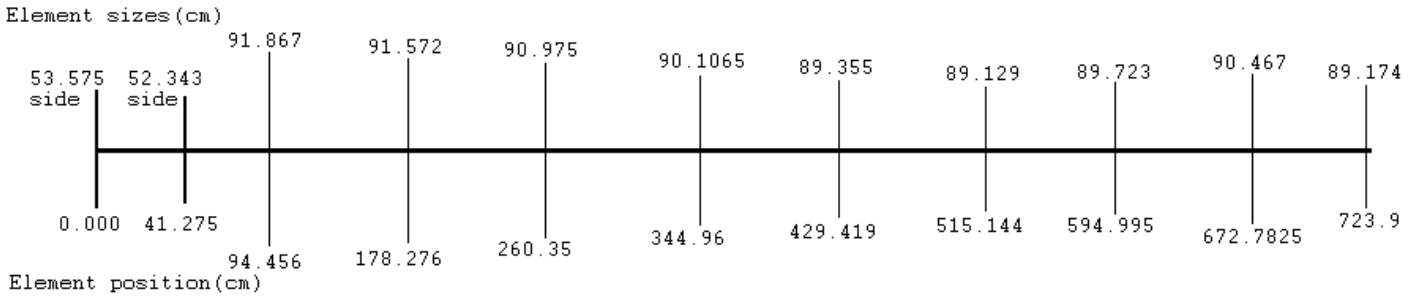
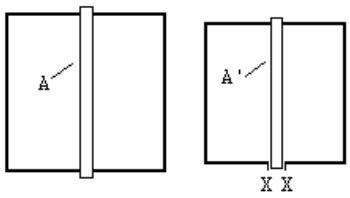


Construction details



Reflector Loop — Driven Loop

X X = Feedpoint

A, A' = stabilizing rods made of fiberglass or wood

Loop cirkumstances:

Reflector: 214.2998 cm
Driven: 209.3722 cm

Loops made of 2.0 mm solid INSULATED copper wire

Antenna Characteristics:

23' 9" (7.24 m) long boom Quagi
11 element
Gain: 13.56 dBd at 144.100 MHz
F/B: 23dB
Stacking optimum: E Plane 13.73' (4.185 m), H Plane 12.86' (3.92 m)

Construction materials:

Boom: non-electric. Wood or fiberglass
Directors: 3/16" (4.8-5.0 mm) aluminium rod
Loop elements: 2 mm solid insulated copper wire

Note:

Seal all elements with epoxy glue. Do NOT use any N-connector at the feedpoint. Solder coax directly to the feedpoint. Cover connection with a weather-proof box.

W5UN 11el Quagi 144MHz

Hans Östnell	Ver 1.0	19980223

SM7TUG
Hans Östnell
Ronnebyv. 77, PL1001
SE-370 12 HALLABRO
SWEDEN