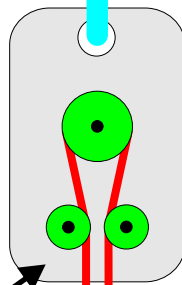


Balloon vertical

Something to keep in mind when perusing this concept. There is no question as to whether this tuning system works as it's been used by the designers for two years in the RTV80. The question here is what can be done for a counterpoise, if anything.

It should be obvious that the balloon must maintain enough lift to allow pull on the **Dacron** rope to lift the feed line and other parts of the antenna system in relation to the turn-around block without lowering the balloon. The **Dacron** and the coax would be tied to a ground anchor after tuning.



Turn-around block

Pinch rollers and slider keeps wires in close proximity for capacity coupling as used in the RTV80 design.

RED
Small flexibly wire - 1/4 wavelength?

BLUE
Dacron pull rope.
Taking up or letting out on the pull rope will change the tuning on the driven section.

Counter poise - Shield of coax or what could it be?

Coax