

**" Z I P P I R O "**

**the zipped antenna**

designed : september/2001

last update : 07 / nov/ 2003

**ultime notizie / last news**

Wrkd 5 continents by zippiro on 40 m.!=**PY2XB, Brasil 23/jun/02, rst 559 ,7 mhz ,cw,50w**

last Dx qso by new zippiro mk4 (samurai )

**A 61 AR, United Arab Emirates 17/mar/02,7 mhz,cw,40w**

**N2NT,N4AF(agn),VE1ZJ 17/mar/02,7mhz cw pwr 30w**

ultimo dx con la nuova zippiro mk4 (samurai )

**UA0 YAY,rare stn from zone 23 , 17/mar/02 7mhz cw,30w**

**VE3EJ,AA3B,N2TA, 17/mar/02,7mhz cw pwr 30w**

**JA1 CQR,Japan again,27/feb/02,2113z,rst 559,7 mhz,40w**

**JT1 BH ,Mongolia,12/02/02,2204z , rst 559,7mhz, 40 w**

**CT3 FN ,Madeira (Africa),31/01/2002 at 2206z, 7 mhz RST 559,pwr 30w**

**N4 AF ( N.C.- USA )27/01/2002 at 2244z,7 mhz, my RST 5-7-9 , pwr 30w**

**K4 VUD (Florida-USA) = 18/01/2002 , 0552gmt 7 mhz cw my rst 559. pwr 40 watt**

**4K5 CW, Azerbaijan,10/2/02 my rst 599,7mhz,pwr 30w**

**K8 IA ,(MI -USA) 31/01/2002,at 2228 z ,7 mhz , RST 5-7-9, pwr 30w**

msg rcvd via e-mail : " Hi Nino-Yes, the small antenna put very nice signals into the US. All the best, Ciao Howie-Howard Hoyt N4AF "

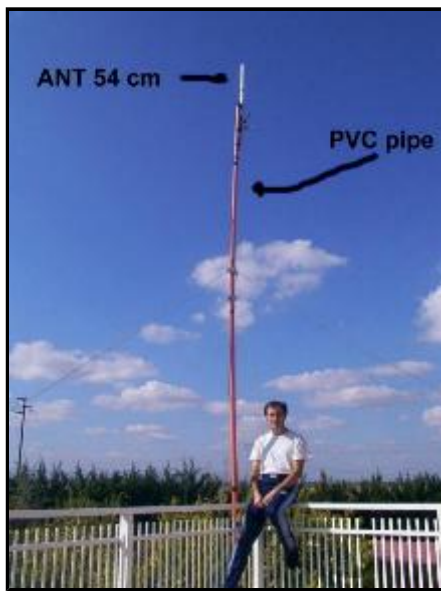
**EX8 F ,Kyrghizstan,11/dec/01 my rst 5-7/8-9,7mhz,cw**

1/gen/2002 ore 21.22z qso col Giappone in banda 40 m. = **JA9 IPF** con rapporti di 589 per entrambi ,Cw , potenza 30 watt .Con Syu ,nonostante le molte chiamate dall'Europa sono state condotte prove tra dipolo v invertita e EH versione "zippiro" .Syu riferiva segnali IDENTICI= 589 Il test è stato ripetuto dietro richiesta di Syu ,che ha confermato i rapporti.

**On jan/1th/2002 at 21.22z worked Japan :**

**JA9 IPF =589;589 frequency: 7 mhz,cw, pwr 30w.Antenna test :same signal as inverted V dipole as reported by Syu.Following Syu request the test has been repeated : same signal reports**



**zippiro mk2**

**Antenna eccezionalmente compatta ed ad alta efficienza. Angolo di radiazione incomparabilmente basso persino a basse altezze (  $\lambda / h$  ).**

**La " zippiro" è una versione leggera estremizzata per valutare la bontà della teoria implicata nella EH di W5QJR ( versione om IK5IIR)**

**Tutti i parametri sono stati fortemente variati ed estremizzati : dal rapporto lunghezza / diametro, alla capacità distribuita, alle bobine, allo stesso circuito di sfasamento ed accordo .E' anche cambiata l'alimentazione verso i cilindri ed è presente un simmetrizzatore**

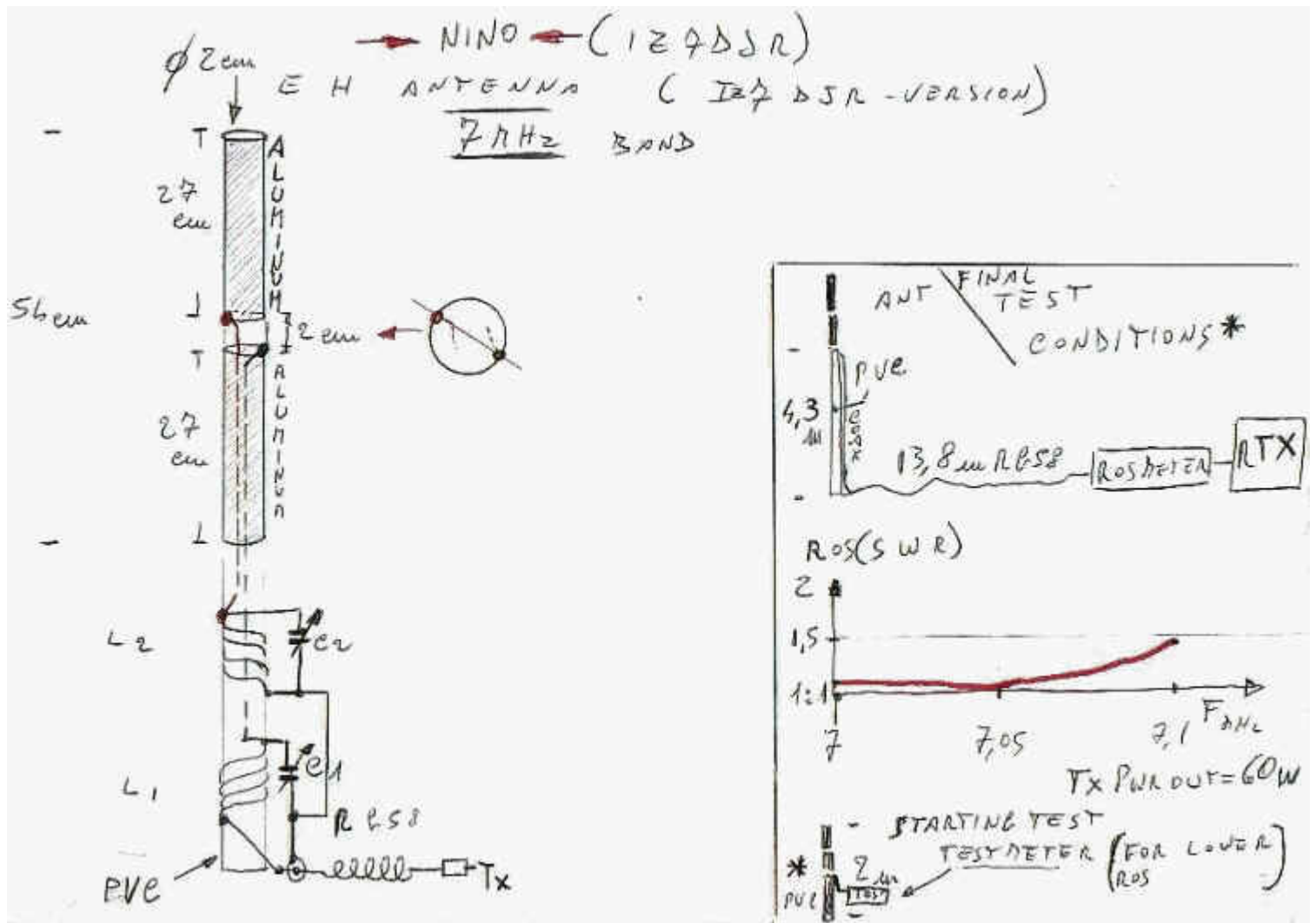
**Contattato 3 volte il Kirgizstan (Nord Afghanistan e confinante con la Cina )sui 7mhz (40,30,30W). Nell'ultimo qso è stato confrontato zippiro col dipolo a v invertita appena eretto : stessi segnali, ma qsb con la zippiro (come riferito da Val )**

**Very compact and high efficiency antenna ,very low radiation angle even at low height. Surprisingly good signal reports.**

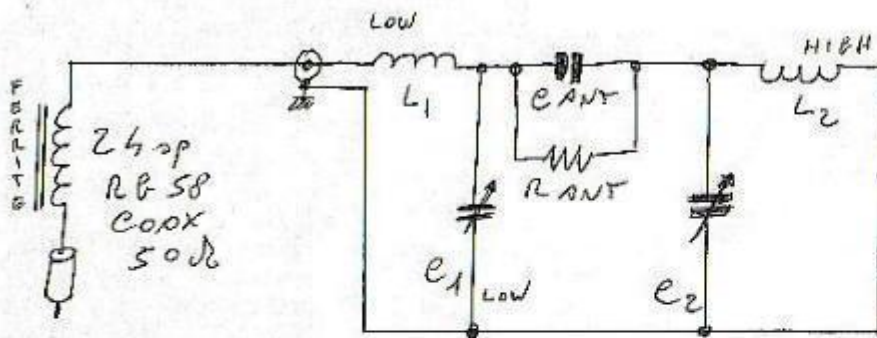
**"Zippiro" is a light-weight extreme version ,born for testing the effectiveness of theory involved in the EH antenna \_W5QJR\_( ham version : ik5 IIR )**

**All original parameters ( asserted "musts" ) have been changed and taken to extremes : e.g.cylinder lenght / diameter ,distributed capacitance,coils and matching/phasing network.Cylinders feeding is changed too and a line choke has been added.**

**worked 3 times Kirgizstan (north of Afghanistan and bordering on China ) on 7 mhz pwr (40,30,30 W ).During last qso an inverted V dipole was erected : zippiro and dipole = same signals.,but qsb on zippiro (as reported from Val )**



ZIPPIRO (EH ant iz7djr version)



BAND = 7 MHz

$$C_1 = C_2 = 100 \text{ pF}_{\text{MAX}}$$

$$L_1 = 40 \text{ sp } \phi 1 \text{ mm}; l \approx 45 \text{ mm}$$

diameter : 20 mm

$$L_2 = 40 + 1 \text{ sp } \phi 1 \text{ mm}; l \approx 45 \text{ mm}$$

N.B.  $L_1 - L_2 = \text{SENDO DI AVVOLGIMENTO OPPOSTO}$   $L_1 \curvearrowright, L_2 \curvearrowleft$

MISURE DI CAMPO

FIELD TESTS

altre info : [iz7djr](http://iz7djr) : more infos



E- mails received about zippiro



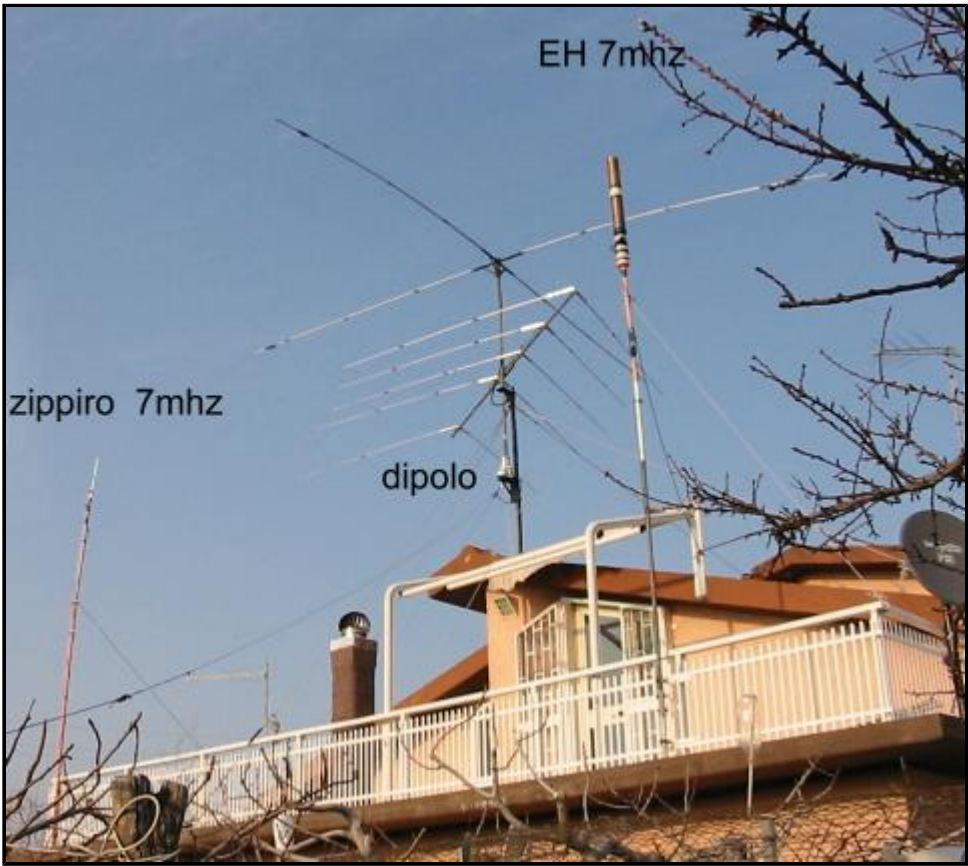
**Commenti ricevuti**

**Perchè le prove in 40m ?**



Why tests on 40 m band ?

**zippiro mk3**



**( 15 cm per i 15 metri " ZIPPIRO VORTEX " 15 cm for 15 meters )**

**NUOVA ANT : ZIPPIRO - SAMURAI**

**NEW ANT : ZIPPIRO - SAMURAI**

