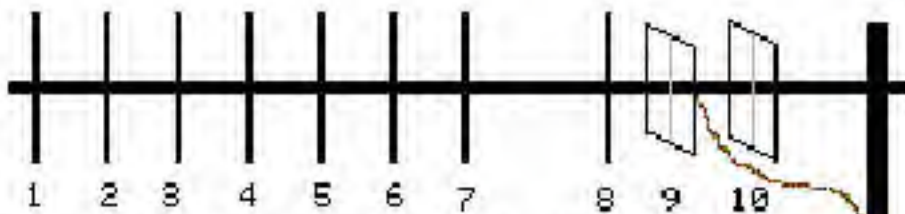


10 Element Quagi for 900 MHz Band



Elements 1-7 are spaced 3 inches (7.6 cm) apart on the boom.

There is 6 inches (15.2 cm) between elements 7 and 8. There is

2 3/4 inches (7 cm) between elements 8 & 9, and 3 1/4 inches

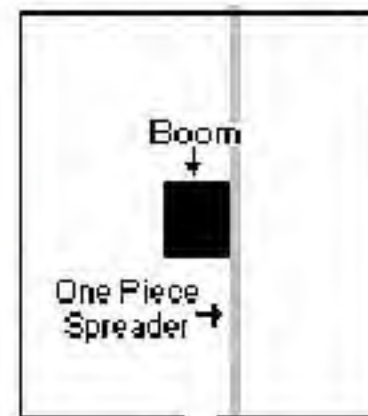
(8.2 cm) between elements 9 & 10.

Element #	Length		Center	
	Inches	Centimeters	Inches	Centimeters
1	5 3/16	13.2	2 19/32	6.6
2	5 1/4	13.3	2 5/8	6.7
3	5 5/16	13.5	2 21/32	6.7
4	5 3/8	13.7	2 11/16	6.8
5	5 7/16	13.8	2 23/32	6.9
6	5 1/2	14.0	2 3/4	7.0
7	5 9/16	14.1	2 25/32	7.1
8	5 5/8	14.3	2 13/16	7.1

Notes: The boom, should be non-metal or metal if the elements are insulated from it. The driven element and reflector may be made of #12 (solid) copper wire. The "spreader" holds top & bottom of the driven element & reflector loops, to the boom with a single screw.

Detail of Quad Elements (shown individually for clarity)

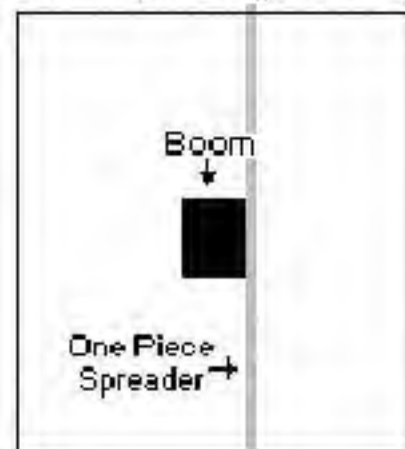
Driven Element (total length 11 3/8" (28.9 cm))



2 7/8" (7.3 cm)
Square
Loop

Leave 1/8" (3.2 mm) Gap
For Feedpoint

Reflector (total length 13 1/8" (33.4 cm))



3 9/32" (8.3 cm)
Square
Loop