

<b>JBL Engineering</b>	<b>Engineering Standard</b>	<b>Date Effective 11/3/00</b>	<b>Number 1794</b>
	<b>Engineering Design Specification</b>		<b>Page 1 of 4</b>

**Model: 2435H**

Frequency Response	See attached curves, page 2
High Frequency Response:	See attached curves, page 2
Impedance	See attached curves, page 3
Distortion:	See attached curves, page 3
Additional Parameters:	See attached table, page 4
Voice Coil:	
DC Resistance:	4.0 ohms +/- 10%
Wire:	Aluminum Ribbon
Size:	0.285mm x 0.125mm bare wire dimensions
Configuration:	19 +/- 1 turn edgewound
Coil Size:	3.000" ID 0.117" high
Flux Density:	1.95 Tesla
Coupling Factor (BL)	8.0 N/A
Compression Ratio:	8.5
Diaphragm Material:	0.0016" Beryllium foil
Power test:	50 Watts (17.1V pink noise 1khz-10khz)
Polarity:	Positive voltage to Black terminal gives positive pressure output
Weight:	2.7 lbs

REVISIONS

LTR	DESCRIPTION	DATE	APPR
A	INITIAL RELEASE	11/3/00	<i>AUS</i>

**Design Engineer**

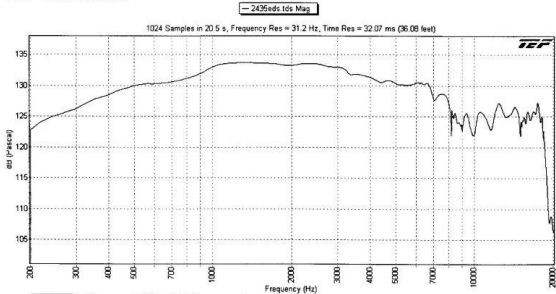
Doug Button

Engineering  
Standard

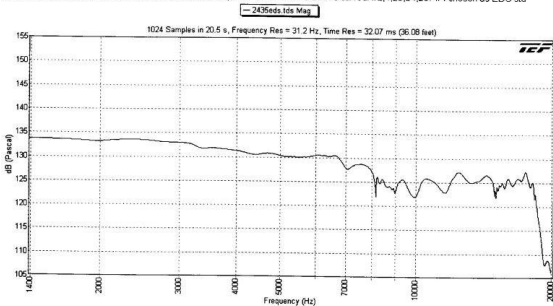
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Model 2435H

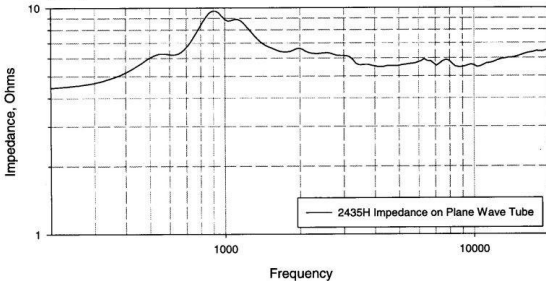
2435 Beryll 1V on 2" tube, 4136mic cent, 0016mw/ps  
11/01/2000 16:34:58 JBL TEST LABORATORY NORTHRIDGE CA  
New line/sys stds chosen oct 21 00 due to 2-3dB hotter prod near 1kHz. 5 BMA's curved: #2,4,23,24,28. #4 chosen as EDS std  
Cursor = 122.8 dB at 200.0 Hz



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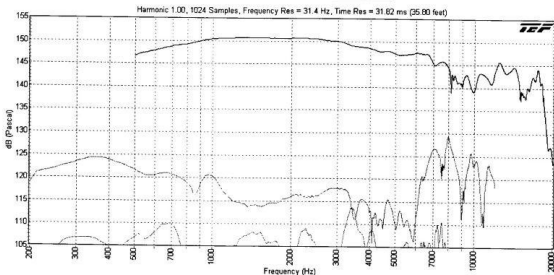


Model: 2435H



2435 Beryl 7.8V = 10w on 2" tube, 4136mic cent  
 11/01/2000 16.45.57 JBL TEST LABORATORY NORTHRIDGE CA  
 3rd harmonic near 1kHz 5 BMA's curved #2,4,23,24,28. #4 chosen as EDS std  
 Cursor = 83.1 dB at 200.0 Hz

— 2435edstf fds Mag — 2435e02 hbr Mag — 2435e03 hbr Mag



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**Driver parameters**

<b>Fs:</b>	<b>900 Hz</b>
<b>Re:</b>	<b>4.0 ohms</b>
<b>Ret:</b>	<b>3.96 ohms</b>
<b>Sd:</b>	<b>45.6 Sq cm</b>
<b>Xmax:</b>	<b>0.5 mm (before damage)*</b>
<b>BL:</b>	<b>8.0 N/A</b>
<b>Mmd:</b>	<b>1.1 g</b>
<b>No:</b>	<b>49.9 %</b>
<b>Mass Break Point:</b>	<b>4630 Hz</b>
<b>Zmin:</b>	<b>5.5 ohms</b>
<b>Pe</b>	<b>50 W into Zmin</b>

**\* diaphragm spacing from phase plug: 0.020" (0.5mm)**