

# Tracker Training Document.doc

## General Tips on Tracking

- Emergency Frequencies are 121.5 Mhz or 243.0 Mhz.
- Training Frequencies are 121.575 Mhz and 243.2 Mhz
- If the ELT is far away- **Don't** use the squelch-you can hear the beacon better
- As you get closer to the ELT-**Do** use the squelch
- Bleedover- the closer you are to the source of the signal then that signal can be heard off-frequency so switch to the practice frequency when you get close.
- At these frequencies the signals bounce off of and around anything metal. You have to learn to work Off-Frequency.

## TRACKER Nomenclature

- **Switches**
  - ON-Self explanatory.
  - OFF-The TRACKER requires a conscious act of turning off.
  - CH—Channel 1 (primary frequency) or Channel 2 (training frequency)
  - MAN-Manual LEVEL (squelch) adjustment on/off.
- **Knobs**
  - LEVEL-Adjusts squelch from MAX (easy for the signal to get through) to MIN (hard for the signal to get through)
- **Lights**
  - CH-1-243.0 Mhz.
  - CH-2-243.2 Mhz
  - MAN-Manual Squelch. The light illuminates when the MAN button is pushed. The big knob works when this light is illuminated. When the light is not illuminated then the big knob has no effect.
  - BAT-When illuminated the battery is low. The TRACKER requires two (2) 9-volt batteries.
  - LEVEL- shows the level (strength) of the signal being received.

## TRACKER PROCEDURE

- Remove the TRACKER from the pouch and extend the four wings. Be very careful with the wings-don't break them!!
- Press the ON button. CH-1 and LEVEL lights should illuminate. You should hear static.
- Swing the TRACKER slowly in a circle to see if you can hear the signal. No other adjustment is necessary until you get close enough to hear the signal and the LEVEL light reaches maximum. You will be able to tell if you are approaching or going away from the source by the level of sound and the LEVEL light.
- When the LEVEL light reaches MAX then switch to CH-2.
- If you cannot hear the signal then go back to CH-1 and get closer until you can hear the signal on CH-2. In a pinch use the MAN procedure below on CH-1.
- If you can hear the signal then
  - Continue until the LEVEL light and sound maximizes.
  - Switch to CH-2 and follow the sound until the LEVEL light maximizes.
  - Switch to MAN and adjust the LEVEL knob so the signal maximizes in the direction of the source. Beware of two peaks in opposite directions. Solution: get closer.
  - Adjust the knob to decrease the sensitivity of the unit until you cannot hear the signal if you are more than a few feet away from the source. Congratulations!