

W255BO Winemiller 154w Circularly Polarized (Slant) Composite Antenna Description

This proposal is for a composite antenna consisting of 2 Scala CA2 style antennas, both will be 45 degree slant polarized making them circular polarization. Here is the antenna layout:

1. One Scala CA-2 Slant 45 pointed at 100 degrees true north. The ERP on this antenna will be 154 watts.
2. One Scala CA-2 Slant 45 pointed at 200 degrees true north. The ERP on this antenna will be 77 watts.

This translator will incorporate a 66.6/33.3 splitter in the transmission line prior to the antennas.

The entire array will be rotated plus 15 degrees. This will result in the antennas being physically mounted at 115 degrees true north and 215 degrees true north.