

## W293BW Composite Antenna Description

This proposal is for a composite antenna consisting of one Scala CA2 style antenna and one Scala HDCA5 style antenna, one polarized vertically and one polarized horizontally. Here is the antenna layout:

1. One Scala CA-2V (FCC standard pattern 16130) pointed at 230 degrees true north. This is a vertical only antenna and the ERP on this antenna will be 12.1 watts.
2. One Scala HDCA-5H (FCC standard pattern 16179) pointed at 80 degrees true north. This is a horizontal only antenna and the ERP on this antenna will be 9 watts.

This translator will incorporate a 75/25 splitter in the transmission line prior to the antennas. The splitter input power will be 6.4 watts.