Cutting lengths for full wave wire dipoles

For metric measurements divide 150 by the frequency required

E.g. 150 ÷14.26500 =10.5 meters

For imperial measurements divide 468 by the frequency required

E.g. 468 ÷14.26500 =32FT 8.5 inches cut for lowest vswr so to cut for centre frequency

Top band 1.93000=243ft each leg would then be 122ft cut for lowest vswr

Half wave 64ft each leg

3.3 MHz 80 meters phone sec 3.7600=125ft each leg 63 ft

Half wave 62ft 2inch each leg31ft 3inch

7 Mhz 40 meters phone sec 7.0700 66ft 3inch each leg

Half wave 33ft 6inch

14Mhz 20 met 14.235 32ft 9inch each leg

Half wave 16ft 5inch

21Mhz 15meters 21.235 22ft 2inc each leg

Half wave 11ft 2inch

28Mhz 10 meters 16ft 5inch each leg

Half wave 8ft 4inch

All must be fed with 50 ohm coax and must be cut for lowest VSWR.

All of these can be stacked in sets of 3 bands assembled then

Trim the highest band first as there will be some interaction

The BARLS dipole

10 meters 8'6" trim to size

15 meters 21.264 =each leg 11 ft trim to size

17 meters =18.164 12ft 11"

20 meters 14.264 16'6: trim to size