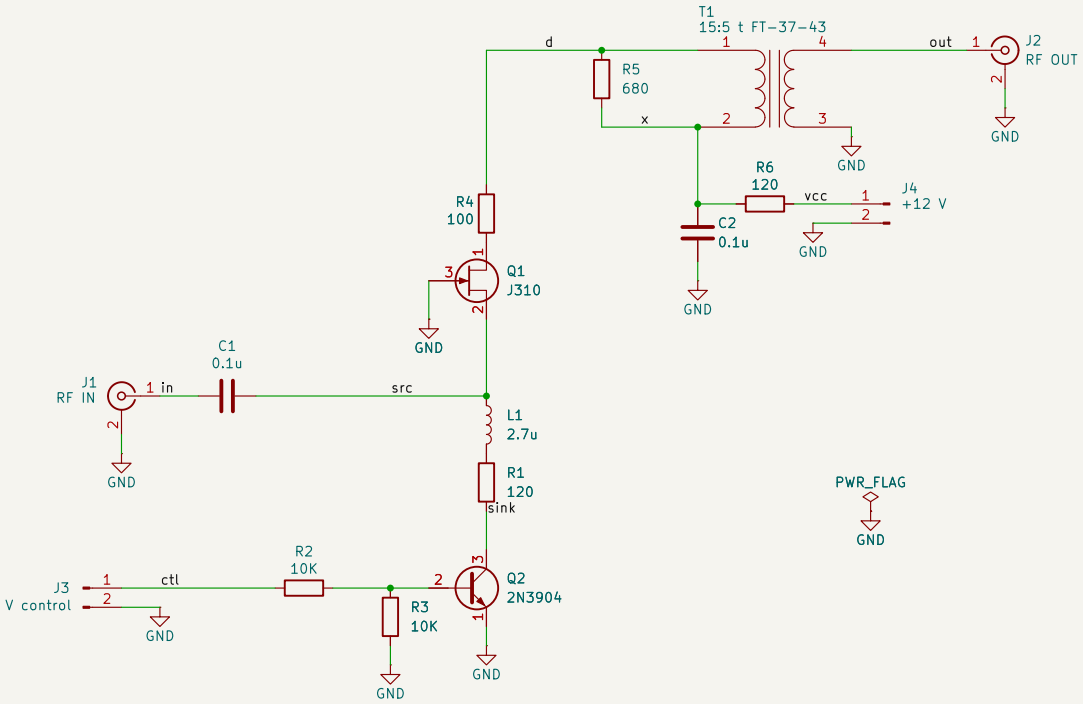


T1: 15 t primary, 5 t secondary on FT-37-43. Bias 12-14 mA from 12 V; V control turns the 2N3904 current sink on.

EMRFD p. 6.12: about 2 dB gain with R5 = 680 ohm (6.5 dB without), OIP3 +28 dBm at 14 MHz, NF 5.0 dB at 21 MHz, S12 −43 dB.

Redrawn for QRPedia by NT7S; J1-J4 added as ports
R5 = 680 ohm gives about 2 dB gain; omit R5 for about 6.5 dB (EMRFD text)
Source: EMRFD (Hayward, Campbell, Larkin) Fig 6.32, p. 6.12. Errata: none for p. 6.12
QRPedia Circuit Library

Sheet: /
File: common-gate-j310-rf-amp.kicad_sch

Title: Common-gate J310 RF amplifier with bias control

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