



# RADIOWORLD

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80 - 10 meters  
only 66'

## CAROLINA WINDOM® 80 Special™

## CWS-80 Radio Works Carolina Windom 80 Special antenna, £134.95

**Specifications**

**Freq. Coverage:** 80-10 meters <sup>SEE NOTE</sup>  
**Radiator Length:** 66'  
**Vertical Radiator:** 10'  
**Polarization:** Vert. and Horizontal  
**Matching Method:** DMU + Tuner  
**Tuner Needed:** Yes, all bands  
**Power Rating:** 1500 watts, 40-10 m, CW/SSB  
 500 watts, 80 m <sup>SEE NOTE</sup>  
**Recommended Height:** >35', usable @ 25'  
**Radials:** Not required

**Note: 80 m Operation**  
 The CAROLINA WINDOM 40 has been modified to permit operation on 80 meters. 40 - 10 m are the primary operating bands. You MUST reduce transmitter output power to under 500 watts PEP CW/SSB. Higher power levels will destroy the Dedicated Matching Transformer or Line Isolator.

**CAROLINA WINDOM® 80 Special™ vs 80 m Dipole**  
 At very low radiation angles, here 10°, the CW 80 Special™ has the advantage due primarily to its vertical radiation pattern. At higher radiation angles, the advantage diminishes until the CW 80 Special™ and the dipole are about equal.

**At 20° takeoff angle or above, the dipole and CAROLINA WINDOM 80 Special™ are about equal. On 40 through 10 meters, the performance is the same as the CAROLINA WINDOM 40.**

## DESCRIPTION

The CWS-80 RadioWorks Carolina Windom 80 Special antenna, Surely the answer to many hams antenna problem, a design that fits into the average garden yet covers all the popular HF bands. Because the radiator is only a quarter wave on 80m, your signal will be about 4dB down on this band (less than 1 S-point), but as signals are generally strong on this band, the difference is more than acceptable in order to fit the antenna in to the limited space. On the other bands, 40m - 10m, you will enjoy full Carolina Windom performance. Also note that with this model you will need an external ATU as internal transceiver ATUs generally will not have the adjustment capacity.

Carolina Windom (CW-80 Special)

- \* 80 - 10m
- \* Length: 20.1m (66ft)
- \* Feeder: 50 Ohms
- \* Matching: Balun/Line isolator
- \* Transmatch: Required
- \* SWR: Low

\* Power: 1.5kW

\* V Radiator: 3m (10ft)

\* Install: >10.6m (35ft) above ground