Field Antenna for FT- 817

By: Vladislav Merkulov, UU9JEW
uu9jew@mail.ru
Sevastopol, Ukraine

I am going to try my FT- 817 from field conditions so I need a field antenna for my FT- 817. I have found proper antenna ATX-1080 at the internet, but… The first, it costs more the 100 evro (it is too much for me), and second, it is hard to order this one from Ukraine. So I decided to do the same antenna by myself. Alas, my home brew antenna does not work at the 80 meters. However, 10- 40 bands were enough for me.

UU9JEW at the field operation

Plastic tube has length 380 mm and diameter 12 mm. 250 turns of a copper wire (0.8 mm in diameter or 20 AWG) were coiled above the form turn to turn

Number of contact clips/ Quantity of turns between The clips	Length between clips, mm
1-2c. c. –135t.	1-2 –140
2-3 c.c. – 43t.	2-3 – 50
3-4 c.c. – 27t	3-4 – 30
4-5 c.c. – 15t.	4-5 – 20
5-6 c.c. – 14t.	5-6 – 20

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An angular PL- socket is attached underneath of the plastic tube. A screw for jointing an old TV telescope antenna (1100 mm length, 11 sections) is attached at upper parts of the plastic tube.

Contact clips were melted in the plastic form. A small piece of wire does shortening the clips depend on used band. The coil was covered by a thermocontractable plastic tube.

Band, meters	40	30	20	17	15	12	11	10
Number of used sections of the TV- antenna	9,5	9	9	11	9	11	11	8
Shortened clips	3-6	1-2	1-3	1-4	1-4	1-5	1-5	1-5
Counterpoise length, meters	7,8	4,8	3,0	3,0	2,5	2,5	2,5	2,5

May be you will get another data for your antenna because it may depend on to place and neighboring environment. When I at first time was checking the antenna at 2.5 watts I have got 59 from UA9 (at 20 meters) and 57 from Ukraine at 40 meters.

Stuff for the antenna costs only $ 4.

73! UU9JEW

Ohh, I forgot, I used a Chinese metal tape-line in 10 meters long as a counterpoise for my antenna.

Credit Line: <http://www.qrz.ru/schemes/contribute/antenns/uu9jew.shtml>