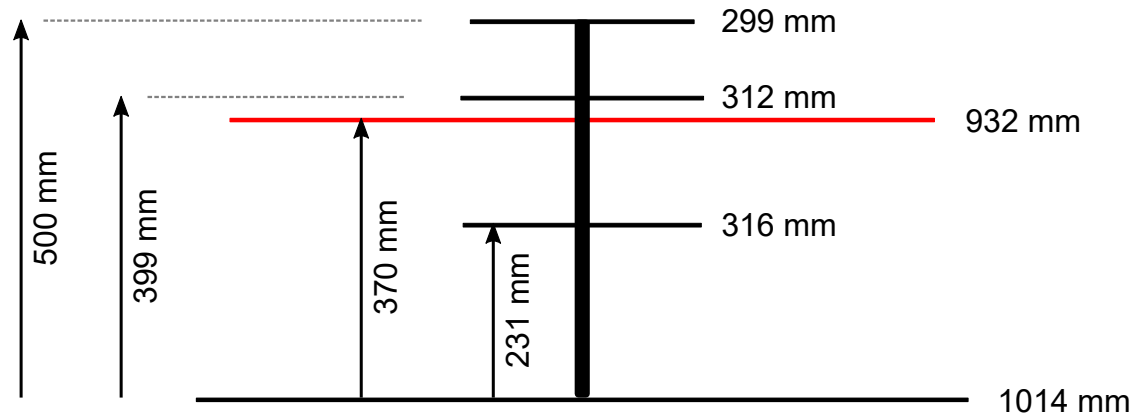


OE1CGS Dualband Yagi 2m/70cm

for LEO-Satellite communication



This version is based on the antenna design by DK7ZB, but optimized for typical frequencies of LEO satellites (145,8 and 436,5 MHz). All elements are 6 mm Aluminum tubes, inner diameter 4 mm.

The antenna is dualband with only one driven element (shown in red). There is no need for a diplexer, since the antenna matches 50 ohm for both bands.

About 6.3 dBi of gain can be expected for the 2 m band and about 8.4 dBi for 70 cm.

With an overall weight of 220 g the antenna is perfect for manual operation and can be built in about 2 to 3 hours. Total cost of material is only 15 €.

Detailed information is available at: www.oe1cgs.at