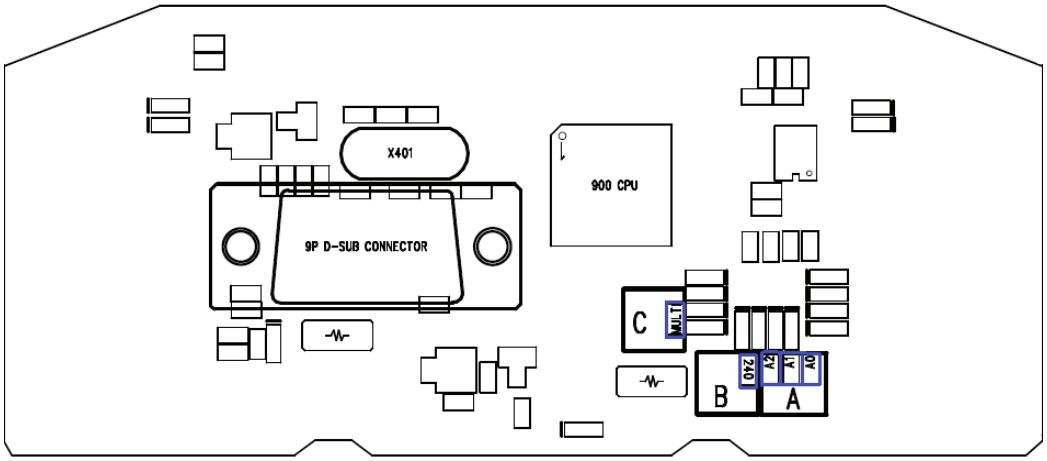
Repair & Adjustment Hints
AE 6890 Jumper settings, Power and Channel options

Jumpers at detachable front section board

To open: take off front section, remove 4 screws



Jumper section A:

Selecting the initial factory default frequency. (1 = solder jumper or 0 Ohm resistor added) Factory default is version 3 jumpers added for Germany ***dE***

Version	A0	A1	A2	Country	DISPLAY,CHANNEL
1	1	0	0	UK	U(FM40CH 4W)
2	0	1	0	Spain (Italy)	E (F40 4W/AM40 4W)
3	1	1	0	GERMANY	DE(FM80 4W/AM40 1W)
4	0	0	1	EU	EU(FM40 4W/AM40 1W)
5	0	1	1	CEPT(FM)	EC(FM40 4W)
6	1	1	1	POLAND(-5K)	Po(FM40/AM40 4W)

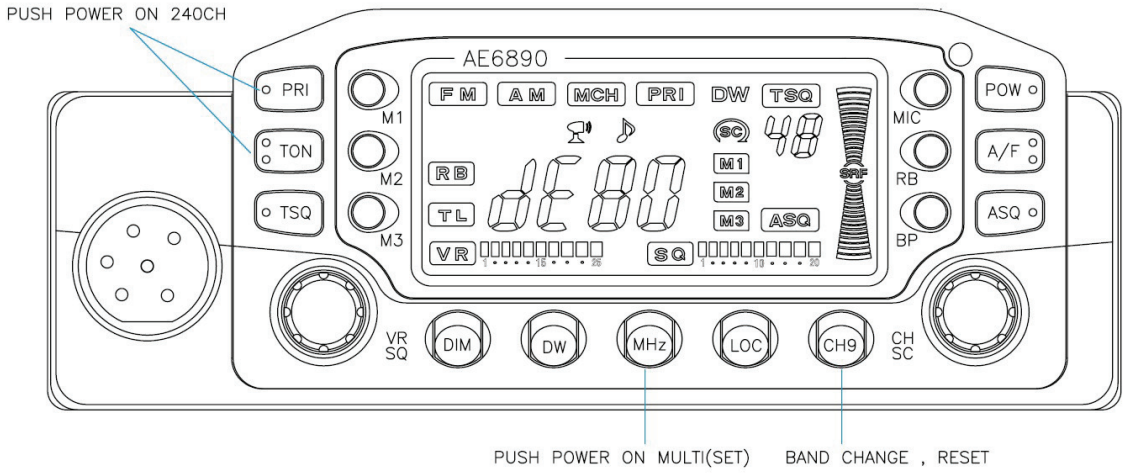
Jumper section B:

Enable 240CH by adding 0 OHM or solder jumper.
Default setting: no jumper, 240 CH is not allowed

Jumper section C:

Default: Enable MULTI Standard selection by user: 0 Ohm or solder jumper added
Disable Multi Standard selection: delete 0 Ohms or delete solder jumper.

Operation in 240 CH mode:



- Keep buttons ***PRI*** and ***TON*** pressed during switch on
- Release ***Power*** knob
- Relase ***PRI*** and ***TON***
- Select bands ***A*** to ***F*** by ***CH 9*** knob

Reset to Multi Standard mode:

- Keep button ***CH 9*** pressed during power on

Reset appears on display for a moment, then normal operation starts

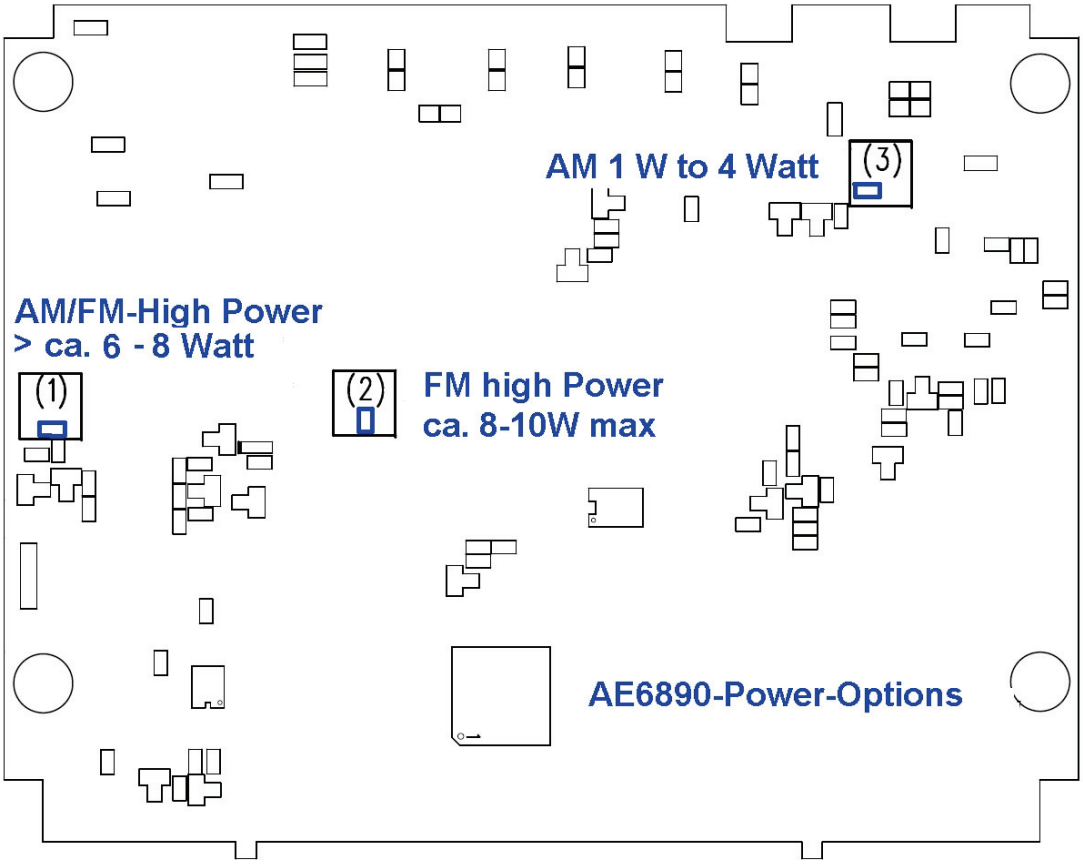
Operation in standard mode (all EU countries)

- Keep ***MHz*** button pressed during ***Power on***
- Release ***POWER*** button
- Release ***MHz*** button
- Select country between ***dE*** (D, CZ), ***EU*** (European AM + FM), ***EC*** (European FM), ***E*** (Spain AM+FM), ***Po*** (Poland AM+FM) and ***U*** (UK FM channels)
- Press ***MHz*** to confirm

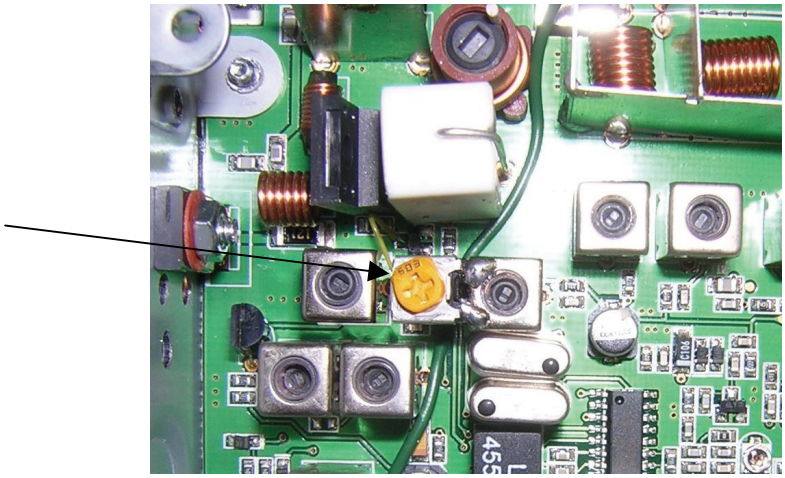
Power jumper options (for use in Russia only)

Open main radio cabinet. Install solder jumpers or 0 Ohms resistors.
Possible modifications (1) and (2) ***or*** (3)

(1) highest possible AM power max. 6-8 W eff
(2) highest possible FM power max. 8-10 W
(3) set AM power from 1 W to 4 Watts

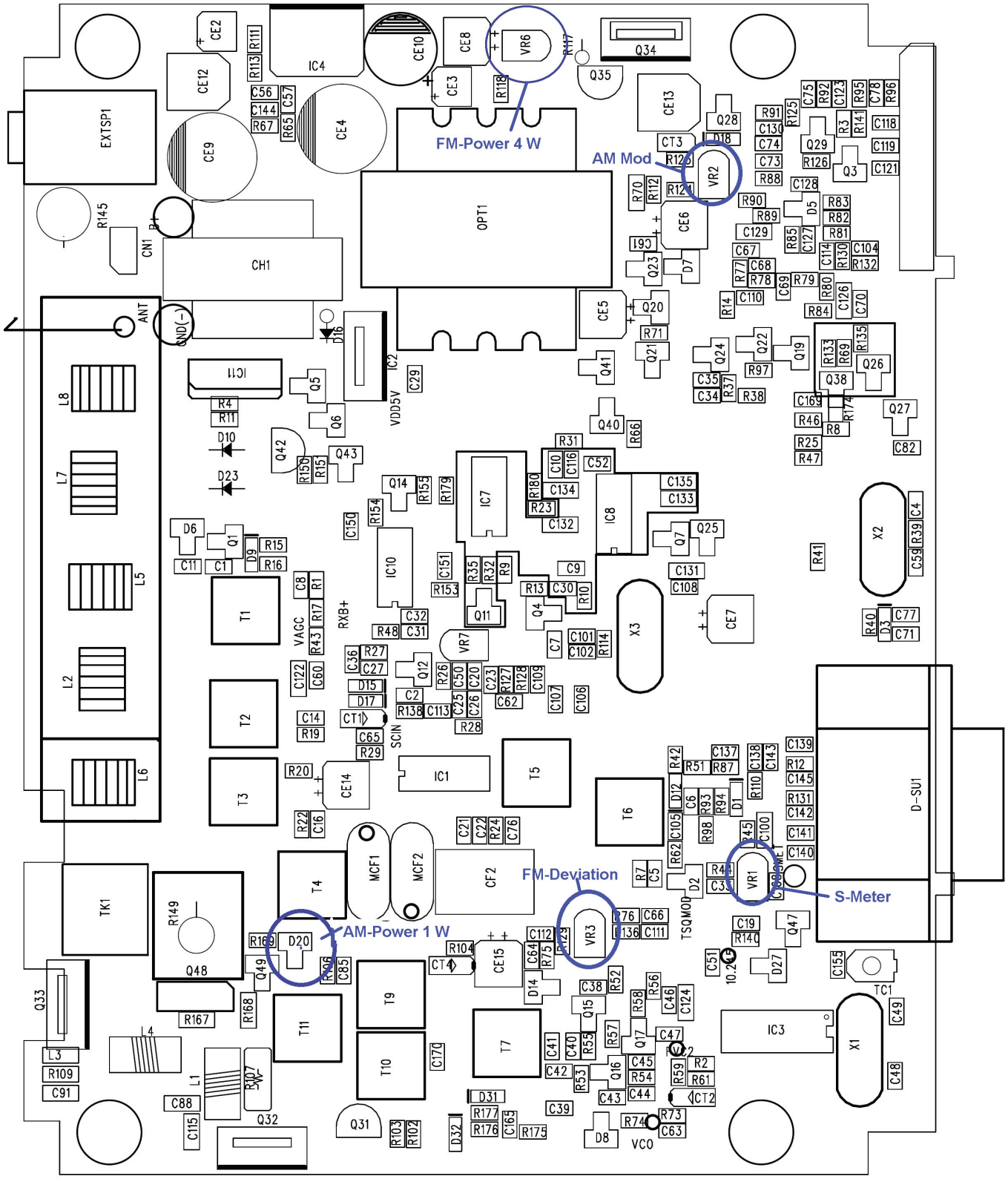


Note: instead of jumper (3) the **AM power in 1 Watt position** can be fine adjusted by potentiometer between about 700 mW and 4 Watt eff.

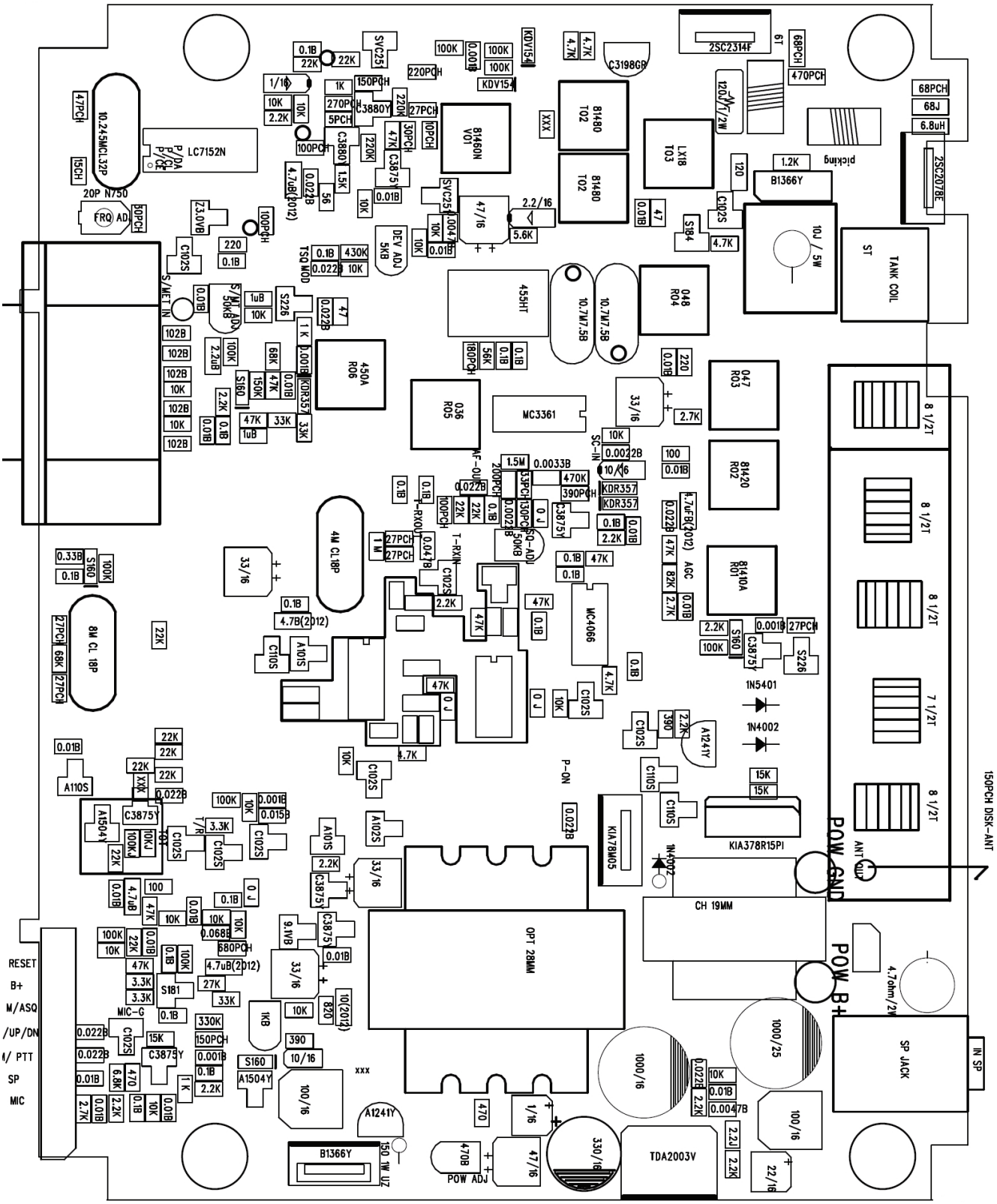
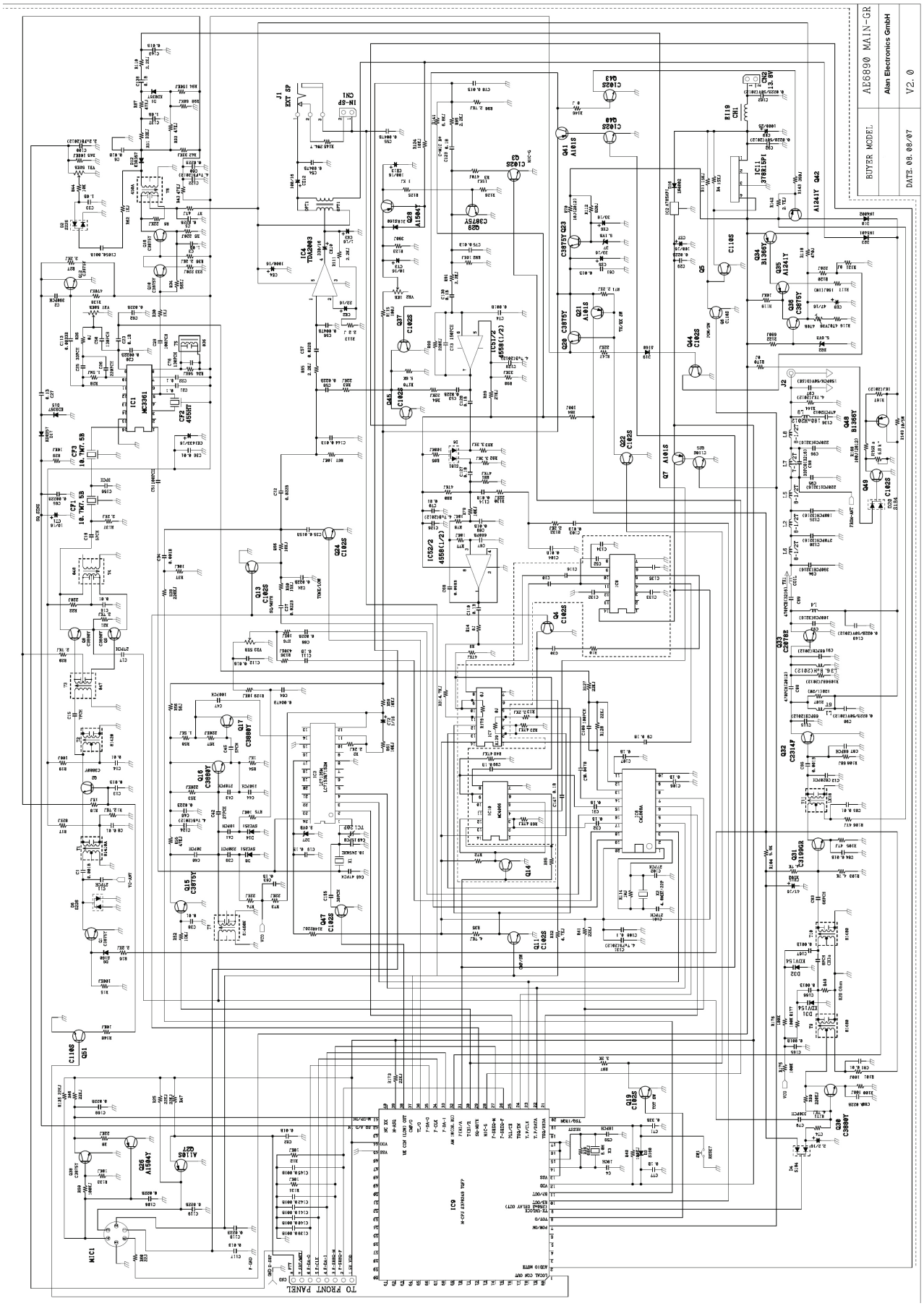


4 W Power adjustment in FM

User potentiometer ***RV 6*** in the power stabilizing section (near Modulation transformer for fine tuning to 4.0 Watts FM power.



Main board, with components values



Main board, circuit diagram