

A Slim Jim Antenna for VHF Band.

Simple, easy and cheap antenna for your station.

Introductions:

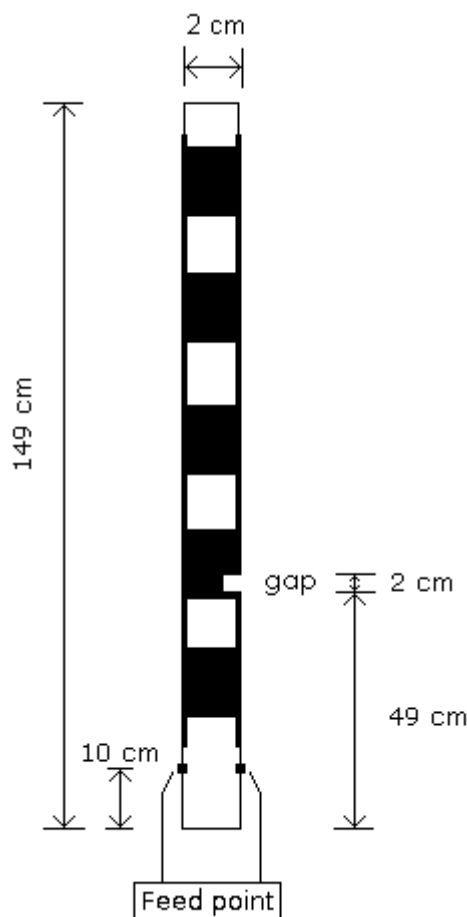
Sometimes i really want use the VHF band for APRS. Often my main dual band V/U antenna occupied on repeaters. I have also an old **SUPER J** antenna but I'm looking for another one. Well i want a small cheap and useful antenna for the second transceiver. Finally search on internet find a **SLIM JIM** antenna schemes. I find schemes for two and three meters band. Well I download the two meters version and I do some modifications for my leader line version. Now I'm ready to build the antenna but first must collect the ...

Materials:

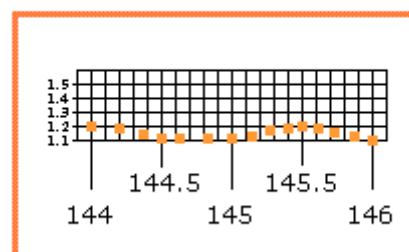
To build it I use pieces of 450 Ohms leader line (approx. 154cm), a PVC tube (approx. 200cm), rope, SO-239 (female connector), RG-58 (about 1,5 meter), electrical tape and two hours of my life! Now came the time to ...

Constructions:

First of all measure and cut the leader line. Strip the ends and solder it. Do the same with RG-58 cable and solder the one end to antenna feed point. Make a hole on PVC tube at 60cm, measuring from the one end. Use 8mm drill. Put inside the tube portion of antenna and the unsolder side of RG-58 and pass it from 8mm hole which do before. Pull now the RG-58 slowly and carefully until antenna pass inside the tube. The critical point finished. Take a breath! Now take the remaining RG-58 and turn around the PVC tube three times (RF chokes). Consolidate with electrical tape. Now solder the female connector SO-239 with the RG-58 ends. Install the antenna and test it. Congratulations just acquire a new antenna!



SWR vs FREQUENCY



Good luck from SV1CDY George J. Orfanos, Athens - Greece