

# ~ Calibration Report ~

**Model :** 378B02 **Manufacturer :** PCB  
**Serial :** 161294 **Description :** 1/2" Free-Field Microphone and Preamplifier  
**Microphone Model :** 377B02 **Serial :** 345343 **Manufacturer :** PCB  
**Preamplifier Model :** 426E01 **Serial :** 082146 **Manufacturer :** PCB

## Calibration Data

System Sensitivity at 251.2 Hz : 50.81 mV/Pa

Polarization Voltage, External : 0 V

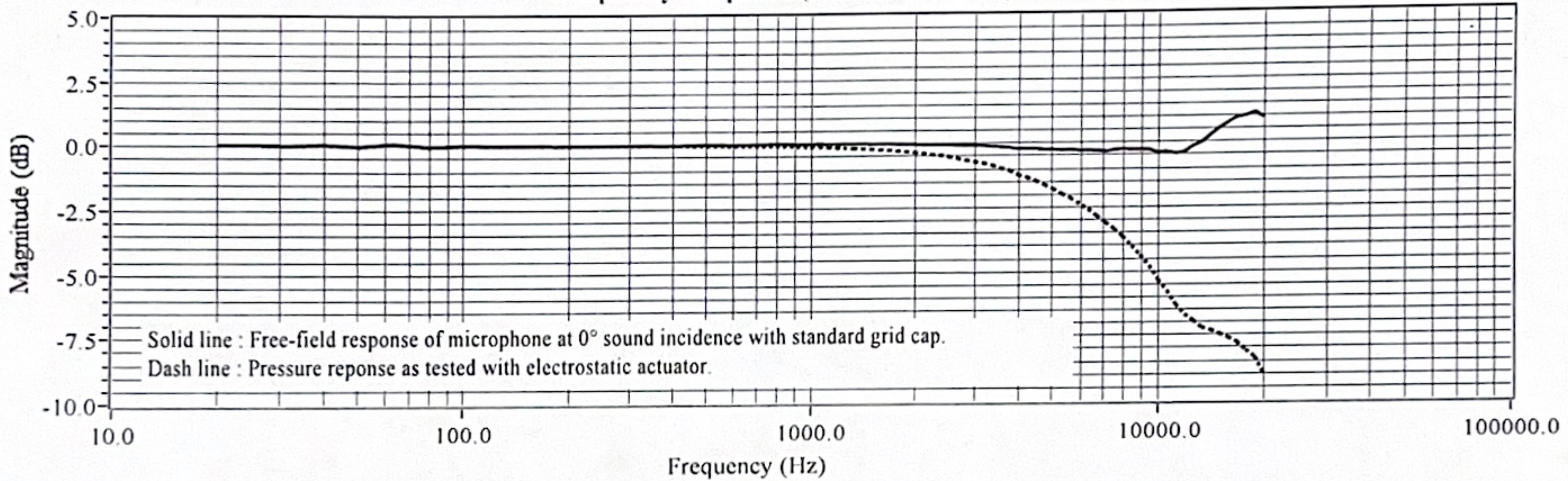
-25.88 dB re 1 V/Pa

Temperature: 68 °F (20 °C)

Ambient Pressure: 976 mbar

Relative Humidity: 39 %

Frequency Response (0 dB at 251.2 Hz)



Frequency (Hz)	Pressure (dB)	Free-Field (dB)	Frequency (Hz)	Pressure (dB)	Free-Field (dB)	Frequency (Hz)	Pressure (dB)	Free-Field (dB)
20.00	0.06	0.06	1584.90	-0.22	-0.01	6683.40	-2.84	-0.32
25.10	0.05	0.05	1678.80	-0.23	-0.00	7079.50	-3.11	-0.33
31.60	0.03	0.03	1778.30	-0.27	-0.02	7498.90	-3.36	-0.29
39.80	0.07	0.07	1883.60	-0.30	-0.02	7943.30	-3.66	-0.27
50.10	0.00	0.00	1995.30	-0.33	-0.02	8414.00	-4.01	-0.28
63.10	0.11	0.11	2113.50	-0.38	-0.04	8912.50	-4.38	-0.27
79.40	-0.01	-0.01	2238.70	-0.41	-0.04	9440.60	-4.79	-0.27
100.00	0.03	0.03	2371.40	-0.45	-0.04	10000.00	-5.35	-0.40
125.90	0.01	0.01	2511.90	-0.51	-0.05	10592.50	-5.77	-0.37
158.50	0.01	0.01	2660.70	-0.58	-0.07	11220.20	-6.30	-0.44
199.50	0.00	0.00	2818.40	-0.64	-0.08	11885.00	-6.71	-0.39
251.20	0.00	0.00	2985.40	-0.70	-0.08	12589.30	-6.94	-0.17
316.20	-0.01	0.00	3162.30	-0.77	-0.09	13335.20	-7.21	-0.02
398.10	-0.02	-0.02	3349.70	-0.87	-0.13	14125.40	-7.32	0.27
501.20	-0.03	0.01	3548.10	-0.97	-0.15	14962.40	-7.45	0.52
631.00	-0.04	-0.00	3758.40	-1.07	-0.17	15848.90	-7.61	0.74
794.30	-0.07	0.02	3981.10	-1.23	-0.23	16788.00	-7.78	0.94
1000.00	-0.10	0.02	4217.00	-1.34	-0.23	17782.80	-8.11	1.00
1059.30	-0.10	0.03	4466.80	-1.46	-0.23	18836.50	-8.38	1.13
1122.00	-0.12	0.02	4731.50	-1.62	-0.25	19952.60	-9.03	0.90
1188.50	-0.13	0.02	5011.90	-1.78	-0.25			
1258.90	-0.15	0.01	5308.80	-1.99	-0.29			
1333.50	-0.16	0.02	5623.40	-2.15	-0.27			
1412.50	-0.17	0.02	5956.60	-2.37	-0.30			
1496.20	-0.20	0.00	6309.60	-2.59	-0.30			

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