How to use the bug detector

Turn on the switch. It will detect even the weakest 1mw bug at over 20 feet.

Turn on the other switch and the bar of led's will register 3-dB steps per led.
Turn off the other switch and you obtain a spot designation.

R7 is to adjust full scale adjust.
R5 is to adjust the zero adjust.

When shielding Mar6 amp.. make sure there is analog grounded foil on top and on the bottom of the amp and encase the entire circuit in a copper lined aluminum box. The box needs to be analog grounded.

This bug detector will detect between DC to 2GHZ.

If you replace IC1 and IC2 with part number ERA-21SM, it will allow sensitivity to increase by .2dB and the frequency bandwidth will increase to DC to 8GHZ. You can detect a huge range of bugs with this modification.

www.plans-kits.com

we sell a kit for this device and we also carry the MAR6 and ERA-21SM ic's.

Enjoy.