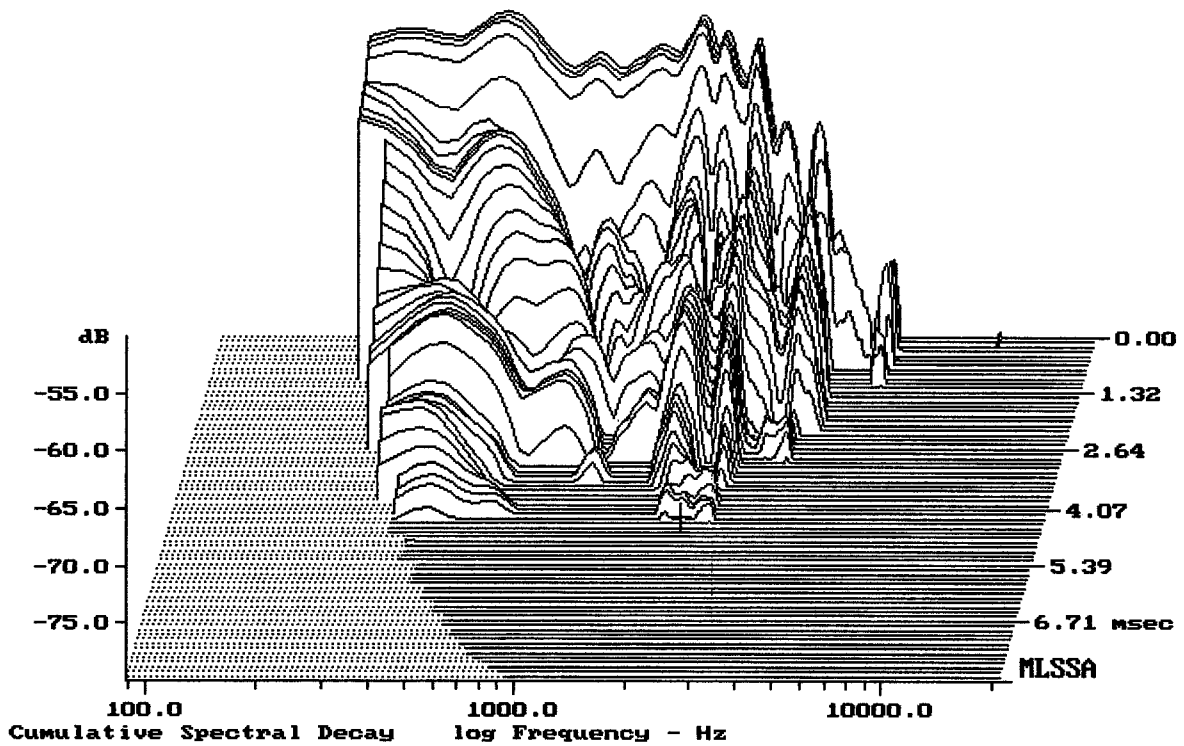


Level (100:2708 Hz) = 95.36 dB SPL/watt (8 ohms, @1.50 meters)

SOVEREIGN 15-600LF

7-9-89 6:57 PM

MLSSA: Frequency Domain



-79.88 dB, 2131 Hz (48), 4.290 msec (40)

MLSSA SPO 4.0D #960903-3057-3075 for Jiri Komon

Measured Data

QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.39	Ohms
2	Fs	35.29	Hz
3	Re	5.51	Ohms[dc]
4	Res	103.62	Ohms
5	Qms	7.94	
6	Qes	0.42	
7	Qts	0.40	
8	L1	1.08	mH
9	L2	1.49	mH
10	R2	4.78	Ohms
11	RMSE-load	0.39	Ohms
12	Vas(Sd)	256.75	liters
13	Mms	81.39	grams
14	Cms	250	$\mu\text{M}/\text{Newton}$
15	B1	15.35	Tesla-M
16	SPLref(Sd)	96.1	dB[Re]
17	Rub-index	0.01	

Method: Mass-loaded (60.00 grams)

Area (Sd): 855.30 sq cm

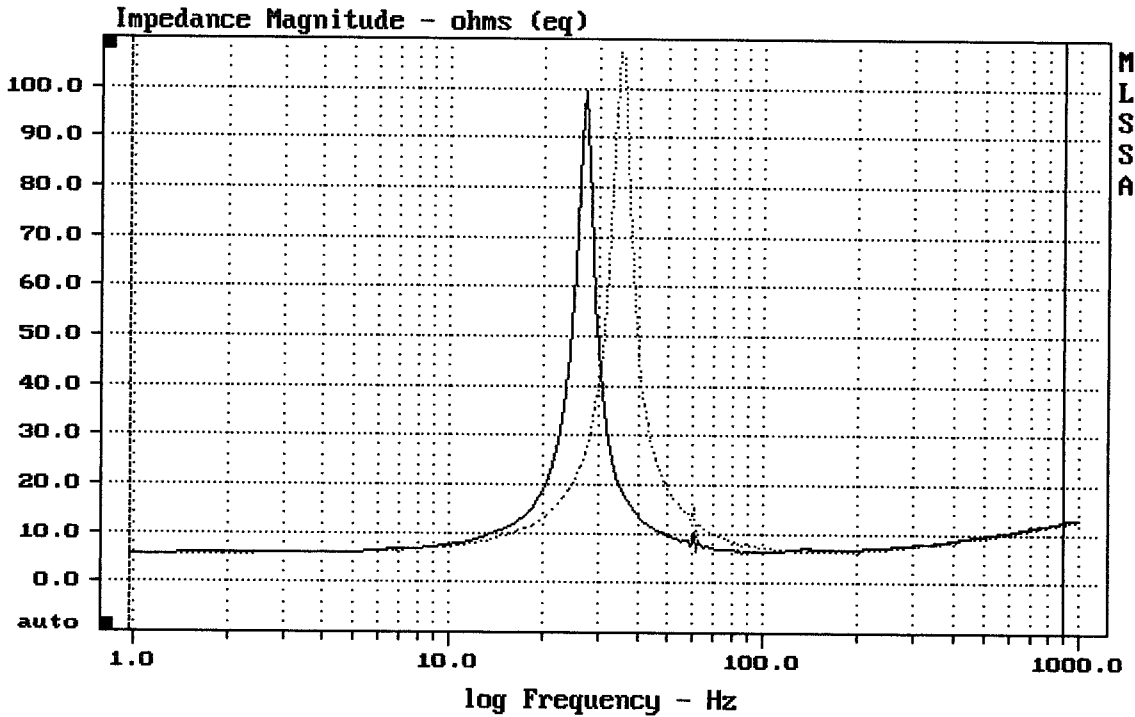
DCR mode: Measure (-0.13 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -23.3% (-20% to -50% is recommended).

SOVEREIGN 15-600LF

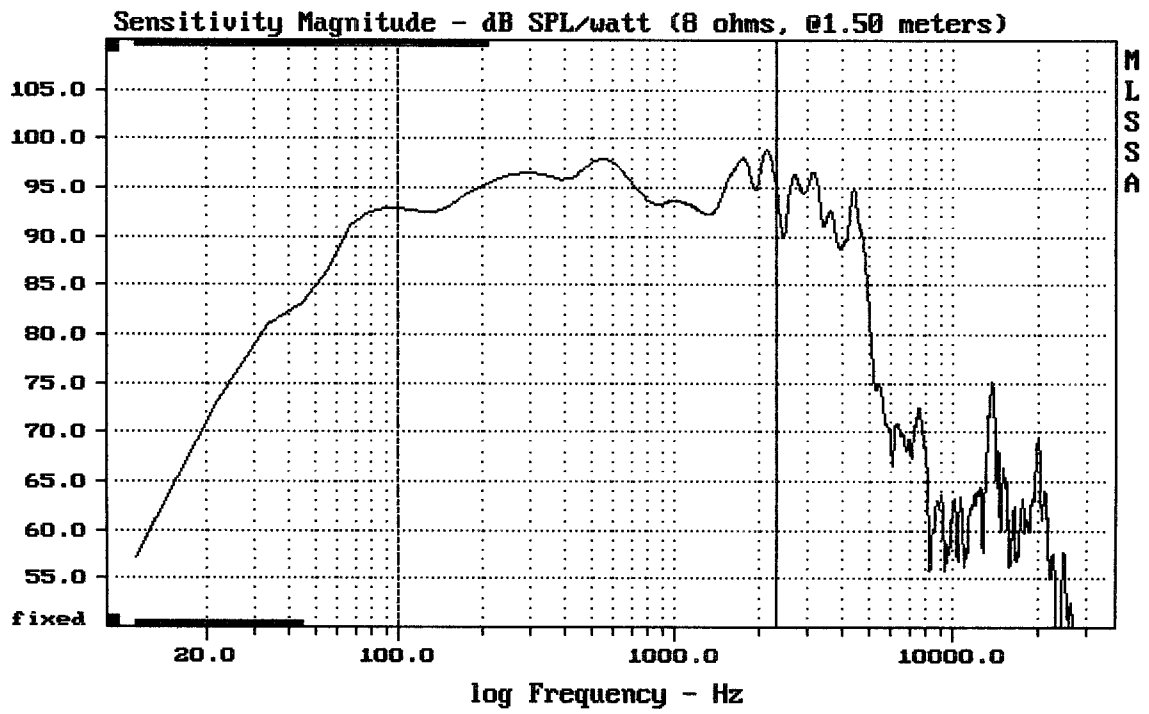
MLSSA: Parameters



mean: 10.33, rms: 13.05, std: 7.979, max: 107.2, min: 5.646

7-8-89 2:14 AM

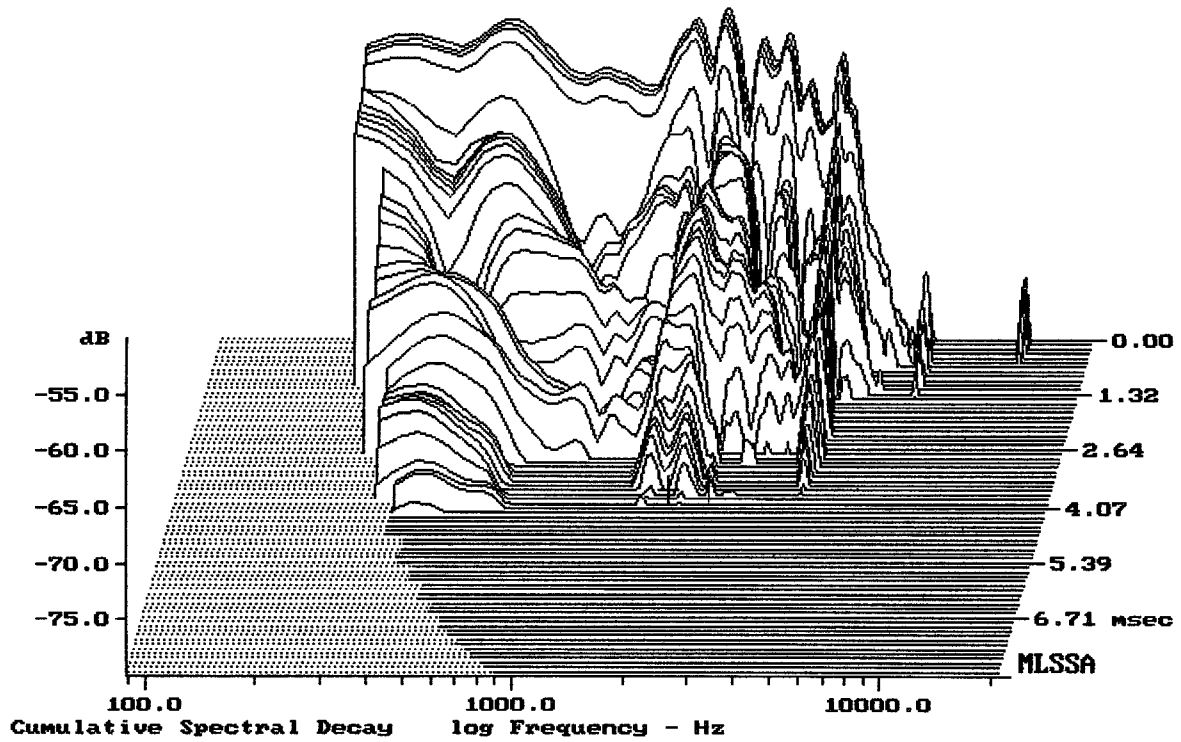
MLSSA: Frequency Domain



Level (100:2330 Hz) = 95.41 dB SPL/watt (8 ohms, @1.50 meters)

SOVEREIGN 15-600LF

MLSSA: Frequency Domain



-79.93 dB, 1909 Hz (43), 3.630 msec (34)

Measured Data

QC Limits

Line	Parameter	Value	Units
1	RMSE-free	0.57	Ohms
2	Fs	45.93	Hz
3	Re	5.59	Ohms[dc]
4	Res	89.41	Ohms
5	Qms	9.22	
6	Qes	0.58	
7	Qts	0.54	
8	L1	0.97	mH
9	L2	1.14	mH
10	R2	5.96	Ohms
11	RMSE-load	0.37	Ohms
12	Vas(Sd)	134.59	liters
13	Mms	91.68	grams
14	Cms	131	μ M/Newton
15	B1	16.02	Tesla-M
16	SPLref(Sd)	95.4	dB[Re]
17	Rub-index	0.01	

Method: Mass-loaded (80.00 grams)

Area (Sd): 855.30 sq cm

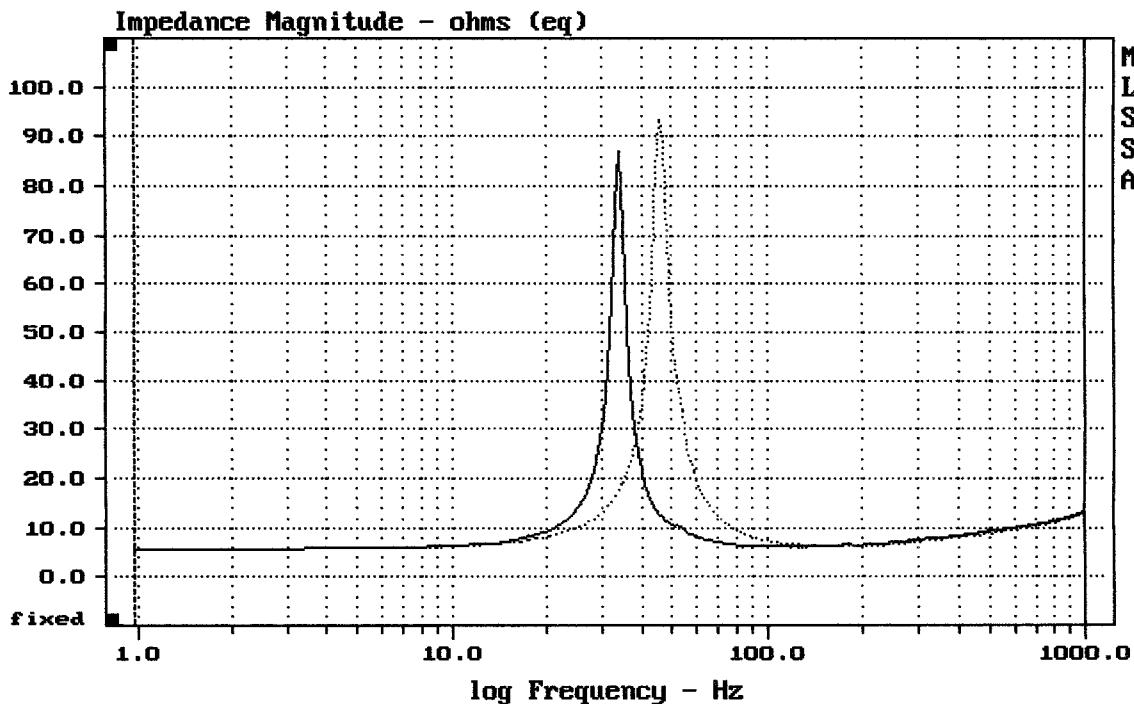
DCR mode: Measure (-0.07 ohms)

QC file: CLOSED

Analysis successful. Shift in Fs = -26.1% (-20% to -50% is recommended).

SOVEREIGN 15-600LF

MLSSA: Parameters



mean: 10.19, rms: 12.33, std: 6.933, max: 93.09, min: 5.662

MLSSA: Frequency Domain