INSTRUCTIONS FOR
Velocity Microphone
TYPE 44-BX
MI-4027-H, -J, -K

TECHNICAL DATA

Output Impedance
30, 150 or 250 ohms (connected for 250 ohms when shipped)

Recommended Load Impedance
Unloaded input transformer

Effective Output Level at 1000 Cycles
-55 dbm*
$G_M = 149 \text{ db (RTMA rating)}$

Directional Characteristics
Bi-directional about horizontal and vertical axes (see figures 2 and 3)

Frequency Response
See figure 4.

Hum Pickup **
-115 dbm (terminal-board link in M position)

Finish
TV gray and satin-chrome

Dimensions and Weight
Length - 12 inches (including mounting)
Width - 4-5/8 inches
Depth - 3-1/8 inches
Weight - 8 pound 10 ounces (unpacked)

Cable
3-conductor shielded, MI-438
30 feet long, no plug

Mounting
1/2-inch straight pipe thread

*Sound Pressure = 10 dynes/cm²
**Hum Field = 1 x 10³ gauss

DESCRIPTION

General
The Type 44-BX Velocity Microphones (MI-4027-H, -J and -K) are high-fidelity microphones of the ribbon type that are specially designed for broadcast studio use. They are constructed to withstand mechanical shocks, and to retain sensitivity and frequency response regardless of changes in temperature, humidity and barometric pressure. Their essentially flat frequency response (50 to

Figure 1 - Type 44-BX Microphone