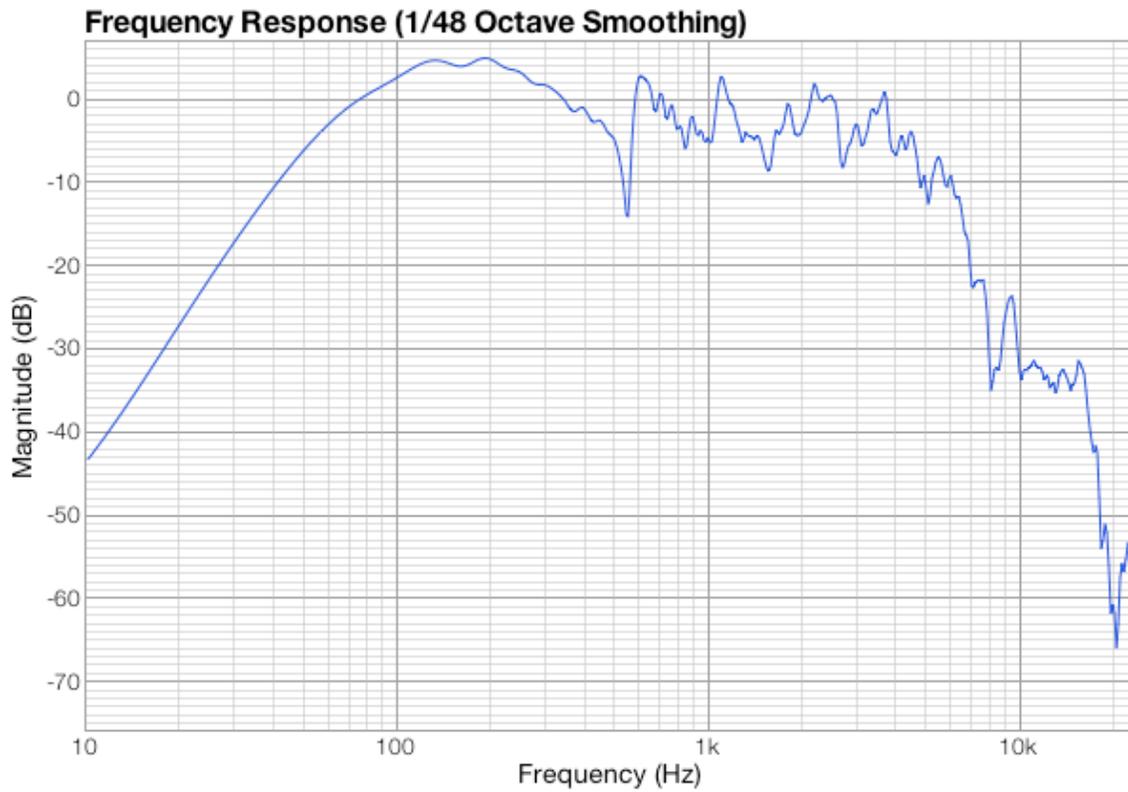
4x12 Cali
Based on: Mesa Boogie traditional 4x12.

1x15 L.A. Bass
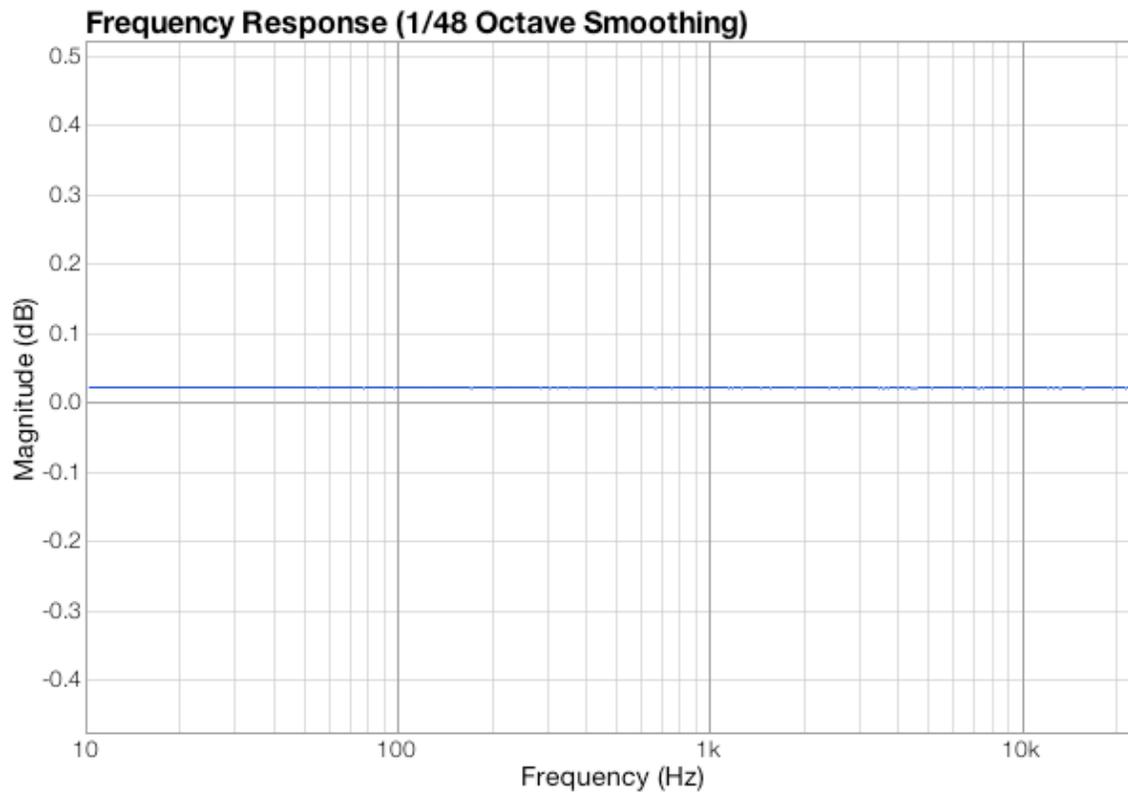**Based on: SWR 1x15 bass amp cabinet.**

4x10 Aluminum Bass
Based on: Hartke 4x10" bass cabinet with aluminum drivers.

8x10 SV Bass RW
Based on: Ampeg SVT−810 Bass cab with stock SVT 10" speakers.

4x12 METAL
Original Cab 64 prior to Firmware 5.05
Based on: Engl 4x12 captured by Jocke Skog of the band Clawfinger.

Digital I/O with SPDIF