

Specifications – Bamberg S2TM-ss Bookshelf Speaker

Transducers

18cm woofer	ScanSpeak 18W/8434
25mm tweeter	ScanSpeak D2604/8300

Impedance *(graph)*

Nominal	8 ohm
Minimum (@ 170 Hz)	4.9 ohm
Phase (@90 / 500 Hz)	-25 / +20 degrees

Bandwidth

-6dB, sealed	55 to 25k Hz
--------------	--------------

Amplitude response *(graph)*

To 13k Hz	+/- 1.5 dB
-----------	------------

Dispersion *(graph)*

Sensitivity

2.83V@1-Meter full space	86 dB
--------------------------	-------

Bass alignment

Sealed	-3dB @75 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 (5 in the series signal paths)
EQ/Phase compensation	5 elements in 2 circuits
Alignment – midrange / tweeter	Linkwitz-Riley 24 dB/oct @ 1.9 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

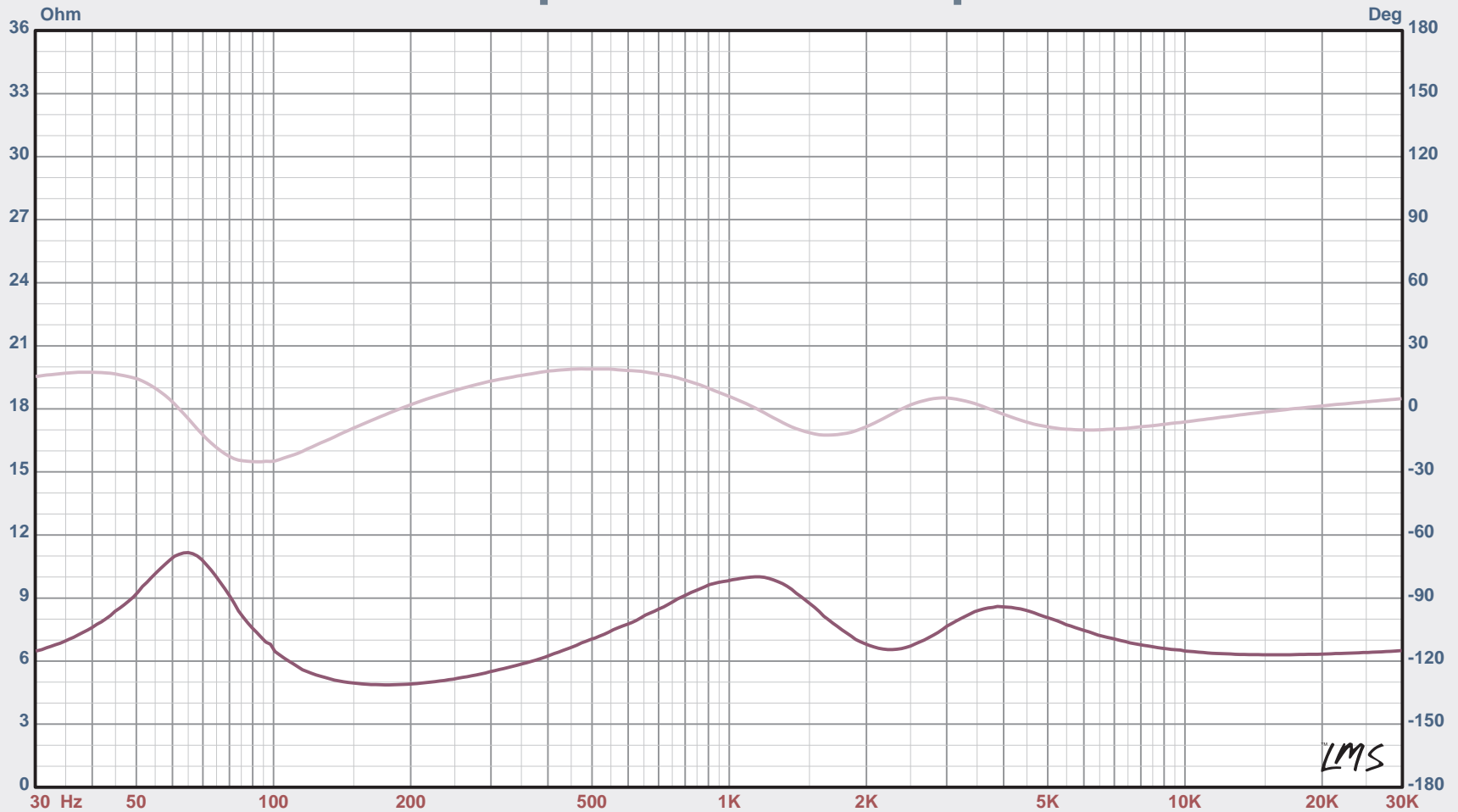
Enclosure Material

MDF w/ internal bracing

Finish

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

Impedance vs Freq



Map

— 94: Z 1v System

Notes

Impedance at 1 volt - Midbass + Tweeter

Data Measured: Feb 17, 2011 Thr 4:06 pm

LMS

4.6.0.371
May/29/2007

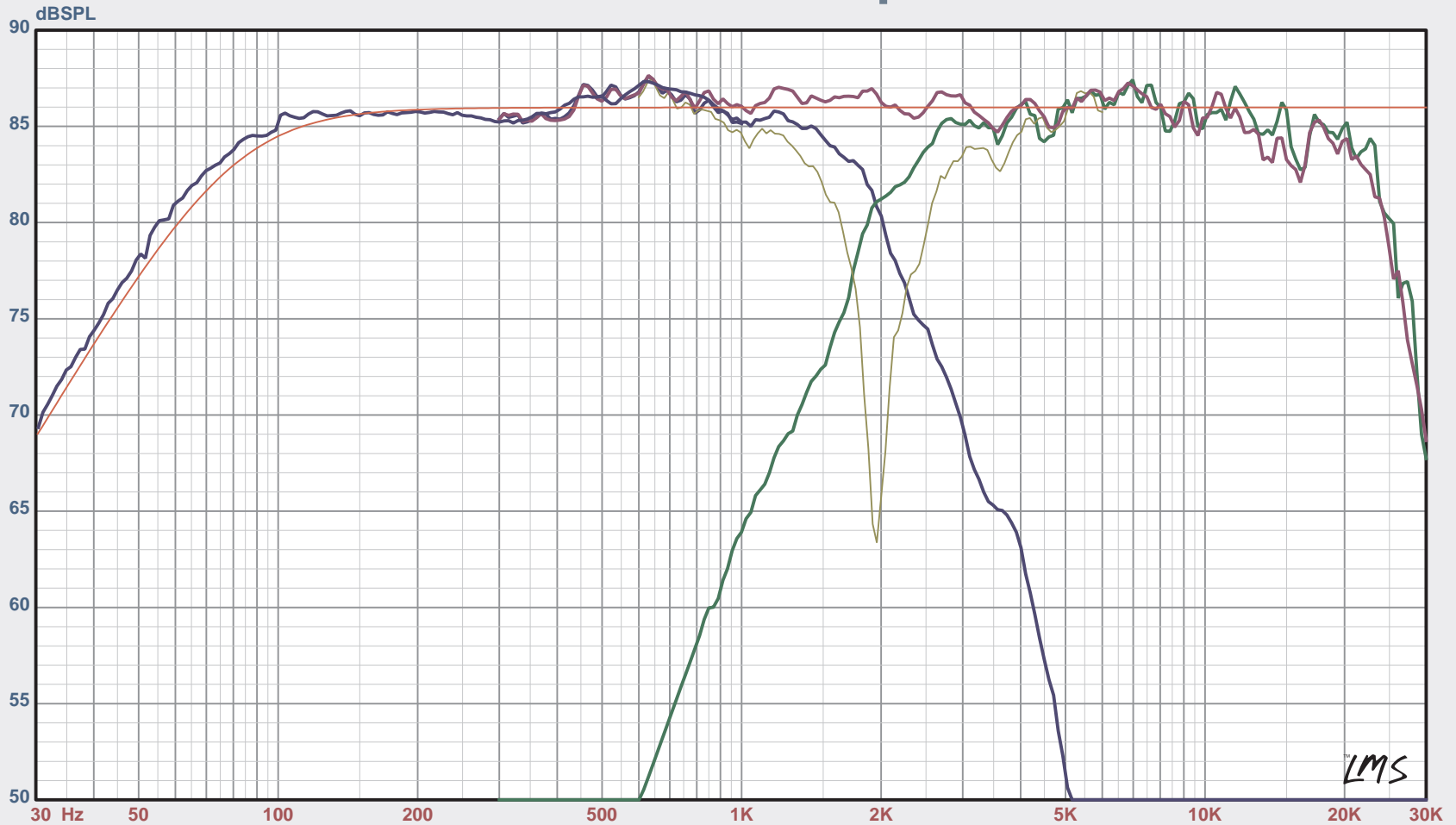
Person: Philip E Bamberg
Company: Bamberg Audio

Project: S2tm-SS
File: S2tm_SS_Publish.lib

Feb 25, 2013
Mon 1:01 pm

LINEAR X
S Y S T E M S

SPL vs Freq



LMS

Map

- 86: 10H Woofer
- 87: 10H Tweeter
- 88: FLIP POLARITY
- 89: 10H Woofer + Tweeter
- 90: 1/2Mgp4v00H Woofer
- 95: HPF2@80 0.7Q @86.0dB

Notes

Speaker at 10degrees off horizontal axis - on vertical axis.

All curves referenced to full space.

Red line is THX target response.

100 points per decade, no smoothing.

Data Measured: Feb 17, 2011 Thr 3:54 pm

LMS

4.6.0.371
May/29/2007

Person: Philip E Bamberg
Company: Bamberg Audio

Project: S2tm-SS
File: S2tm_SS_Publish.lib

Feb 25, 2013
Mon 1:06 pm

LINEAR X
S Y S T E M S