

TR1985 VHF TRANSCEIVER STC 1951

There are 10 preset channels, defined by 10 crystals. Channel selection is with a remote 11 position switch, which connects all lines to ground except the selected line.
This airborne transceiver has 5W RF output



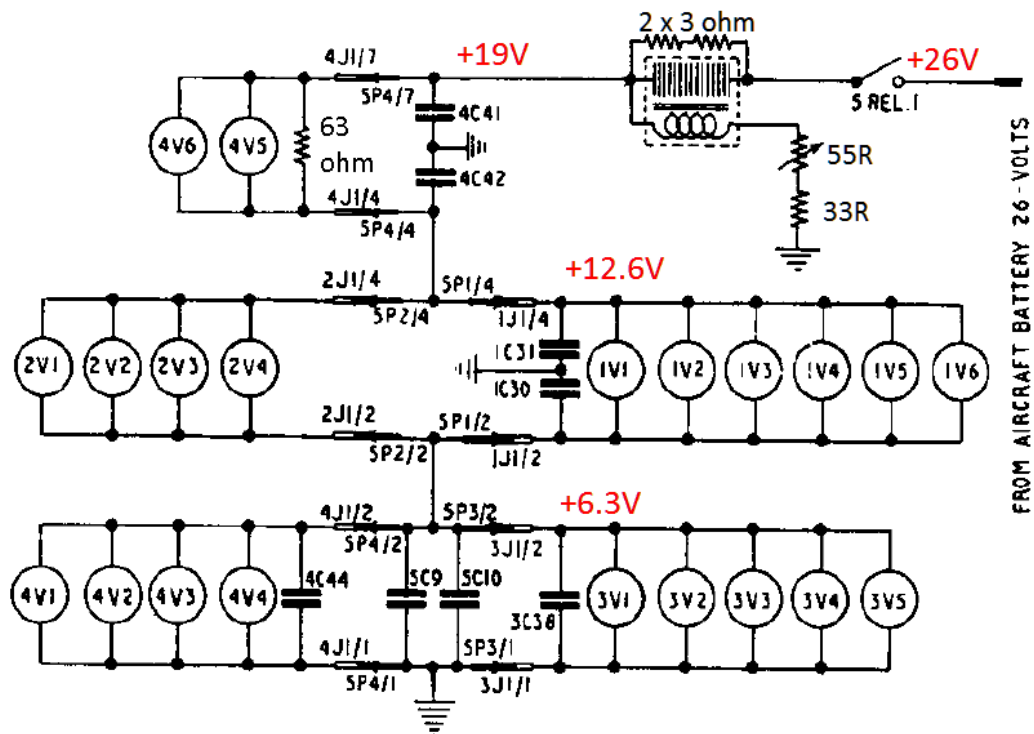
<u>RAF</u>	<u>CIVIL</u>	<u>FREQ RANGE</u>
TR1985	STR.9-X.2	100 - 125 MHz
TR1986	STR.9-X.3	124.5 - 156
TR1987	STR.9-X	115 - 145 MHz
TR1988	STR.9-X.1	100 - 156 MHz (112-142 civil)



Front view without crystals.
These are to be placed in the red sockets.

Connectors from left to right are:
26V DC input
Aerial
Control panel (12 wire)
Headset (Mike and phone)

Filament circuit



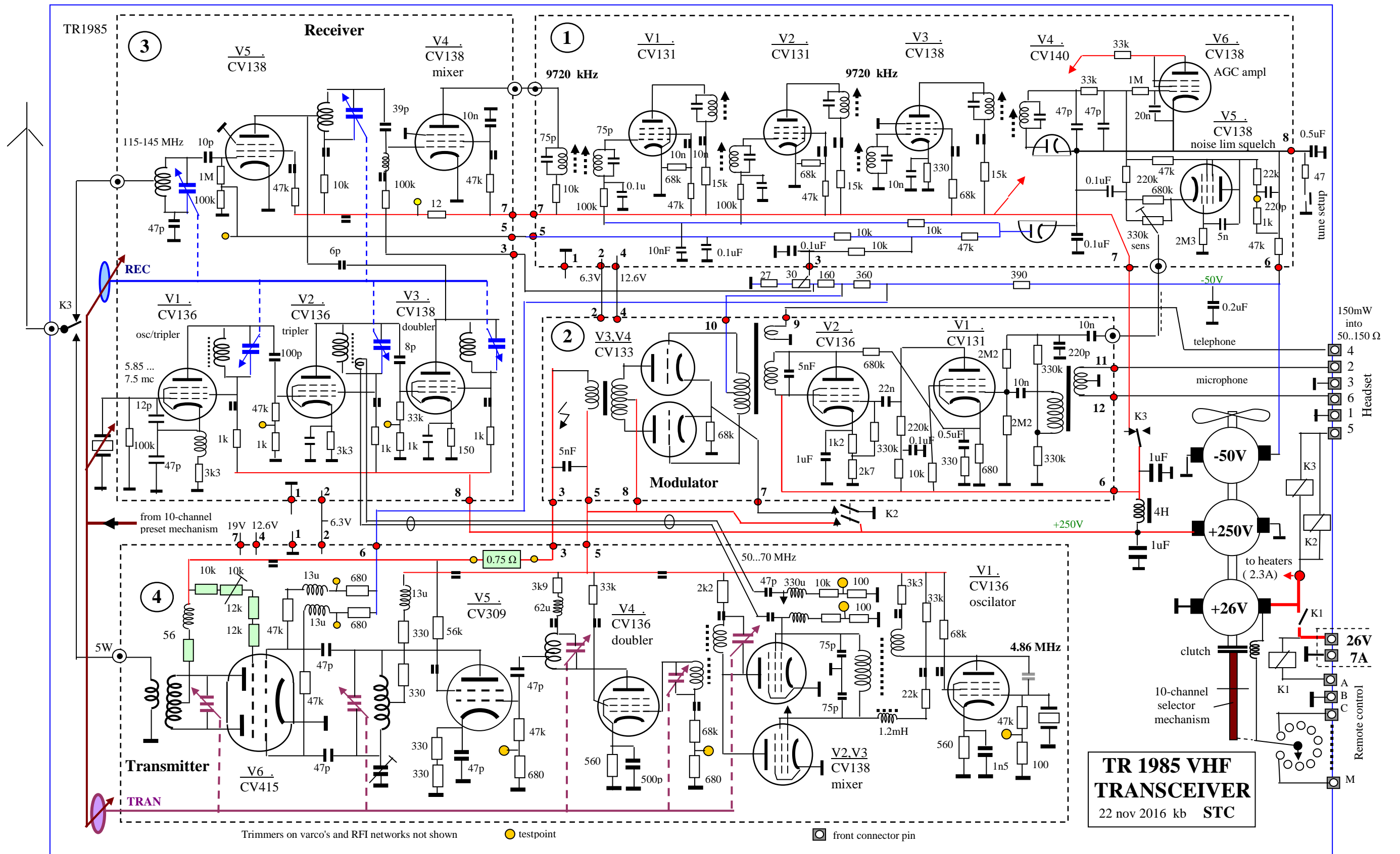
1V1, 1V2	CV131 = 9D6	0.2 A	
1V3, 1V5, 1V6	CV138 = 6AM6	0.3	
1V4	CV140 = 6AL5, EAA91	0.3	1V 1.6 A
2V1	CV131	0.2	
2V2	CV136 = 6AM5	0.2	
2V3, 2V4	CV133 = 6C4, EC90	0.15	2V 0.7A
3V1, 3V2	CV136	0.2	
3V3, 3V4, 3V5	CV138	0.3	3V 1.3 A
4V1, 4V4	CV136	0.2	
4V2, 4V3	CV138	0.3	4V 1.0 A
4V5	CV309 = QV04 - 7	0.6	
4V6	CV415 = TT15	1.6	total 2.3 A

Carbon pile dissipation $7V \times 2.3A = 16 W$

Total heaters input $26 V \times 2.3A = 60 W$

Dynamotor input 100W max (more during transmit or channel changing)

Max. total input 180W (Rx) or 210W (Tx) max. RF output is 5W



**TR 1985 VHF
TRANSCIVER**
22 nov 2016 kb STC