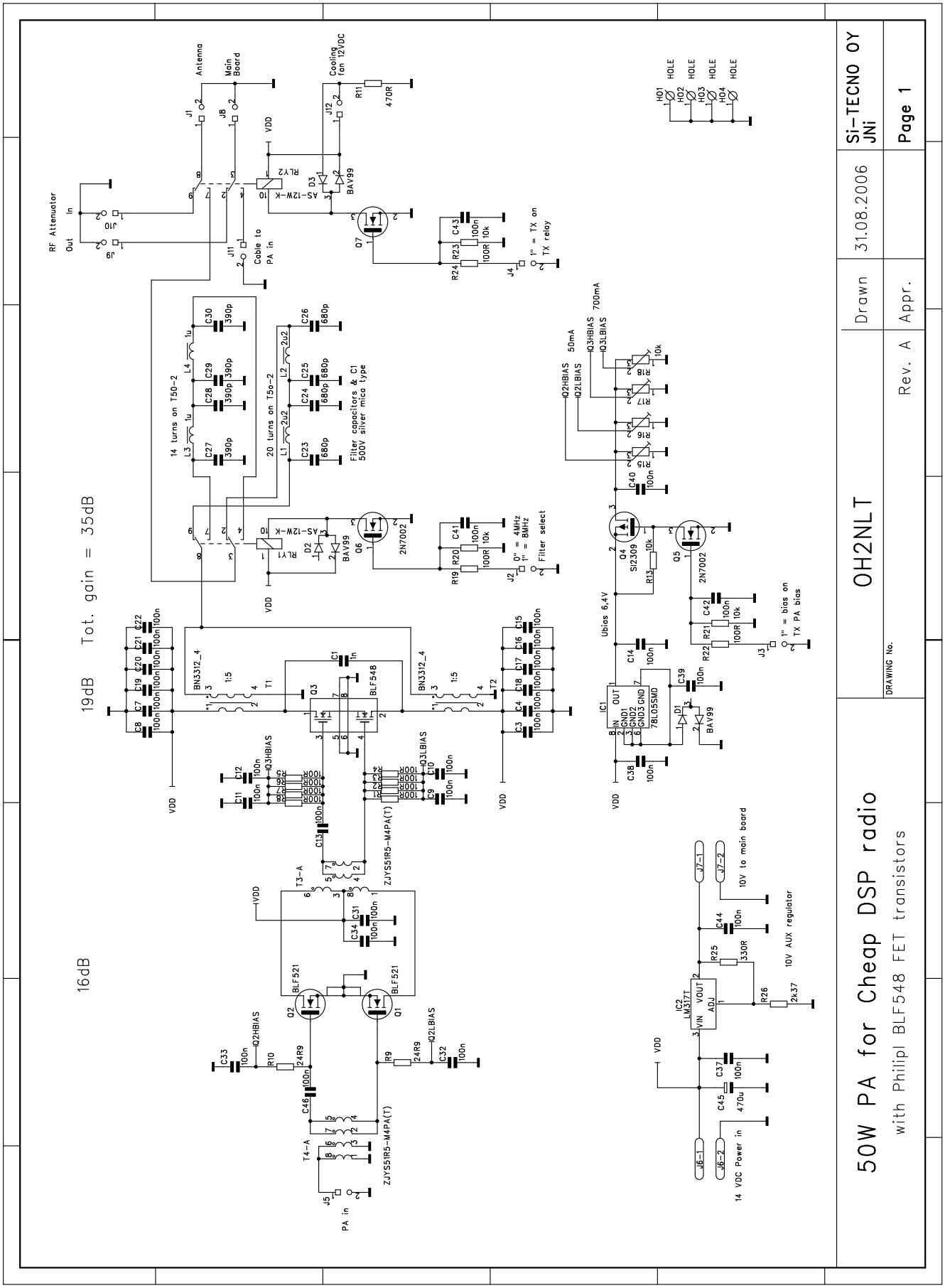
50W PA for Cheap DSP radio
with Philipl BLF548 FET transistors
OH2NLT
Si-TECNO OY
JNi
31.08.2006
Drawn
Appr.
Rev. A
Page 1
DRAWING No.
19dB Tot. gain = 35dB
16dB
14 turns on T50-2
20 turns on T5o-2
Filter capacitors & C1
500V silver mica type
BLF548
BLF521
BN3312_4
ZJYS51R5-M4PA(T)
BAV99
2N7002
SI2309
78L05SMD
LM317T
Antenna
Main Board
Cooling fan 12VDC
RF Attenuator
Cable to PA in
1" = TX on TX relay
0" = 4MHz 1" = 8MHz Filter select
1" = bias on TX PA bias
10V to main board
10V AUX regulator
14 VDC Power in
PA in
Ubias 6,4V
50mA
700mA
HOLE