

SOME EXPERIMENTS OF FLAT EH ANTENNA 145 MHz (continuation) Vladimir (UA1ACO)

Previous experiments with flat EH antenna (by Ted W5QJR) are provided in file ua1aco_exp_new.pdf. In this file, continuation experiment with use VNA analyzer. On Fig.1 possible to see VSWR antenna “rubber-duck” of radio stations "Kenwood TH-F6A"

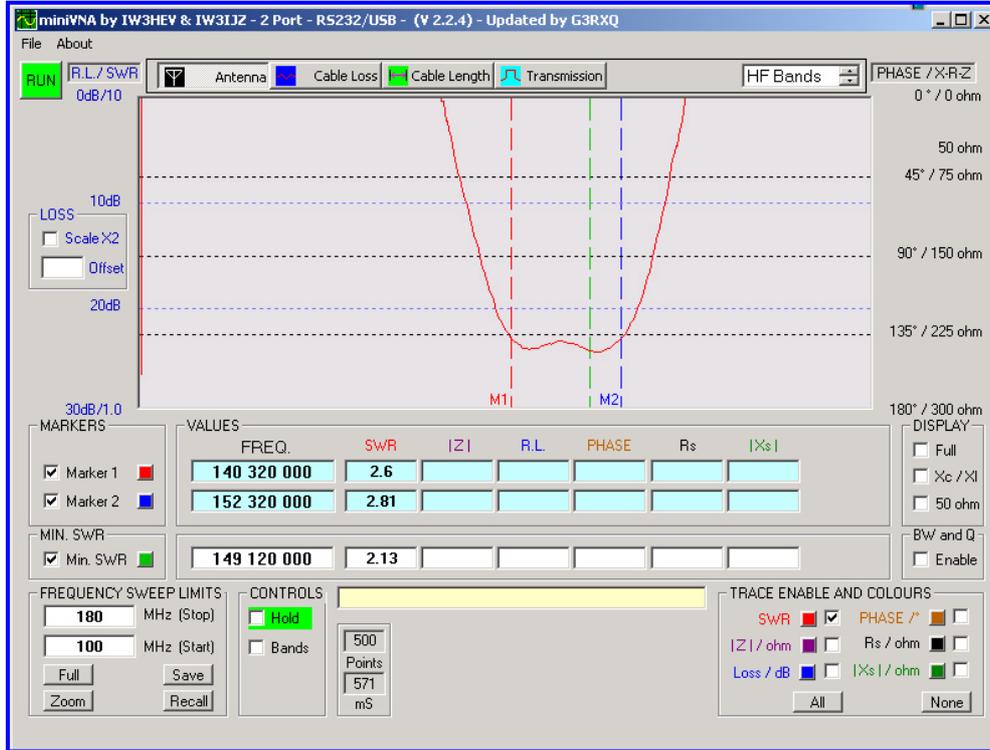


Fig. 1

On Fig.2 possible to see VSWR flat EH antenna:

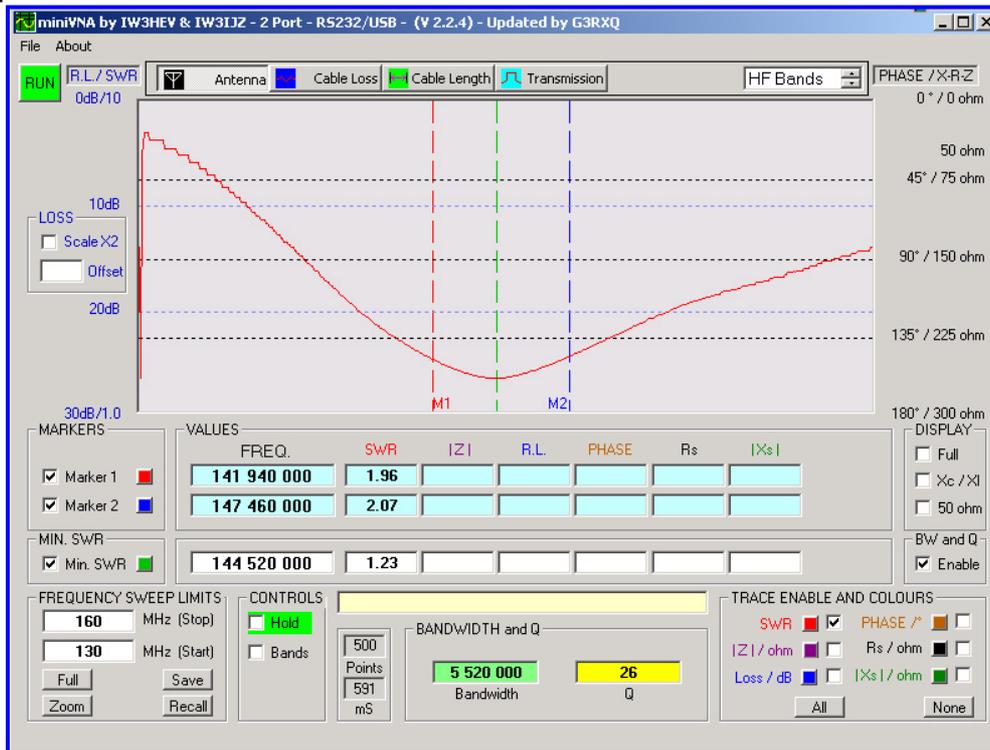


Fig. 2

Measured 2:1 VSWR passband about 5.5 MHz for flat ant. (calculation in program - 6 MHz).

Hereinafter by means of VNA we measure passband on level +/- 3 dB. On Fig.3 possible to see passband flat EH antenna:

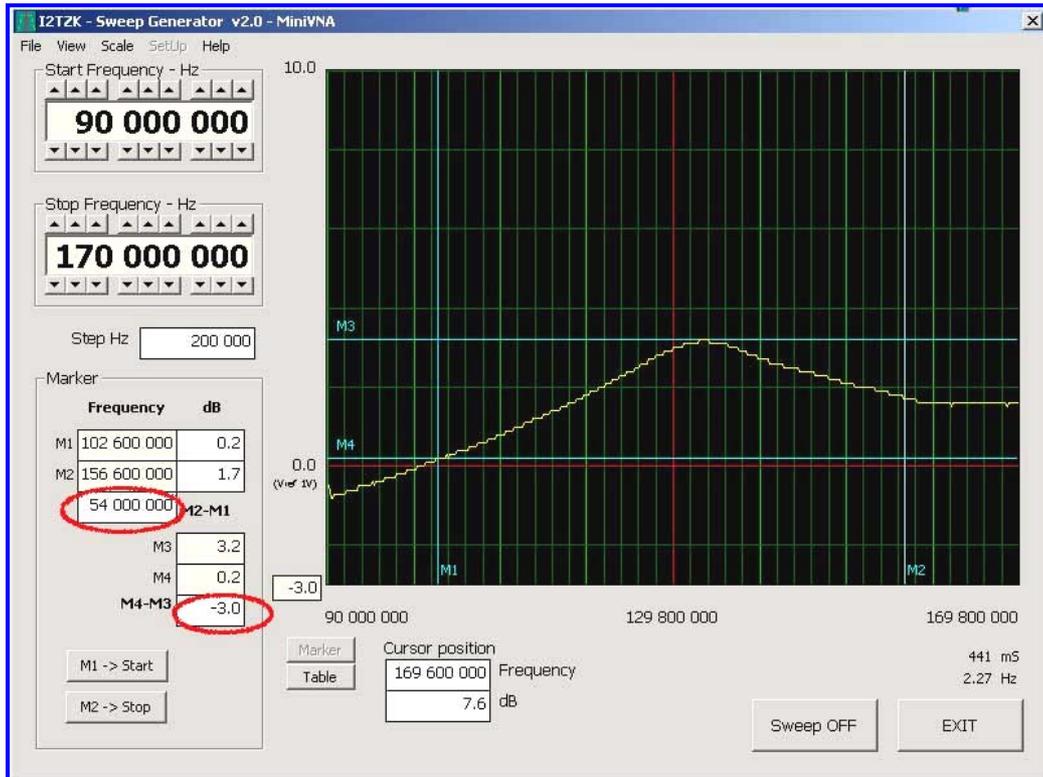


Fig. 3

And antenna "rubber-duck" of radio stations "Kenwood TH-F6A" on Fig. 4

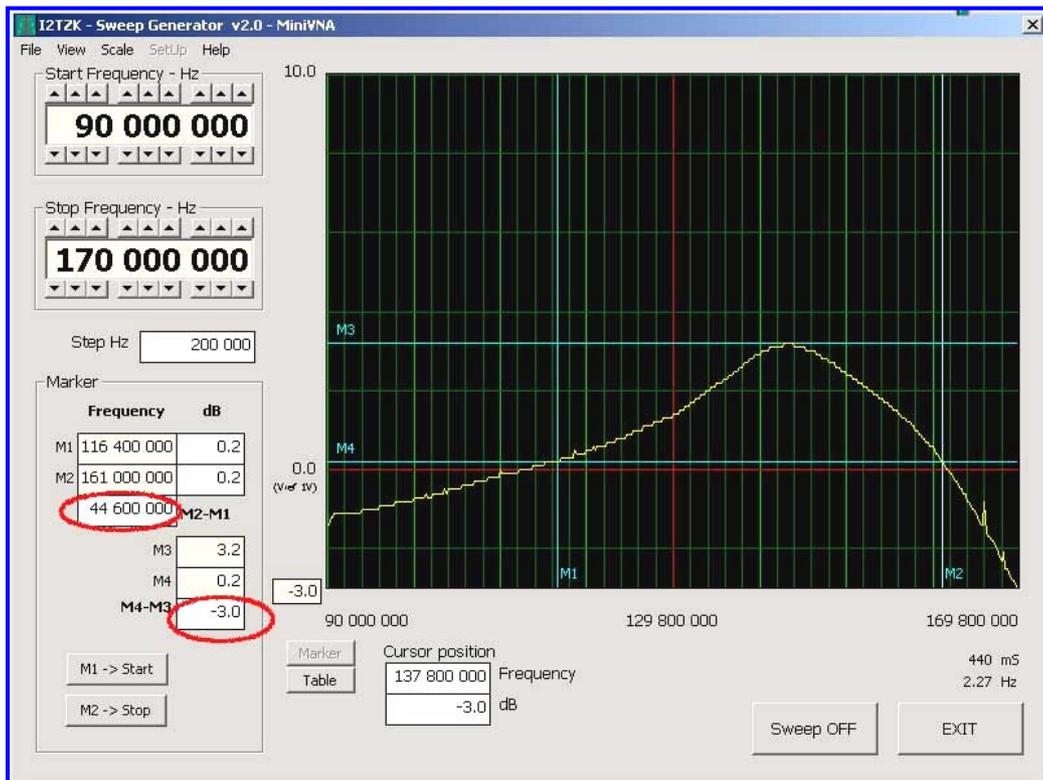


Fig. 4

So, finally VSWR for single LC with twisted feedline 19 centimeters long (Fig. 5)
 Remove the dipole elements from the flat EH antenna ant connect a capacitor in its place.
 (compare to Fig. 2).

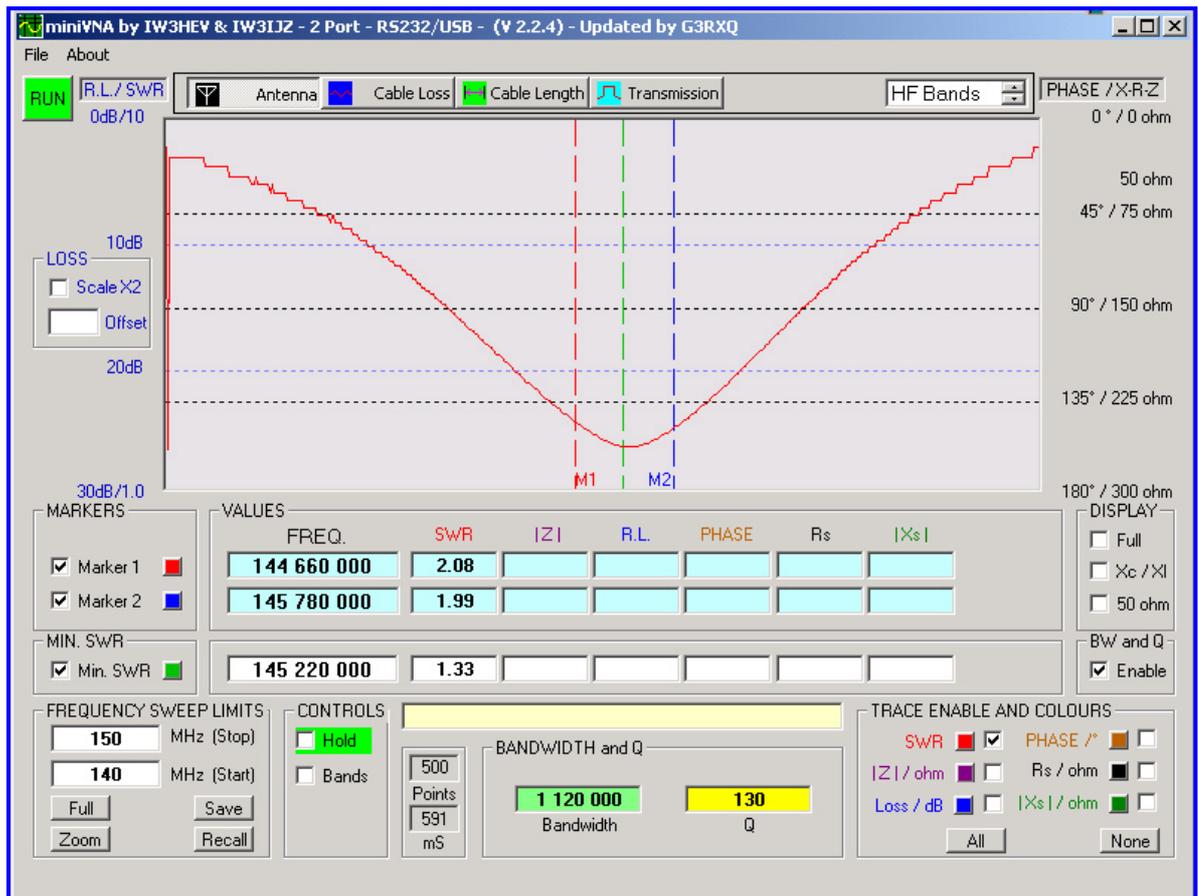


Fig. 5

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73! From Vlad (UA1ACO)