

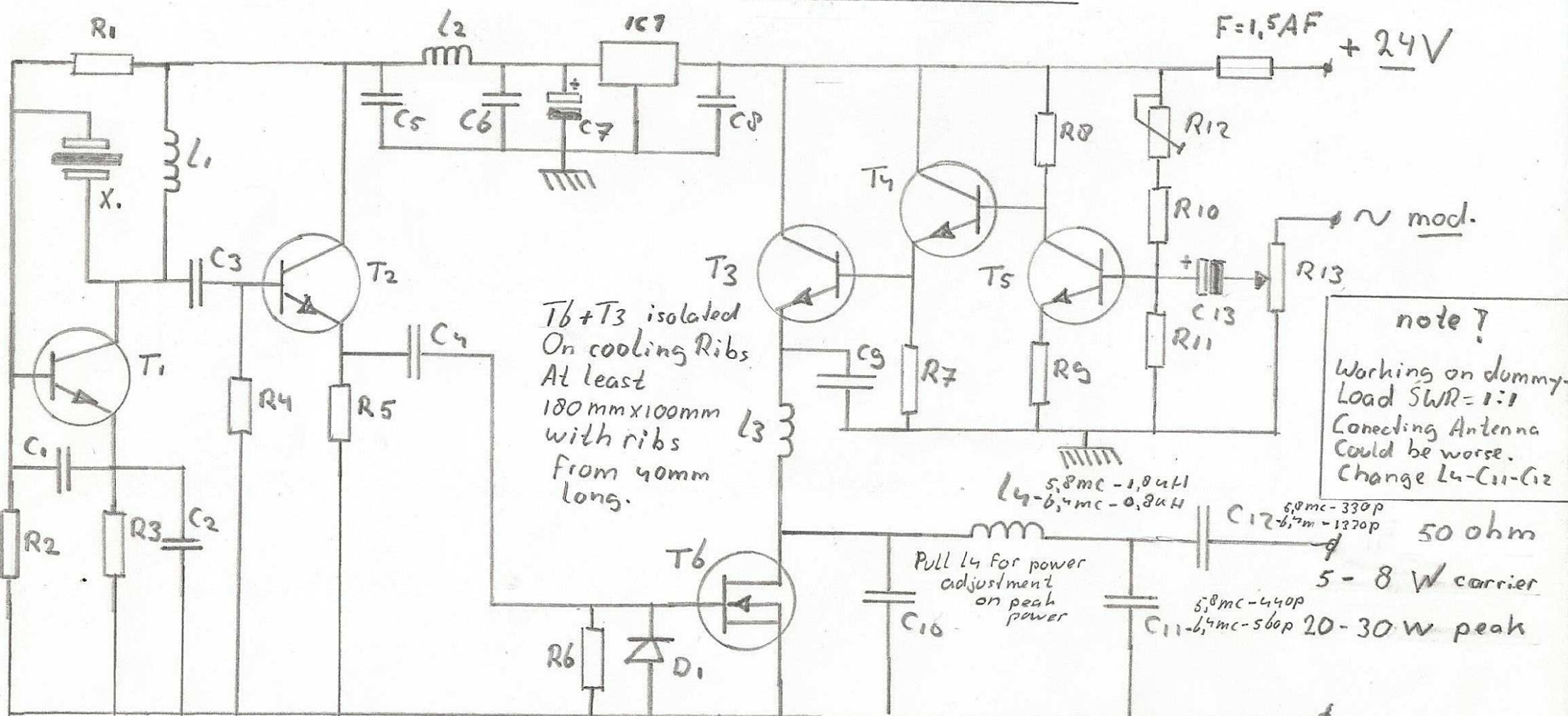
QRP - AM Transmitter

tested

Operator: Frank

Free Radio Victoria

3.5 ... 8 MHz + series modulator



note?
Working on dummy-Load SWR=1:1
Connecting Antenna
Could be worse.
Change L4-C11-C12

Pull L4 for power adjustment on peak power

50 ohm
5-8 W carrier
20-30 W peak

- | | | | | | | |
|-----------|------------|--------------|------------------|----------------|--------------|--|
| R1 = 15k | R8 = 1k | C1 = 330p | C8 = 100n | L1 = 7mH | T1 = BF199 | X = 3.5 ... 8 MHz |
| R2 = 2k2 | R9 = 100Ω | C2 = 10N | C9 = 100N | L2 = 7mH | T2 = 2N2219A | L3 = minimum 2A |
| R3 = 82Ω | R10 = 220Ω | C3 = 330p | C10 = 470p | L3 = 7mH | T3 = BUX84 | C11-C12-L4 = experimental depending on Frequency.. |
| R4 = 1k2 | R11 = 1k | C4 = 10N | C11 = 440p-560p | L4 = 0.7-1.6uH | T4 = BD139 | L4 = ∅ wire = 1mm ∅ coil = 18mm (Form 5/8") |
| R5 = 100Ω | R12 = 47k | C5 = 100N | C12 = 330p-1330p | | T5 = BC548 | 1.8uH = 11 wdg's L = 14mm |
| R6 = 1k | R13 = 47k | C6 = 100N | C13 = 14F/16V | | T6 = IRF510 | 1.3uH = 9 wdg's L = 12mm |
| R7 = 1k5 | | C7 = 14F/16V | | | D1 = 1N4148 | 0.8uH = 6 wdg's L = 7mm |