

Ubiquiti 5GHz 30dBi Dish

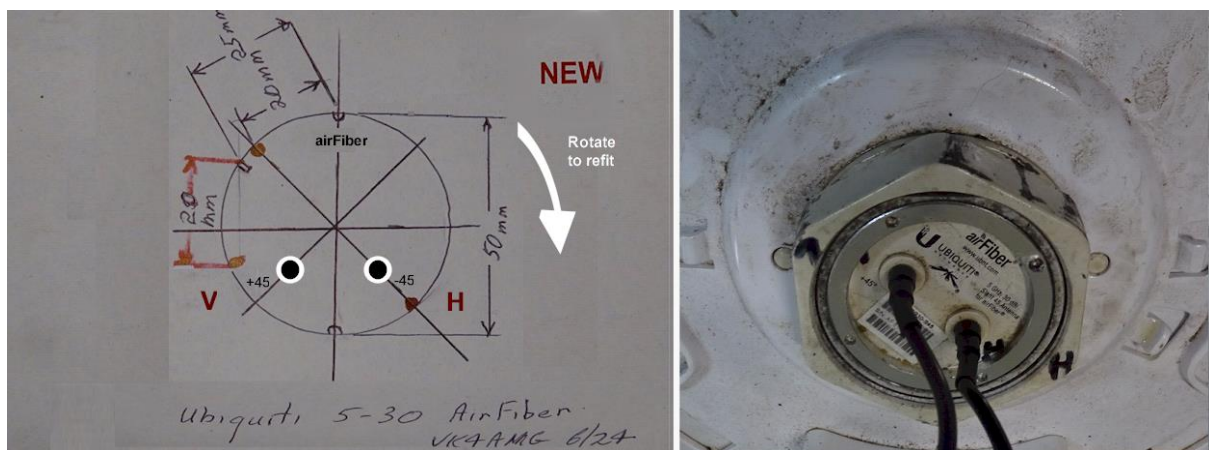
A number of these RD-5G30-LW dishes [RocketDish Datasheet \(ubnt.com\)](https://www.ubnt.com/Products/Accessories/RocketDish/5GHz/30dBi/) became surplus in the south eastern VK4 area. Ubiquiti Networks use cross polarization (+45° and -45°) to reduce noise and provide some diversity.



Two orthogonal dipoles are mounted in the rear of the dish with the dish illuminated by an Cartesian reflector at the focal point of the dish. To reduce side lobes the reflector has stepped rings at the outer edges.

For amateur radio operation horizontal polarization is preferred. There are several mechanical options to rotate the dish and hence polarization.

When the retaining ring is removed (a punch and hammer or special tool), the keying of the dipole assembly is clear.



New slots allow the dipole assembly to be rotated 45° clockwise. Reassembly provides horizontal or vertical polarization. Note and mark the polarization on the rear of the dipole assembly.