

A Slim Jim Antenna for UHF Band.

Simple, easy and cheap antenna for your station.

Introductions:

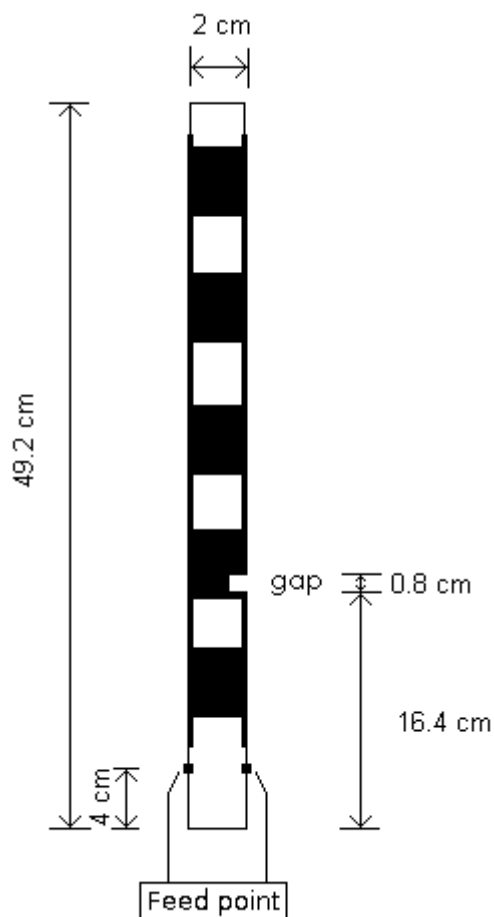
Sometimes i really want use the UHF band for local communication. Often my main dual band antenna used on two meters. Well i want a small cheap and useful antenna for the second transceiver. My mind goes to J antenna but I looking for something better than this. Finally search on internet find a **SLIM JIM** antenna schemes. I find schemes only for two and three meters band. Well I download the two meters version. Sometimes I fell a little bit lazy to do something. So doesn't want compute the dimensions of the antenna from the beginning. Just split the dimensions to three and ok. Nice job.

Materials:

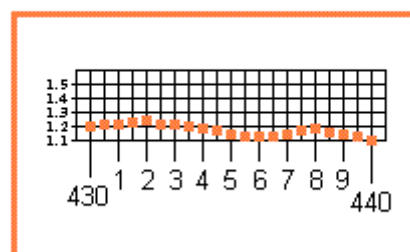
To build it I use pieces of 450 Ohms leader line (approx. 52cm), a PVC tube (approx. 70cm), rope, SO-239 (female connector), RG-58 (few centimetres), electrical tape and two hours of my life!

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 50cm, 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 one time (RF chokes). Consolidate with electrical tape. Now solder the female connector SO-239 with the RG-58 ends. Install the antenna and ... congratulations.
Just acquire a new antenna!



SWR vs FREQUENCY



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