

Forum

What's New?

Main Website

Library

Photo Gallery

New Posts

Private Messages

FAQ

Calendar

Community

Forum Actions

Quick Links

Advanced Search

Forum

Technical Reference

Read Only

General

The LE5 Matrix

The Lansing Heritage Forum is joining the Audiokarma family. Not to fear, we are not looking to make a lot of changes. We will be moving the site to a better server and are working to fix issues both within the forums and on the server side. These changes will help preserve and protect the incredible heritage contained in these pages. Don is still around, as we strive to continue what he started and what the members have help build.

If you wish to donate anything, send it to sales@audiokarma.org via PayPal and put Audio Heritage or LHF in the subject line. Thank you

Results 1 to 6 of 6

Thread: **The LE5 Matrix**

Thread Tools Search Thread Display

05-01-2005, 02:07 AM

#1

Techbot

Senior Member

Join Date: Aug 2004

Location: Lansing Heritage

Posts: 681

The LE5 Matrix

As requested:

Attached Images

model	case	name	voice coil	magnetic assembly	flux	SPL	frame	connectors	systems
LE5-2	CIRPLE62	54721	inverted paper	0.875 copper	2.75 alnico	16500	95	silver push	L8P L100 L88P-A L100A L100ALM
2105	CIRPLE59	54721	inverted paper	0.875 edgewound copper ribbon	2.75 alnico	16500	95	silver push	4310 (B6) 4311 4315 4315A
2105H	CIRPLE59	51868	aluminum	0.875 edgewound copper ribbon	1.625 ferrite	13500	84	silver push	4315B
LE5H	CIRPLE59	51868	aluminum	0.875 edgewound copper ribbon	1.625 ferrite	13500	84	silver push	521
LE5-3	CIRPLE59	51868	inverted aluminum	0.875 edgewound copper ribbon	2.75 alnico	16500	95		L71 L71A S105
LE5-4	CIRPLE59	54721	inverted paper	0.875 edgewound copper ribbon	1.625 ferrite	13500	84	silver rnf fraction	L45B L65A L66 L65A L66B
LE5-8	CIRPLE59	51868	aluminum	0.875 edgewound copper ribbon	1.625 ferrite	13500	84	silver rnf fraction	L712 L220 L212C L225A L225A 4313B
LE5-11	CIRPLE59	51868	aluminum	0.875 edgewound copper ribbon	1.625 ferrite	13500	84	black rnf fraction	L200
LE5-8	CIRPLE10	51868	aluminum	0.875 copper	1.625 ferrite	13500	91	black rnf fraction	L36 L36A L120 L120A
LE5-8	CIRPLE10	51868	aluminum	0.875 copper	1.625 ferrite	13500	91	silver rnf fraction	L168 L168A
LE5-10	CIRPLE10	51868	aluminum	0.875 copper	1.625 ferrite	13500	91	black rnf fraction	4311B L60 L60A L110 L110A L112 L115A
LE5-12	CIRPLE10	51868	aluminum	0.875 copper	1.625 ferrite	13500	91	silver rnf fraction	4312 L86 L86 L112 L150A L150A-B

05-17-2005, 05:20 PM

#2

Techbot

Senior Member

Join Date: Aug 2004

Location: Lansing Heritage

Posts: 681

The following information is courtesy of JBL -

NOTES:

The Alnico LE5-2 and LE5-3

For reasons not very well understood, there are two versions of the LE5-2, the round wire version and the ribbon wire version. Just knowing the model number doesn't help. Later versions of the LE5-2 were round wire only and the LE5-3 became the ribbon wire version. The Alnico motors had a .080 gap height and a flux density of 1.65 T.

The Ferrites

The ferrite motors had a .140 gap height and a flux density of 1.35 T.

Gerald

All the LE5's used the same cone and spider. Dust domes were either paper or aluminum. The voice coils were either ribbon or round and all of them had a .125 voice coil height. The odd model numbers used the ribbon voice coil, were more efficient and had a more level curve good to ~ 8 to 10 kHz. The even model numbers used the round voice coil, had more of a rising response and were good to ~ 16 kHz.

05-17-2005, 05:42 PM

#3

Techbot

Senior Member

Join Date: Aug 2004

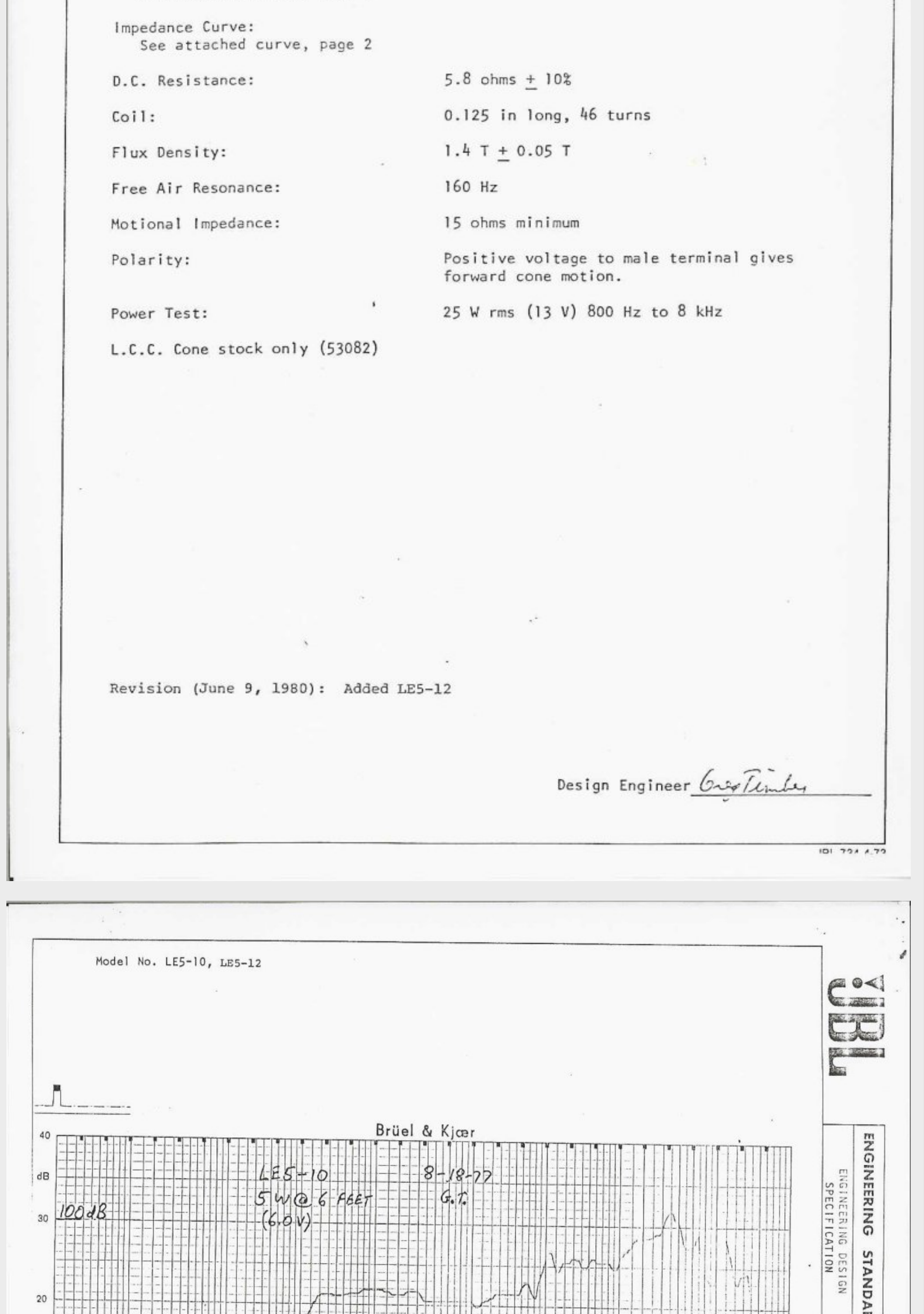
Location: Lansing Heritage

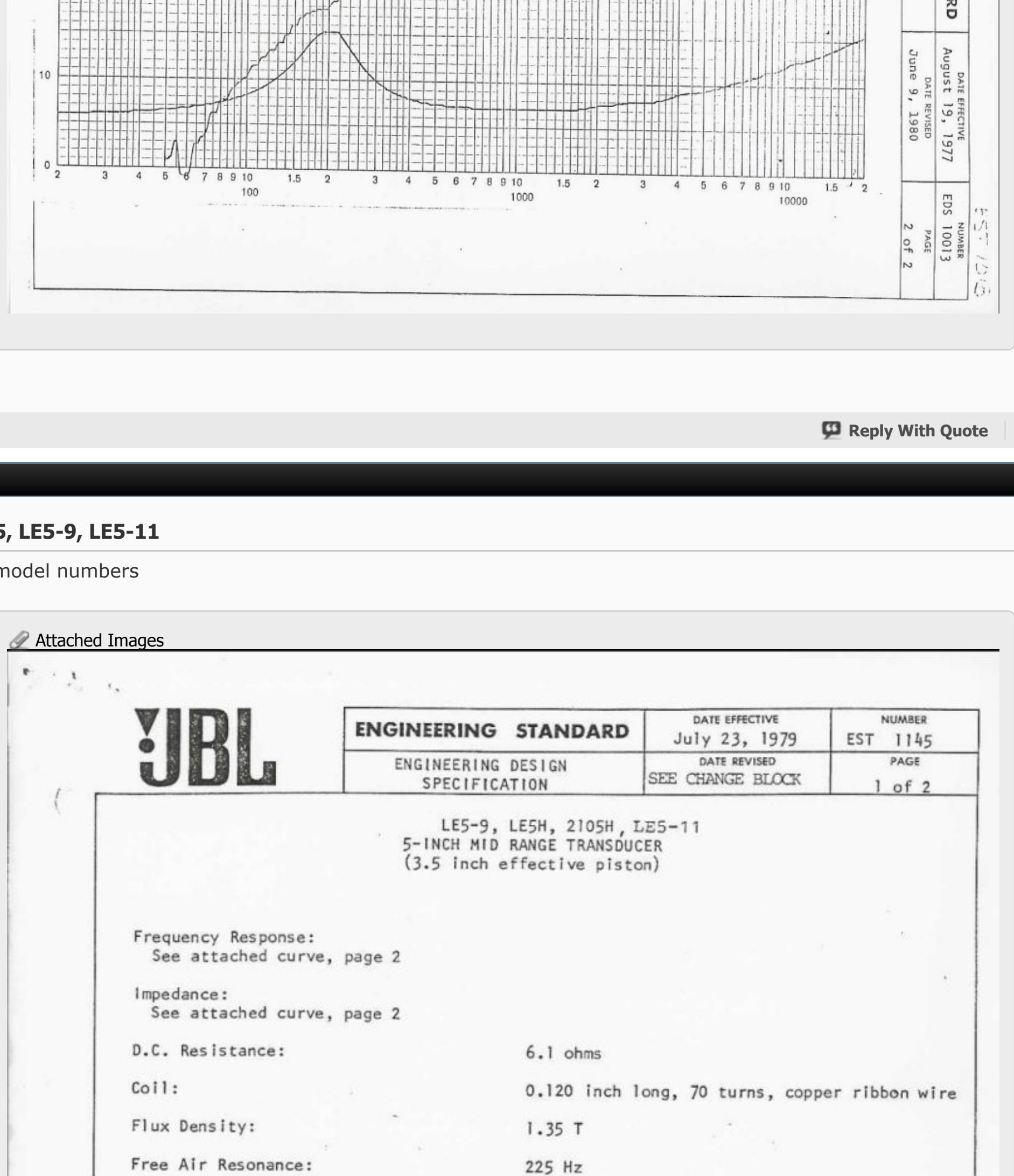
Posts: 681

LE5-6, LE5-8, LE5-10, LE5-12

Even model numbers

Attached Images





05-17-2005, 05:45 PM

#4

Techbot

Senior Member

Join Date: Aug 2004

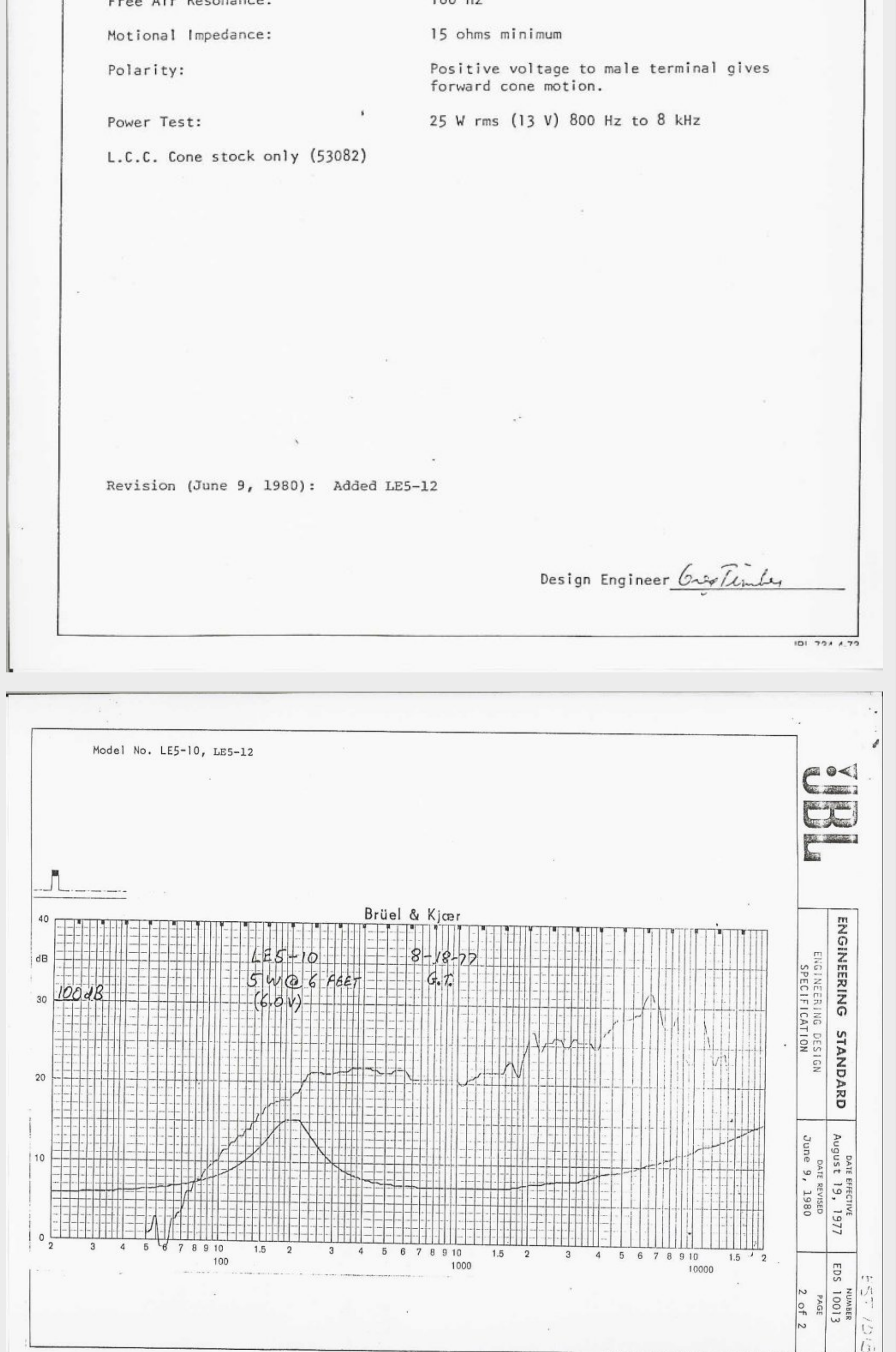
Location: Lansing Heritage

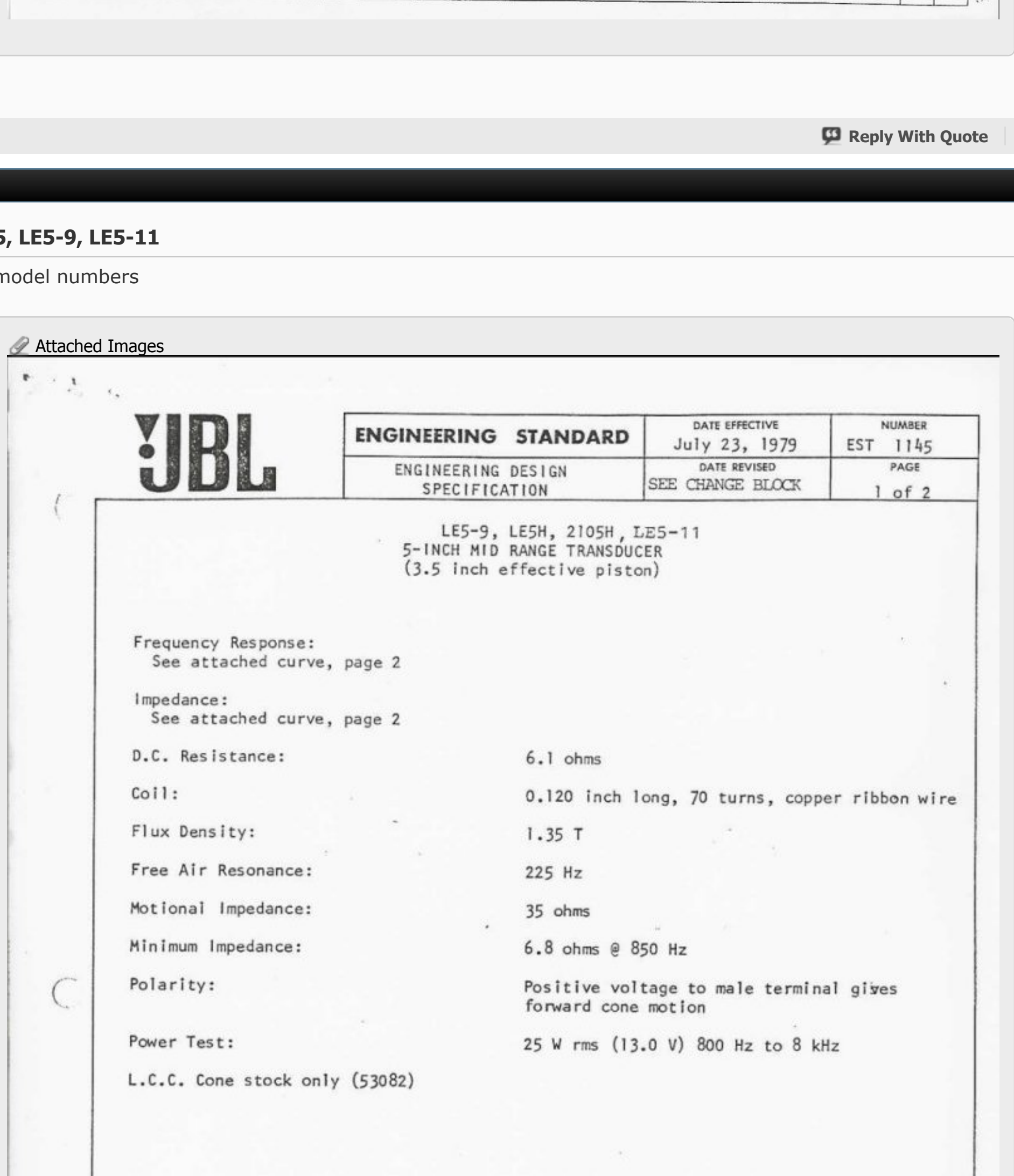
Posts: 681

LE5-5, LE5-9, LE5-11

Odd model numbers

Attached Images





01-25-2006, 05:02 PM

#5

Techbot

Senior Member

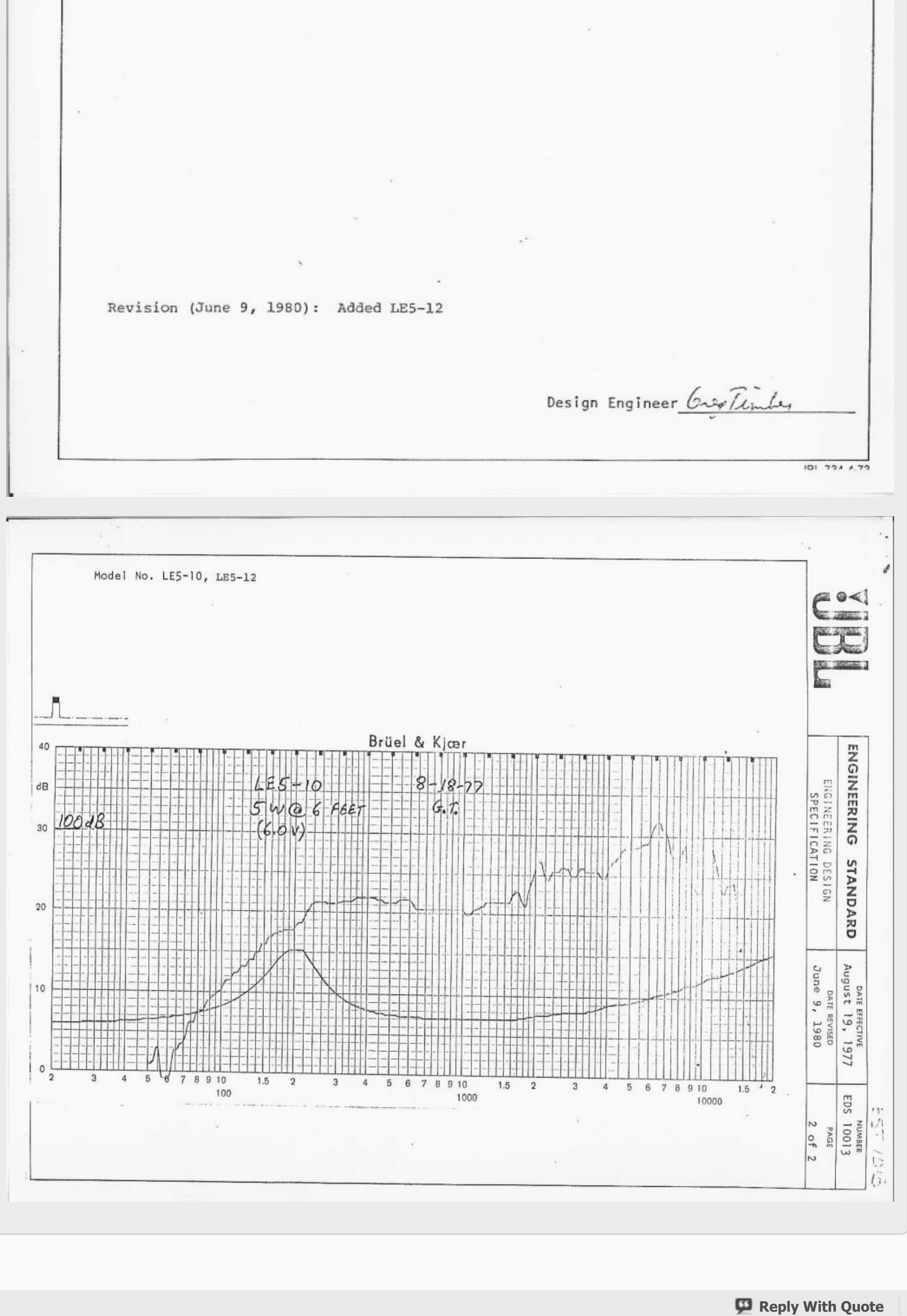
Join Date: Aug 2004


Location: Lansing Heritage

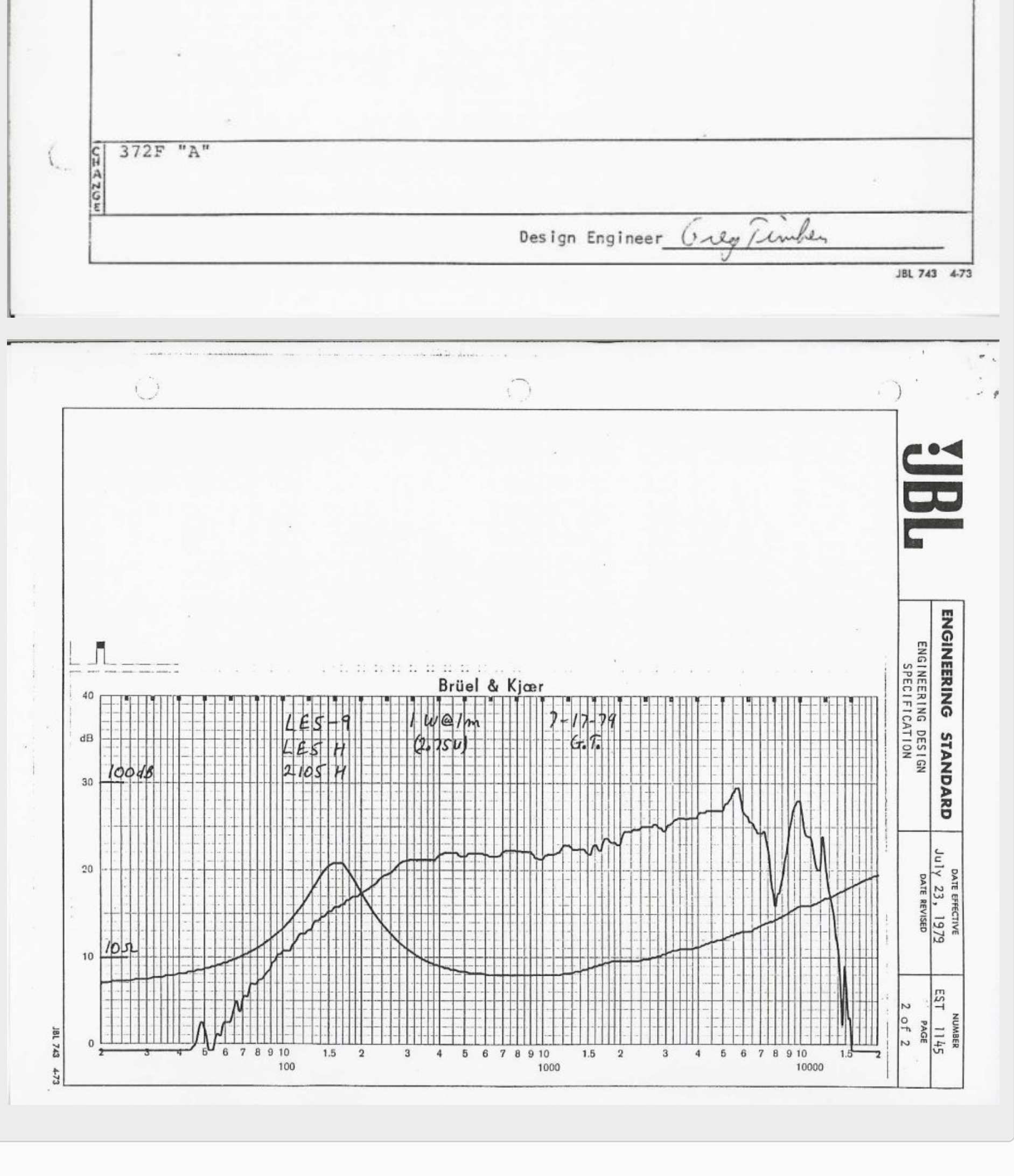
Posts: 681

104H

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

Join Date: Aug 2004

Location: Lansing Heritage

Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

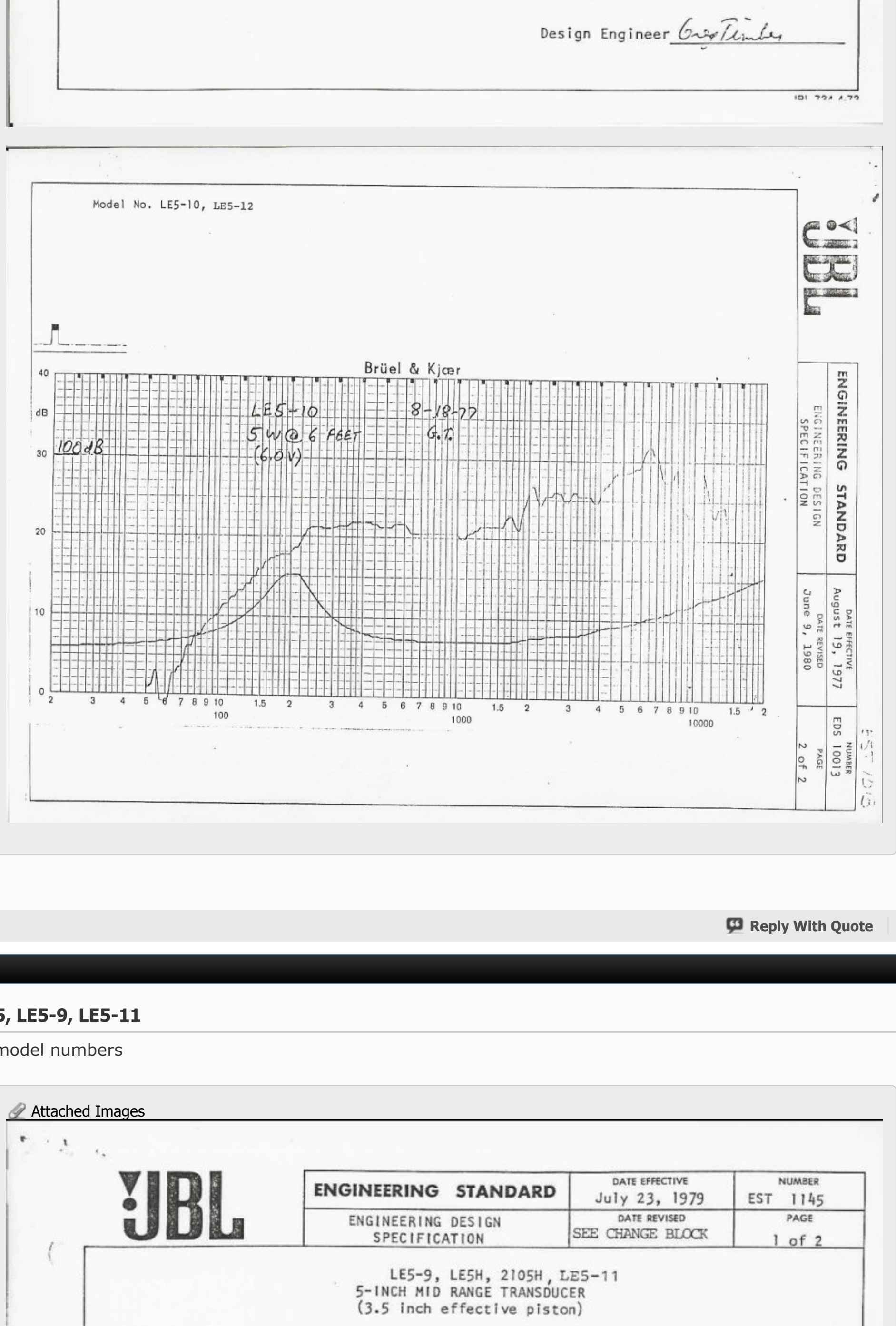
Join Date: Aug 2004

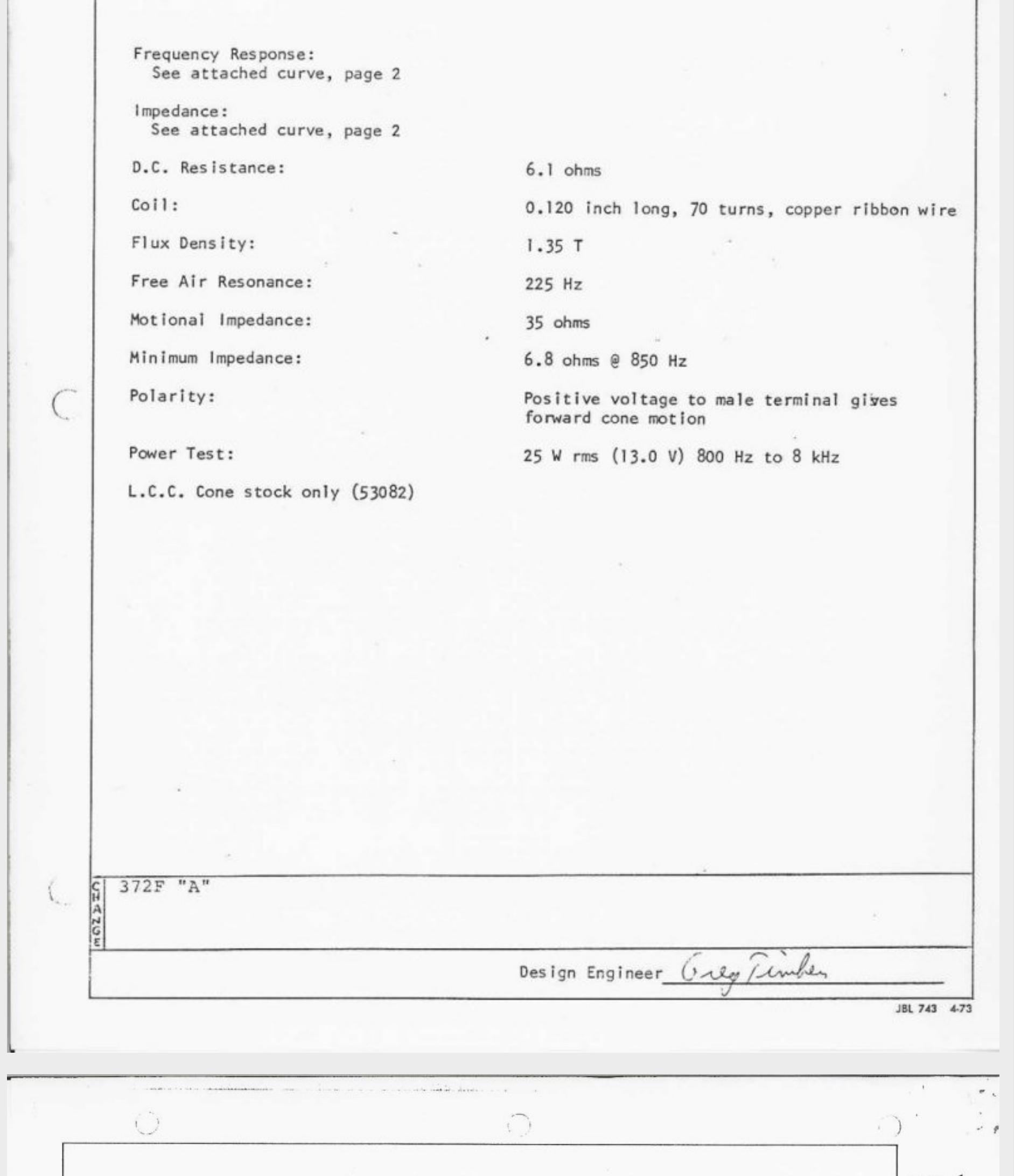
Location: Lansing Heritage

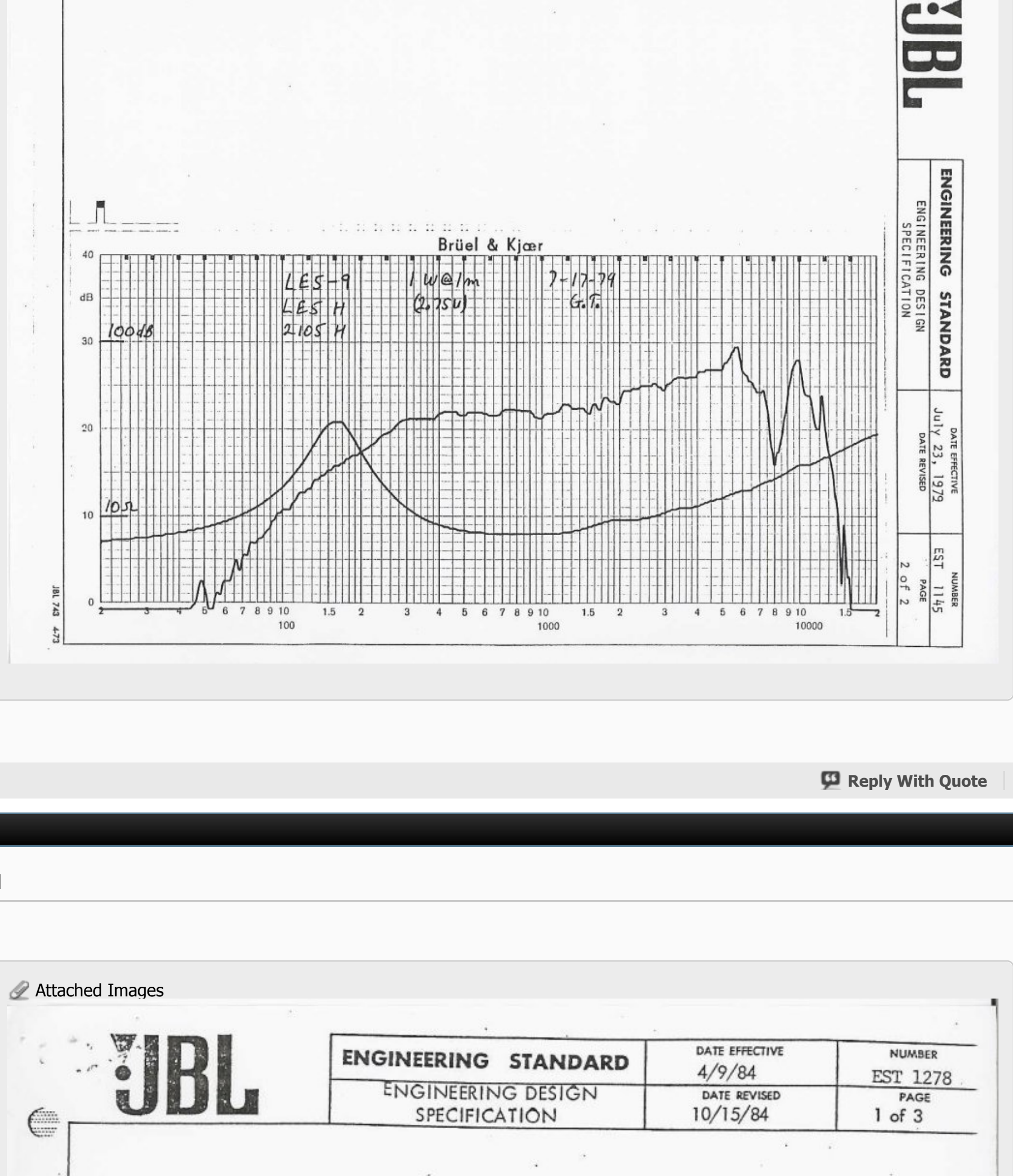
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

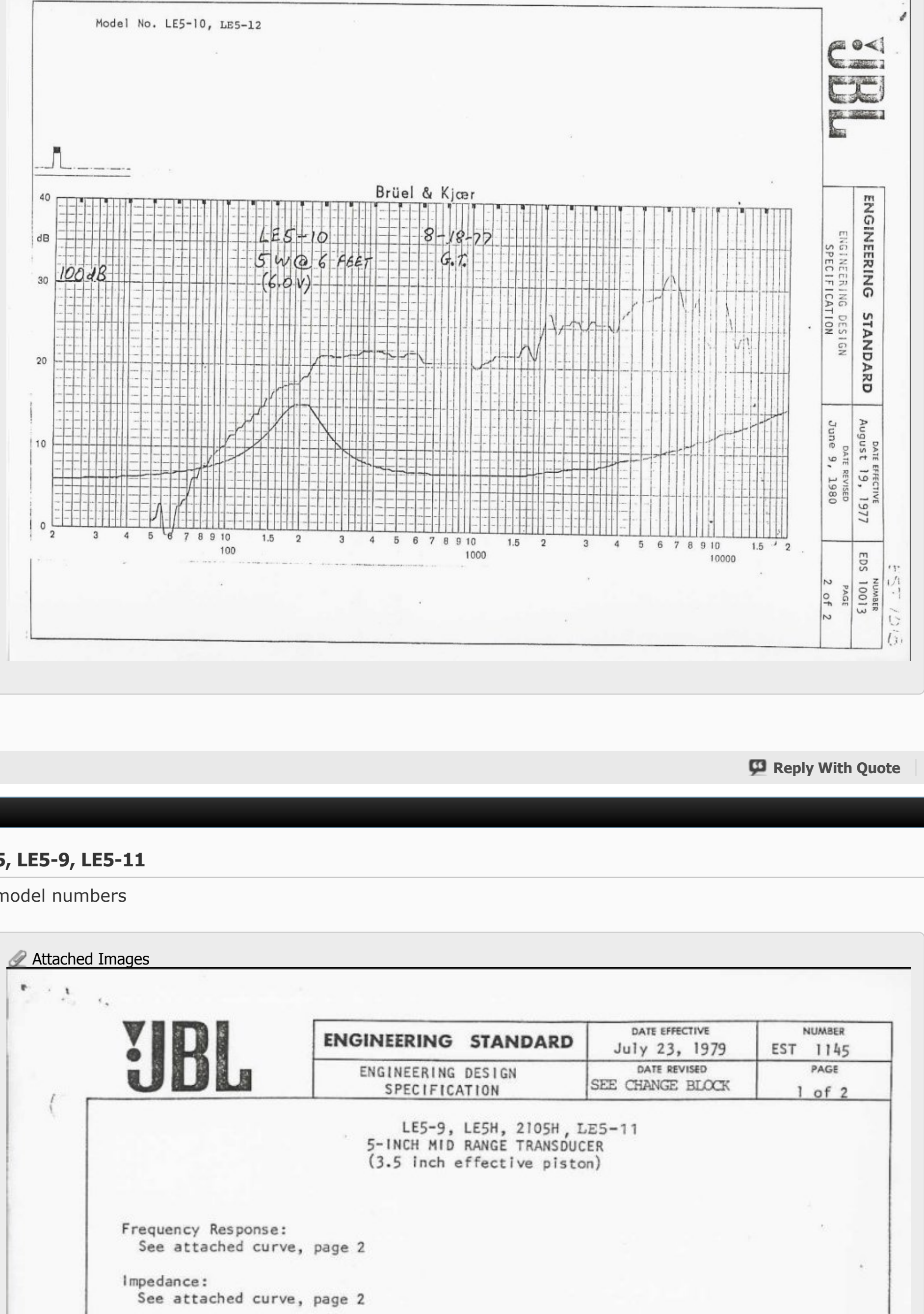
Join Date: Aug 2004

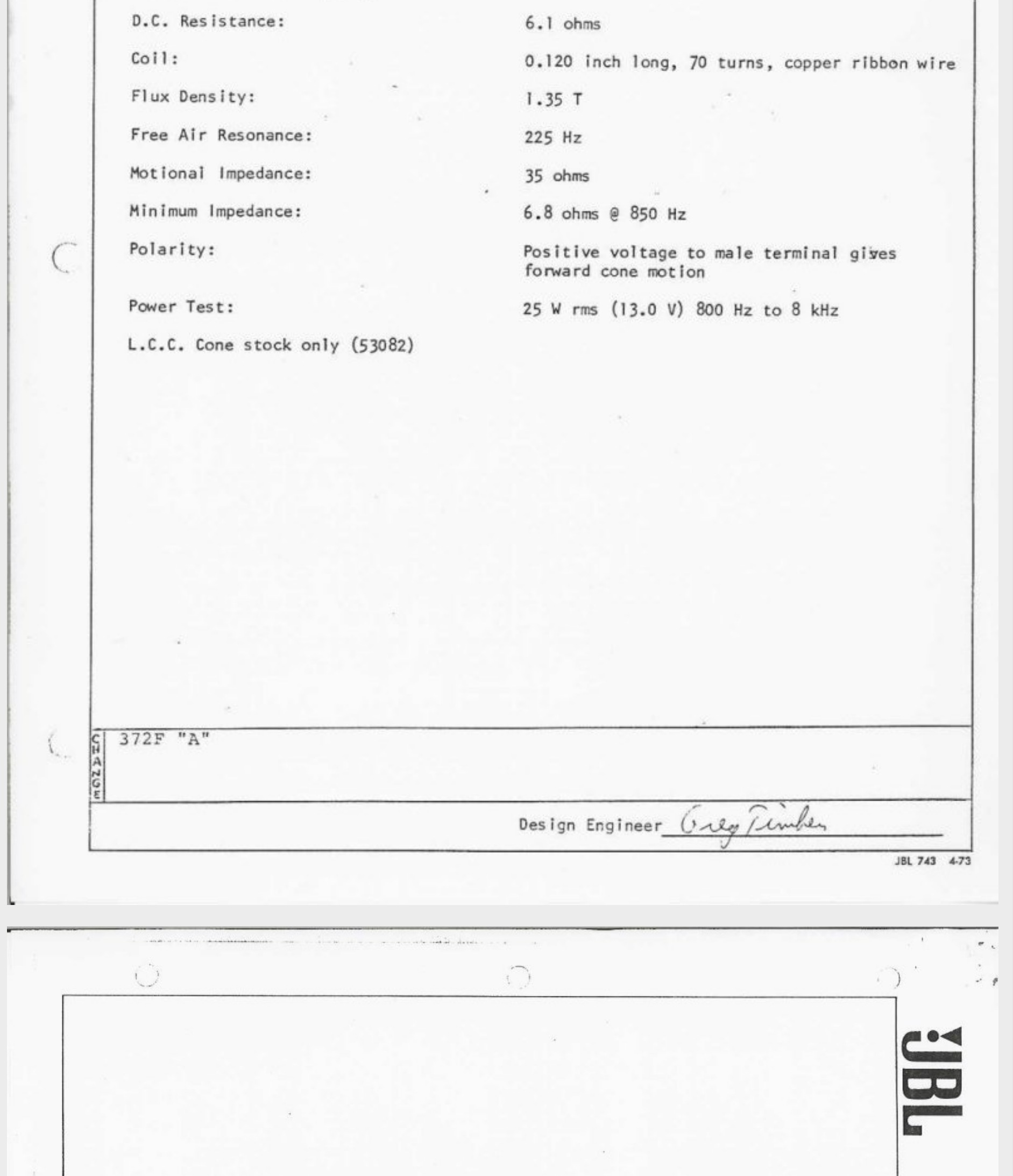
Location: Lansing Heritage

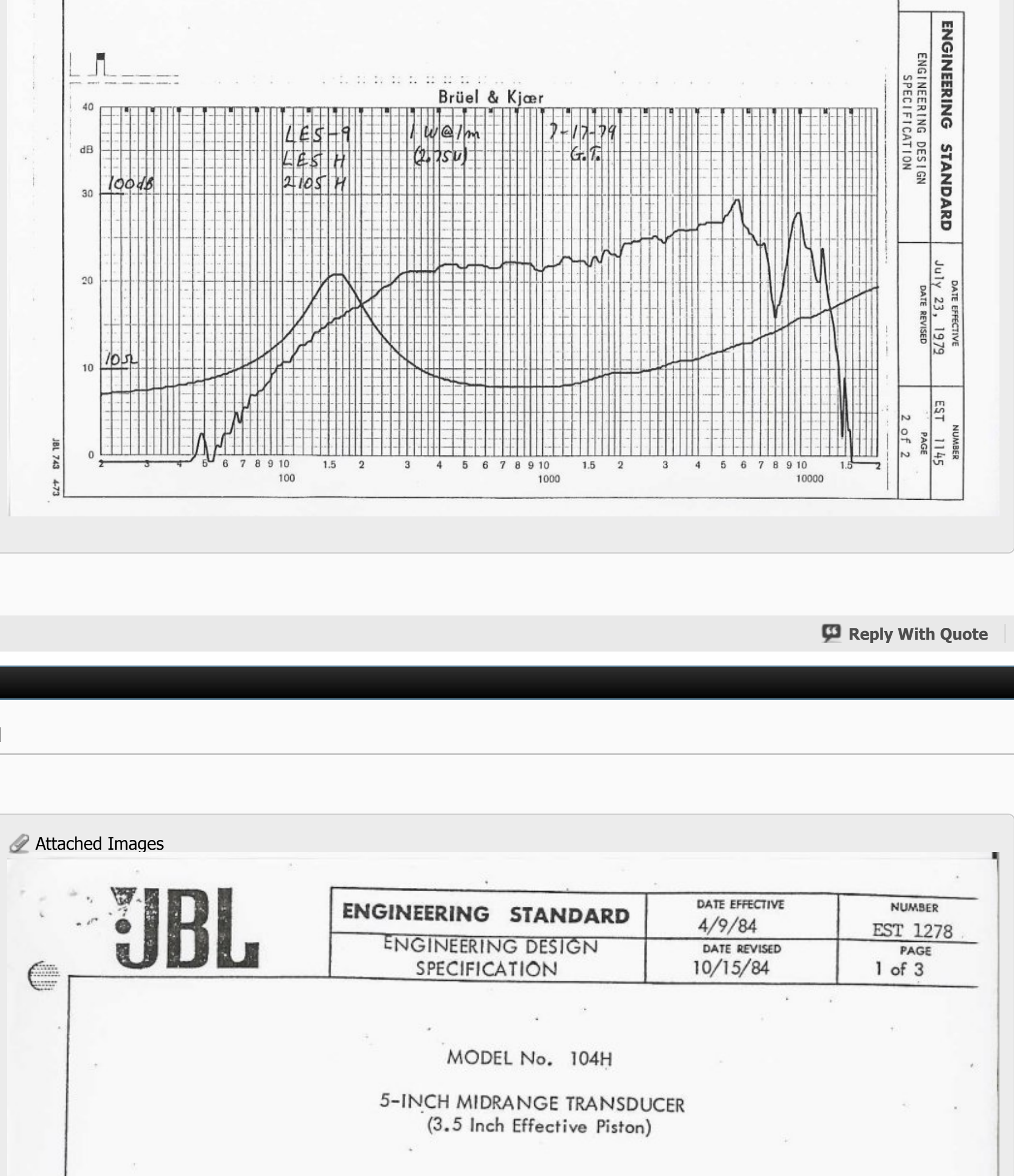
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

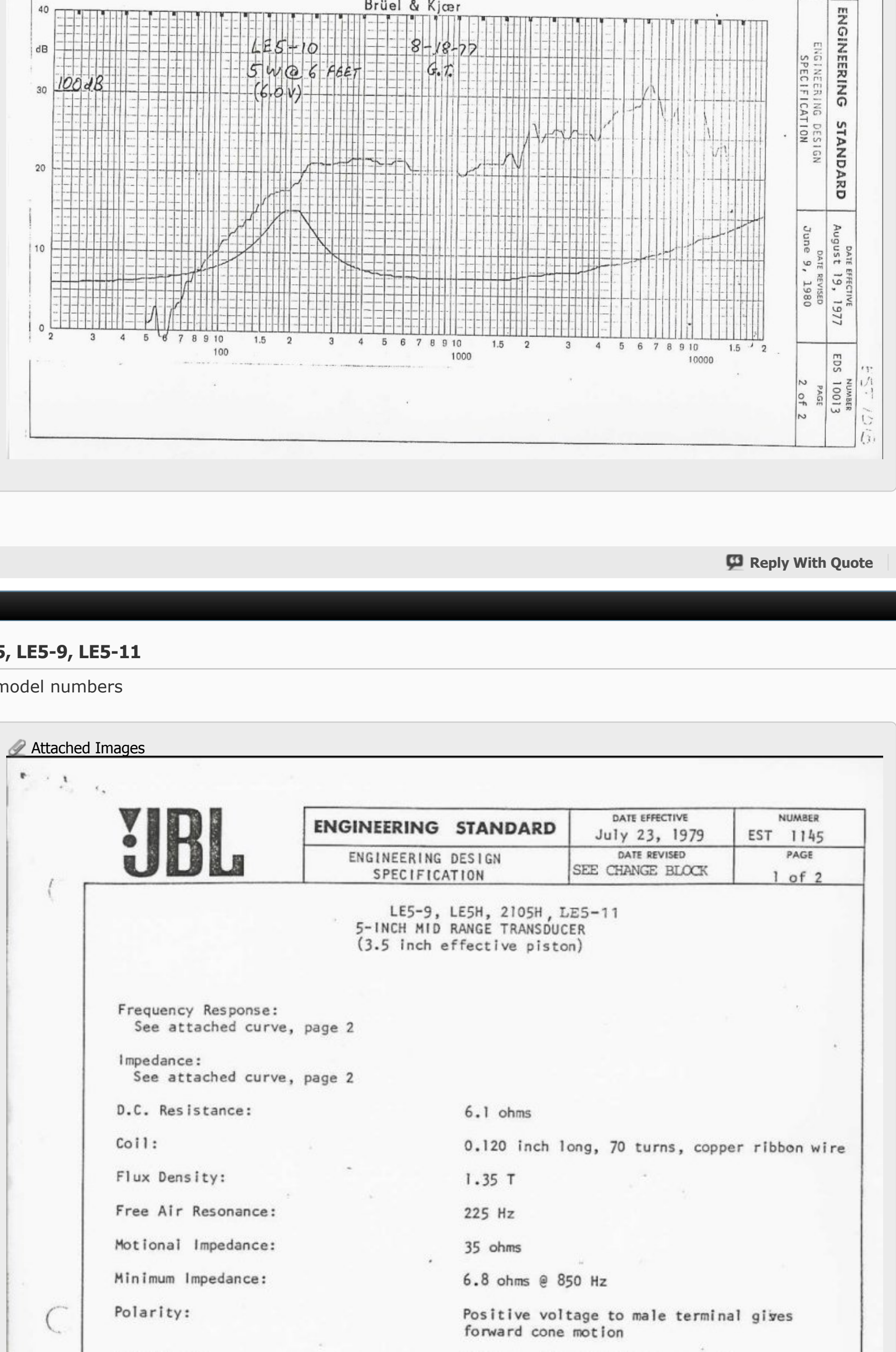
Join Date: Aug 2004

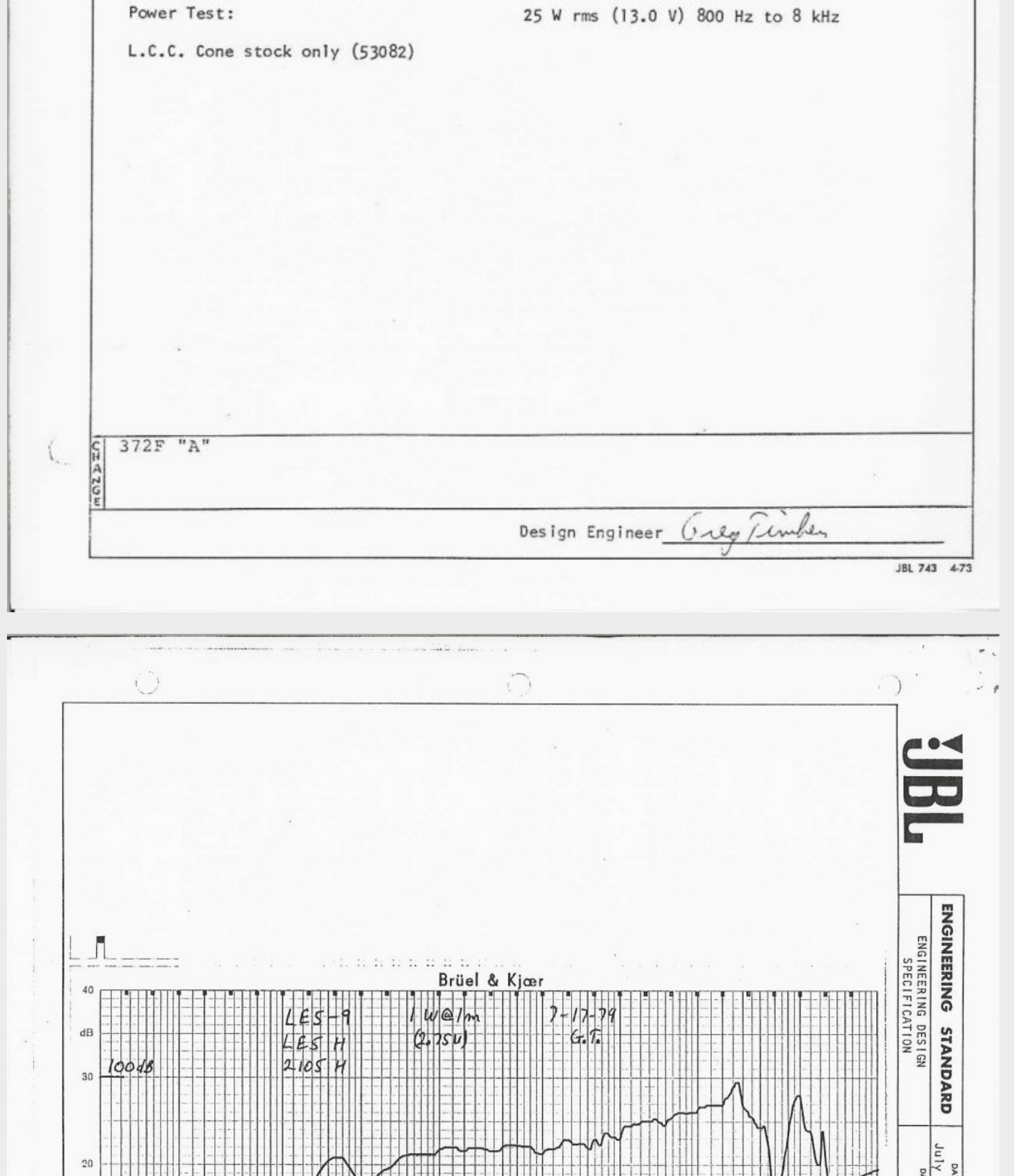
Location: Lansing Heritage

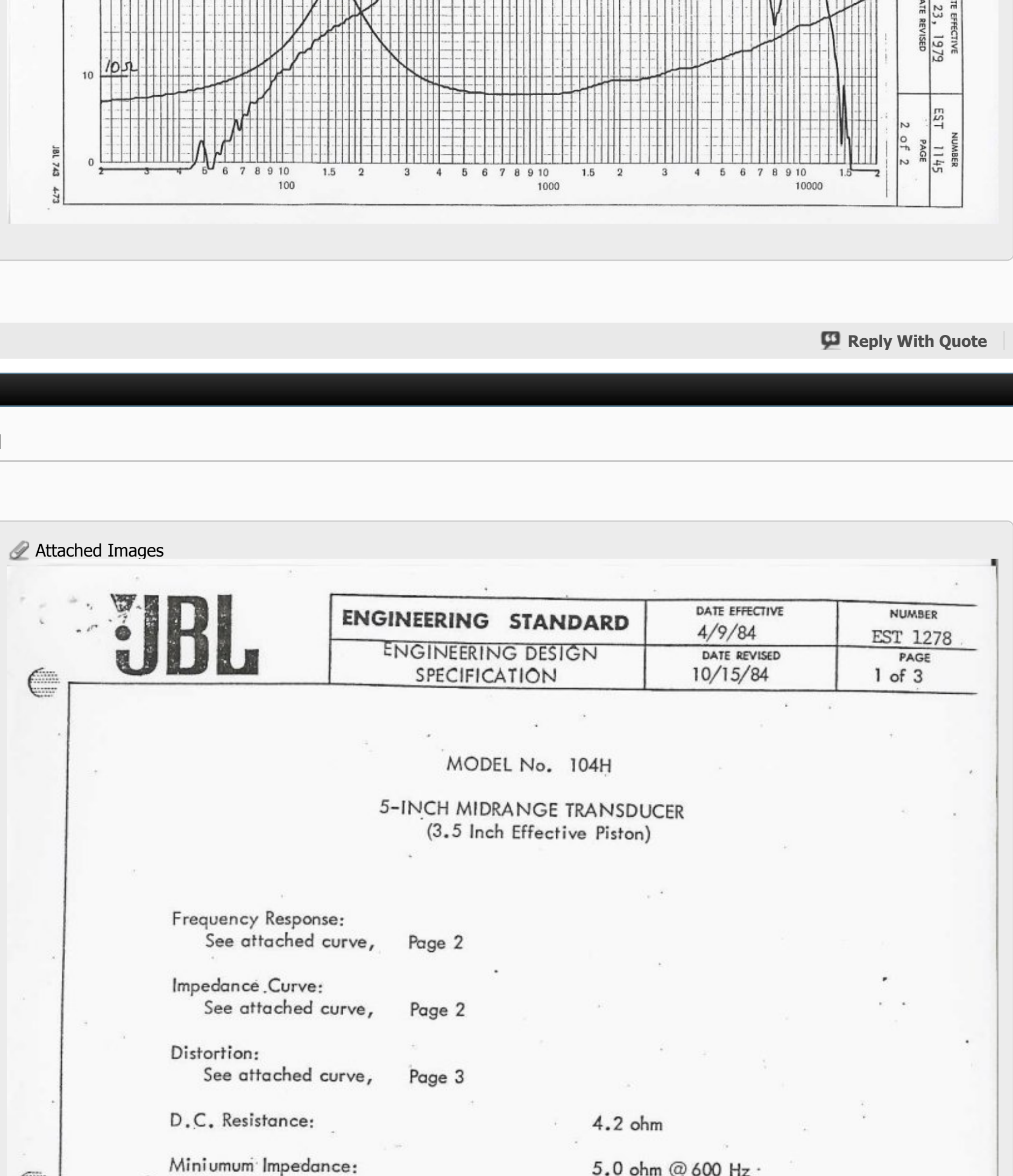
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

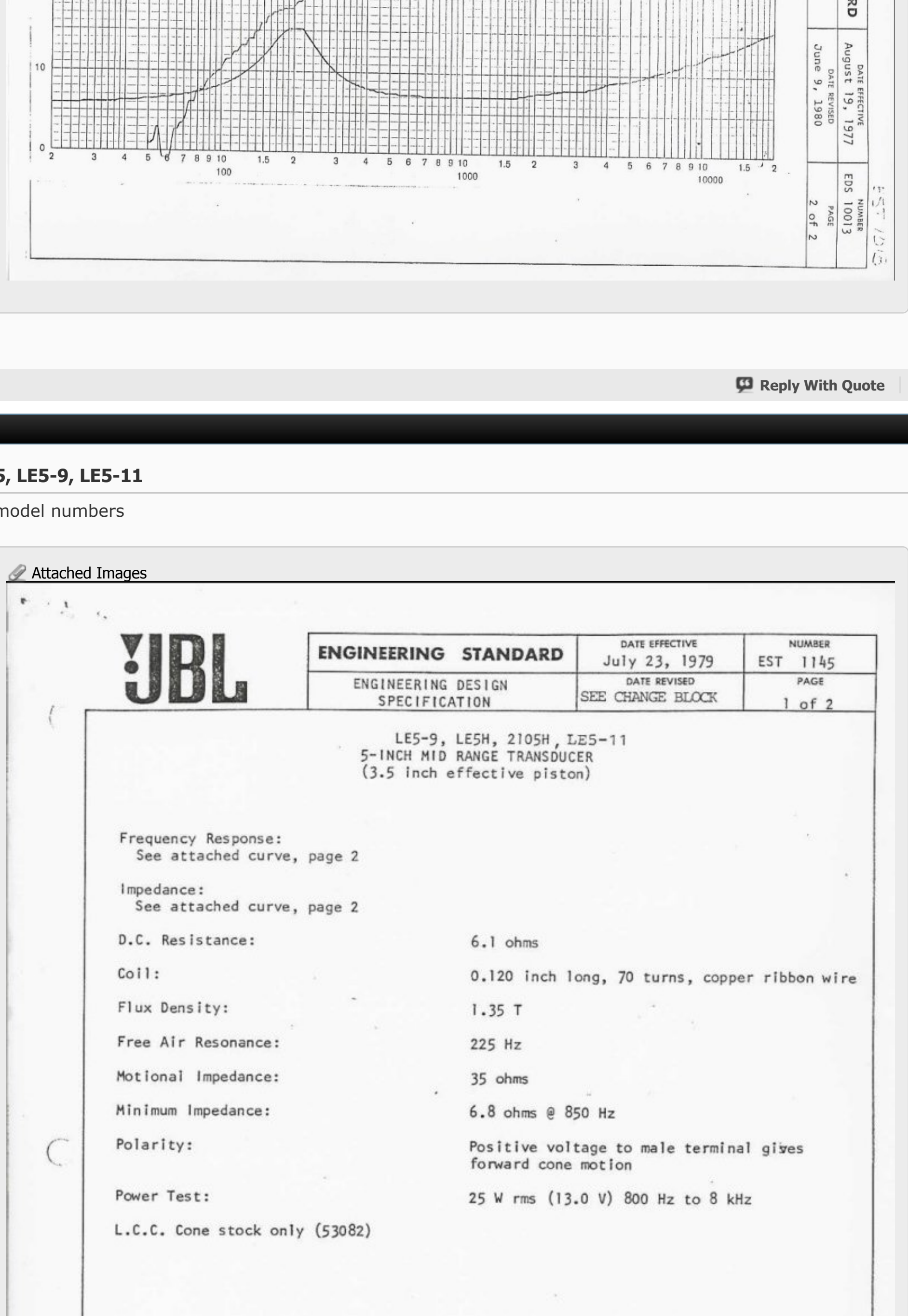
Join Date: Aug 2004

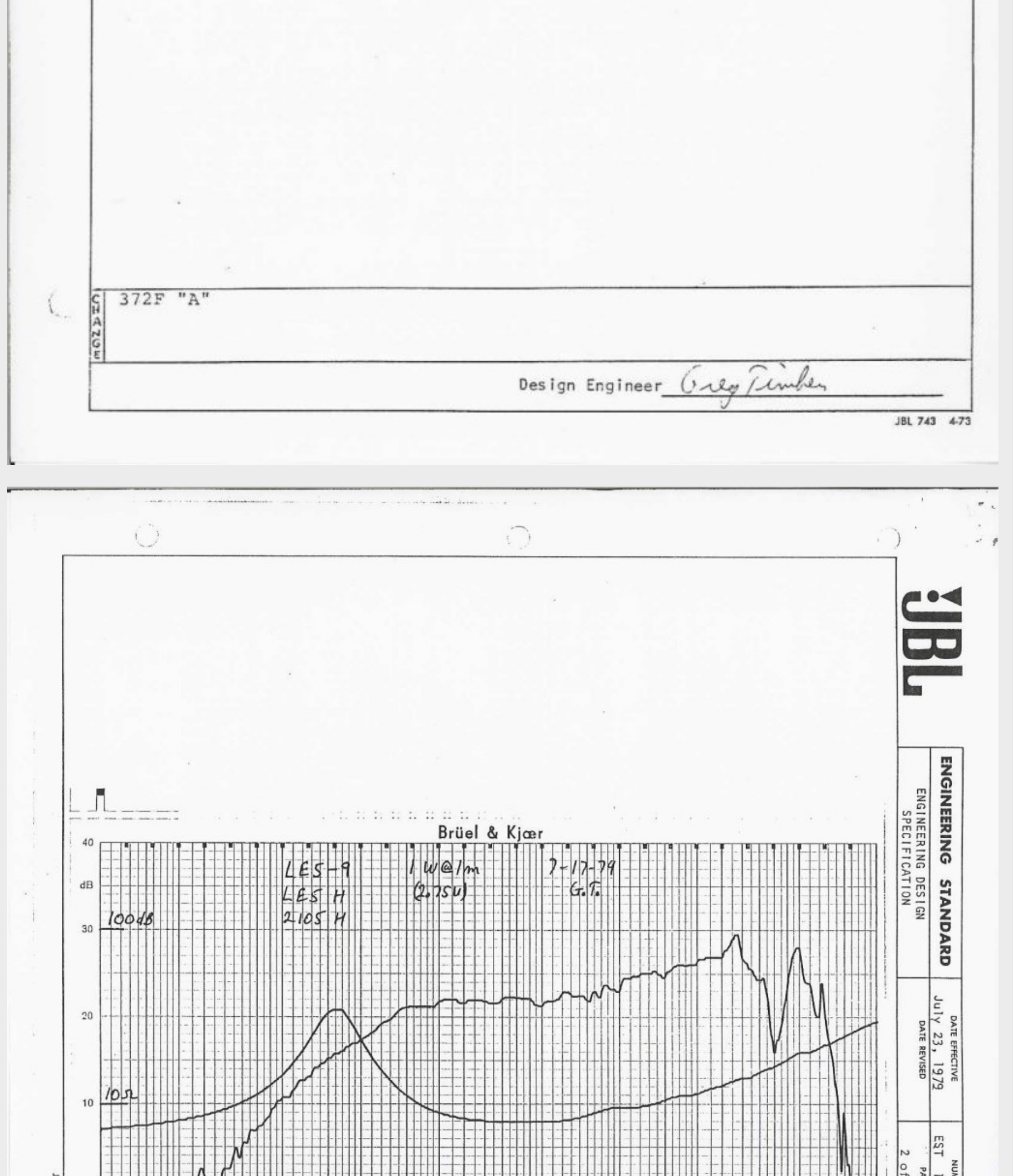
Location: Lansing Heritage

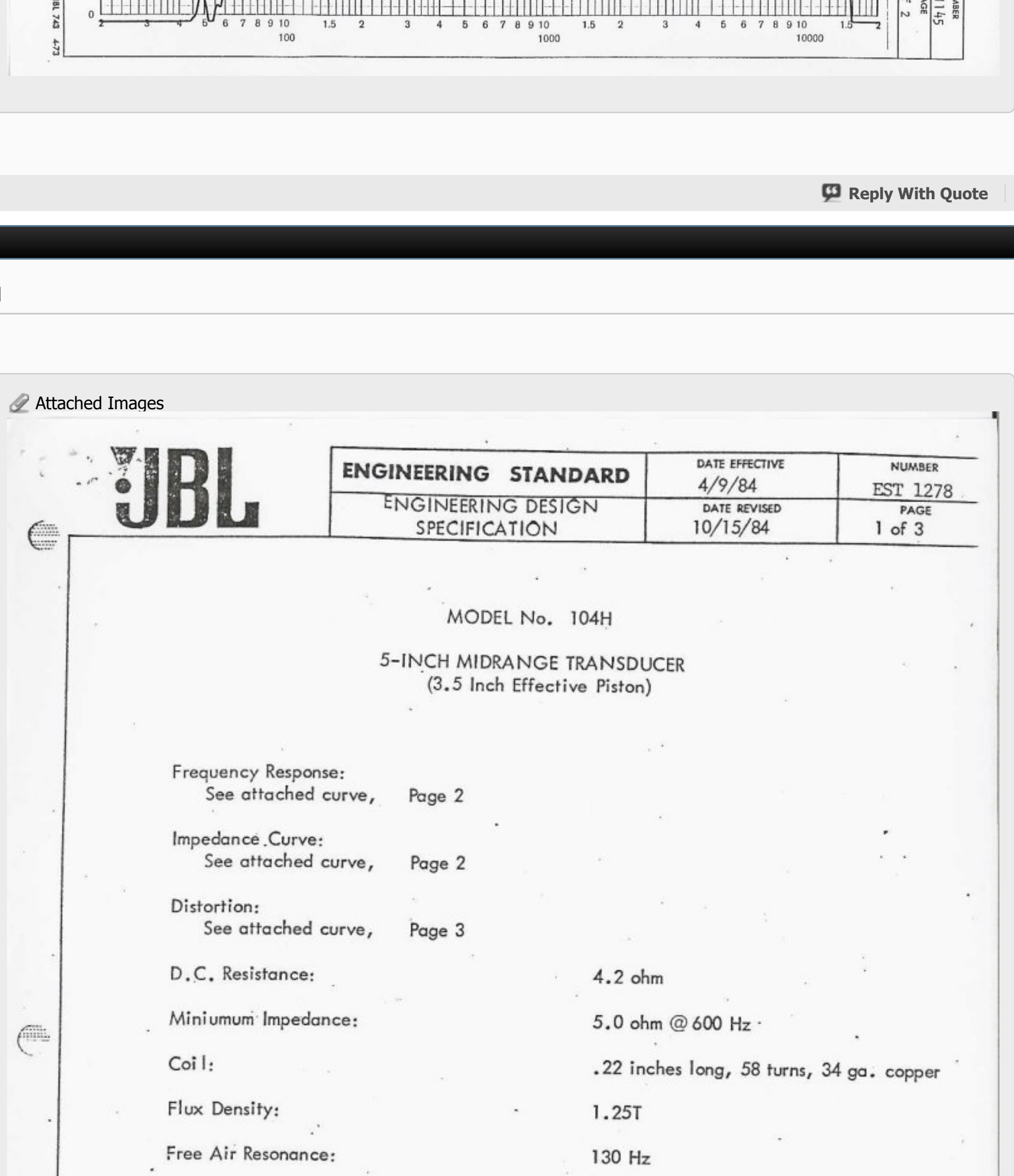
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

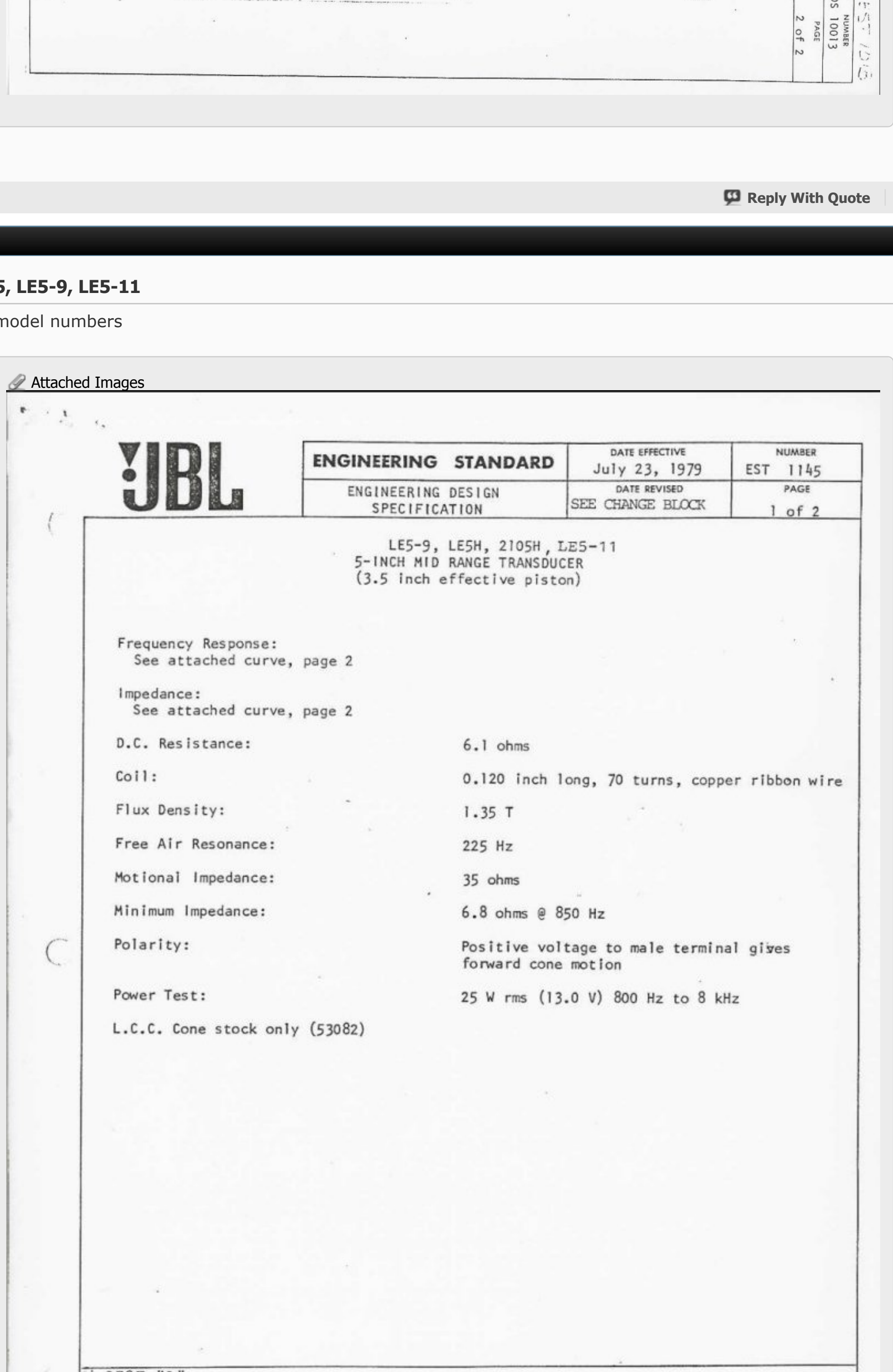
Join Date: Aug 2004

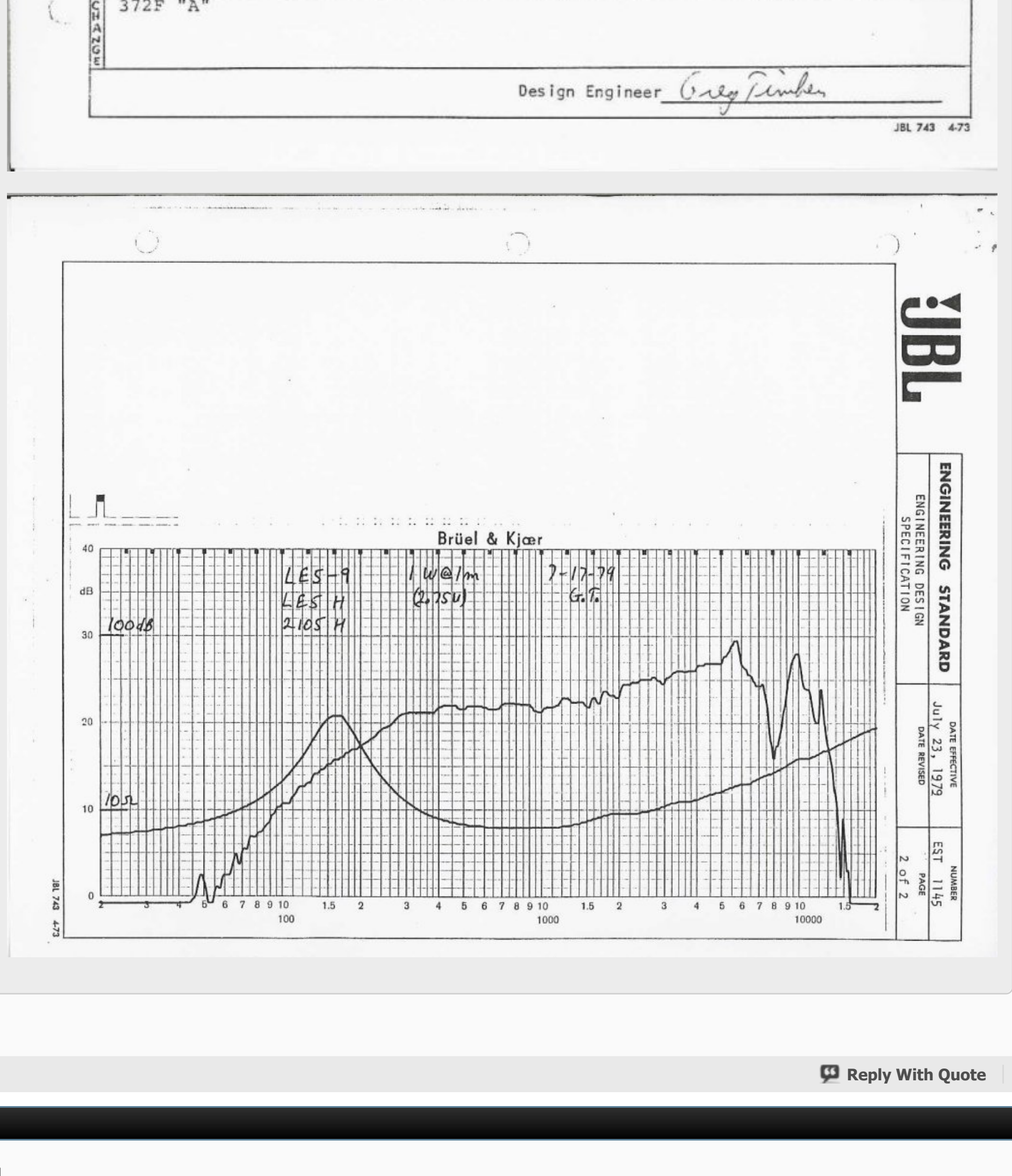
Location: Lansing Heritage

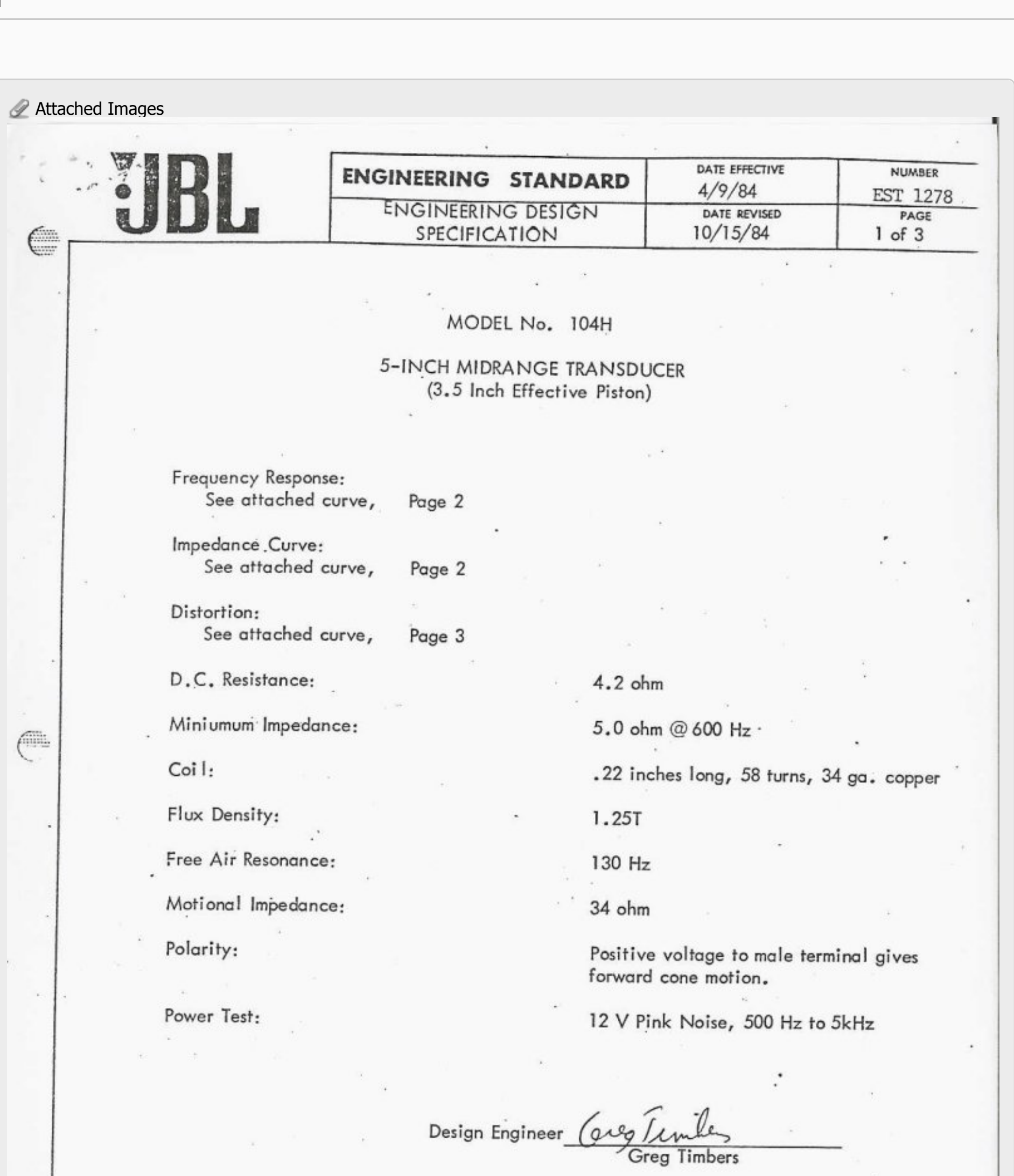
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

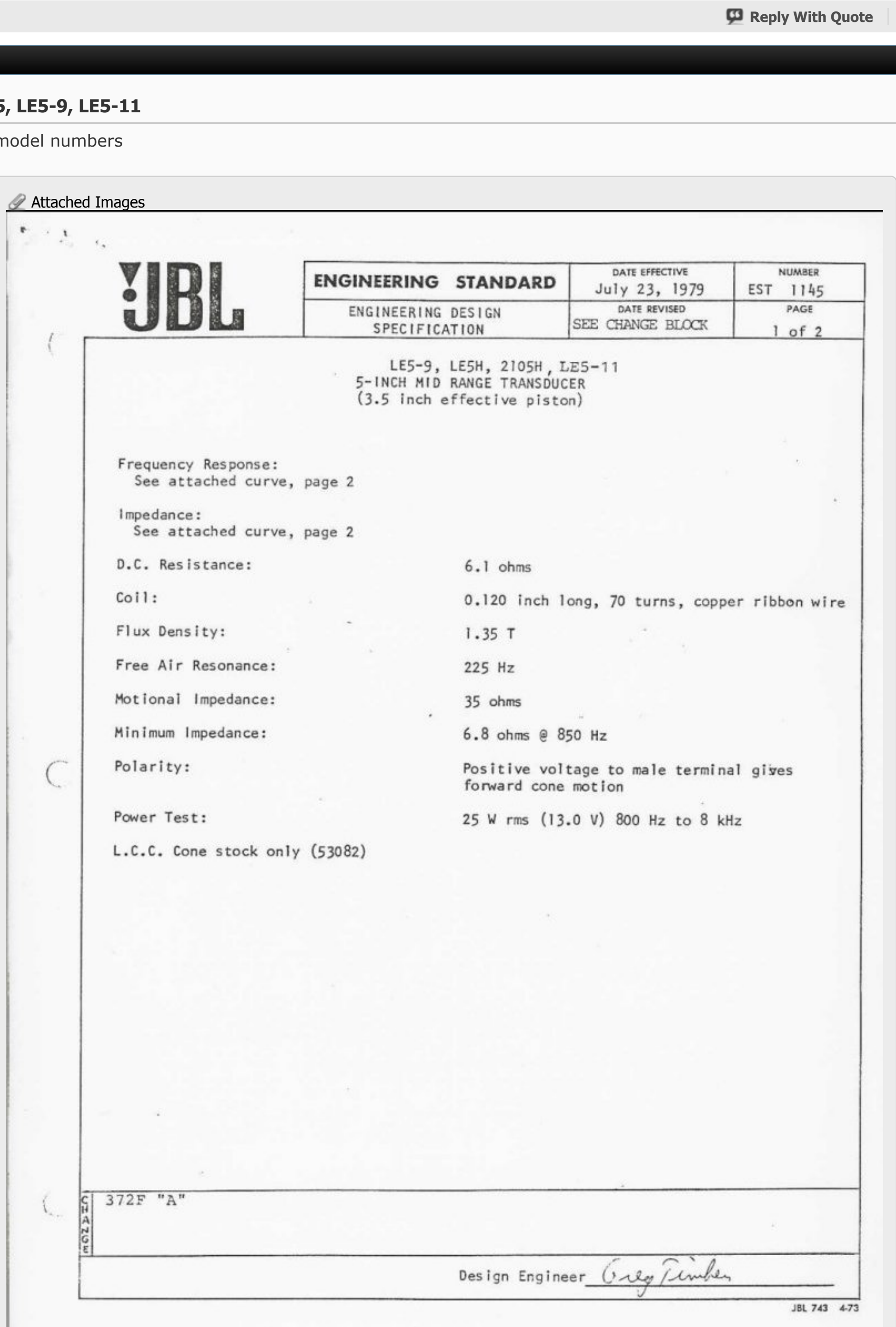
Join Date: Aug 2004

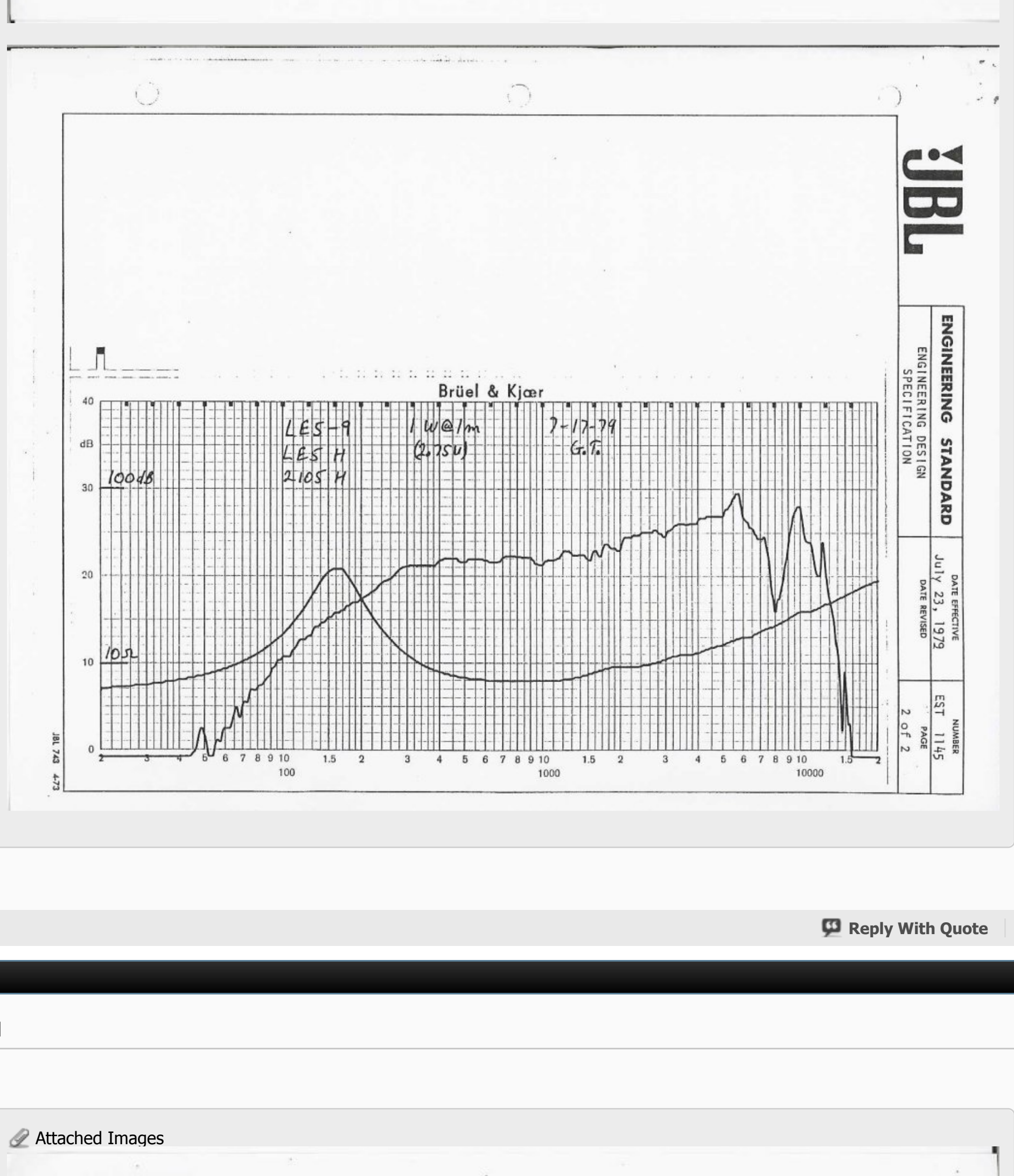
Location: Lansing Heritage

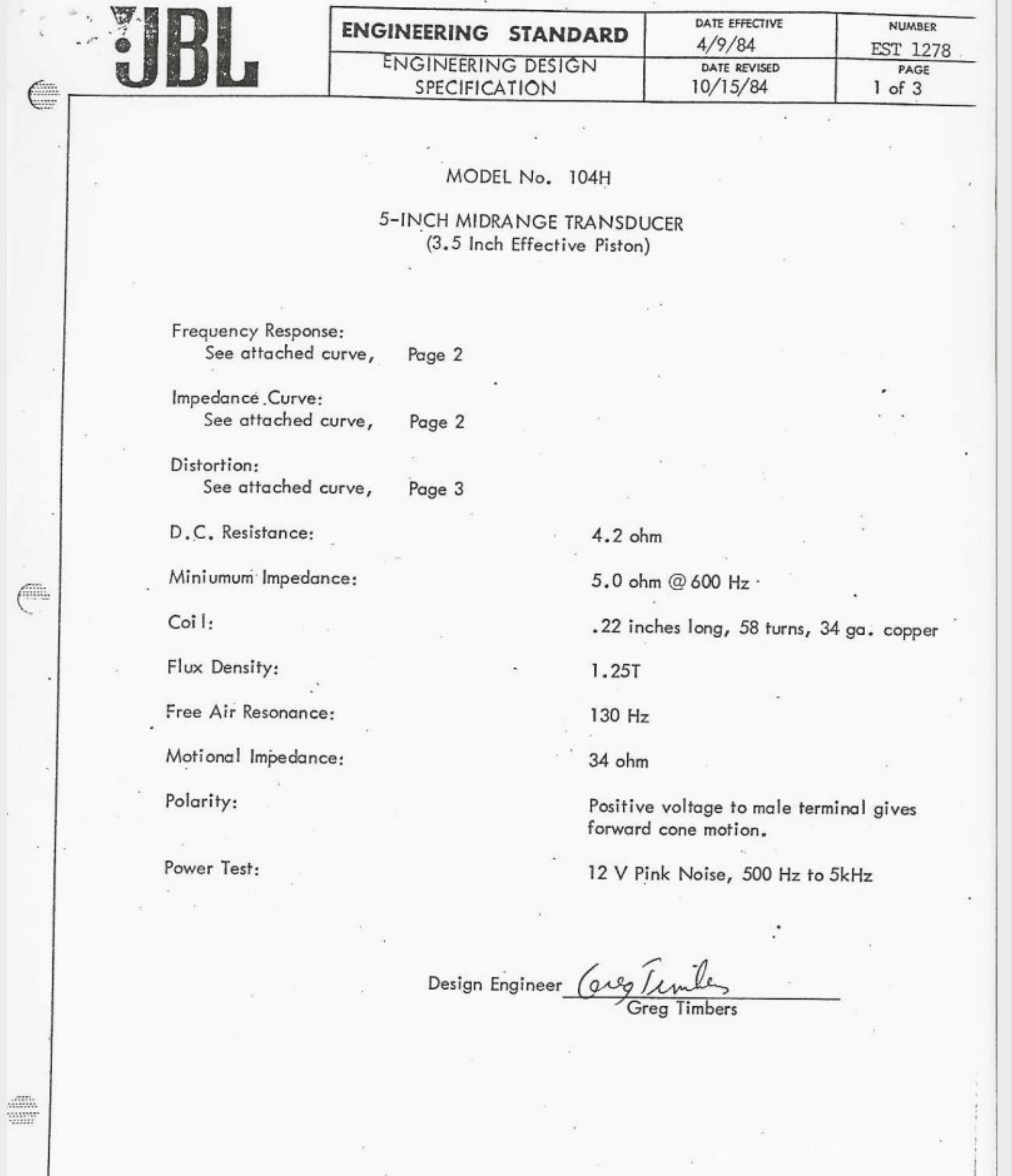
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

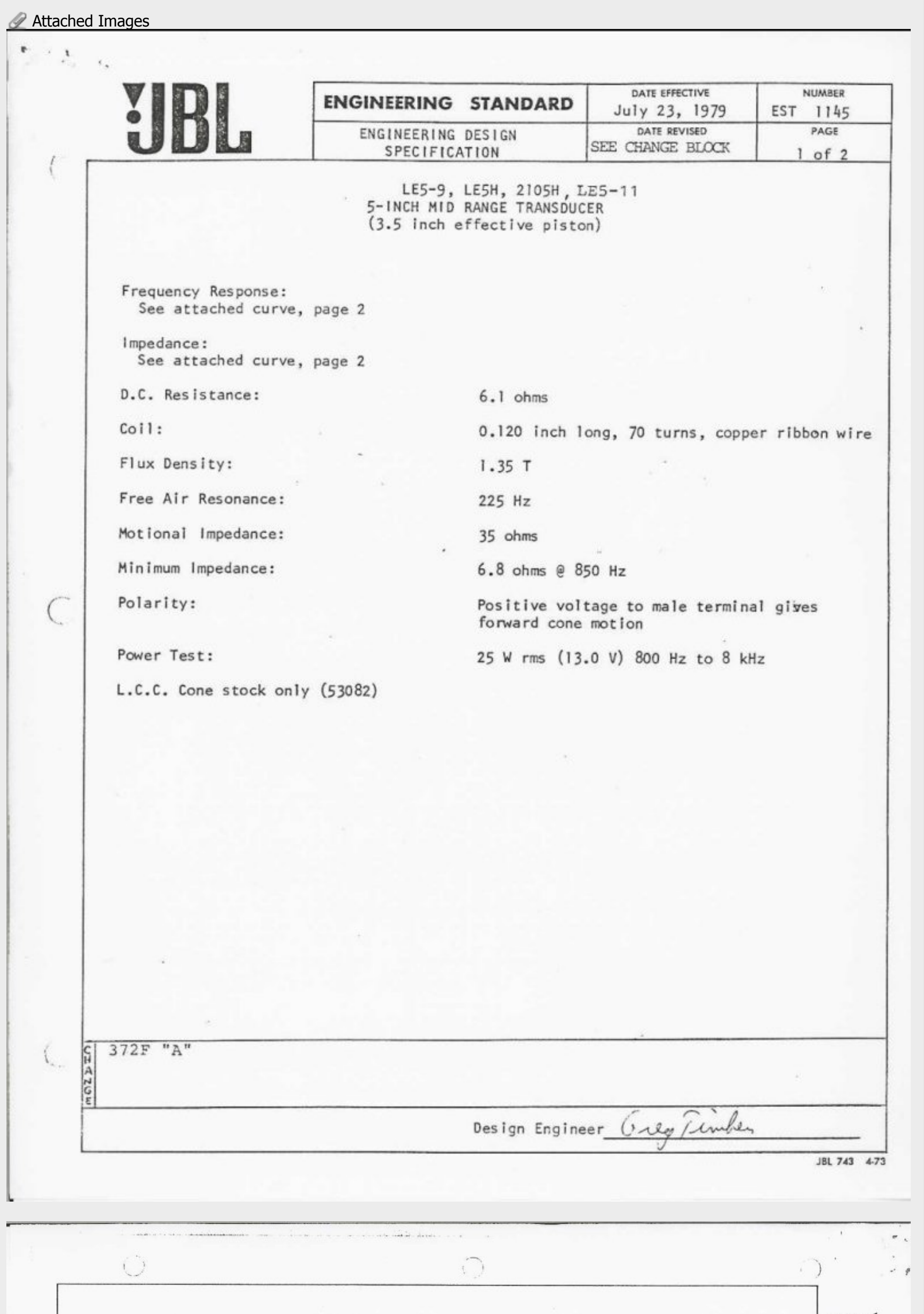
Join Date: Aug 2004

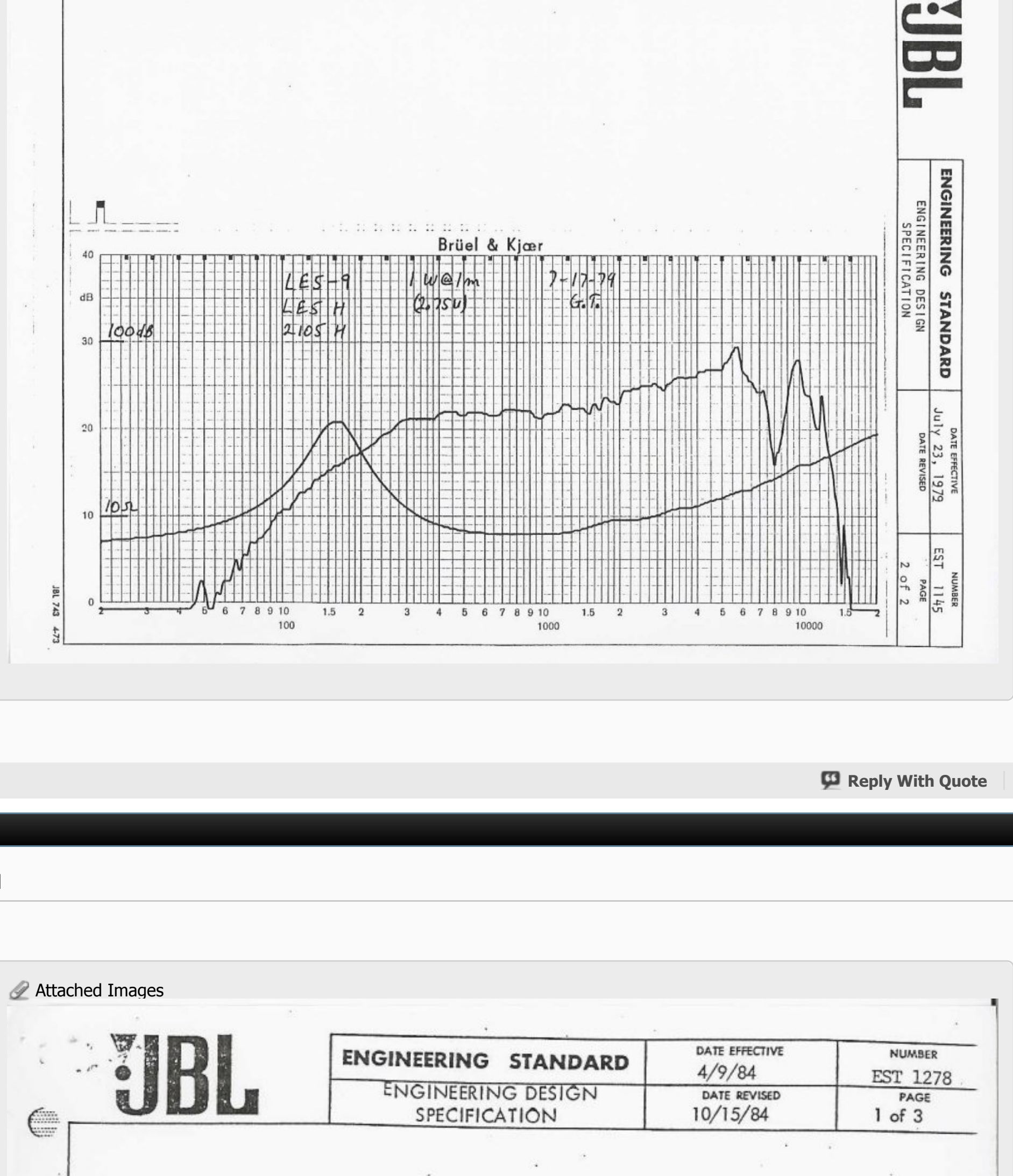
Location: Lansing Heritage

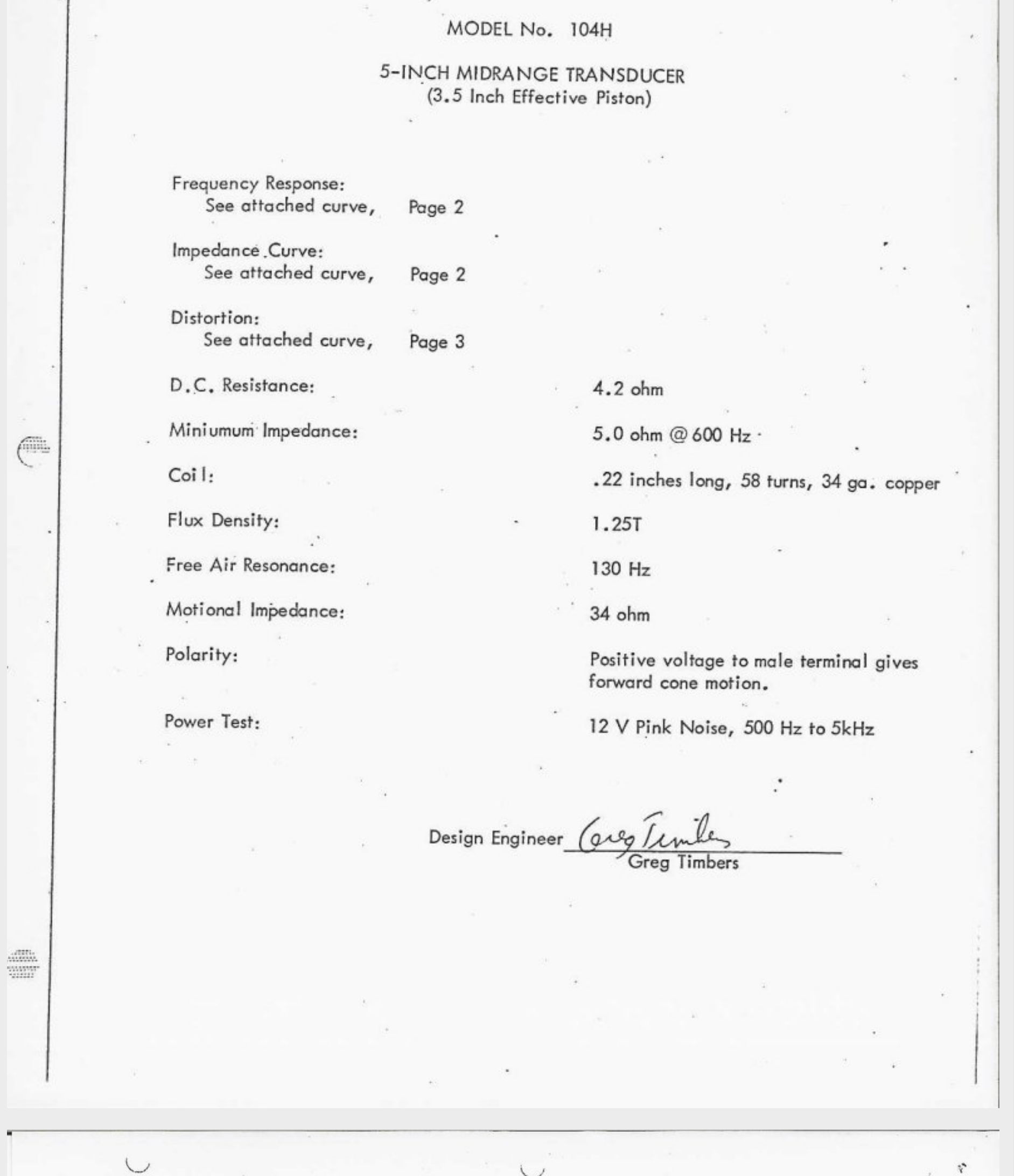
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

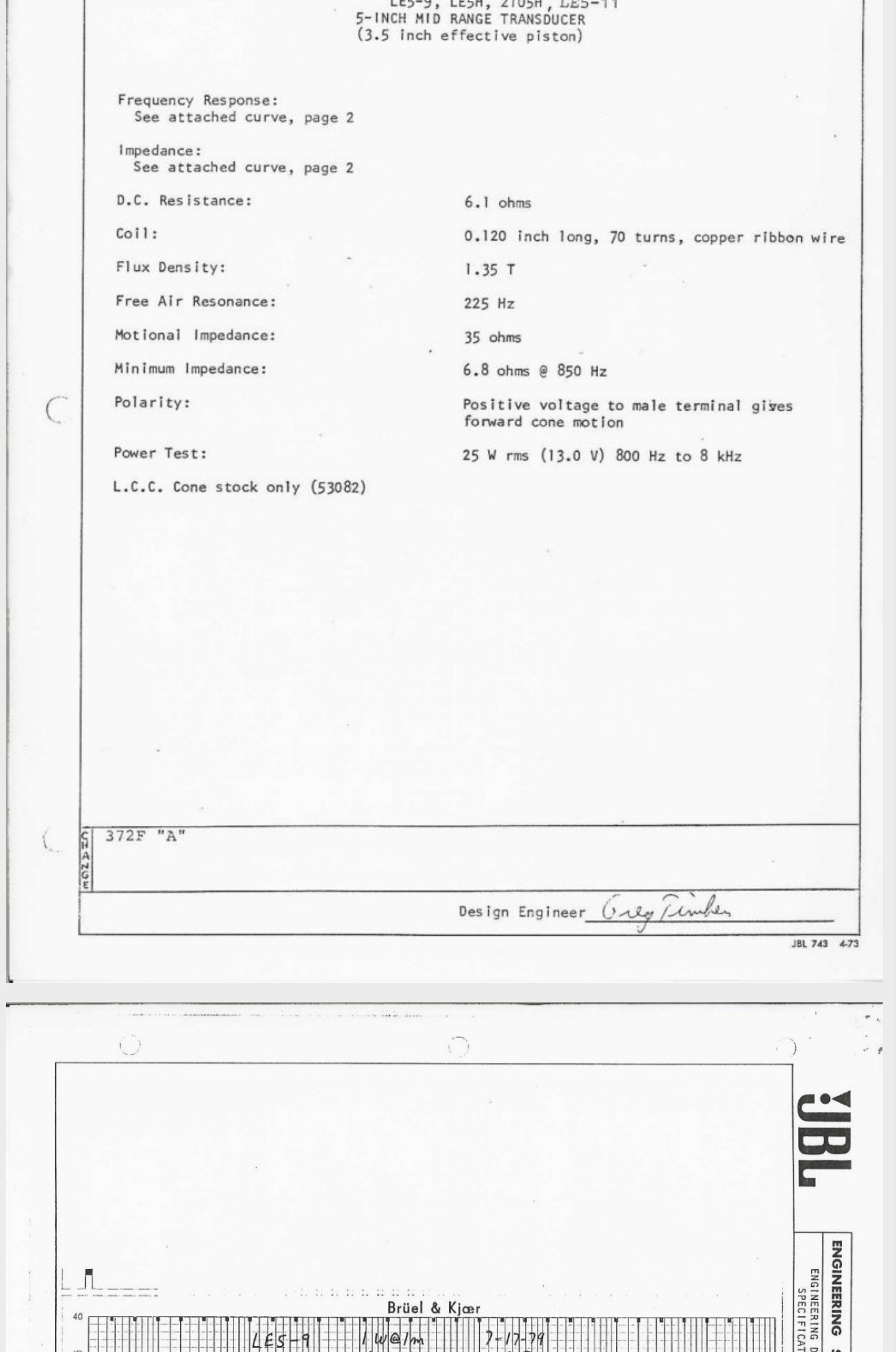
Join Date: Aug 2004

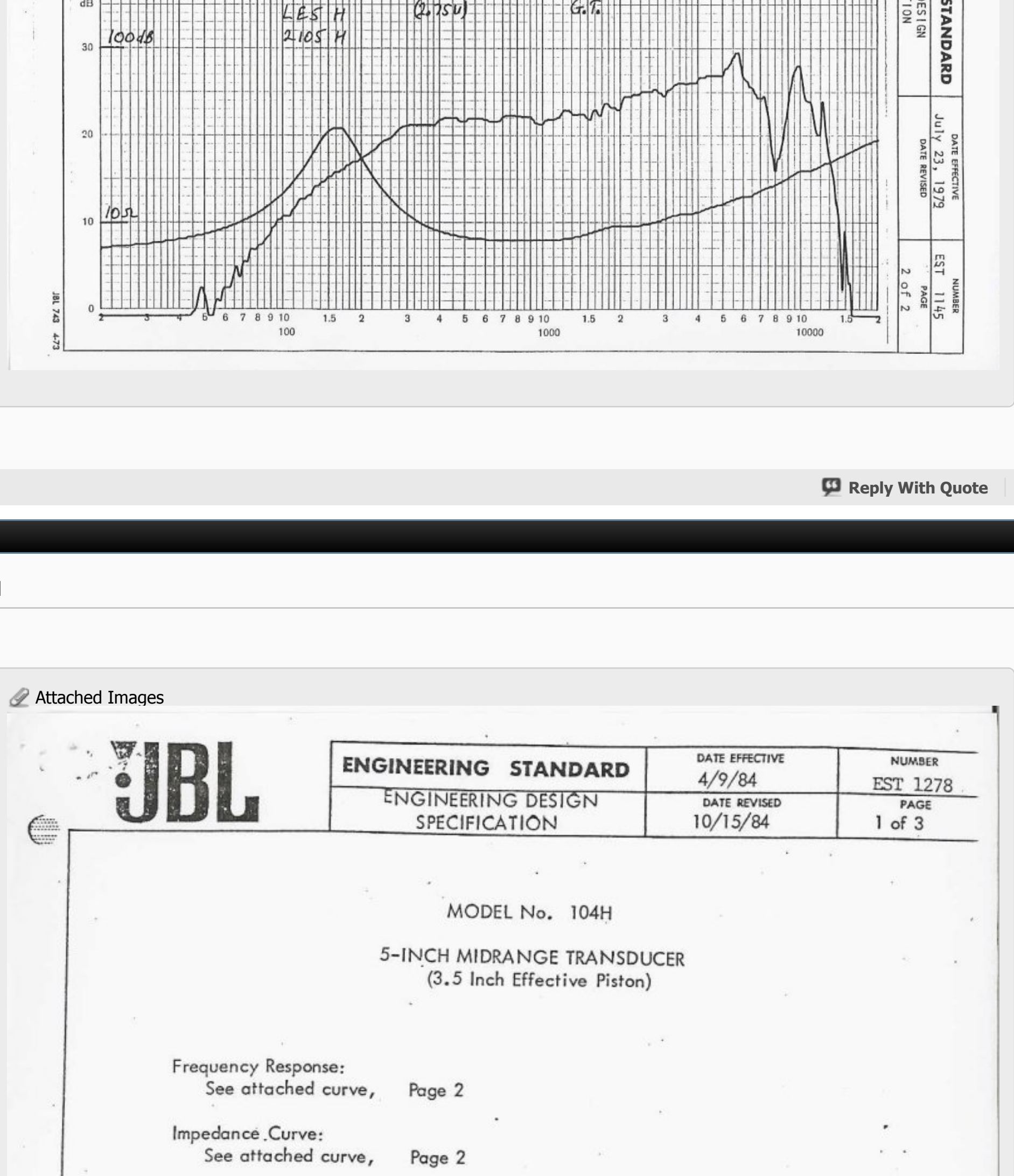
Location: Lansing Heritage

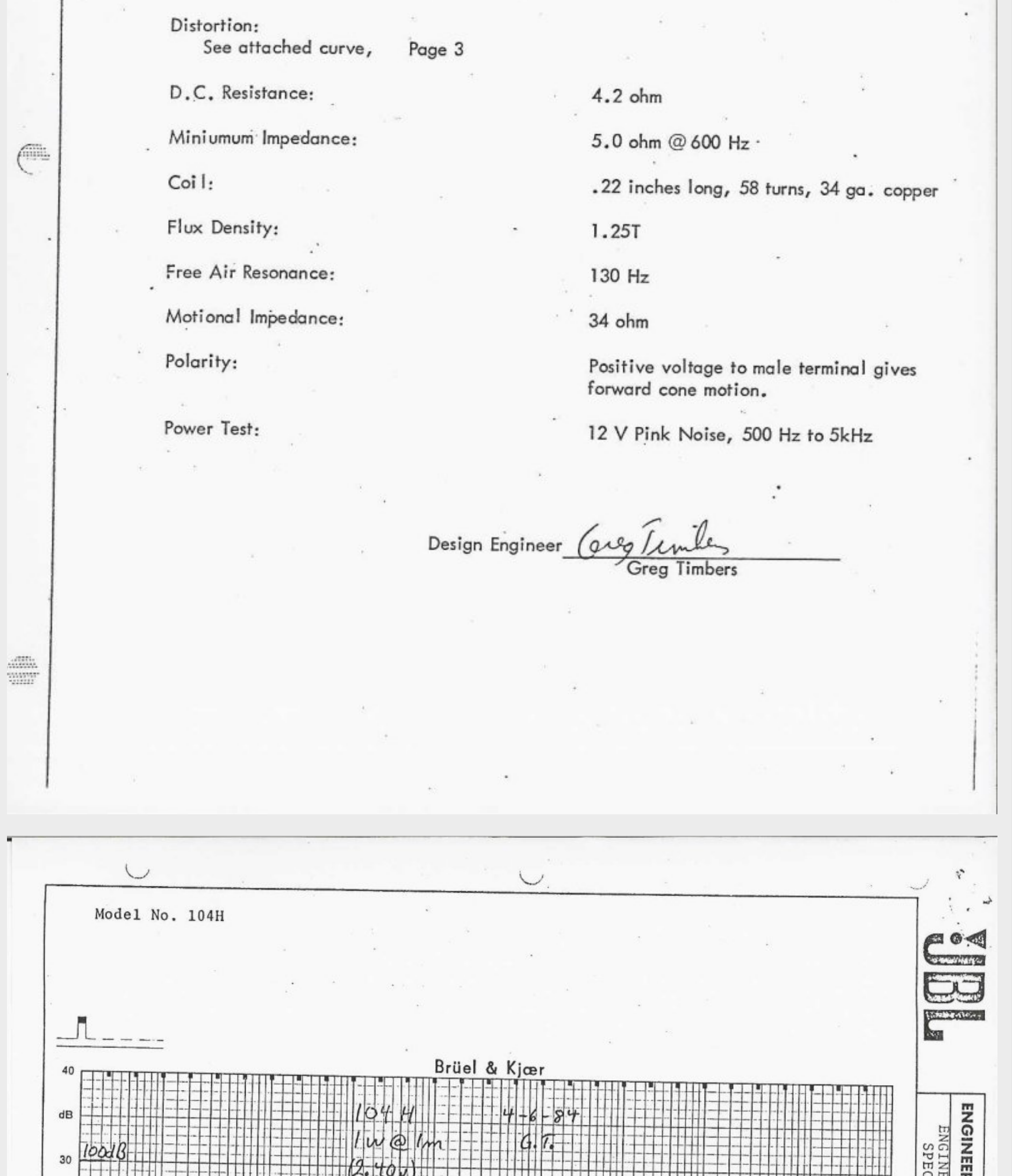
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

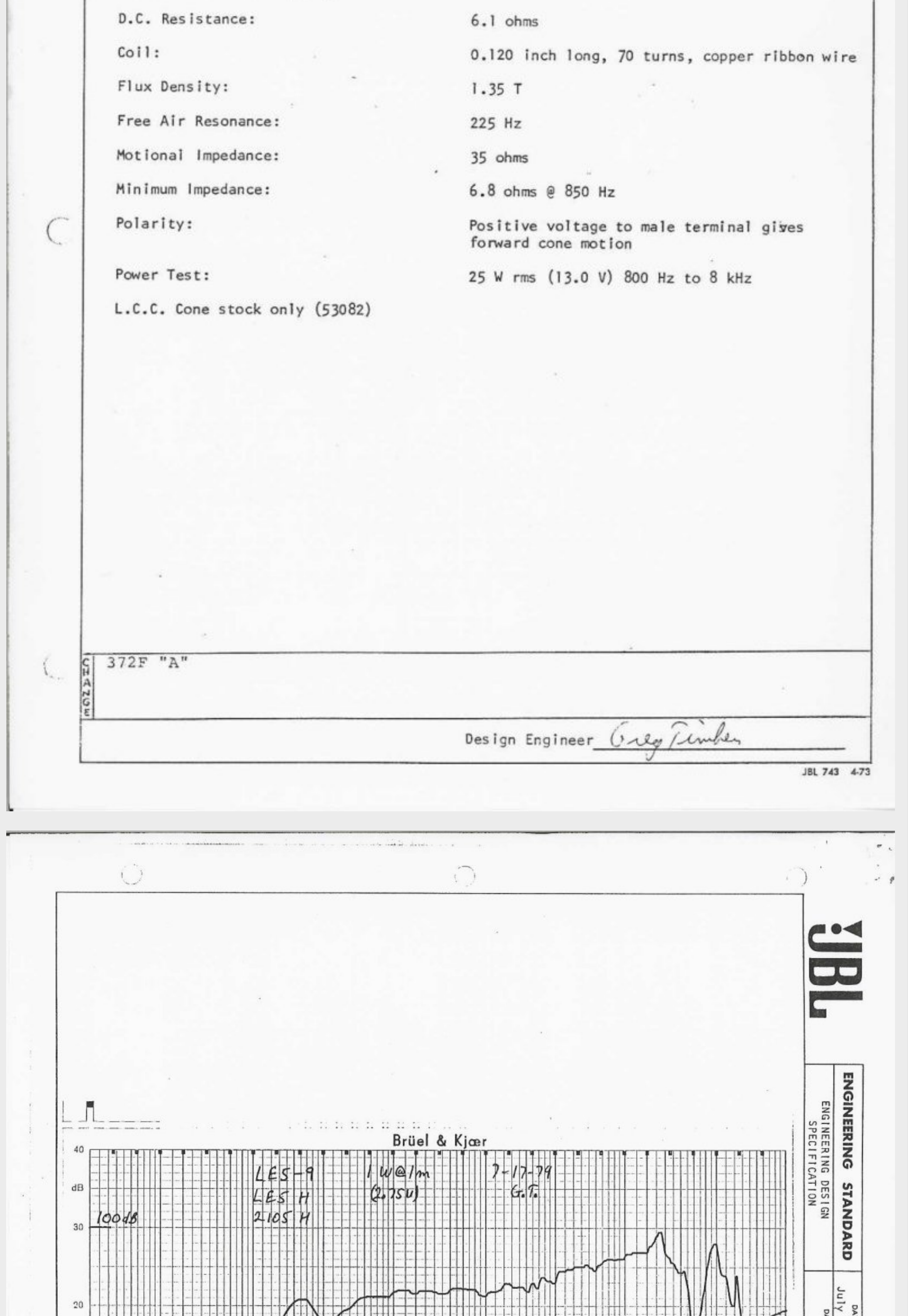
Join Date: Aug 2004

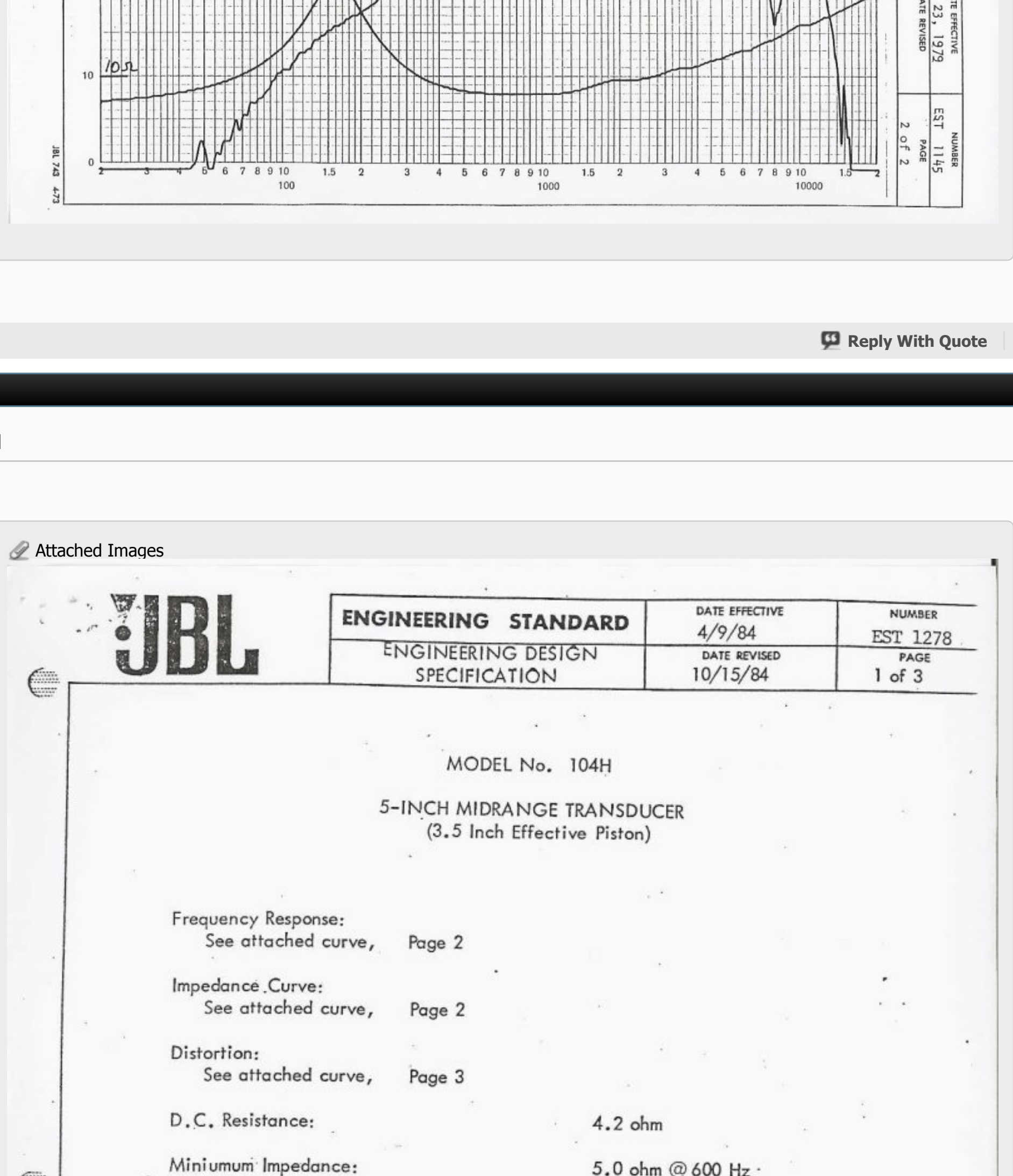
Location: Lansing Heritage

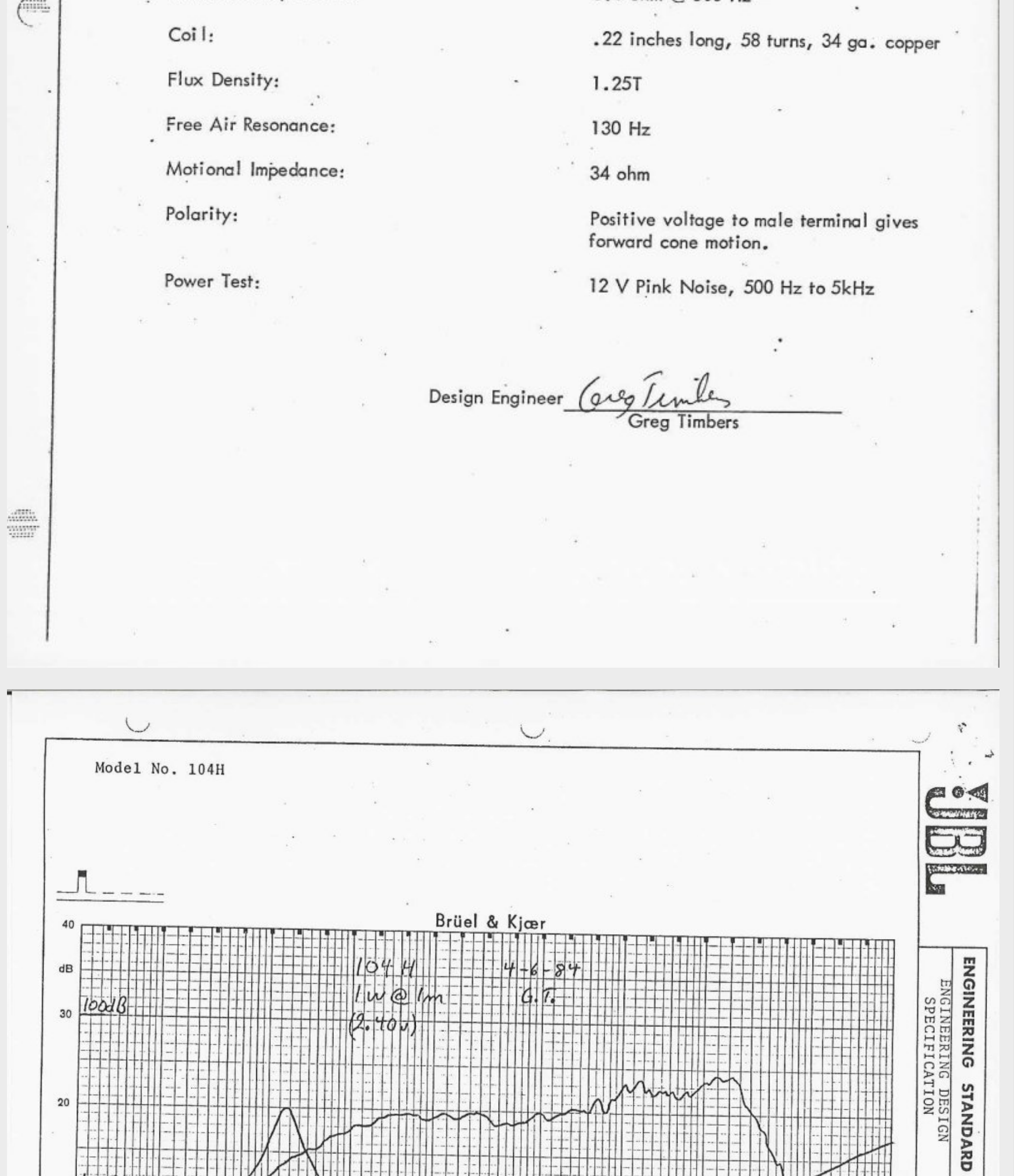
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

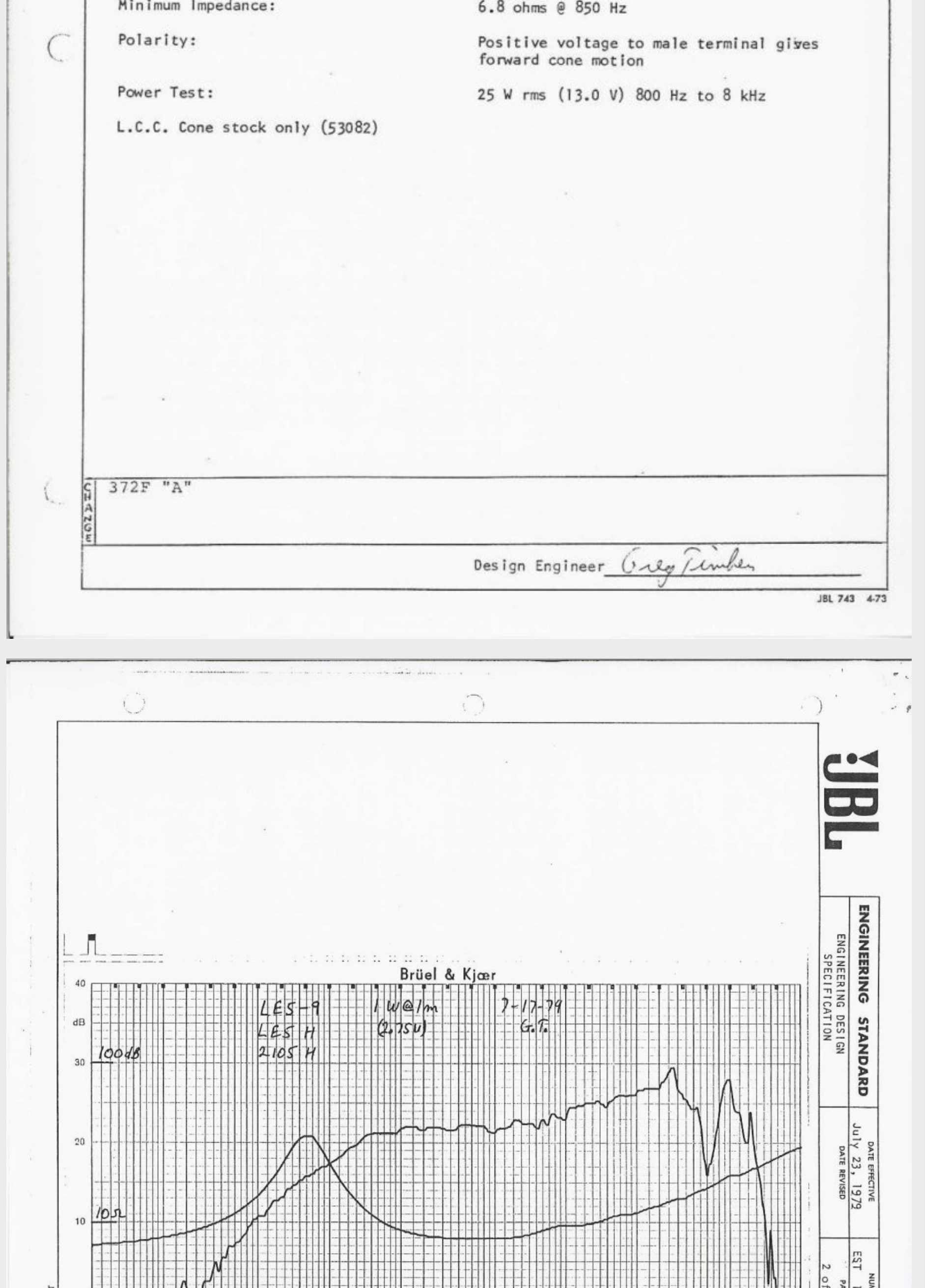
Join Date: Aug 2004

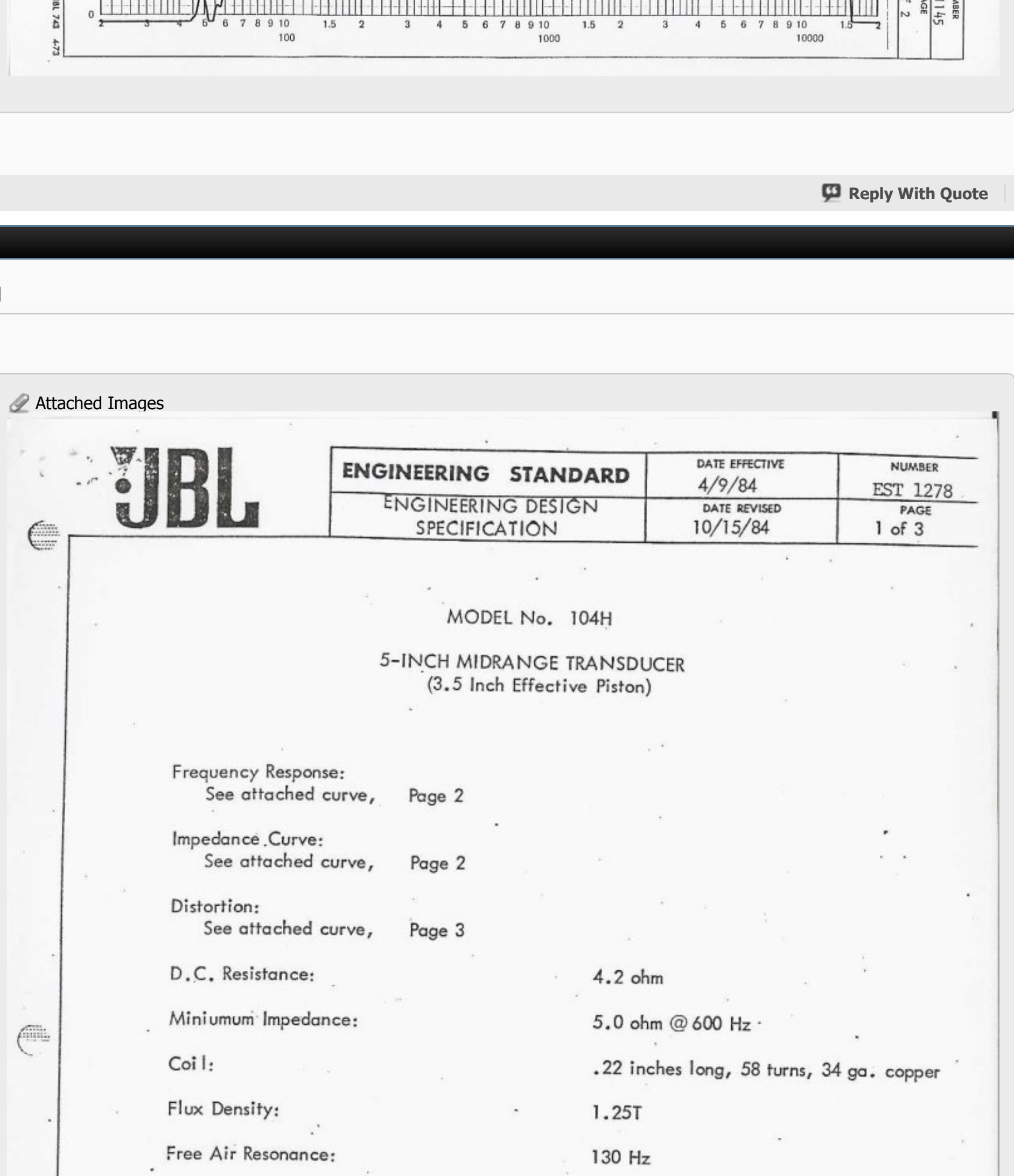
Location: Lansing Heritage

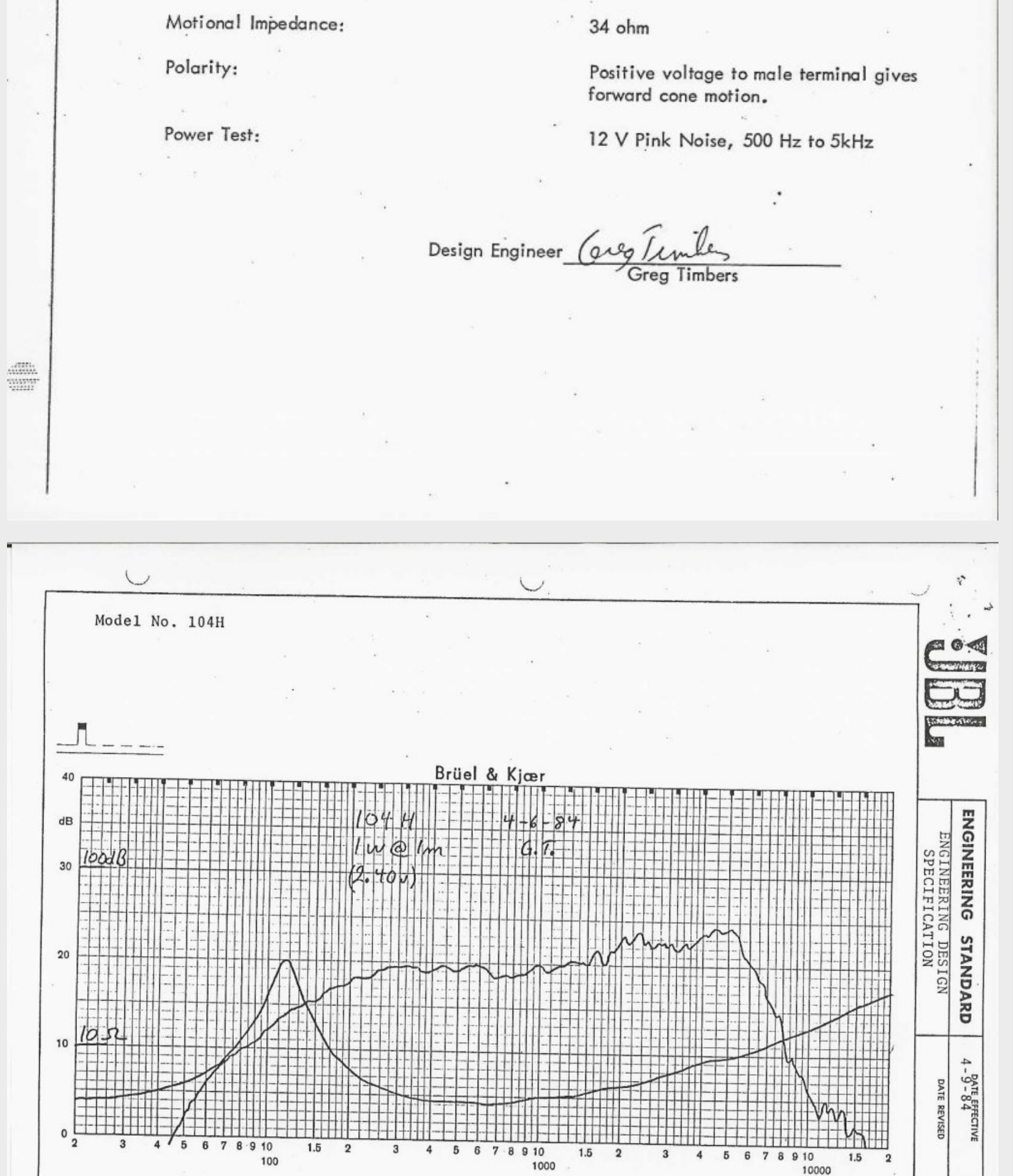
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

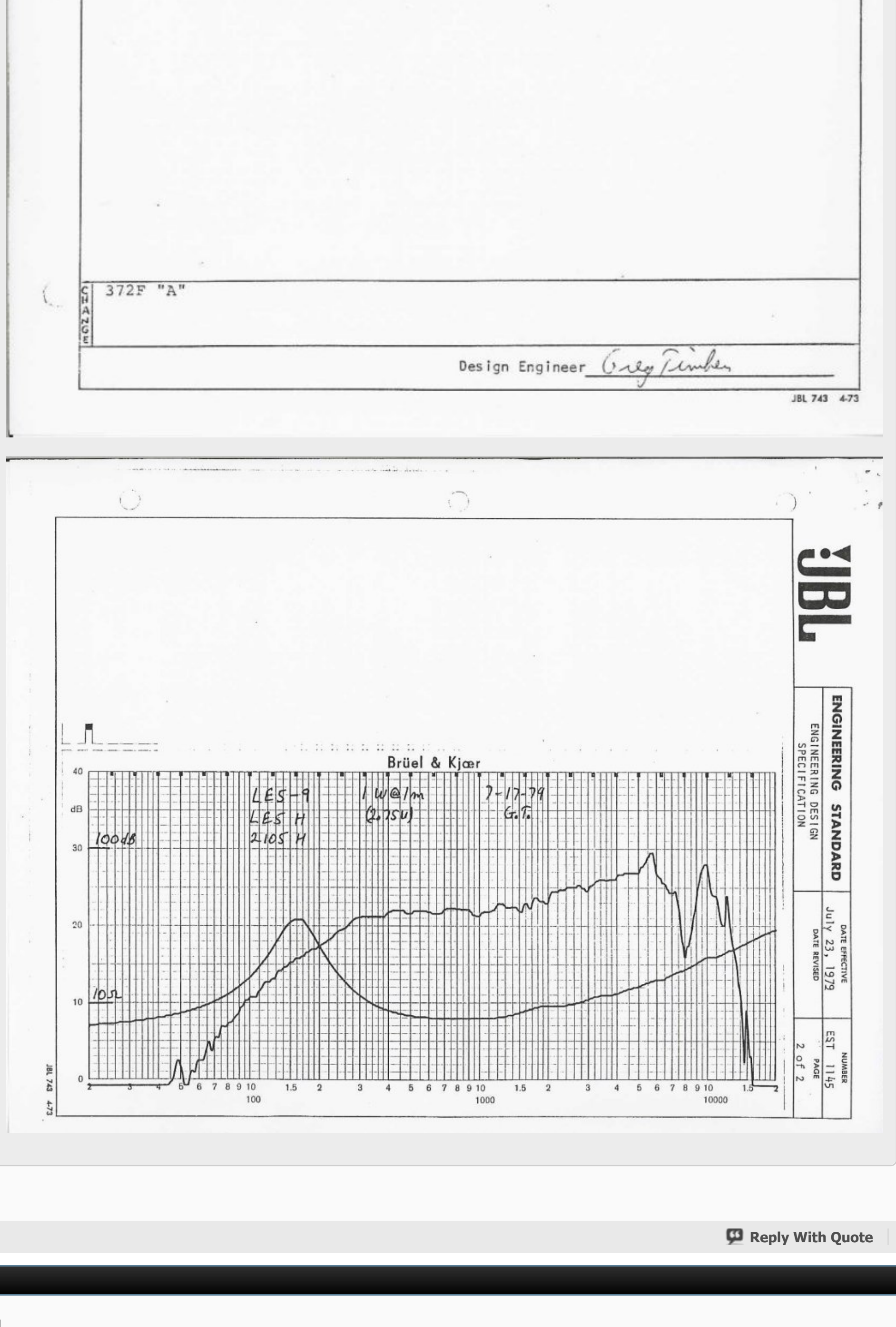
Join Date: Aug 2004

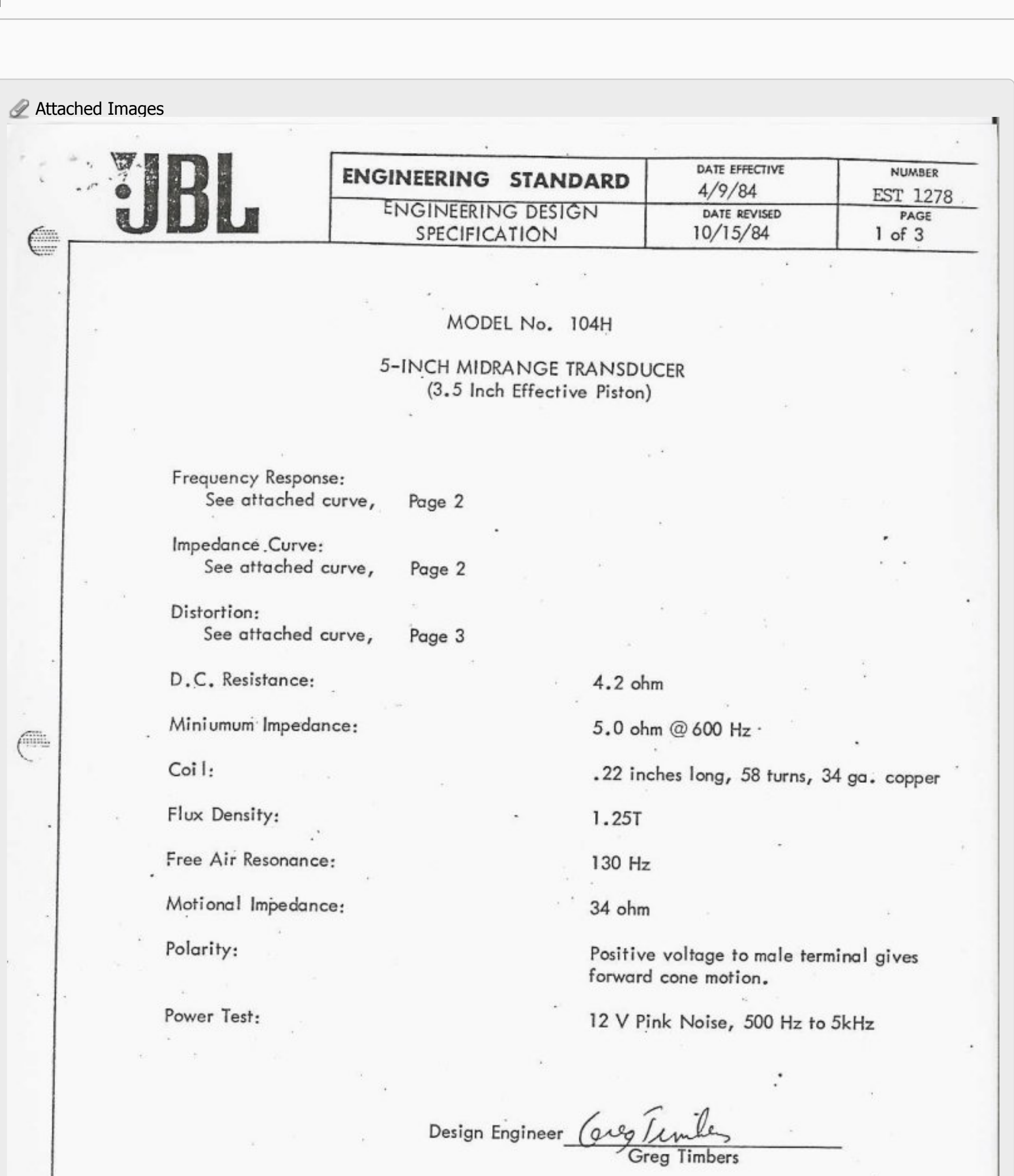
Location: Lansing Heritage

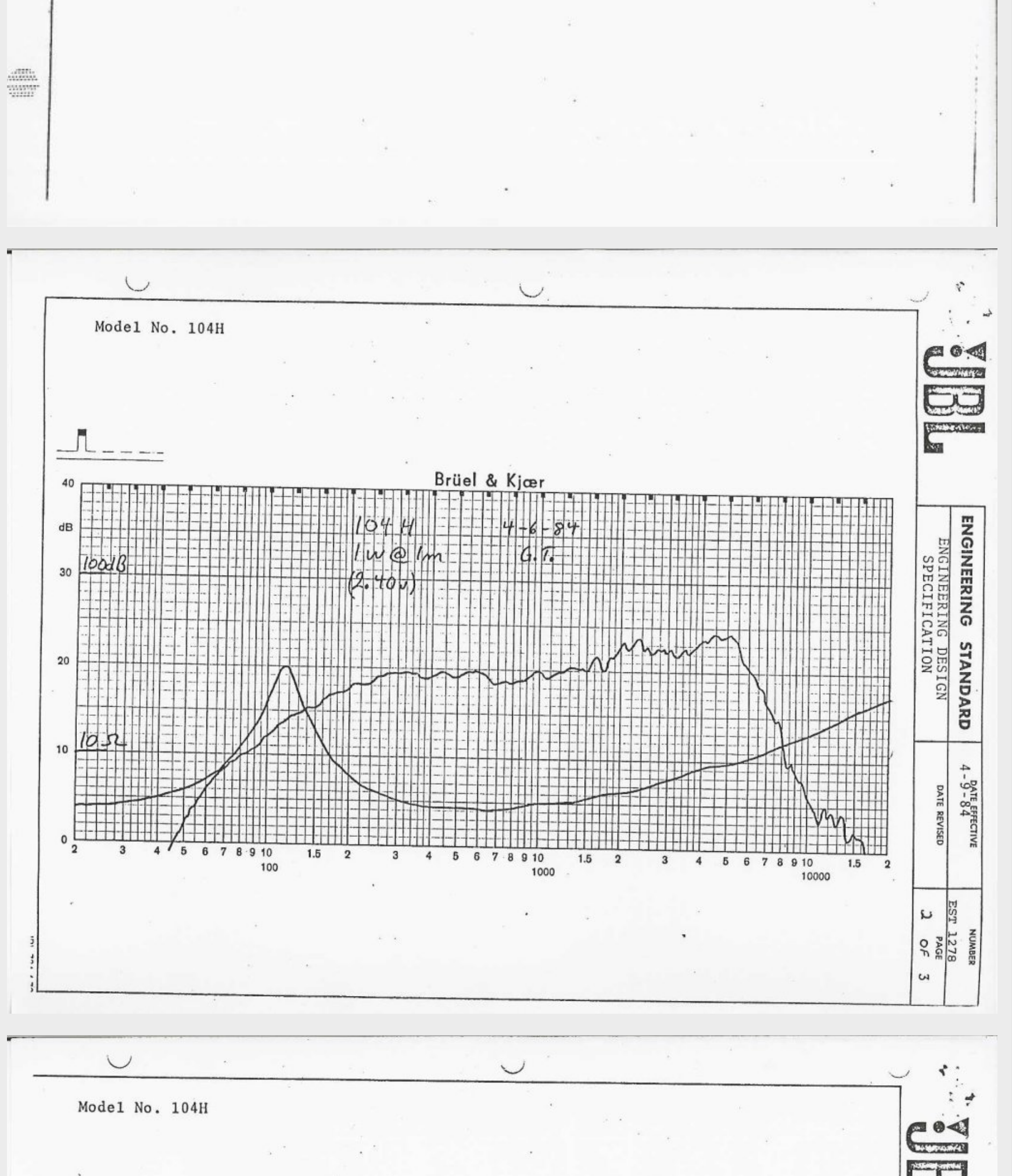
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

Join Date: Aug 2004

Location: Lansing Heritage

Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

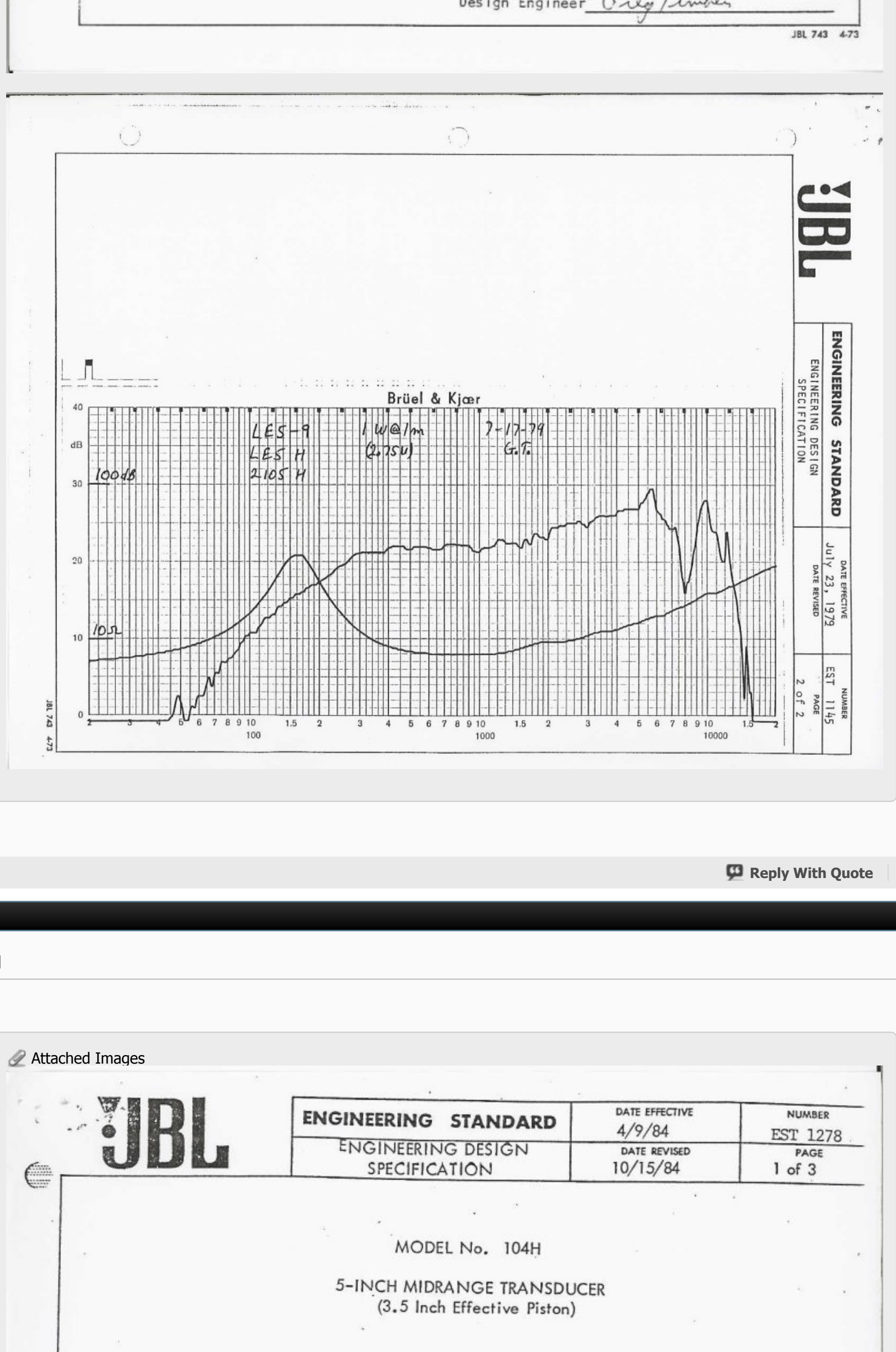
Join Date: Aug 2004

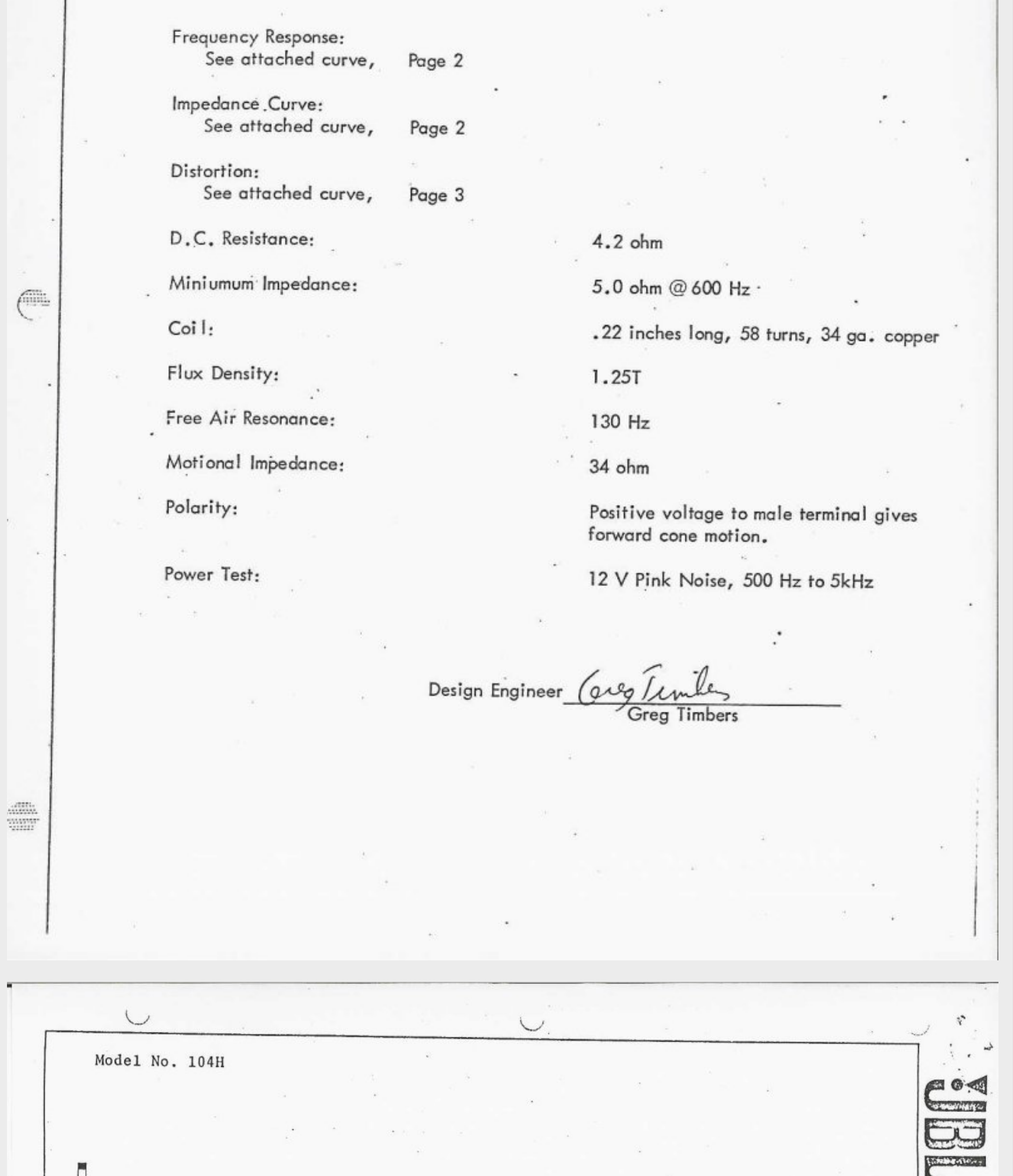
Location: Lansing Heritage

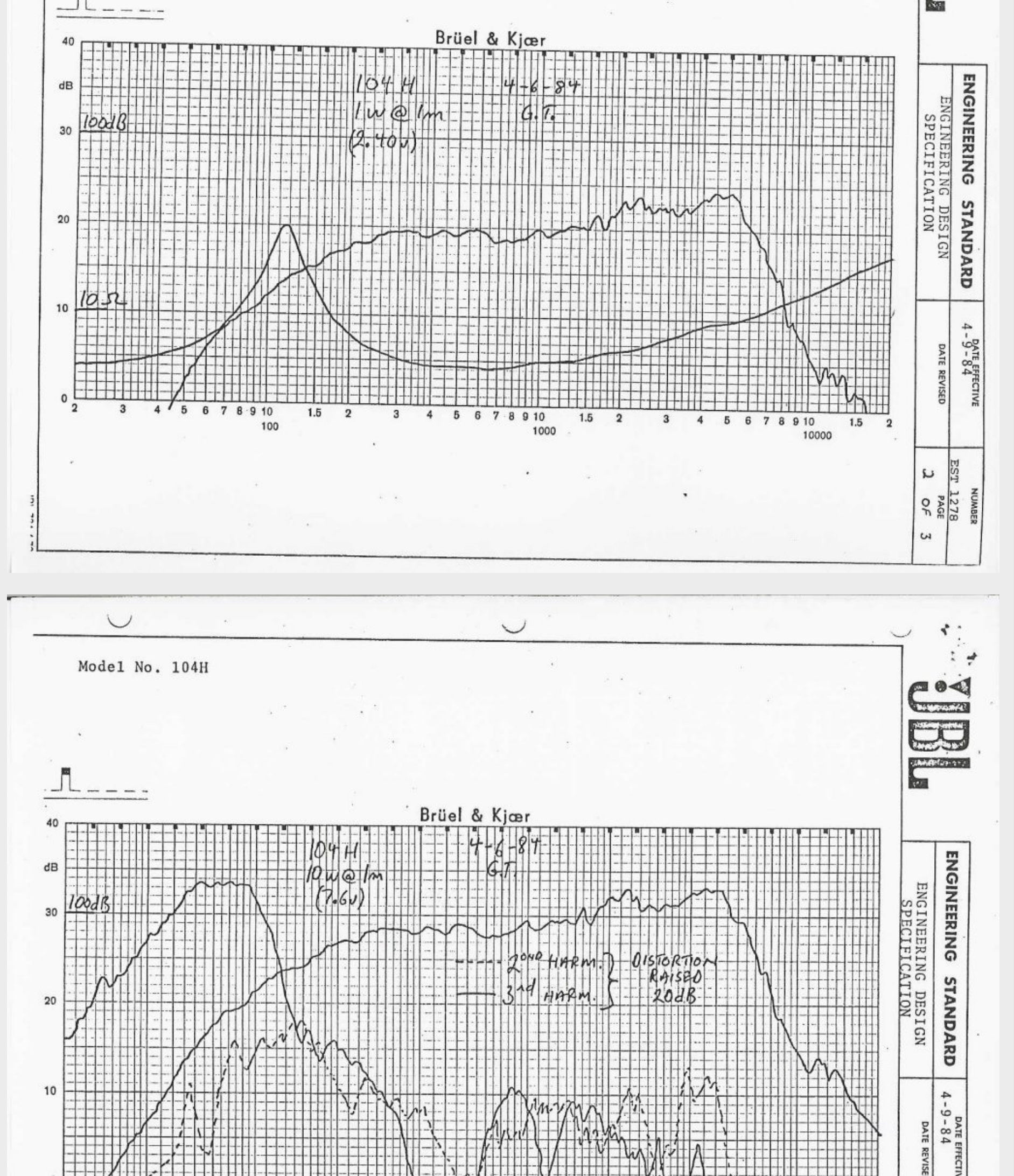
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

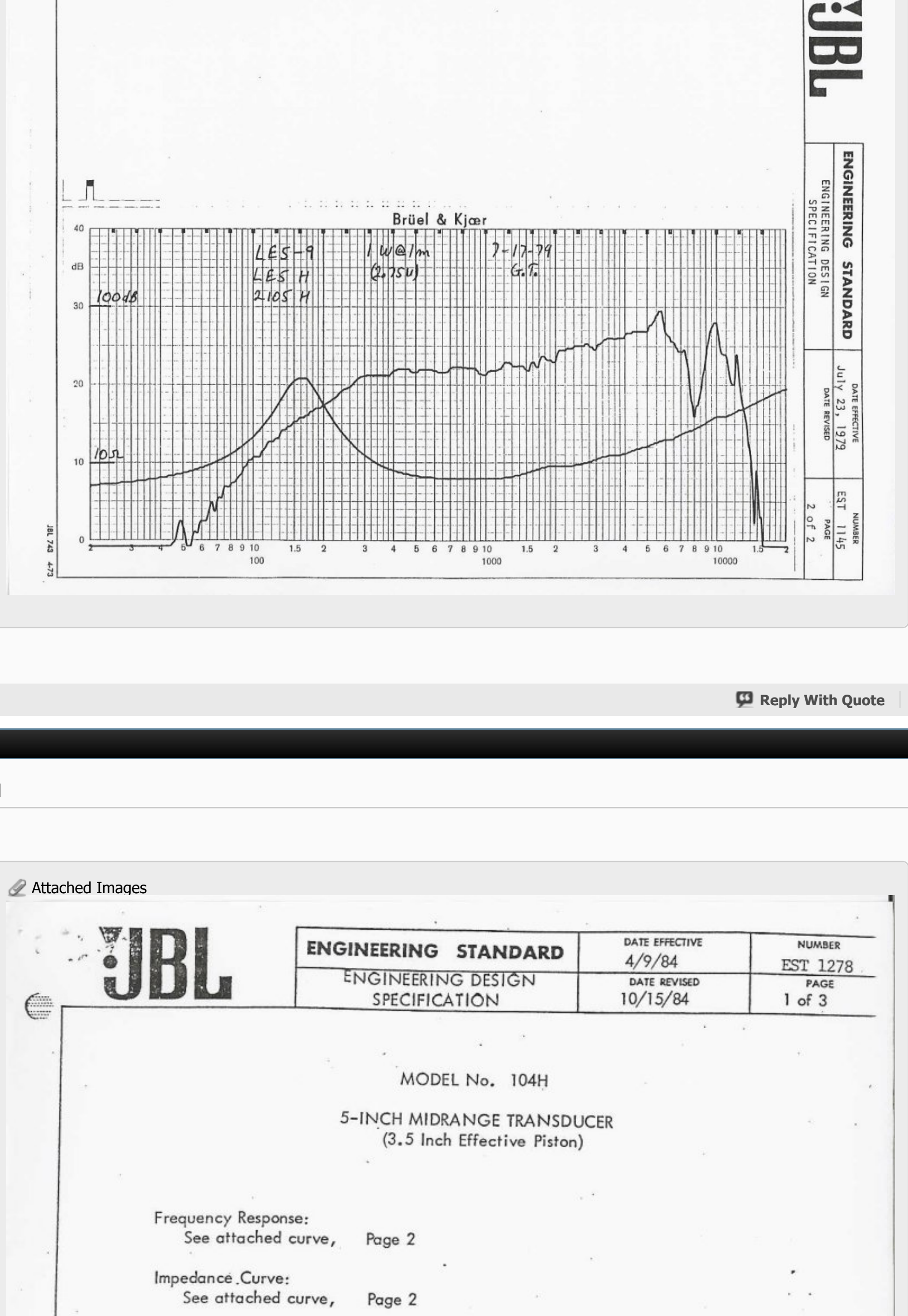
Join Date: Aug 2004

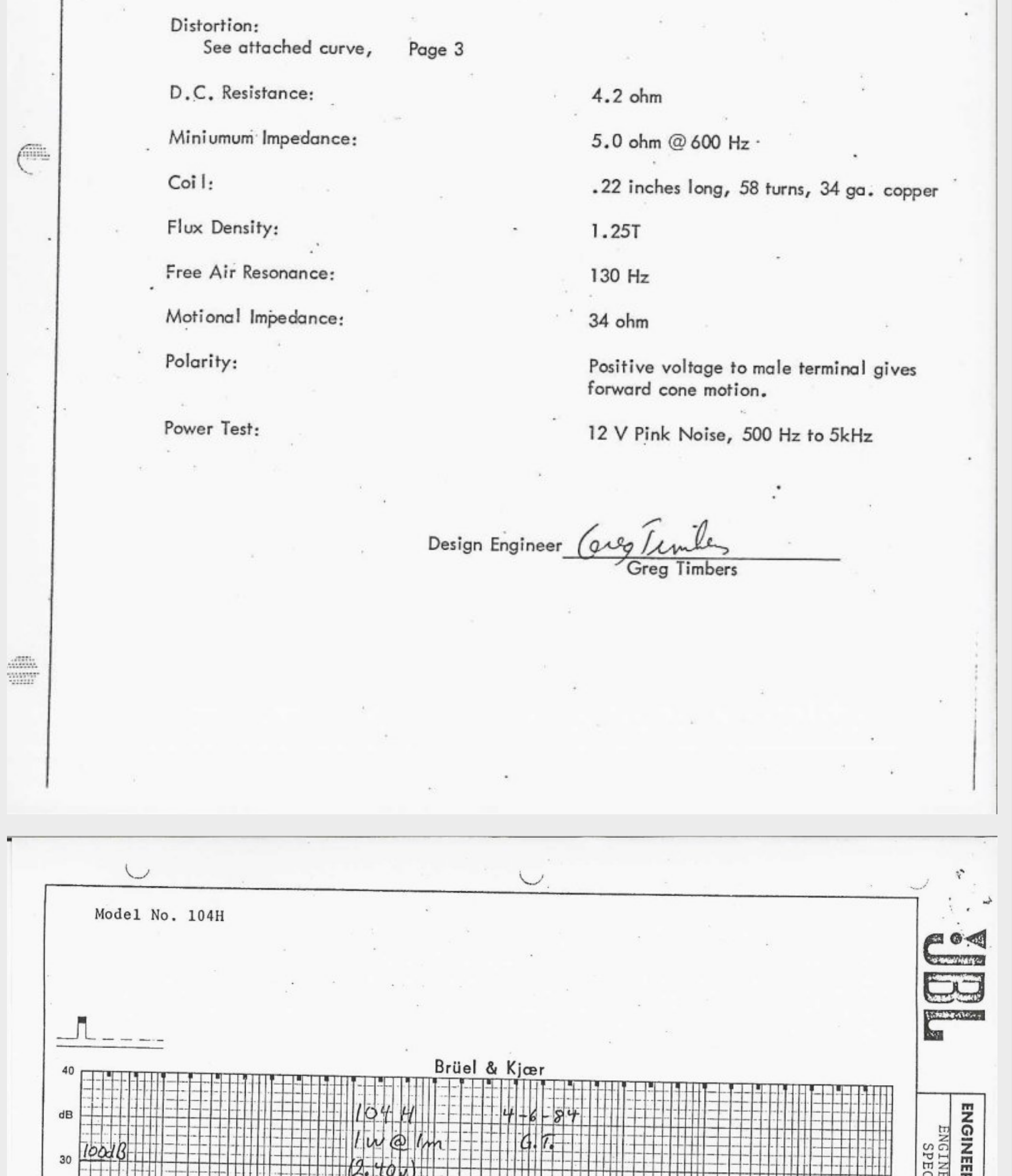
Location: Lansing Heritage

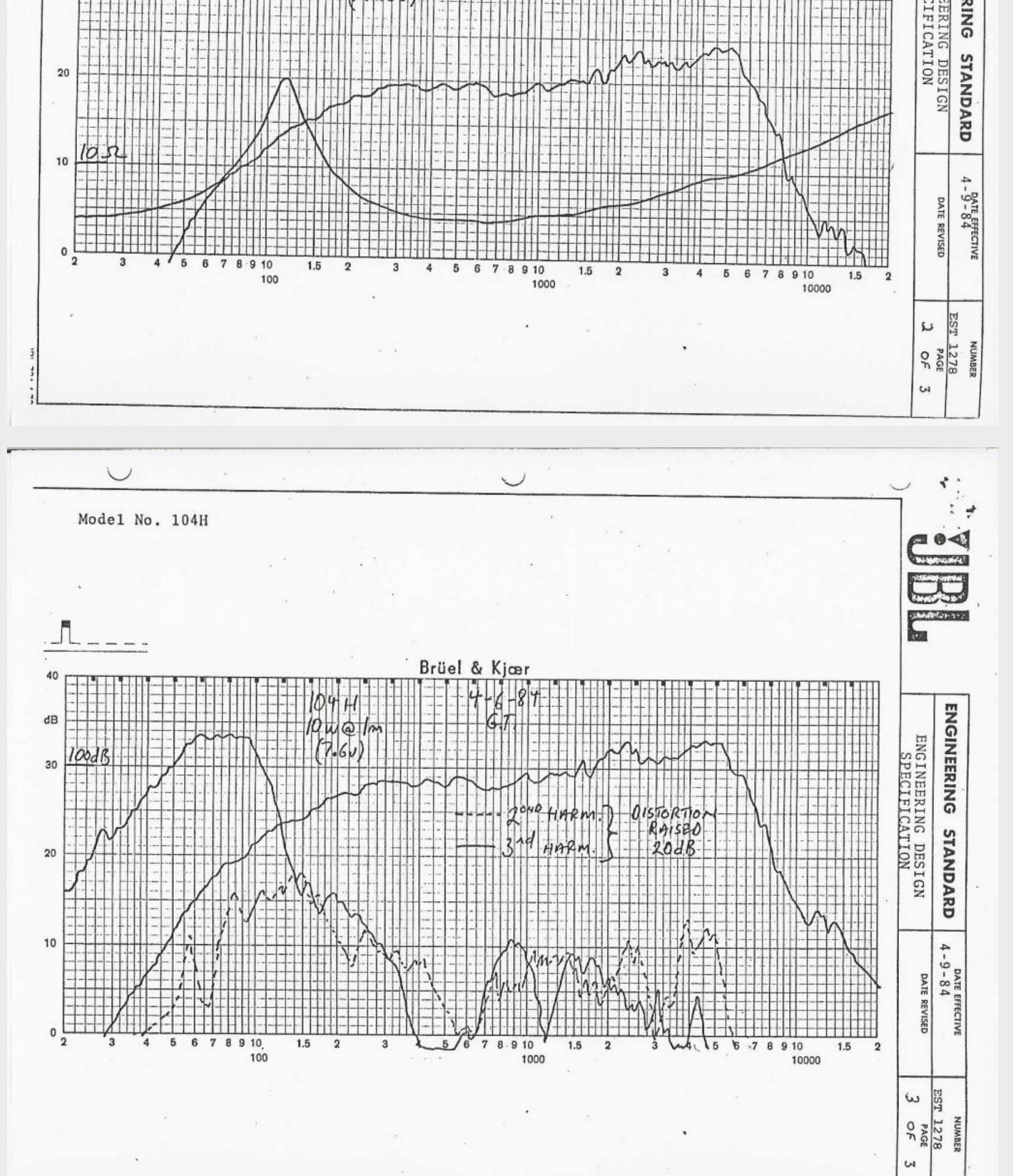
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

Join Date: Aug 2004

Location: Lansing Heritage

Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

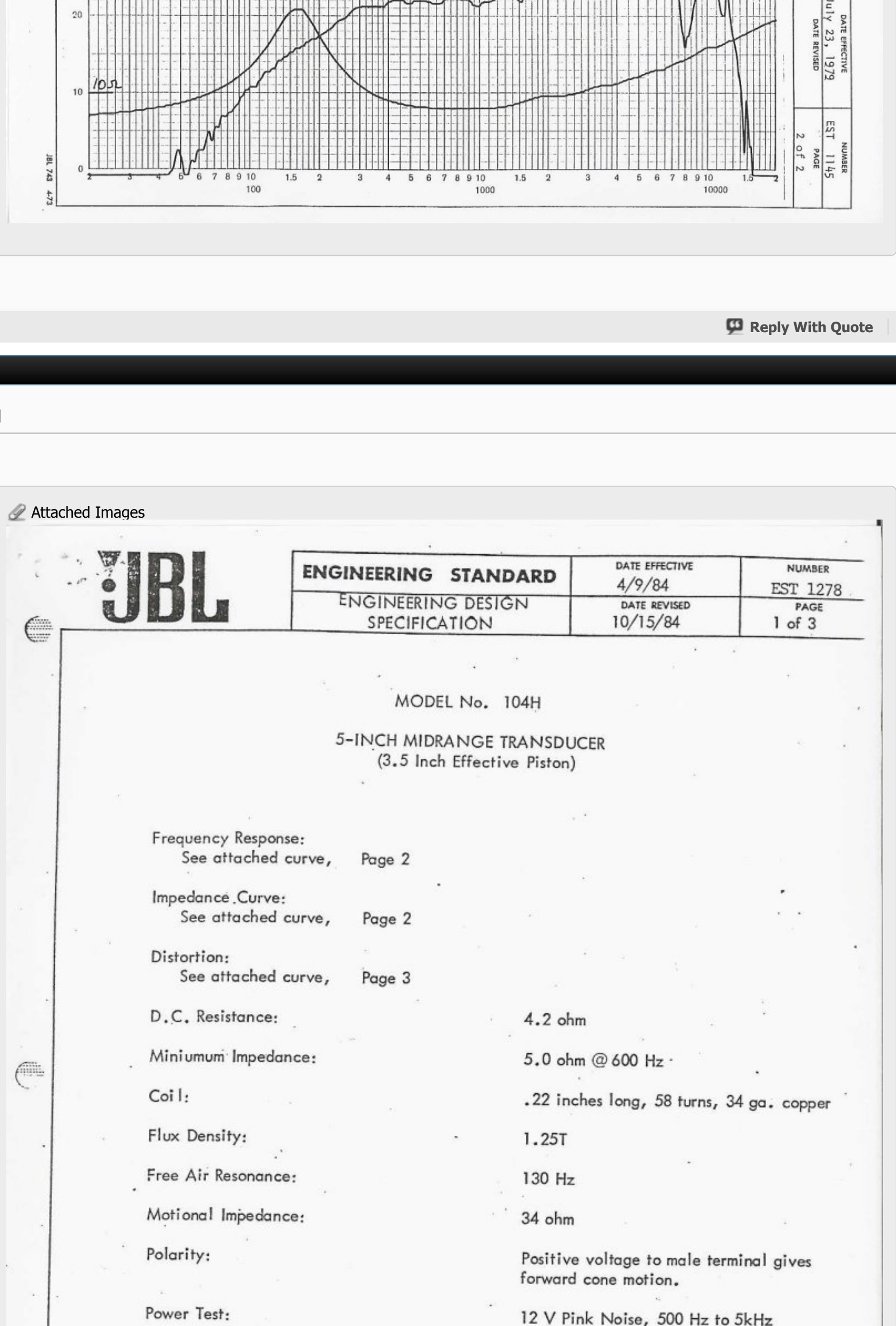
Join Date: Aug 2004

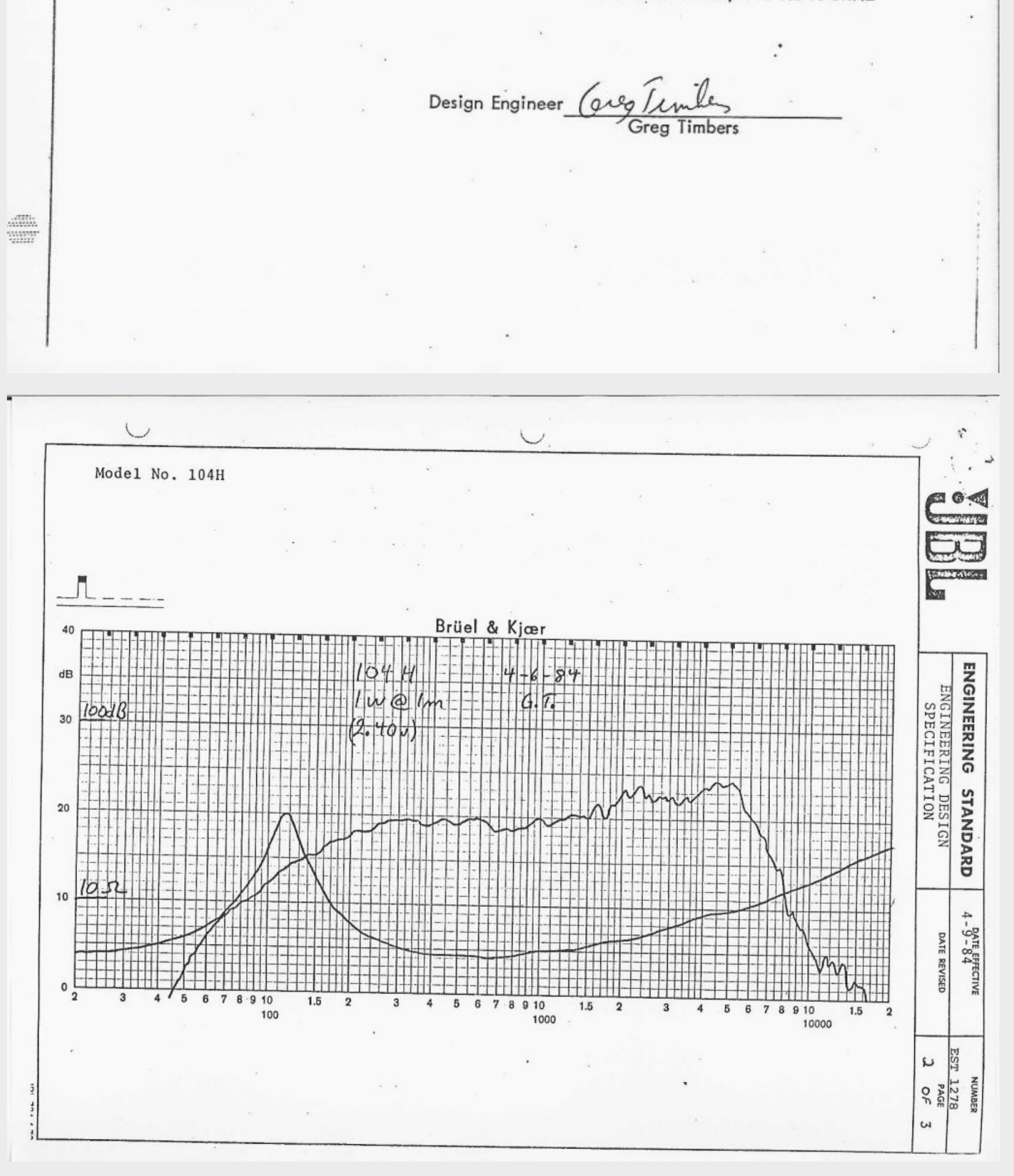
Location: Lansing Heritage

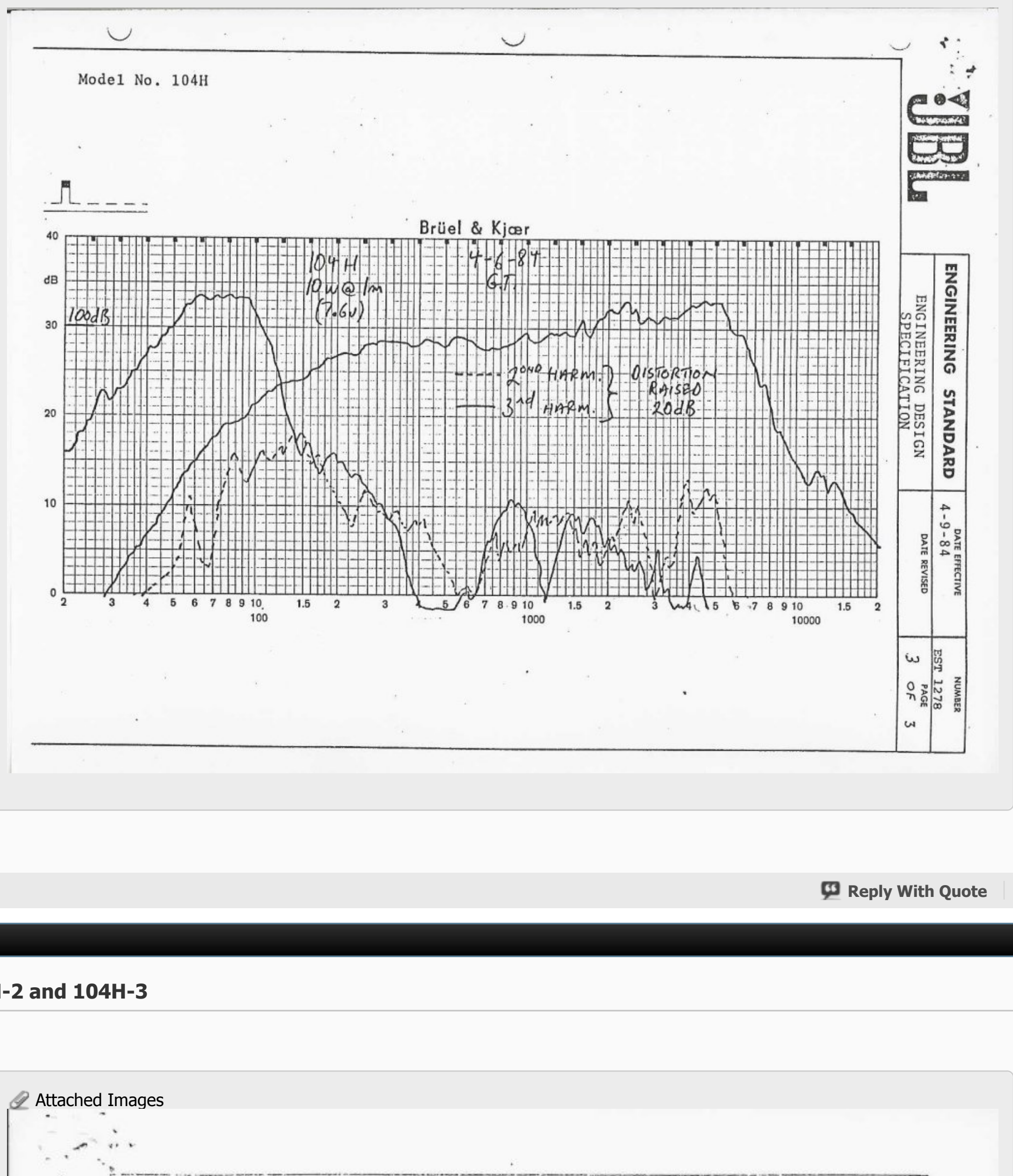
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

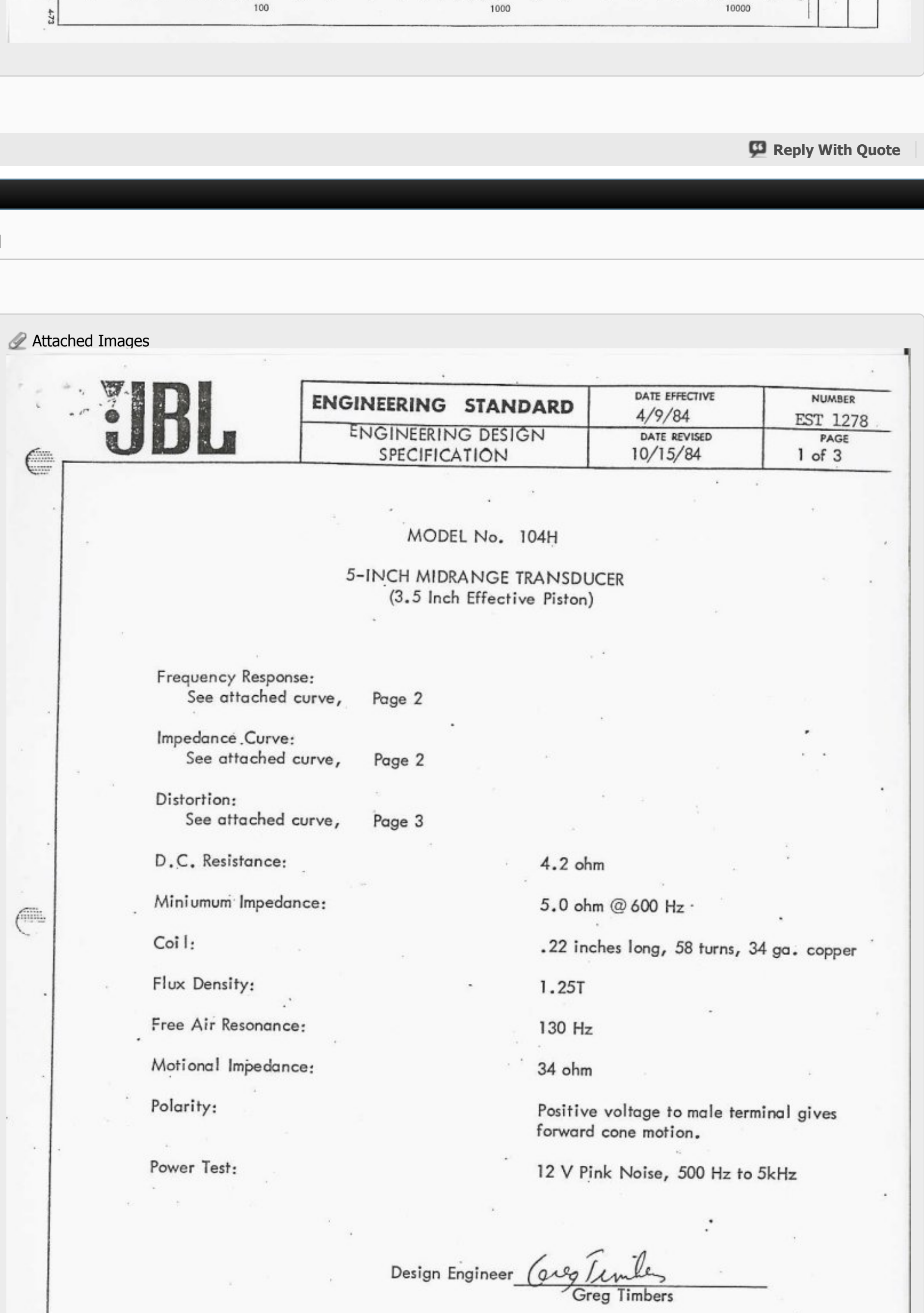
Join Date: Aug 2004

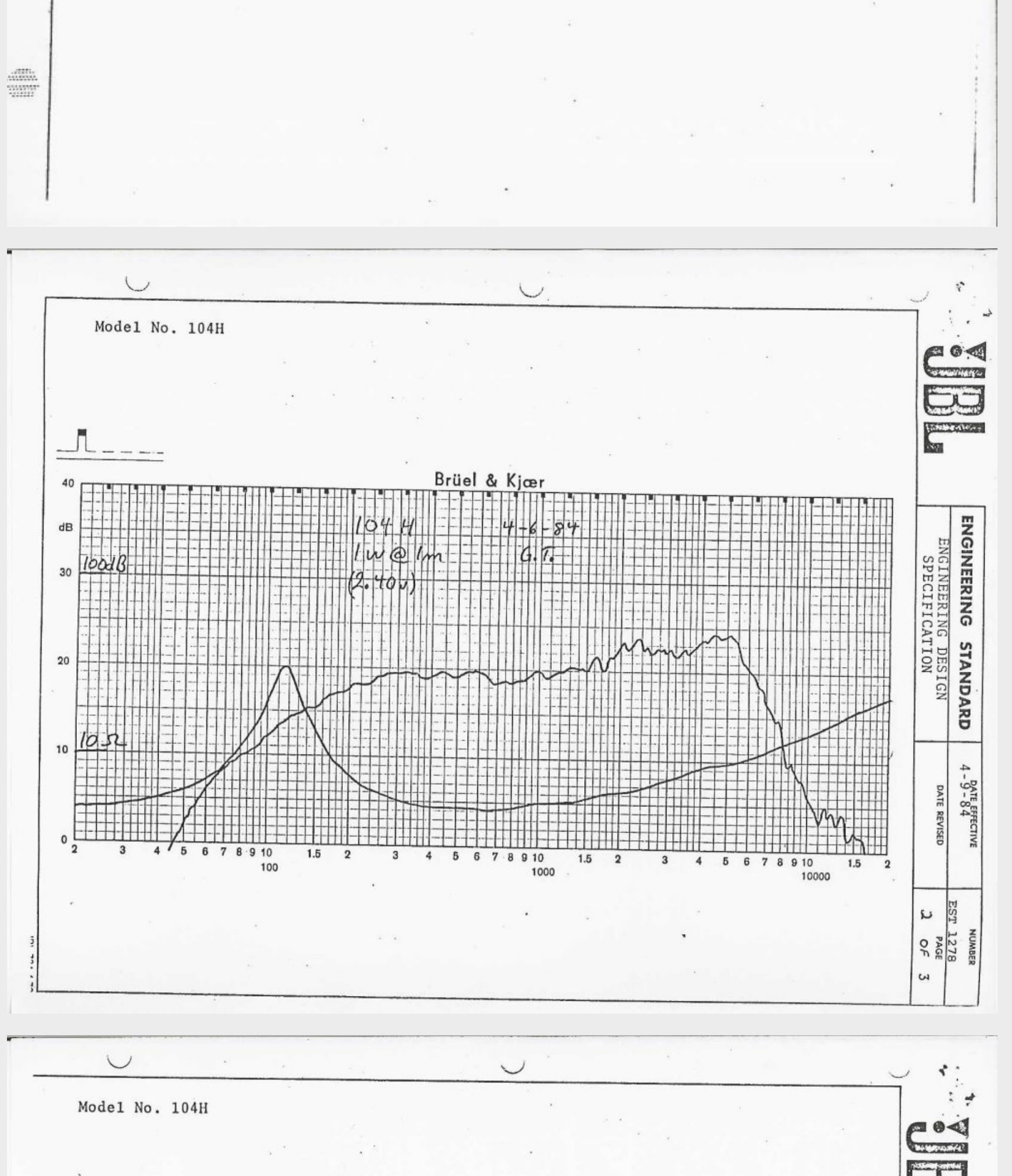
Location: Lansing Heritage

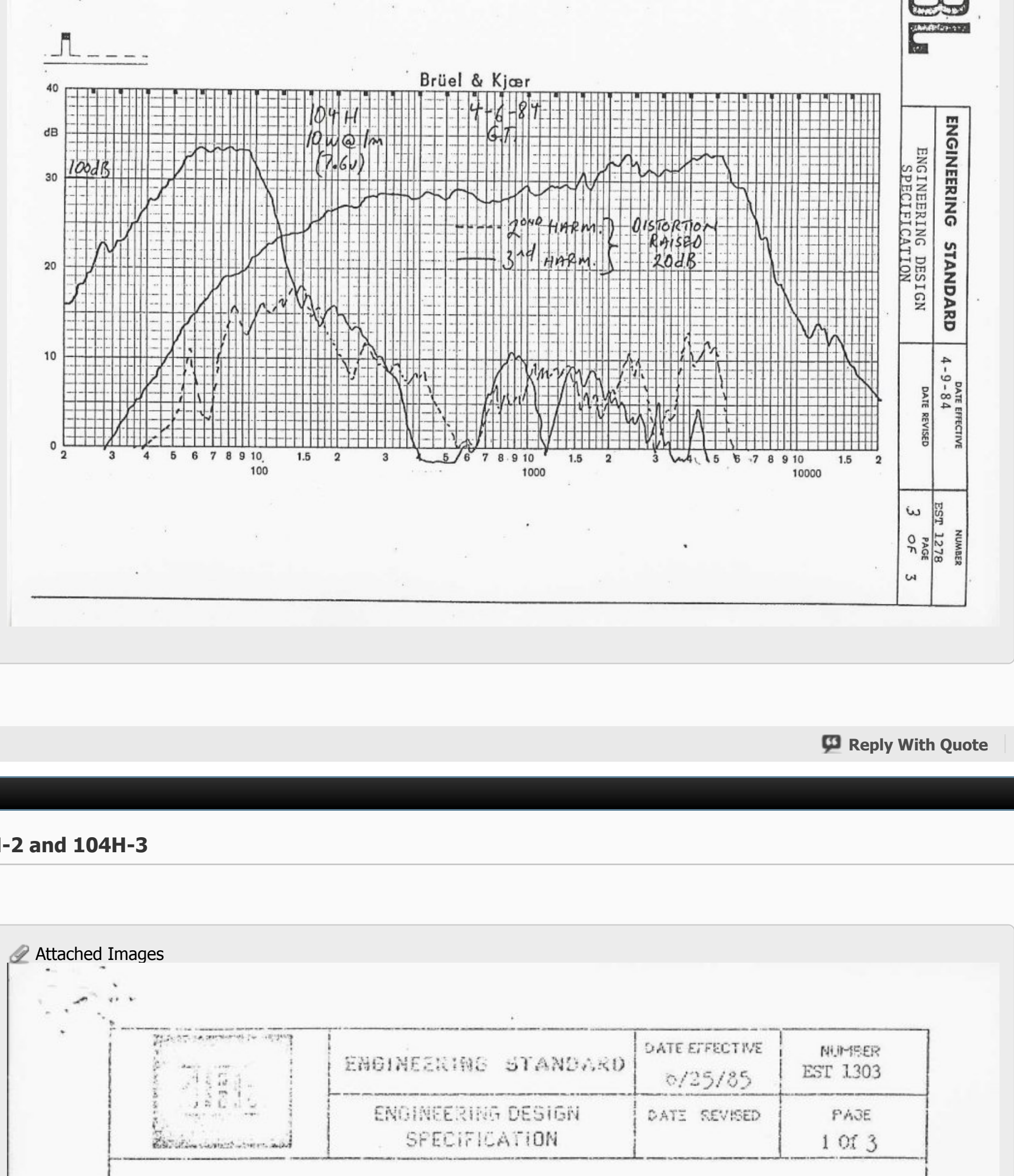
Posts: 681

104H-2 and 104H-3

Attached Images







01-25-2006, 05:02 PM

#6

Techbot

Senior Member

Join Date: Aug 2004

Location: Lansing Heritage

Posts: 681

104H-2 and 104H-3

Attached Images

