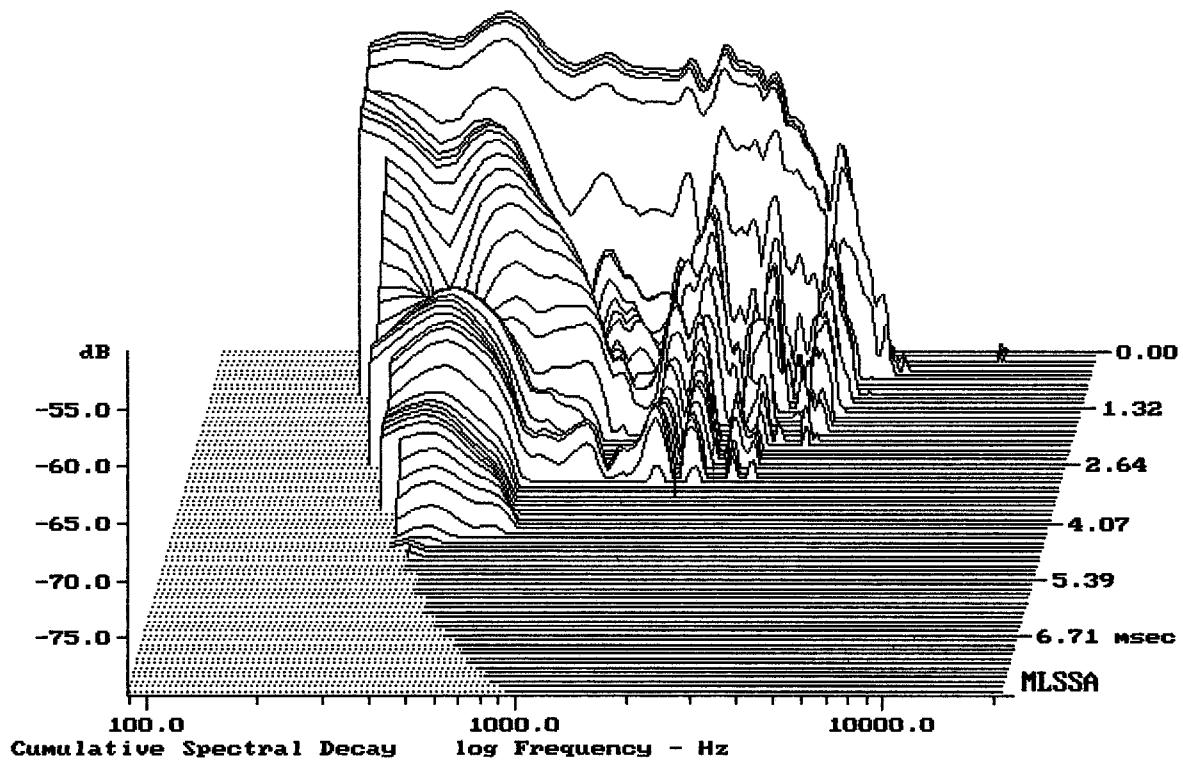


Level (100:2500 Hz) = 96.03 dB SPL/watt (8 ohms, @1.50 meters)

SOVEREIGN 15-500

MLSSA: Frequency Domain



-80.00 dB, 1864 Hz (42), 3.080 msec (29)

Measured Data

QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.48	Ohms
2	Fs	36.97	Hz
3	Re	5.30	Ohms[dc]
4	Res	128.91	Ohms
5	Qms	8.85	
6	Qes	0.36	
7	Qts	0.35	
8	L1	1.26	mH
9	L2	1.77	mH
10	R2	5.85	Ohms
11	RMSE-load	0.52	Ohms
12	Vas(Sd)	247.61	liters
13	Mms	76.89	grams
14	Cms	241	$\mu\text{M}/\text{Newton}$
15	Bl	16.13	Tesla-M
16	SPLref(Sd)	97.2	dB[Re]
17	Rub-index	0.00	

Method: Mass-loaded (60.00 grams)

Area (Sd): 855.30 sq cm

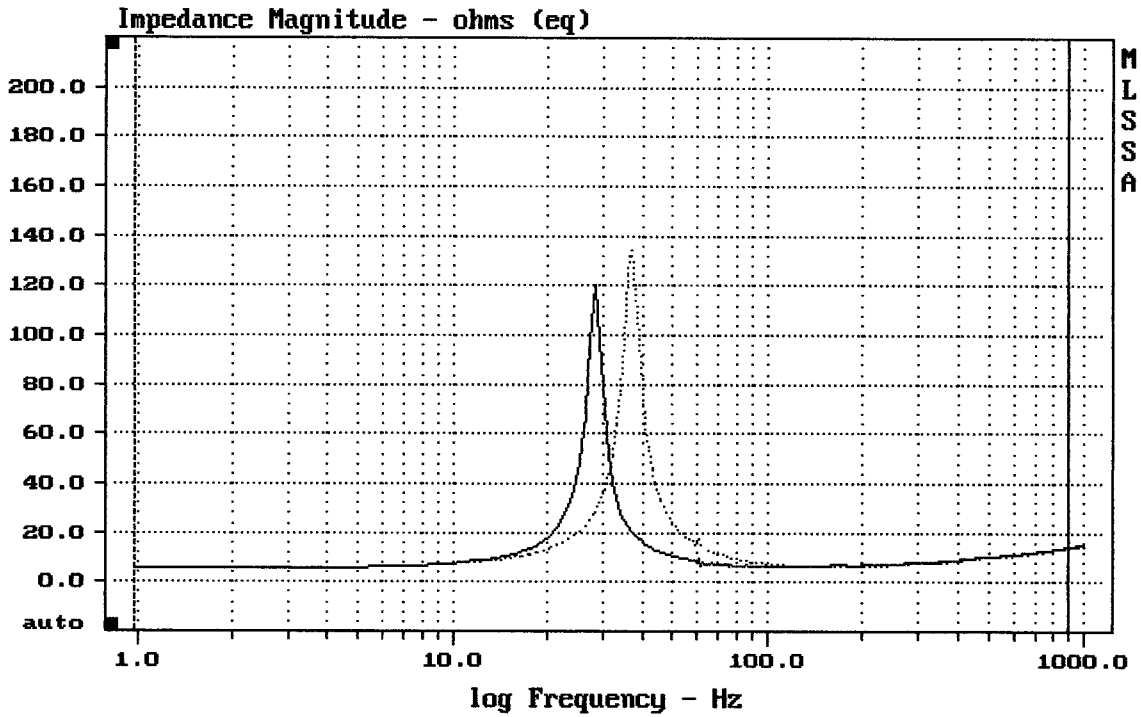
DCR mode: Measure (-0.13 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -23.6% (-20% to -50% is recommended).

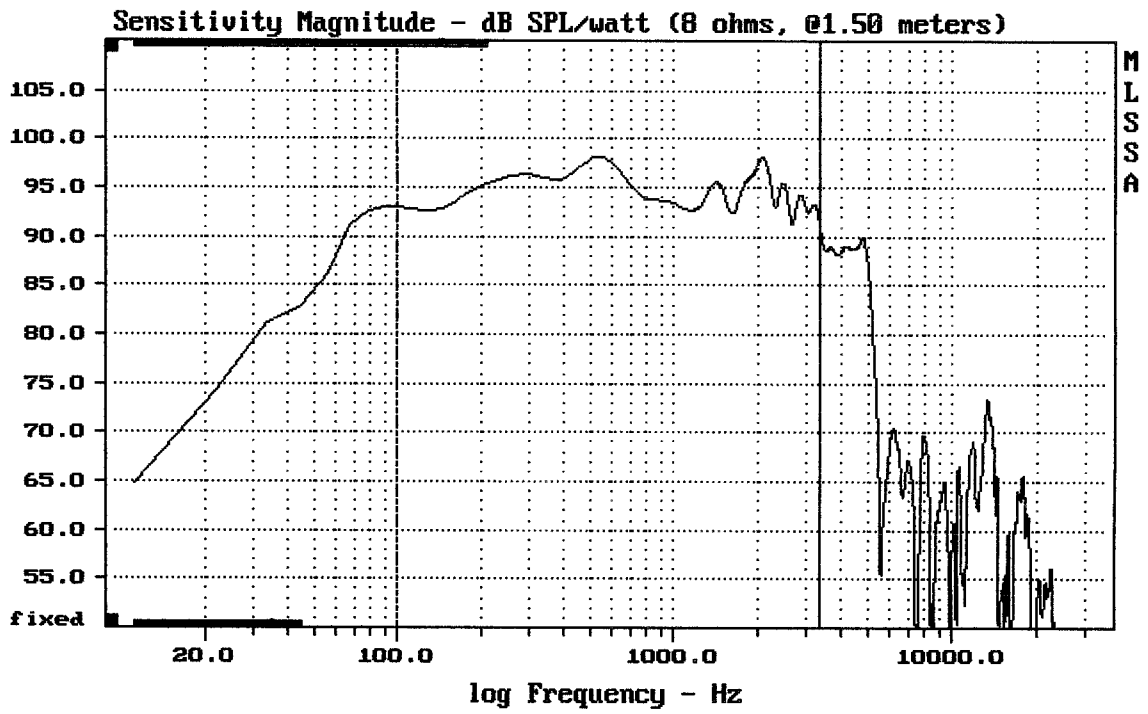
SOVEREIGN 15-500

MLSSA: Parameters



mean: 11.25, rms: 14.87, std: 9.714, max: 134.6, min: 5.42

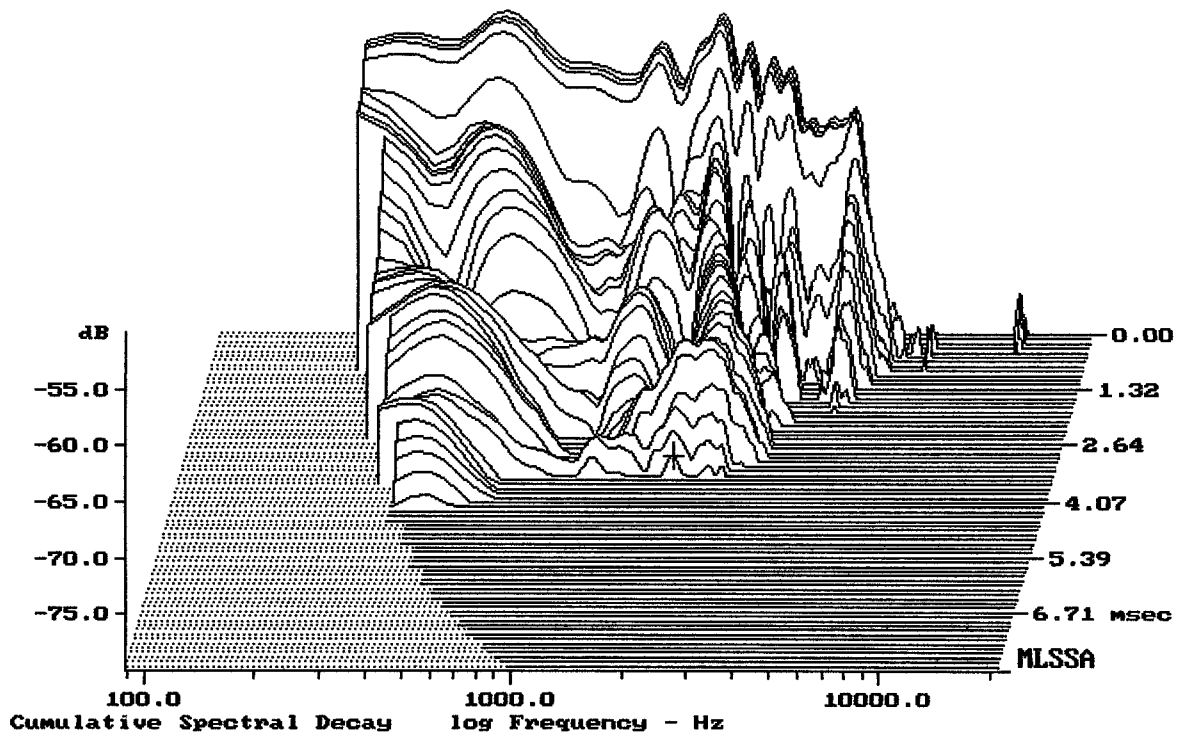
MLSSA: Frequency Domain



Level (100:3351 Hz) = 95.12 dB SPL/watt (8 ohms, @1.50 meters)

SOVEREIGN 15-500

MLSSA: Frequency Domain



-78.20 dB, 1953 Hz (44), 3.410 msec (32)

Measured Data

QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.44	Ohms
2	Fs	41.66	Hz
3	Re	5.25	Ohms[dc]
4	Res	77.34	Ohms
5	Qms	7.42	
6	Qes	0.50	
7	Qts	0.47	
8	L1	1.10	mH
9	L2	1.49	mH
10	R2	6.10	Ohms
11	RMSE-load	0.39	Ohms
12	Vas(Sd)	163.93	liters
13	Mms	91.47	grams
14	Cms	160	$\mu\text{M}/\text{Newton}$
15	B1	15.79	Tesla-M
16	SPLref(Sd)	95.5	dB[Re]
17	Rub-index	0.01	

Method: Mass-loaded (80.00 grams)

Area (Sd): 855.30 sq cm

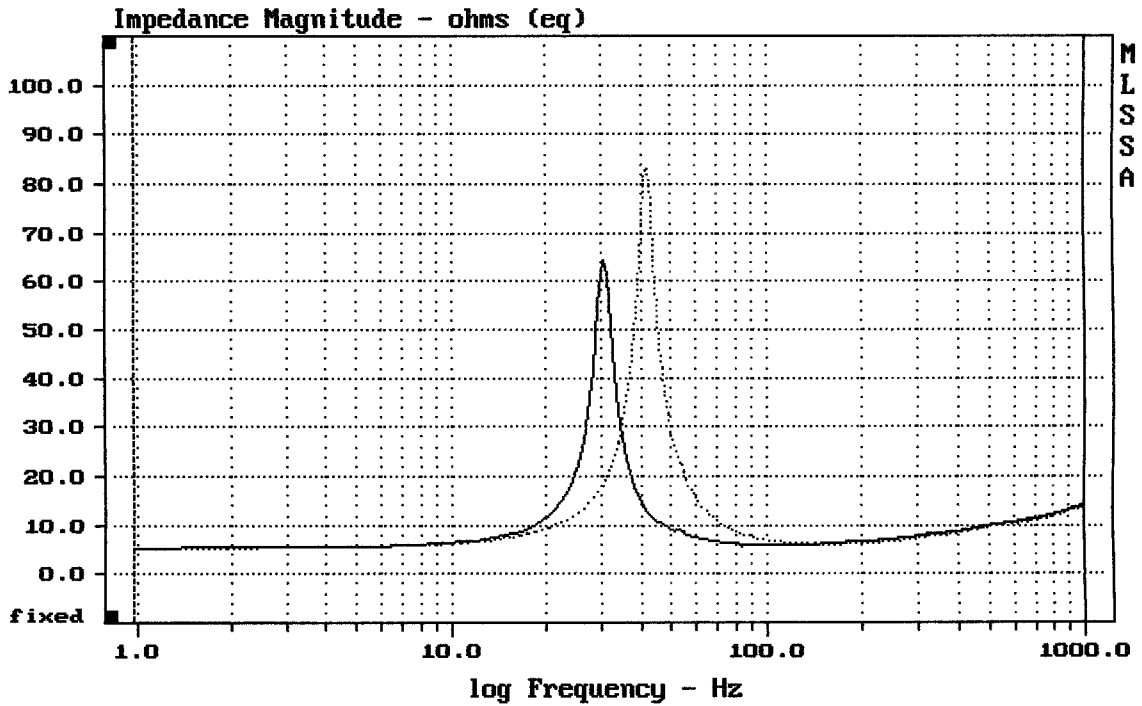
DCR mode: Measure (-0.07 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -26.7% (-20% to -50% is recommended).

SOVEREIGN 15-500

MLSSA: Parameters



mean: 10.56, rms: 12.29, std: 6.299, max: 83.01, min: 5.287

MLSSA: Frequency Domain