



Audio & Video Calibration and Consulting

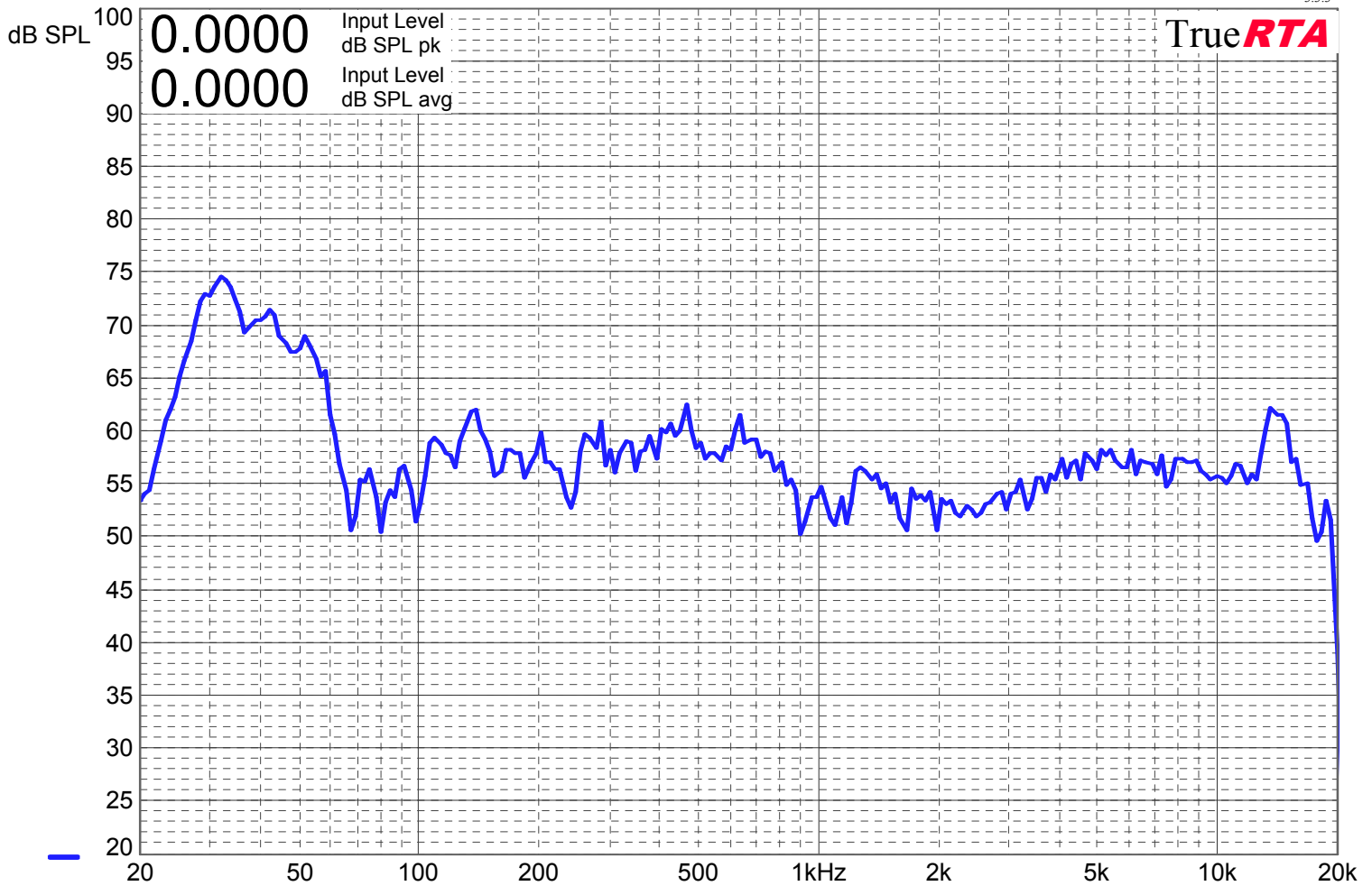
Calibration Report

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



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Workbench Notes:

- .1. Project Filename: Initial Data acquired: 14Sep2011, 2:24 PM
- .2. Mic Cal File: AccuCal CalFile.txt Input f(s) = 48 kHz Output f(s) = 48 kHz
- .3. House Curve File: AccuCal Small RoomX-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

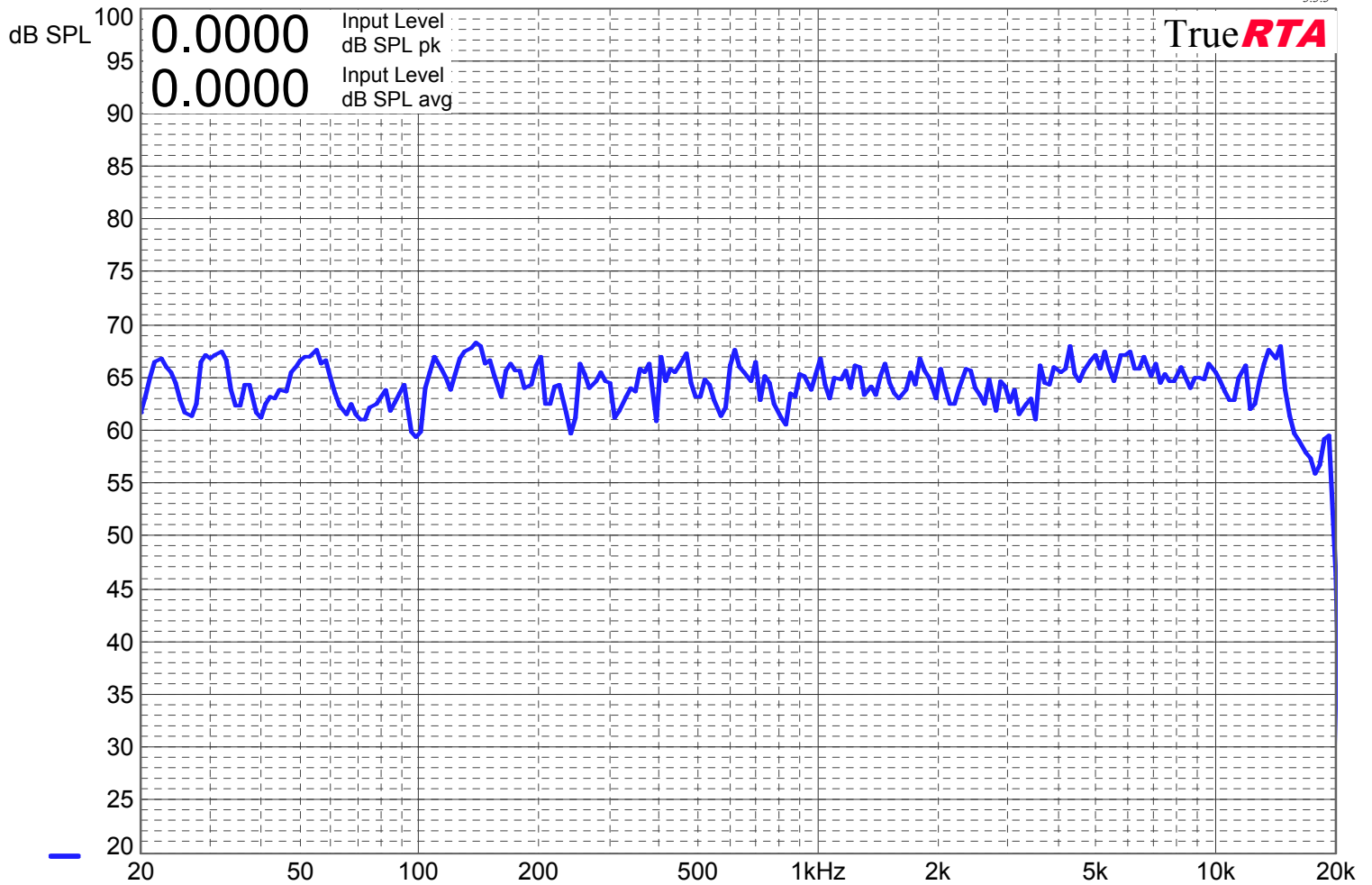
AccuCal

922 Lakespur Drive
Sugar Land, Texas 77479

281-565-2922

Measurements by: W Jeff Meier

Title: AV - Consultant



Workbench Notes:

- .1. Project Filename: Initial Data acquired: 14Sep2011, 4:41 PM
- .2. Mic Cal File: AccuCal CalFile.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

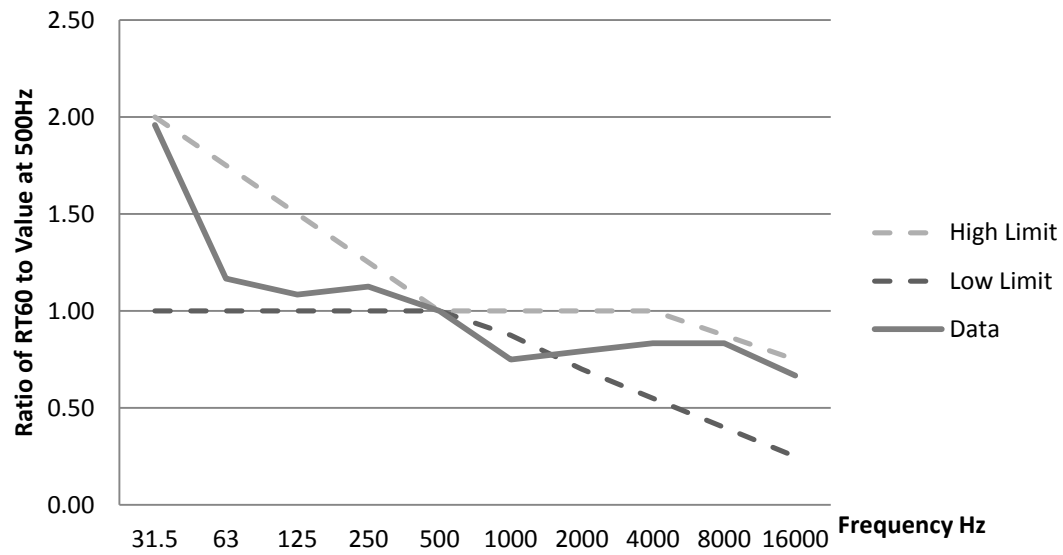
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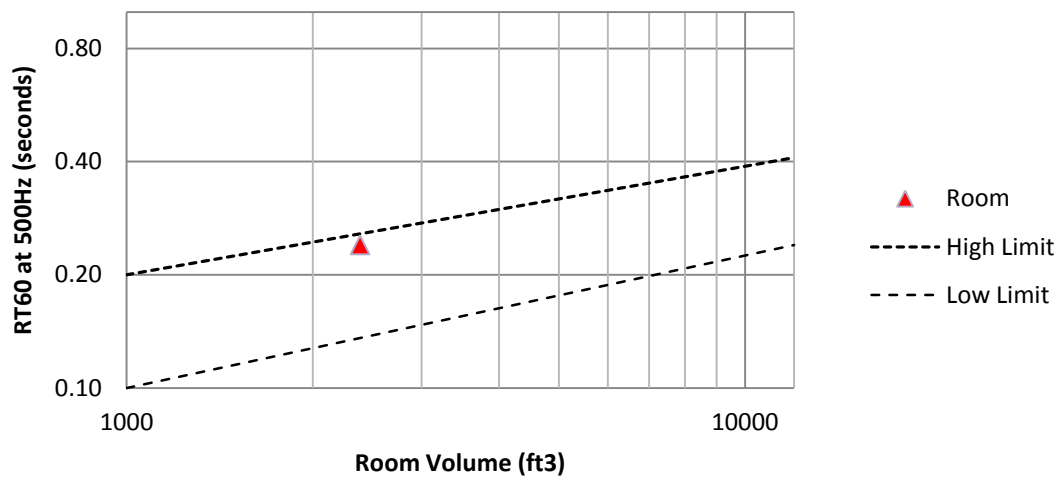
Measurements by: W Jeff Meier

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Freq. Dependent Room Reverb vs. Limits



Room Acoustics vs. Target



AccuCal Audio Tool - Acoustical Parameters (Octave band)

Measurement: Room Acoustics Data

Channel: L

Freq. [Hz]	31.5	63	125	250	500	1000	2000	4000	8000
16000 Linear									
EDT [s]	0.40	0.39	0.29	0.24	0.21	0.14	0.16	0.15	0.14
0.11 0.14									
T10 [s]	0.47	0.28	0.26	0.27	0.22	0.18	0.19	0.20	0.20
0.16 0.20									
T20 [s]	0.59	0.27	0.26	0.22	0.22	0.19	0.20	0.21	0.20
0.17 0.20									
T30 [s]	0.93	0.44	0.23	0.23	0.23	0.19	0.21	0.21	0.20
0.17 0.26									
TS [ms]	56.49	45.29	20.53	16.97	11.12	10.08	11.04	8.26	7.82
6.20 8.08									
C50 [dB]	1.83	0.86	8.22	13.04	17.10	18.07	16.96	16.90	17.45
20.53 17.14									
C80 [dB]	8.01	11.08	21.08	19.21	26.07	27.66	25.51	25.16	26.01
29.62 25.97									
D50 [%]	60.41	54.94	86.90	95.27	97.78	98.46	98.03	98.00	98.23
99.12 98.10									

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

Notes.txt

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

AccuCal™

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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.

Experience:

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



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