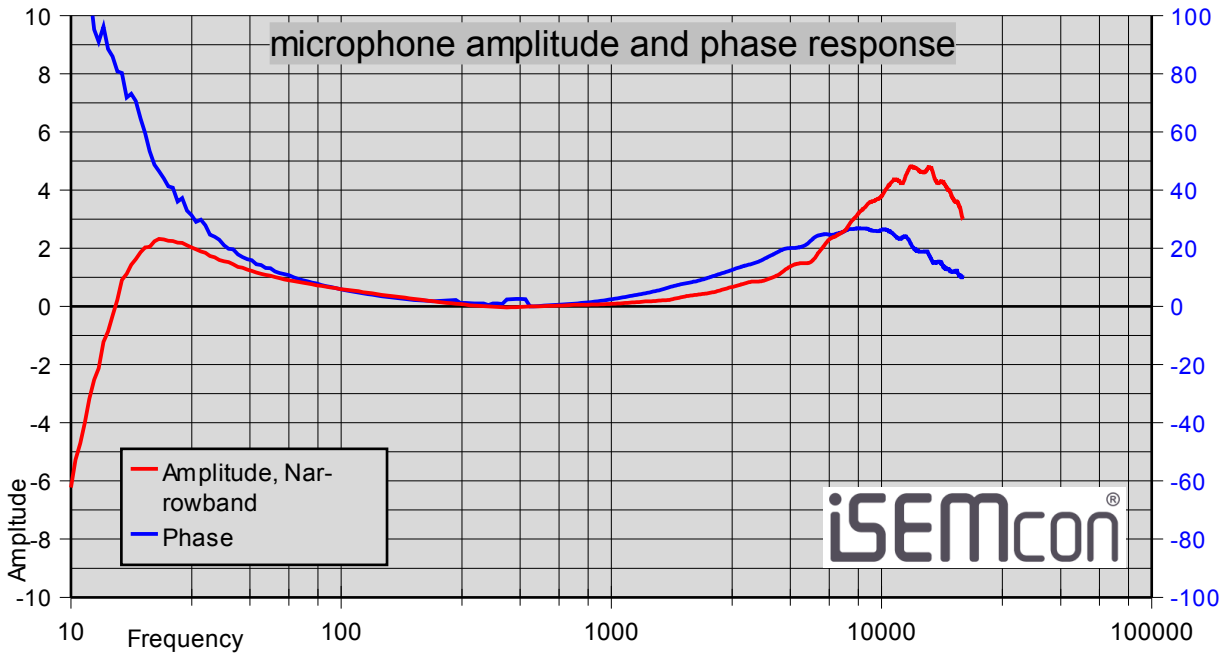


# Microphone Frequency and Phase Response Measurement Report

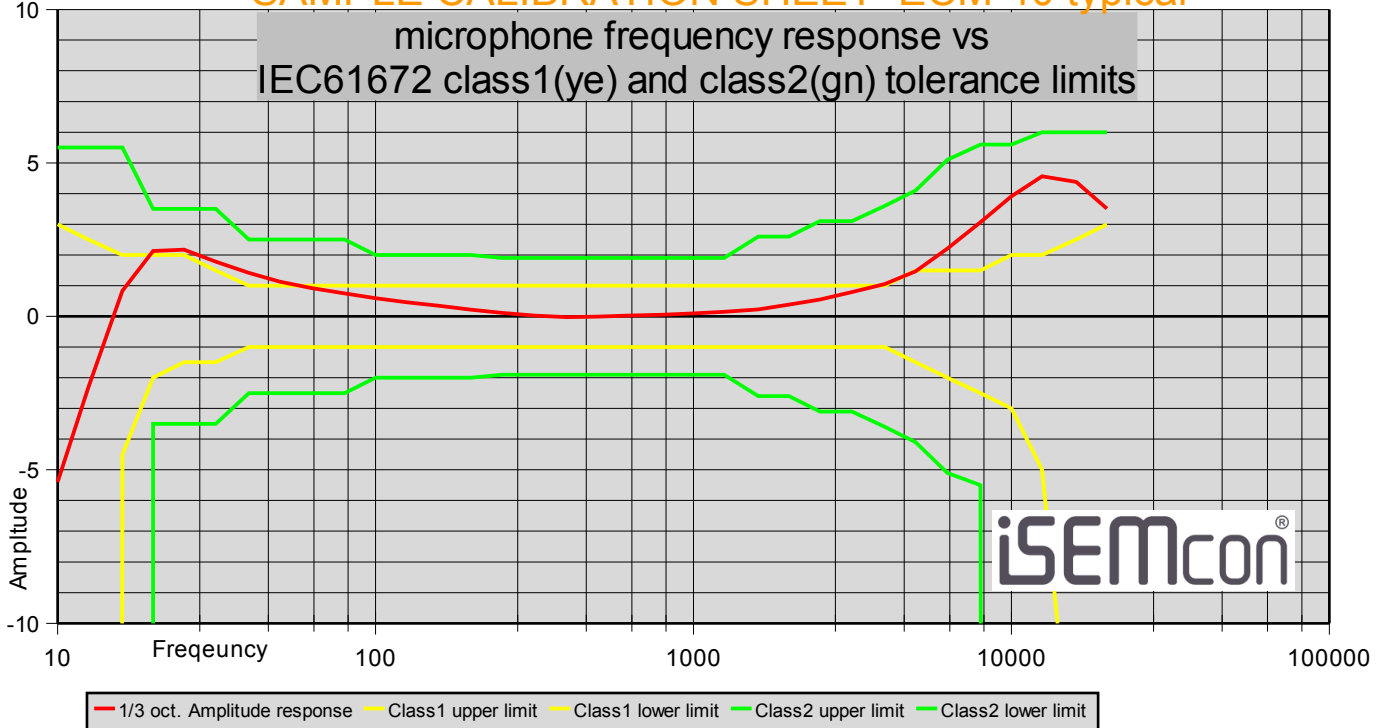
iSEMcon GmbH • Alexanderstr.66 • 68519 Viernheim  
Germany • www.iSEMcon.de • sales@iSEMcon.de

| 1/3 Oktav-Center-f | Amplitude |
|--------------------|-----------|
| 10                 | -5,400    |
| 12,5               | -2,317    |
| 16                 | 0,832     |
| 20                 | 2,133     |
| 25                 | 2,168     |
| 31,5               | 1,785     |
| 40                 | 1,413     |
| 50                 | 1,128     |
| 63                 | 0,920     |
| 80                 | 0,748     |
| 100                | 0,593     |
| 125                | 0,458     |
| 160                | 0,340     |
| 200                | 0,218     |
| 250                | 0,117     |
| 315                | 0,027     |
| 400                | -0,027    |
| 500                | -0,005    |
| 630                | 0,027     |
| 800                | 0,051     |
| 1000               | 0,097     |
| 1250               | 0,150     |
| 1600               | 0,228     |
| 2000               | 0,383     |
| 2500               | 0,550     |
| 3150               | 0,794     |
| 4000               | 1,053     |
| 5000               | 1,469     |
| 6300               | 2,209     |
| 8000               | 3,071     |
| 10000              | 3,913     |
| 12500              | 4,562     |
| 16000              | 4,383     |
| 20000              | 3,514     |

Customer: \_\_\_\_\_ Address: \_\_\_\_\_  
 Microphone Manufacturer: img stageline Model: ECM-40  
 Serial No.: sample Preamp: \_\_\_\_\_  
 Measurement Date: 29041001 dd-mm-yy Temperature: 21,3 °C / 70,34 °F  
 Humidity: 34 %r.F. / r.H. Pressure: 1001 mbar / 14,52 psi



## SAMPLE CALIBRATION SHEET ECM-40 typical



Microphone sensitivity: 3,13 mV/Pa 24V Phantom      3,38 mV/ Pa 48V Phantom  
 Microphone power supply: Phantom 24V / 48V

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.