

As a rule of thumb, a wire half-wave antenna's length in feet is equal to 468 divided by the frequency in MHz.

VHF Television Channel Data

TV channel	MHz range	---carrier--- video	sound	antenna lengths
2	54-60	55.25	59.75	8.47ft
3	60-66	61.25	65.75	7.64ft
4	66-72	67.25	71.75	6.95ft
5	76-82	77.25	81.75	6.05ft
6	82-88	83.25	87.75	5.62ft
7	174-180	175.25	179.75	2.67ft
8	180-186	181.25	185.75	2.58ft
9	186-192	187.25	191.75	2.49ft
10	192-198	193.25	197.75	2.42ft
11	198-204	199.25	193.75	2.34ft
12	204-210	205.25	209.75	2.28ft
13	210-216	211.25	215.75	2.21ft

(All frequencies in MHz)

(Lengths are for half-wave antennas)

For Further information: Look in the ARRL Handbook published by the American Radio Relay League for detailed plans & theory for antennas, transmitters & linear amplifiers. The info in that book can be used for setting up an underground AM or FM radio station.

Uses for a TV Clandestine Station:

Public Education: Make a videotape of each step in the process of constructing your transmitter. Show this tape in your broadcasts, "For informational purposes only", of course.

Short-burst zipping: From a fixed or mobile base of operation show short snippets of graffiti-like computer graphics, quick subliminal messages, images & suggestions, or brief phreaker manifestos. Commercials are an opportune time to break into TV broadcasts.

Live call-in shows: Using a Cheese Box, or other device for receiving untraceable phone calls and a video camera do a live call-in show. Encourage people to call in using Red, Blue, and other phreaking boxes.

Cable TV Piracy: With modifications it may be possible to feed the power RF

signal directly into a cable TV system, overriding cablecasts or commandeering unused channels.

Mobile Operation: Using storage batteries and a 110-volt inverter the transmitter may be modified for mobile use to avoid detection by the FCC during long broadcasts. Battery operated mobile linear amps and portable camcorders are also available.

* Please add any anecdotes or new information you discover to this file *
