

Dipole and quarter-wave vertical lengths

Frequency (MHz)	Half-wave dipole (ft)	Each leg (ft)	Quarter-wave vertical (ft)
1.9	246.3	123.2	123.2
3.8	123.2	61.6	61.6
5.35	87.5	43.7	43.7
7.15	65.5	32.7	32.7
10.12	46.2	23.1	23.1
14.2	33	16.5	16.5
18.1	25.9	12.9	12.9
21.3	22	11	11
24.93	18.8	9.4	9.4
28.4	16.5	8.2	8.2
50.1	9.3	4.7	4.7
146.52	3.2	1.6	1.6

Starting lengths; trim with an SWR meter or analyser.