

30m QRSS junkbox tx: Reports 2

Written by Hans Summers

Tuesday, 16 June 2009 06:33 - Last Updated Tuesday, 16 June 2009 22:57

On 02-Mar-05, 1800 UTC I added 2,200uF capacitances in parallel with each of the two 470uF period determining capacitors in the astable multivibrator pattern generator. This caused the cycle time to increase to about 25 seconds. The slower pattern is more suitable for DX listening.

{gallery}qrssjbreports2/mods{/gallery}

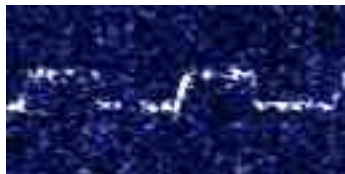
Above are some pictures of this small modification (click thumbnails for large images).

Left	I found a small tin of components nearby in the attic and grabbed it as raw material.
Middle	Here's what the beacon now looks like, after the mod.
Right	Closeup. The ugly just got even UGLIER.

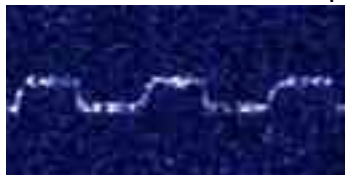
Below are the first reports screenshots. **Apologies: SOME screenshots have been lost during a website rewrite.**



03-Mar-06 08:00Z: First ZL4OL shot from Mike showing the new pattern.



03-Mar-06 09:00Z: Report from [VK6DZ](#) showing the new pattern.



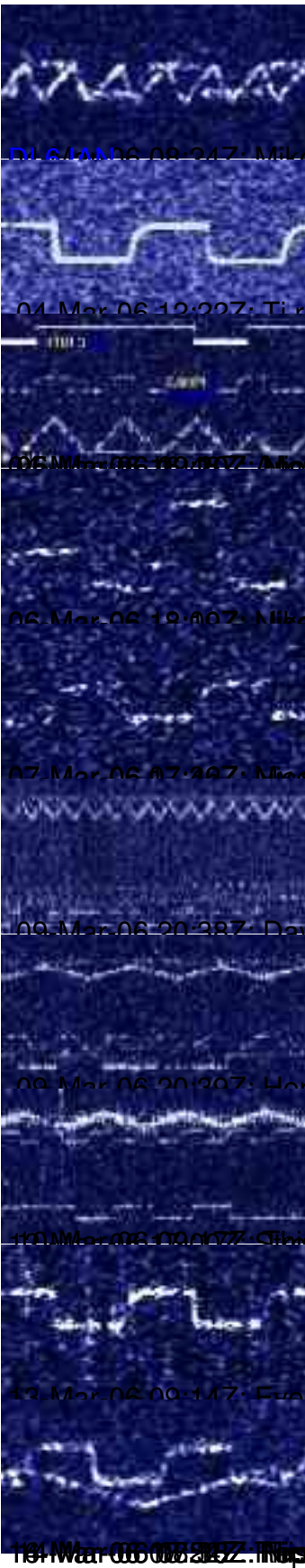
03-Mar-06 09:10Z: Mike ZL4OL
03-Mar-06 17:27Z: From DF5B

sent this one soon after David's, an interesting comparison in JN54AC. I had to look outside my window to convince

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01-Mar-06 00:24Z: Mike **ZL4OL**

copied five simultaneous [W3ABG](#): , G6AVK and I are a

04-Mar-06 12:22Z: Tim **A9BEA**

in JO29OG sent this very nice clear report from South V

06-Mar-06 12:02Z: Mike **I1DFS** only by Andrew in JO11OE showing I1DFS, G0UPL, and G3GKI.

06-Mar-06 12:02Z: Mike **I1DFS** copy again in Patric, dray by Andrew and adjusted the FSK pot, first to

07-Mar-06 07:22Z: Mike **I1DFS** since Shrovetide, as the long path (distance 25,500 km / 16,000 miles), a

09-Mar-06 20:22Z: David **W3ABG** : "As the temperature falls, 'W3ABG' at a rate of about 1/2 inch per hour, G

09-Mar-06 20:22Z: David **W3ABG** saved report from ABC program instead of Spectran (above).

10-Mar-06 00:07Z: Mike **I1DFS** to the end, just before **W3ABG** (just before distance 25,500 km / 16,000

12-Mar-06 00:14Z: Evan **W3ABG** showing G0UPL (reception) and G0UPL (David).

13-Mar-06 00:22Z: Mike **I1DFS** and Mike, as **W3ABG** (just before distance 25,500 km / 16,000

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29-Apr-06 12:02Z. First detection report from MMSX was about 0.005km. The receiver is my newly com

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DK5DA Reception report from Michael JO42BH.

DL6GAN Under the magnifying glass by Chris

3K1ZWW Reception report from Paul N35TC using IC728 and balcony antenna, with "open

ON6BP Reception report from Staff. Difficult at the short distance between UK and Belgium

[Stefan Woff](#) Reception report from O52HP.

[W6SQT](#) Reception report from N65VP, using FT857 with TCXO and 300Hz filter, CB ground

IZ2FEO Reception report from Matteo

SM6LKM Reception report from Johan Sweden - Johan reports: "G0UPL has been clearly a

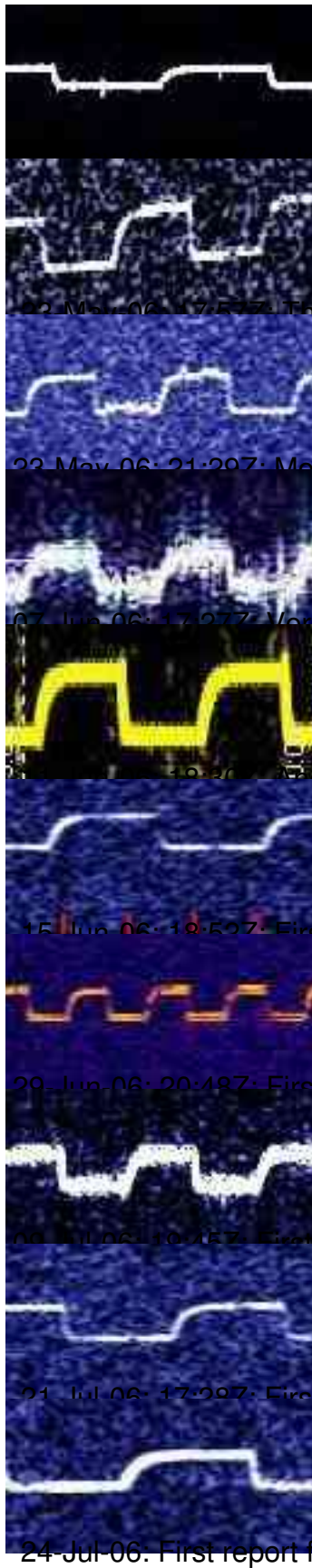
MA4YF Much too close for 30m! This was my very first reception report permitted De

22-May-06: 13:47Z: Under propagation condx allowed very strong reception in Belgium, this from Pie

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ON6RR Propagation condx allowed very strong reception in Belgium, this from Sta

G6AUK coincidentally the closest station yet to copy my transmission, a mere 66km

G4KKI ge condx! This time I did my signal in Manchester, UK! IO83TM. Bill uses

ON5SL reception by Pierre JO10TT.

G6GKI Strong reception report worthy of note from a local station, this is from Vic

IN6KLO from Giuliano in JN56RG.

G7IZU from Andy Smith (IO70WK).

ZF0KNU from John Knott in Wells, Somerset. Rx: IC756pro3.

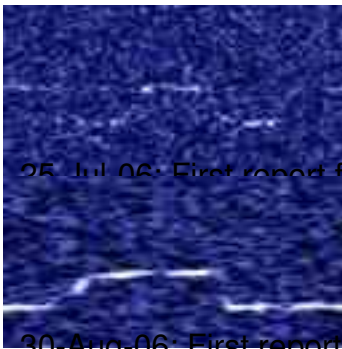
IZ8GFO from Quirino Tirelli Benevento, 70km from Naples, Italy (JN71JD). Rx: IC

ZF1AD from Alberto Castore, Italy (JN45SL).

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25-Jul-06: First report from [Tom PA1NO](#) (son of

N3TFM

in Kalamazoo,

30-Aug-06: First report from **AA1XX** Paul Stroud

nr Raleigh, NC, using Argonaut V and an 80m dipole and