

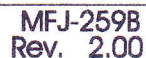
The **"FREQUENCY COUNTER INPUT"** connector (BNC type) is for use as a frequency counter only.

Note: The following is a description of the opening or default menu used by the MFJ-259B. This unit also has an advanced user section in section 4.0.

3.2 Power-up Display

After turning on the **"POWER"** switch, or after applying external power with the **"POWER"** switch on, a sequence of messages appears on the display.

The first message is a program version, this "VER" number indicates the software version.

A rectangular box containing the text "MFJ-259B" on the top line and "Rev. 2.00" on the bottom line.

The second message is the software copyright date.

A rectangular box containing the text "MFJ Enterprises" on the top line and "(c) 1998" on the bottom line.

Note: Holding the **"mode"** button continuously before applying power or turning the **"POWER"** switch on, and continuing to hold the **"MODE"** button down until the copyright message appears, causes a "POWER SAVING OFF" message to appear just as the **"MODE"** button is released. This message appears just before the voltage check. This message confirms the battery saving "sleep mode" has been disabled.

The third message is a voltage check. It displays the operating voltage, indicating battery charge or external power supply voltage.

A rectangular box containing the text "Voltage Low 9.5V" on the top line and a single solid black square on the bottom line.A rectangular box containing the text "Voltage OK 14.7V" on the top line and ten solid black squares on the bottom line.

The final power-up display is the "working" display described in 3.2 (Impedance R&X) below.

Two panel meters indicate SWR and Impedance of loads connected to the **"ANTENNA"** port.

If you press the **"MODE"** button, the mode changes. After releasing the **"MODE"** button, the display will show the proper data for the new mode. The five main (or opening) menu modes are described below.

3.3 Main MODE descriptions

If the **"MODE"** button is momentarily pressed during normal main (or opening) mode operation, the MFJ-259B changes display modes. When the mode first switches, the measurement mode comes up on the screen for a few seconds. The five display modes are described below:

Impedance R&X is the initial power-up mode. In this mode, the MFJ-259B LCD (liquid crystal display, with numbers and letters) shows frequency in MHz, SWR, the resistive part of load impedance (R=), and the reactive part of load impedance (X=). The IMPEDANCE meter displays the complex impedance (Z in ohms), and the SWR meter displays SWR.