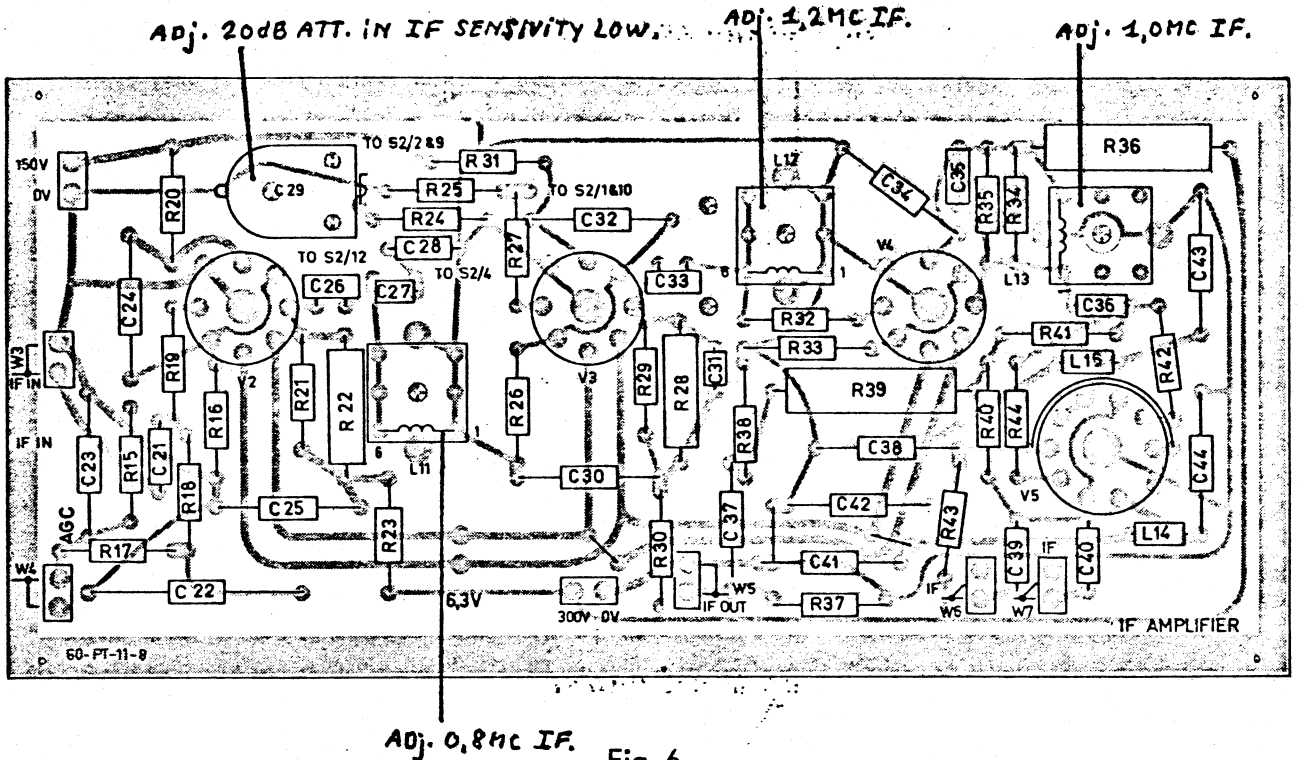
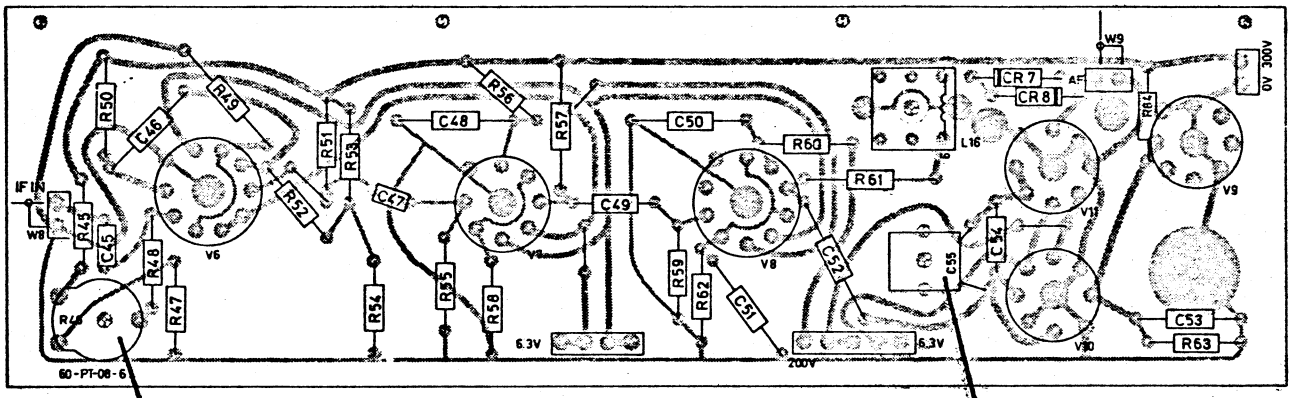


Fig.6.



ADj. TO MIN FM RESIDUAL.
IF TOO MUCH REPLACE
V10 V11.

Fig.7.

FM CALIBRATION.

ADj. 200V DC.

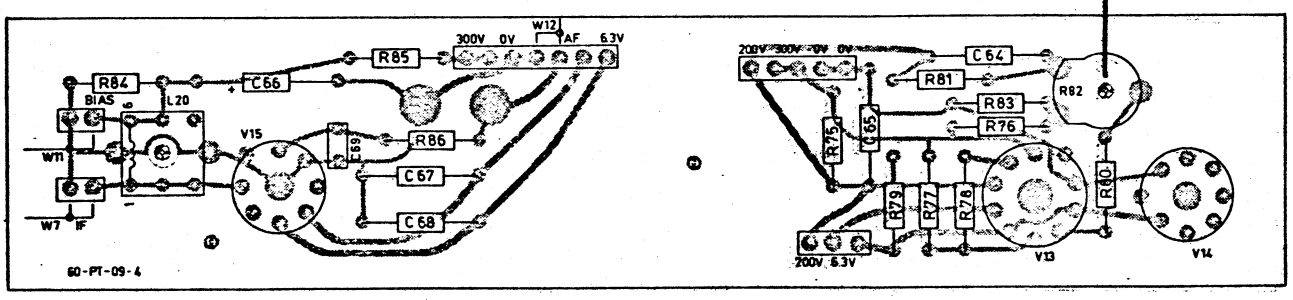


Fig.8.

ADj. AF AMPLIFIER

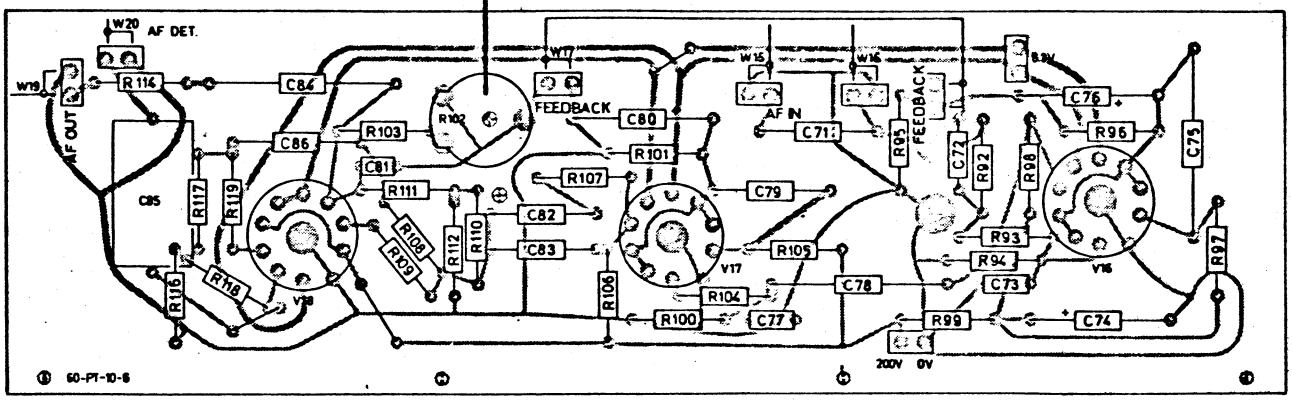


Fig.9.

ADj. AM MODULATION

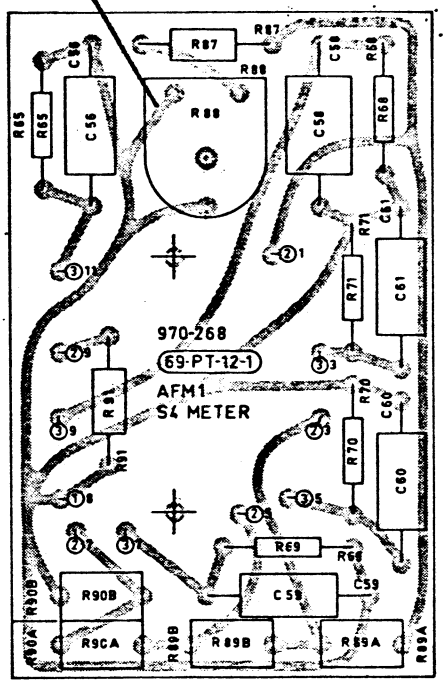


Fig.11

ADj. MODULATION PEAK ±

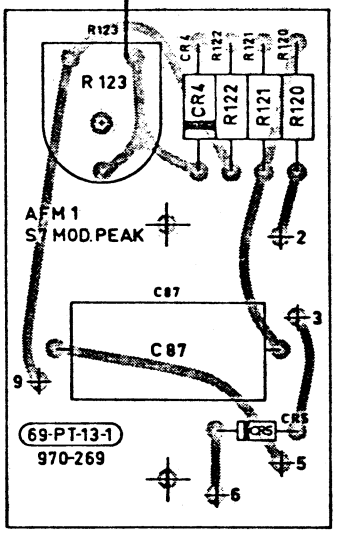


Fig.12

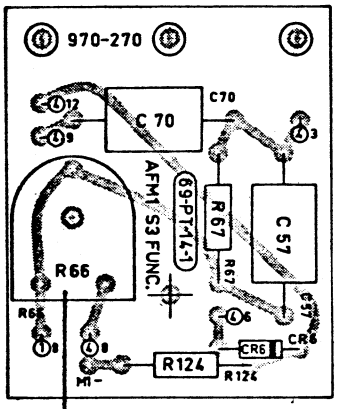


Fig.10.

ADj. IF CHECK

FUNCTION SELECTOR.

METER.

MOD. PEAK

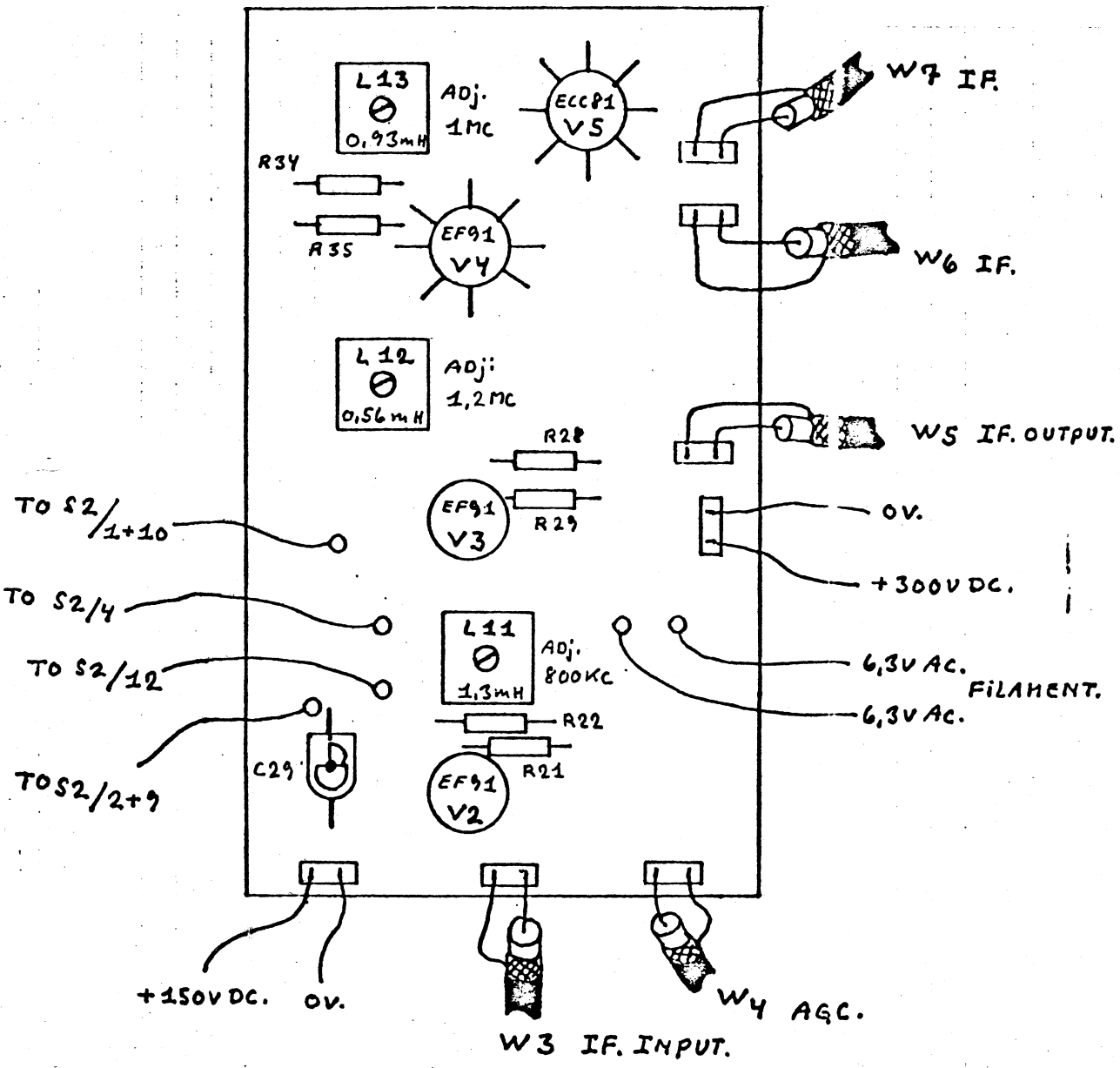
RADIOMETER A/S

NO. 361

ADJUSTMENT OF AFM1 IF. AMPLIFIER.

DATE 30 NOV. 1972

SIGN JOHN NIELSEN



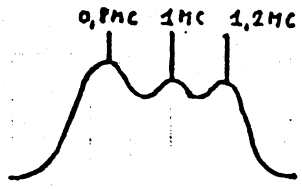
ADJUSTMENT OF AFM1
IF. AMPLIFIER

1. DISCONNECT THE CABLE W3 (IF INPUT.), AND CONNECT A SIGNALGENERATOR TO THE P.C. BOARD.
2. SET THE IF SENSITIVITY SWITCH TO HIGH, AND THE FUNCTION SWITCH TO LEVEL. TURN THE LEVEL KNOB FULLY CLOCKWISE.
3. ADJUST THE SIGNALGENERATOR TO 1MC, AND FULL SCALE DEFLECTION ON THE AFM1 METER (APPROX. 700µV INPUT SIGNAL.)
4. CHECK THE READING (AFM1 METER), AT 0,8MC AND 1,2MC. (KEEP THE LEVEL FROM THE SIGNALGEN. KONSTANT.)

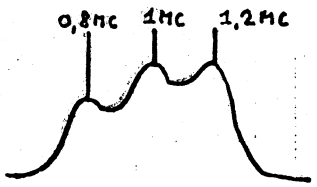
   THE DIFFERENCE BETWEEN 1MC AND 0,8MC - 1,2MC SHOULD BE LESS THAN 2%.

   IF THE READING IS > 2% ADj. L11 - L12 - L13 AND R22 - R28 - R34.
5. SET SENSITIVITY SWITCH TO LOW AND INCREASE THE INPUT SIGNAL 20dB; ADj. THE C29 TRIMMER TO THE SAME READING.

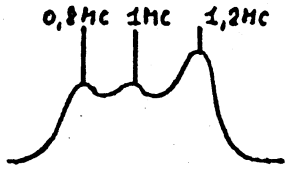
NOTE. R22 - R28 - R34 SHALL BE 1 WATT, IF NO SHUNT-RESISTORS ARE USED.



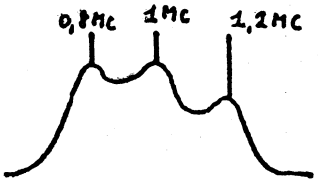
< R21



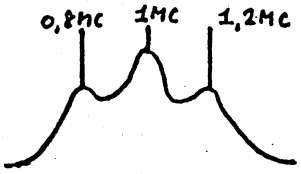
< R29 + R35



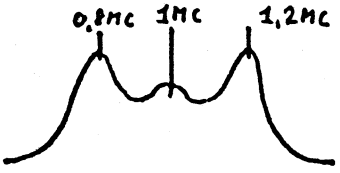
< R29



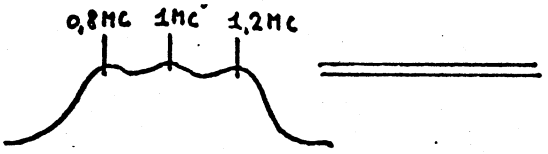
< R21+R35



< R35



< R21+R29



2% TOLERANCE.

NORMAL IF.

RESISTORS: R34 = 15KΩ ≠ R35 ~ 68KΩ

R28 = 33KΩ ≠ R29 ~ 82KΩ - 270KΩ

R22 = 39KΩ ≠ R21 ~ 120KΩ - 220KΩ

COILS: L11 ADJUST 0,8MC

L12 ADJUST 1,2MC

L13 ADJUST 1,0MC

AFM1.

361 FOR STORT AM PÅ FM. 21 SEP. 1972

J. NIELSEN

TILSLUT EN MS111 TIL LOW INDGANG 100mV, 1MC, 50% AM STIL IF SENTIVITY PÅ LOW, JUSTER TIL FULDT UDSLAG I STILLING LEVEL, STIL OMSKIFTER PÅ FM, OG METEROMSKIFTER PÅ 3KHz, TILSLUT EN RV35 PÅ "AF OUTPUT" BØSNINGER OG JUSTER R46 (LIMITER BIAS) TIL RV35 VISER < 15mV. KAN DET IKKE OPNÅS SÅ UDSKIFTES EAA91 DIODER V10 OG V11 OG R46 JUSTERES IGEN.
NORMALT: < 11mV.

o O o

AM OG FM.

CONNECT A SIGNAL GENERATOR TO LOW INPUT 100mV, 1MC, 50% AM.
SWITCH IF SENSITIVITY TO LOW, AND ADJUST TO FULL SCALA DEFLECTION IN POSITION LEVEL.
SWITCH FUNCTION SELECTOR TO FM, AND METER SELECTOR TO 3KC.
CONNET A AC MILIVOLTMETER TO "AF" OUTPUT BUSCHING. ADJUST R46 (LIMITER BIAS) TO < 15mV, EVENTUALLY CHANGE V10 AND V11 TUBE AND READJUST R46.
NORMAL < 11mV.

SCALE CORD AFN. 21

Kondensator : uddrejet.