

Dual Band Satellite YAGI Antenna



ok1cdj

[VIEW IN BROWSER](#)

updated 24. 10. 2022 | published 24. 10. 2022

Summary

Portable VHF/UHF antenna for amateur radio satellites. 5 el. yagi for UHF band combined with Moxon for VHF.

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Original design by LY3LP, recalculated by George M1GEO

Dimensions and design:

https://www.george-smart.co.uk/antennas/dual_band_satellite_yagi/

How to print:

Element holders - 4 perimeters 20% infill no support - **6 Pcs**

Radiator holder - 4 perimeters 20% infill support only from the bed - **1 Pc**

Moxon joint - 4 perimeters 20% infill no support - **2 Pcs**

Material needed:

3 or 3.2 mm welding rods (aluminium for elements and brass for moxon - you need solder coax)

16 mm diameter plastic tube from Hobby Market

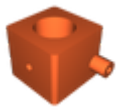
1 - 1.5 m of coax with connector to your Radio

Cable ties for coax fixing

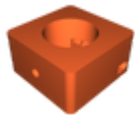
Epoxy Glue for coax fixing in holder and for moxon joints

3mm self-cutting screws for fixing elements on the boom

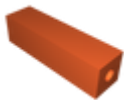
Model files



radiator-holder.stl



element-holder.stl



moxon-joint.stl

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