

Re: Addendum to "Schematics for building a broad band frequency jammer"

Plow" -->

Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2004-09/0777.html>

From: Meat-->Plow (*Meat_at_petitmorte.net*)

Date: 09/19/04

Date: Sun, 19 Sep 2004 07:24:58 -0400

On Sun, 19 Sep 2004 00:59:54 -0400, Me

<no-address_for_spammers@no-address.com>, wrote:

>On Sat, 18 Sep 2004 23:19:22 -0400, "Meat-->Plow"

><Meat@petitmorte.net> wrote:

>

>>On Sat, 18 Sep 2004 23:07:07 -0400, Me

>><no-address_for_spammers@no-address.com>, wrote:

>>

>>>On Sat, 18 Sep 2004 22:50:31 -0400, "Meat-->Plow"

>>><Meat@petitmorte.net> wrote:

>>>

>>>>On Sat, 18 Sep 2004 22:18:06 -0400, Me

>>>><no-address_for_spammers@no-address.com>, wrote:

>>>>

>>>>>On Sat, 18 Sep 2004 21:29:26 -0400, "Meat-->Plow"

>>>>><Meat@petitmorte.net> wrote:

>>>>>

>>>>>>On Sat, 18 Sep 2004 21:18:04 -0400, Me

>>>>>><no-address_for_spammers@no-address.com>, wrote:

>>>>>>

>>>>>>>On Sun, 19 Sep 2004 00:23:04 GMT, *dward7@earthlink.net* (*don ward*)

>>>>>>>wrote:

>>>>>>>

>>>>>>>> *If you need schematics for a simple FM transmitter that's*

>>>>>>>> *very easy to build, yet very effective I can help you there. I've*

>>>>>>>> *built and used several on this design. In fact, there's a drag strip*

>>>>>>>> *in GA using a transmitter I built off of this schematic using it to*

>>>>>>>> *transmit race stats so people can listen in their cars and with head*

>>>>>>>> *sets so they can hear over the loud car exhaust. Also got the board*

>>>>>>>> *foil design and component layout making it super simple to build if*

>>>>>>>> *you want to go the professional route.*

>>>>>>>>

>>>>>>>>> *How or where do i obtain the schematic and cb layout ??*

>>>>>>>>> *dnw*

>>>>>>>>> *dnelsonone@yahoo.com*

>>>>>>
>>>>>>
>>>>>>>Let me run to my office (where it happens to be), grab it and scan it
>>>>>>>then I'll stick it on one of my web servers and post a URL.
>>>>>>
>>>>>>
>>>>>>>What's the power input to the final and what final amp ?
>>>>>>
>>>>>>>9 vdc keeps it legal, but it'll take considerably more.
>>>>>>>As far as the final... ugh... IIRC the final was a 2N3096, but I'm not
>>>>>>>sure now. It's been quite a few years since I did anything with that
>>>>>>>print. Will post when I've got it up.
>>>>>>
>>>>>>>Hmm that 2N3096 is just a little what, 500 mw max ?
>>>>>>
>>>>>>>IIRC what I had had a single stud mounted MRF 315. 4 watts
>>>>>>>input, 40 something out on a 28 volt Vcc.
>>>>>>
>>>>>>>Don't recall now. Was thinking the 2N3906 would handle 1.5 W, but my
>>>>>>>books are at the office... and that may not have been the final
>>>>>>>anyway. I just don't remember. I do recall that heat dissipation, not
>>>>>>>max VCEO was the limiting factor on the power output and hence input
>>>>>>>voltage. Will post when I have it.
>>>>>>
>>>>>>>The nice thing about this little gadget is that it can be built on a
>>>>>>>board the same size as the 9v battery driving it making for a very
>>>>>>>compact unit and it'll still make a mile with a decent antenna.
>>>>>>>Actually, I've got plans for much smaller transmitters designed for
>>>>>>>use as "bugs" that aren't much larger than the 2032 button cells that
>>>>>>>drive them although the range is considerably less. I've never
>>>>>>>bothered to assemble one though. This sort of thing would be just an
>>>>>>>experimental toy to me as I have no real use for such.
>>>>>>
>>>>>>>I've seen those things in -kit- form. Some with stereo
>>>>>>>output. 9 volts keeps the power under the legal limit but
>>>>>>>crank it up to 15 and it doubles. I set up one for a guy who
>>>>>>>had a drive-in restaurant. He had a 50's theme and wanted to
>>>>>>>broadcast 50's music for the drive in customers. Worked
>>>>>>>pretty decent once I found a spot that had no other local
>>>>>>>stations.
>>>>>>
>>>>>>>Ya, exactly the same thing I did for the drag strip. This wasn't a kit
>>>>>>>though. I don't recall who did the circuit design or where I got it
>>>>>>>from but it was just a schematic and description. I did the board foil
>>>>>>>design for it on a computer several years ago and built a few.

Last board I did was a little deal that sensed which of two assembly lines were down and then paged the right group of Millwrights to come fix it. It was just something to sense motion or the lack of it, then drive a two channel paging radio and some Motorola Page Boy pagers. Oh and I

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re-crystaled the pagers to match the channels on the radio.
As far as I know that system is still being used today. I
deployed it over 10 years ago.

Before that I built a DTMF generator box to phreak phones
with. Copied it from a real working Black Box. Ripped off
everything I needed from Radio Shack. Board, etch pen, acid,
741 op amps, everything even the case and touch tone pad.
I ended up destroying it when my Greek buddy got popped by
the FBI. While he had the original black box, he taped his
girlfriend's back in Greece phone number on a reel to reel
tape recorder. Then to call her, he would just hold the
phone up to the speaker. Couldn't use a little portable
recorder, too much wow and flutter to reproduce a steady
enough pair of tones. The FBI never knew about what I had
built, just the tape.