# Specifications – Bamberg Series 5 TMW

### *Transducers*

| | |
|---|---|
| 25mm tweeter | SEAS Millennium |
| 18cm midrange | SEAS W18ex-001 |
| 26mm woofer | ScanSpeak 26W |
| 26mm drone (2) | ScanSpeak 26W |

### *Impedance* *(graph)*

| | |
|---|---|
| Nominal | 8 ohm |
| Minimum (@160 / 3200 Hz) | 7.2 / 3.5 ohm |
| Phase (@1600 / 20 kHz) | -56 / +33 degrees |
| Amplifier | 30 kOhm |

### *Bandwidth*

| | |
|---|---|
| -6dB | 18 Hz to 20k Hz |

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

| | |
|---|---|
| To 20k Hz | + / - 2.0 dB |

### *Dispersion* *(graph)*

### *Sensitivity*

| | |
|---|---|
| 2.83V@1-Meter full space | 83 dB |

### *Bass alignment*

| | |
|---|---|
| Sealed monitor | -3dB @55 Hz, HPF2 @0.6Q roll off |
| Subwoofer | -3dB @18.6Hz, HPF5 |

### *Inter-driver Phase response*

| | |
|---|---|
| 400 Hz to 9k Hz | Less than 35° phase difference |

### *Maximum linear output*

| | |
|---|---|
| 100dB / 1m / 56W | HPF2 @80Hz, all frequencies, no compression |
| 97dB / 1m / 28W | No HPF, all frequencies, no compression |
| Recommended amplifier power | 20W to 200W |

### *Crossover*

| | |
|---|---|
| Passive – midrange / tweeter | Linkwitz-Riley 24 dB/oct @ 2.1 kHz |
| Passive elements – midrange / tweeter | 20 (4 in the series signal paths) |
| Phase compensation | 4 elements in 2 circuits |
| Active – woofer / midrange | Linkwitz-Riley 24 dB/oct @ 145Hz |

### *Dimensions*

| | |
|---|---|
| Loudspeaker only | 44.9"H x 15.4"W x 17.4"D [114cm x 39cm x 44cm] |
| Shipping carton, each subwoofer | 24”W x 24”D x 32”H [51 x 51 x 76cm] |
| Shipping carton, monitor PAIR | 20”W x 20”D x 30”H [51 x 51 x 76cm] |

### *Weight*

| | |
|---|---|
| Monitor only | 30 lb [13.6 kg] |
| Shipping weight, monitor PAIR | 70 lb [32 kg] |
| | |
| Subwoofer only | 82 lb [37 kg] |
| Shipping weight, each subwoofer | 95 lb [43 kg] |

### *Magnetically Shielded*

No

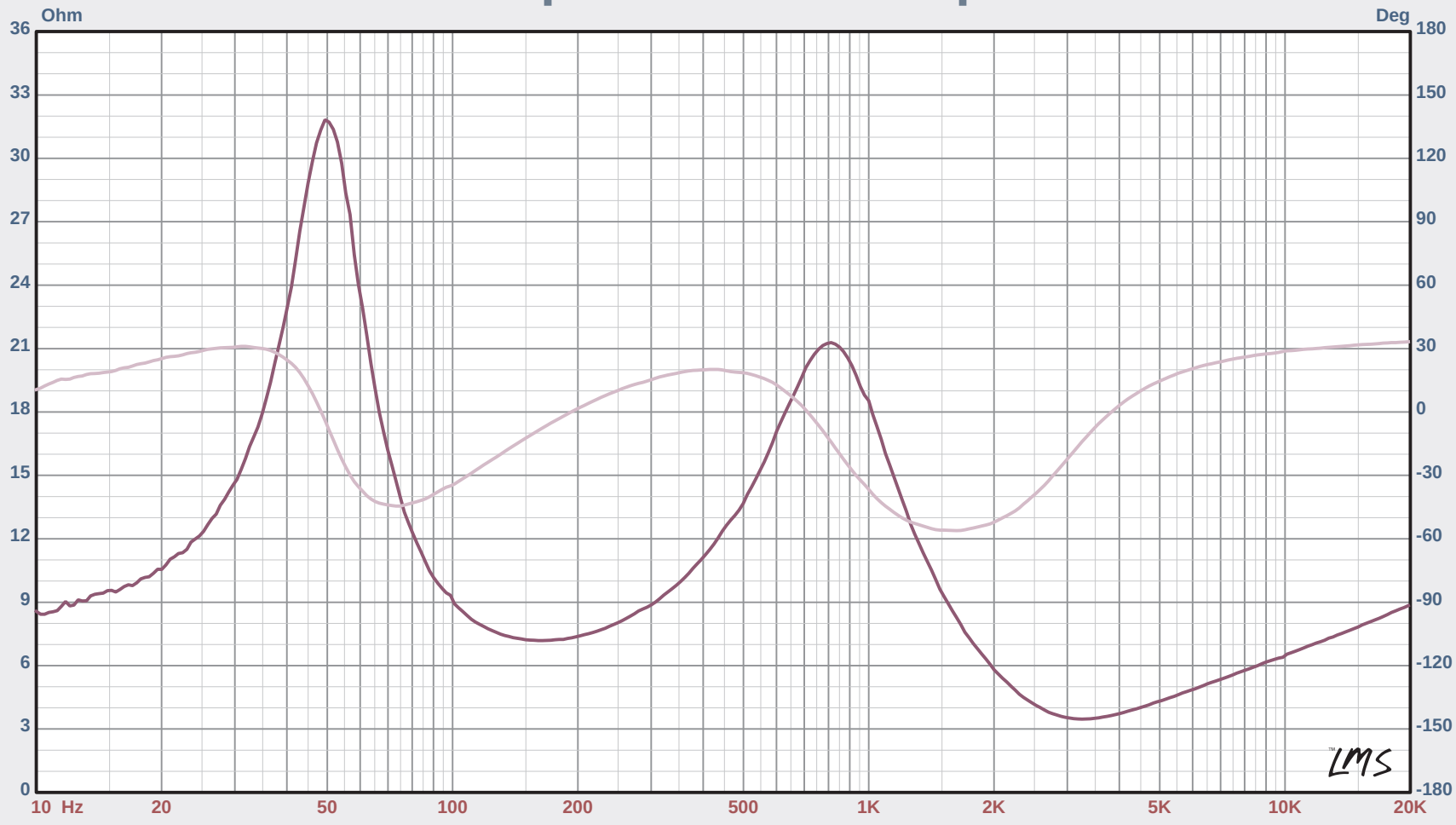
### *Mounting Options*

Stable base support included with steel cone spikes. Rubber cone feet optional.

### *Enclosure Material*

E1-MDF with triple internal bracing

# Impedance vs Freq



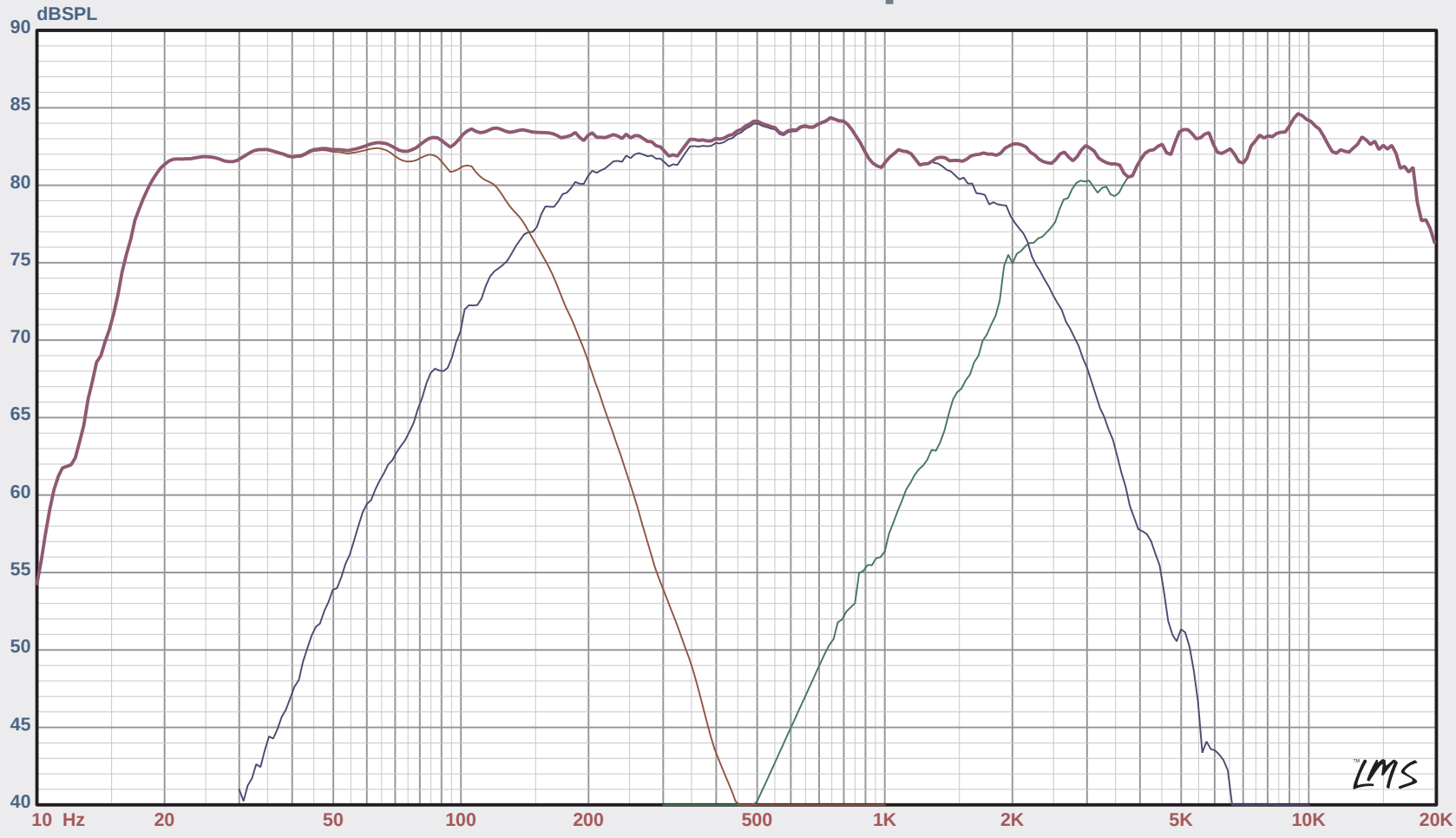

**Map**

5: Z-1v Woofer + Midrange + Tweeter

**Notes**

**Impedance at 1 volt - Midrange & Tweeter**

# SPL vs Freq




**Map**

- 1: Tweeter
- 2: Midrange
- 3: Woofer
- 4: Woofer + Midrange + Tweeter

**Notes**

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

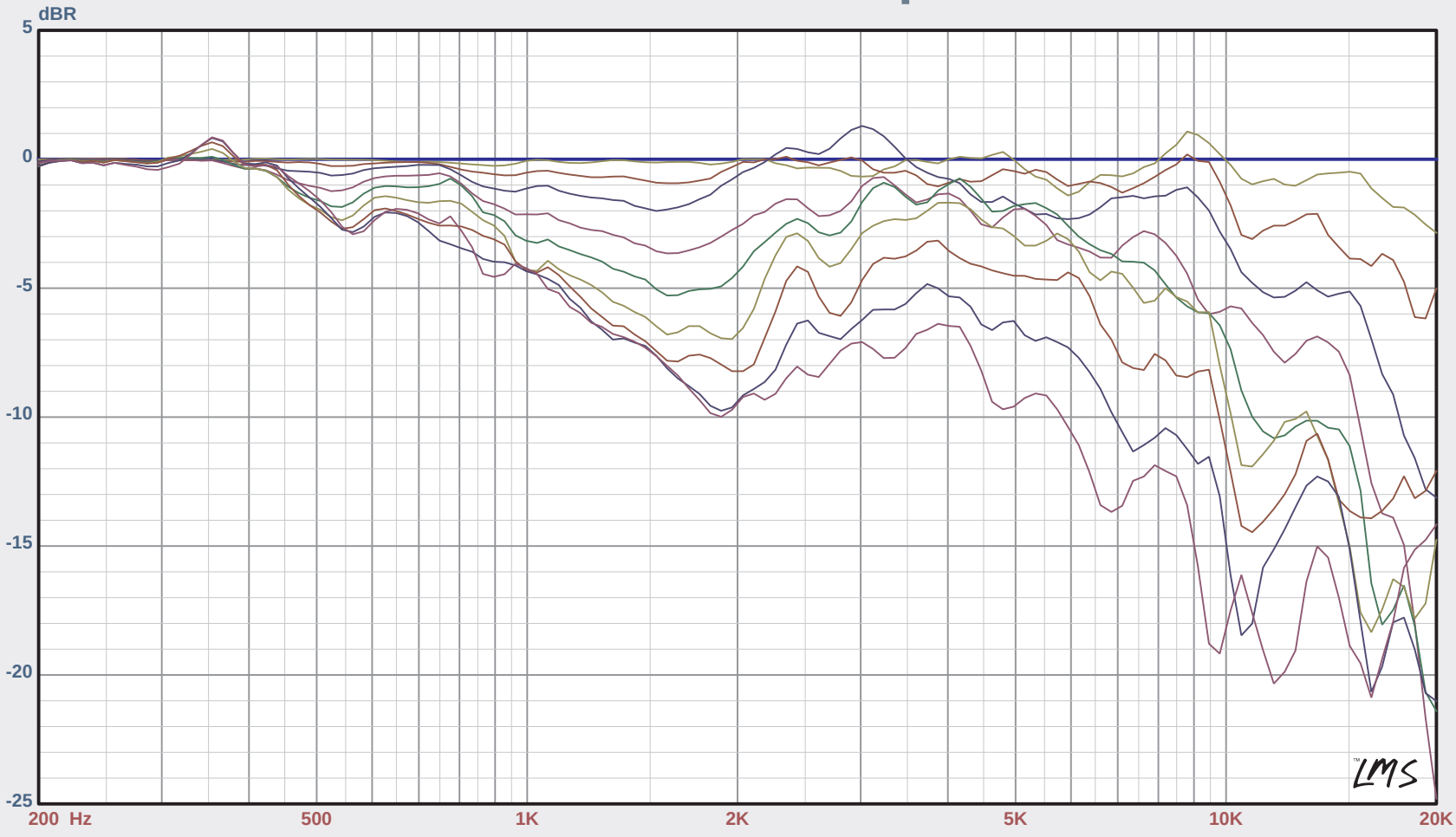
All curves referenced to full space.

100 points per decade, no smoothing.

Top octave measured on tweeter axis.

| | | | | |
|---|---|---|---|---|
| LMS 4.6.0.371 May/29/2007 | Person: Philip E Bamberg<br>Company: Bamberg Audio | Project: Series 5 TMW rev6<br>File: S5-tmw_publish.lib | Aug 17, 2011<br>Wed 5:23 pm | LINEAR X SYSTEMS |

# Ratio vs Freq




**Map**

| | | | |
|---|---|---|---|
| 2: 00H | 5: +30H | 8: +60H' | 11: +90H' |
| 3: +10H | 6: +40H' | 9: +70H' | |
| 4: +20H | 7: +50H' | 10: +80H' | |

**Notes**

HORIZONTAL POLAR RESPONSE

Smoothed 1/12

| | | | | |
|---|---|---|---|---|
| LMS 4.6.0.371 May/29/2007 | Person: Philip E Bamberg Company: Bamberg Audio | Project: Series 5 TM File: S5-TM Passive POLAR.lib | Apr 6, 2013 Sat 10:38 am | LINEAR X SYSTEMS |