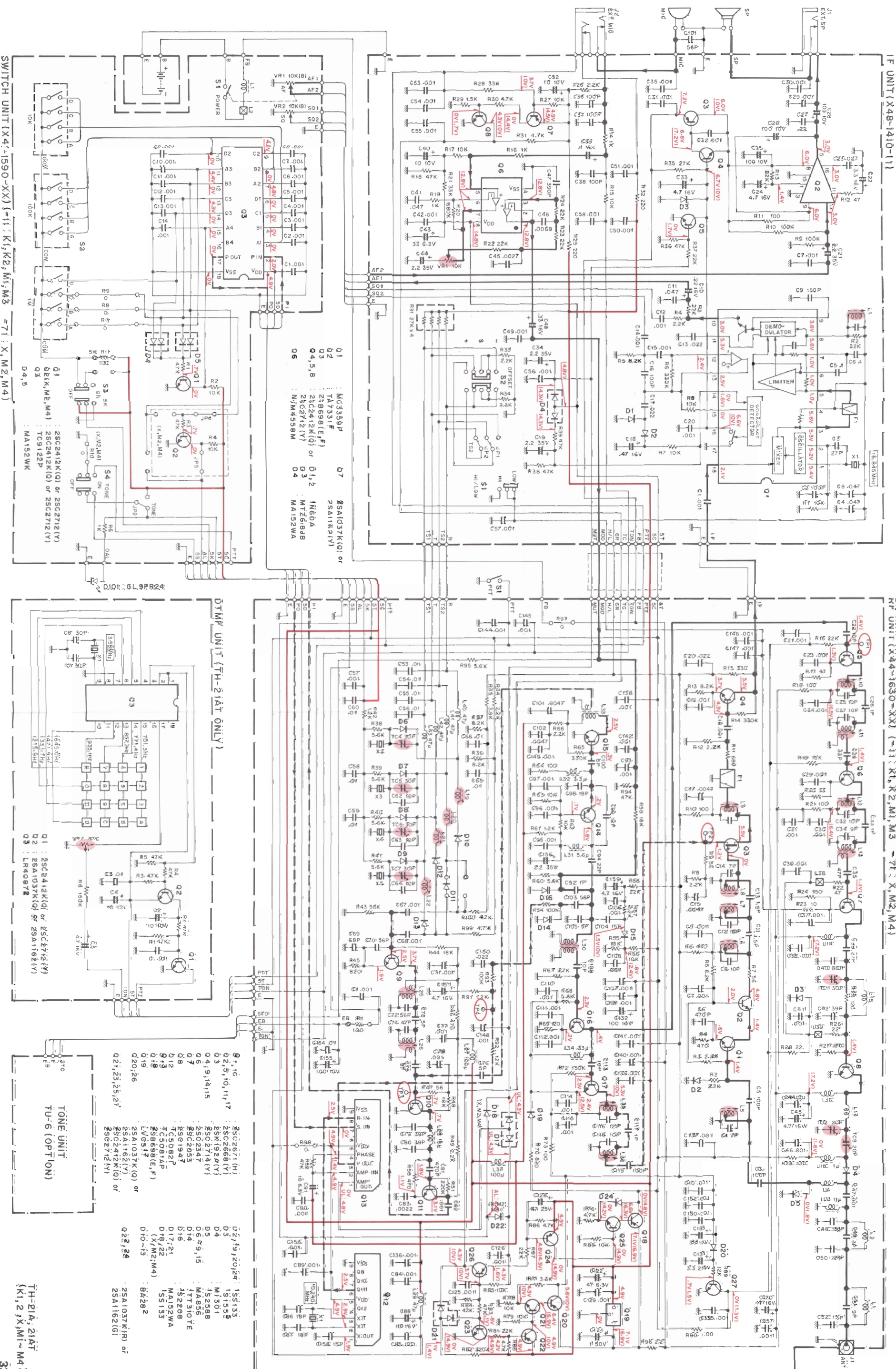


Signal line — Control line — Common DC line

Voltage measurement conditions f = 145.50MHz, RX no signal, () : TX.

TH-21A/AT SCHEMATIC DIAGRAM



- Q1 : MC3355P
- Q2 : TA7331F
- Q3,5,8 : 2SB698(E,F)
- Q4,5,8 : 2SC2412(K) or D12
- Q6 : NJM4558M
- Q7 : 2SA1037(K) or 2SA1162(Y)

- D1 : 1N60A
- D2 : MTZ6-8BB
- D3 : MA152WA

- D2,19,20,24 : 1S5133
- D3 : 2SC2668(Y)
- D4 : WT501
- D5 : 1S2598
- D6,9,15 : MA856
- D7 : 2SC2053
- D14 : 1T310TE
- D16 : 1S2208
- D17,21 : MA152WA
- D18,22 : 1S5133
- D10-13 : BR282
- D22,24 : 2SA1037(K) or 2SA1162(Y)

- Q1 : 2SC2413(K) or 2SC2712(Y)
- Q2 : 2SA1037(K) or 2SA1162(Y)
- Q3 : ER8087A
- Q4,16 : 2SC2671(H)
- Q2,9,10,11,17 : 2SC2668(Y)
- Q3 : 2SK1922(R,Y)
- Q4,9,14,15 : 2SC2714(Y)
- Q6 : 2SC2347
- Q7 : MA856
- Q8 : 1T310TE
- Q9 : 1S2208
- Q12 : TC5082P
- Q13 : 2SB698(E,F)
- Q18 : T5081AF
- Q19 : LV651F
- Q20,26 : 2SA1037(K) or 2SA1162(Y)
- Q21,23,25,27 : 2SC2712(Y) or 2SC2712(Y)
- Q22,24 : 2SA1037(K) or 2SA1162(Y)

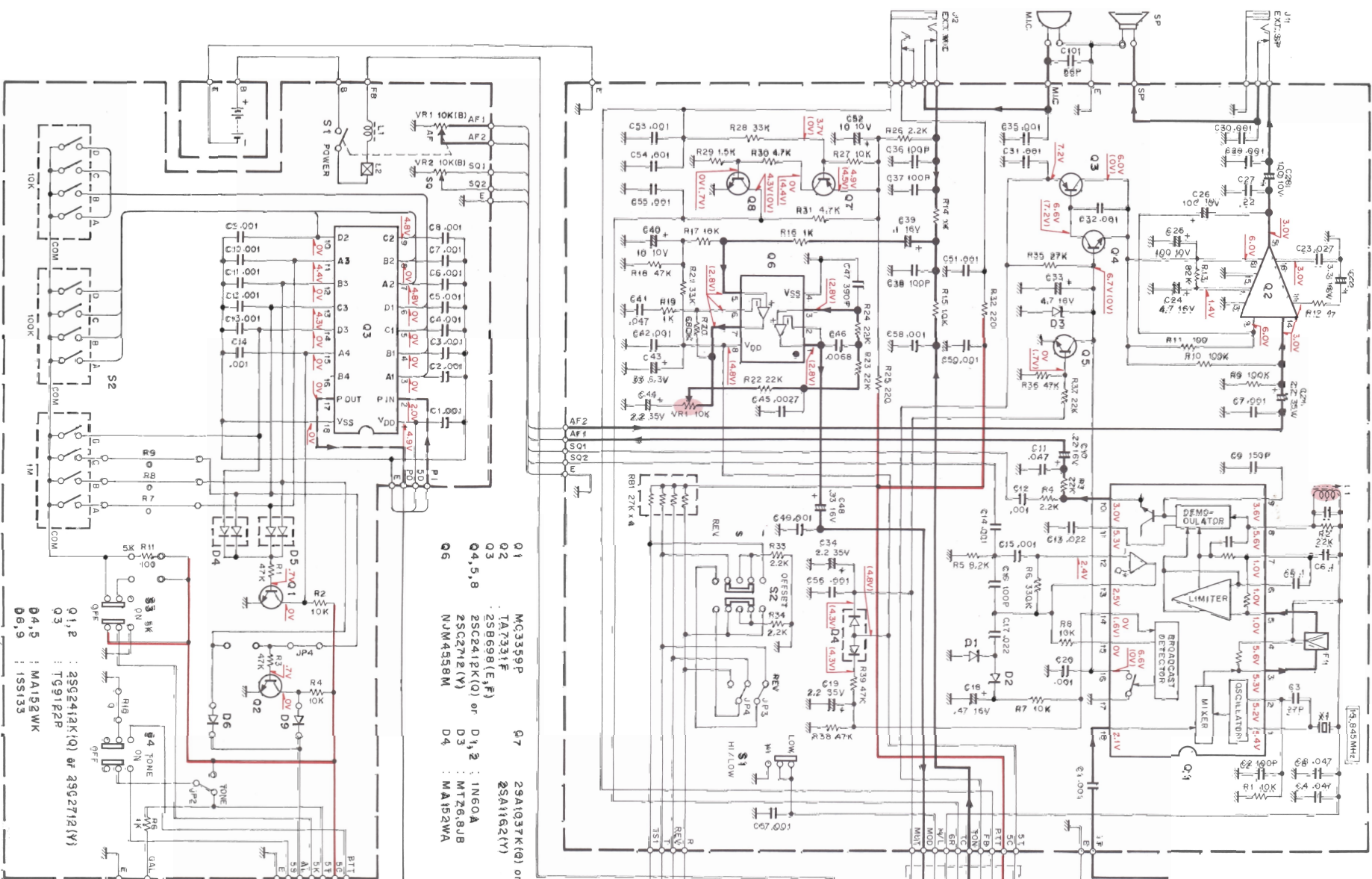
TONE UNIT

FU-6 (OPTION)

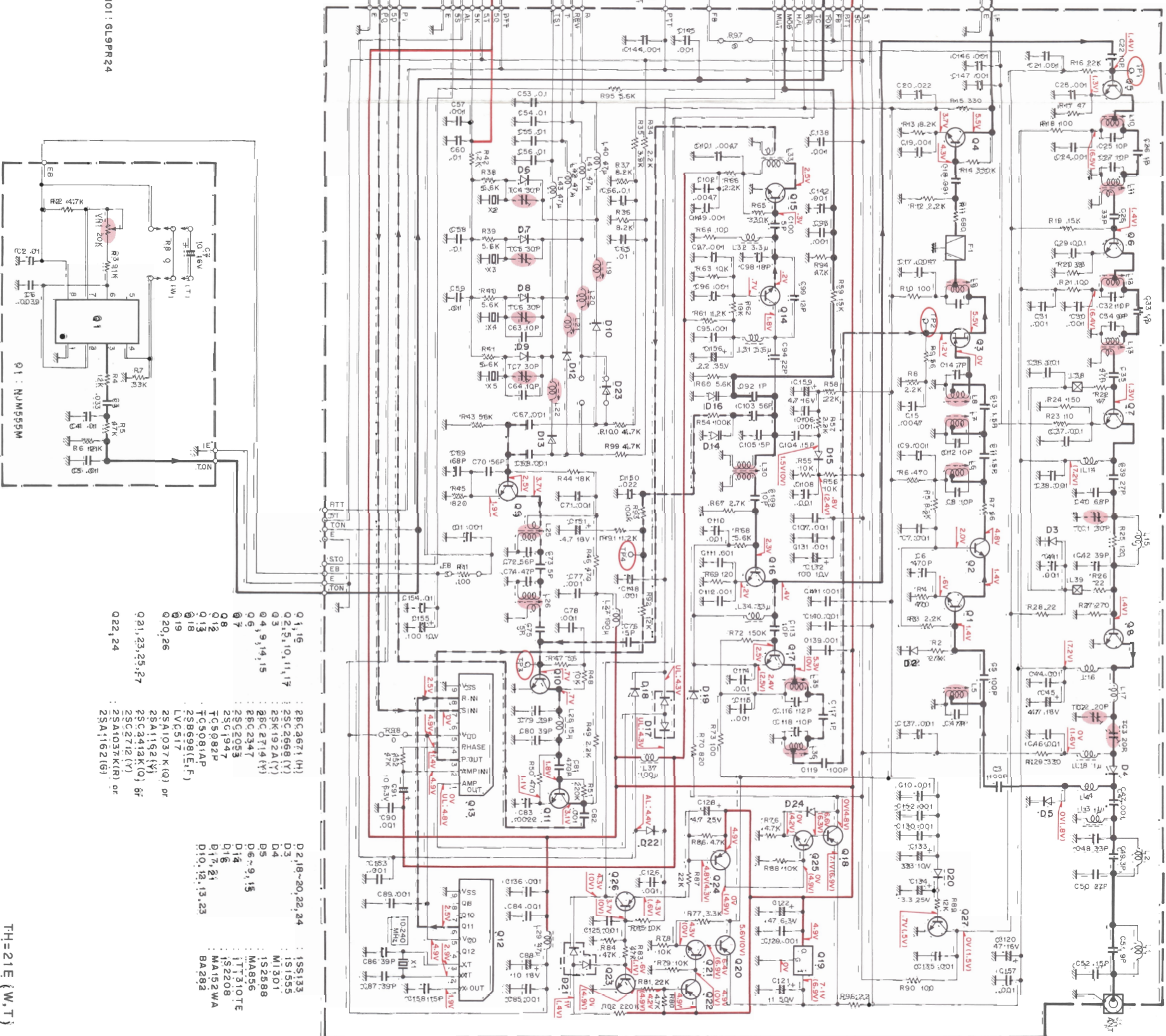
TH-21A, 21AT (K1, 2, X, M1 ~ M4)

SWITCH UNIT (X41-1590-XX) (—): K1, K2, M1, M3 = 7: X, M2, M4

IF UNIT (X48-1410-61)



RF UNIT (X44-1630-61)



SWITCH UNIT (X41-1590-XX) (-51; T -61; W)

TONER UNIT (X52-1270-XX) (-51; T -60; W)

Signal line — Control line — Common DC line Voltage measurement conditions f = 145.50MHz, RX no signal, () : TX.