



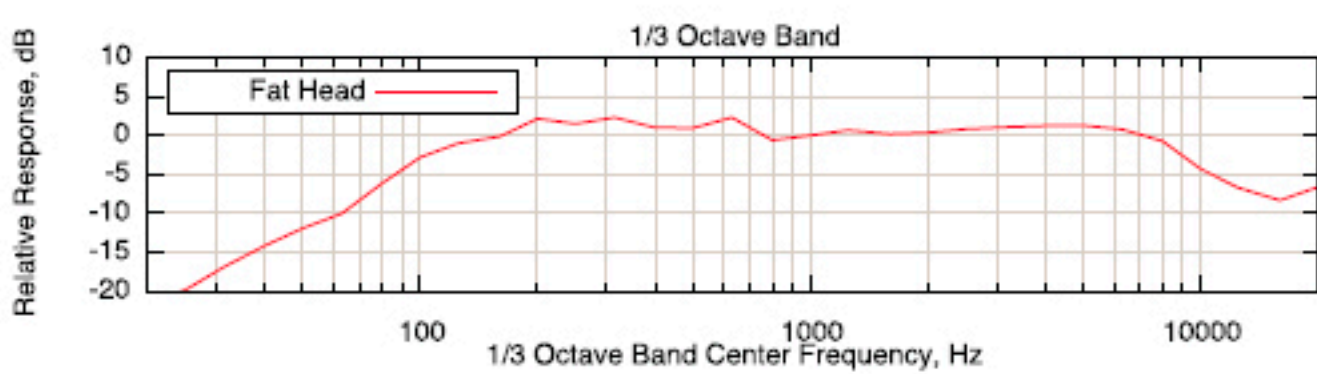
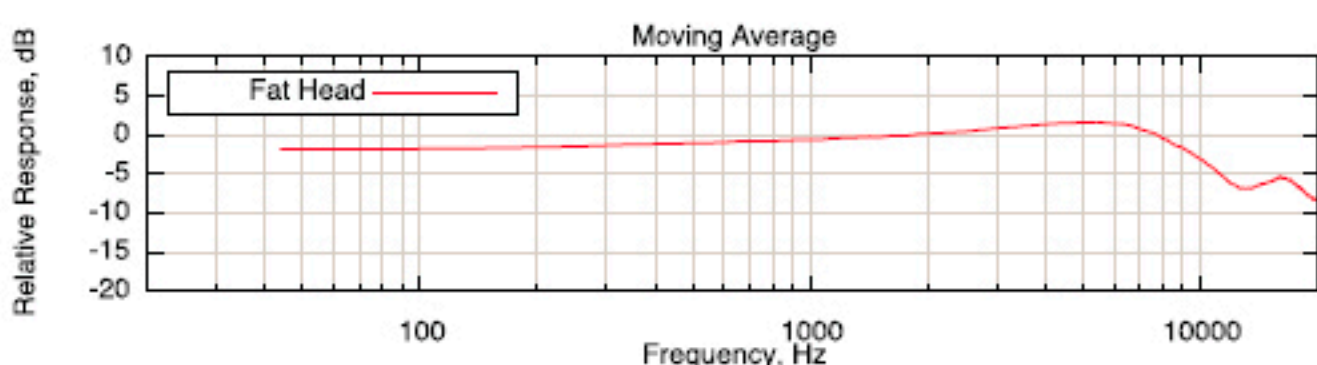
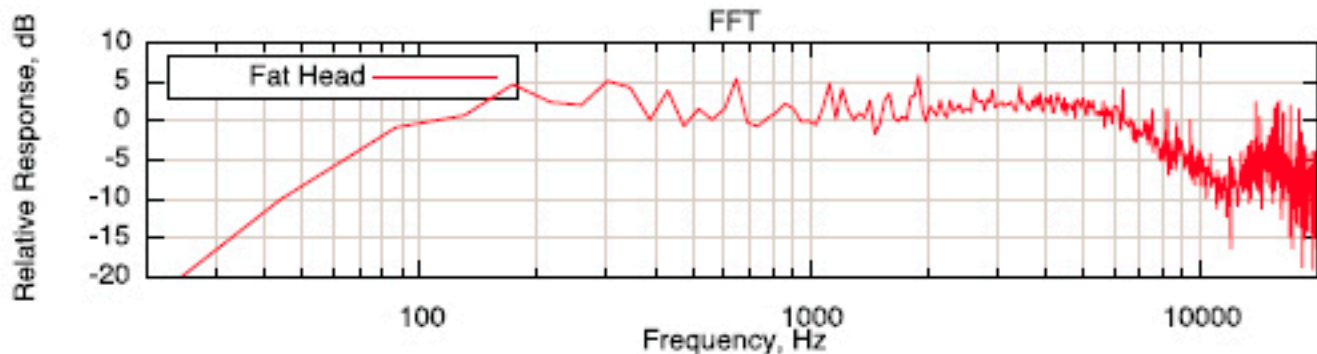
Microphone Frequency Response Measurement Report

Customer: Cascade Microphones **Address:** 3720 Gravelly Beach Loop NW
Project No.: J2007-020 **Olympia, WA 98502**

Microphone Manufacturer: Cascade Microphones **Model Number:** Fat Head
Serial Number: N/A **Phantom Power:** N/A

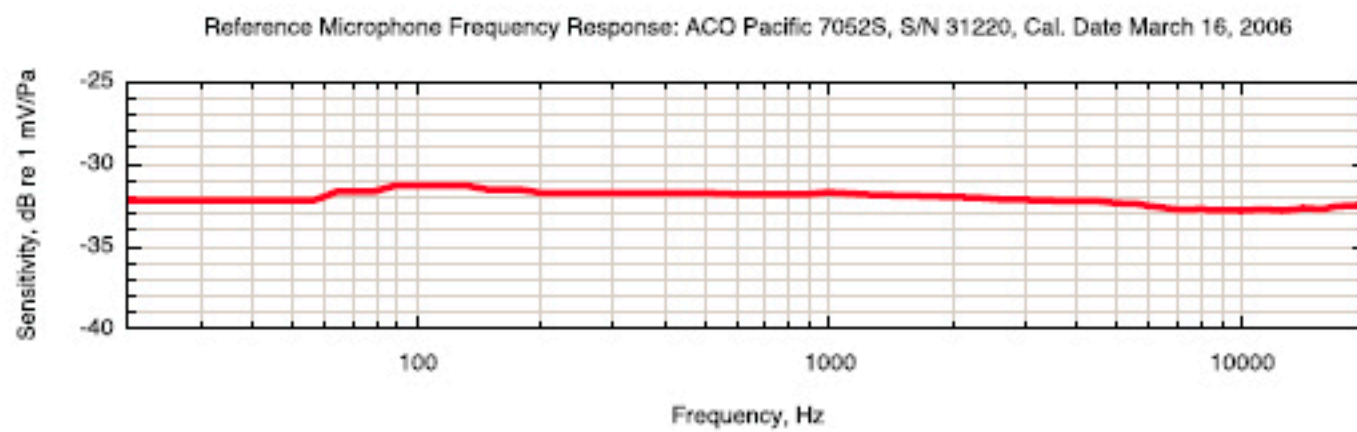
Measurement Date: Jan 18, 2006 **Temperature:** 68°F/20°C
Engineer: H. Singleton **Humidity:** 23%

| 1/3 OB Results | |
|----------------|------------|
| Freq. | Resp. (dB) |
| 25 | -20.72 |
| 31.5 | -17.39 |
| 40 | -14.05 |
| 50 | -10.63 |
| 63 | -7.12 |
| 80 | -4.39 |
| 100 | -3.06 |
| 125 | 0.54 |
| 160 | 2.34 |
| 200 | 2.52 |
| 250 | 1.35 |
| 315 | 2.43 |
| 400 | 1.71 |
| 500 | 0.00 |
| 630 | 0.36 |
| 800 | -0.18 |
| 1000 | 0.00 |
| 1250 | 0.99 |
| 1600 | 0.36 |
| 2000 | 0.81 |
| 2500 | 0.36 |
| 3150 | 1.53 |
| 4000 | 1.80 |
| 5000 | -0.27 |
| 6300 | -2.52 |
| 8000 | -4.23 |
| 10000 | -3.87 |
| 12500 | -5.49 |
| 16000 | -8.20 |



This frequency response measurement is not a NIST-traceable calibration.

Reference Microphone



P. O. Box 90842 | Springfield, MA 01139 | Phone: (413) 747-2290/Fax: (413) 747-2295 | www.cross-spectrum.com

Ref. Calibrator: GenRad 1986
Serial Number: 00242

Microphone Sensitivity: -56.3 dB (1.5 mV/Pa) **Noise Floor:** <17 dBA
(re 1000Hz, 94 dB)

Cascade FAT HEAD Ribbon Microphone Polar Response

