



ENGINEERING STANDARD	DATE EFFECTIVE MARCH 11, 1981	NUMBER EST 1226
ENGINEERING DESIGN SPECIFICATION	DATE REVISED	PAGE 1 of 3

MODEL 4345 SYSTEM

Acoustic and Electrical Specifications

Maximum Input Power
Internal Crossover: 120 W with level controls @ 0dB setting

External Crossover: 200 W (Low Frequency)
100 W (High Frequency) with level controls @ 0dB setting

Rated Impedance: 8 ohms

Minimum Impedance: 4.5 ohms

Impedance Curve
See attached curves, pages 2 & 3

Frequency Response (-6dB): 32 Hz to 20 kHz
Sine Wave, on-axis (see attached curves, page 2 & 3)

Sensitivity: 95 dB, 1 W @ 1 m

Crossover Frequencies:
Internal Crossover: 320 Hz, 1300 Hz, 10 kHz

External Crossover: 290 Hz (18 dB/oct), 1300 Hz, 10 kHz

Physical Specifications

Enclosure Volume: 9.0 cubic feet

Midrange Chamber: .5 cubic feet

Enclosure Dimensions: ~~28~~" W x ~~30~~" H x ~~16~~" D
30 1/8" 43 7/8"

System Components

Cabinet C4345 (left & right)

Grille G4345

Bass Transducer 2245H

Midrange Transducer 2122H

High Frequency Driver 2421B

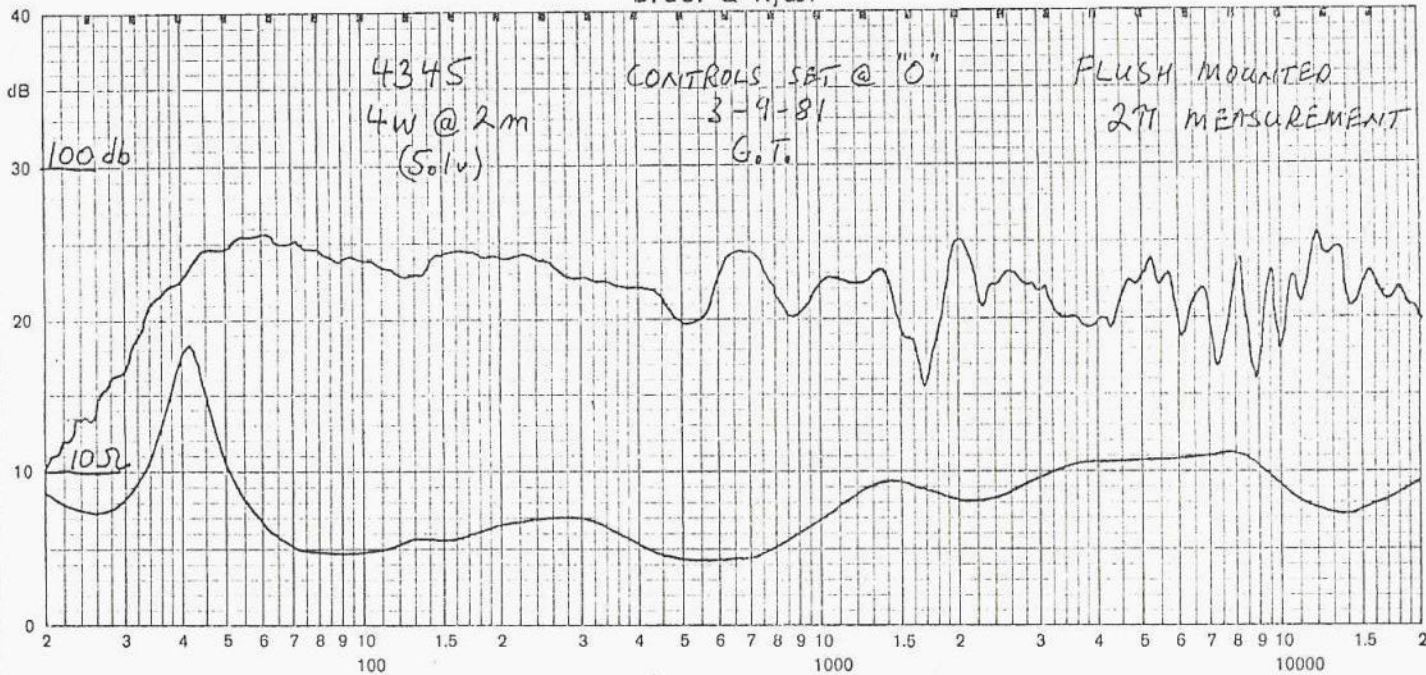
High Frequency Horn-Lens 2307, 2308

Ultra High Frequency Driver 2405

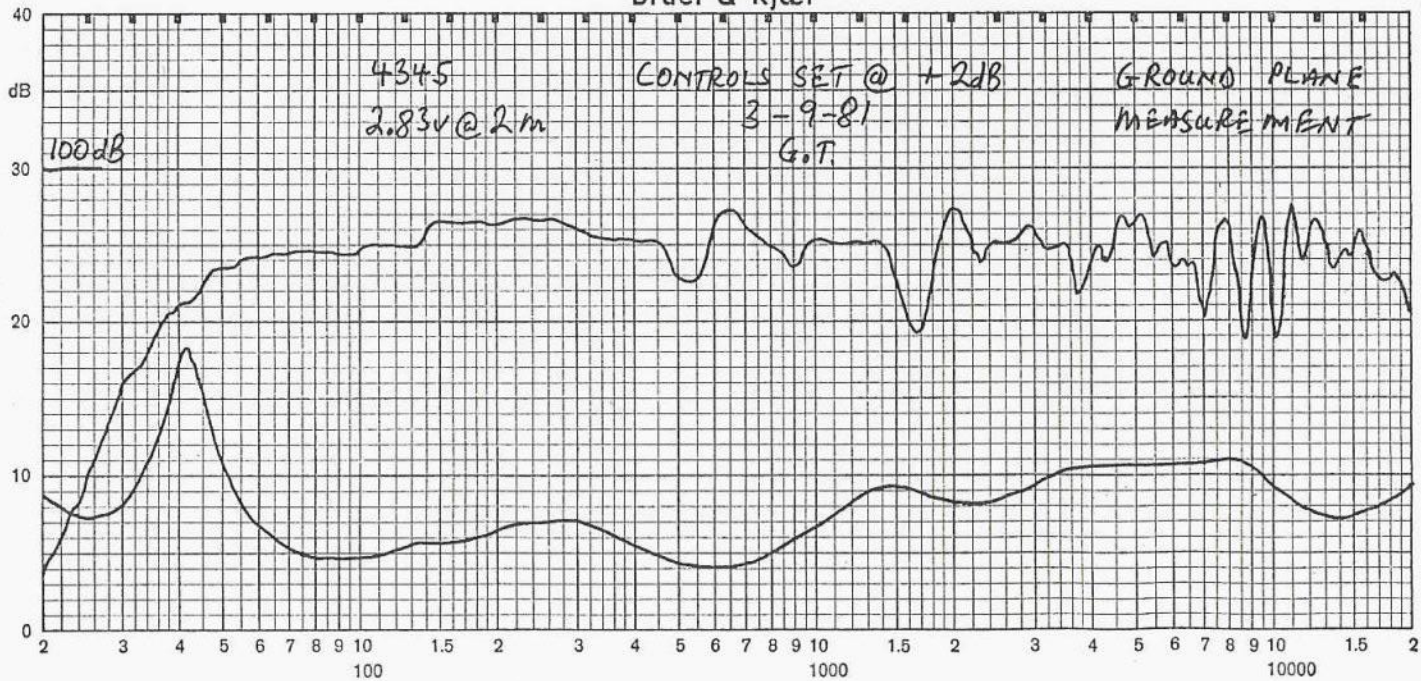
Crossover Network 3145

Design Engineer Greg Timbers
Greg Timbers

Brüel & Kjær



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<p>DATE REVISED</p>		<p>PAGE 3 OF 3</p>

MODEL 3145

4-WAY PASSIVE CROSSOVER

Crossover Frequencies: 320 Hz, 1300 Hz, 10 kHz

Crossover Slopes: LF - 12 dB/oct
MF - 12 dB/oct
HF - 12 dB/oct
UHF - 24 dB/oct

Voltage Drive: See curves, pages 1 and 2

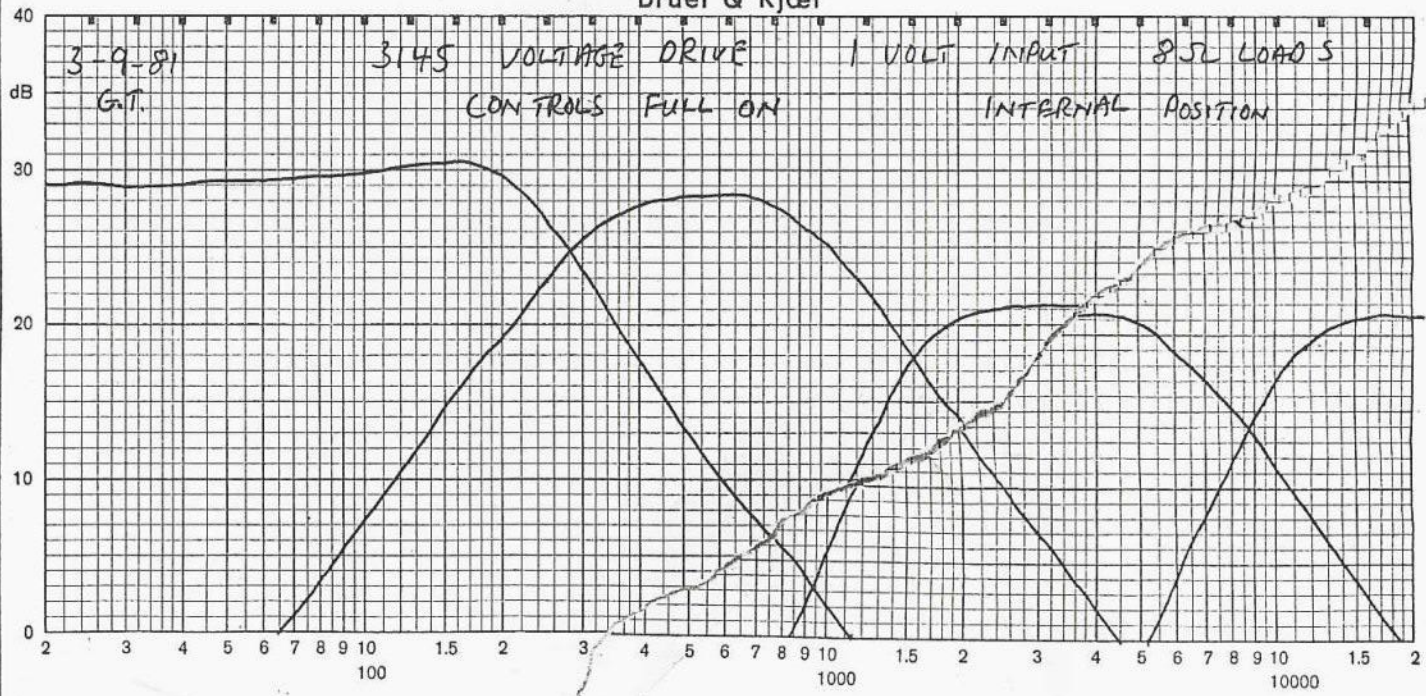
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JBL

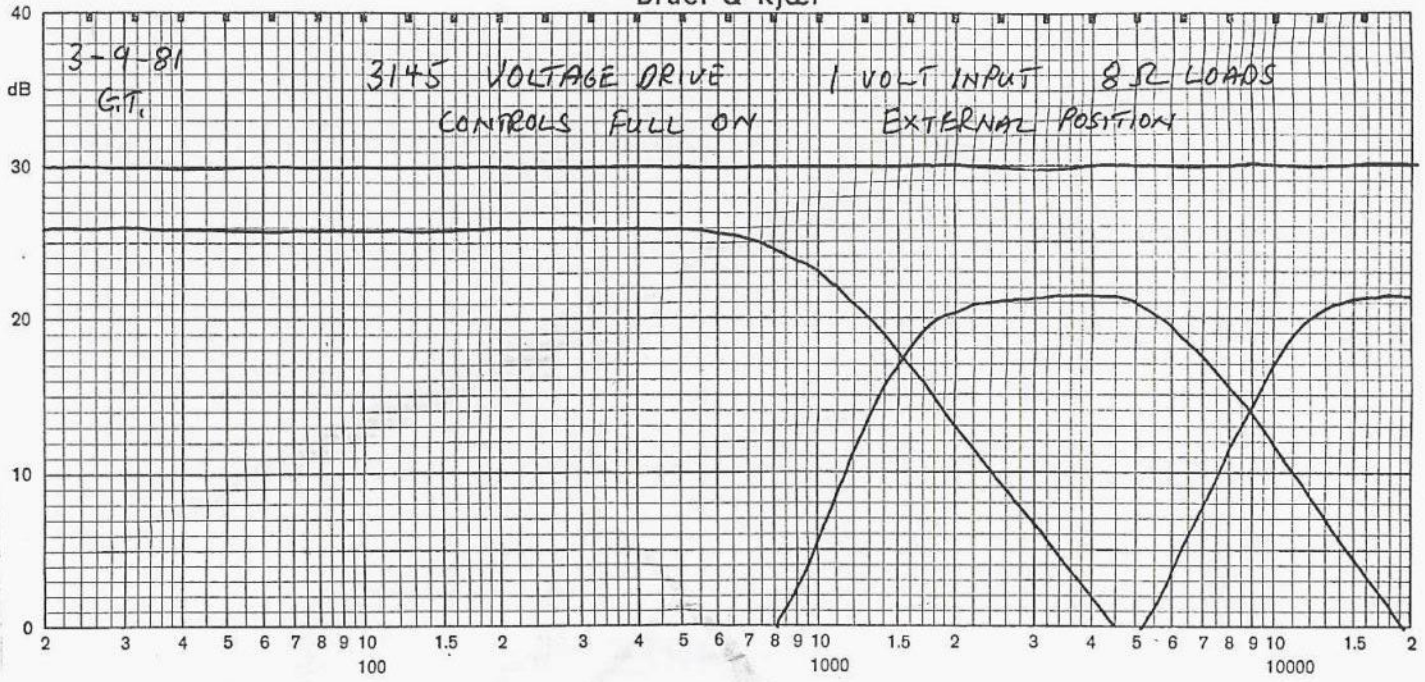
ENGINEERING DESIGN SPECIFICATION	ENGINEERING STANDARD	DATE EFFECTIVE	NUMBER
	MARCH 11, 1981	EST 1225	1 OF 2

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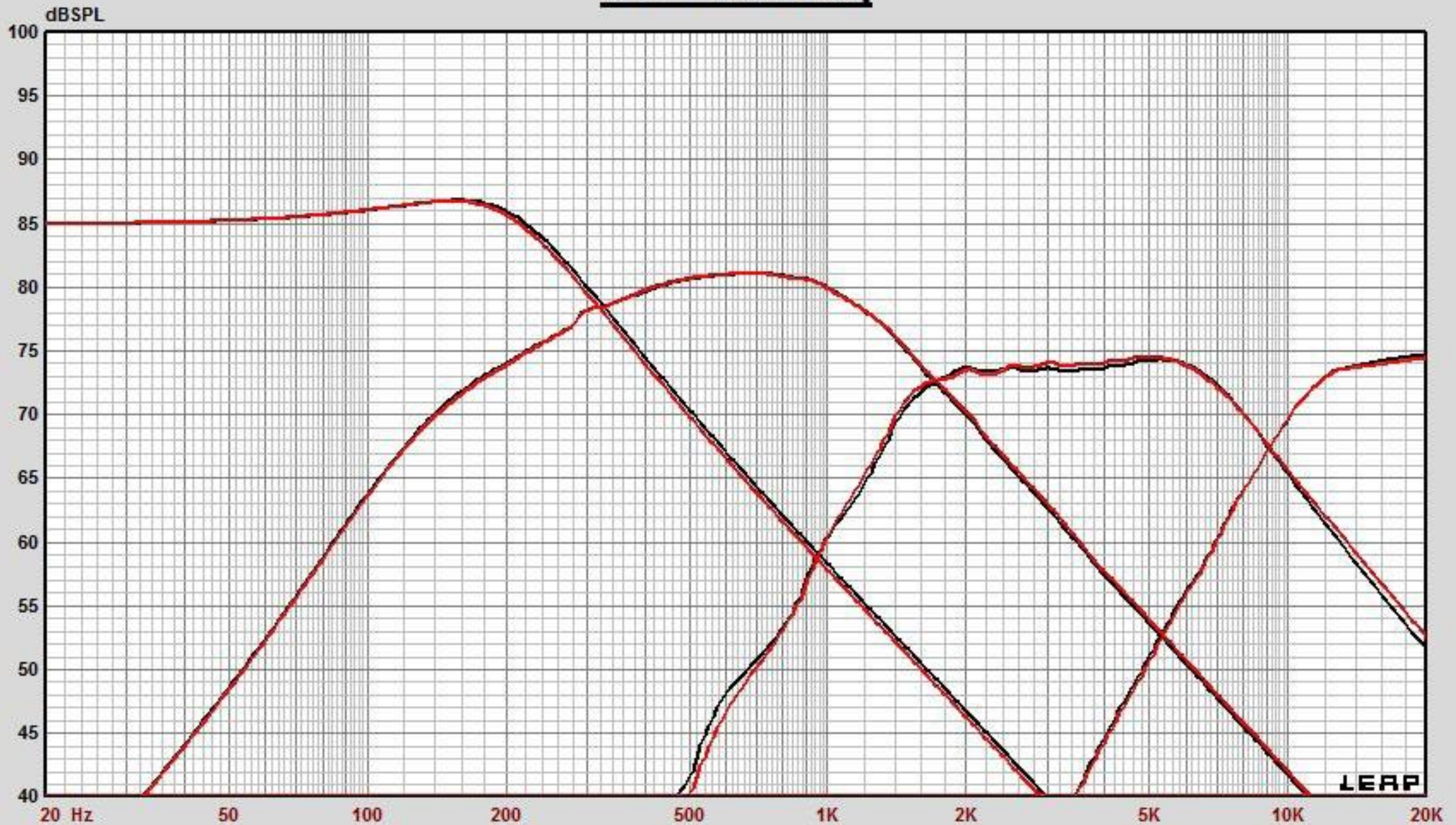


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SPL vs Freq



Map

- | | | |
|--------------------------|-----------------------------|-----------------------------|
| — 14: SPL@1M,0H,0V 2245H | — 17: SPL@1M,0H,0V 2405H | — 20: SPL@1M,0H,0V 2421B EQ |
| — 15: SPL@1M,0H,0V 2122H | — 18: SPL@1M,0H,0V 2245H EQ | — 21: SPL@1M,0H,0V 2405H EQ |
| — 16: SPL@1M,0H,0V 2421B | — 19: SPL@1M,0H,0V 2122H EQ | |

Notes

Equivalent Network for JBL Model 4344 / 4345

No Tapped Autotransformers

Capacitor Pairs are biased with a 3M resistor and a 9V battery

Final Revision - June 2010
