Coax Monopole Antenna
by OE1MWW
Feb. 2002

Feedpoint impedance of antenna is ~ 36 Ohms
YES, it’s right, the inner conductor of L1 (feeding coax) is connected to the shield of L3! The radiating part of this antenna is the outside shield of L3 and L4.

L1, L2, L3, L4 is made of Coax RG/58 or RG/213

L1 & L2: use the software "coaxstub.exe" to calculate.
http://www.qsl.net/oe1mww/coaxstub.exe
you need VB6 runtime!

This document can be found at http://www.qsl.net/oe1mww/coax_monopole.pdf

L3 = f/4 * Vk
L4 = (f/4 * 0,95) - L3,
tune L4 for best SWR,
important: inner conductor is connected to shield of L4 on both ends! Instead of coax, you can use also a thick wire for L4.

f in meters of wavelength
Vk of coax is ~ 0,66 (RG58U)