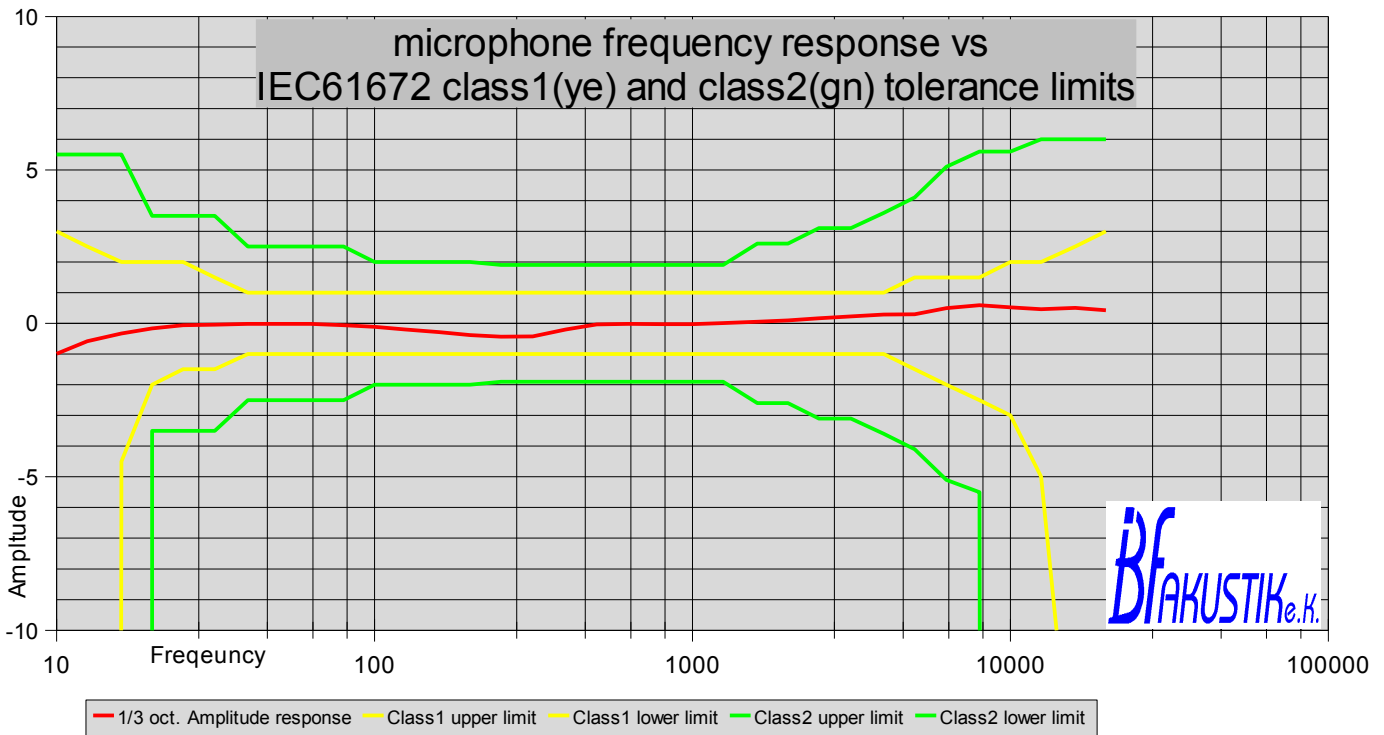
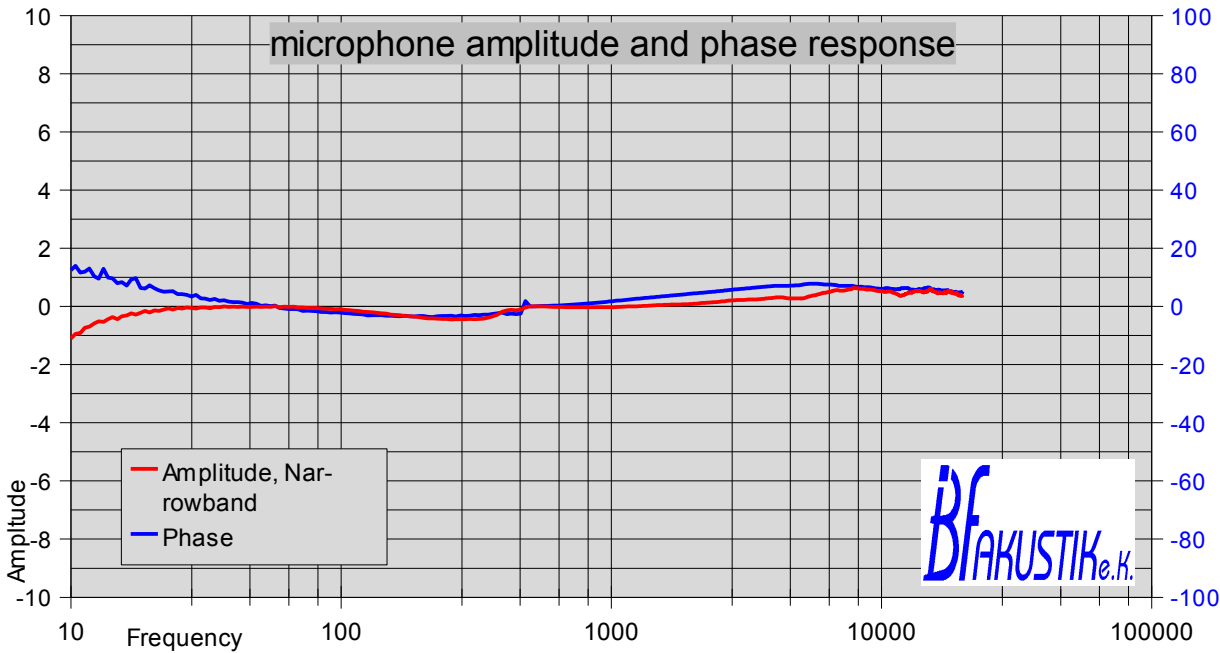


Microphone Frequency and Phase Response Measurement Report

IBF-Akustik e.K. • Alexanderstr.66 • 68519 Viernheim
Germany • www.ibf-akustik.de • sales@ibf-akustik.de

| 1/3 Oktav-Center-f | Amplitude |
|--------------------|-----------|
| 10 | -0,987 |
| 12,5 | -0,583 |
| 16 | -0,330 |
| 20 | -0,167 |
| 25 | -0,063 |
| 31,5 | -0,043 |
| 40 | -0,013 |
| 50 | -0,016 |
| 63 | -0,017 |
| 80 | -0,057 |
| 100 | -0,112 |
| 125 | -0,198 |
| 160 | -0,290 |
| 200 | -0,386 |
| 250 | -0,435 |
| 315 | -0,423 |
| 400 | -0,200 |
| 500 | -0,030 |
| 630 | -0,017 |
| 800 | -0,025 |
| 1000 | -0,027 |
| 1250 | 0,009 |
| 1600 | 0,053 |
| 2000 | 0,094 |
| 2500 | 0,163 |
| 3150 | 0,230 |
| 4000 | 0,290 |
| 5000 | 0,299 |
| 6300 | 0,493 |
| 8000 | 0,593 |
| 10000 | 0,523 |
| 12500 | 0,461 |
| 16000 | 0,501 |
| 20000 | 0,424 |

Customer: _____ Address: _____
 Microphone Manufacturer: IBF-Akustik e.K. Model: EMM-07D145
 Serial No.: sample Preamp: _____
 Measurement Date: 05.12.09 dd-mm-yy Temperature: 22,9 °C / 73,22 °F
 Humidity: 40 %r.F. / r.H. Pressure: 1004 mbar / 14,56 psi



Microphone sensitivity: 50 mV / Pa / 1 kHz
 Microphone power supply: 4mA CCP

Reference microphone: Brüel & Kjaer 4133
 Sound calibrator: Quest CA-22

This document doesn't represent a NIST (USA) or PTB (Germany) traceable calibration.
 Die dokumentierten Kalibrierdaten sind weder auf die NIST (USA) noch auf die PTB (Germany) rückführbar.