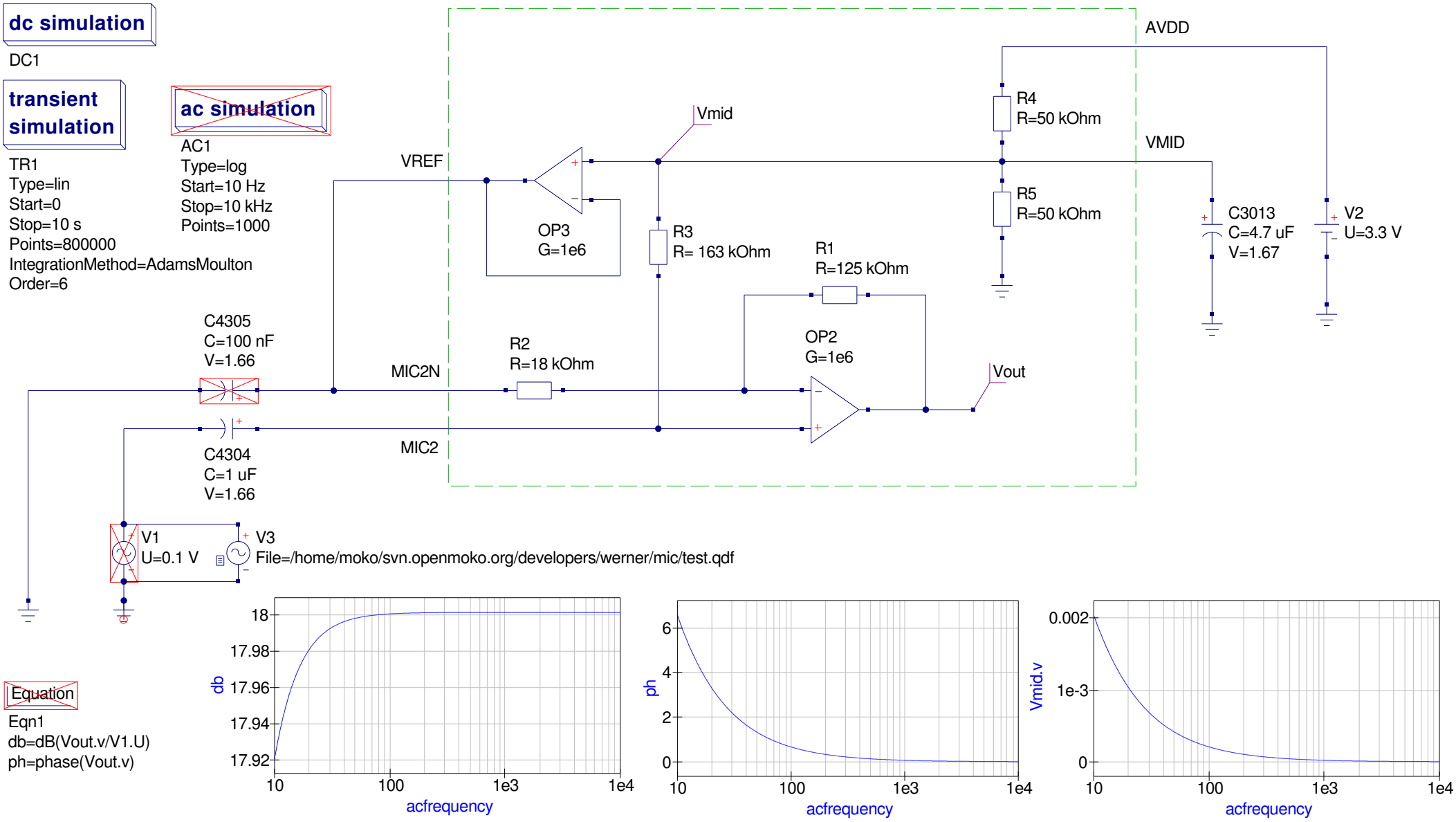
dc simulation
DC1
transient simulation
TR1
Type=lin
Start=0
Stop=10 s
Points=800000
IntegrationMethod=AdamsMoulton
Order=6
ac simulation
AC1
Type=log
Start=10 Hz
Stop=10 kHz
Points=1000
AVDD
R4
R=50 kOhm
Vmid
VREF
VMID
R5
R=50 kOhm
C3013
C=4.7 uF
V=1.67
V2
U=3.3 V
OP3
G=1e6
R3
R= 163 kOhm
R1
R=125 kOhm
C4305
C=100 nF
V=1.66
R2
R=18 kOhm
OP2
G=1e6
MIC2N
Vout
MIC2
C4304
C=1 uF
V=1.66
V1
U=0.1 V
V3
File=/home/moko/svn.openmoko.org/developers/werner/mic/test.qdf
Equation
Eqn1
db=dB(Vout.v/V1.U)
ph=phase(Vout.v)
db
18
17.98
17.96
17.94
17.92
10
100
1e3
1e4
acfrequency
ph
6
4
2
0
10
100
1e3
1e4
acfrequency
Vmid.v
0.002
1e-3
0
10
100
1e3
1e4
acfrequency