

AMATEUR RADIO ANTENNA LENGTH CHART



	Frequency (Mhz)	1/4 λ (Feet)	1/2 λ (Feet)	1 λ (Feet)	1/2 λ Inv Vee 90° (Feet)
	1.800	130' 0"	260' 0"	558' 4"	257' 5"
	1.850	126' 6"	253' 0"	543' 3"	250' 5"
160 Meters	1.900	123' 2"	246' 4"	528' 11"	243' 10"
	2.000	117' 0"	234' 0"	502' 6"	231' 8"
	3.500	66' 10"	133' 9"	287' 2"	132' 5"
	3.750	62' 5"	124' 10"	268' 0"	123' 7"
80 Meters	3.900	60' 0"	120' 0"	257' 8"	118' 10"
	4.000	58' 6"	117' 0"	251' 3"	115' 10"
	5.330	43' 9"	87' 8"	188' 5"	86' 9"
	5.346	43' 7"	87' 5"	188' 0"	86' 6"
	5.357	43' 6"	87' 4"	187' 6"	86' 5"
	5.371	43' 5"	87' 1"	187' 1"	86' 2"
60 Meters	5.403	43' 3"	86' 6"	186' 0"	85' 7"
	7.000	33' 5"	66' 10"	143' 7"	66' 2"
	7.150	32' 9"	65' 5"	140' 7"	64' 10"
	7.300	32' 1"	64' 1"	137' 8"	63' 6"
40 Meters	10.100	23' 2"	46' 4"	99' 6"	45' 10"
	10.150	23' 1"	46' 1"	99' 0"	45' 8"
	14.000	16' 9"	33' 5"	71' 9"	33' 1"
	14.150	16' 6"	33' 1"	71' 0"	32' 9"
	14.300	16' 4"	32' 9"	70' 3"	32' 5"
	14.350	16' 4"	32' 7"	70' 0"	32' 3"
20 Meters	18.068	12' 11"	25' 11"	55' 7"	25' 8"
	18.168	12' 11"	25' 9"	55' 4"	25' 6"
	21.000	11' 2"	22' 3"	47' 10"	22' 1"
	21.200	11' 0"	22' 1"	47' 5"	21' 10"
	21.450	10' 11"	21' 10"	46' 10"	21' 7"
15 Meters	24.890	9' 5"	18' 10"	40' 5"	18' 7"
	24.990	9' 4"	18' 9"	40' 3"	18' 6"
12 Meters	28.000	8' 4"	16' 9"	35' 11"	16' 7"
	28.500	8' 3"	16' 5"	35' 3"	16' 3"
	29.700	7' 11"	15' 9"	33' 10"	15' 7"
	50.000	4' 8"	9' 4"	21' 1"	9' 3"
	54.000	4' 4"	8' 8"	18' 7"	8' 7"
6 Meters	144.000	1' 8"	3' 3"	7' 0"	3' 3"
	148.000	1' 7"	3' 2"	6' 9"	3' 2"
2 Meters	420.000	6.600"	1' 1"	2' 4-3/4"	
	450.000	6.250"	1' 0"	2' 2-7/8"	
70 Centimeters					