JBL Engineering	Engineering Standard	Date Effective 7/29/02	Number 1865
	Engineering Design Specification		Page 1 of 4

Model: 2431H

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:	0.002" 5052 Aluminum
Power test:	40 Watts (14.0Vrms pink noise 1khz-10khz)
Polarity:	Positive voltage to Black terminal gives postive pressure ouput
Weight:	2.7 lbs
Notes:	A version of the 2430 with a narrower coil milling and flat surround for more extended HF response

REVISIONS

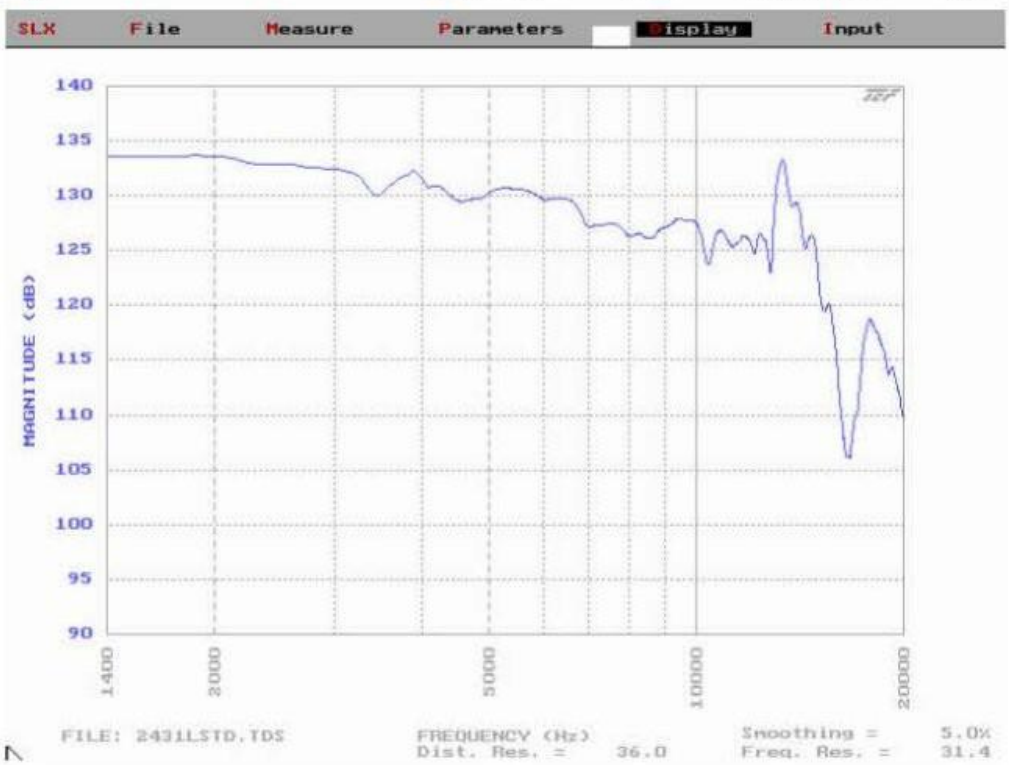
LTR	DESCRIPTION	DATE	APPR
A	INITIAL RELEASE	7/29/02	AVS

Design Engineer Alex Salvatti

Model **2431H**

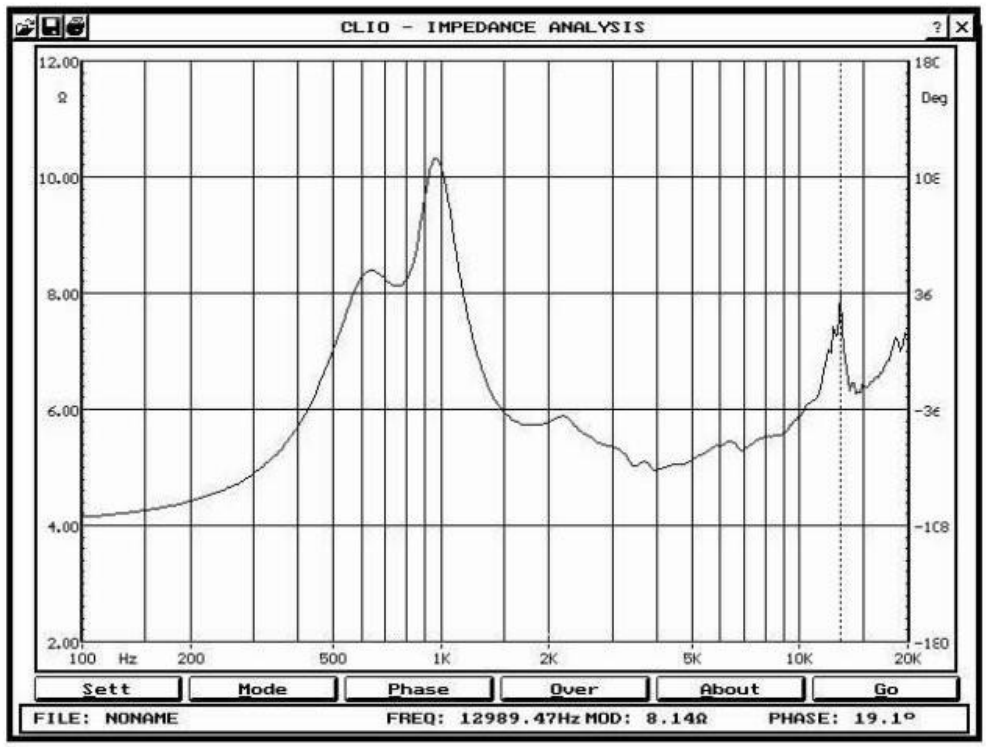
Frequency Response
2431 Line std #33
1.0V on 2" tube
using 1.5" adapter
B&K 4136 mic
200-20khz sweep in 20 sec
5% smoothing

High Frequency response
2431 Line std #33
1.0V on 2" tube
using 1.5" adapter
B&K 4136 mic
200-20khz sweep in 20 sec
5% smoothing



Model: **2431H**

Impedance on PWT



harmonic distortion
at 7.8Vrms
2nd (black) and 3rd (grey)
2431 Line std #33
1.0V on 2" tube
using 1.5" adapter
B&K 4136 mic
200-20khz sweep in 20 sec
5% smoothing

Model: **2431H**

Driver parameters

Fs:	**950**	Hz
Re:	**4.0**	ohms
Ret:	**3.96**	ohms
Sd:	**45.6**	Sq cm
Xmax:	**0.5**	mm (before damage)*
BL:	**8.0**	N/A
Mmd:	**1.6**	g
No:	**49.9**	%
Mass Break Point:	**3183**	Hz
Zmin:	**4.85**	ohms
Pe	**40**	W into Zmin

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