Audio & Video Calibration
and
Consulting

Calibration Report

Photo Research PR-670 Verified Color and Sencore SP-495 with
Earthworks M30 Microphone Sound Measurements

W. Jeff Meier
Phone: 573-480-9664
Email: jeff@accucalhd.com
www.accucalhd.com
Workbench Notes:
1. Project Filename: Initial  Data acquired: 14Sep2011, 2:24 PM
2. Mic Cal File: AccuC al Cal File.txt  Input f(s) = 48 kHz  Output f(s) = 48 kHz
3. House Curve File: AccuCal Small Room X-Curve.txt  FFT Size = 64 k
4. Data was acquired manually  Input Selection: L  No. of Averages = 10
5. Sound System Correction: OFF  Relative Mode: OFF  Peak Hold: OFF
Workbench Notes:
.1. Project Filename: Initial  Data acquired: 14Sep2011, 4:41 PM
.2. Mic Cal File: AccuCal Cal File.txt  Input f(s) = 48 kHz  Output f(s) = 48 kHz
.3. House Curve File: AccuCal Small Room X-Curve.txt  FFT Size = 64 k
.4. Data was acquired manually  Input Selection: L  No. of Averages = 10
.5. Sound System Correction: OFF  Relative Mode: OFF  Peak Hold: OFF

AccuCal
922 Lakespur Drive
Sugar Land, Texas 77479
281-565-2922
Measurements by: W Jeff Meier
Title: AV - Consultant
**Freq. Dependent Room Reverb vs. Limits**

- **Ratio of RT60 to Value at 500Hz**
- **Frequency Hz**
- **Data**
- **High Limit**
- **Low Limit**

**Room Acoustics vs. Target**

- **RT60 at 500Hz (seconds)**
- **Room Volume (ft³)**
- **High Limit**
- **Low Limit**
AccuCal Audio Tool - Acoustical Parameters (Octave band)

**Measurement:** Room Acoustics Data  
**Channel:** L

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<tr>
<th>Freq. [Hz]</th>
<th>31.5</th>
<th>63</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
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<td>16000</td>
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<th>EDT [s]</th>
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<th>0.39</th>
<th>0.29</th>
<th>0.24</th>
<th>0.21</th>
<th>0.14</th>
<th>0.16</th>
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<th>C50 [dB]</th>
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<th>0.86</th>
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<th>13.04</th>
<th>17.10</th>
<th>18.07</th>
<th>16.96</th>
<th>16.90</th>
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<th>D50 [%]</th>
<th>60.41</th>
<th>54.94</th>
<th>86.90</th>
<th>95.27</th>
<th>97.78</th>
<th>98.46</th>
<th>98.03</th>
<th>98.00</th>
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Classe Settings

**Configuration 1**
- Front 40Hz
- Center 40Hz
- Surround 80Hz
- Subwoofer 24db/oct
- Left 10'4"
- Right 10'0"
- Center 10'2"
- Surr Left 5'4"
- Surr Right 5'0"
- Subwoofer 11'8"
- Left -7.5db
- Right -8.0db
- Center -8.5db
- Surr Left -9.5db
- Surr Right -8.5db
- Subwoofer 0db

Room EQ

**Front L**
- #1 -4.5,1,10700Hz
- #2 +3.0db,3,2300Hz
- #3 -4.5db,1,720Hz
- #4 +2.0db,2,200Hz
- $5 -3.0db,1,100Hz

**Center**
- #1 -2.0db,1,11000Hz
- #2 +3.0db,1,3000Hz
- #3 -5.5db,4,500Hz
- #4 -3.0db,1,127Hz
- #5 +3.0db,3,300Hz
Front R
#1 -1.5db, 2,9800Hz
#2 +3.0db, 3,3000Hz
#3 -6.0db, 4,500Hz
#4 +2.0db, 1,300Hz
#5 -4.0db, 1,880Hz

Surround R
#1 -6.0db, 2,9300Hz
#2 -5.0db, 3,2100Hz
#3 -4.0db, 1,390Hz

Surround L
#1 +3.0db, 2,2800Hz
#2 -3.0db, 2,10400Hz
#3 -2.5db, 1,330Hz

Subwoofer
#1 -8.0db, 4,48Hz
#2 -9.5db, 5,24Hz

BD Player Surround PLIIx Movie Mode
SACD Player Surround Discrete

Subwoofer Settings
Preset 1
Room EQ Out
Mono Gain -5
Polarity Normal
Sensitivity 0
This service will ensure you are receiving peak performance from your home theater system. State of the art test equipment and design tools are used to achieve optimal results from your display and sound system.

Services Include:
- Video calibration to refine color, contrast and resolution to achieve the through the window look you paid for.
- Audio calibration to optimize your system’s frequency response, clarity and balance so you can enjoy the sound as it was meant to be heard.
- Consultation to aid you in the selection of equipment that matches your needs and budget.
- Acoustical design and strategic speaker placement to immerse the room with vibrant sound.
- Video design to attain maximum display performance within your room.

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- Over two hundred home theaters a year.
- Degreed engineer.
- Modest to high end home theaters around the country.

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