



ENGINEERING STANDARD	DATE EFFECTIVE MAY 4, 1981	NUMBER EST 1232
ENGINEERING DESIGN SPECIFICATION	DATE REVISED SEE CHANGE BLOCK	PAGE 1 of 4

MODEL NO. 4355

Acoustic and Electrical Parameters

Maximum Input Power: 300 W (Low Frequency)
150 W (High Frequency) with controls @
0dB setting

Rated Impedance: 4 ohms (Low Frequency)
8 ohms (High Frequency)

Minimum Impedance: 5 ohms

Impedance Curve:
See curve, page 2 & 3

Frequency Response (-6 dB): 28 Hz to 20 kHz

Sine Wave, on Axis:
See curve, page 2, 3 & 4

Sensitivity: 96 dB, 1W @ 1 m (Low Frequency)
99 dB, 1 W @ 1 m (High Frequency)

Crossover Frequencies: 290 Hz (external, low level)
1.2 kHz, 10 kHz

Physical Specifications

Enclosure Volume: 9.5 cubic feet

Enclosure Dimension: 35 1/2 x 48 1/8 x 20 in.

System Components

Bass Transducer (2) 2235H

Mid Bass Transducer (1) 2202H

High Frequency Transducer (1) 2441

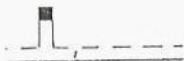
Ultra High Frequency Transducer (1) 2405

Crossover Network 3155

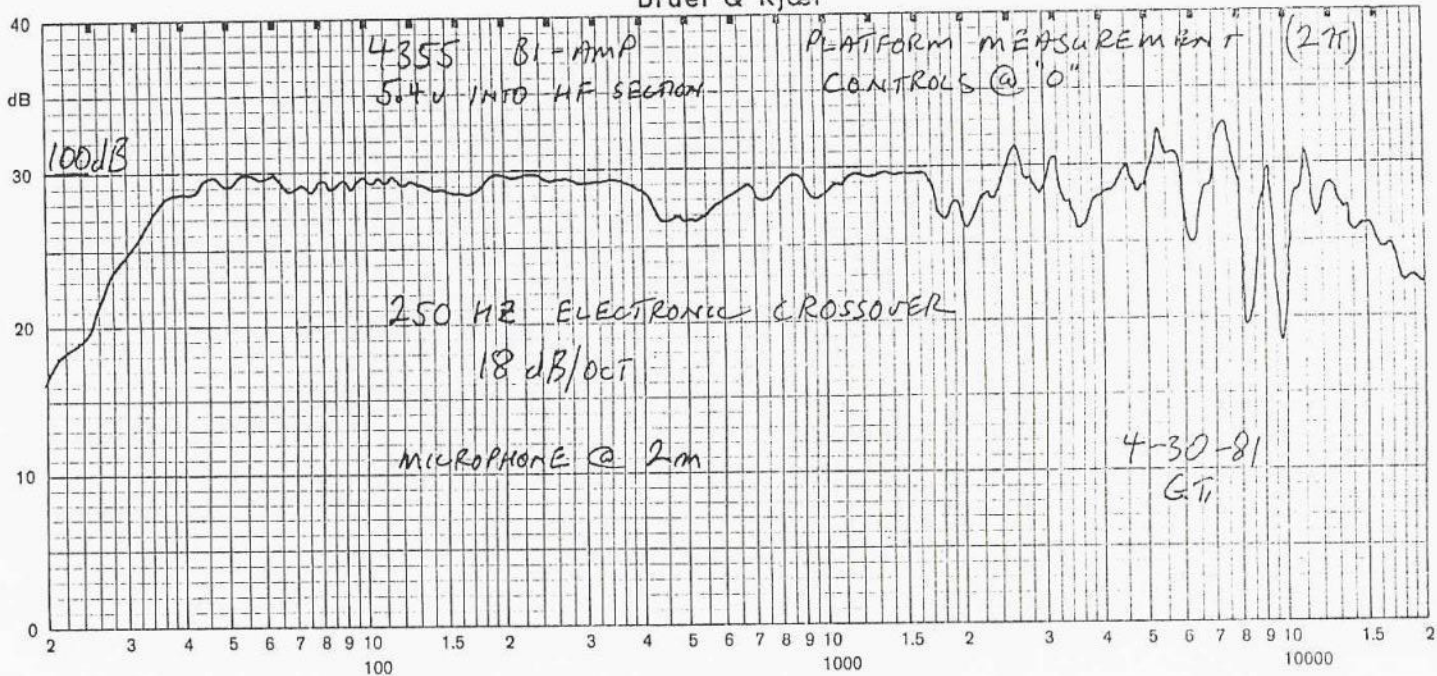
DESIGN ENGINEER *Greg Timbers*
Greg Timbers

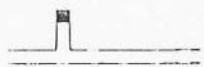
CHANGE

373F "A"

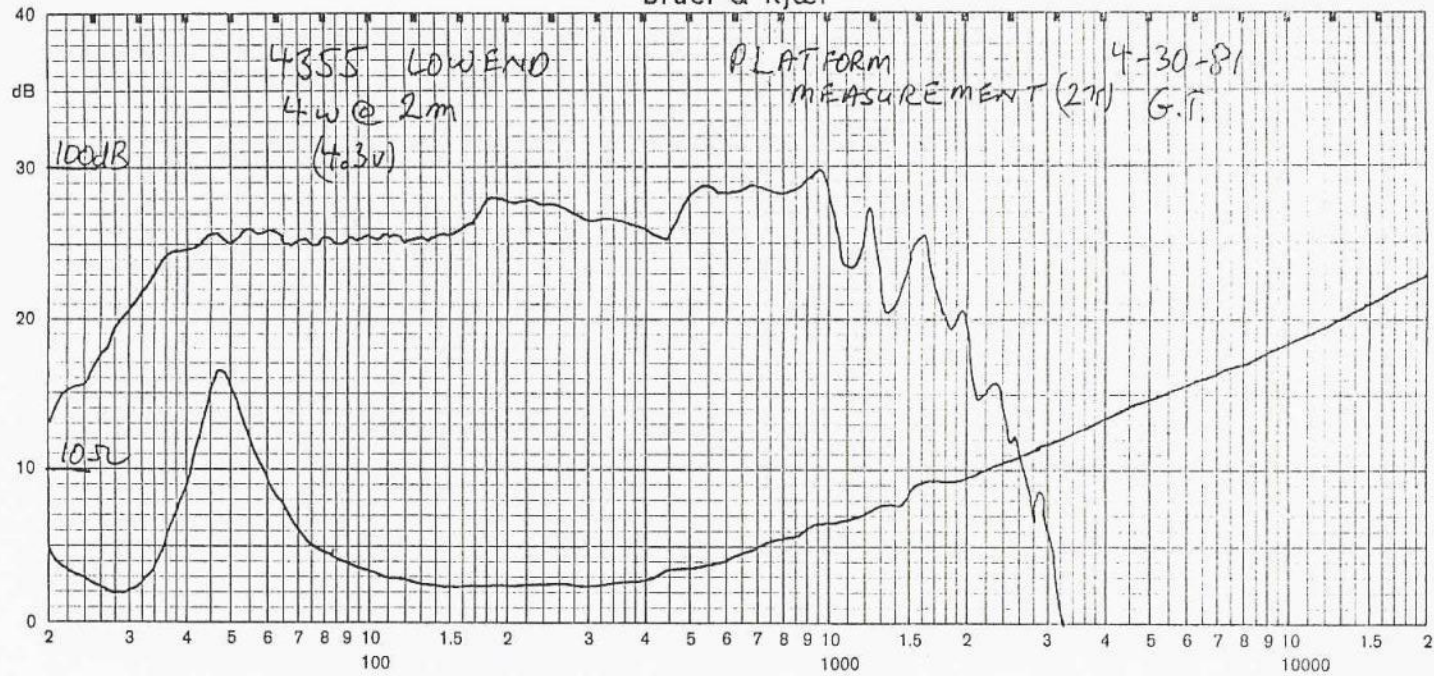


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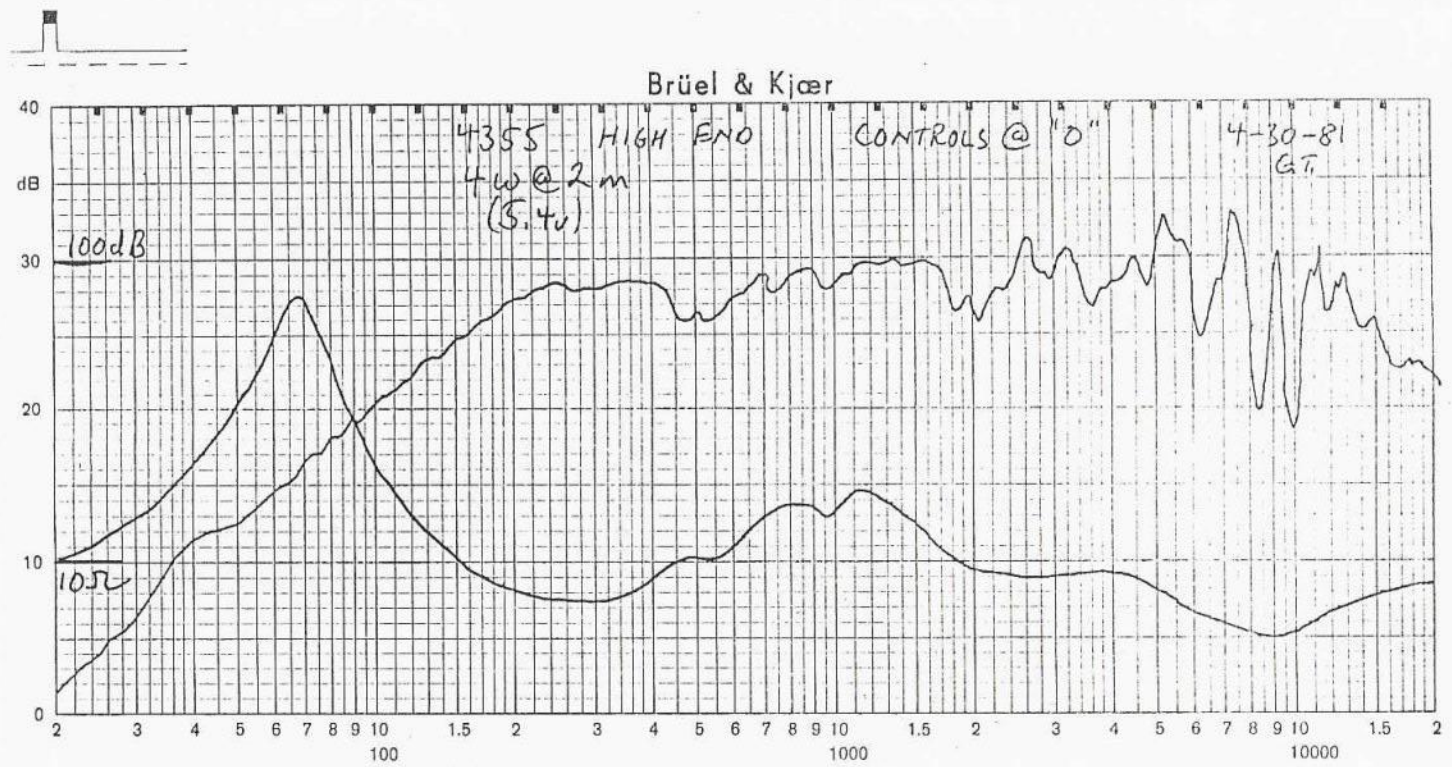




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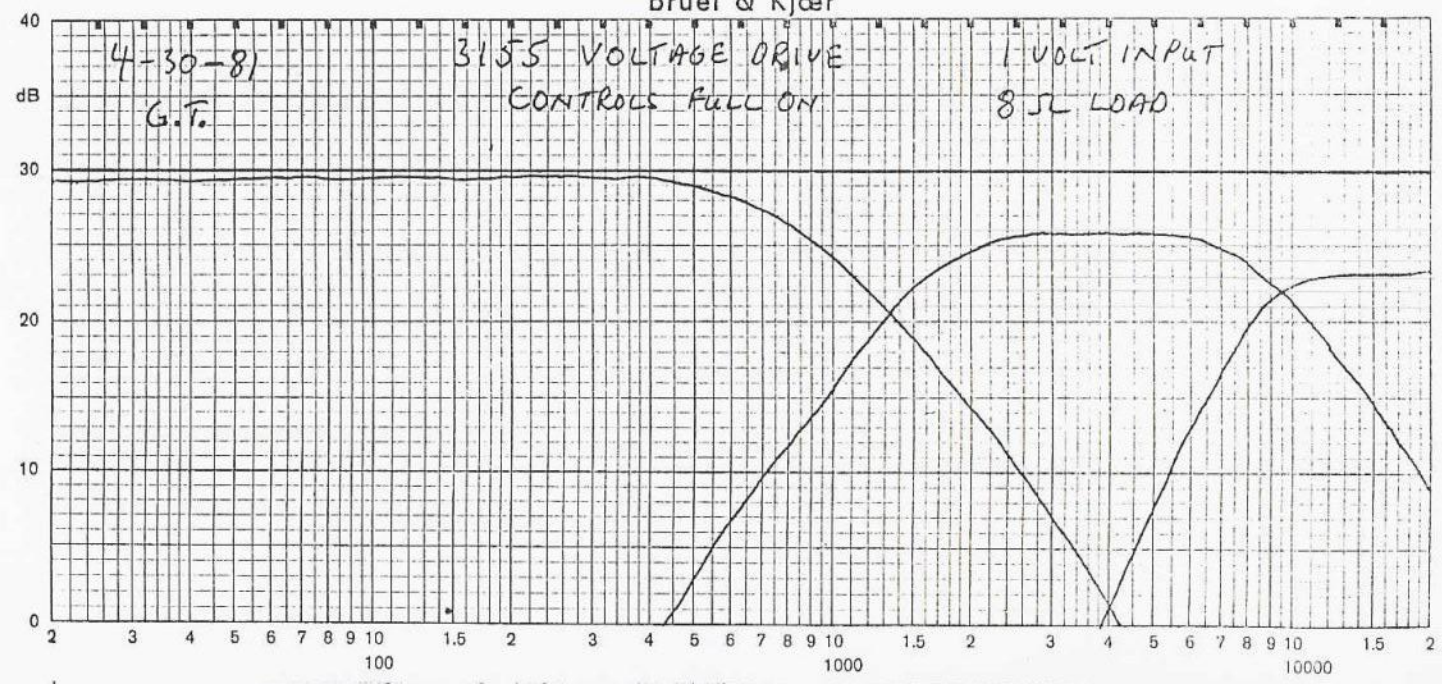
MODEL NO. 3155
3-WAY PASSIVE CROSSOVER

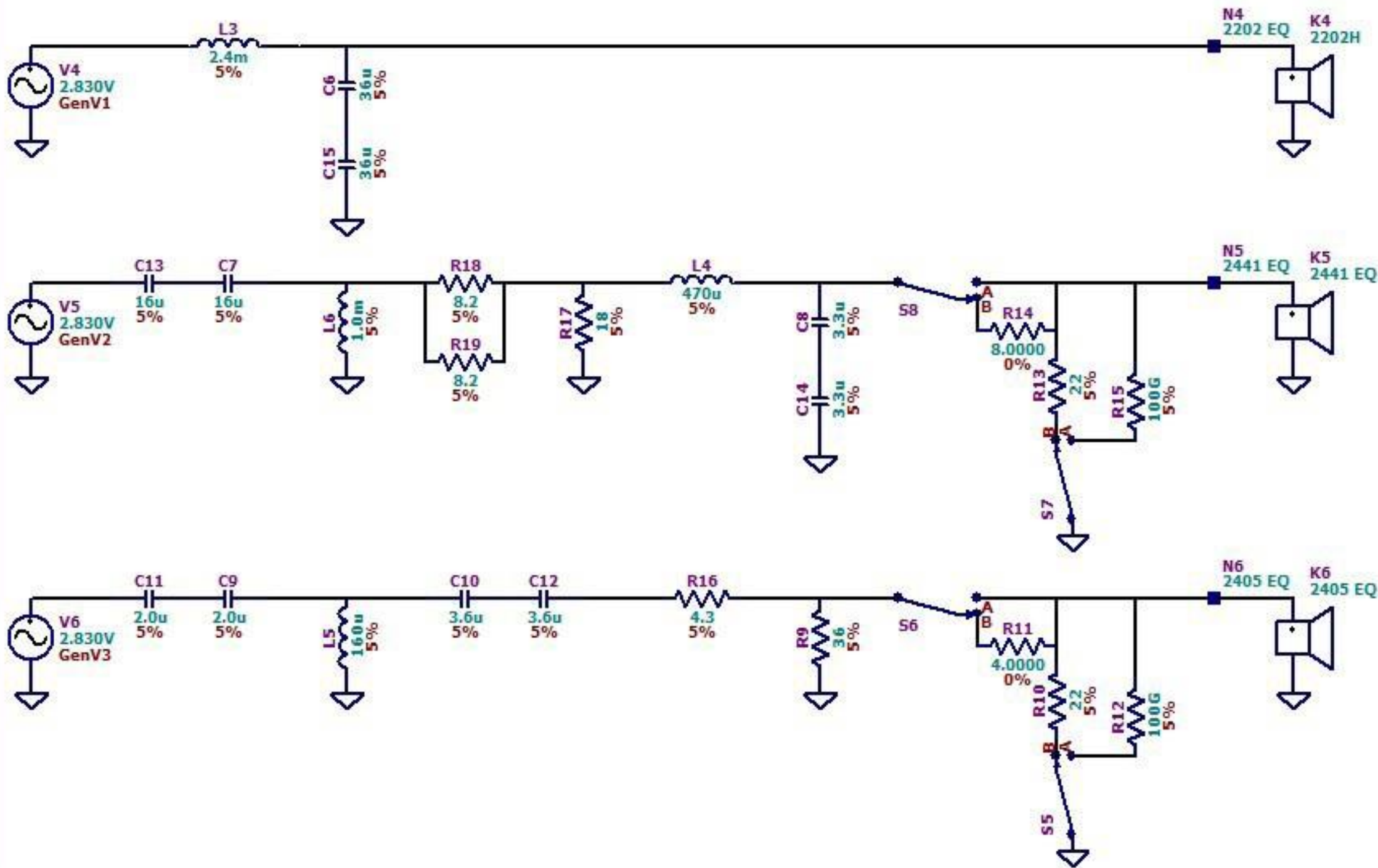
Crossover Frequencies: 1200 Hz, 10 kHz
 Crossover Slopes: LF - Straight through
 MF - 12 dB/oct
 HF - 12 dB/oct
 UHF - 24 dB/oct
 Voltage Drive: See curve, page 1

DESIGN ENGINEER Greg Timbers
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Notes

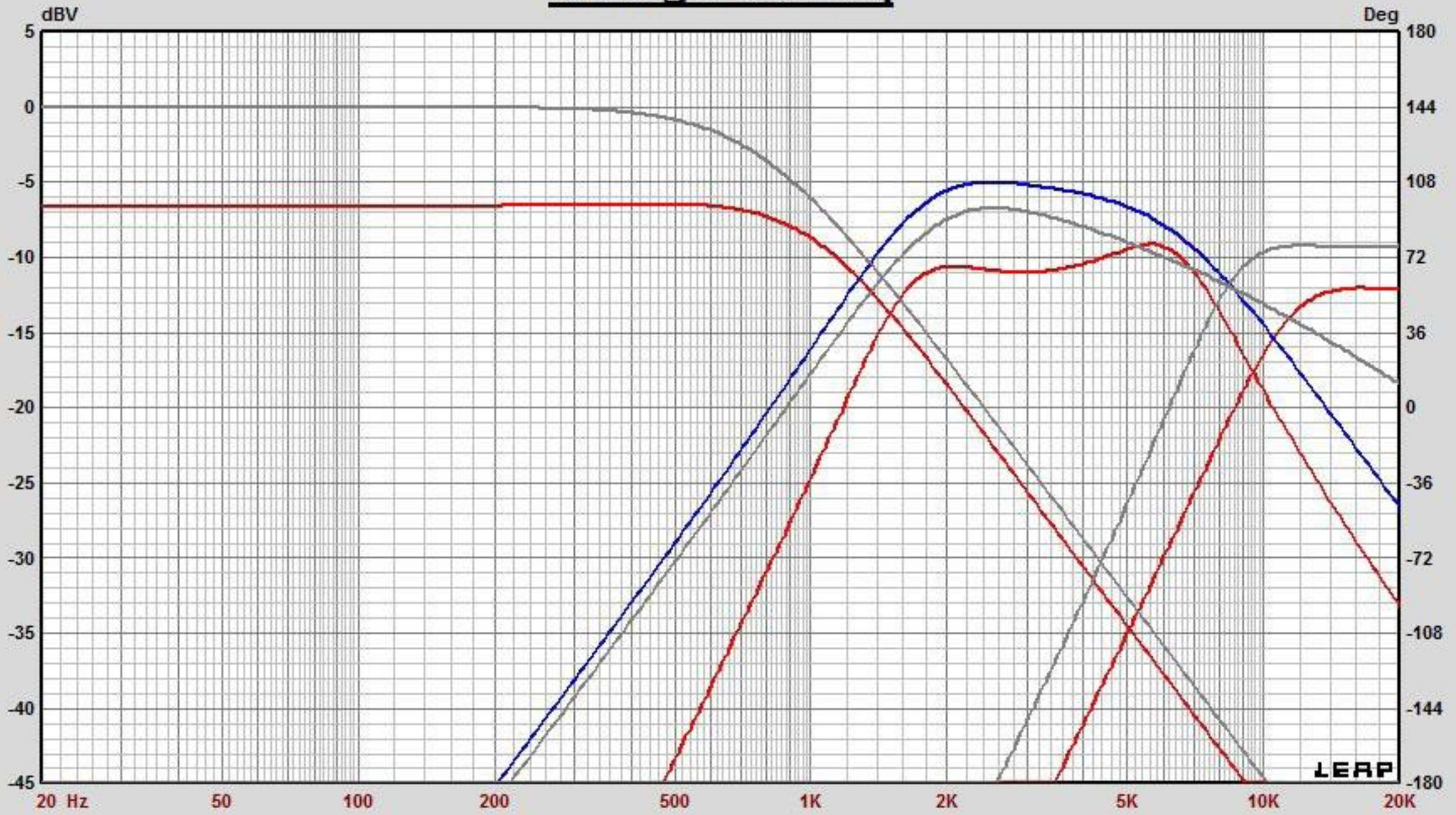
Equivalent Network for JBL Model 4355

No Tapped Autotransformers

Capacitor Pairs Are Biased With 3 Megohm Resistors And A 9V Battery

Final Revision - June 2010

Voltage vs Freq



Map

- 5: VoltTF 2122H 0481
- 6: VoltTF 2421B 0481
- 7: VoltTF 2405H 0481
- 8: VoltTF 2202 0981
- 9: VoltTF 2441 0981
- 10: VoltTF 2405 0981
- 11: VoltTF 2202 0581
- 12: VoltTF 2441 0581
- 13: VoltTF 2405 0581

Notes

8 ohm dummy loads for the 2122, 2202, 2405
 16 ohm dummy loads for the 2421, 2441
 Red is 4345 network, Gray is "early" 4355 network
 Blue is "late" 4355 network