

## Antenna Wavelength and trimming Chart for some Amateur Radio Bands

Ham Band (m)	Nominal Frequency MHz	1/4 wave length antennas				1/2 wave length antennas			
		Length 1/4 wave, feet	Length 1/4 wave, inches	Effect of trimming 1" in Mhz	Effect of trimming 1/4" in Mhz	Length 1/2 wave, ft	Length 1/2 wave, in.	Effect of trimming 1" in Mhz	Effect of trimming 1/4" in Mhz
160	1.900	123.16	1477.89	0.0013	0.000	246.32	2955.79	0.001	0.000
80	3.750	62.40	748.80	0.0050	0.001	124.80	1497.60	0.003	0.001
60	5.358	43.67	524.08	0.0102	0.003	87.35	1048.15	0.005	0.001
40	7.150	32.73	392.73	0.018	0.005	65.45	785.45	0.009	0.002
30	10.125	23.11	277.33	0.037	0.009	46.22	554.67	0.018	0.005
20	14.175	16.51	198.10	0.072	0.018	33.02	396.19	0.036	0.009
17	18.125	12.91	154.92	0.117	0.03	25.82	309.85	0.058	0.015
15	21.225	11.02	132.30	0.160	0.04	22.05	264.59	0.080	0.02
10	28.400	8.24	98.87	0.287	0.07	16.48	197.75	0.144	0.04
6	50.125	4.67	56.02	0.895	0.22	9.34	112.04	0.447	0.11
6	52.000	4.50	54.00	0.963	0.24	9.00	108.00	0.481	0.12
2	146.000	1.60	19.23	7.591	1.90	3.21	38.47	3.796	0.95
1.25	223.000	1.05	12.59	17.710	4.43	2.10	25.18	8.855	2.21
70 cm	445.000	0.53	6.31	70.522	17.63	1.05	12.62	35.261	8.82
23 cm	1296.000	0.18	2.17	598.154	149.54	0.36	4.33	299.077	74.77

**VA3DDN**

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Note 1. Lengths calculated based on  $1/2 \lambda = 468/f(\text{mhz})$

Note 2. As always, cut longer and then carefully trim