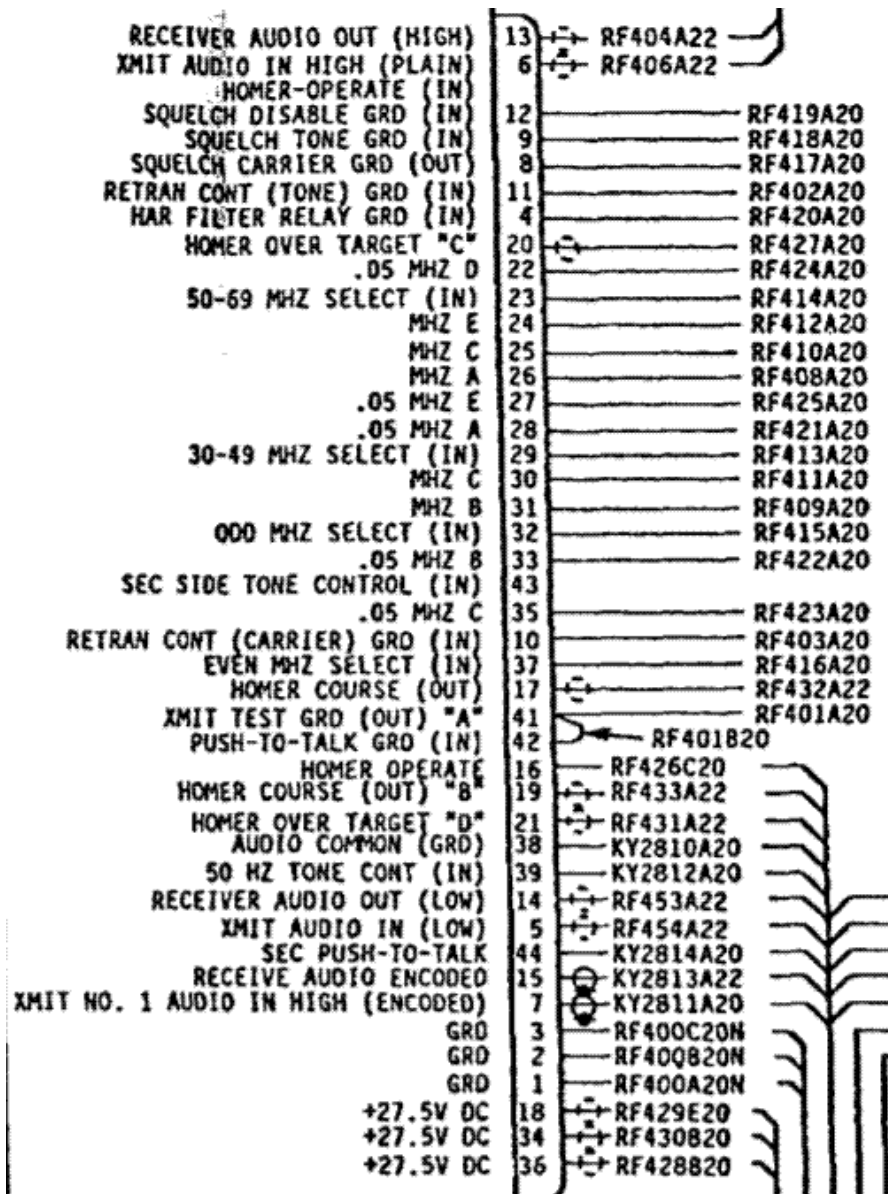
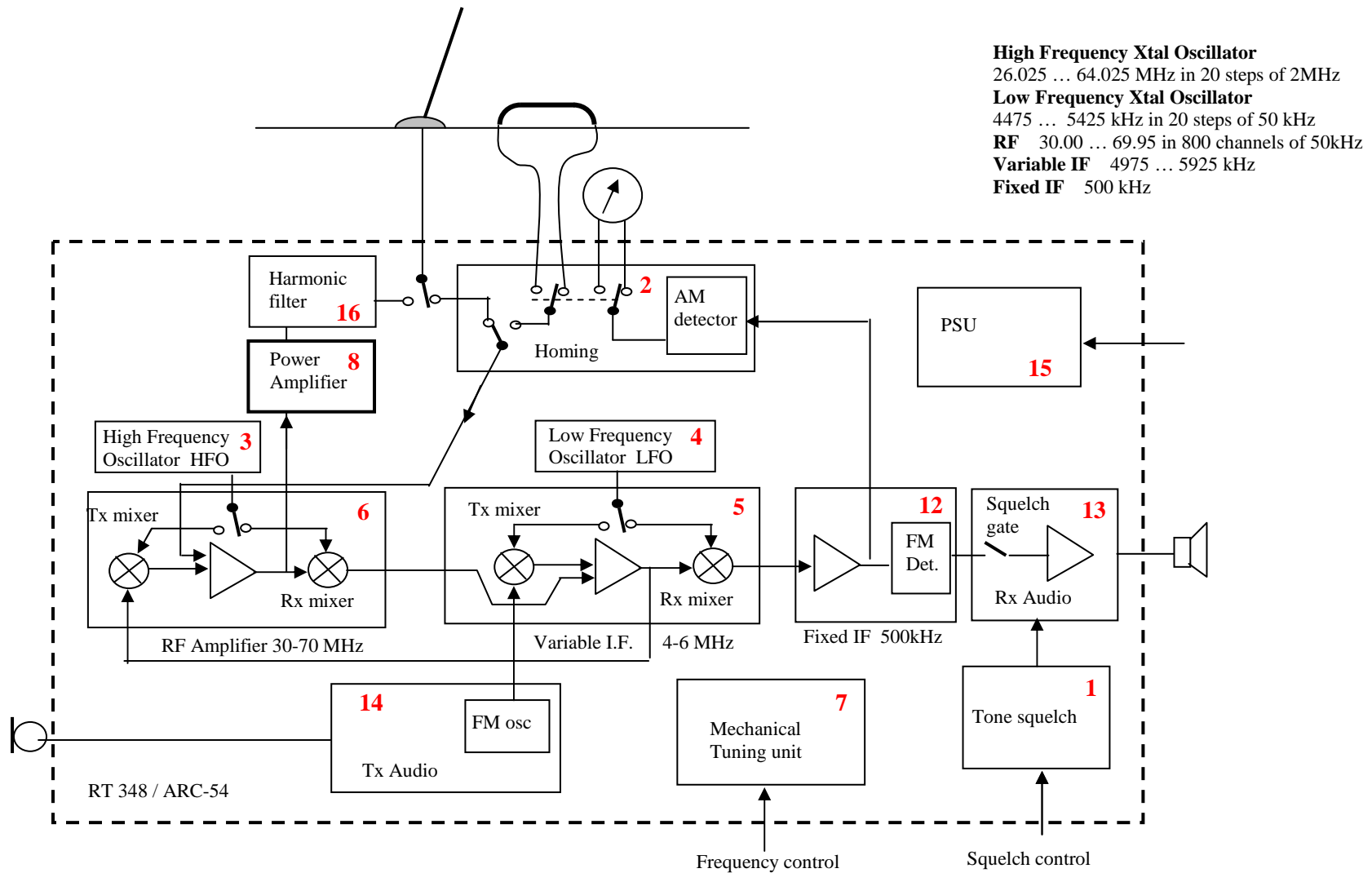


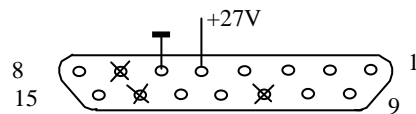
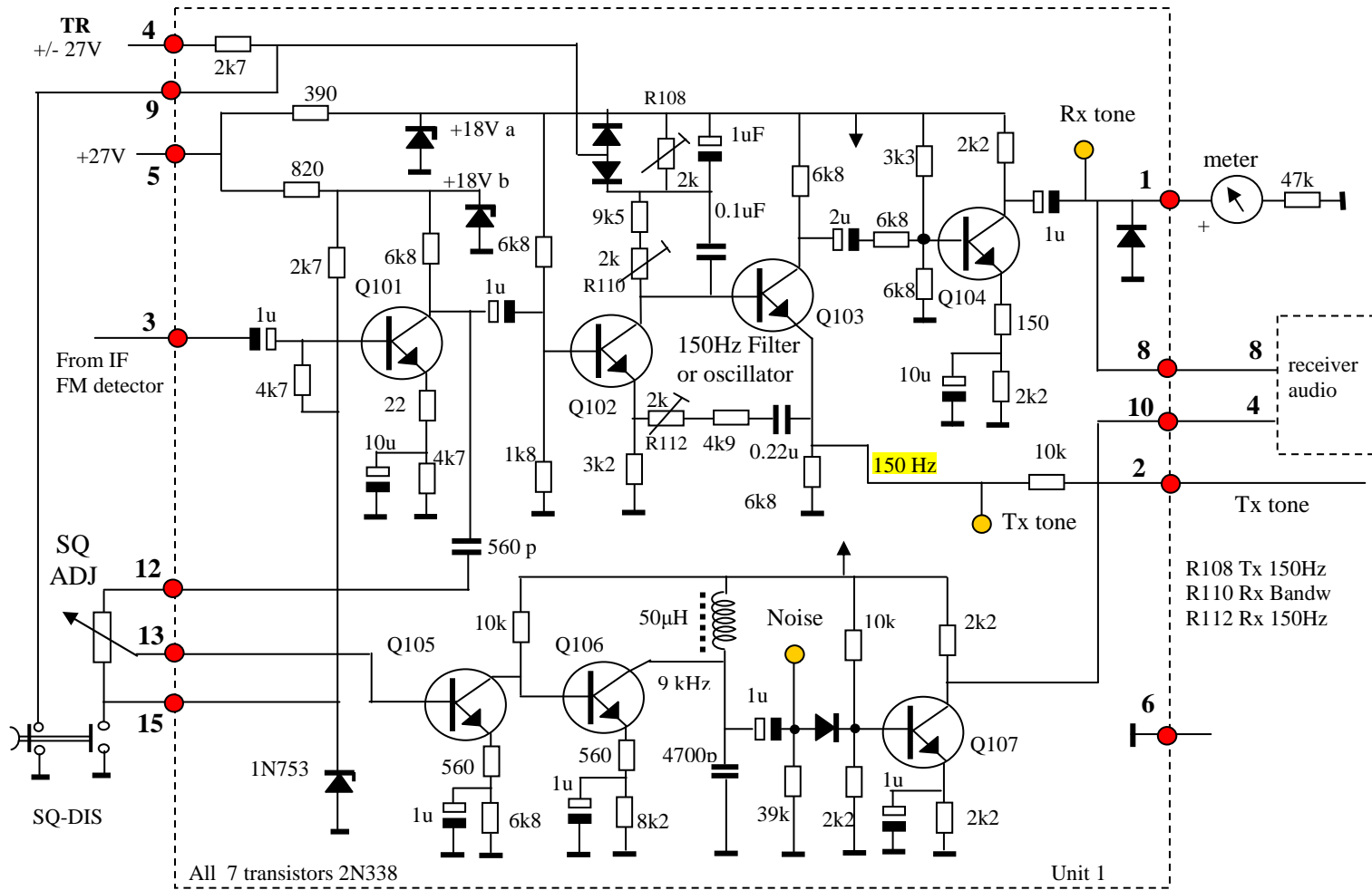
The AN/ARC-54

Module Circuit Diagrams



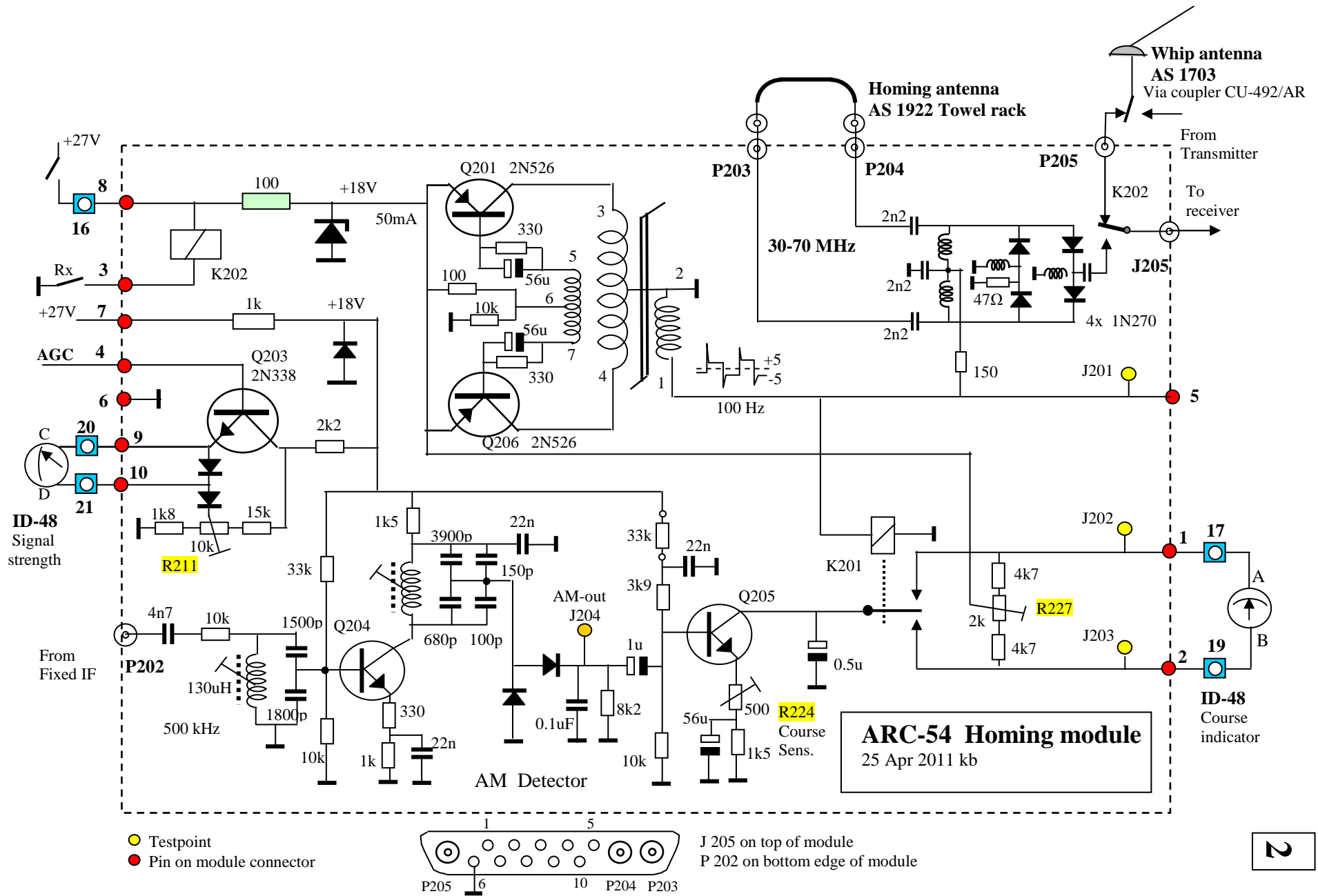
1. Tone squelch (selective call)
2. Homing
3. High Frequency oscillator HFO
4. Low Frequency Oscillator LFO
5. Variable IF amplifier
6. RF Amplifier
7. Mechanical Tuning Unit
8. Power Amplifier
9. RF subframe
10. Main chassis
- 11
- 12 Fixed IF
- 13 Receiver Audio
14. Transmitter Audio
- 15 Power Supply Unit
16. Harmonic Filter

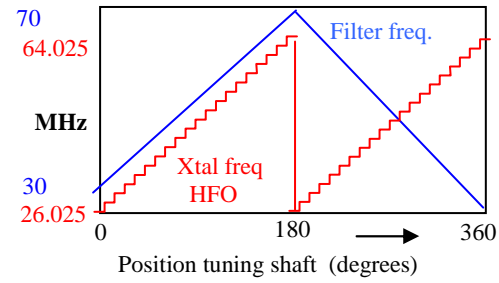
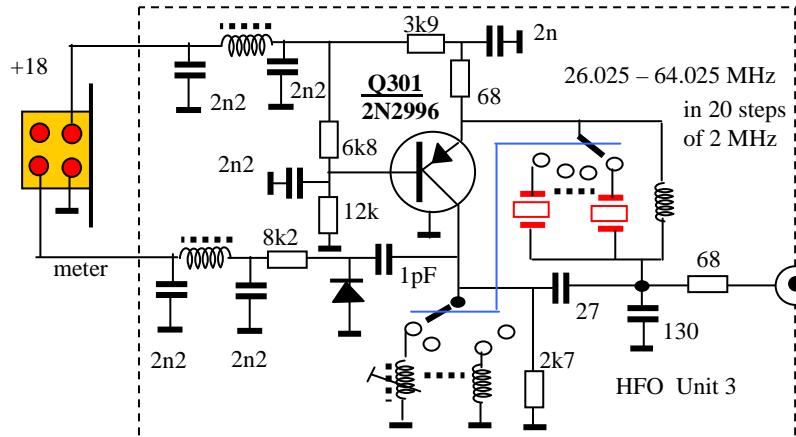




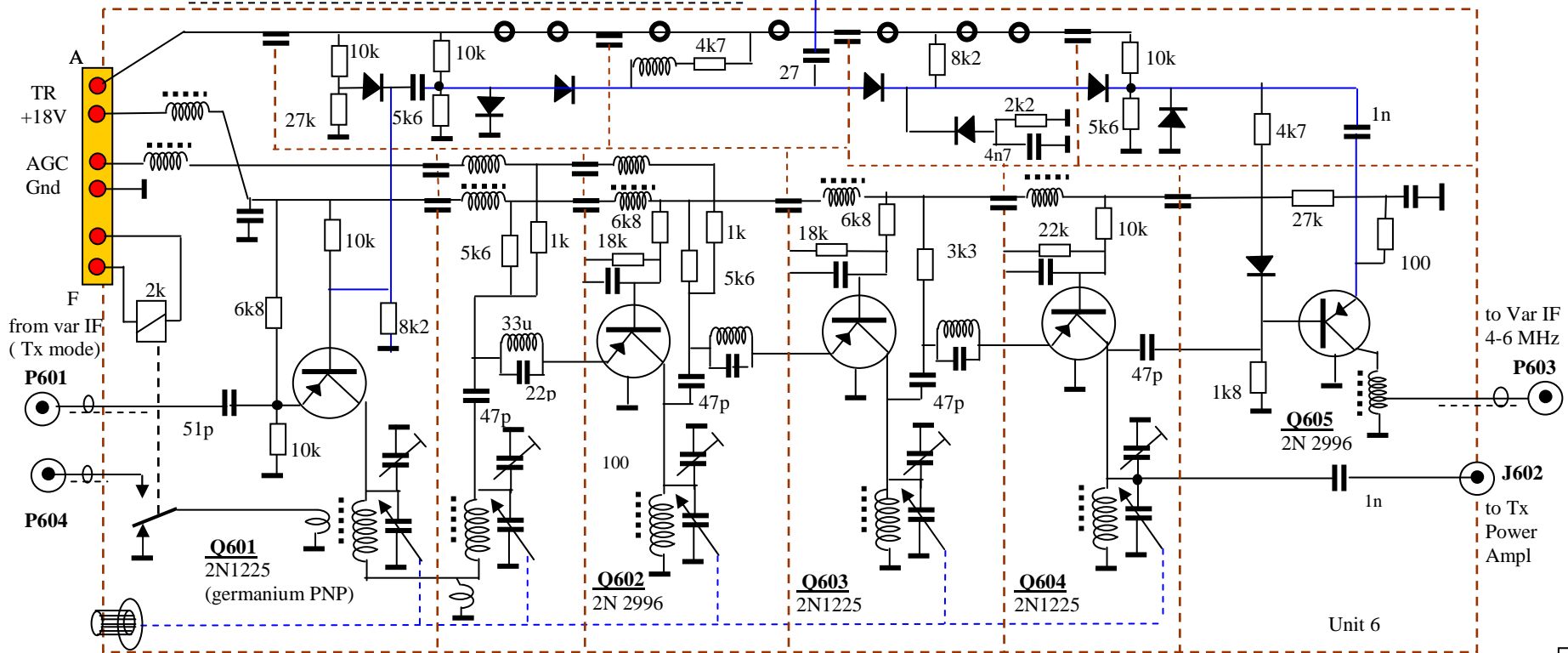
TONE/NOISE SQUELCH
26 April 2011 kb



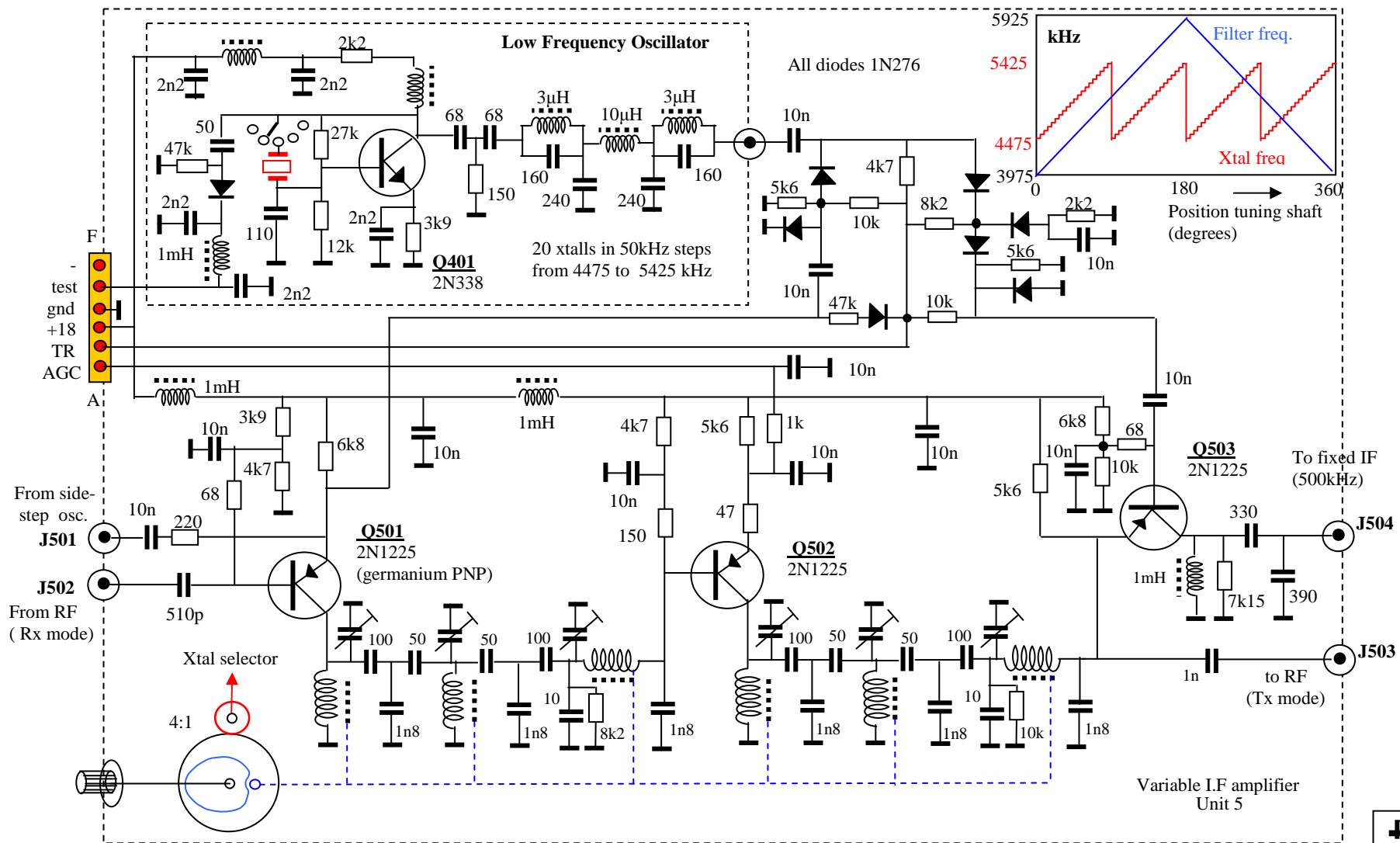




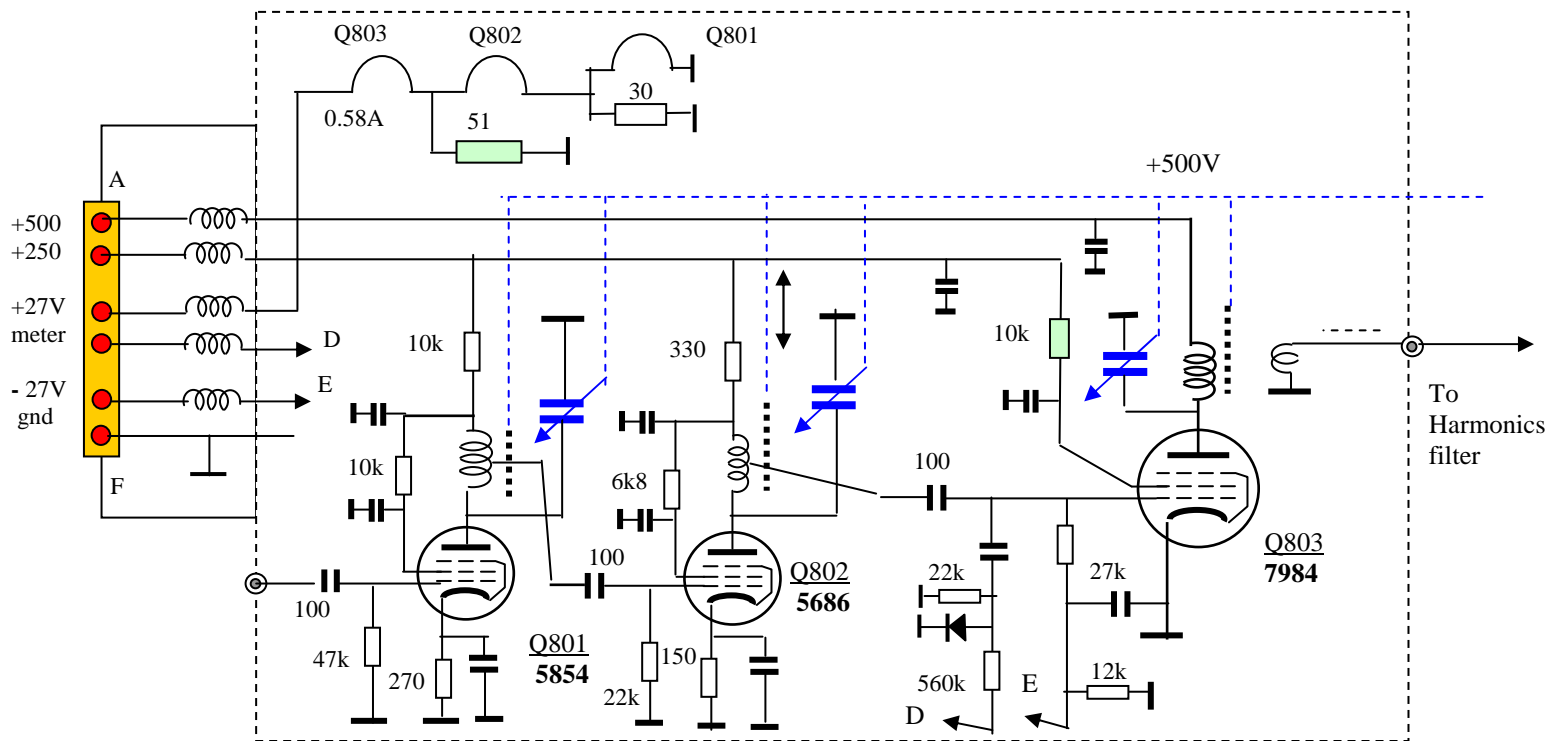
All diodes 1N276 Gold bonded germanium



ARC-54 RF Amplifier and High Frequency Oscillator
18 march 2011 kb



ARC-54 Var I.F. and Low Frequency Oscillator
2 march 2011 kb

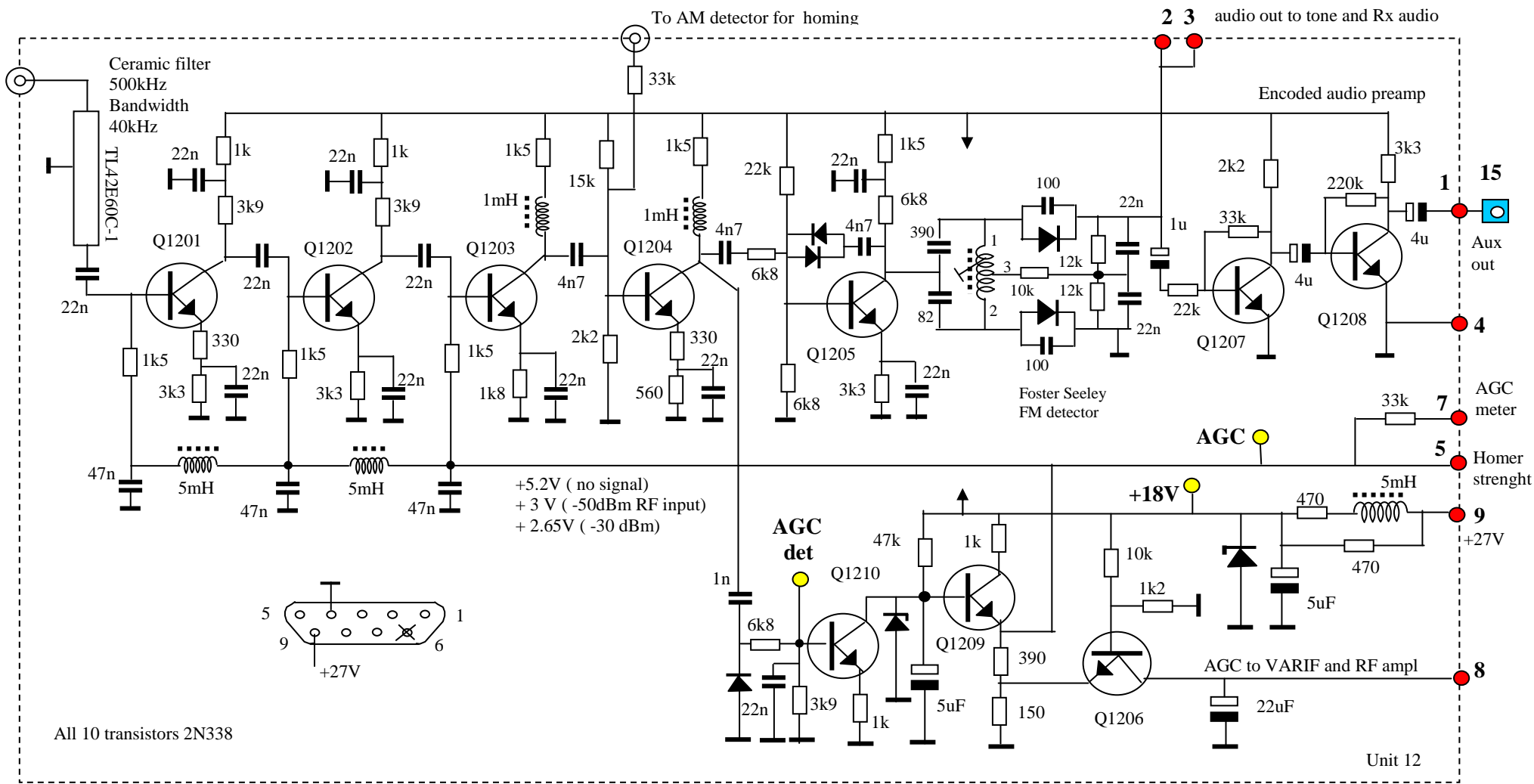


Tube heaters

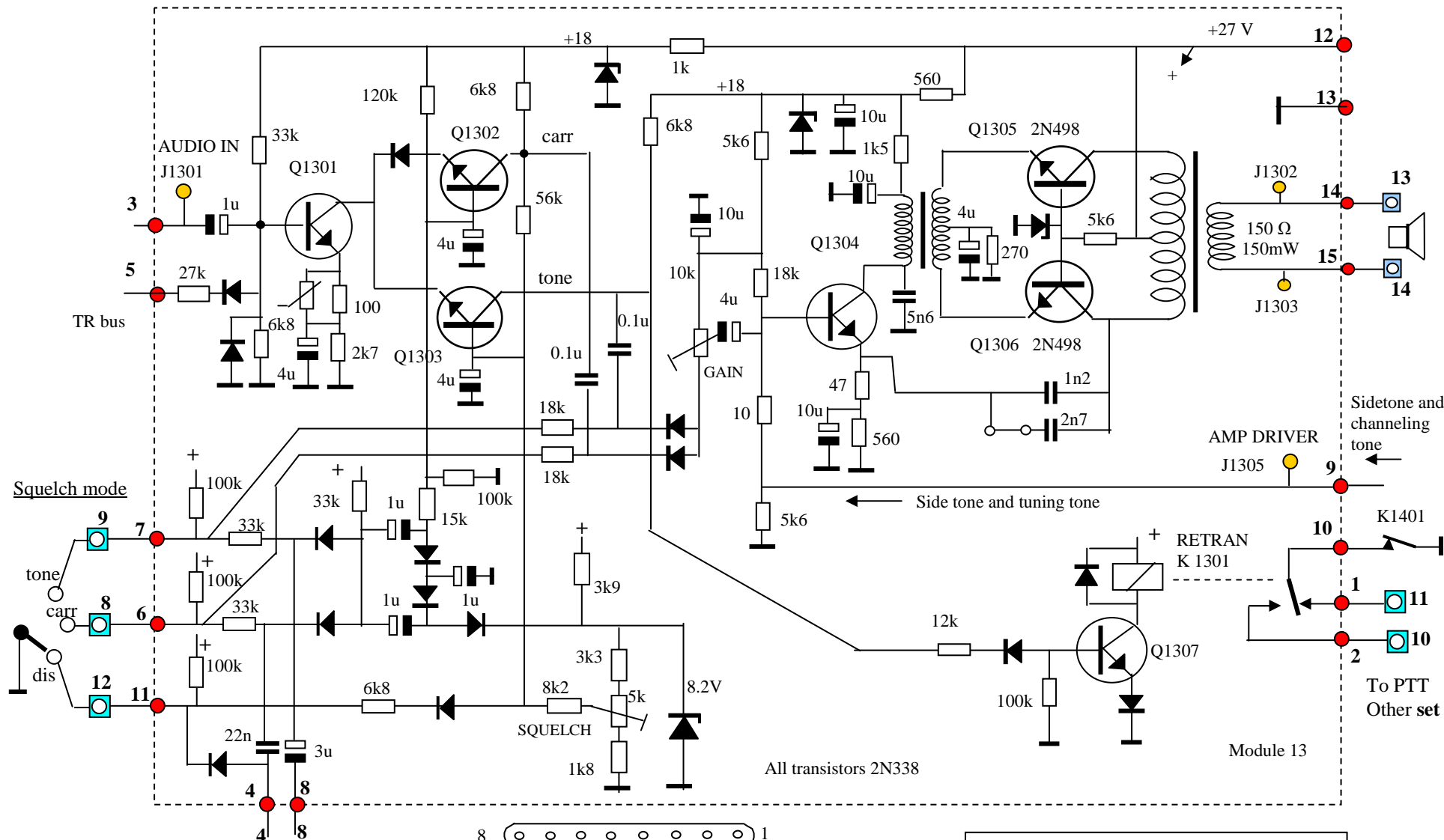
5854	6.3V	0.175A
5686	6.3V	0.35 A
7984	13.5V	0.58A

ARC-54 RF Power Amplifier

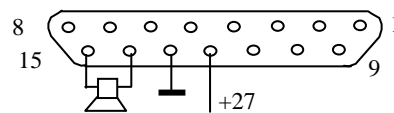
8/3/2011 kb



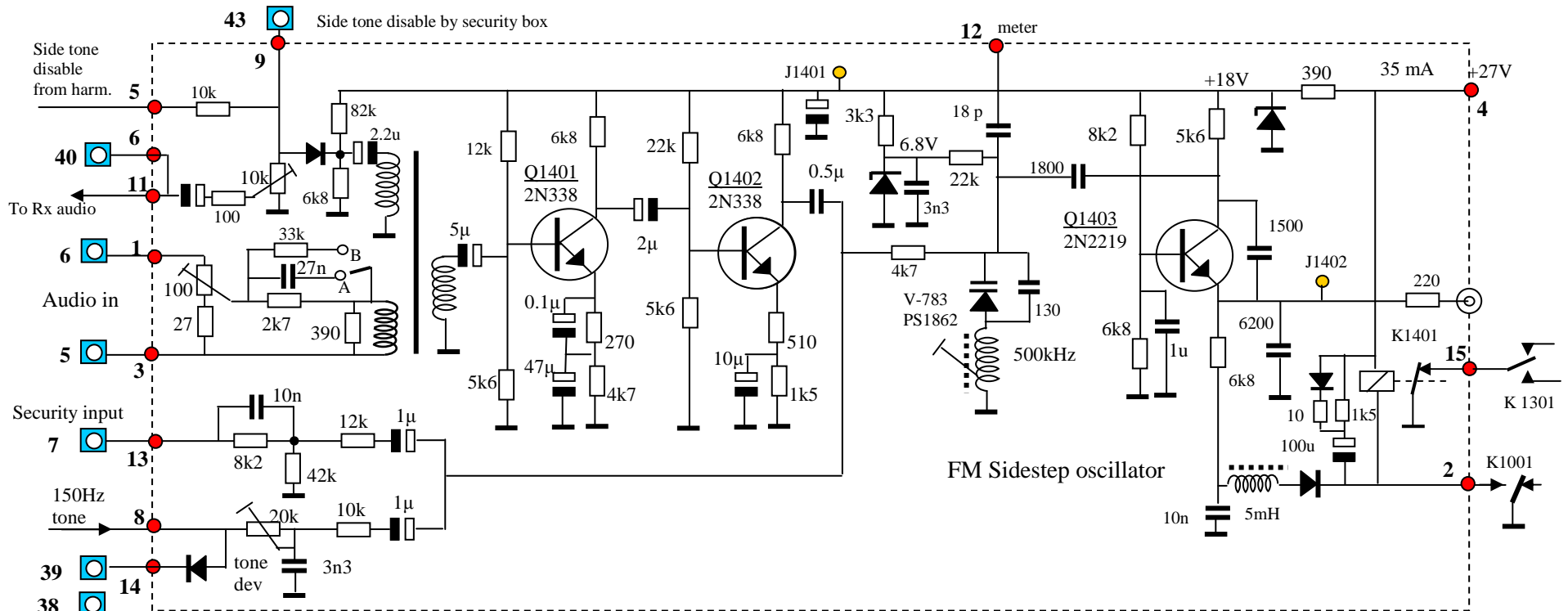
ARC-54 Fixed IF module
26 feb 2011 kb



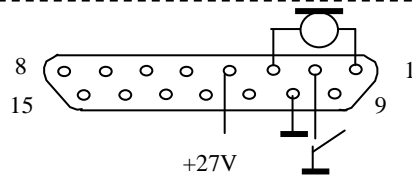
- Main ARC54 connector
- Module connector
- Module testpoint



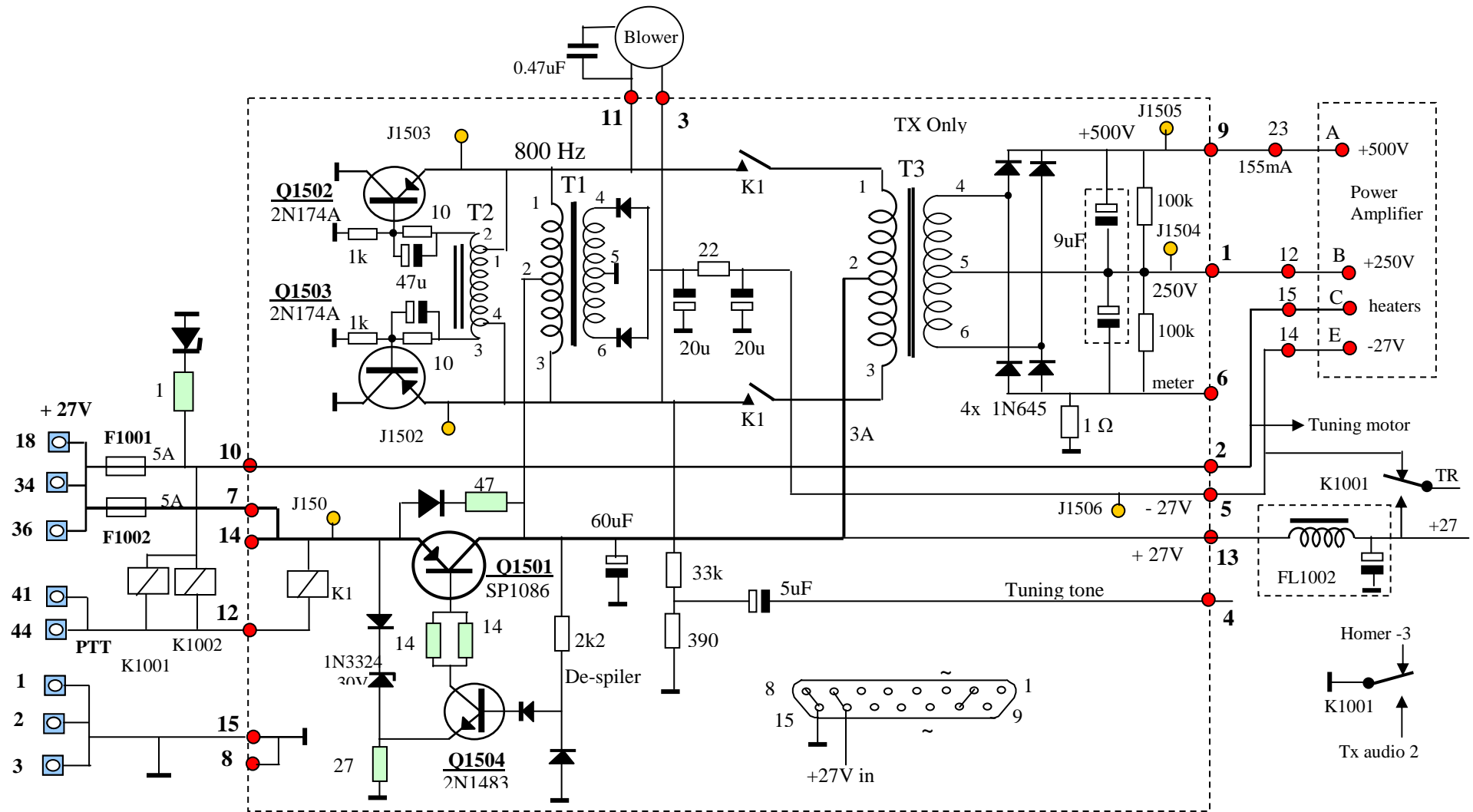
ARC-54 Receiver Audio
28 March 2011 kb



PRE-EMP A 75µs
NORMAL B

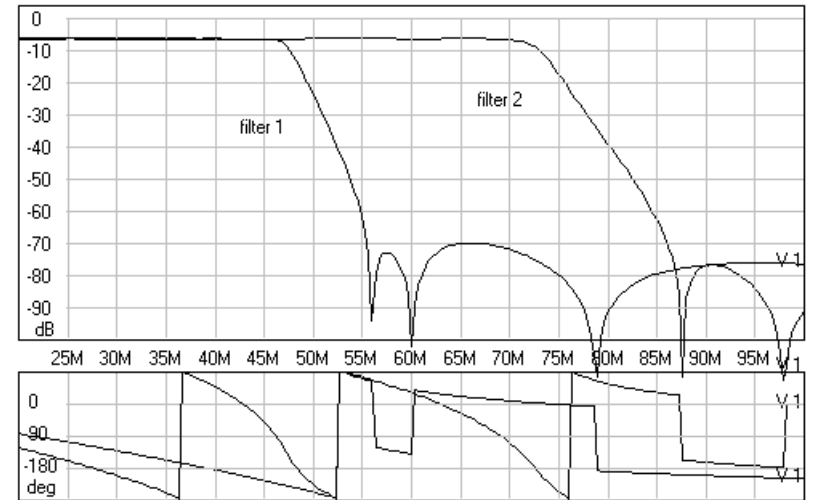
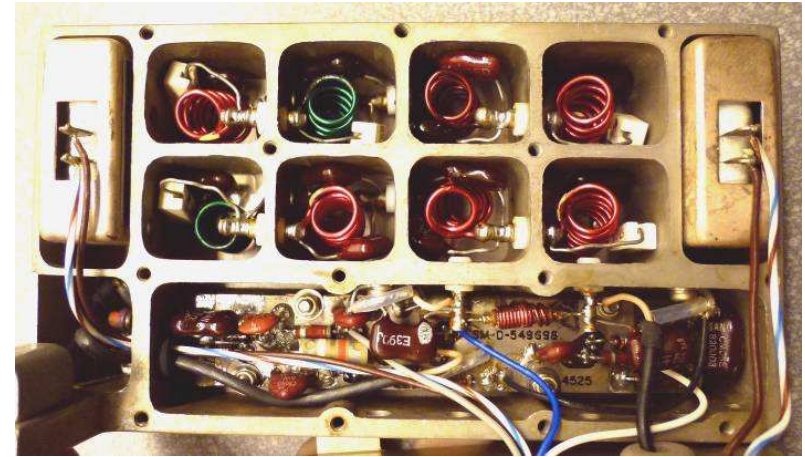
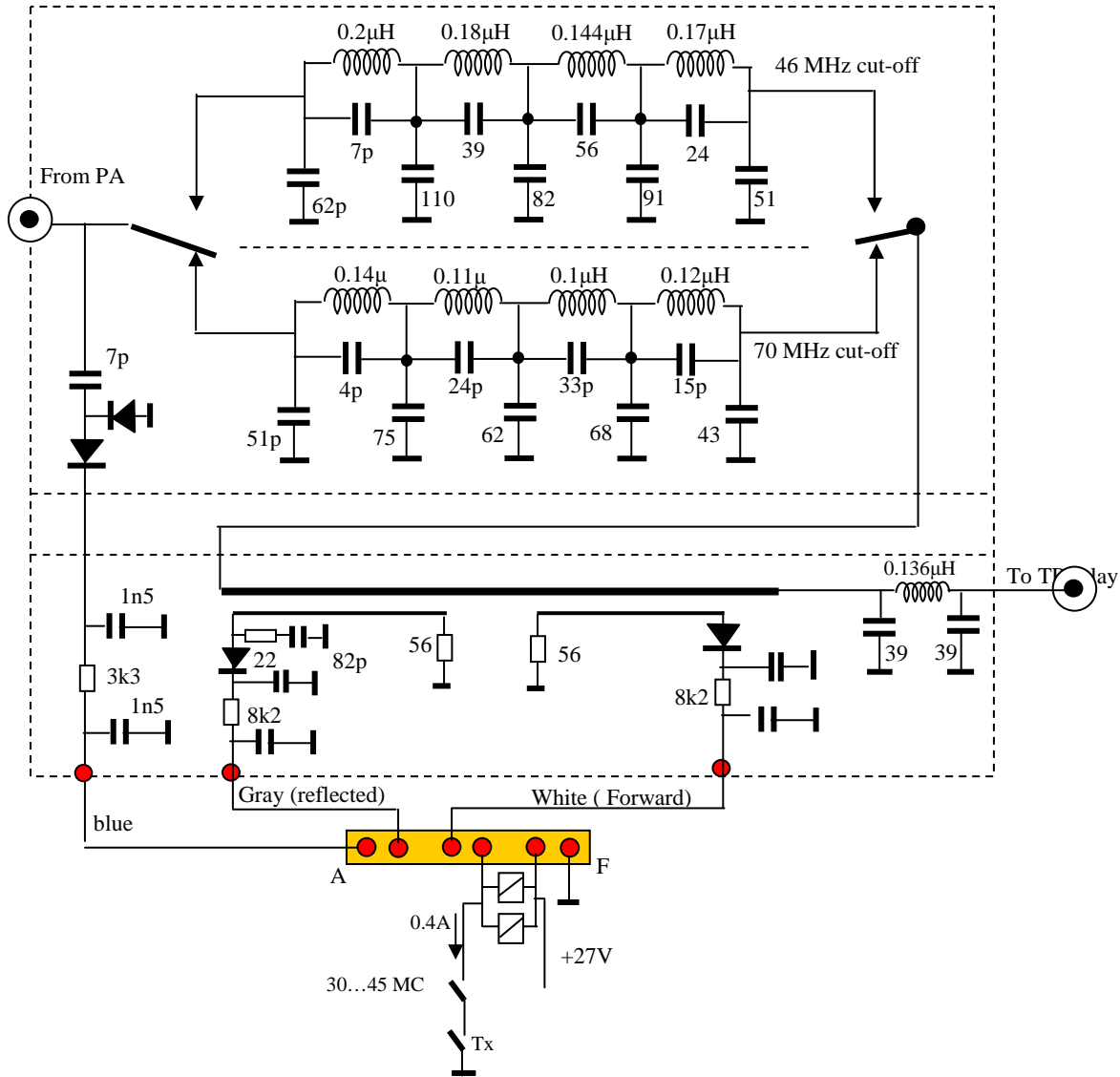


ARC-54 Transmitter Audio
March 11, 2011 kb

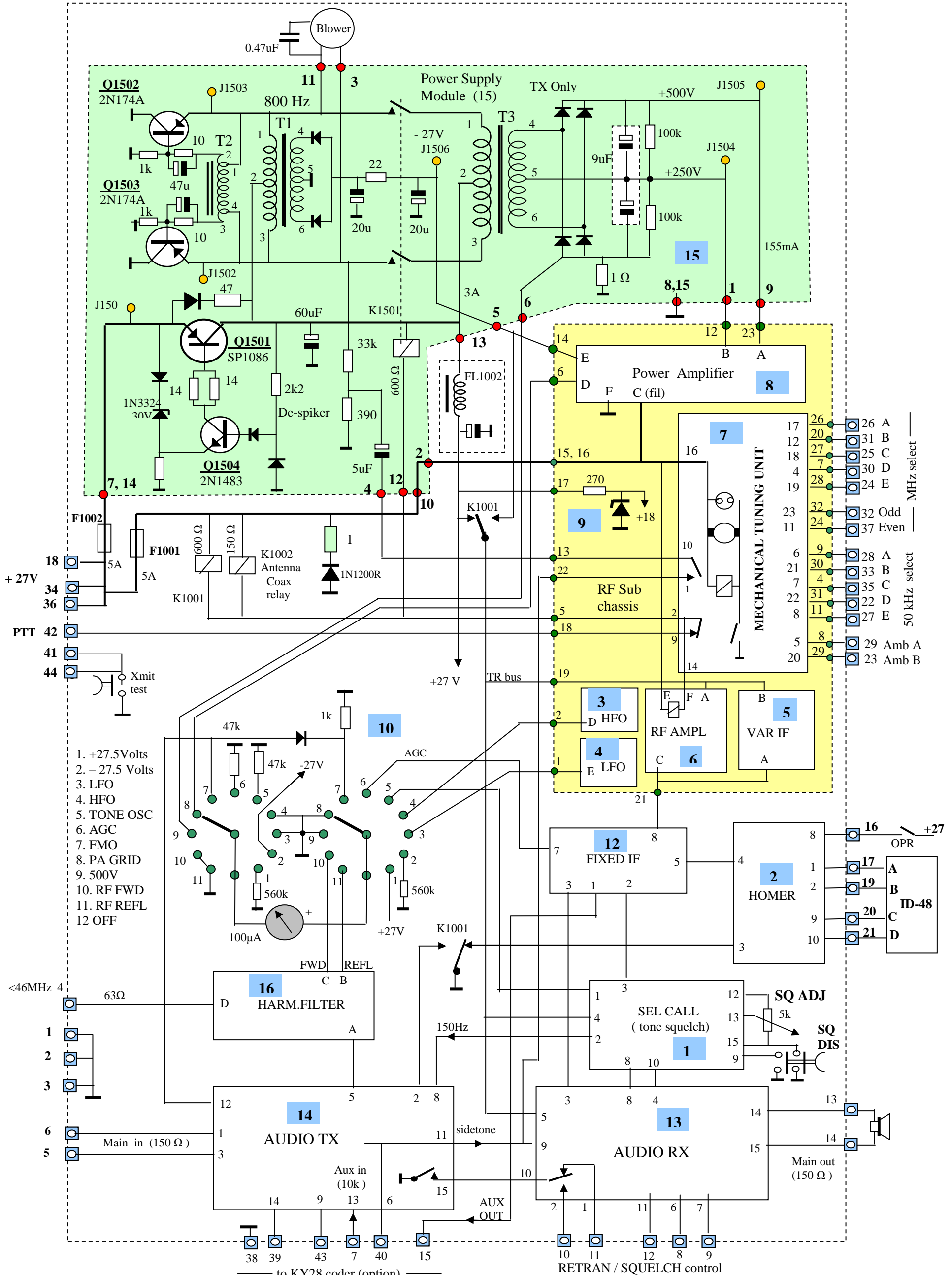


K1001 controls the ±27V TR bus
 K1002 is the antenna (coax) relay
 K1 enables the +500 and +250V

ARC-54 Power Supply
 25-2-2011 kb

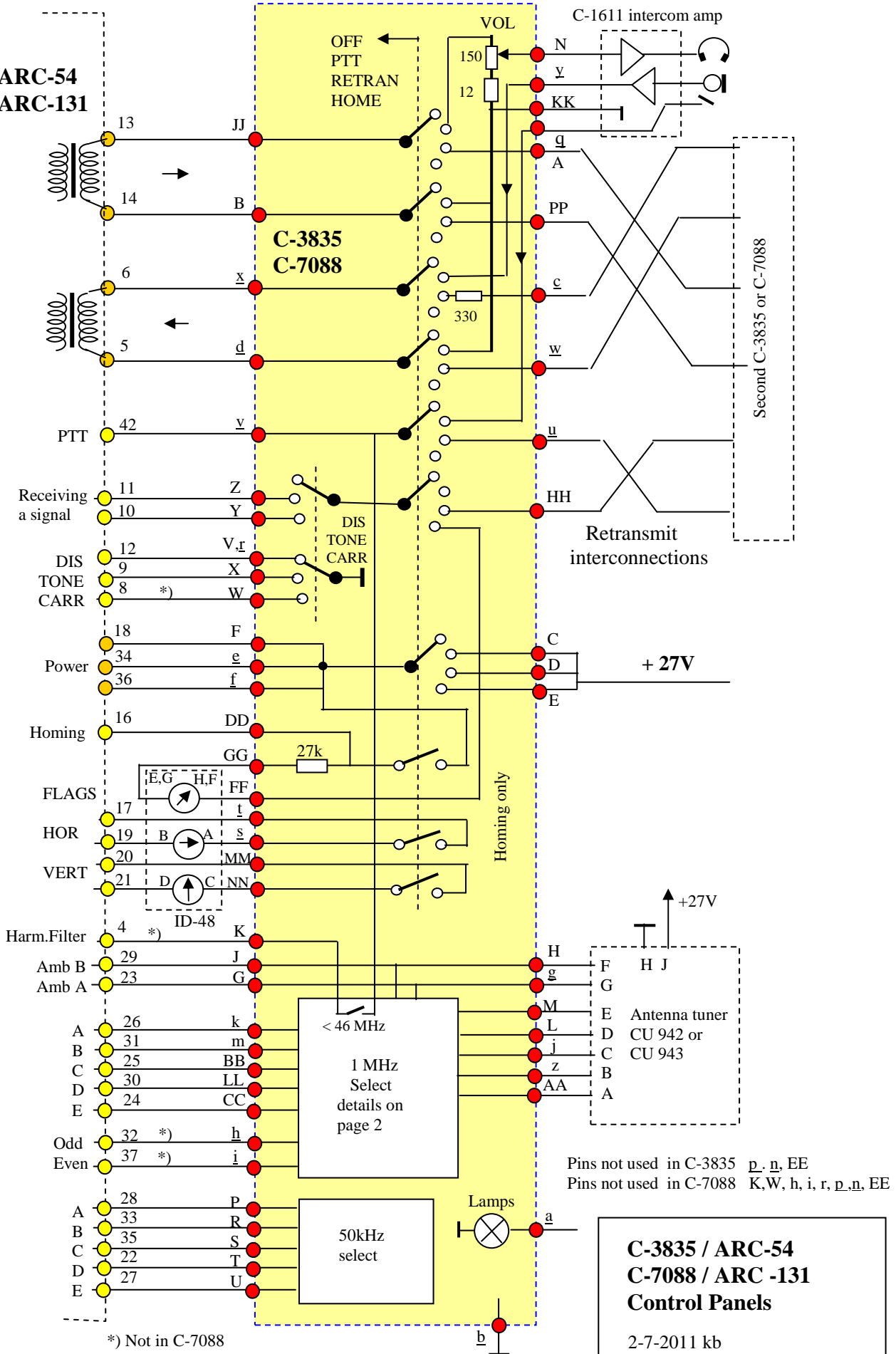


ARC-54 Harmonic Filter
10-10-2011 kb



RT-394 / ARC-54 MAIN CHASSIS AND POWER SUPPLY
 Oct 14, 2011 kb

**ARC-54
ARC-131**



**C-3835 / ARC-54
C-7088 / ARC-131
Control Panels**

2-7-2011 kb