Subject: MW Radio 1st stage

From: G8MNY@GB7CIP.#32.GBR.EU
To: TECH@WW

Here are 2 designs:-

By G8MNY (New Graphics Dec 03)

Example of multiple use of a single transistor in a MW radio that does:-
1/ RF PREAMP WITH Q MULTIPLIER
2/ RF LOCAL OSC
3/ RF MIXER

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ADJUSTMENTS

The position of winding L1 on the ferrite adjusts the LF resonance tracking.
The trimmer on C1 tuning cap adjusts the HF resonance tracking.
The position of feedback winding, adjusts RF Q & gain before instability.
The position of L1 core adjusts the LF dial frequency tracking.
The trimmer on C2 tuning cap adjusts the HF dial frequency tracking.
The position of T1 core adjusts the IF filter frequency, for best IF gain.

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From: ON4CBL@ON0AR.#RF.AN.BEL.EU

Hello OM, here is a plan with 1 Tr rf det. + lf,, 2 Tr following for LS!

1/ RF PREAMP WITH Q MULTIPLIER + 1x LF

LF<----|----> -9volt
Stages /
/ 270

T1 ! /------| 4.7K (anti-motorB)
! /------| 500pF
! /------| Cv / 10
! /------| mH

OA81-85

F ! | 0.1µ \ / | !
| \------|-----|------|------|
| \------|-----|

R ! --- 680 K / |
I !A | / c |

T ! --------------|---| AF116 |----|-----|
E ! \ | Over! | \ e | !
| / | | 1nF / 47K log

R ! \ | T2 | ---- | P /----------

O ! / | --- | --- / LF out

D ! \ | 0.047µ |
D ! ---|------|------|------|------|------|------|------|
B

0.53-1.6MHz

A/B changing for adjusting receiving.
T1 40 wdgs cul 0.2
T2 12 wdgs cul 0.2

73 De Eric, ON4CBL @ ON0AR

Why don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP

/EX