

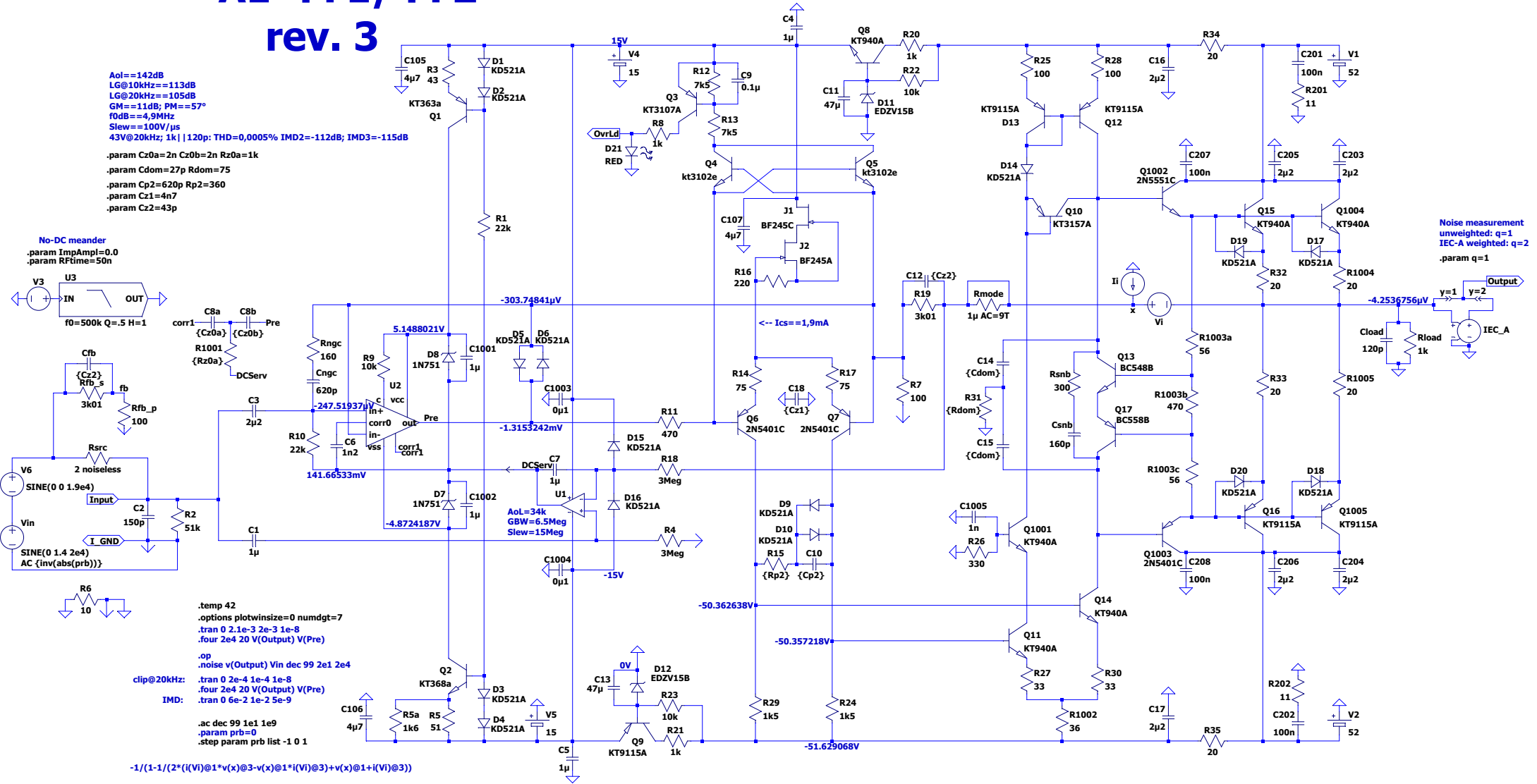
A1-ΦΓ1/ΦΓ2

rev. 3

Aol==142dB
 LG@10kHz==113dB
 LG@20kHz==105dB
 GM==11dB; PM==57°
 fdB=4.9MHz
 Slew=100V/μs
 43V@20kHz; 1k | 120p: THD=0,0005% IMD2=-112dB; IMD3=-115dB

.param Cz0a=2n Cz0b=2n Rz0a=1k
 .param Cdom=27p Rdom=75
 .param Cp2=620p Rp2=360
 .param Cz1=4n7
 .param Cz2=43p

No-DC meander
 .param ImpAmpl=0.0
 .param RfTime=50n



Noise measurement
 unweighted: q=1
 IEC-A weighted: q=2
 .param q=1

.temp 42
 .options plotwinsize=0 numdgt=7
 .tran 0 2.1e-3 2e-3 1e-8
 .four 2e4 20 V(Output) V(Pre)
 .op
 .noise v(Output) Vin dec 99 2e1 2e4
 clip@20kHz: .tran 0 2e-4 1e-4 1e-8
 .four 2e4 20 V(Output) V(Pre)
 IMD: .tran 0 6e-2 1e-2 5e-9
 .ac dec 99 1e1 1e9
 .param prb=0
 .step param prb list -1 0 1

$$-1/(1-1/(2*((V(i))@1*v(x))@3-v(x))@1*(V(i))@3)+v(x))@1+(V(i))@3))$$