



Calibration Report

Model Number: M215 Serial #: 500500 Manufacturer: MicW Description: 1/2" Free-Field
 Microphone Capsule Model: MP215 Serial #: 390247 Manufacturer: MicW Microphone

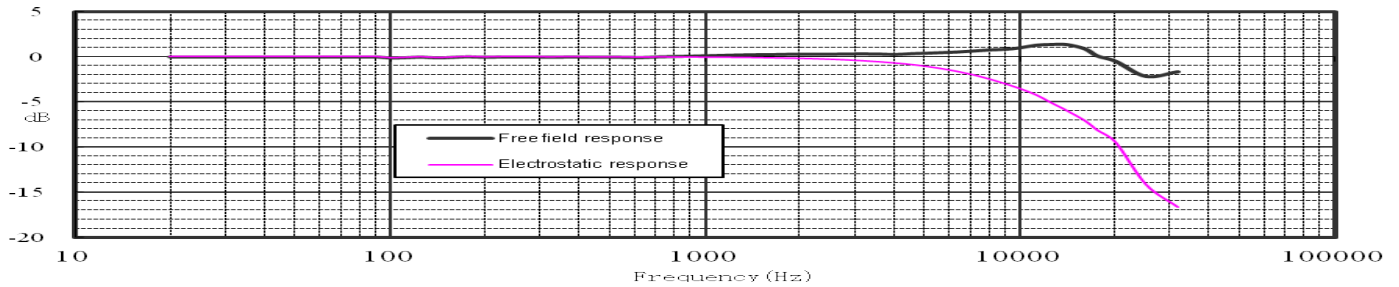
Calibration Data

M215 Sensitivity: -27.1 dB ref 1 V/Pa or 44.2 mV/Pa @ 250Hz.

Test Environmental Conditions

Polarization Voltage 0 V Relative Humidity: 36%
 Barometric Pressure 101.3 kPa Temperature: 21°C

Frequency Response (0 dB @ 250 Hz)



Frequency (Hz)	Lower (dB)	Upper (dB)	Frequency (Hz)	Lower (dB)	Upper (dB)	Frequency (Hz)	Lower (dB)	Upper (dB)
20.0	0.00	0.00	224.0	0.00	0.00	2500.0	-0.30	0.30
22.0	0.00	0.00	250.0	0.00	0.00	2800.0	-0.37	0.33
25.0	0.00	0.00	280.0	0.01	0.01	3150.0	-0.46	0.34
28.0	0.00	0.00	315.0	-0.03	-0.03	3550.0	-0.58	0.32
32.0	0.00	0.00	355.0	-0.02	-0.02	4000.0	-0.72	0.28
36.0	0.00	0.00	400.0	-0.02	-0.02	4500.0	-0.88	0.37
40.0	0.00	0.00	450.0	-0.03	-0.03	5000.0	-1.08	0.42
45.0	0.00	0.00	500.0	-0.02	-0.02	5600.0	-1.33	0.48
50.0	0.00	0.00	560.0	-0.04	-0.04	6300.0	-1.65	0.55
56.0	0.00	0.00	630.0	-0.06	-0.06	7100.0	-2.04	0.66
63.0	0.00	0.00	710.0	-0.04	0.01	8000.0	-2.52	0.78
71.0	0.00	0.00	800.0	-0.05	0.05	9000.0	-3.05	0.85
80.0	0.00	0.00	900.0	-0.05	0.10	10000.0	-3.58	1.02
90.0	0.00	0.00	1000.0	-0.07	0.13	11200.0	-4.24	1.31
100.0	0.00	0.00	1120.0	-0.08	0.17	12500.0	-5.12	1.38
112.0	0.00	0.00	1250.0	-0.09	0.21	14000.0	-5.98	1.37
125.0	0.00	0.00	1400.0	-0.11	0.24	16000.0	-7.11	0.89
140.0	0.00	0.00	1600.0	-0.14	0.26	17500.0	-8.14	0.11
160.0	0.00	0.00	1750.0	-0.17	0.28	20000.0	-9.48	-0.48
175.0	0.00	0.00	2000.0	-0.21	0.29	25000.0	-14.16	-2.16
200.0	0.00	0.00	2240.0	-0.25	0.30	31500.0	-16.64	-1.64

Certificate of Calibration and Compliance

Reference Equipment				
Manufacturer	Model #	Serial #	Cal Date	Due Date
B&K	4228	2434776	2012-9-3	2014-8-30
B&K	4180	2412874	2012-8-31	2014-8-30
Agilent	33220A	MY44038043	2013-2-4	2014-2-3
Agilent	34401A	SG47000236	2013-1-31	2014-1-30
Tektronix	TDS1002B	C050748	2013-2-5	2014-2-4
GRAS	14AA	45541	not required	not required
GRAS	RA00015	460749	not required	not required
National Instruments	PCI-4461	1924168	not required	not required
B&K	2636	166125	not required	not required
B&K	2669C	2374006	not required	not required
BSWA	MC102	460254	not required	not required
BSWA	MA231	481782	not required	not required
BSWA	VA-AUDIO	Software	not required	not required
BSWA	MC711	460749	not required	not required

1. Calibration of reference microphone is traceable through National Institute of Metrology (NIM).
2. Calibration is performed in compliance with ISO 9001:2008.
3. Measurement uncertainty (95% confidence level with coverage factor of 2) for sensitivity is +/-0.20 dB.
4. All the above mentioned equipments are calibrated by the NIM periodically as requested by ISO-9001: 2008.
5. Frequency response is measured using electrostatic actuator method per BSWA-III-RD01-0007.
6. Open circuit sensitivity is measured using comparison method per BSWA-III-RD01-0007.
7. Standard Complied: IEC 61672 Class1

Technician: _____

Date: July 26th,2013