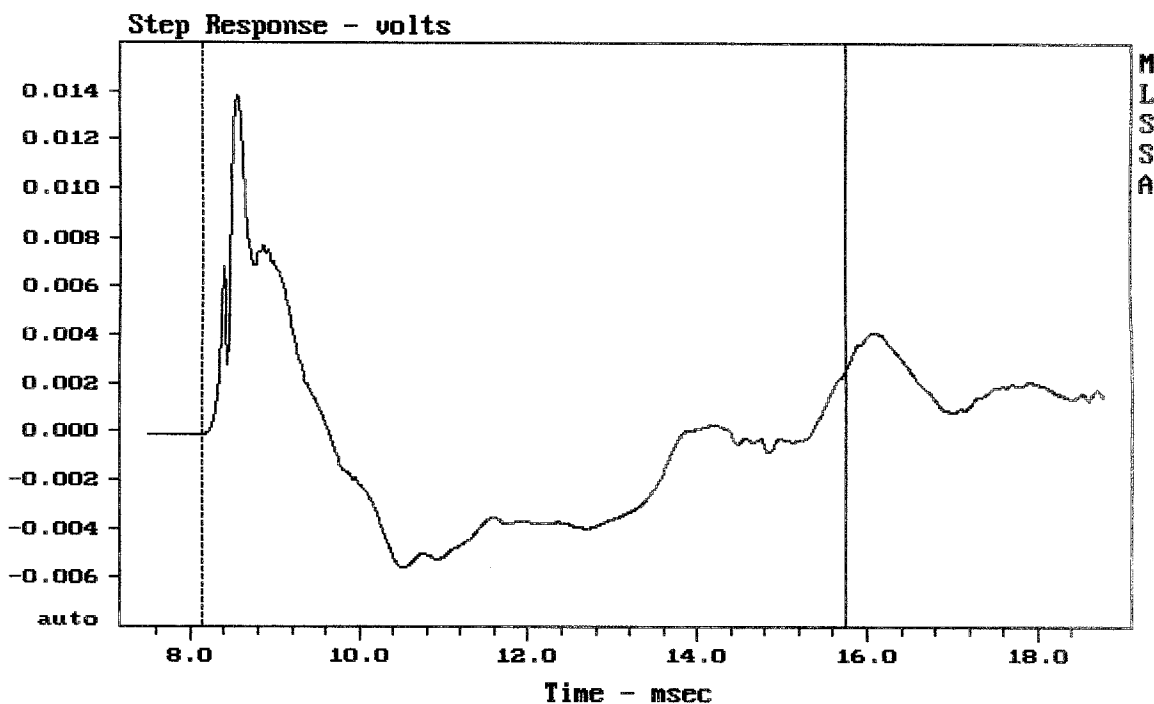


mean: 96.66, rms: 97.03, std: 2.27, max: 101.21, min: 86.44

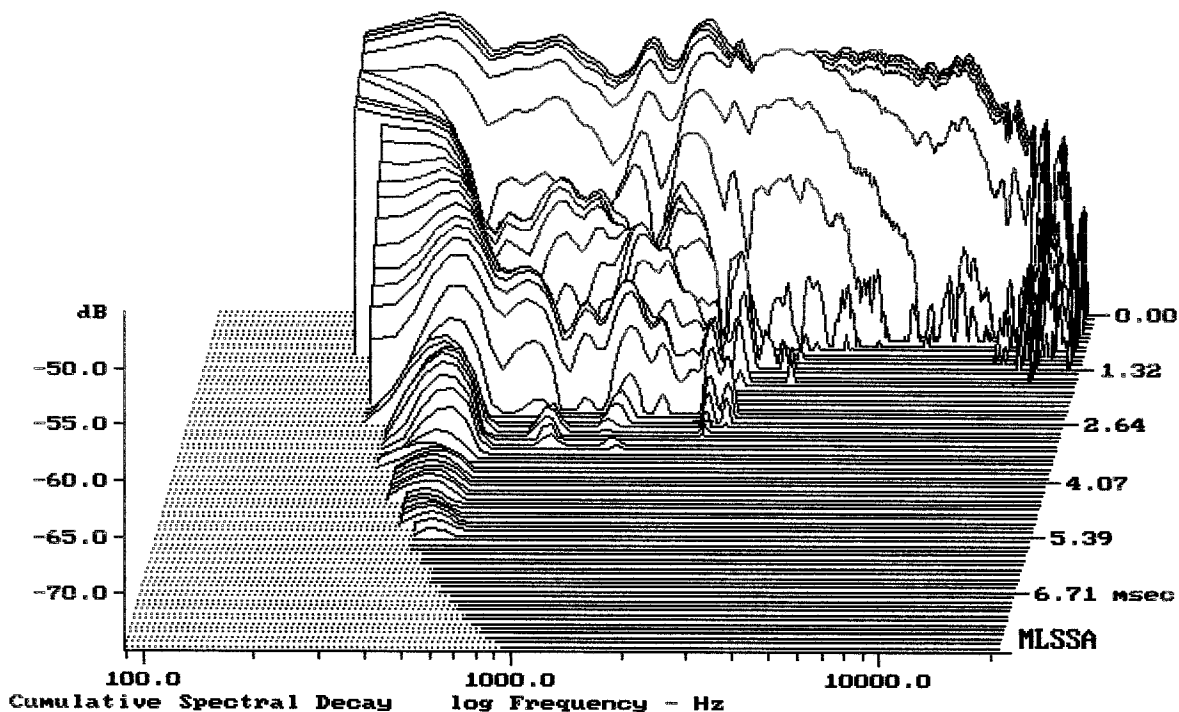
MACKIE THUMP 15A

MLSSA: Frequency Domain



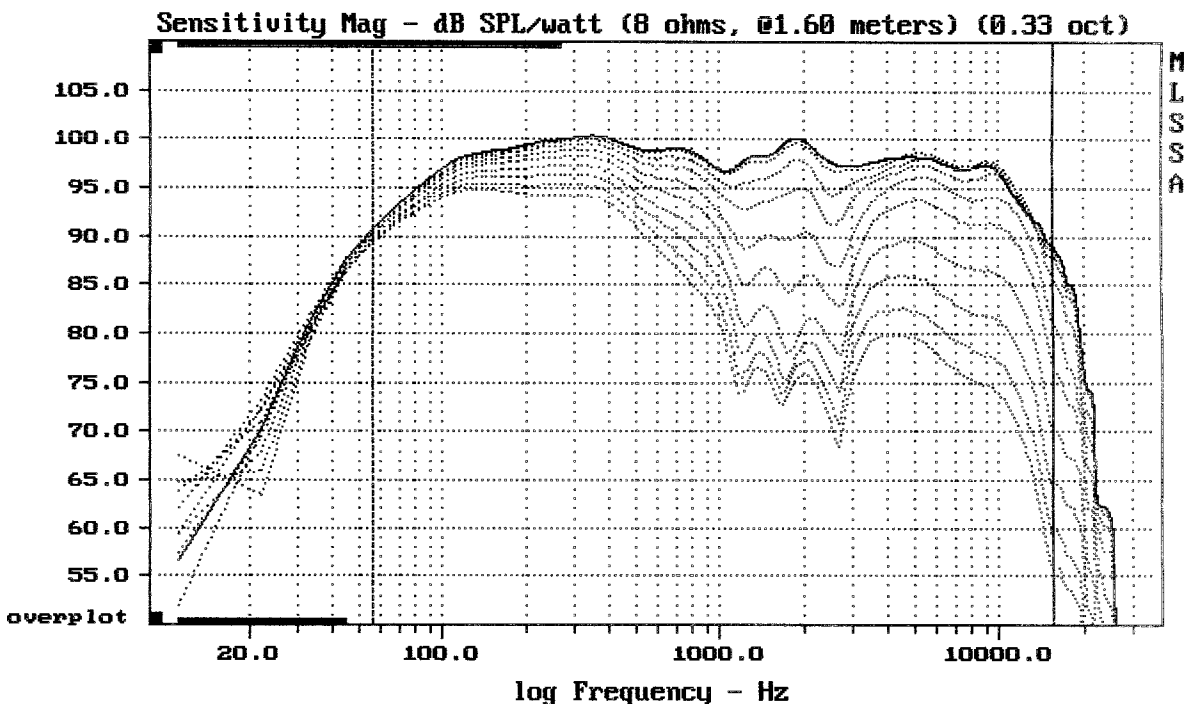
mean: -0.0009697, rms: 0.003945, std: 0.003824, max: 0.0138, min: -0.005619

MACKIE THUMP 15A



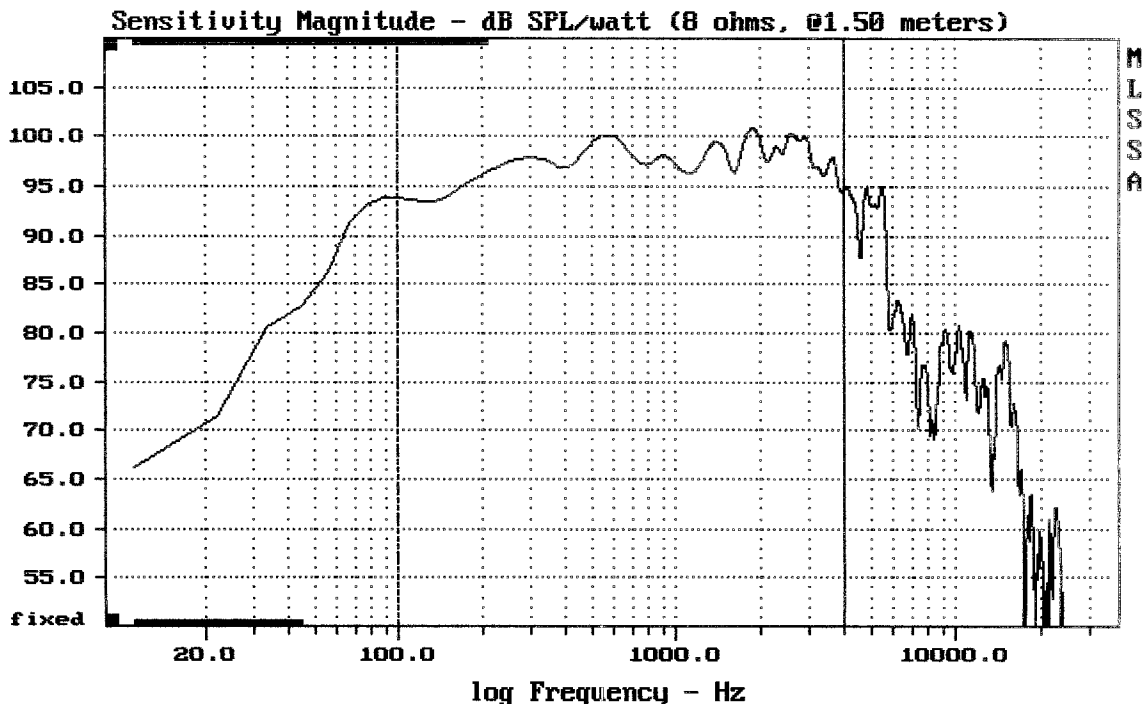
-74.08 dB, 2264 Hz (51), 2.860 msec (27)

DTTO



Overlay Compare: dev= +21/-11, std= 5.1, avg= -22

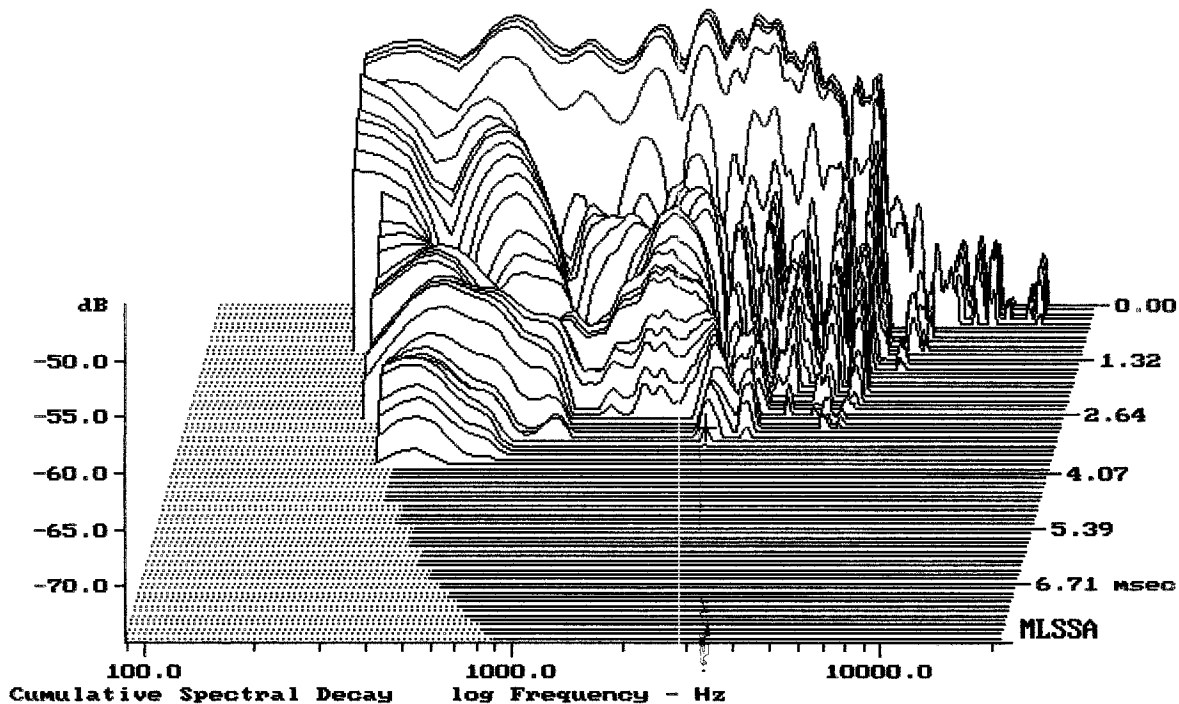
MACKIE THUMP 15A



Level (100:3995 Hz) = 97.67 dB SPL/watt (8 ohms, @1.50 meters)

15" MACKIE THUMP P/N 0013251 LC15-2501-2

MLSSA: Frequency Domain



-73.73 dB, 2353 Hz (53), 3.300 msec (31)

Measured Data

QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.43	Ohms
2	Fs	44.69	Hz
3	Re	5.45	Ohms[dc]
4	Res	44.50	Ohms
5	Qms	5.02	
6	Qes	0.62	
7	Qts	0.55	
8	L1	0.66	mH
9	L2	1.15	mH
10	R2	4.25	Ohms
11	RMSE-load	0.42	Ohms
12	Vas(Sd)	223.96	liters
13	Mms	54.75	grams
14	Cms	232	$\mu\text{M}/\text{Newton}$
15	Bl	11.67	Tesla-M
16	SPLref(Sd)	96.9	dB[Re]
17	Rub-index	0.14	

Method: Mass-loaded (80.00 grams)

Area (Sd): 829.58 sq cm

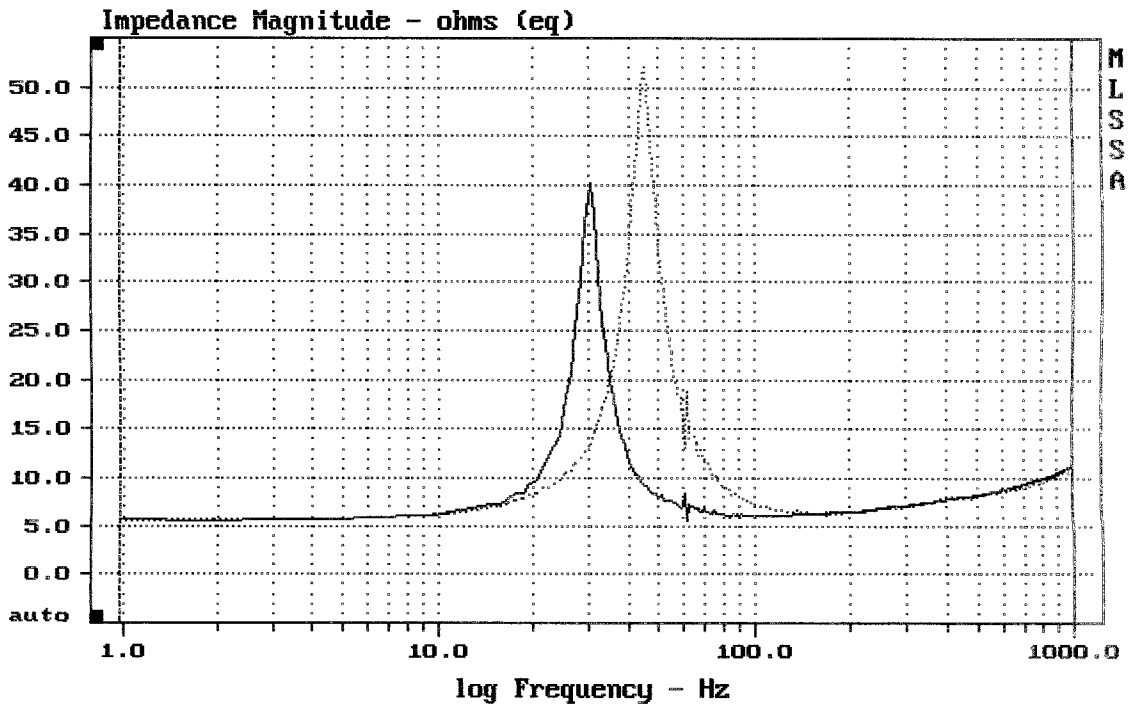
DCR mode: Measure (-0.14 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -32.2% (-20% to -50% is recommended).

15" FROM MACKIE THUMP P/N 0013251 LC15-2501-2

MLSSA: Parameters



mean: 9.071, rms: 10.03, std: 4.273, max: 52.13, min: 5.606

MLSSA: Frequency Domain