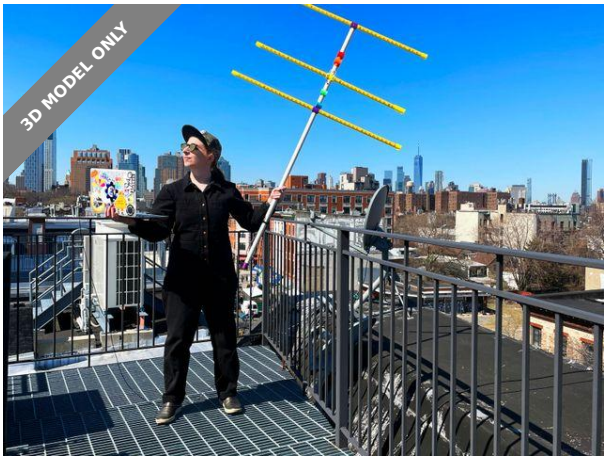

Tape Measure Yagi Antenna

Becky Stern

VIEW IN BROWSER

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Summary

My take on this classic design uses pieces of tape measure as radials, PVC pipe as the mast, and 3D printed couplers.

Gadgets > Other Gadgets

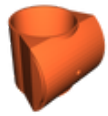
Tags: antenna hamradio

I modeled the couplers using Tinkercad, first by creating stand-ins for both the mast and the tape measure, then forming solids to join the two and grouping everything together. After making this long version I shortened it so the couplers could be closer together on the mast, and created a few versions for the end cap and driven element couplers. I printed the rainbow of parts on my Creality CR10s-pro using 20% infill. You can copy the design on Tinkercad or download my STL files.

Tutorial: https://beckystern.com/2021/03/29/tape-measure-yagi-antenna/

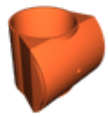
Model files

yagi-base-cap.stl



yagi-reflect.stl

yagi-driven.stl



yagi-reflect-end.stl

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