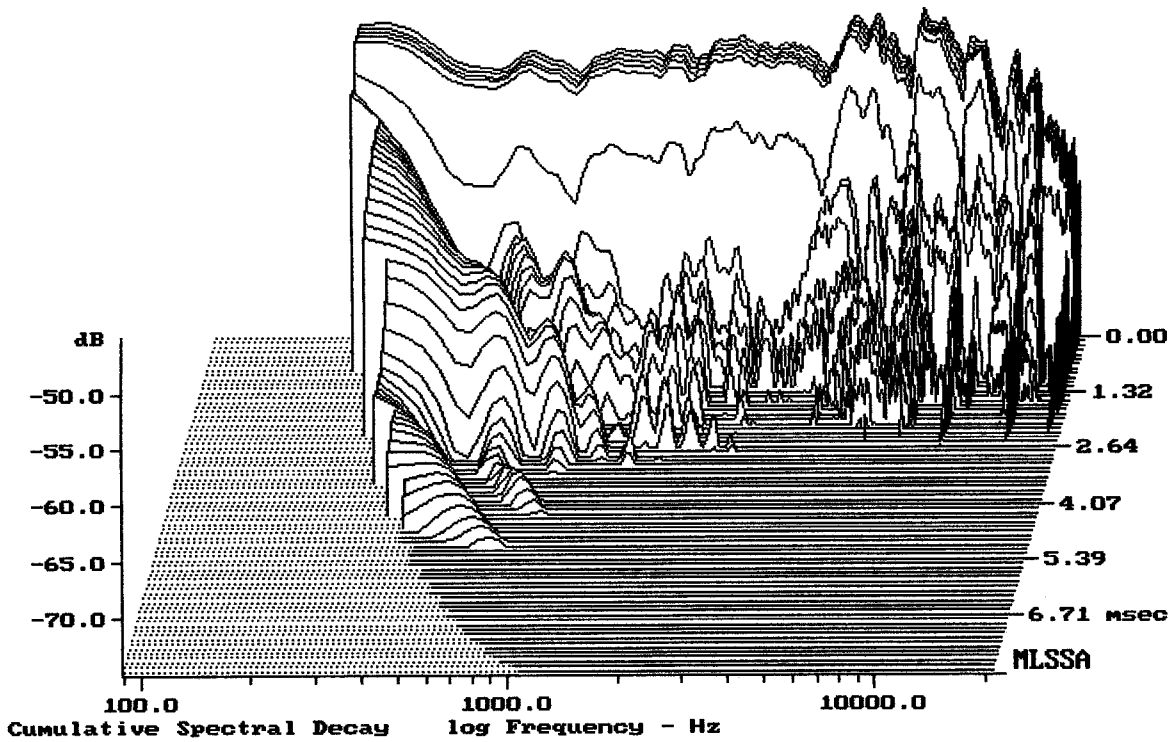


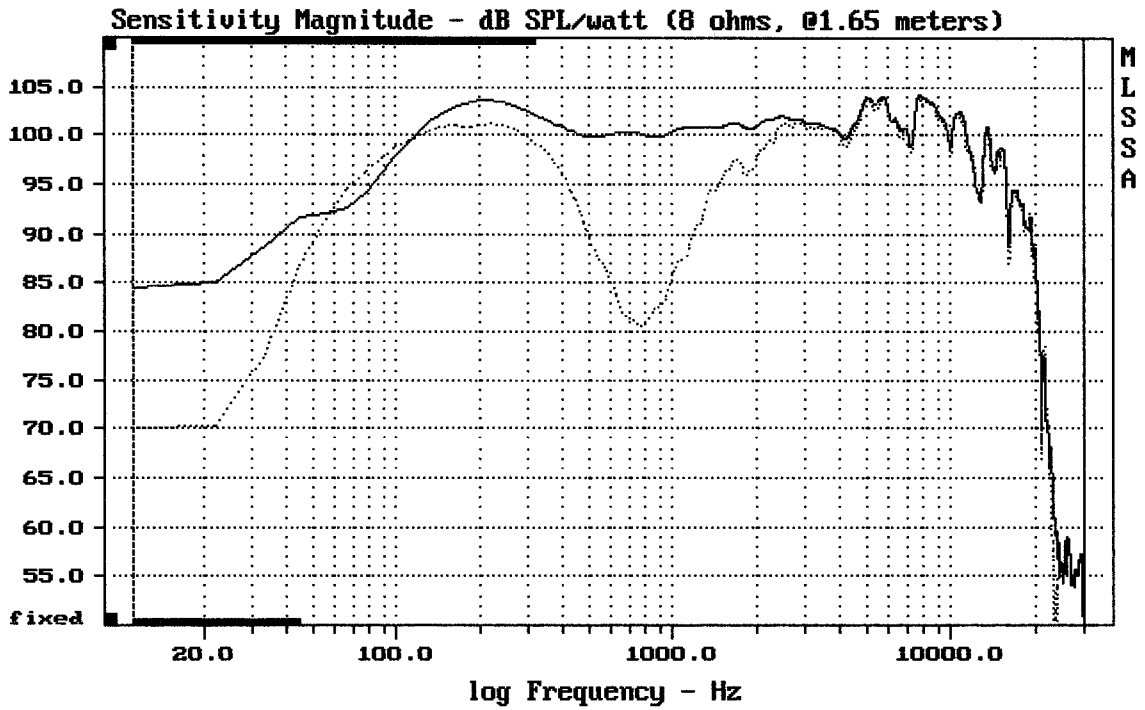
mean: 99.18, rms: 99.65, std: 2.53, max: 103.51, min: 87.35

HD1531

MLSSA: Frequency Domain



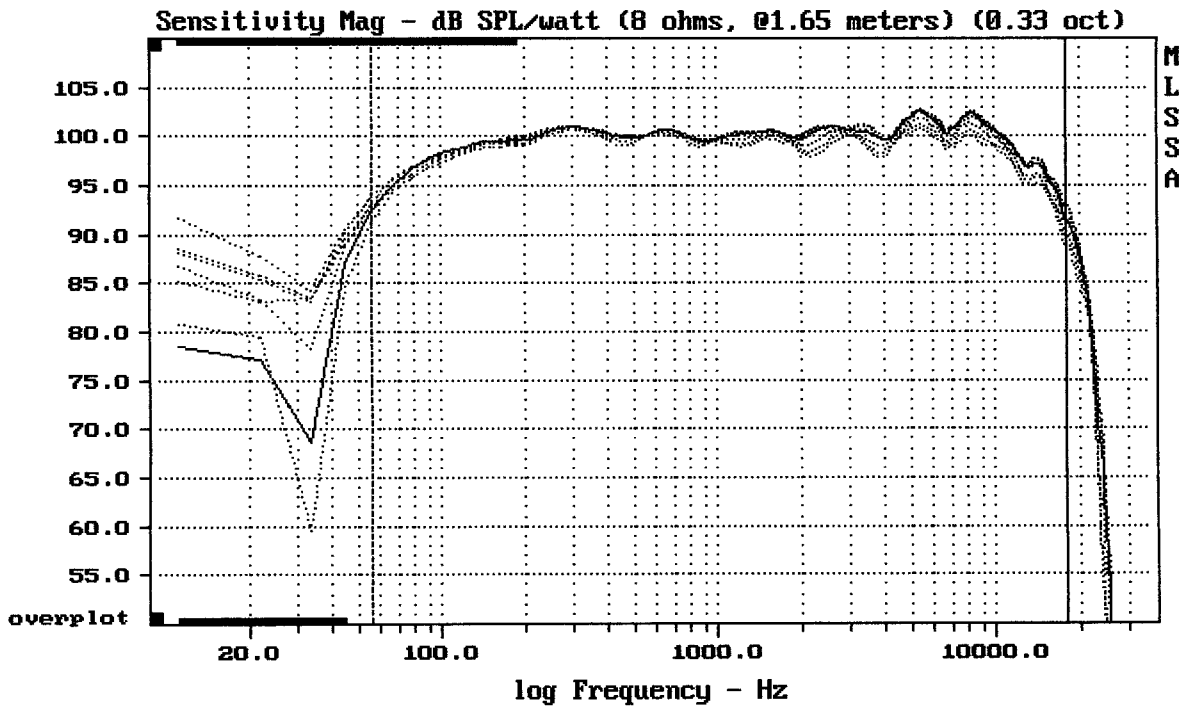
-75.00 dB, 6081 Hz (137), 2.200 msec (21)



CURSOR: dy = -8.52473 x = 30007.1014 (2704)

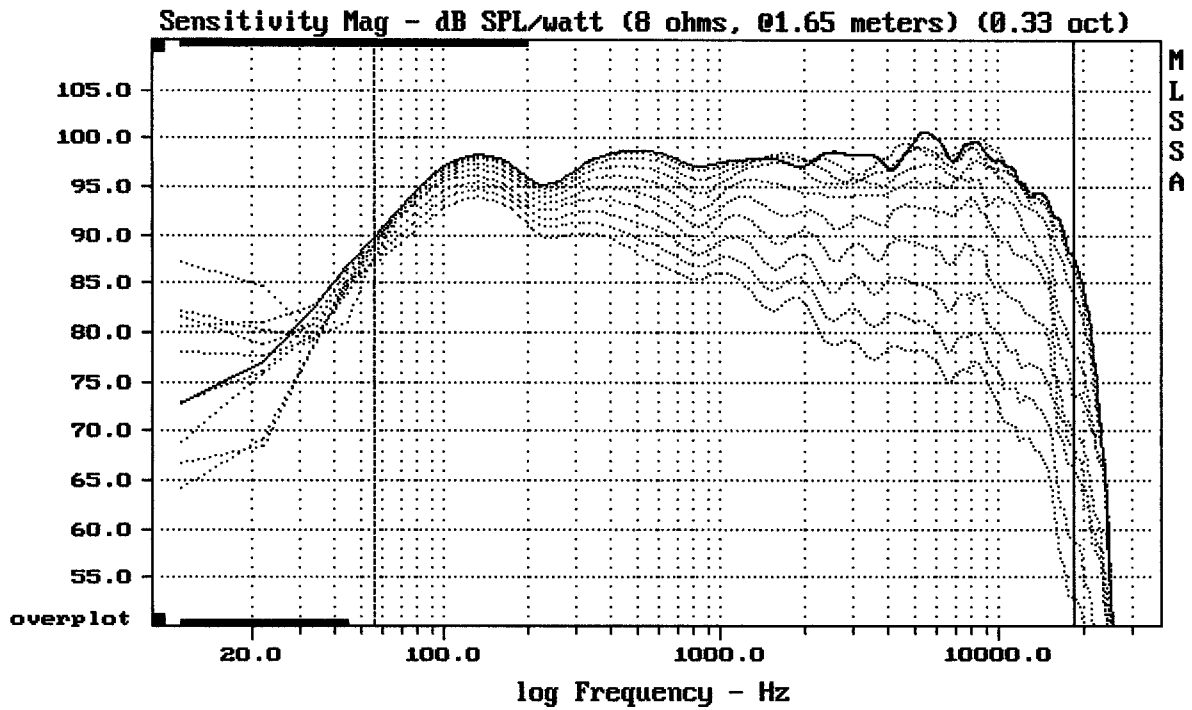
HD1531

MLSSA: Frequency Domain



Overlay Compare: dev= +1.5/-1, std= 0.52, avg= 0.038

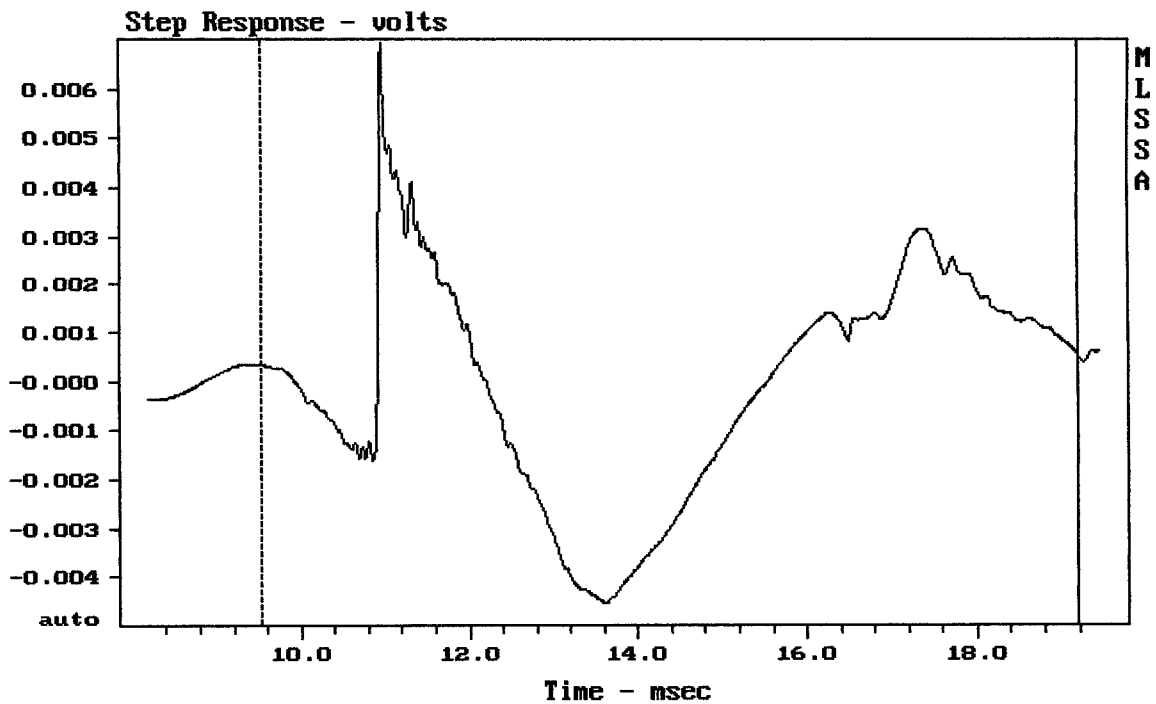
HD1531



Overlay Compare: dev= +21/-11, std= 6.2, avg= -24

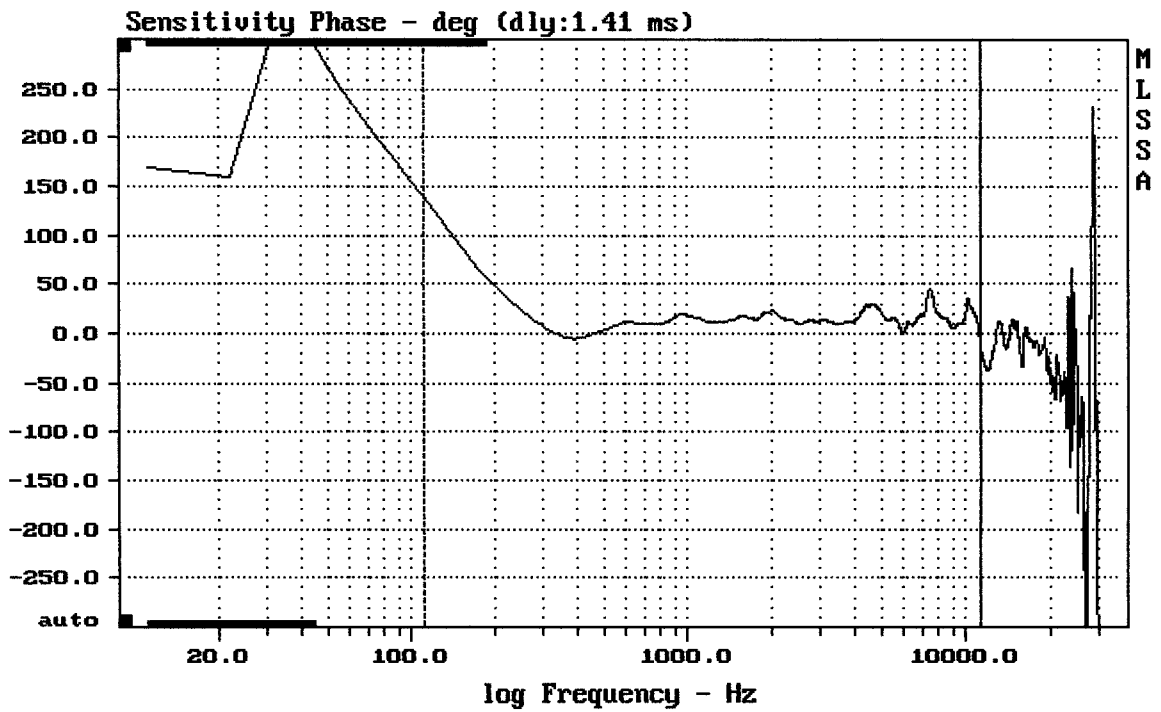
HD1531

MLSSA: Frequency Domain



mean: -3.965e-005, rms: 0.002284, std: 0.002283, max: 0.006911, min: -0.004544

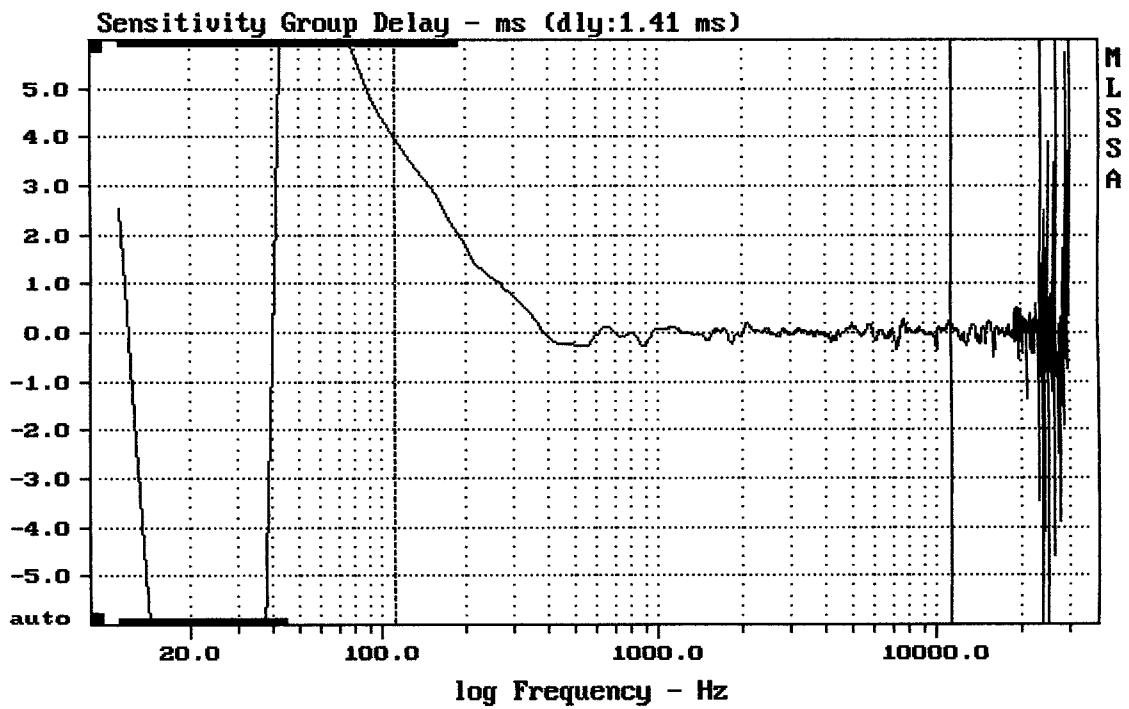
HD1531



mean: 16.43, rms: 20.16, std: 11.67, max: 139.4, min: -13.42

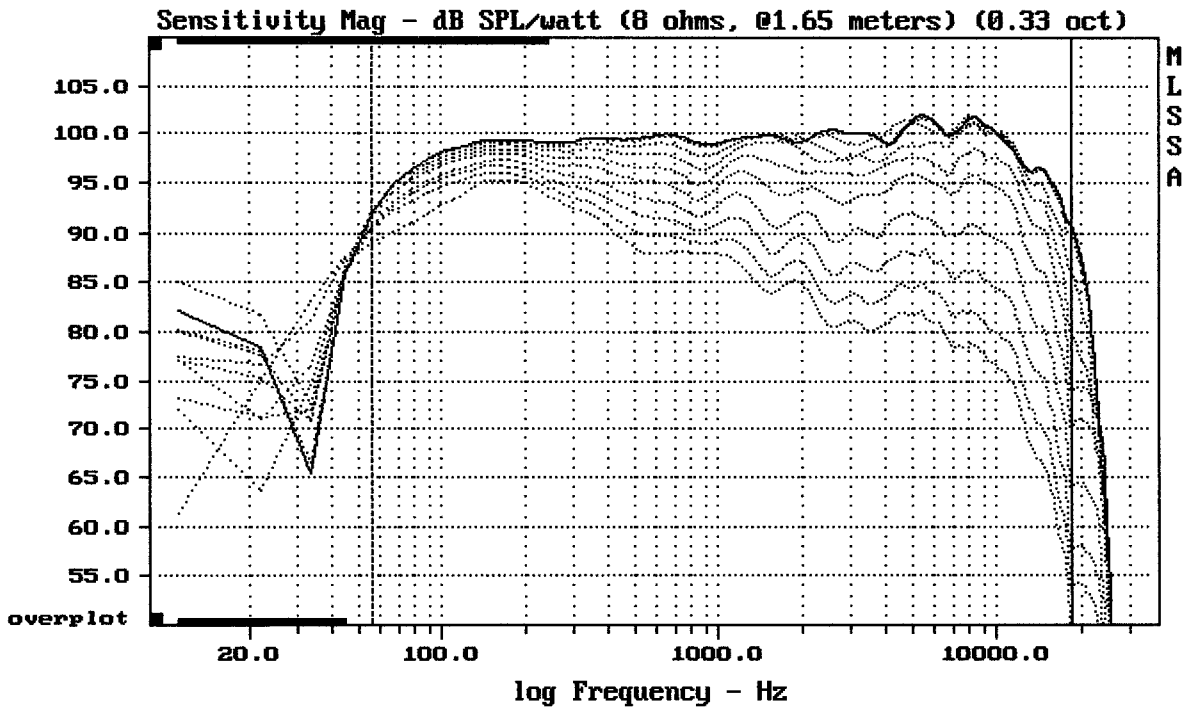
HD1531

MLSSA: Frequency Domain



mean: 0.03997, rms: 0.3163, std: 0.3138, max: 3.983, min: -0.3531

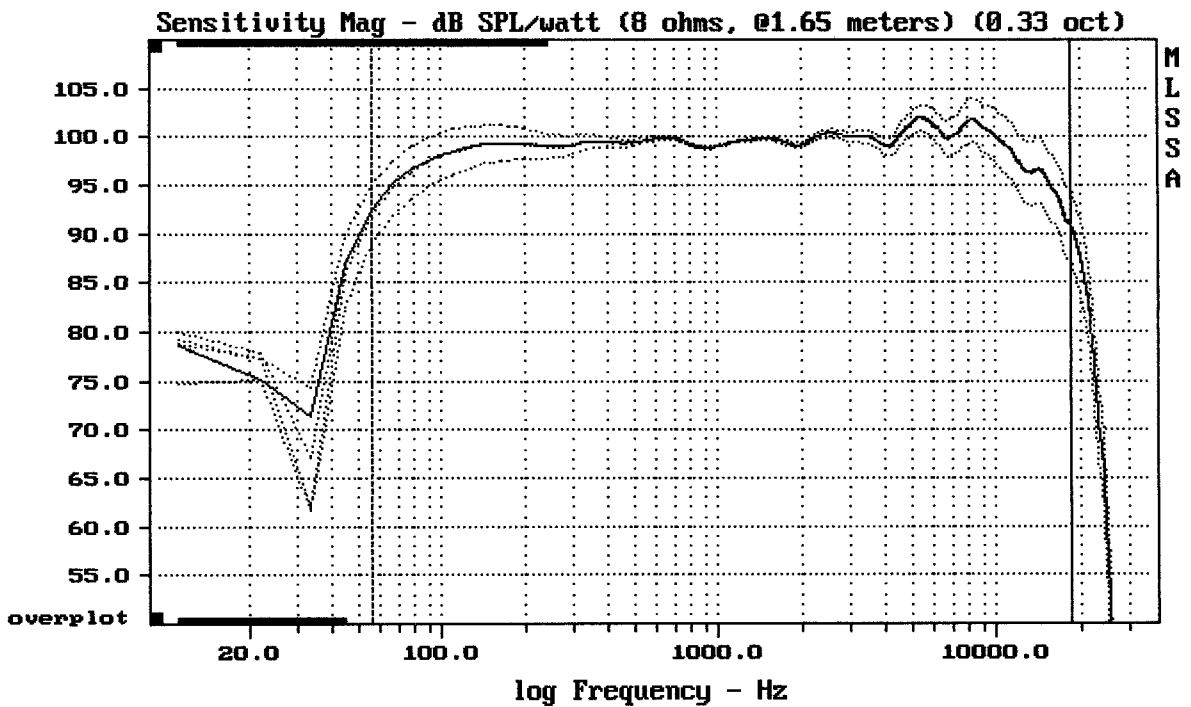
HD1531



Overlay Compare: dev= +21/-18, std= 7, avg= -24

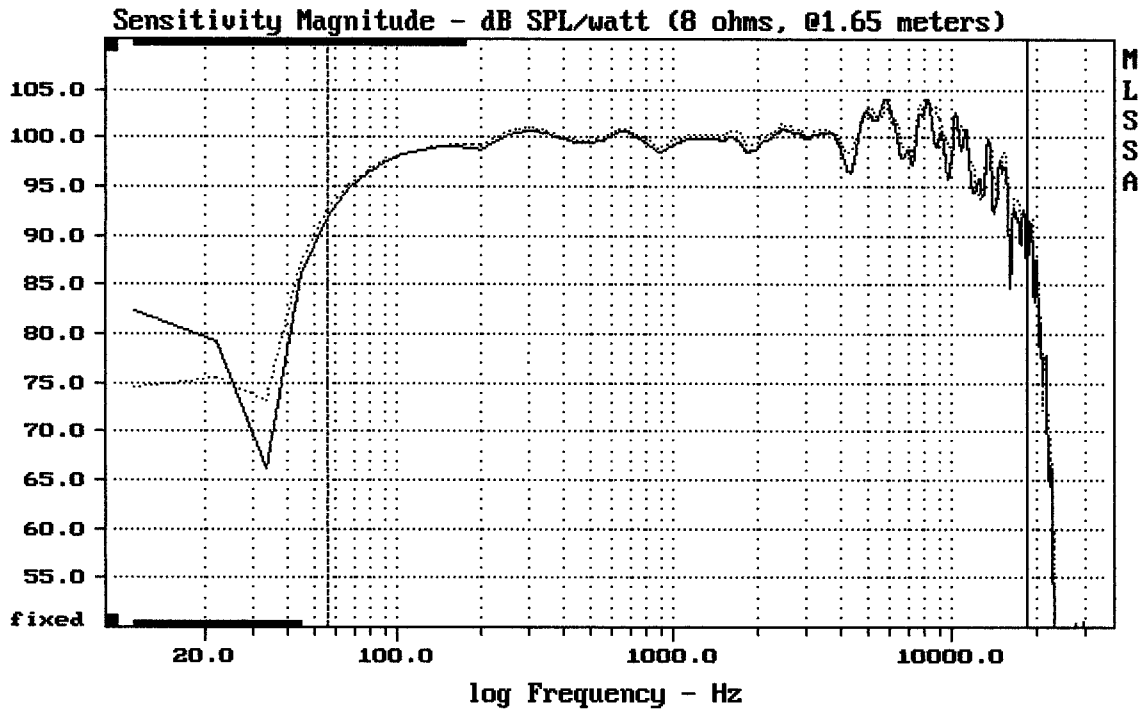
HD1531

MLSSA: Frequency Domain



CURSOR: y = 87.1374 x = 18499.2004 (1667)

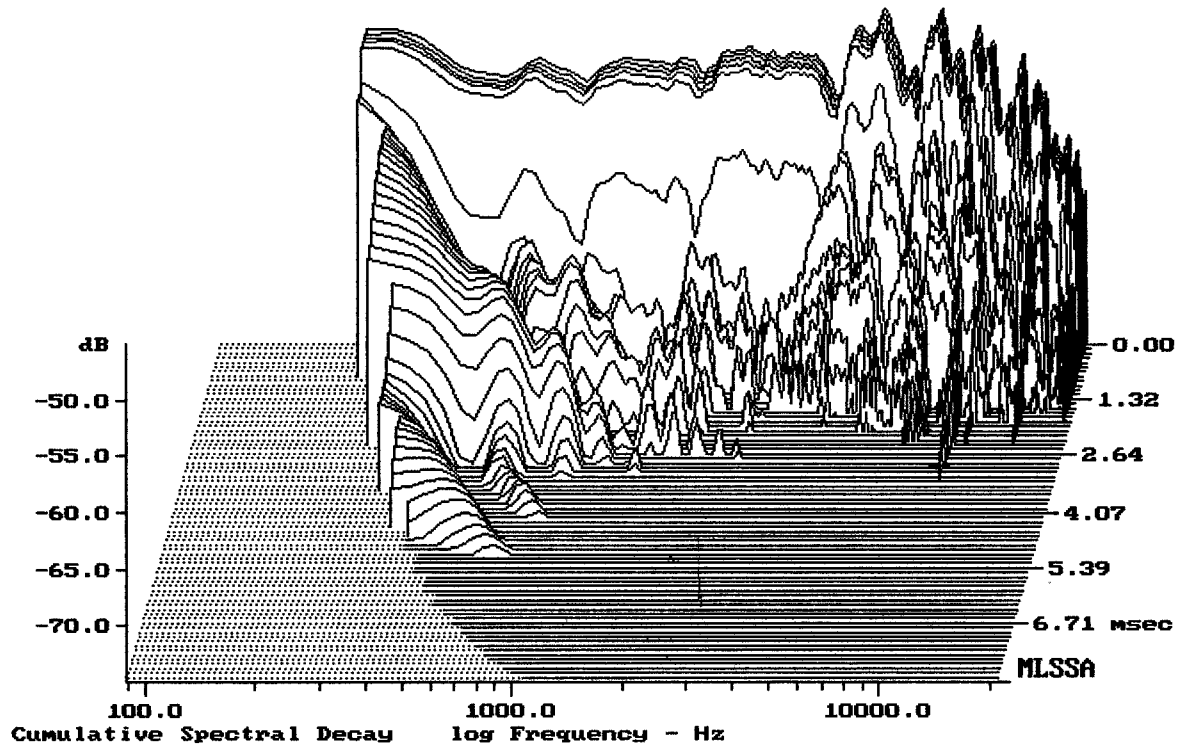
HD1531



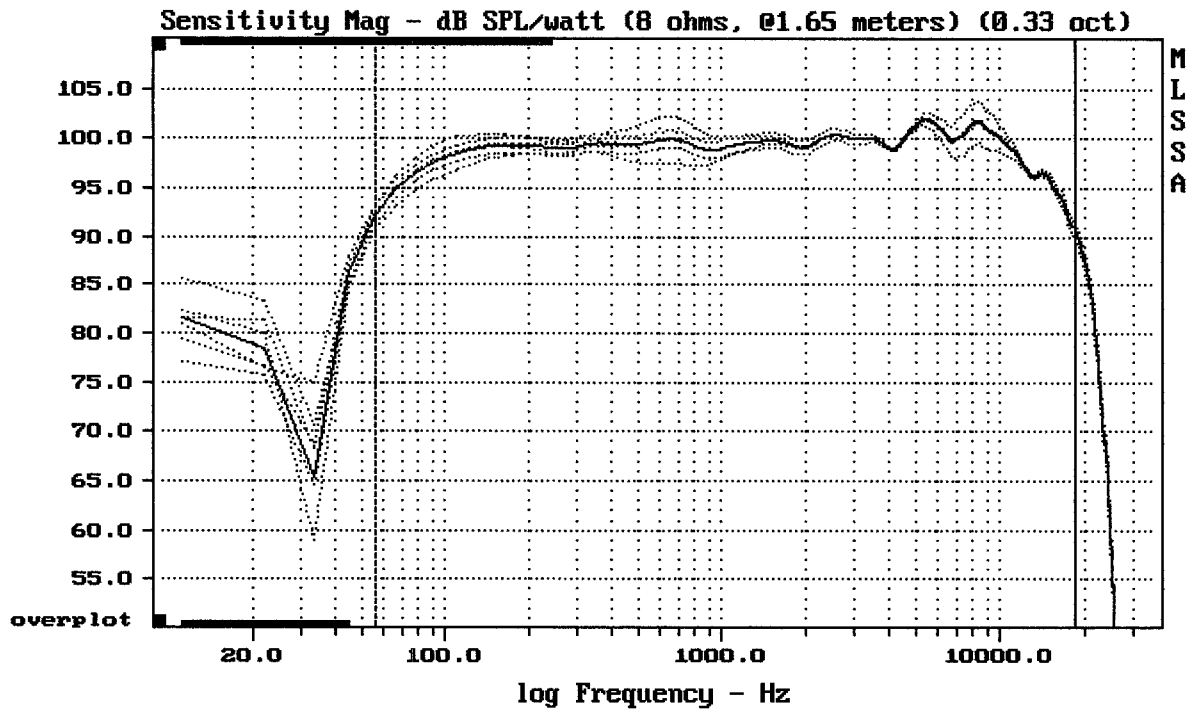
Overlay Compare: dev= +2.3/-3, std= 1.1, avg= -0.87

HD1531

MLSSA: Frequency Domain



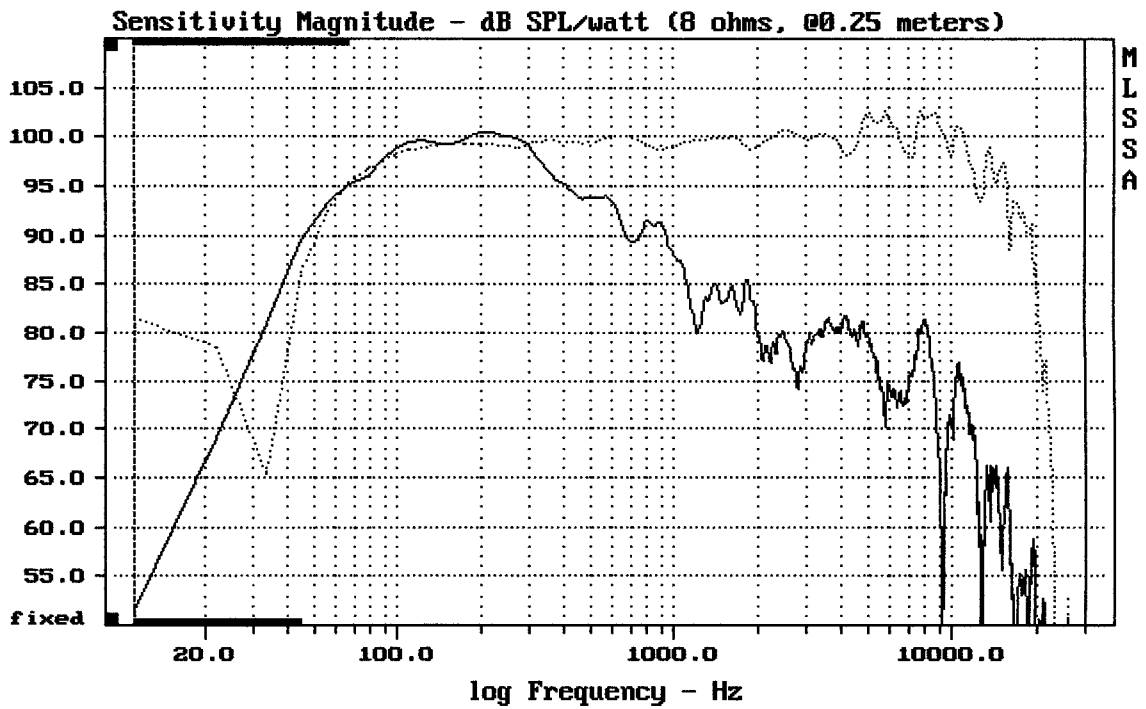
-74.44 dB, 10121 Hz (228), 3.080 msec (29)



CURSOR: $y = 90.0903$ $x = 18499.2004$ (1667)

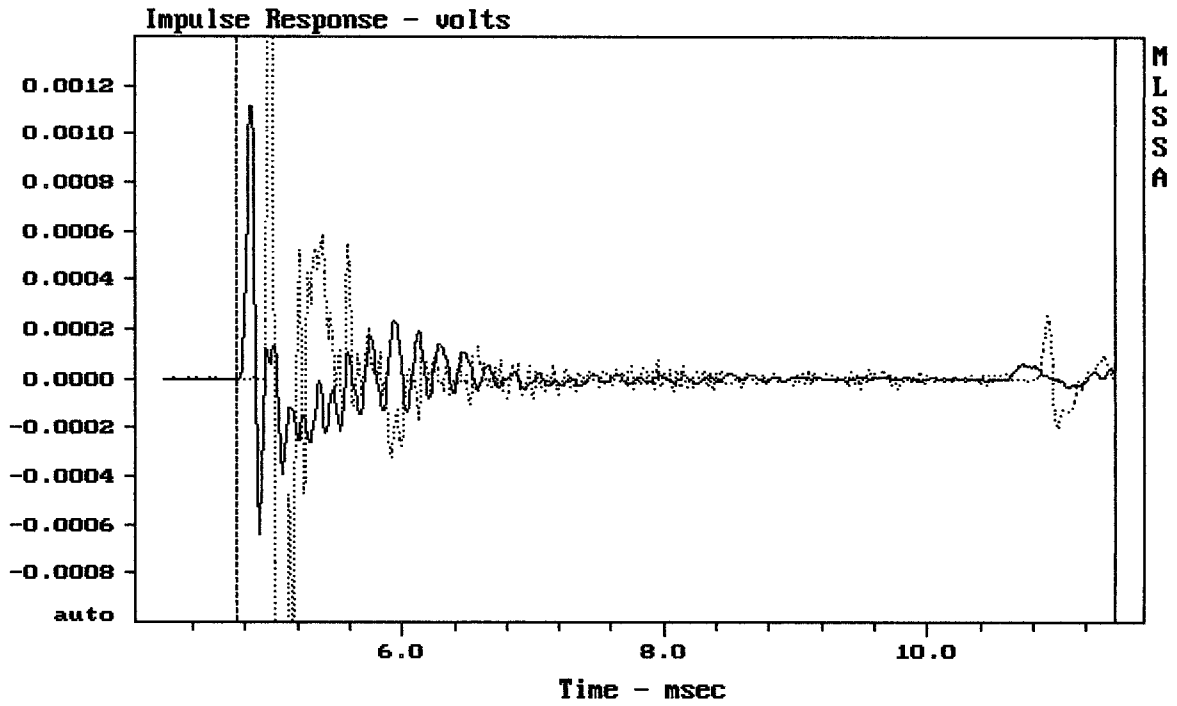
HD1531

MLSSA: Frequency Domain



CURSOR: $dy = 26.8392$ $x = 30007.1014$ (2704)

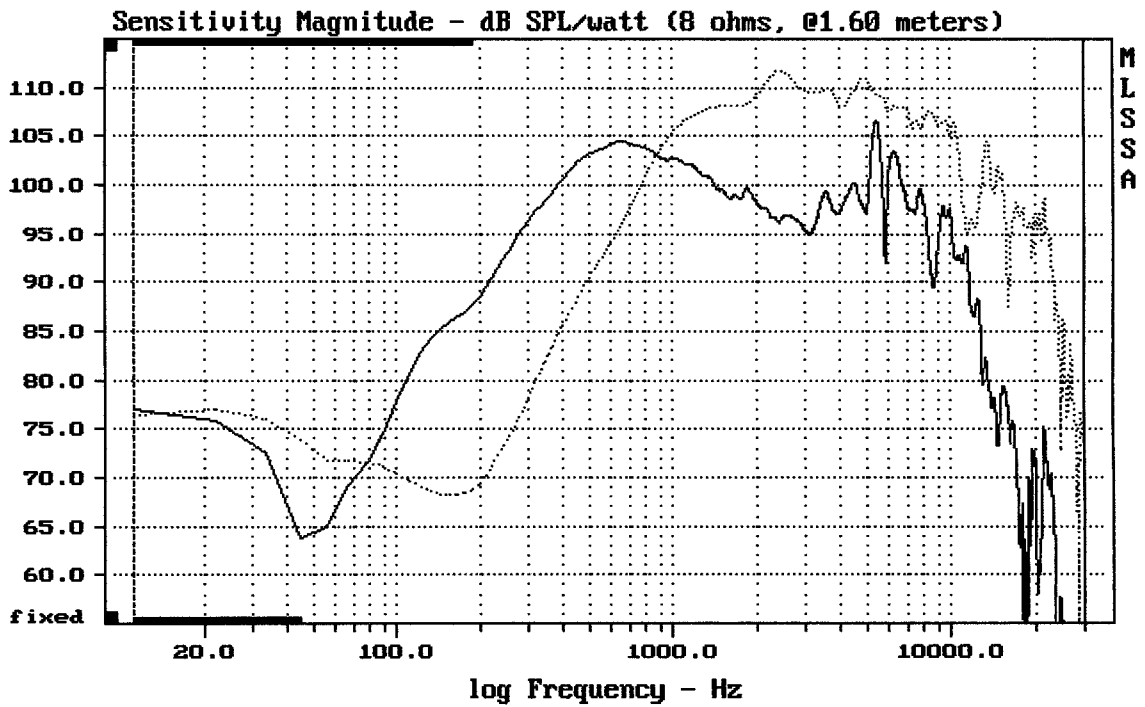
HD1531



CURSOR: $\Delta y = -1.17962e-005$ $x = 11.4180$ (1038)

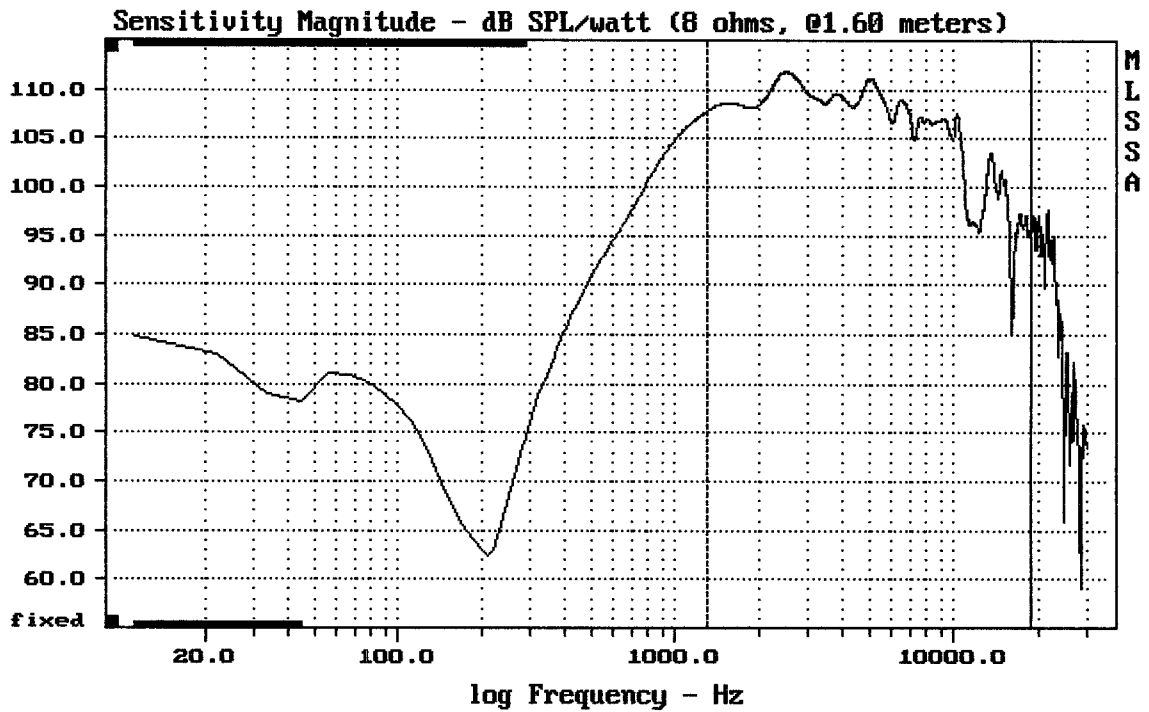
HD1531 HORN+DRIVER

MLSSA: Time Domain



CURSOR: $\Delta y = 26.5699$ $x = 30007.1014$ (2704)

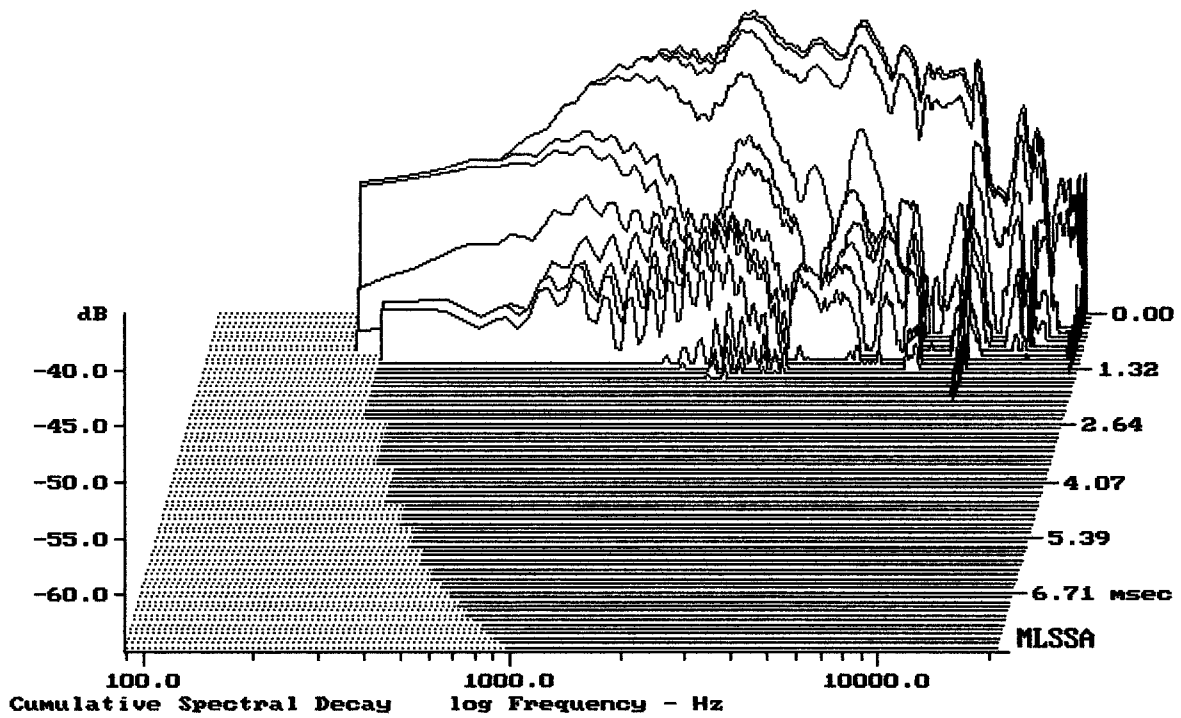
HD1531 HORN+DRIVER



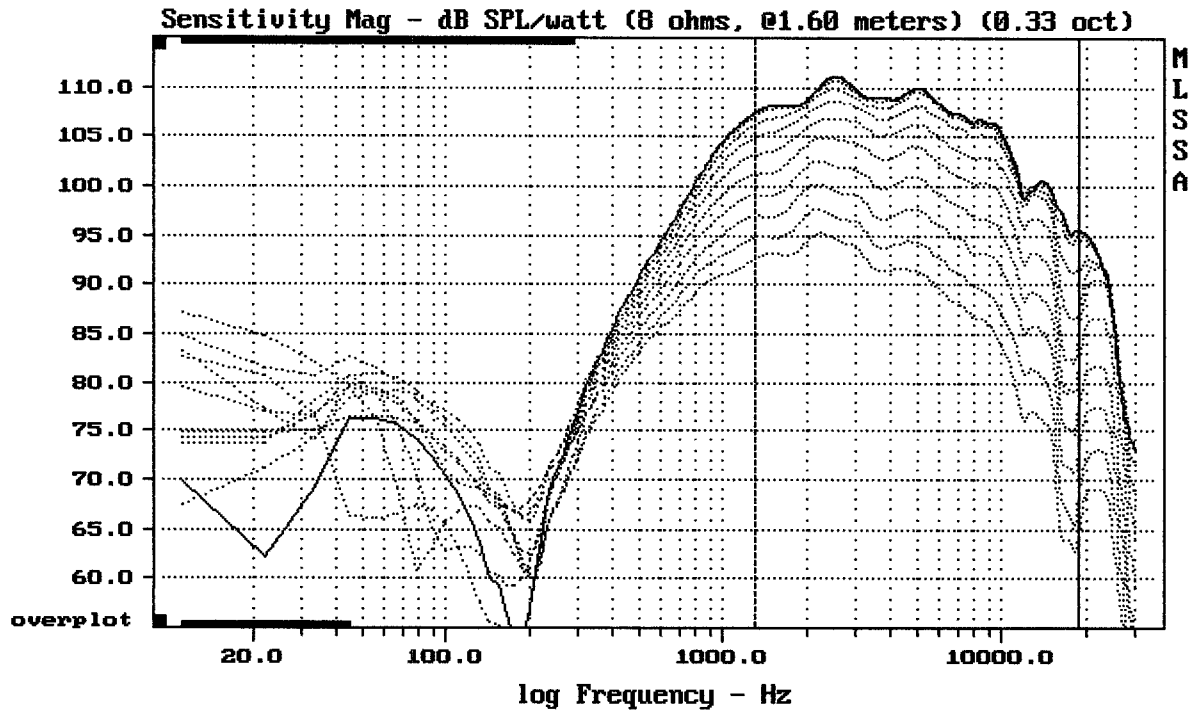
Level (1298:18999 Hz) = 108.00 dB SPL/watt (8 ohms, @1.60 meters)

HD1531 HORN+DRIVER

MLSSA: Frequency Domain



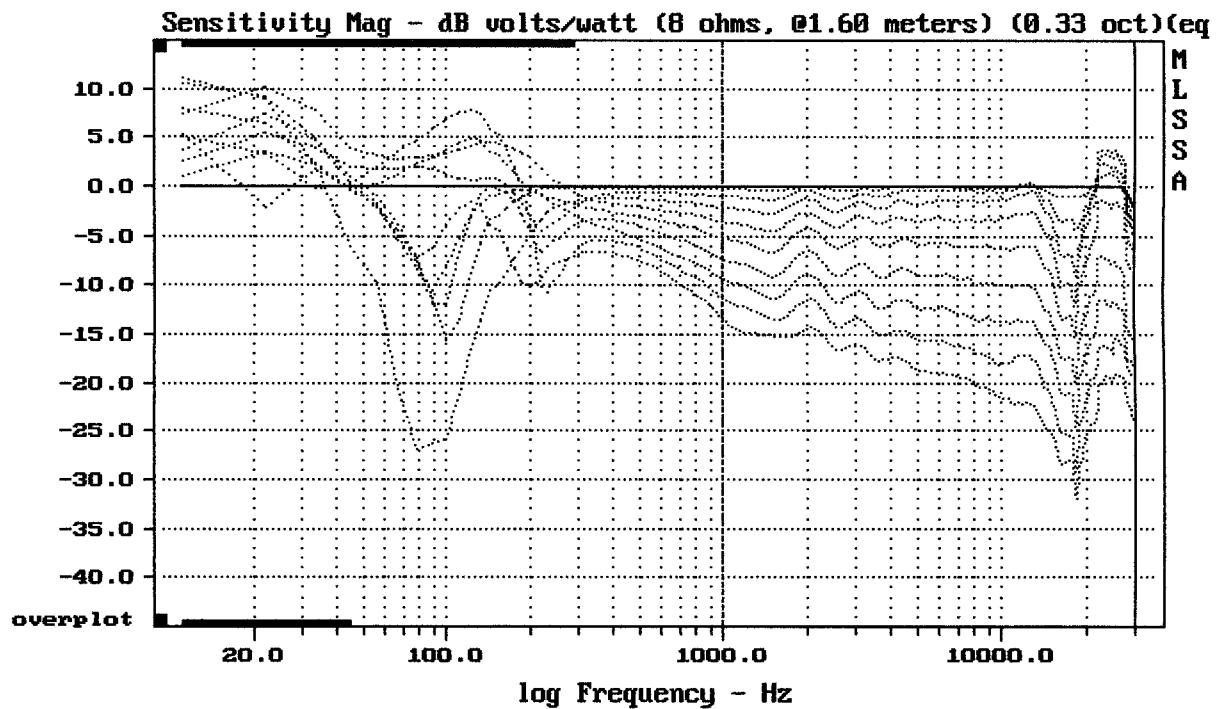
-63.73 dB, 10121 Hz (228), 1.980 msec (19)



Overlay Compare: dev= +8.4/-10, std= 5.3, avg= -23

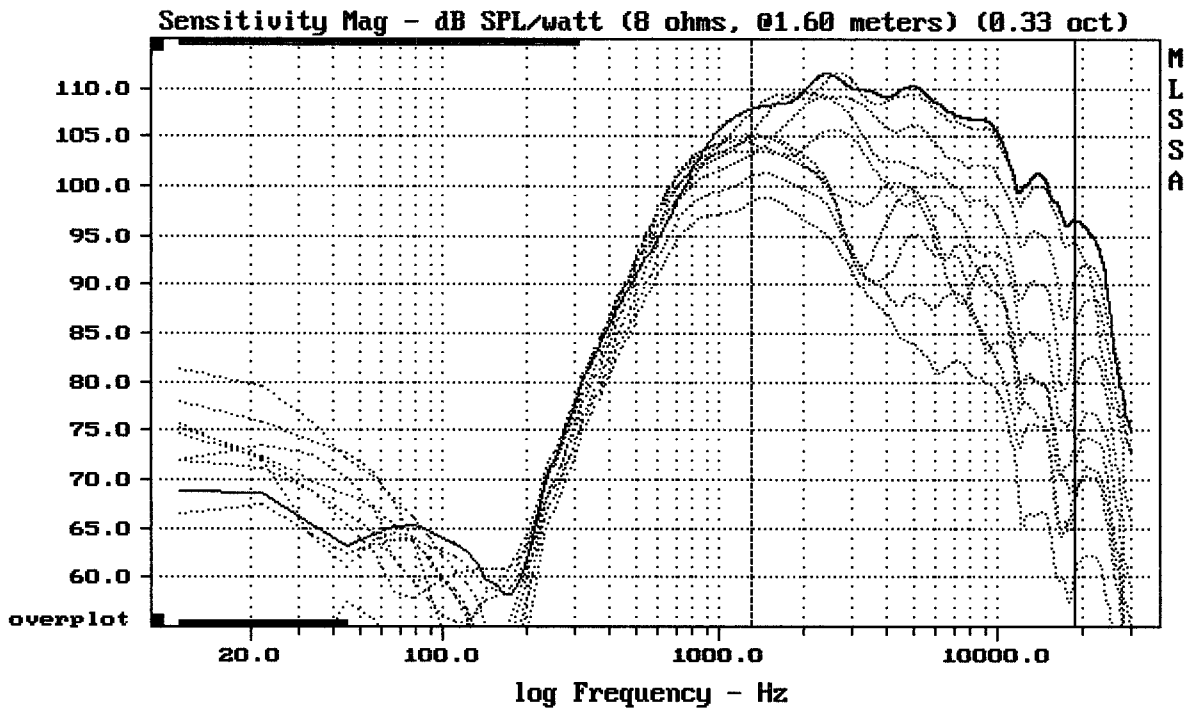
HD1531 HORN+DRIVER

MLSSA: Frequency Domain



Overlay Compare: dev= +8.3/-10, std= 3.8, avg= -22

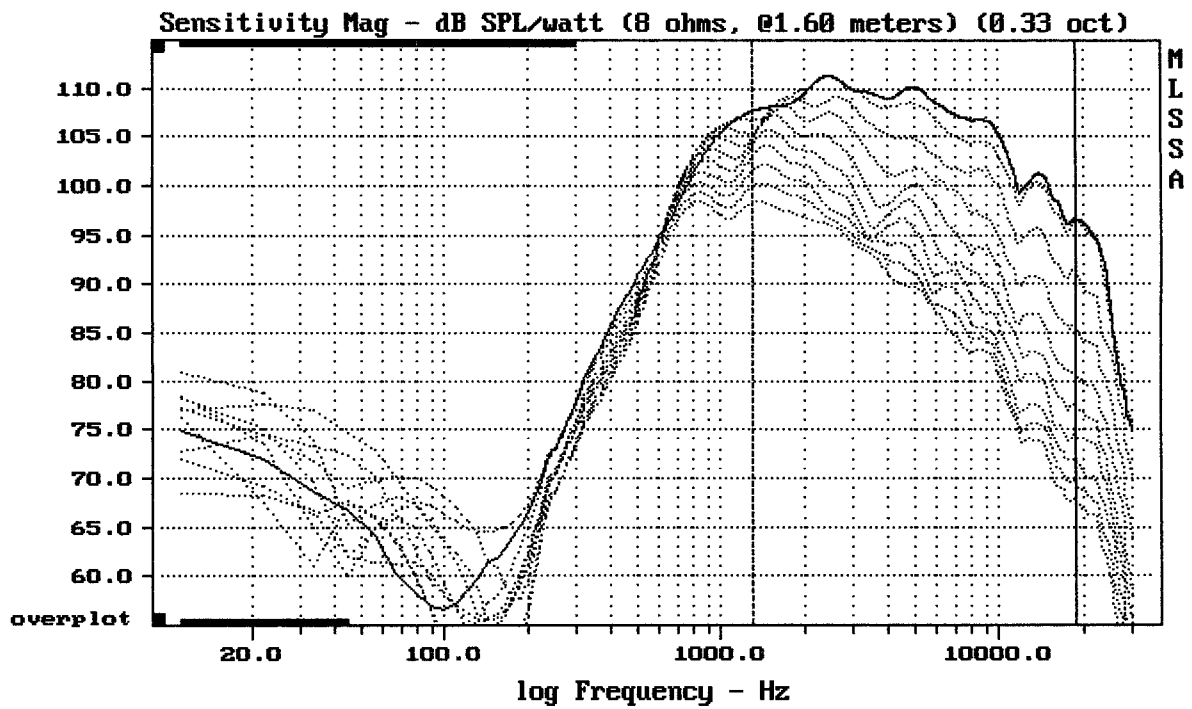
HD1531 HORN+DRIVER



Overlay Compare: dev= +19/-10, std= 7.1, avg= -29

HD1531 HORN+DRIVER

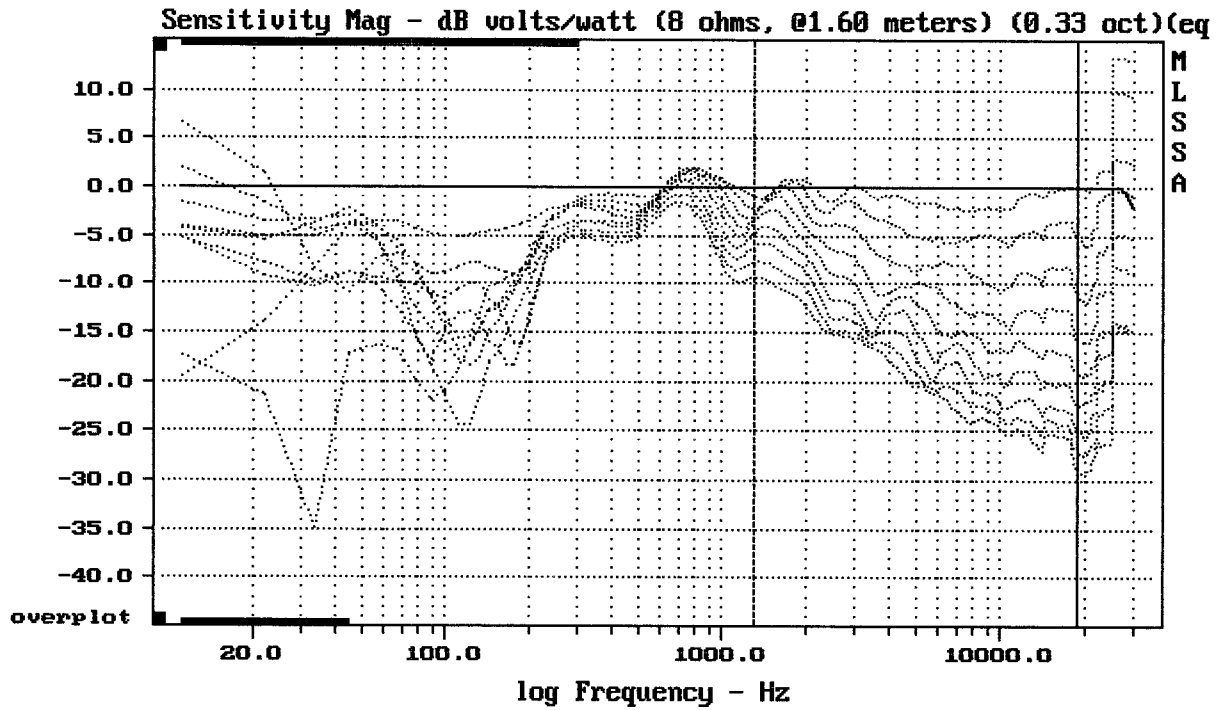
MLSSA: Frequency Domain



Overlay Compare: dev= +14/-5.6, std= 4.8, avg= -24

HD1531 HORN+DRIVER

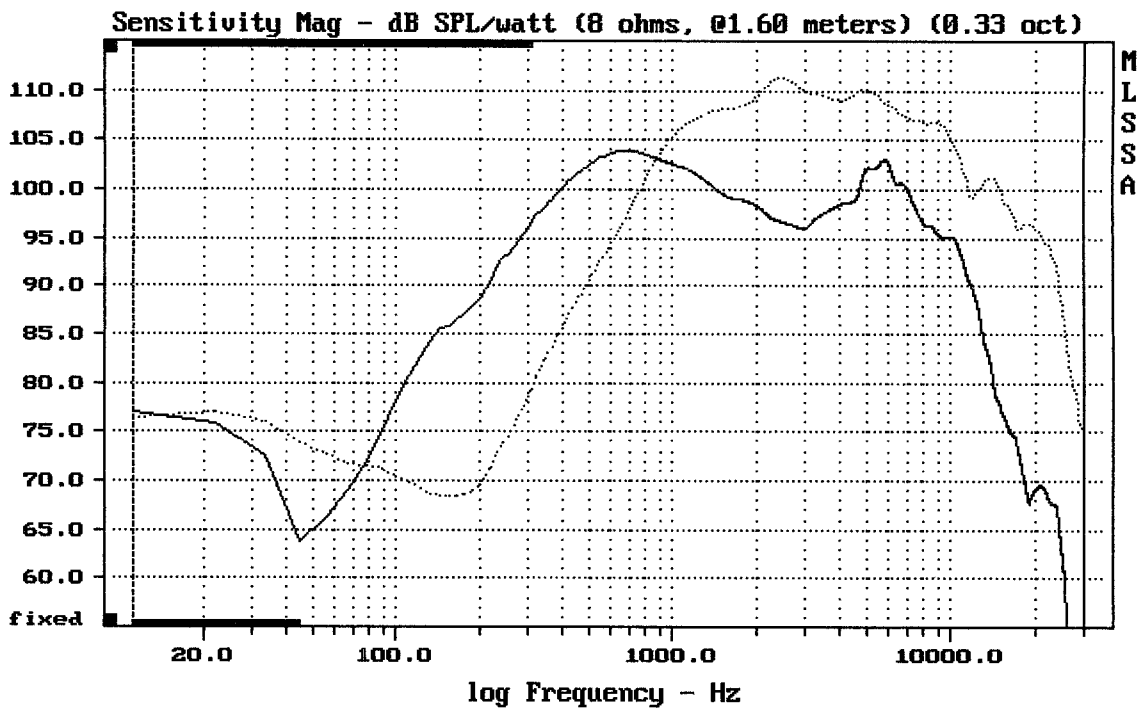
NAH020



Overlay Compare: dev= +14/-6.1, std= 4.3, avg= -23

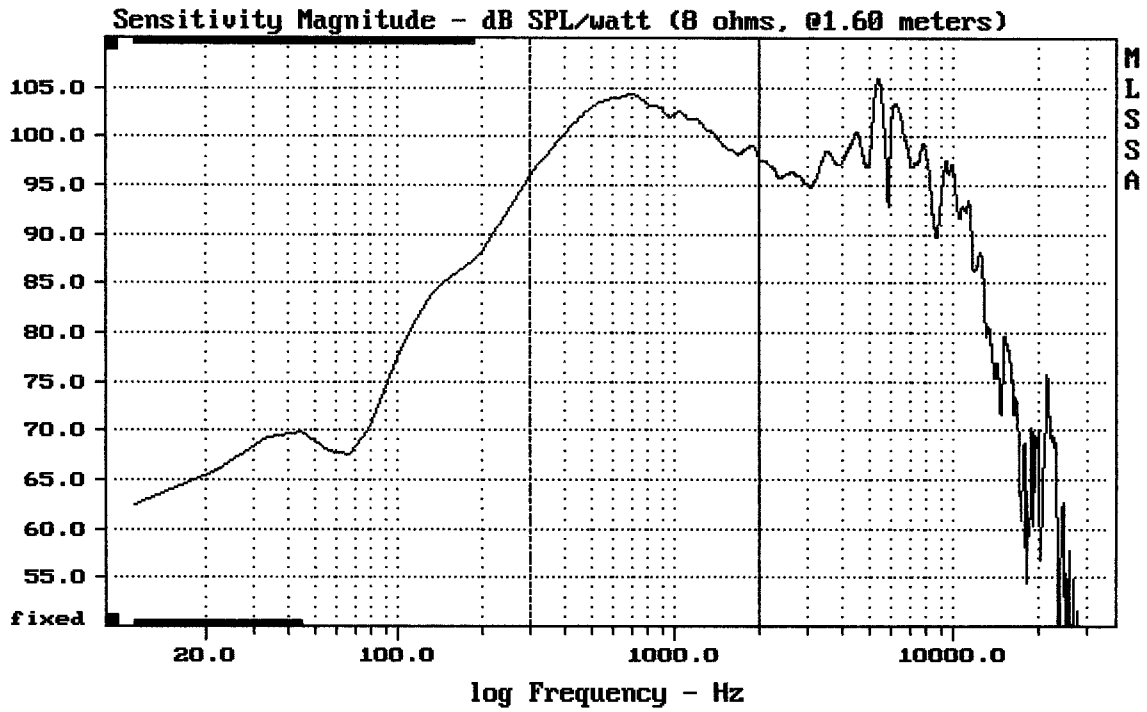
HD1531 HORN+DRIVER

MLSSA: Frequency Domain



CURSOR: dy = 32.6254 x = 30007.1014 (2704)

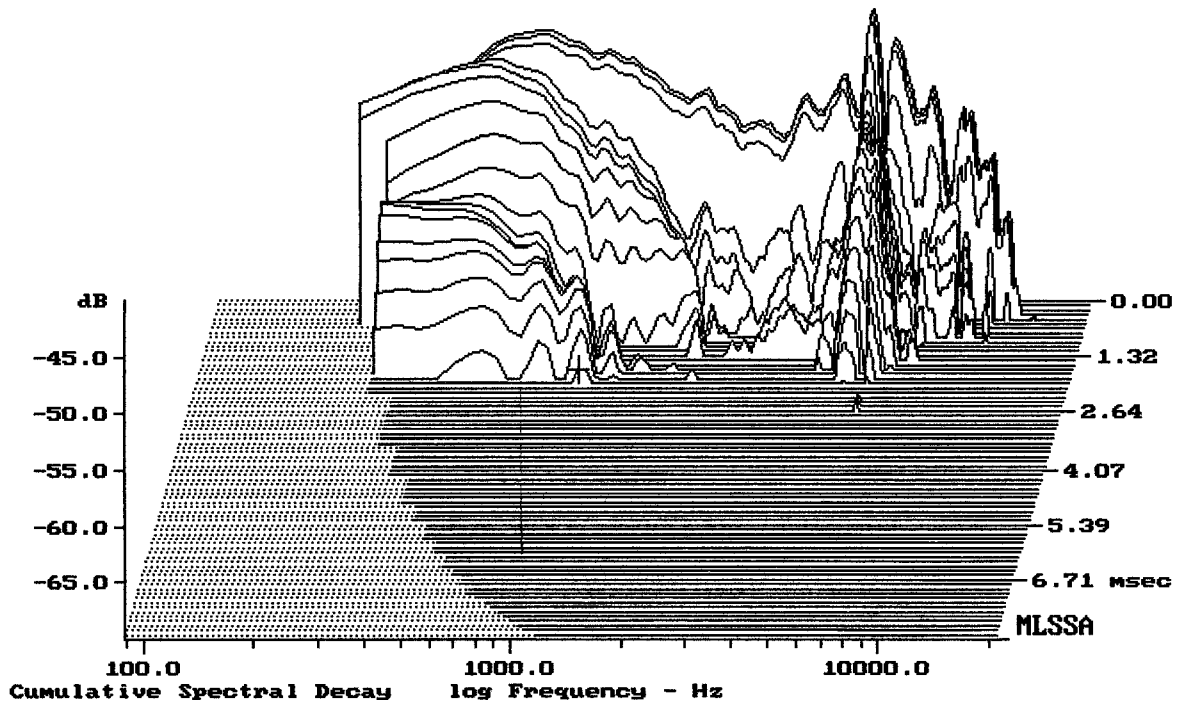
HD1531 HORN+DRIVER



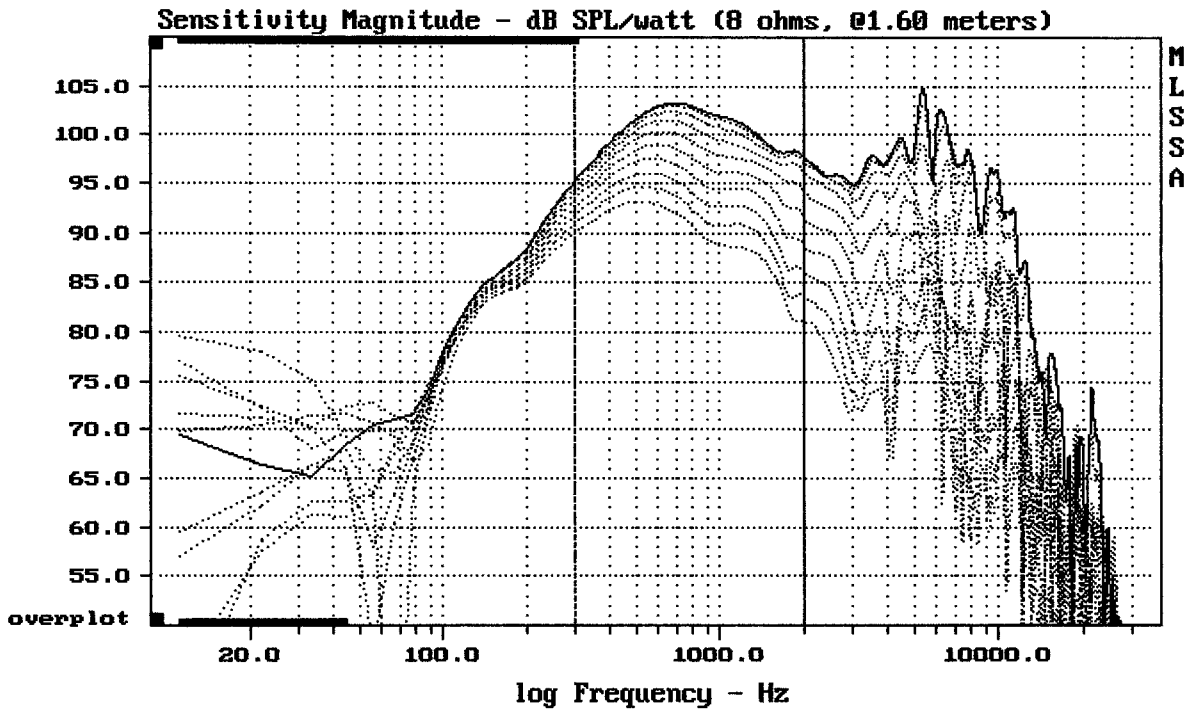
Level (300:1998 Hz) = 101.75 dB SPL/watt (8 ohms, @1.60 meters)

HD1531 HORN+DRIVER

MLSSA: Frequency Domain



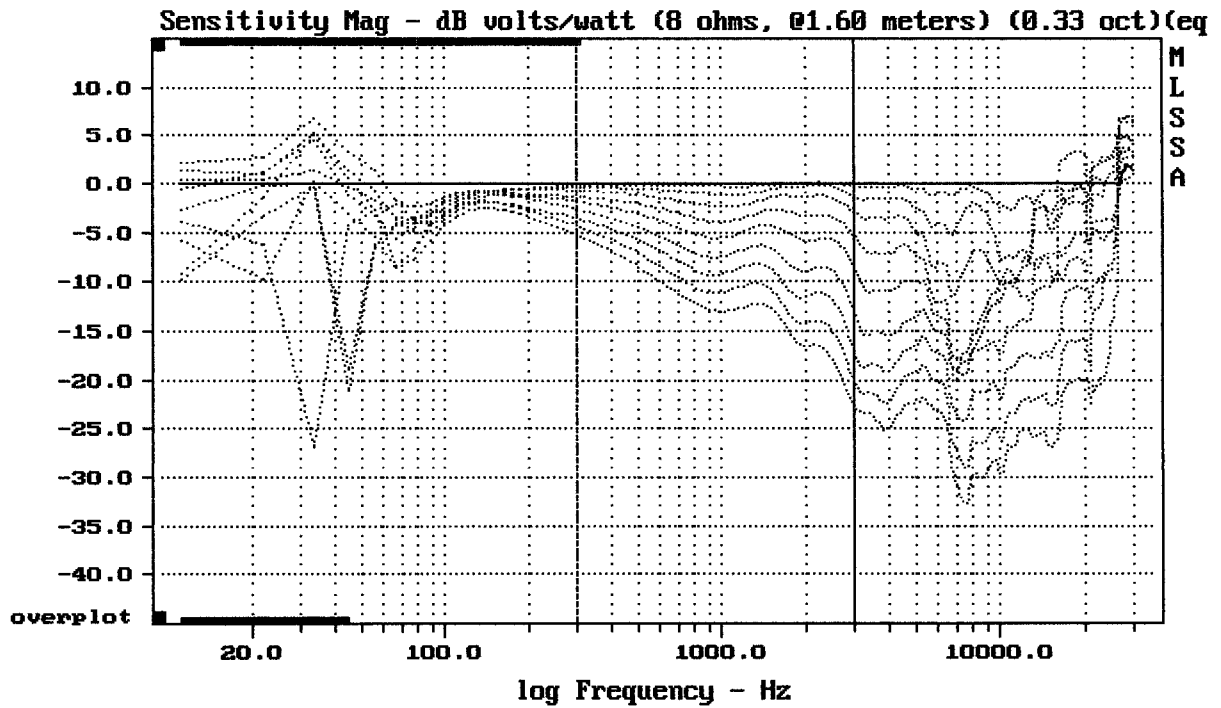
-68.74 dB, 977 Hz (22), 1.980 msec (19)



Overlay Compare: dev= +7.1/-4.8, std= 2.8, avg= -12

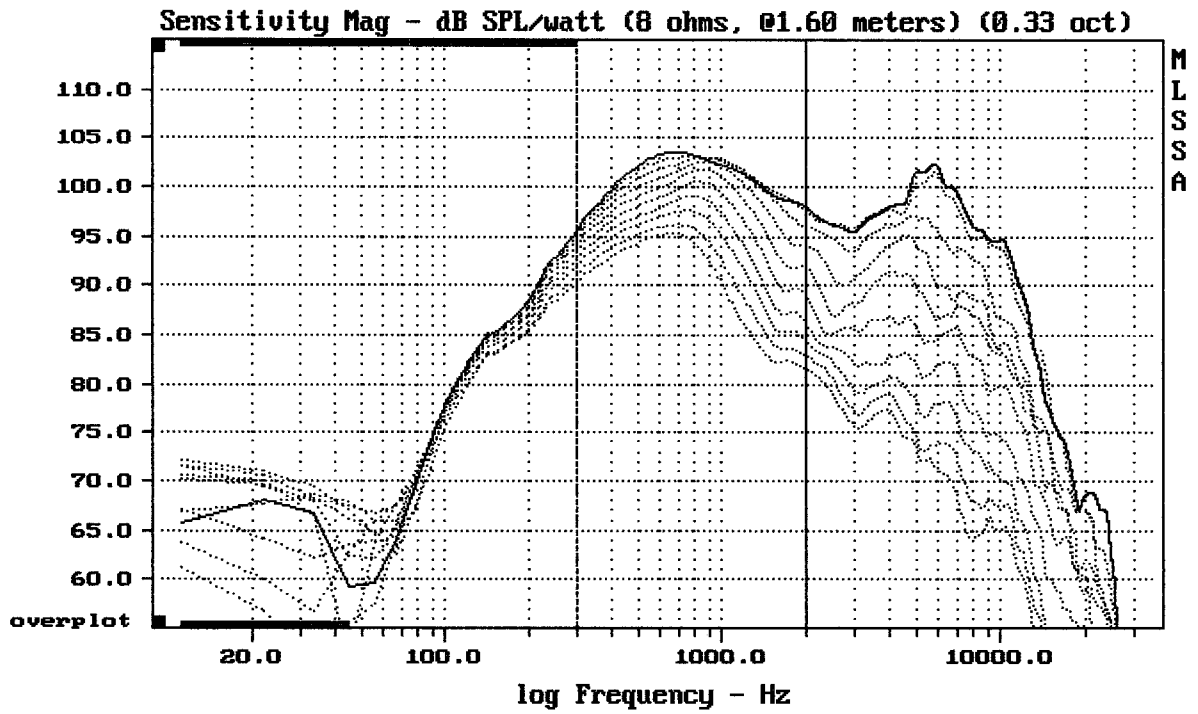
HD1531 HORN+DRIVER

MLSSA: Frequency Domain



Overlay Compare: dev= +9.3/-8, std= 3.9, avg= -15

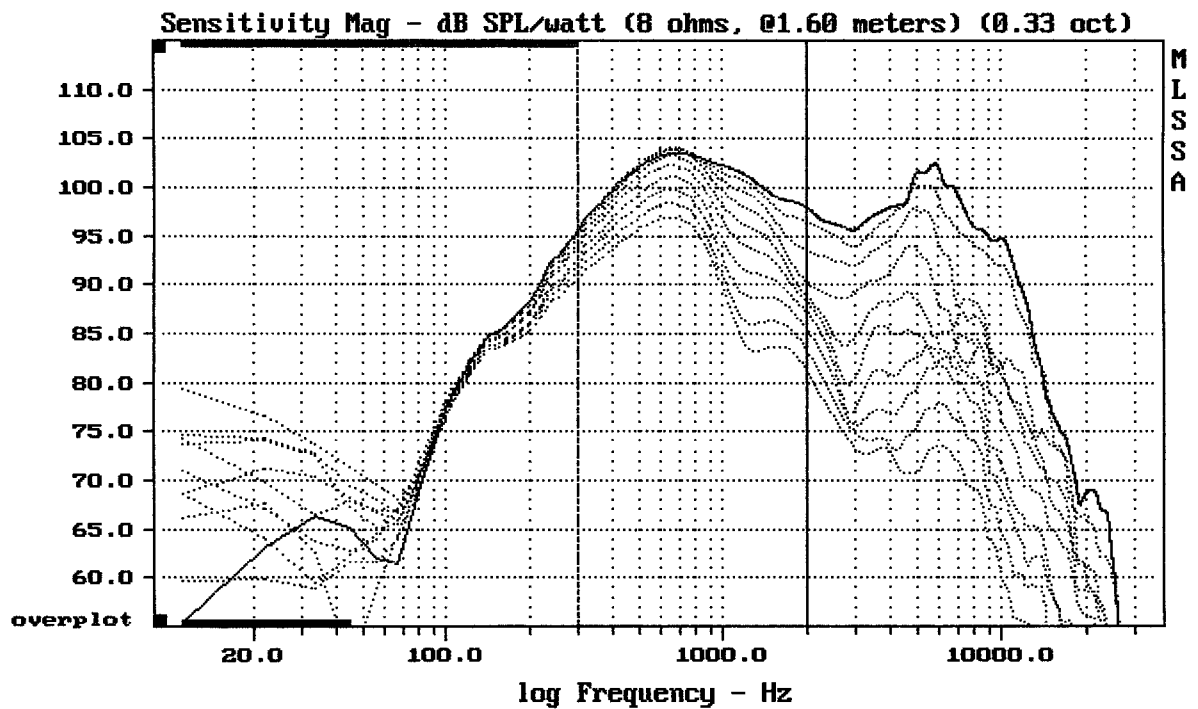
HD1531 HORN+DRIVER



Overlay Compare: dev= +7.5/-4, std= 3.9, avg= -13

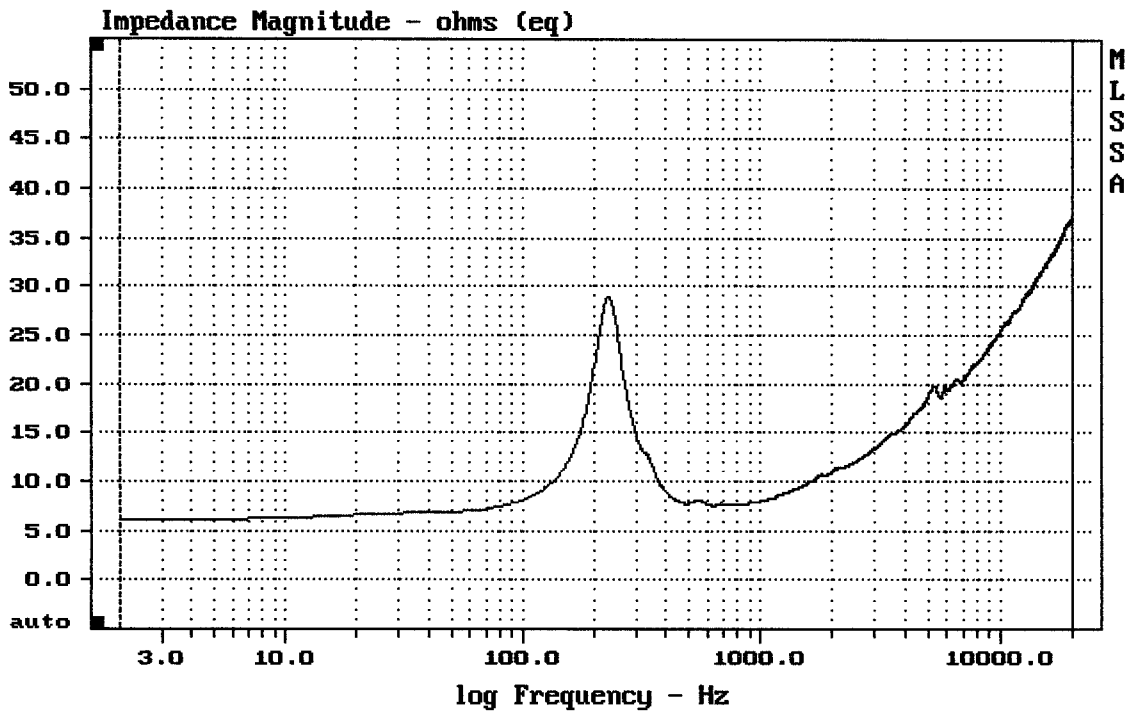
HD1531 HORN+DRIVER

MLSSA: Frequency Domain



Overlay Compare: dev= +7.5/-5.3, std= 4.5, avg= -12

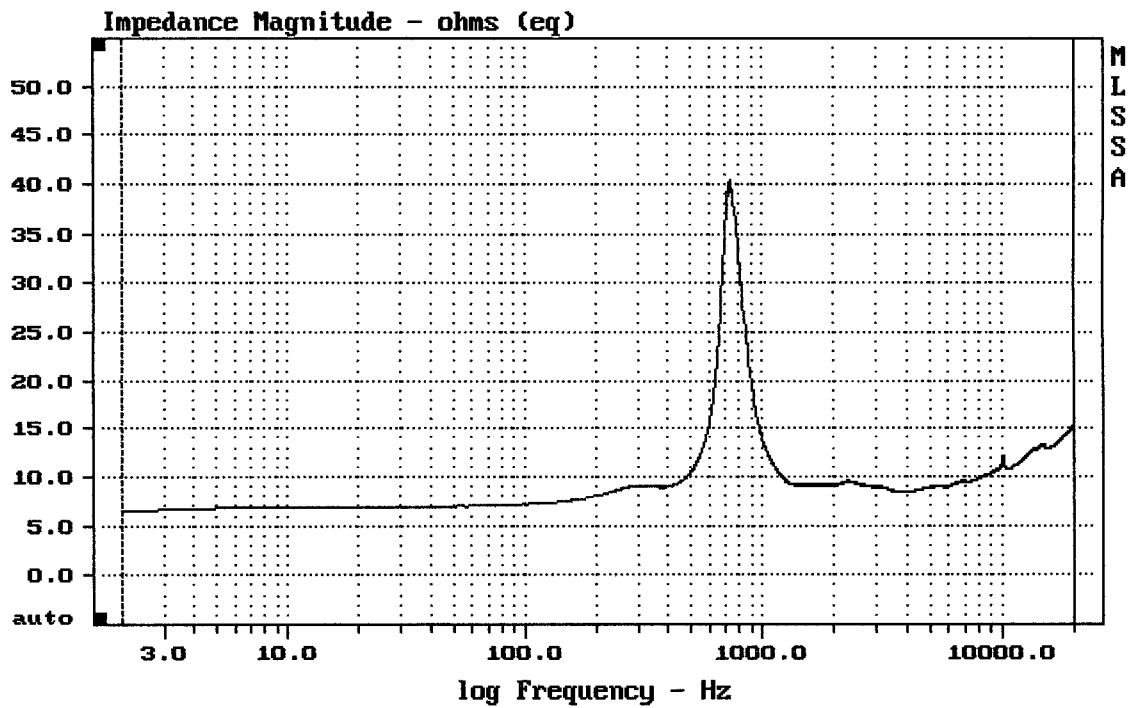
HD1531 HORN+DRIVER



mean: 24.33, rms: 25.76, std: 8.452, max: 37.22, min: 6.078

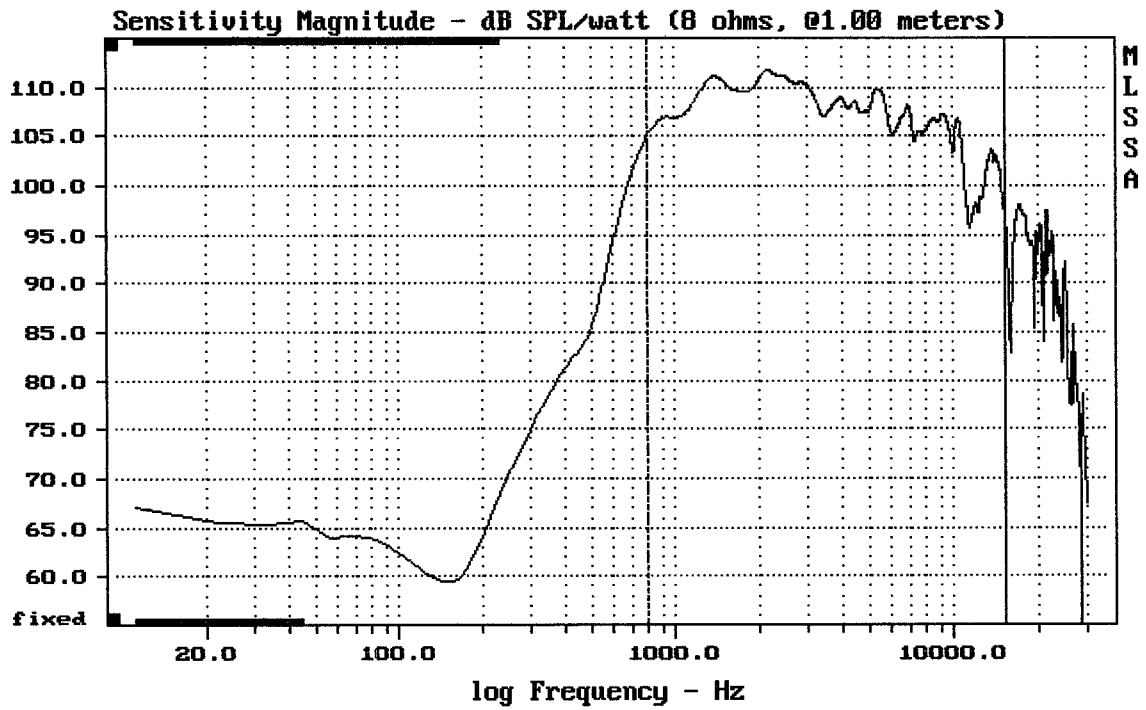
HD1531

MLSSA: Frequency Domain



mean: 11.5, rms: 11.92, std: 3.135, max: 40.33, min: 6.537

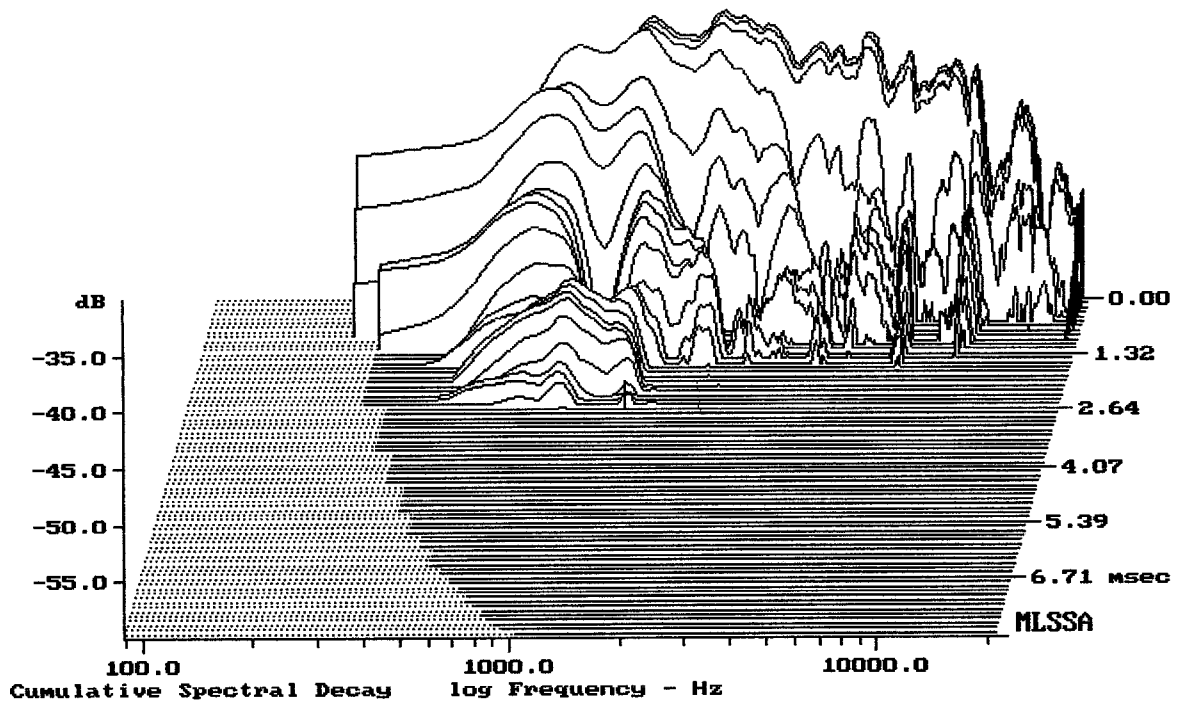
HD1531



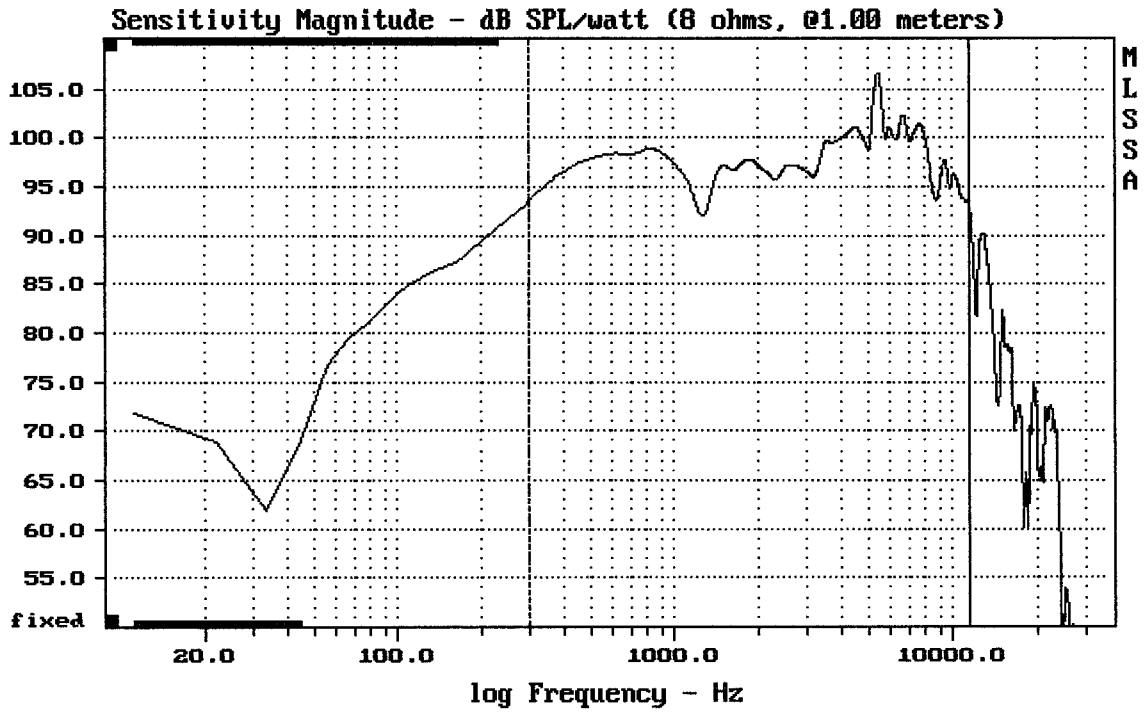
Level (799:15403 Hz) = 108.29 dB SPL/watt (8 ohms, @1.00 meters)

1" P/N 0025726 DC10/1801-8 FROM MACKIE HD1531 + A7570

MLSSA: Frequency Domain



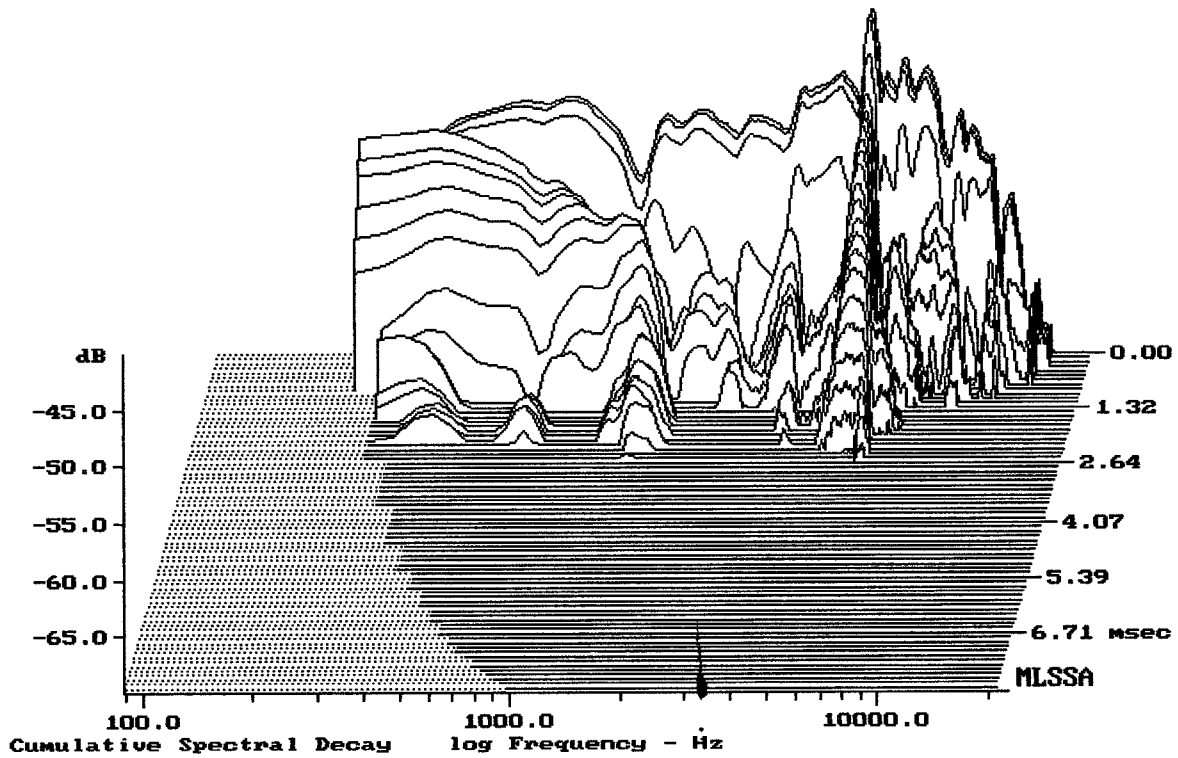
-59.09 dB, 1376 Hz (31), 2.530 msec (24)



Level (300:11500 Hz) = 98.37 dB SPL/watt (8 ohms, @1.00 meters)

6" P/N 0013896 LC06/2001-8 FROM MACKIE HD1531

MLSSA: Frequency Domain



-69.67 dB, 5682 Hz (128), 2.420 msec (23)

MLSSA SPO 4.0D #960903-3057-3075 for
 Measured Data QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.87	Ohms
2	Fs	139.41	Hz
3	Re	5.52	Ohms[dc]
4	Res	25.29	Ohms
5	Qms	1.95	
6	Qes	0.43	
7	Qts	0.35	
8	L1	1.06	mH
9	L2	-0.47	mH
10	R2	8.38	Ohms
11	RMSE-load	1.98	Ohms
12	Vas(Sd)	5.66	liters
13	Mms	6.62	grams
14	Cms	197	$\mu\text{M}/\text{Newton}$
15	B1	8.66	Tesla-M
16	SPLref(Sd)	97.4	dB[Re]
17	Rub-index	0.22	

Method: Mass-loaded (10.00 grams)

Area (Sd): 143.14 sq cm

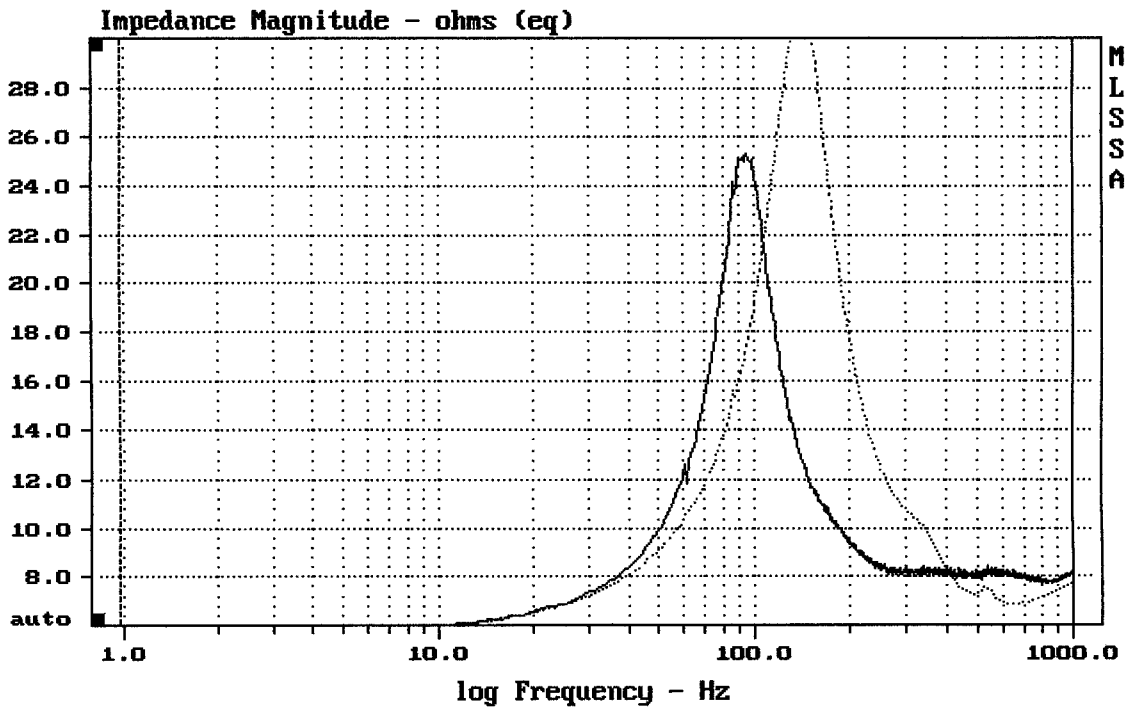
DCR mode: Measure (-0.14 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -34.3% (-20% to -50% is recommended).

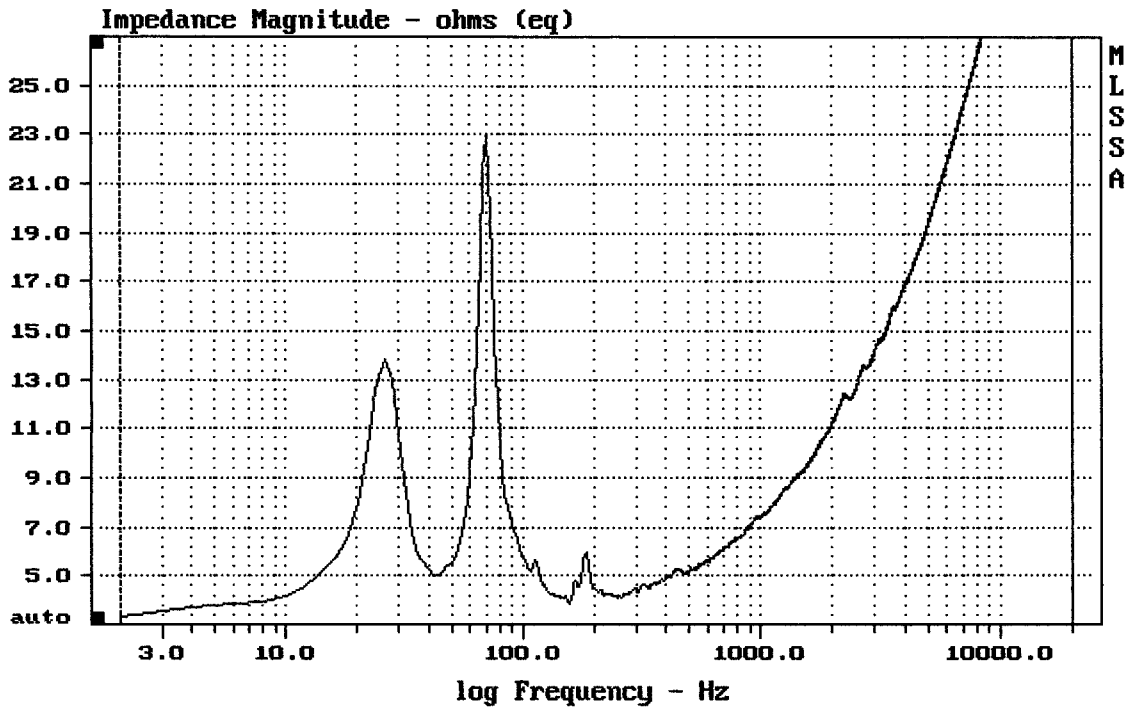
6" from HD1531

MLSSA: Parameters



mean: 10.19, rms: 11.68, std: 5.707, max: 31.34, min: 5.69

MLSSA: Frequency Domain

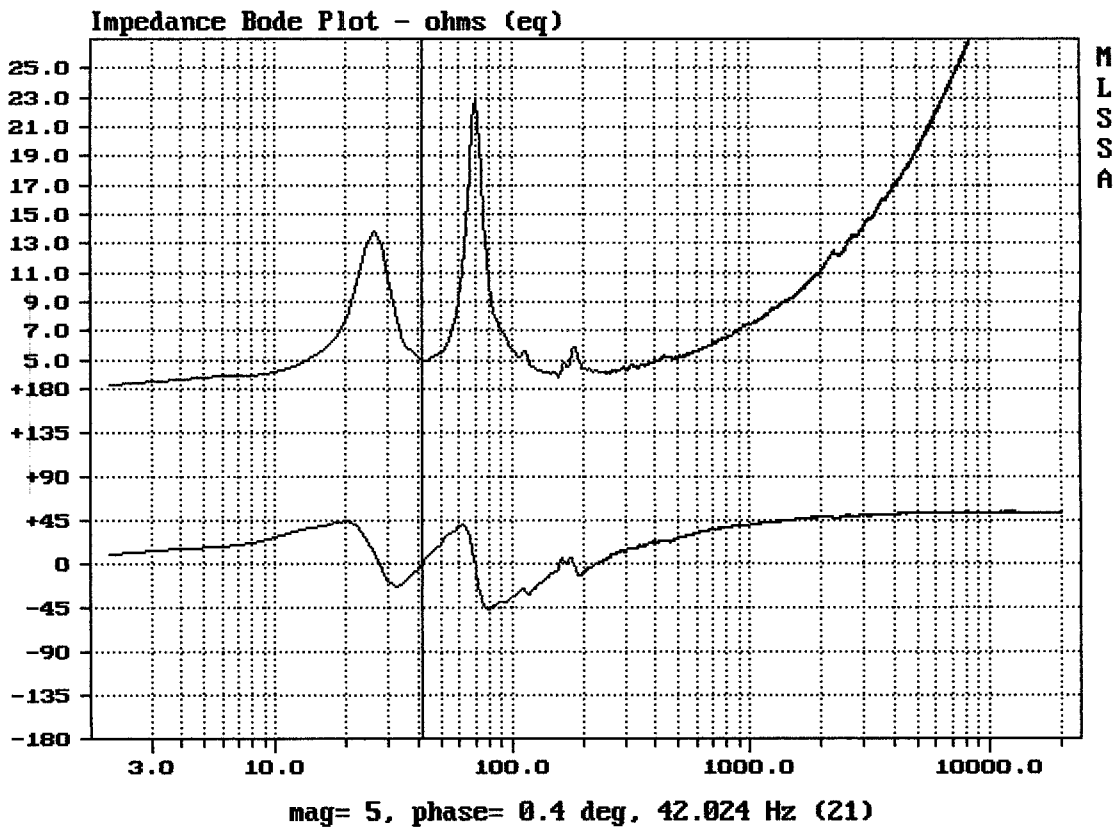


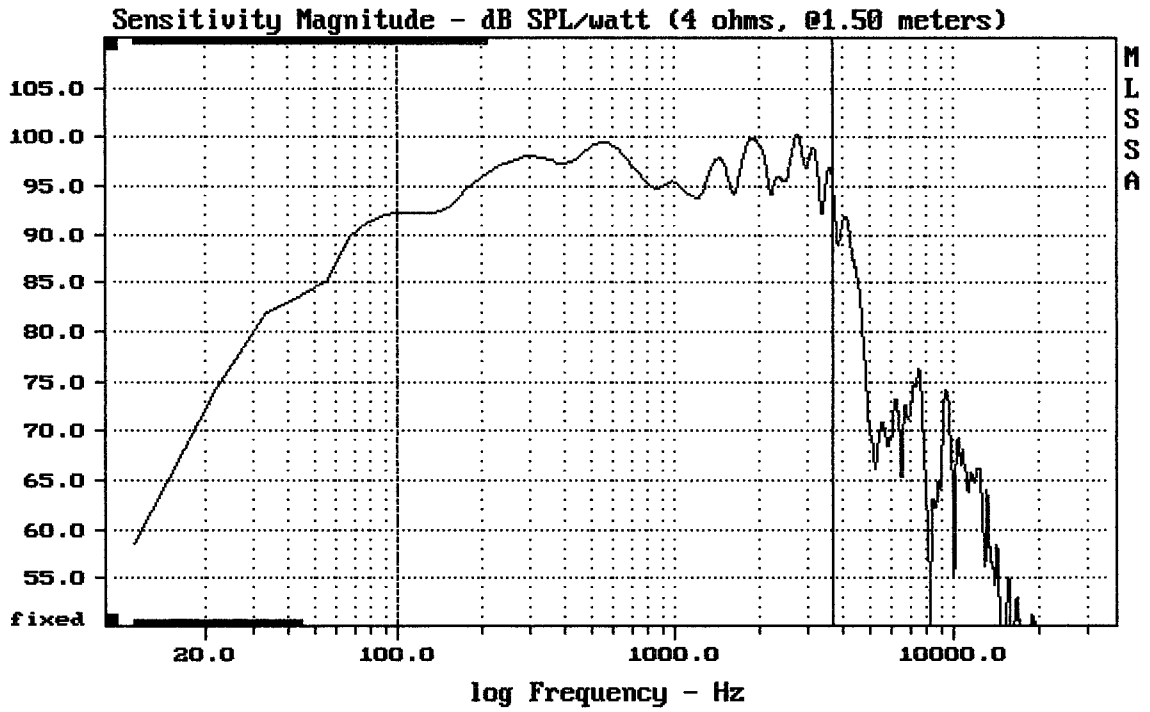
mean: 28.58, rms: 30.88, std: 11.68, max: 46.52, min: 3.307

HD1531

8-7-89 9:02 PM

MLSSA: Frequency Domain

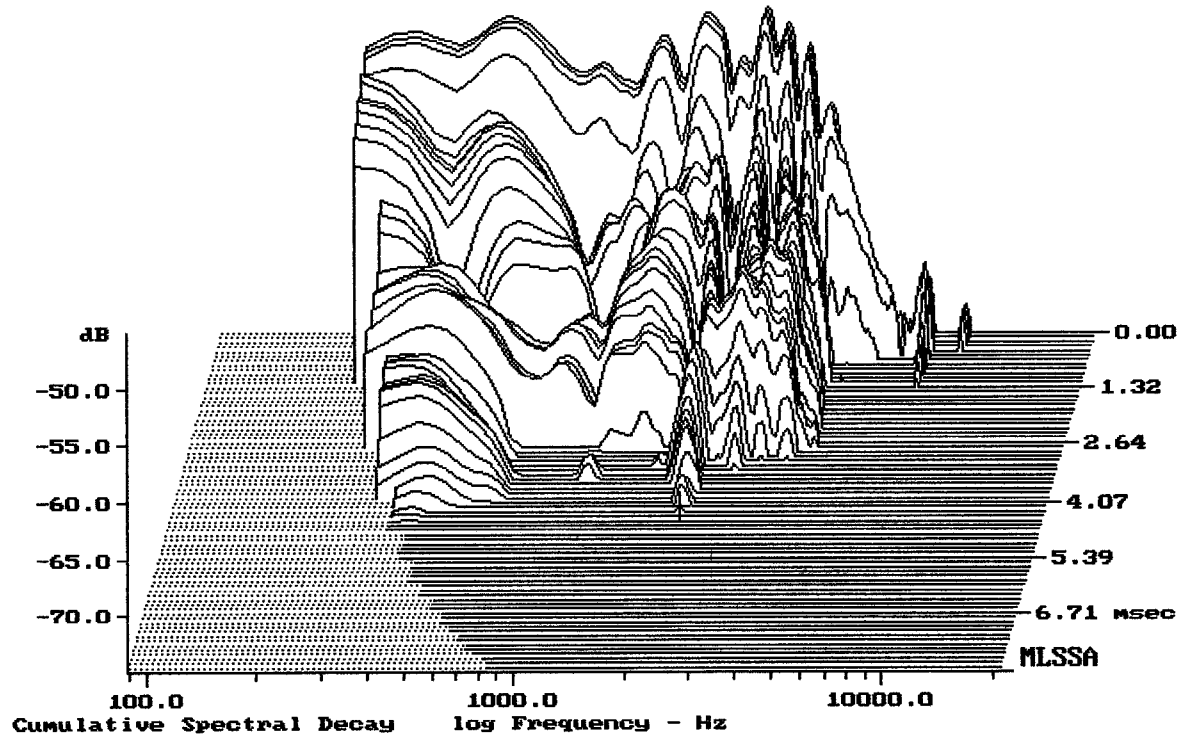




Level (100:3706 Hz) = 96.76 dB SPL/watt (4 ohms, @1.50 meters)

15" P/N 0029680 LN153002-4 FROM MACKIE HD1531

MLSSA: Frequency Domain



-74.51 dB, 2131 Hz (48), 4.290 msec (40)

MLSSA SFO 4.0D #960903-3057-3075 for
 Measured Data QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.42	Ohms
2	Fs	45.90	Hz
3	Re	3.20	Ohms[dc]
4	Res	54.96	Ohms
5	Qms	7.79	
6	Qes	0.45	
7	Qts	0.43	
8	L1	0.51	mH
9	L2	0.70	mH
10	R2	3.91	Ohms
11	RMSE-load	0.35	Ohms
12	Vas(Sd)	131.36	liters
13	Mms	94.04	grams
14	Cms	128	$\mu\text{M}/\text{Newton}$
15	B1	13.83	Tesla-M
16	SPLref(Sd)	96.3	dB[Re]
17	Rub-index	0.02	

Method: Mass-loaded (80.00 grams)

Area (Sd): 855.30 sq cm

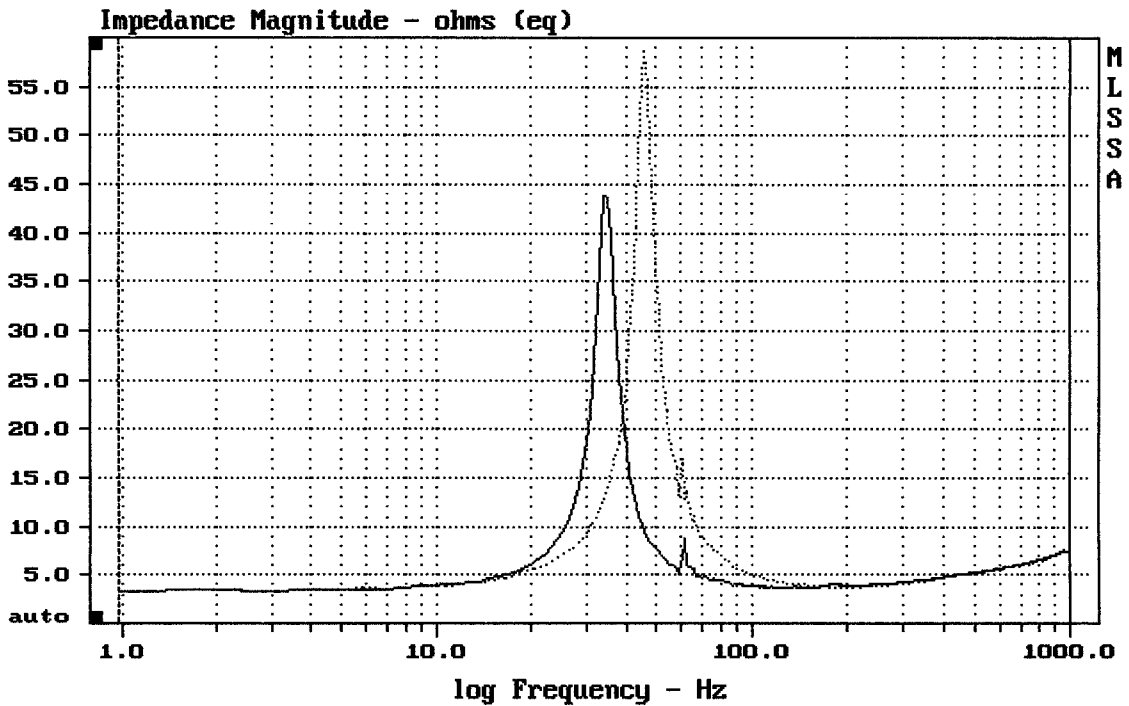
DCR mode: Measure (-0.14 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -24.7% (-20% to -50% is recommended).

15" FROM HD1531

MLSSA: Parameters



mean: 6.142, rms: 7.665, std: 4.586, max: 58.6, min: 3.319

MLSSA: Frequency Domain