Date: **02/15/2016**

**Further calibration tests of speaker in 983 booth**

*Speaker A: Vifa DX25TG09-04, 4Ω, DP\_\_\_*

*Mic: \*New\* B&K 41 (1/2”), serial # 2710813; from B&K handheld device*

*Piston phone reference:* ***94 dB == 1409.5 mV*** *(RZ6 amp set to 40 dB)*

Test level: 90 dB

CALIBRATION RUNS

**rig983-Ceiling-Cal\_a\_Feb152016.cal**

cage removed, mic vertical in center

full range [100:50:30000]

**rig983-Ceiling-Test\_i\_Cal\_a\_Feb152016.cal**

using corrections from Cal file a

cage removed, mic vertical in center

full range [100:50:30000]

**rig983-Ceiling-Test\_ii\_Cal\_a\_Feb152016.cal**

using corrections from Cal file a

cage removed, mic vertical at nose poke side of cage

full range [100:50:30000]

*\*\*still see distortion!!! (question is now, how much? Looks smaller magnitude)*

**rig983-Ceiling-Test\_iii\_Cal\_a\_Feb042016.cal**

using corrections from Cal file a

cage removed, mic vertical at spout side of cage

full range [100:50:30000]

**rig983-Ceiling-Cal\_b\_Feb152016.cal**

wood prototype cage, mic vertical in center

full range [100:50:30000]

**rig983-Ceiling-Test\_i\_Cal\_b\_Feb152016.cal**

using corrections from Cal file b

wood prototype cage, mic vertical in center

full range [100:50:30000]

**rig983-Ceiling-Test\_ii\_Cal\_b\_Feb042016.cal**

using corrections from Cal file b

wood prototype cage, mic vertical at nose poke side of cage

full range [100:50:30000]

**rig983-Ceiling-Test\_iii\_Cal\_b\_Feb042016.cal**

using corrections from Cal file b

wood prototype cage, mic vertical at spout side of cage

full range [100:50:30000]

**1. Do you observe distortion when the cage is removed, and just the table and the rest of the equipment is in the booth?**

**2. Do you observe the same amount of distortion with the wooden dowel prototype of the slimmer cage?**

**3. What**