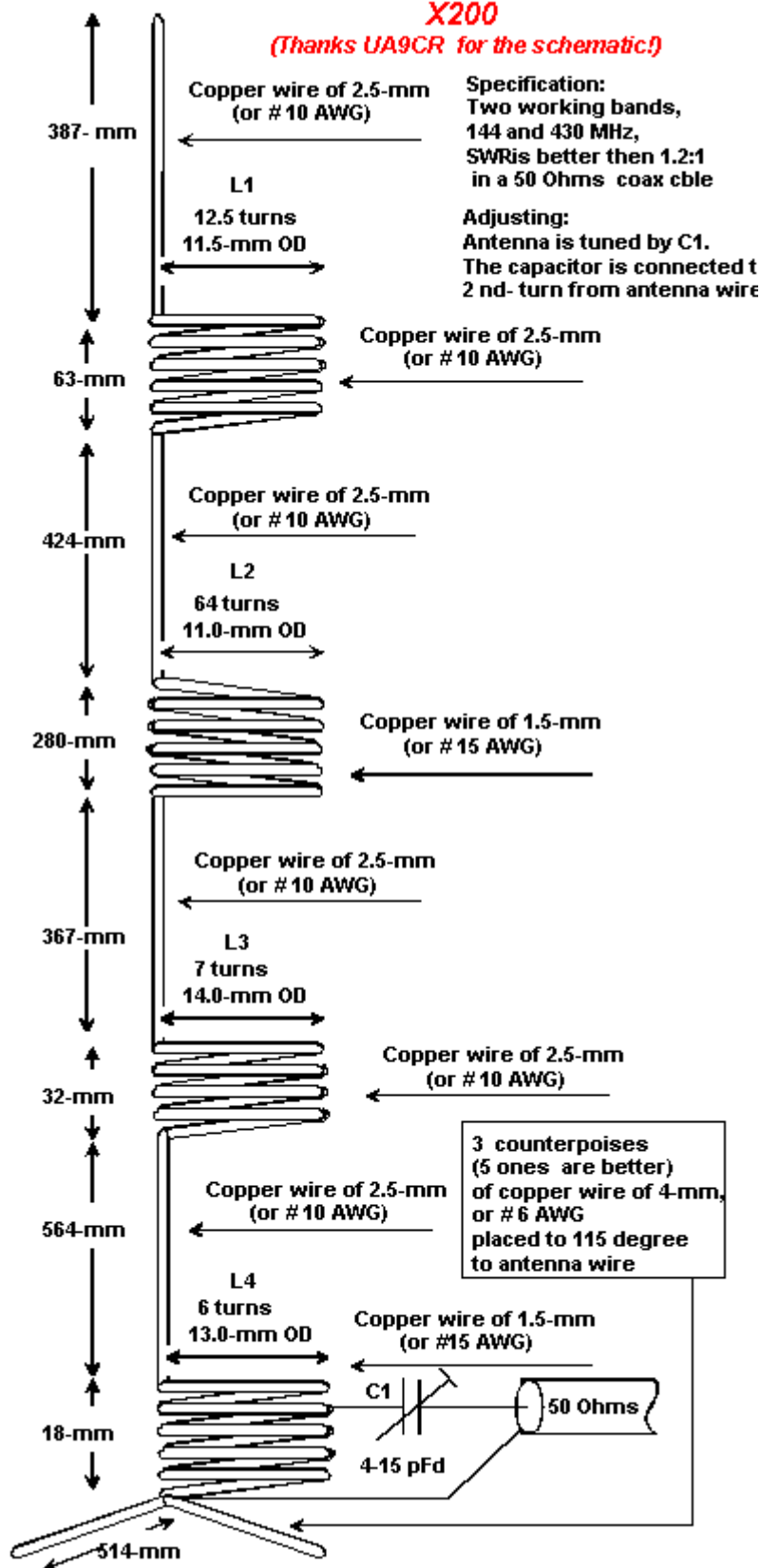


Antenna X200

X200

(Thanks UA9CR for the schematic!)



Александр UA9CR

Dear Friends,

Most of us are heard about VHF antenna X200. It is very interesting and very reliable two bands antenna.

RV9CX made some modifications for the antenna, so, the new RV9CX-X200 is more suitable for doing at amateur conditions. Go to the next page for the new antenna!

Comments about the antenna please send to Dmitry, RV9CX: rscs@rosteck-msi.ru

Also, you can visit to

www.znuki.ru



The site, where are Dmitry and his friends

DX X-HAMRADIO ИКС
KENWOOD TS-950SDX XXX-VIDEO
X-РАДИОСПОРТ X-CALL

X200
modified by RV9CX

Specification:
Two working bands,
144 and 430 MHz,
SWR: 1.03:1 at 145 MHz
1.02:1 at 433 MHz
in a 50 Ohms coax cable

Antenna wire and spools
L1, L2, L3, L4, ALL is made
of a whole piece of copper wire
of 2.0-mm diameter (or #12 AWG)

Antenna wire and spools
L1, L2, L3, L4, ALL is installed
inside a plastic fishing - rod

Parameters of L4 is changed
as to original X200. See the
schematic for the parameters.

Adjusting:
Antenna is tuned by C1.
The capacitor is connected to
1.5 th- turn from antenna wire.
If antenna has a good SWR
at 144 and 430, but values of
C1 are differed on the bands,
then you should chose
a tap from L4.

Attention: Without C2 the
antenna works only at 144 MHz.

As RV9CX mentions, the antenna
works fine for 3.5 years without
any care to it!

4 counterpoises for 144-MHz
(514-mm) and
4 counterpoises for 430-MHz
(170-mm), ALL is made
of copper wire of 4-mm,
or #6 AWG, ALL is
placed to 90 degree
to antenna wire

