

## Specifications – Bamberg S2TM-pv Bookshelf Speaker

### **Transducers**

18cm woofer  
25mm tweeter

Peerless High Definition Sound with aluminum cone & copper ring  
Vifa DX25 wide surround, rear chamber, Ferro fluid

### **Impedance** (graph)

Nominal 8 ohm  
Minimum (@ 150 Hz) 6.2 ohm  
Phase (@85 / 500 Hz) -21 / +29 degrees

### **Bandwidth**

-6dB, sealed 48 to 24k Hz

### **Amplitude response** (graph)

To 19k Hz +/- -1.5 dB

### **Dispersion** (graph)

### **Sensitivity**

2.83V@1-Meter full space 82.5 dB

### **Bass alignment**

Sealed -3dB @65 Hz, 0.7Q roll off

### **Inter-driver Phase response**

100 Hz to 7k Hz Less than 40° phase difference

### **Recommended amplifier power**

20W to 140W

### **Crossover**

Elements 14 (6 in the series signal paths)  
EQ/Phase compensation 5 elements in 2 circuits  
Alignment – midrange / tweeter Linkwitz-Riley 24 dB/oct @ 1.8 kHz

### **Dimensions (with grilles); Weight (Net)**

15.8"H x 8.7"W x 13.4"D; 25 lb. [40cm x 22cm x 34cm; 11.4kg]

### **Dimensions; Weight (Ship)**

18.5"L x 13.75"W x 20.25"H; 28.7 lb. [47cm x 35cm x 51cm; 13.0kg]

***Magnetically Shielded***

No

***Mounting Options***

Shelf/stand mount with rubber threaded cone feet

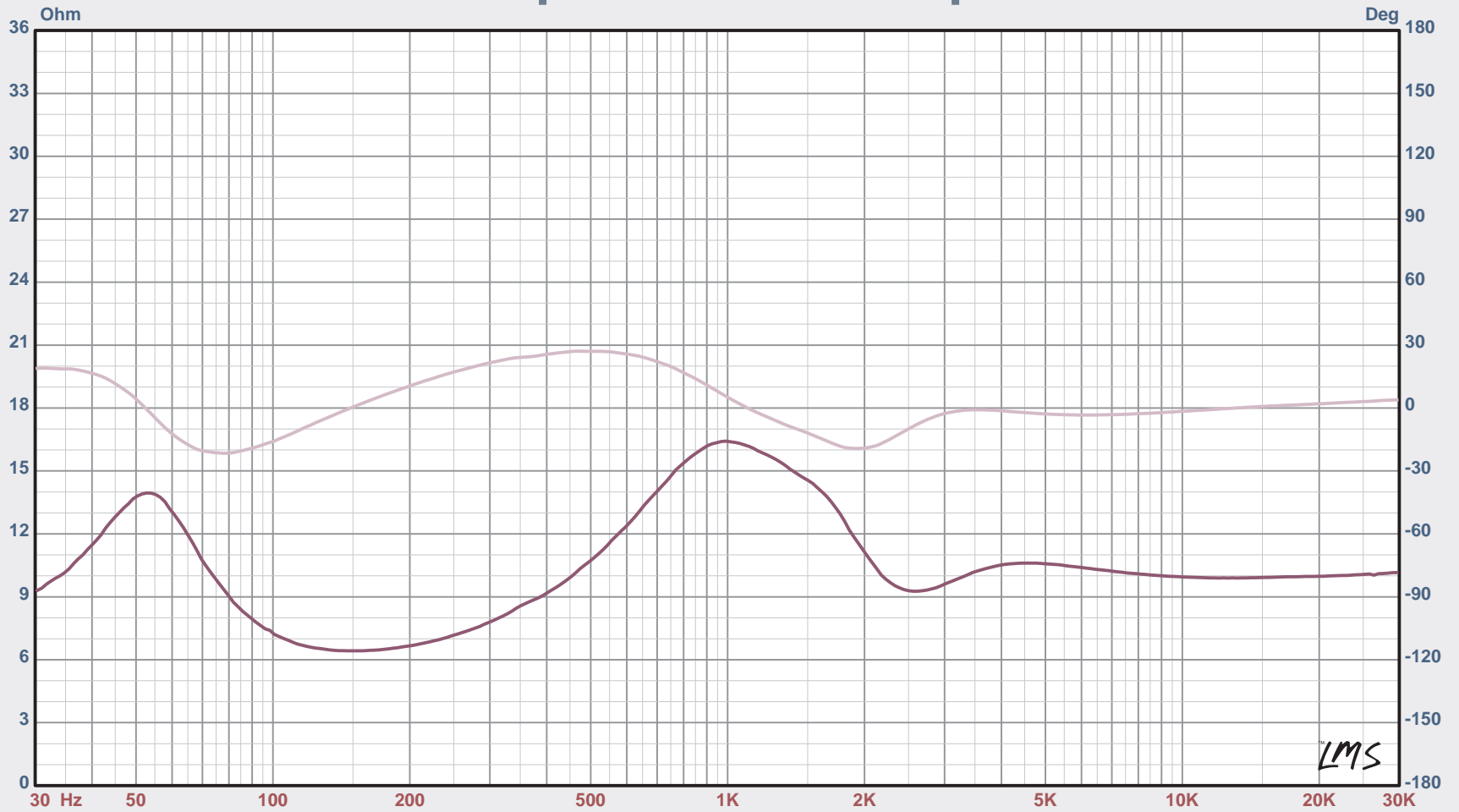
***Enclosure Material***

MDF w/ internal bracing

***Finish***

High gloss black paint, satin black baffle, black fabric grille

# Impedance vs Freq



LMS

Map

— 36: Z 1v Woofer + Tweeter

Notes

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LMS

4.6.0.371  
May/29/2007

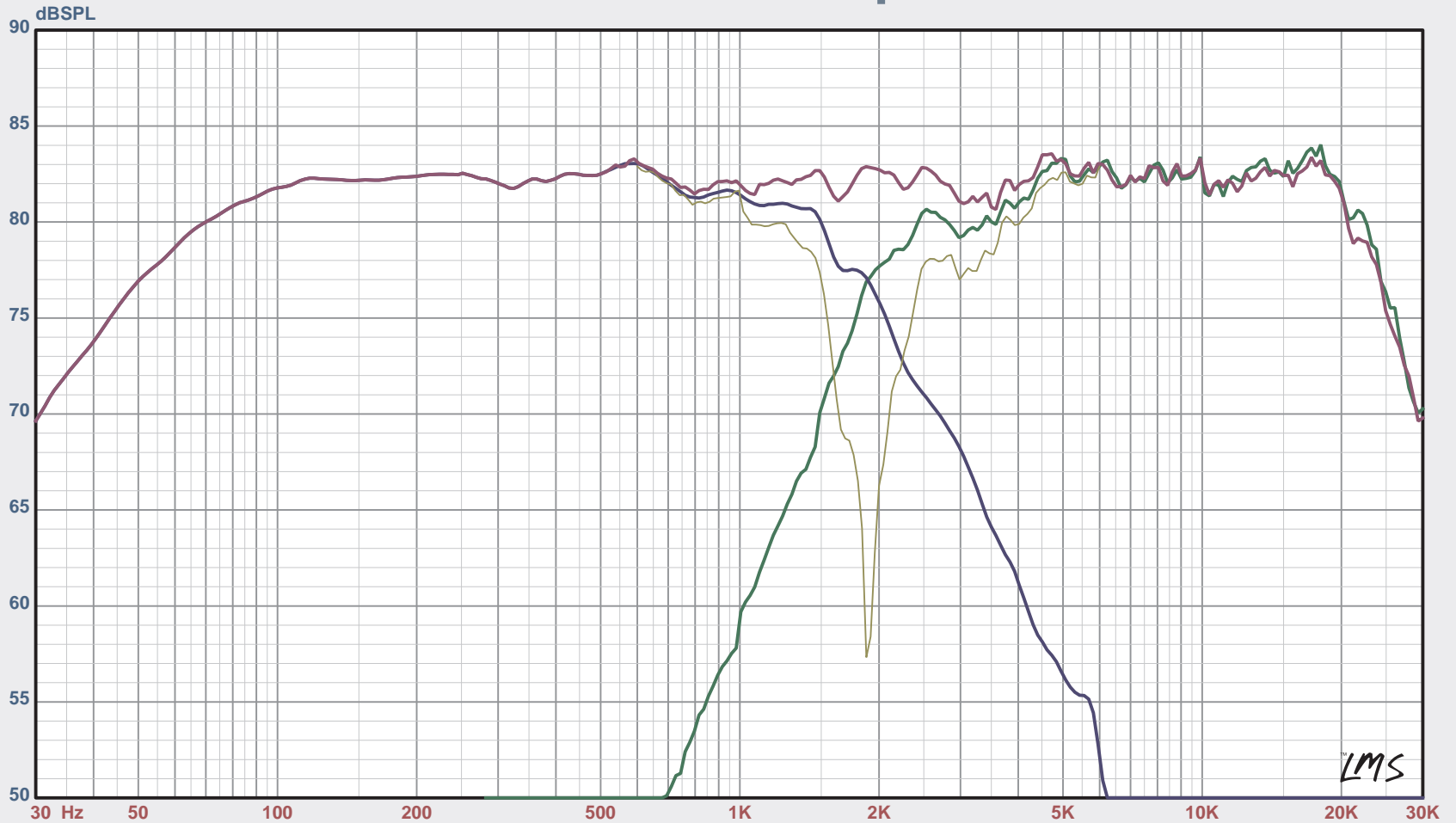
Person: Philip E Bamberg  
Company: Bamberg Audio

Project: S2TM-pv  
File: s2tm-pv\_publish.lib

Feb 25, 2013  
Mon 2:04 pm

LINEAR X  
S Y S T E M S

# SPL vs Freq



LMS

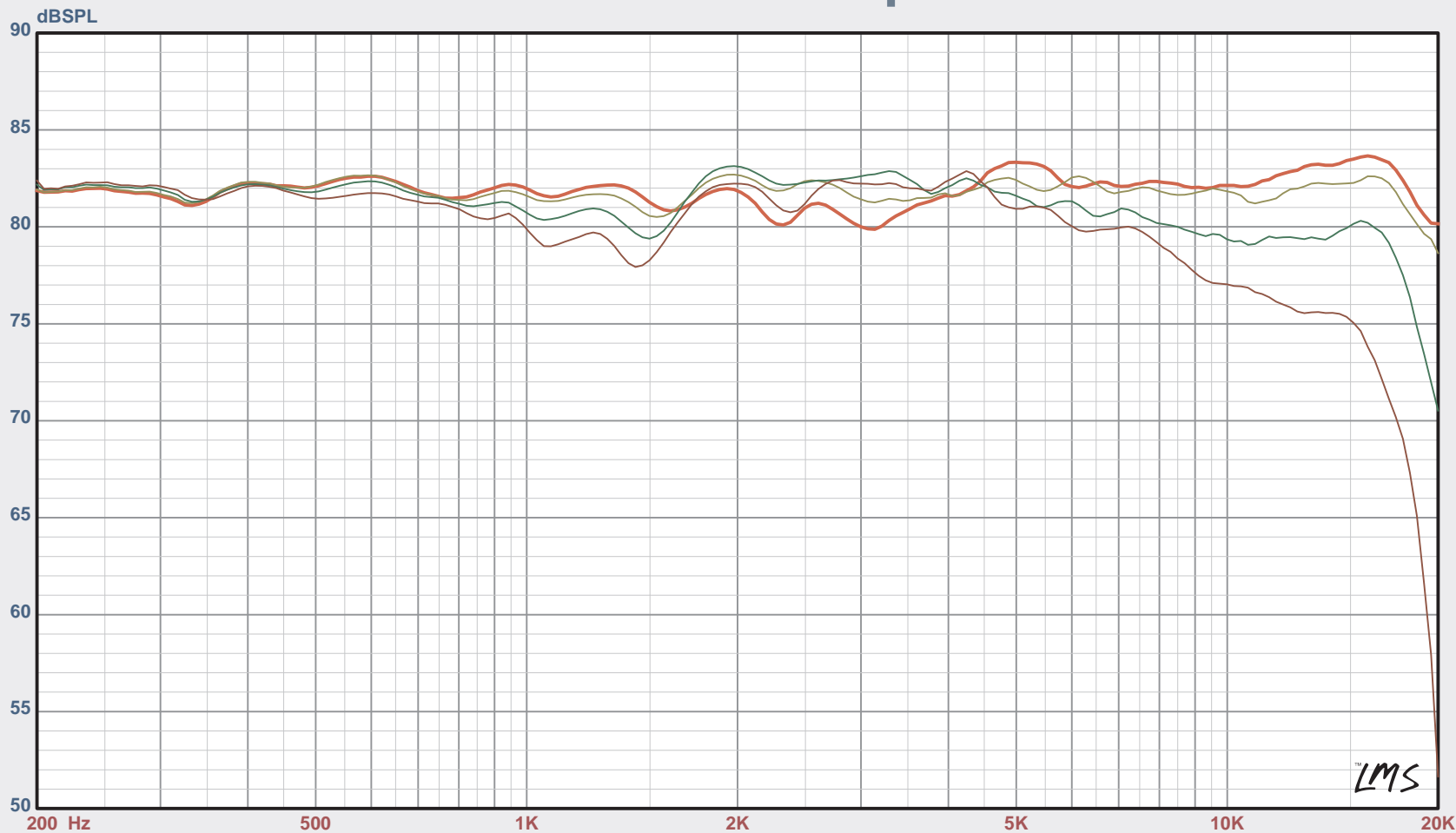
Map

- 31: 2Mgp 2.8v 10h Tweeter
- 32: 2Mgp 2.8v 10h Woofer sealed 1/6
- 33: 2Mgp 2.8v 10h Woofer - Tweeter
- 34: 2Mgp 2.8v 10h Woofer + Tweeter sealed

Notes

All curves referenced to full space.  
 Speaker at 10 degrees off horizontal axis; on vertical reference axis.  
 100 points per decade resolution, no smoothing

# SPL vs Freq



LMS

Map

- 6: 00H
- 7: 15H
- 8: 30H
- 9: 45H

Notes

HORIZONTAL POLAR RESPONSE

Smoothed 1/12

LMS

4.6.0.371  
May/29/2007

Person: Philip E Bamberg  
Company: Bamberg Audio

Project: S2TM-pv  
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Apr 6, 2013  
Sat 11:42 am

LINEAR X  
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