

# Microphone Frequency and Phase Response Measurement Report

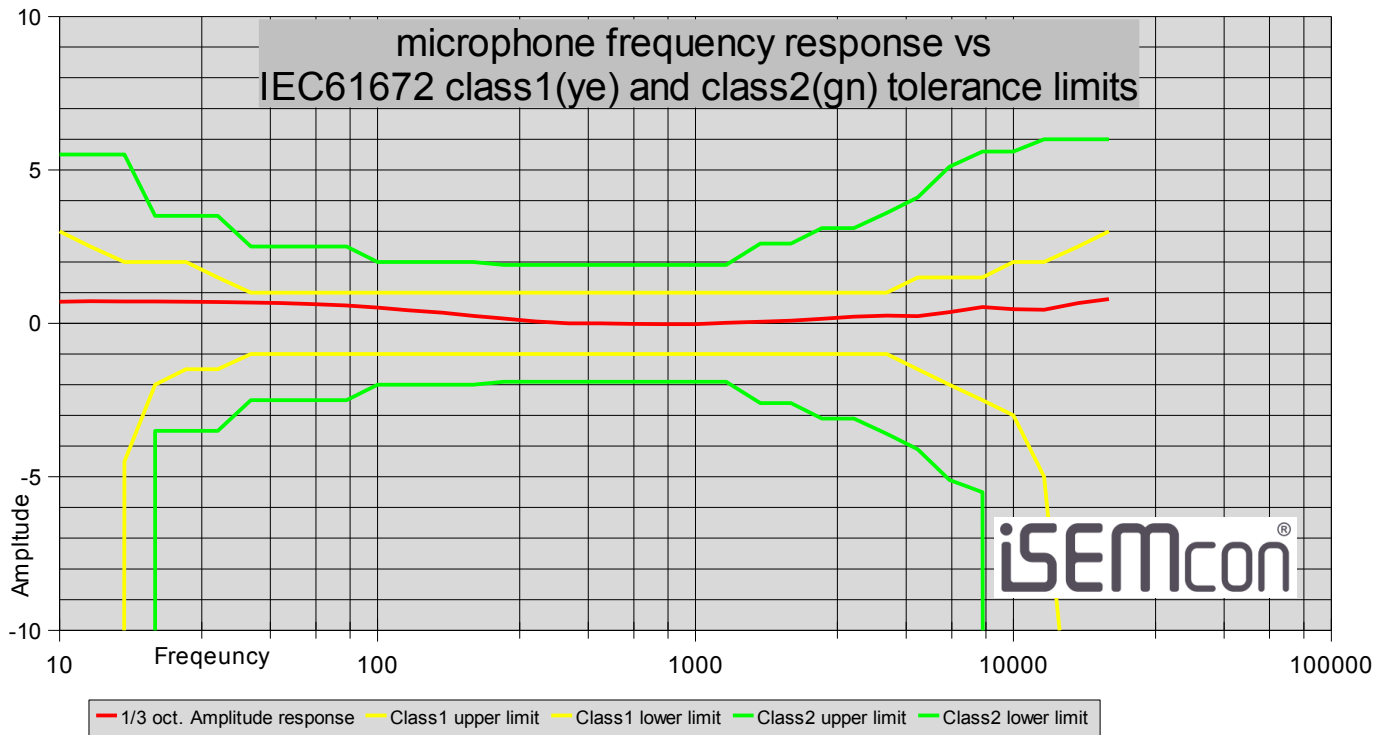
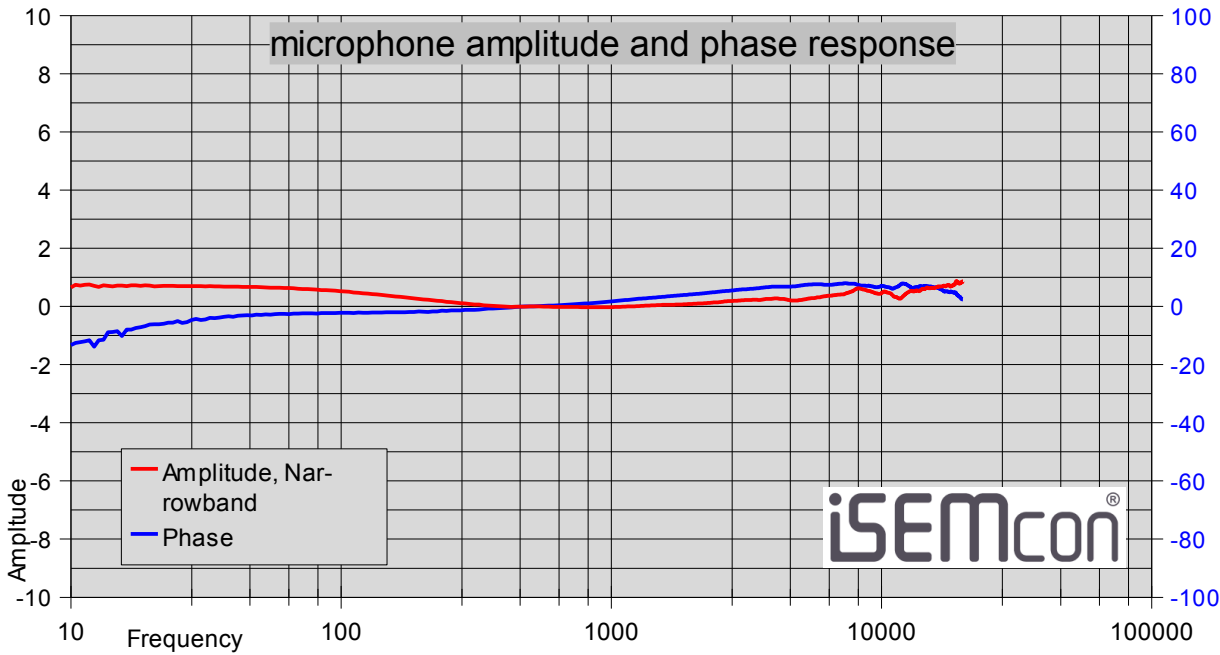
iSEMcon GmbH • Alexanderstr.66 • 68519 Viernheim  
Germany • www.iSEMcon.de • sales@iSEMcon.de

Customer:  
Microphone Manufacturer: iSEMcon GmbH  
Serial No.: 11051001

Address:  
Model: EMM-8  
Preamp:

Measurement Date: 11.05.10 dd-mm-yy Temperature: 19,5 °C / 67,1 °F  
Humidity: 40 %r.F. / r.H. Pressure: 997 mbar / 14,46 psi

1/3 Oktav-Center-f	Amplitude
10	0,703
12,5	0,718
16	0,715
20	0,710
25	0,703
31,5	0,695
40	0,677
50	0,658
63	0,628
80	0,582
100	0,517
125	0,430
160	0,343
200	0,244
250	0,153
315	0,063
400	-0,002
500	-0,005
630	-0,016
800	-0,023
1000	-0,026
1250	0,013
1600	0,053
2000	0,089
2500	0,151
3150	0,214
4000	0,254
5000	0,236
6300	0,362
8000	0,534
10000	0,457
12500	0,446
16000	0,665
20000	0,789



Microphone sensitivity: 8,14 mV / Pa / 1 kHz  
Microphone power supply: BIAS 2V / 2,2 kΩ

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.