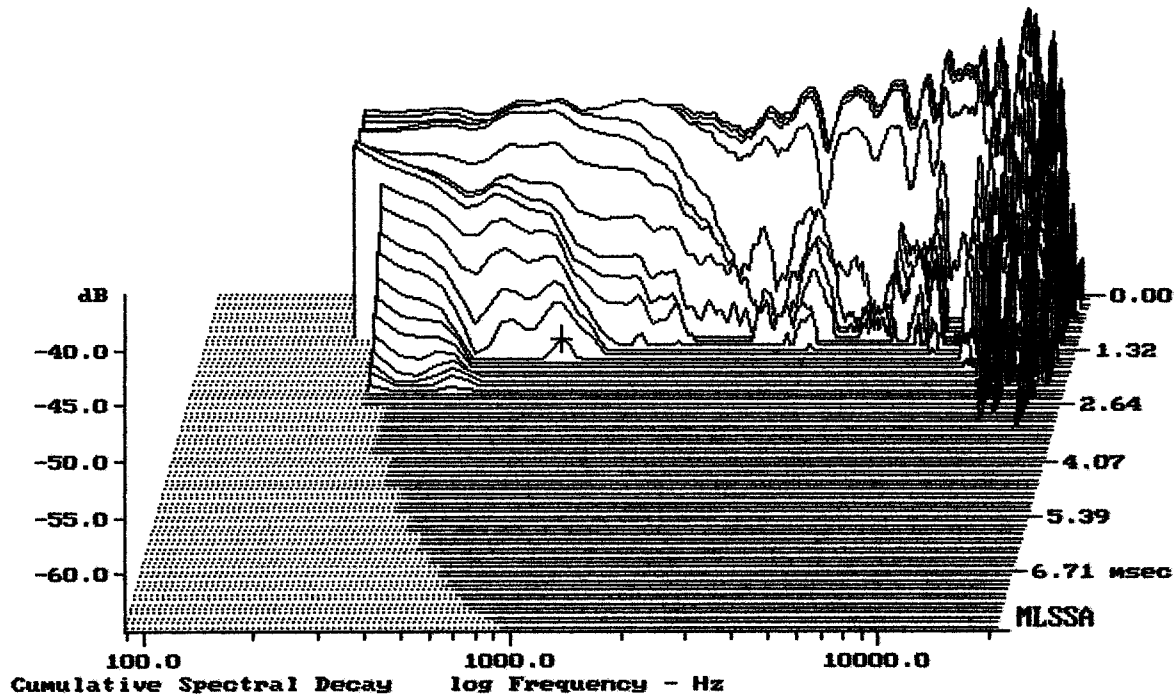


Level (78:18510 Hz) = 98.66 dB SPL/watt (4 ohms, @1.50 meters) (0.33 oct)

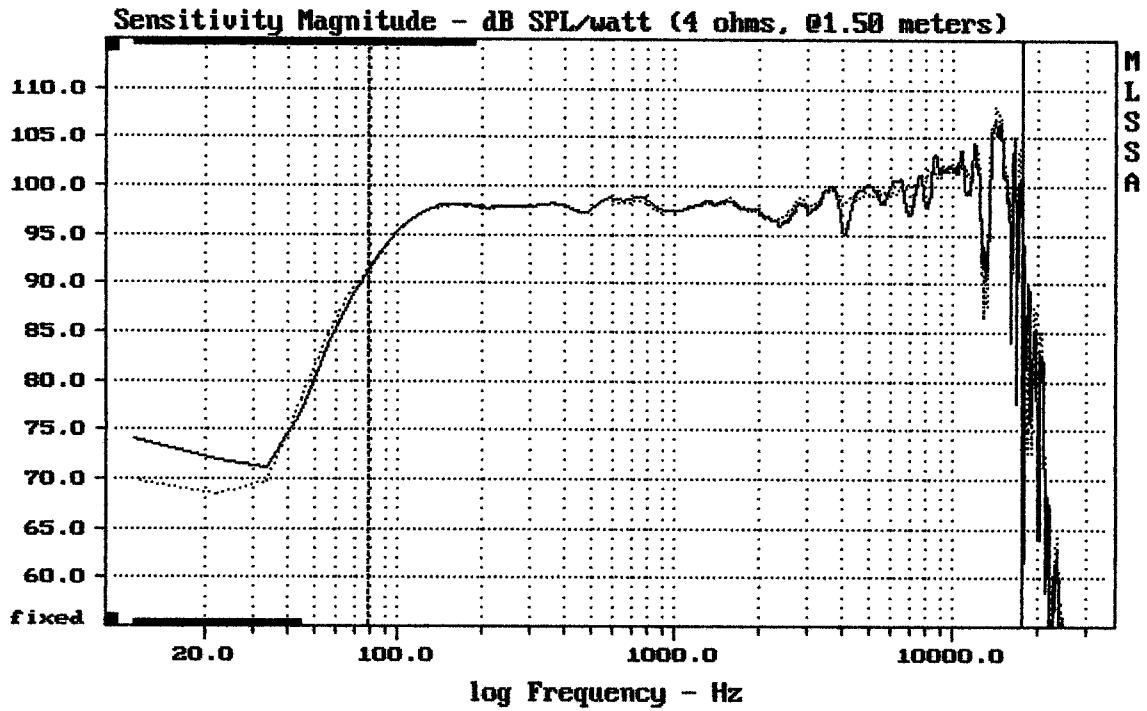
HD32-A

MLSSA: Frequency Domain



-63.24 dB, 843 Hz (19), 1.540 msec (15)

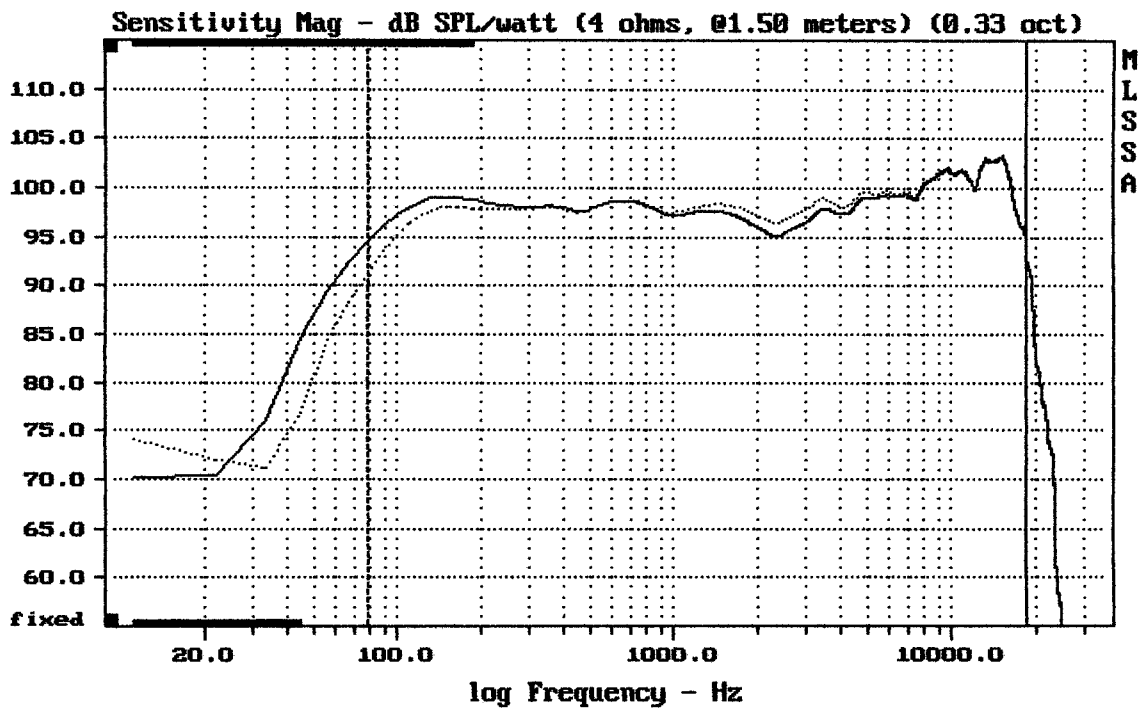
DT10



Overlay Compare: dev= +5.8/-4.9, std= 1.4, avg= -0.49

HD32-A GRILL

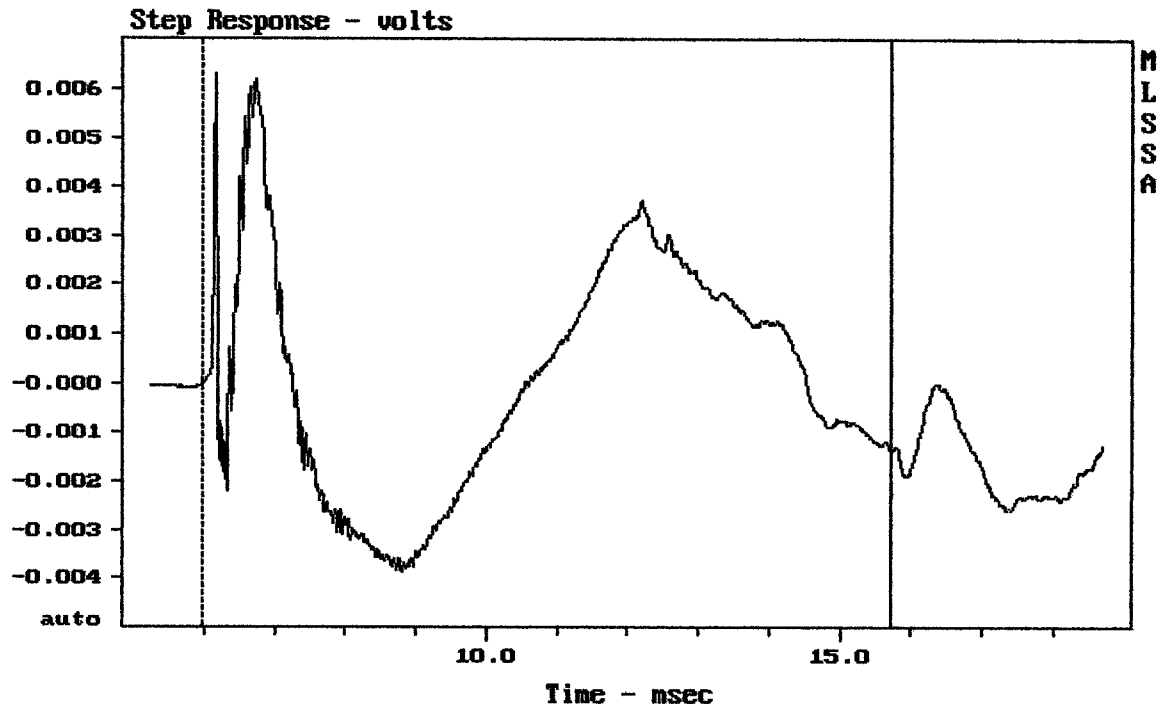
MLSSA: Frequency Domain



Overlay Compare: dev= +3.6/-1.1, std= 0.4, avg= -0.34

HD32-A

MLSSA: Frequency Domain



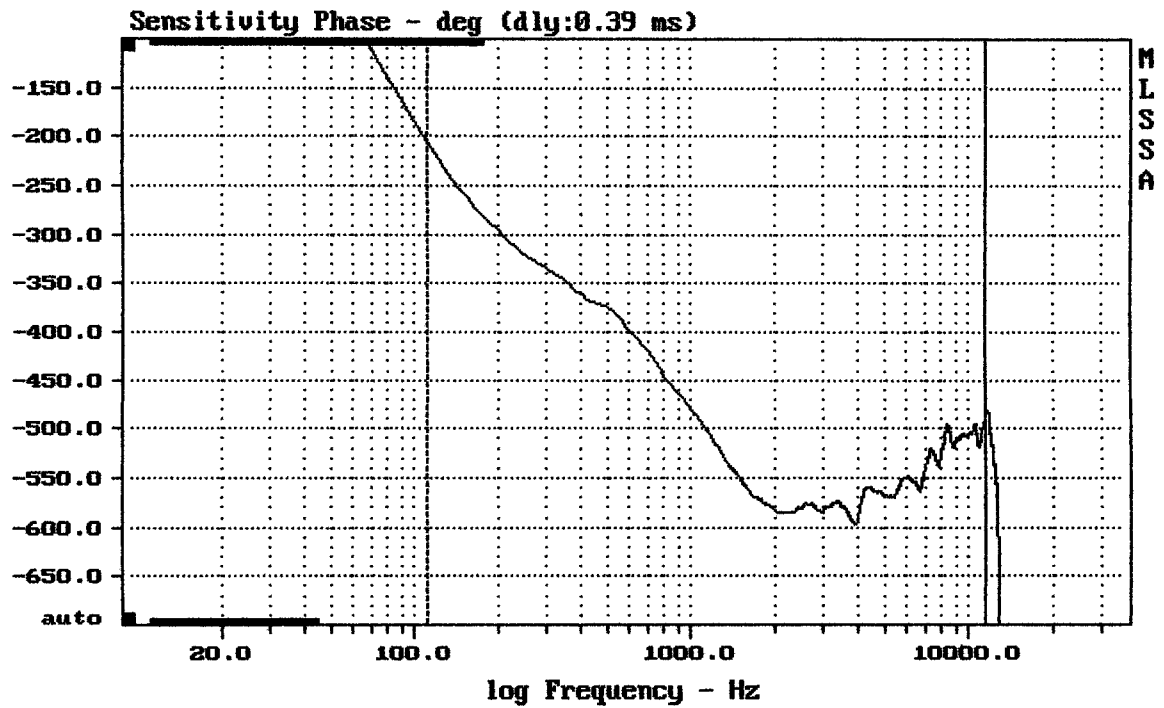

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mean: 0.000109, rms: 0.002341, std: 0.002339, max: 0.006284, min: -0.003867

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HD32-A

MLSSA: Time Domain



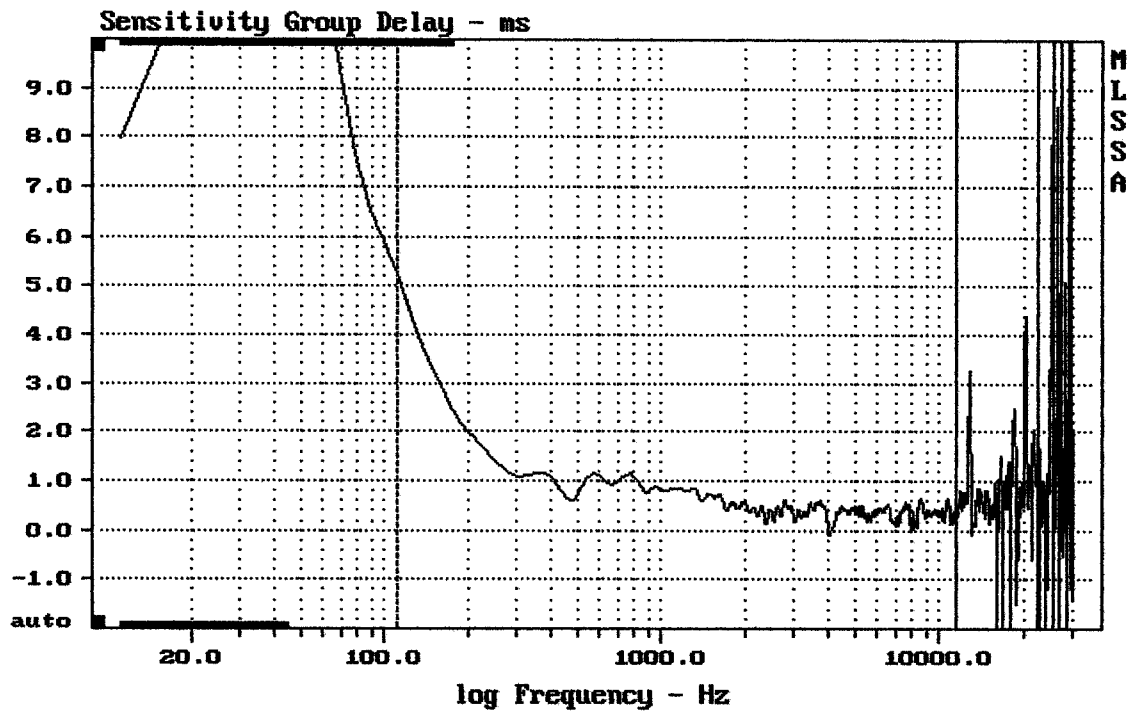

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mean: -529.9, rms: 532.8, std: 55.35, max: -204.6, min: -597.3

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HD32-A

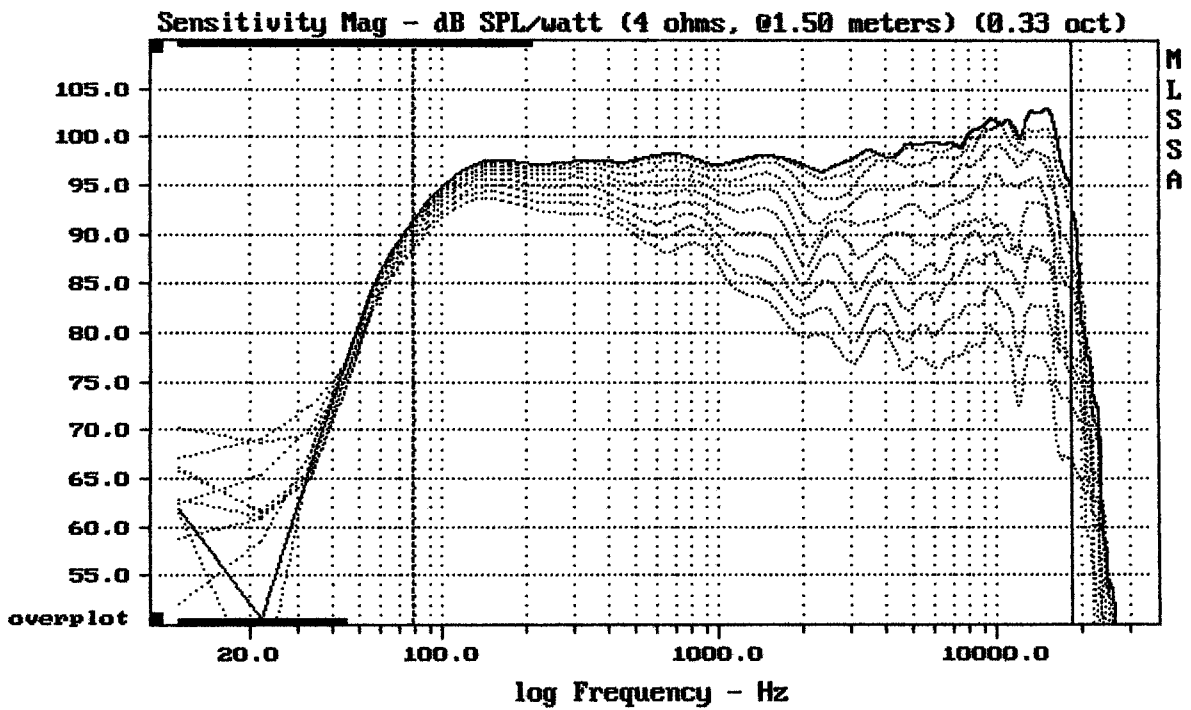
MLSSA: Frequency Domain



mean: 0.4587, rms: 0.588, std: 0.3678, max: 5.228, min: -0.097

HD32-A

MLSSA: Frequency Domain

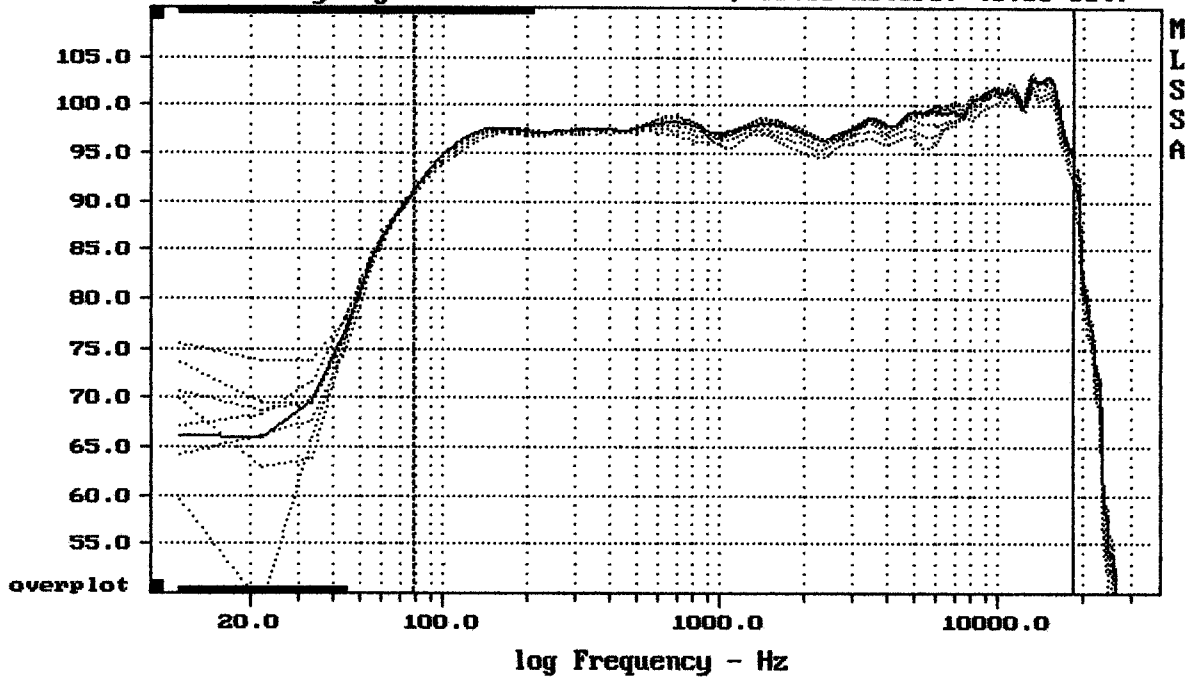


Overlay Compare: dev= +19/-9.1, std= 5.2, avg= -22

HD32-A

MLSSA: Frequency Domain

Sensitivity Mag - dB SPL/watt (4 ohms, @1.50 meters) (0.33 oct)

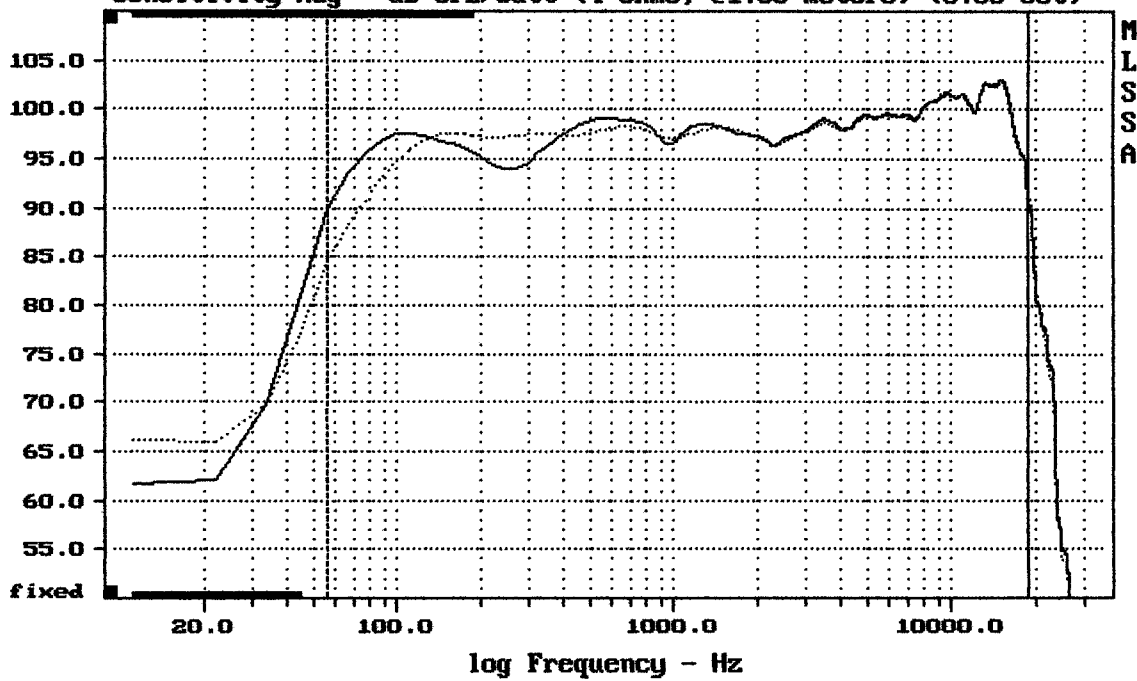


mean: 98.48, rms: 98.69, std: 2.01, max: 101.61, min: 90.75

HD32-A

MLSSA: Frequency Domain

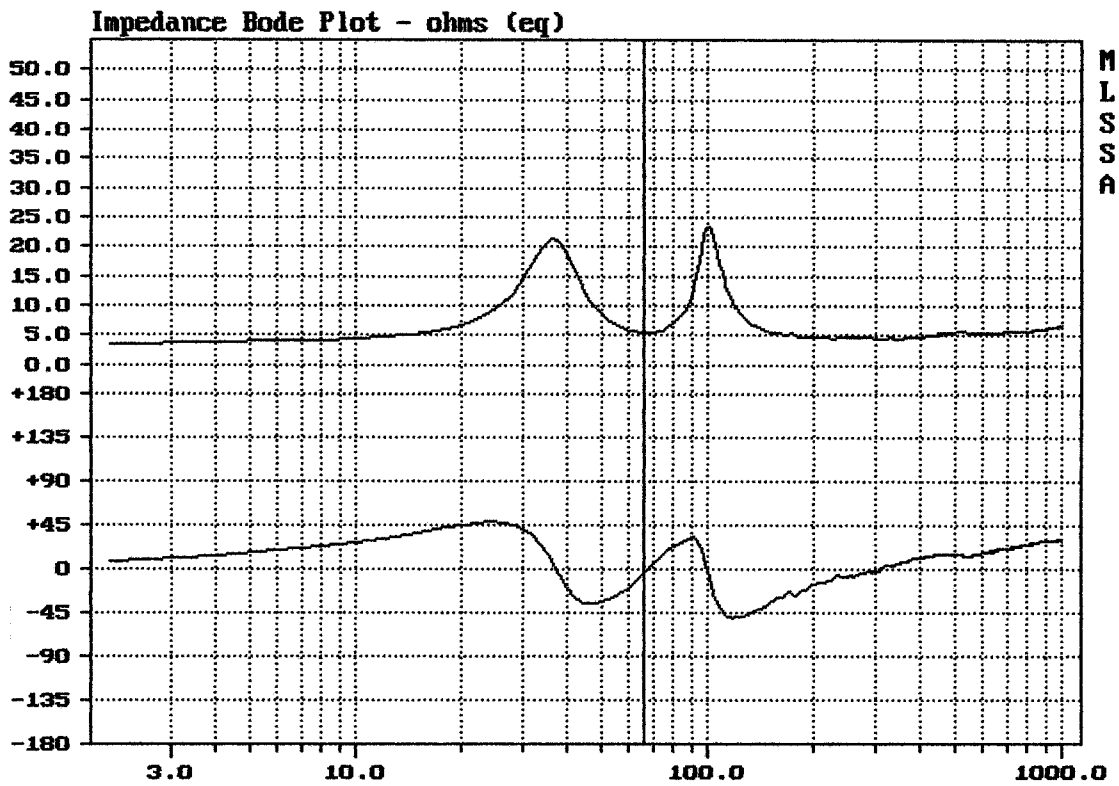
Sensitivity Mag - dB SPL/watt (4 ohms, @1.50 meters) (0.33 oct)



Overlay Compare: dev= +5.4/-3.2, std= 0.42, avg= -0.0059

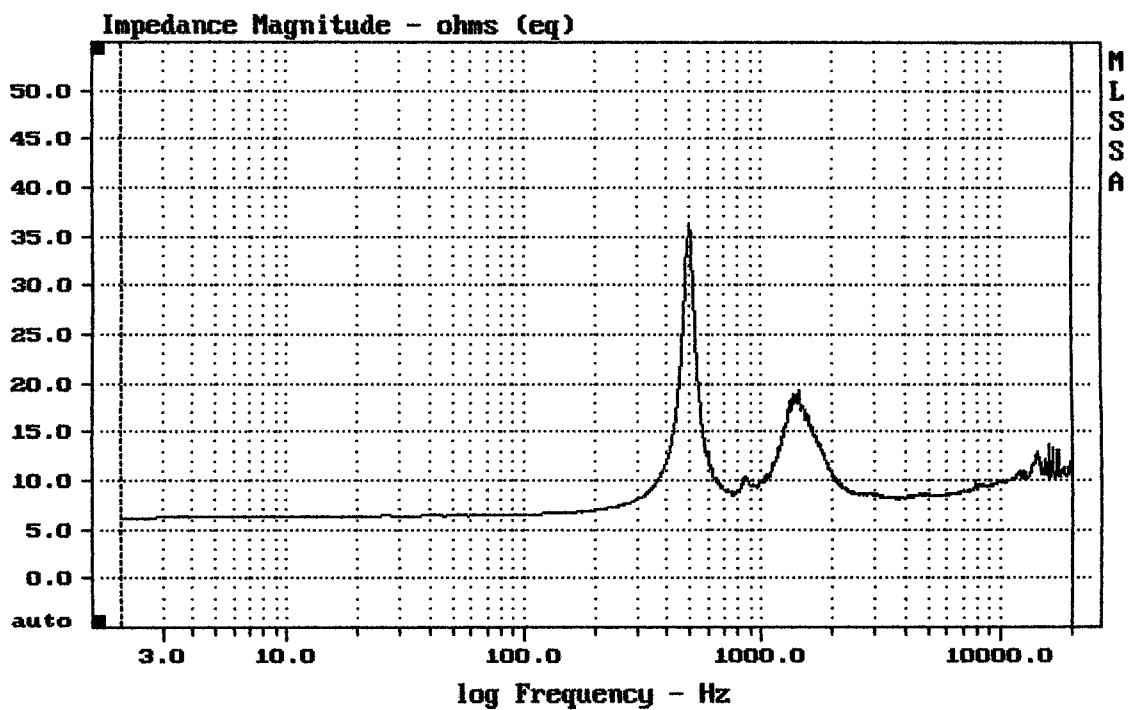
HD32-A STAGE MON. —

MLSSA: Frequency Domain



mag= 5.37, phase= -4.3 deg, 66.038 Hz (33)

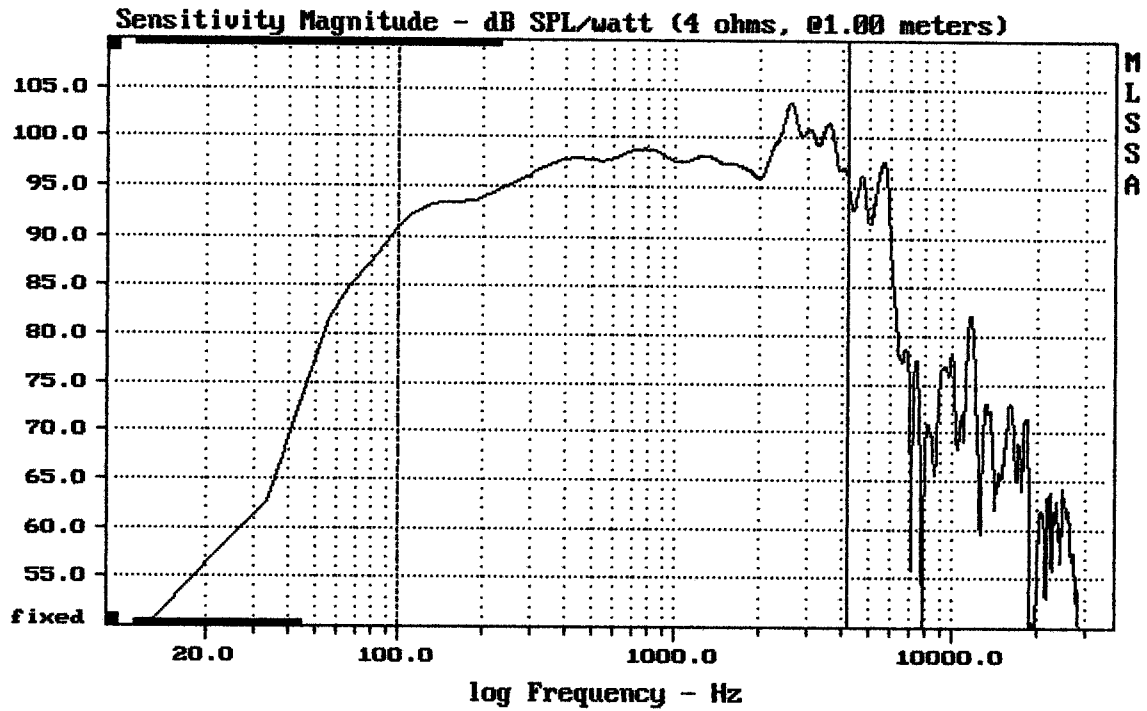
HD32-A



mean: 10.27, rms: 10.49, std: 2.135, max: 36.32, min: 6.034

HD32-A

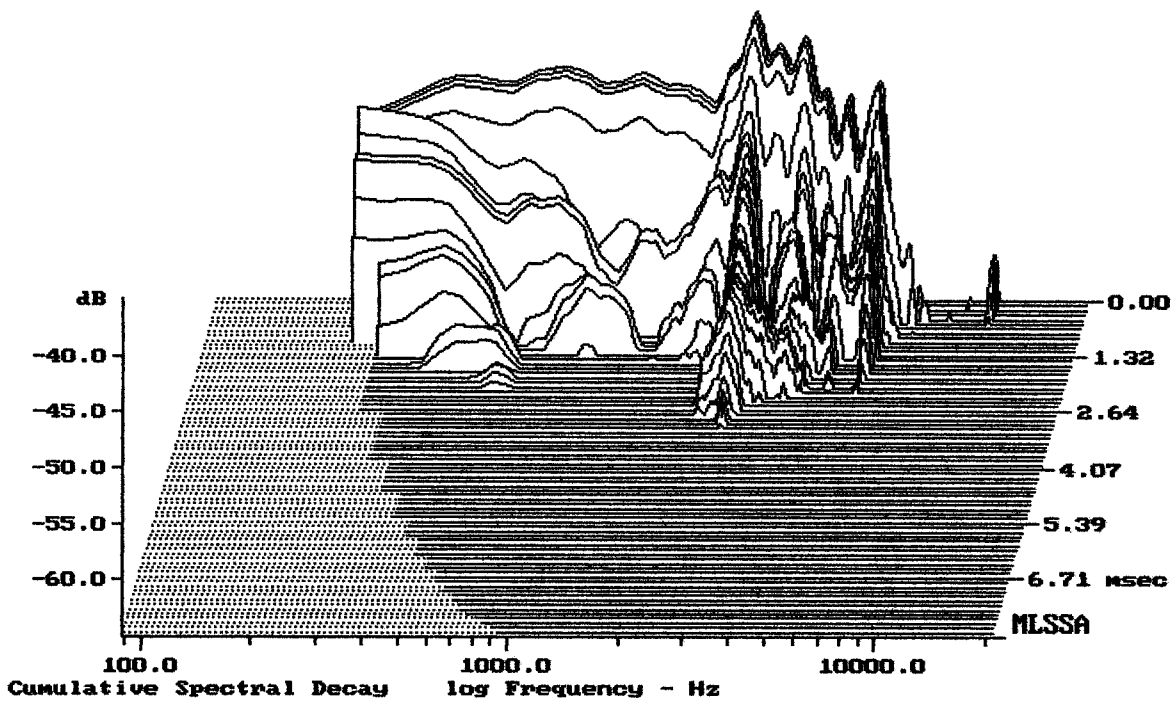
MLSSA: Frequency Domain



Level (100:4206 Hz) = 97.60 dB SPL/watt (4 ohms, @1.00 meters)

12" HD32-A

MLSSA: Frequency Domain



-63.20 dB, 2619 Hz (59), 2.970 msec (28)

DTTO

Measured Data

QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.28	Ohms
2	Fs	55.30	Hz
3	Re	3.10	Ohms[dc]
4	Res	51.27	Ohms
5	Qms	5.49	
6	Qes	0.33	
7	Qts	0.31	
8	L1	0.40	mH
9	L2	0.77	mH
10	R2	2.77	Ohms
11	RMSE-load	0.20	Ohms
12	Vas(Sd)	84.57	liters
13	Mms	38.77	grams
14	Cms	214	$\mu\text{M}/\text{Newton}$
15	B1	11.22	Tesla-M
16	SPLref(Sd)	98.2	dB[Re]
17	Rub-index	0.00	

Method: Mass-loaded (80.00 grams)

Area (Sd): 530.93 sq cm

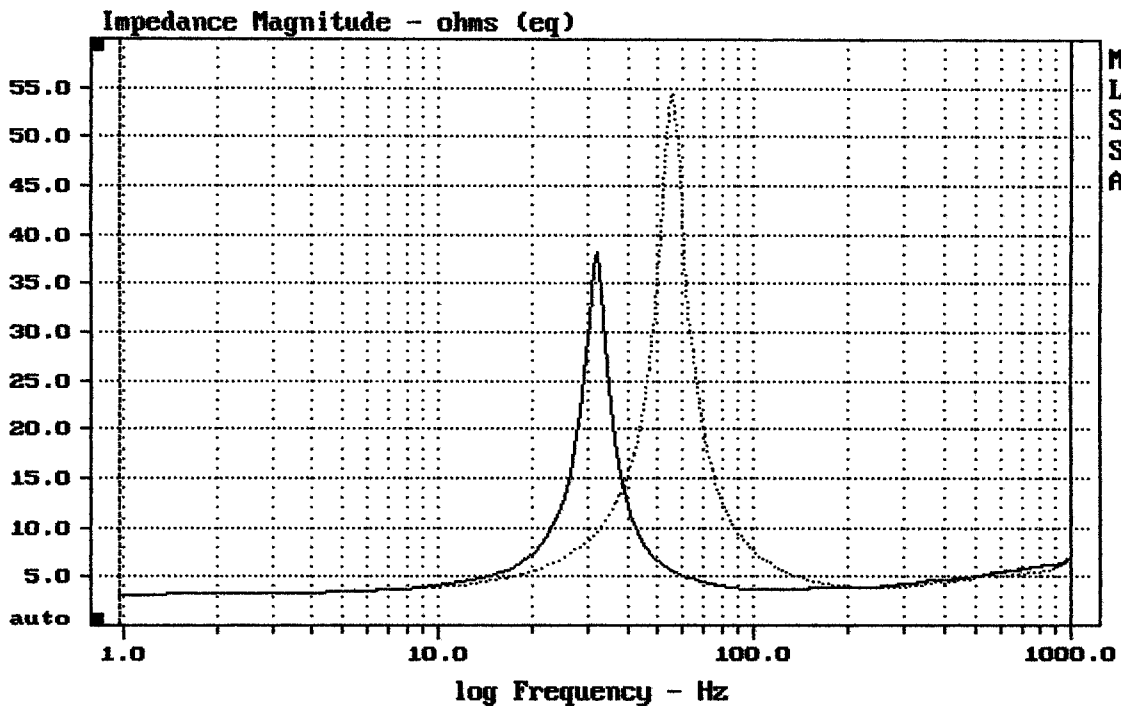
DCR mode: Measure (-0.11 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -42.4% (-20% to -50% is recommended).

HD32-A

MLSSA: Parameters



mean: 6.146, rms: 8.199, std: 5.427, max: 54.42, min: 3.19

DTTO

MLSSA: Frequency Domain