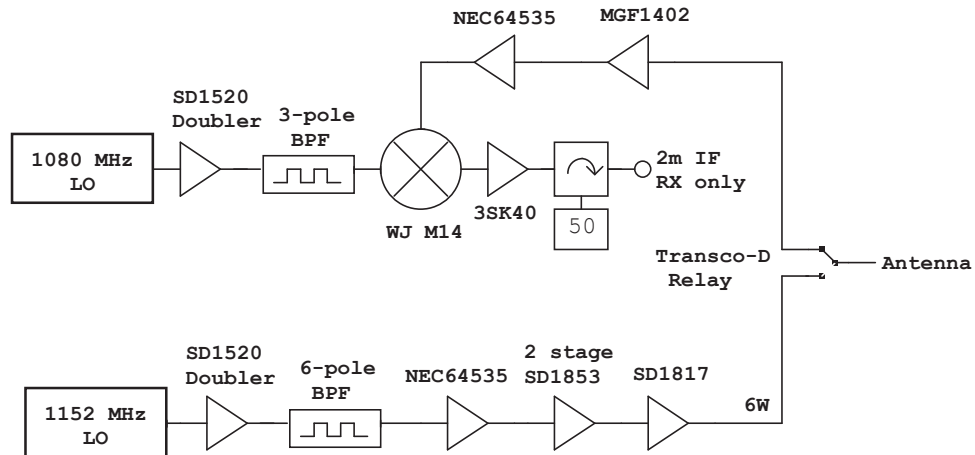
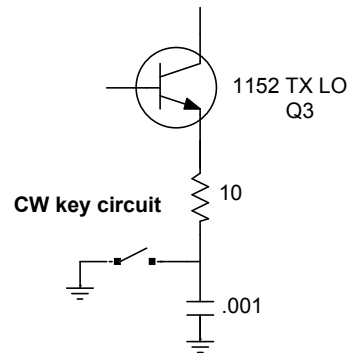


2304 MHz CW Transceiver WA3JUF 1984



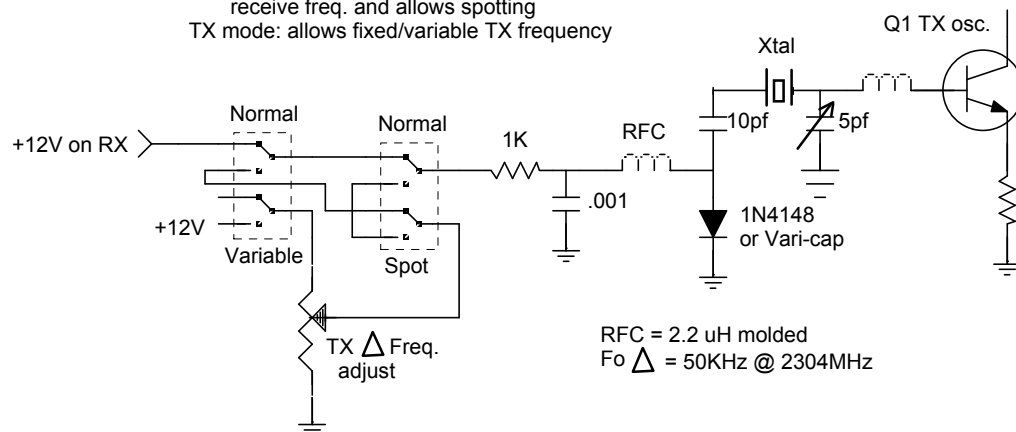
- CW is used most of the time anyway.
- Sufficient frequency tuning is available from the TCXO to skirt any birdies.
- The high level X2 2304-MHz output is easier to amplify to a descent output than a mixer output.

2304-MHz CW Transmit/Receive Unit **TX LO keying and freq. shift WA3JUF 1985**



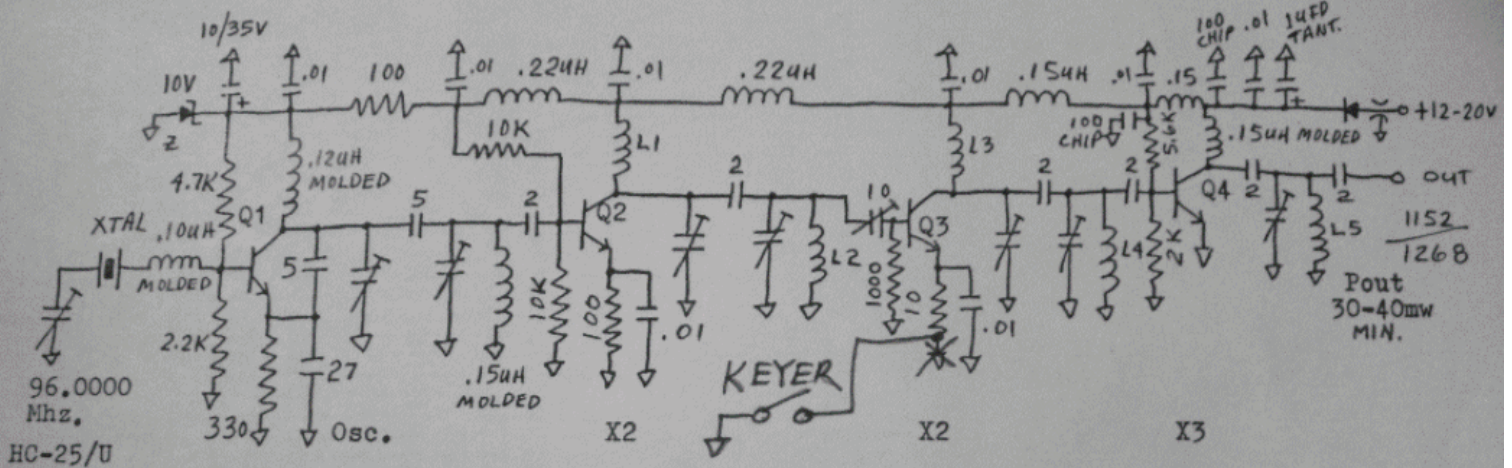
Frequency shift

RX mode: moves transmit oscillator off the receive freq. and allows spotting
 TX mode: allows fixed/variable TX frequency



RFC = 2.2 uH molded
 $F_o \Delta = 50\text{KHz @ } 2304\text{MHz}$

1152/1268 Mhz. Local Oscillator



Q1= 2N918, 2N5179
Q2= 2N5109, SD1006, SD1040
Q3= 2N3866, SD1020
Q4= SD1598

L1= 5t #22 1/8" ID
L2= 5t #22 1/8" ID
L3= 3t #22 1/8" ID (2t for 1268)
L4= 3t #22 1/8" ID (2t for 1268)
L5= 0.4 X 0.15" Brass strip
tapped close to trimmer
for max. Pout

Trimmers are 10pf Johanson (5401)
10Pf Ceramic trimmers useable.

L5 trimmer is 0.6-6pf Piston

REV C 1984
D. MASCARO
WA3JUF

