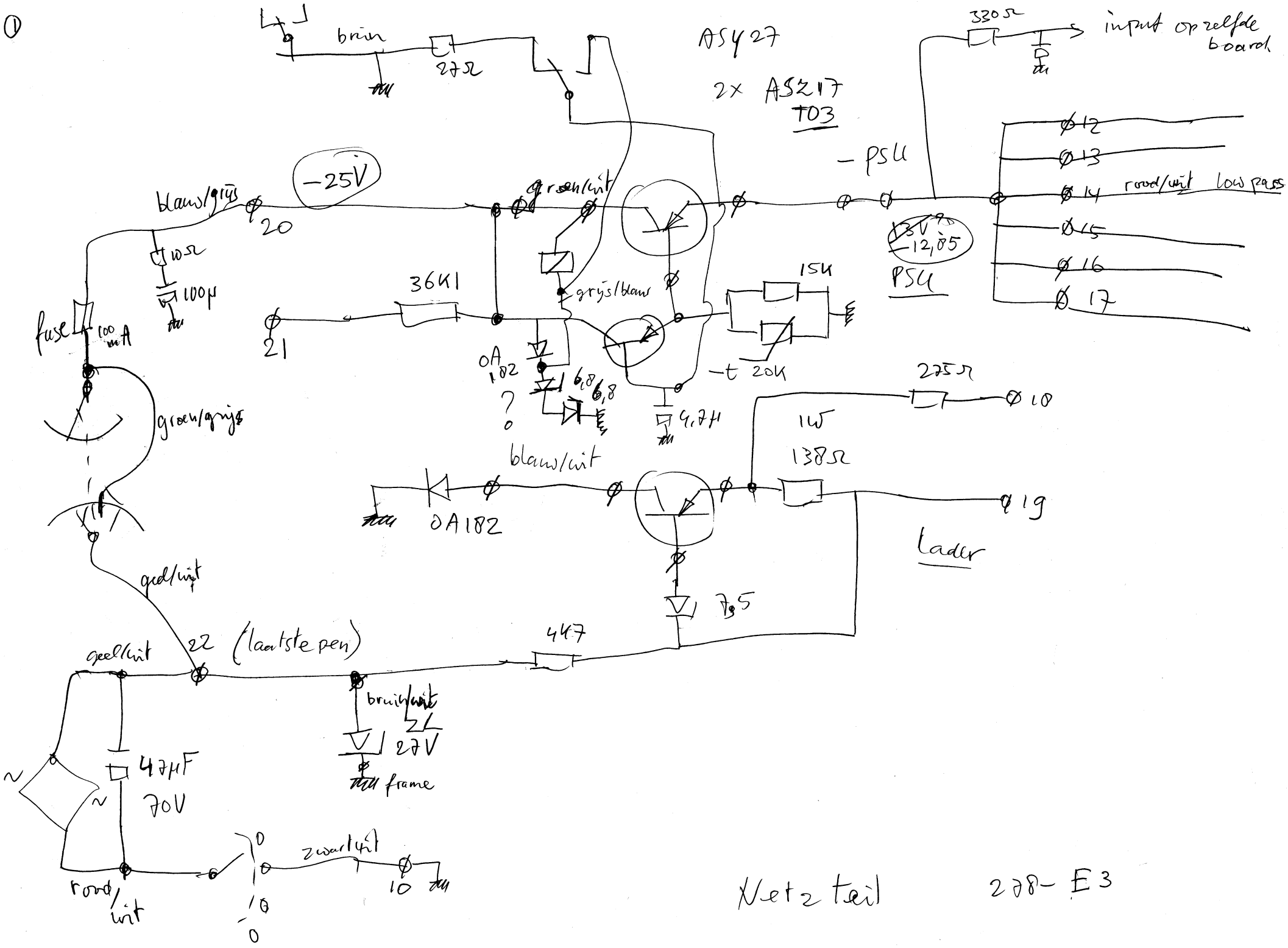
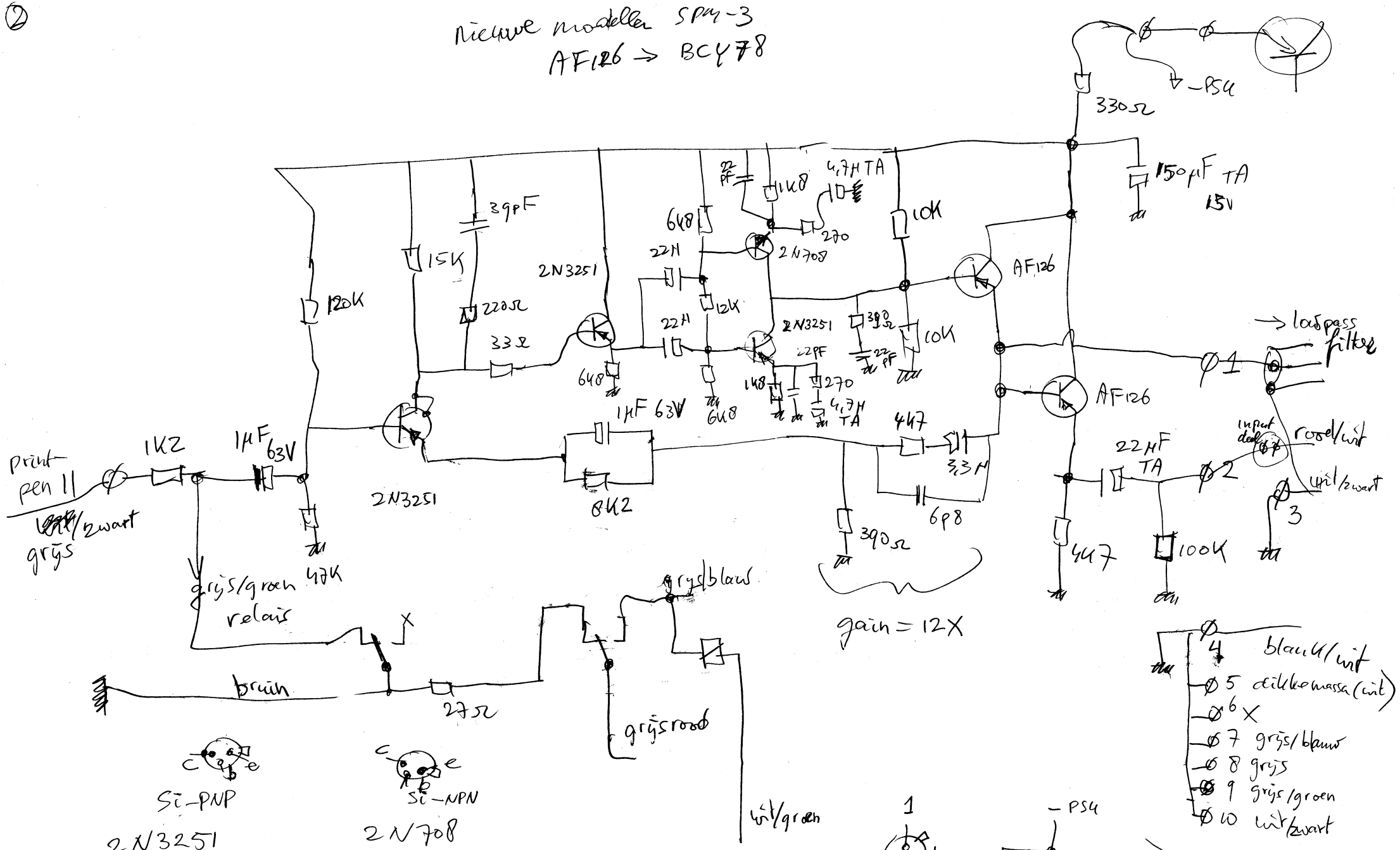
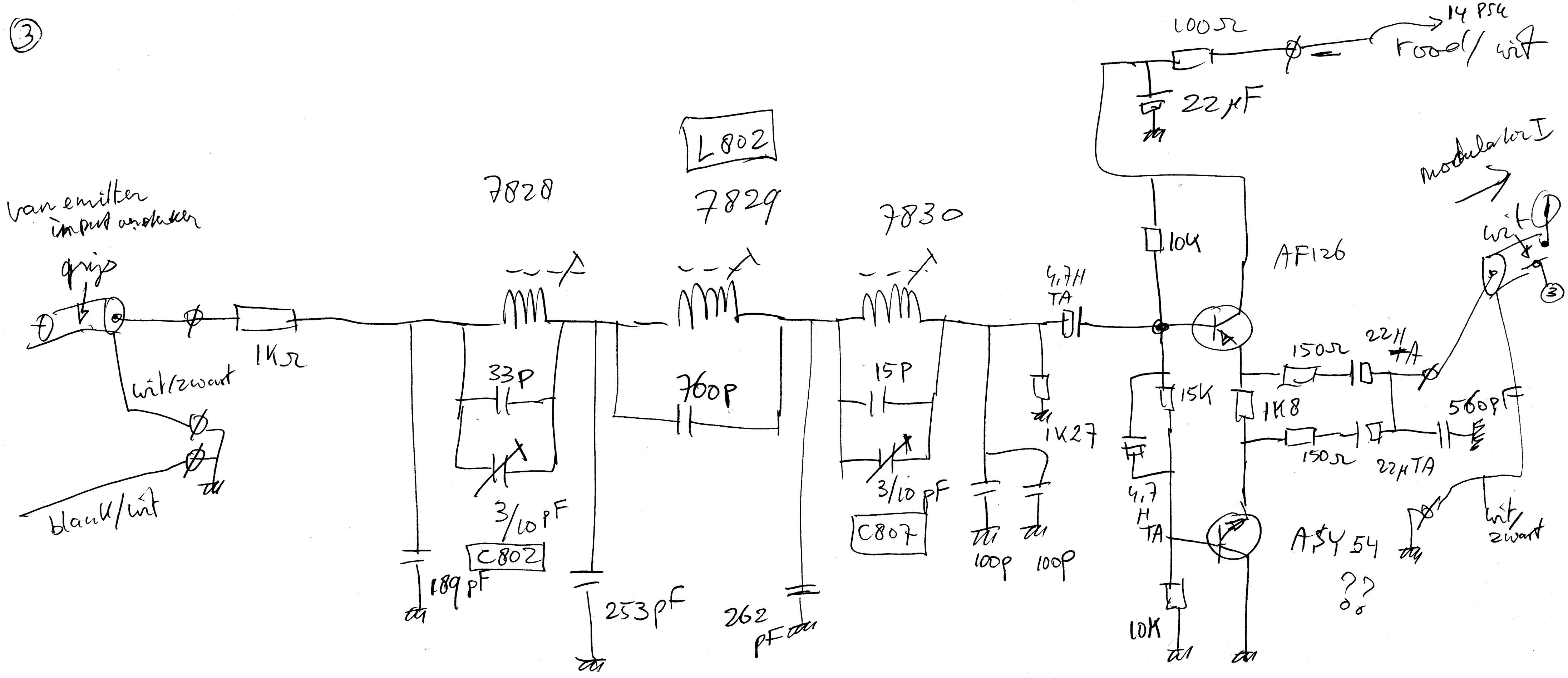

①
bruin
27Ω
AS427
2× AS217
TO3
330Ω
input op zelfde board
-PSU
-25V
blauw/grijs
20
groen/wit
12
13
14
rood/wit
low pass
15
16
17
-15V
-12,05
PSU
10Ω
100µ
fuse
100 mA
3641
grijs/blauw
154
21
OA 182
?
6,8
6,8
-t 20K
4,7µ
275Ω
10
groen/grijs
blauw/wit
1W
138Ω
OA182
19
Lader
geel/wit
BY5
22 (laatste pen)
447
geel/wit
bruin/wit
27
27V
frame
47µF
70V
zwart/wit
rood/wit
10
10
0
0
Netz teil
278-E3

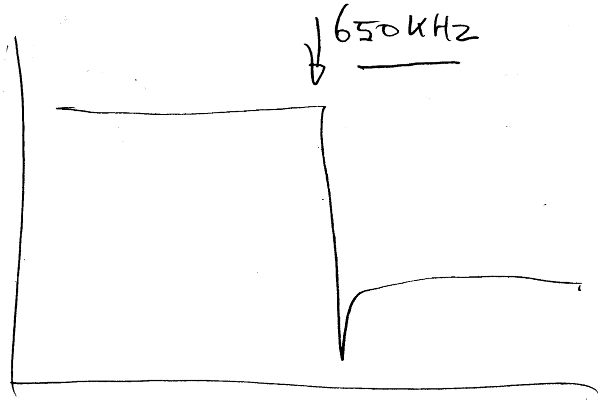
Nieuwe modellen SPM-3
AF126 → BCY78

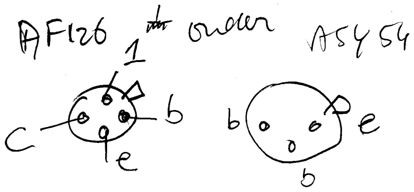


Eingangsversterker
278-E3

③





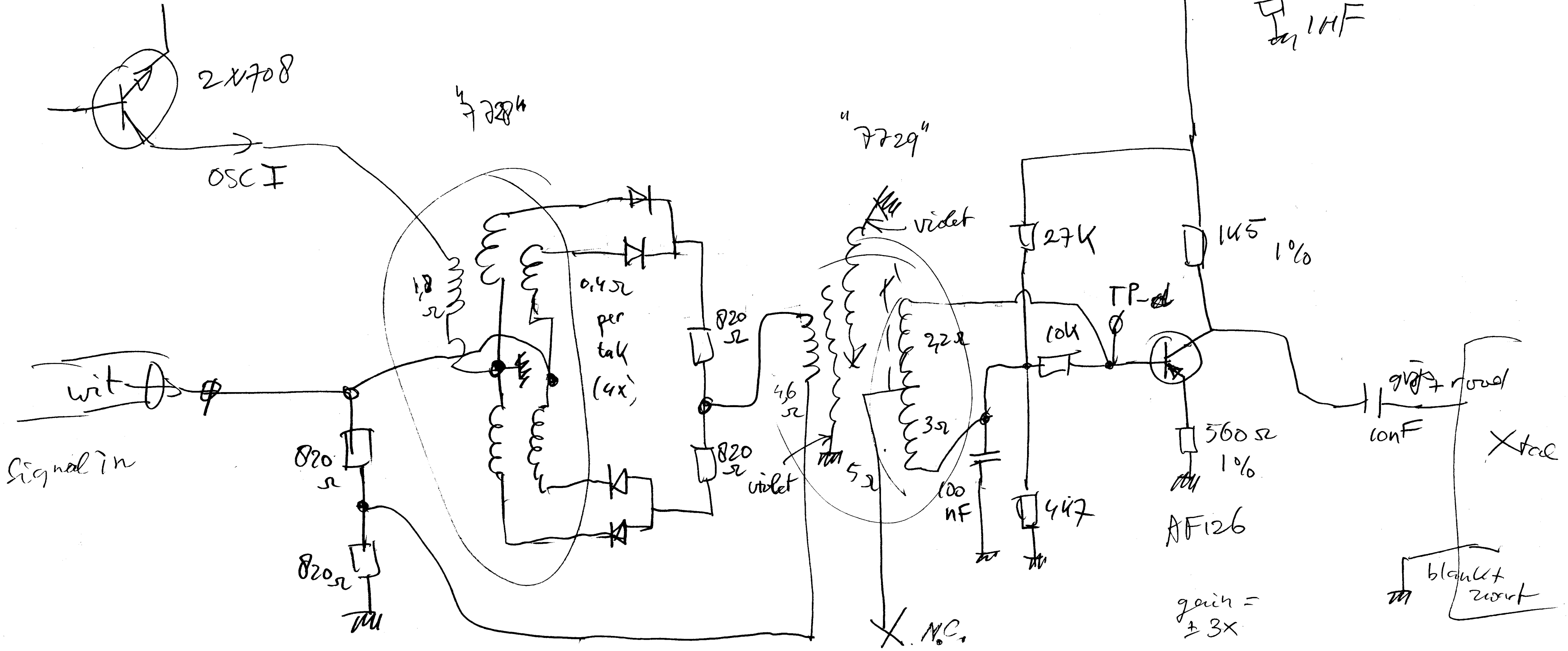


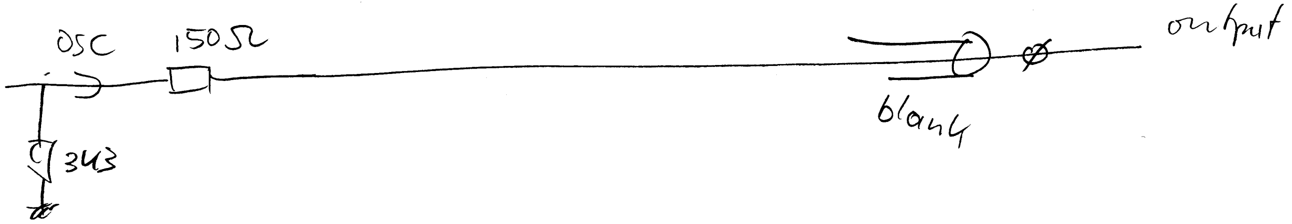
u278 4-H

Tiefpass und Trenn stufe

SPM-3

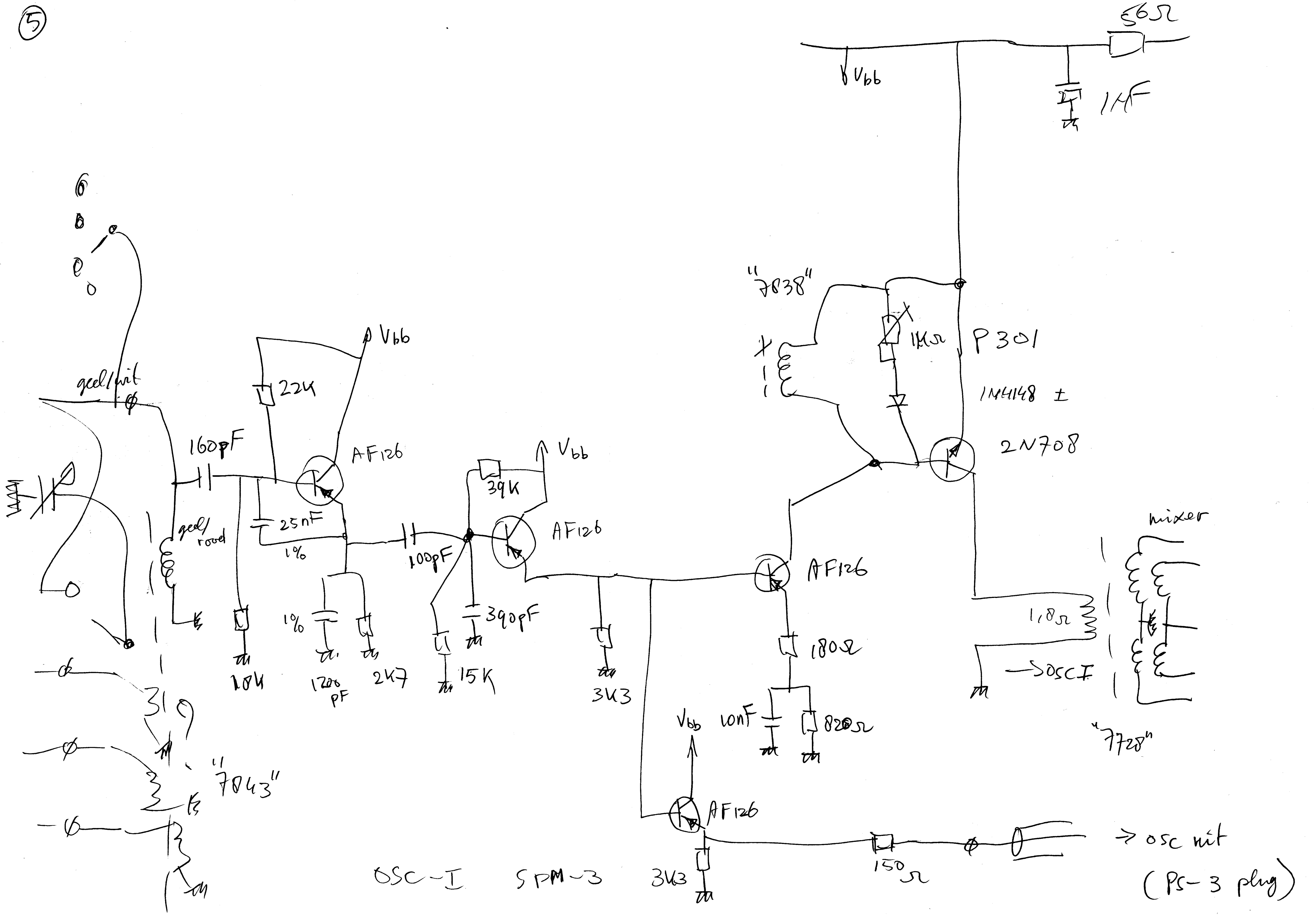
1e mixer



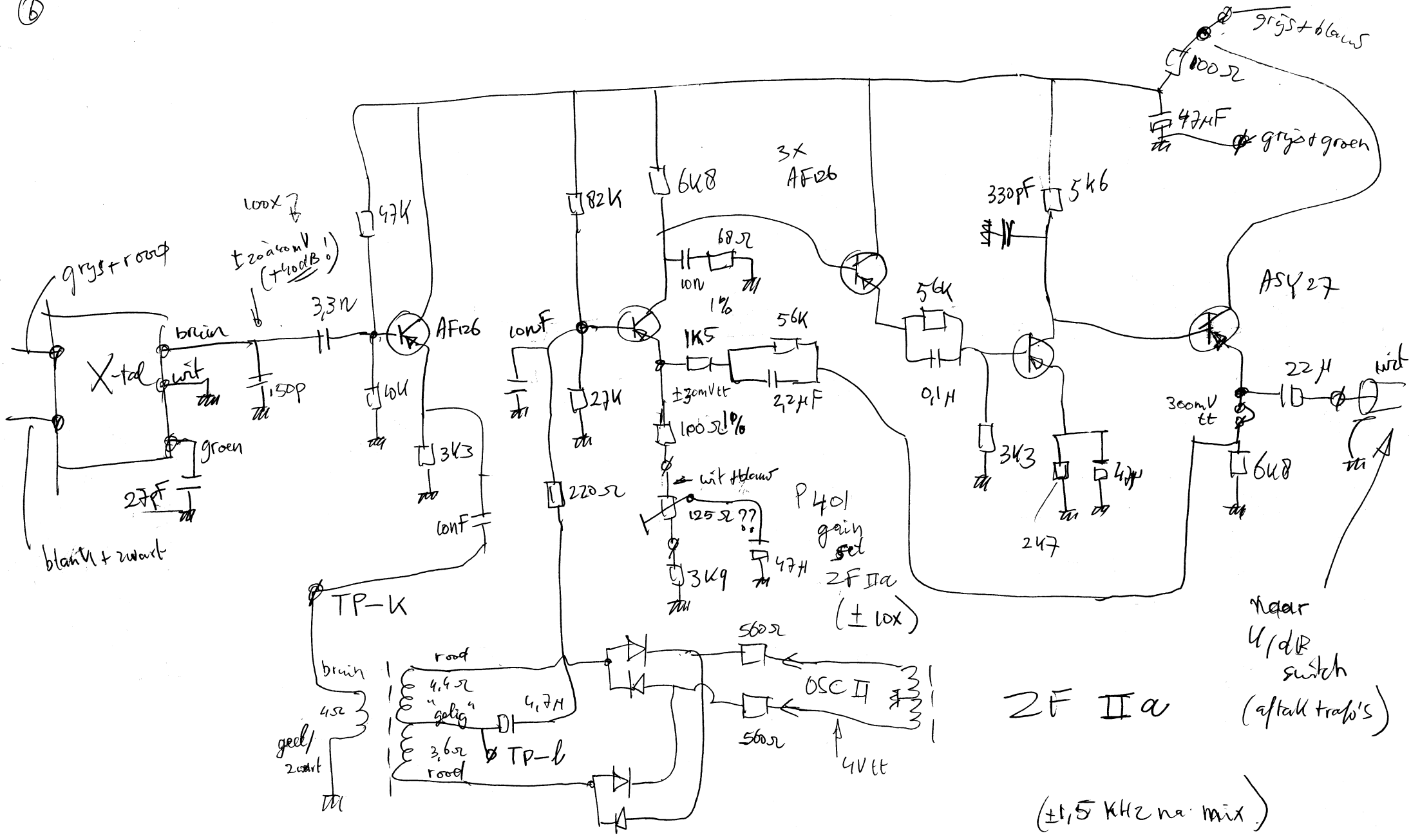


OSC I

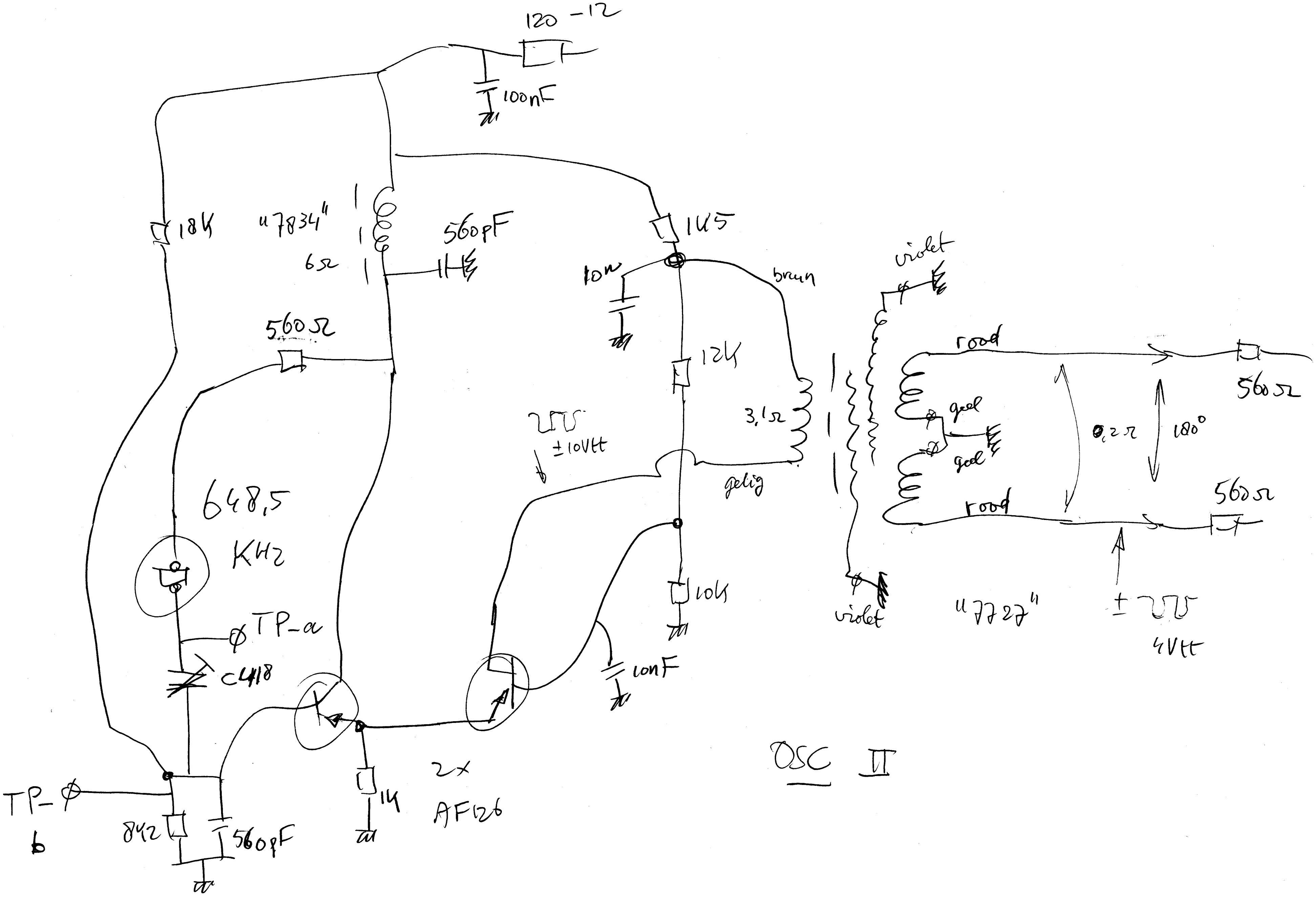
SPM-3


56Ω
Vbb
1μF
"7838"
1KΩ
P301
1N4148 ±
2N708
geel/wit
Vbb
22K
AF126
160pF
25nF
1%
geel/rood
AF126
39K
Vbb
100pF
390pF
AF126
mixer
1,8Ω
OSC I
180Ω
10K
1%
1200 pF
2K7
15K
3K3
10nF
820Ω
"7728"
"7843"
Vbb
AF126
→ osc uit
150Ω
(PS-3 plug)
3K3
OSC-I SPM-3

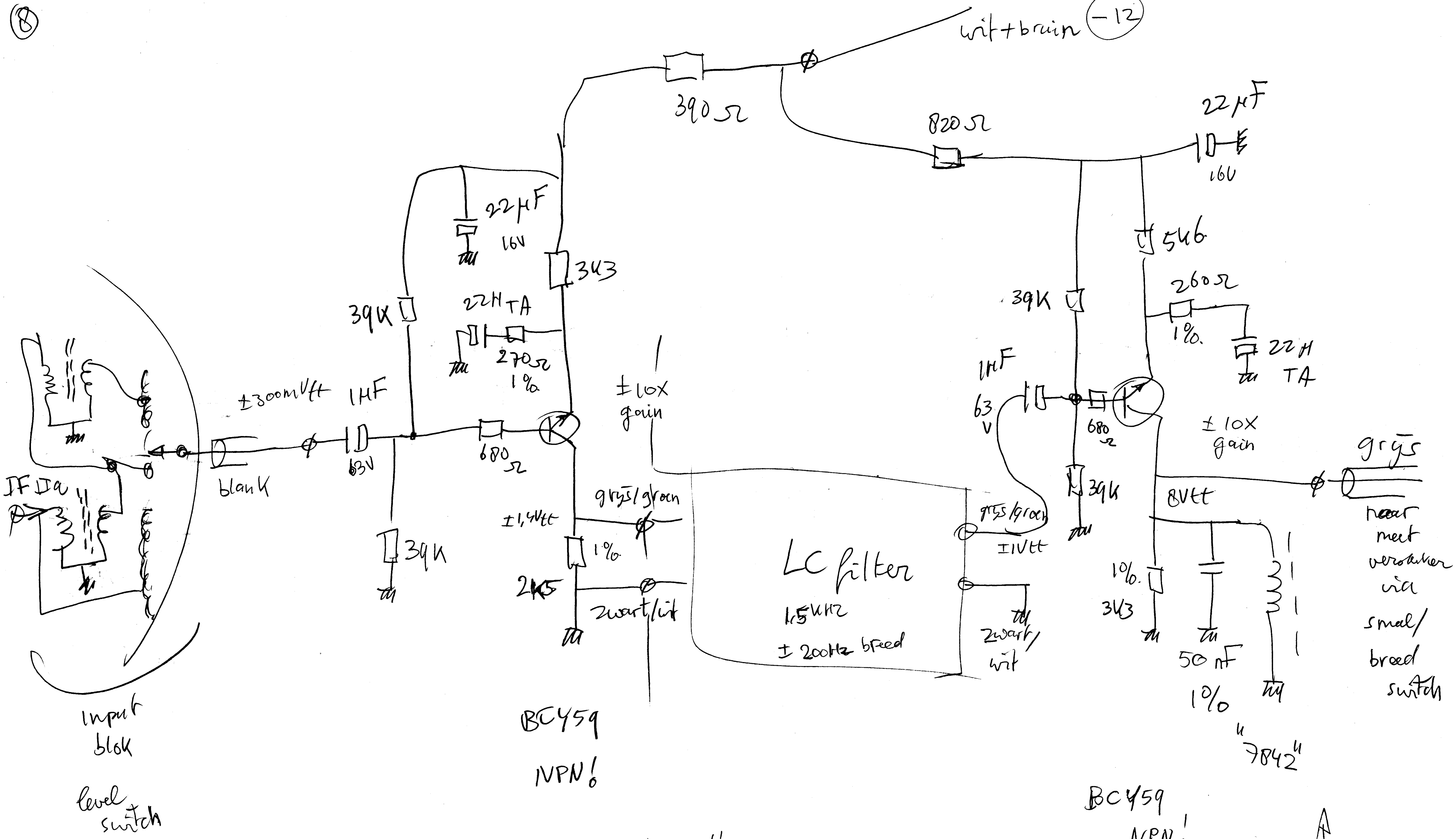
(6)



Volts n op gijkstand of stand breed! (100x meer nivo)


120 -12
100nF
18K
"7834"
6Ω
560pF
1K5
10nF
bruin
violet
560Ω
12K
rood
3,1Ω
geel
0,2Ω
180°
±10Vtt
gelig
648,5
KHz
TP-a
C418
10K
10nF
560Ω
violet
"7727"
±
4Vtt
TP-φ
b
8K2
560pF
1K
2x
AF126

OSC II



Un in stand breed! ok??
100x hoger

ZF II b

SPM-3

8Vtt na stand breed!

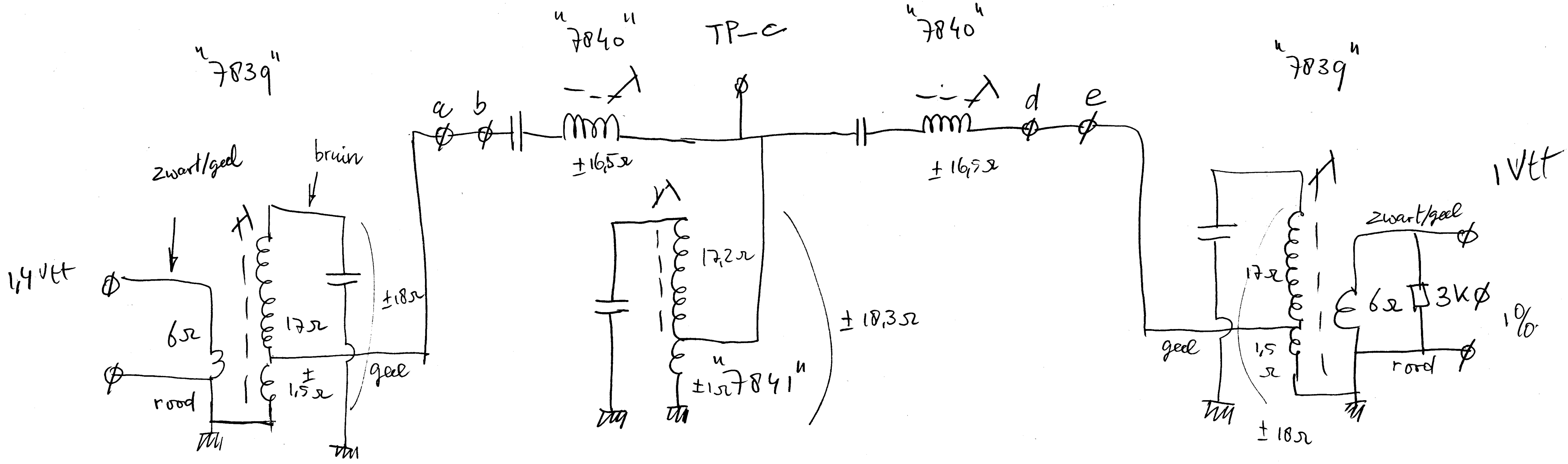
Smal en 44dB
= ± 80mV
100x minder

(9)

fres = ~~650~~ kHz → 1,1999 mH
1,5 kHz → 225,158 mH

Normaal Uv nivo erg laag.
in selectieve mode

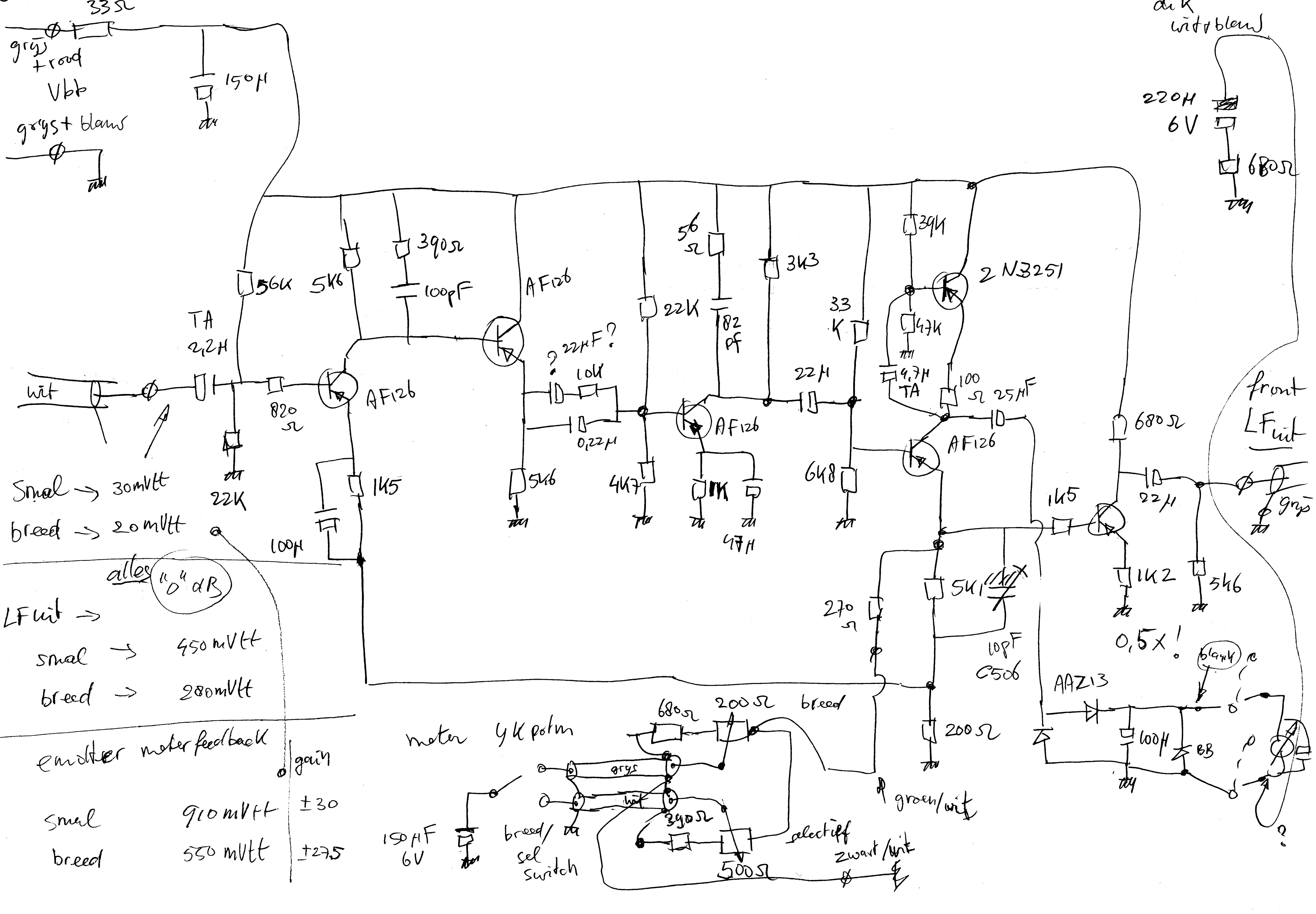
→ Gemeten Uv instand breed !! (schakeling = smal)
Dan nivo's veel hoger!
scheelt ± factor 100 hoger
(+40 dB)
dus nivo's normaal /100 !



C's → 5x 50 nF 1%.

$(1{,}5/17)^2 \times 225\,\text{mH} = 1{,}75$

LC filter 1,5 kHz
SPM-3



smal → 30mVtt

breed → 20mVtt

alles "0" dB

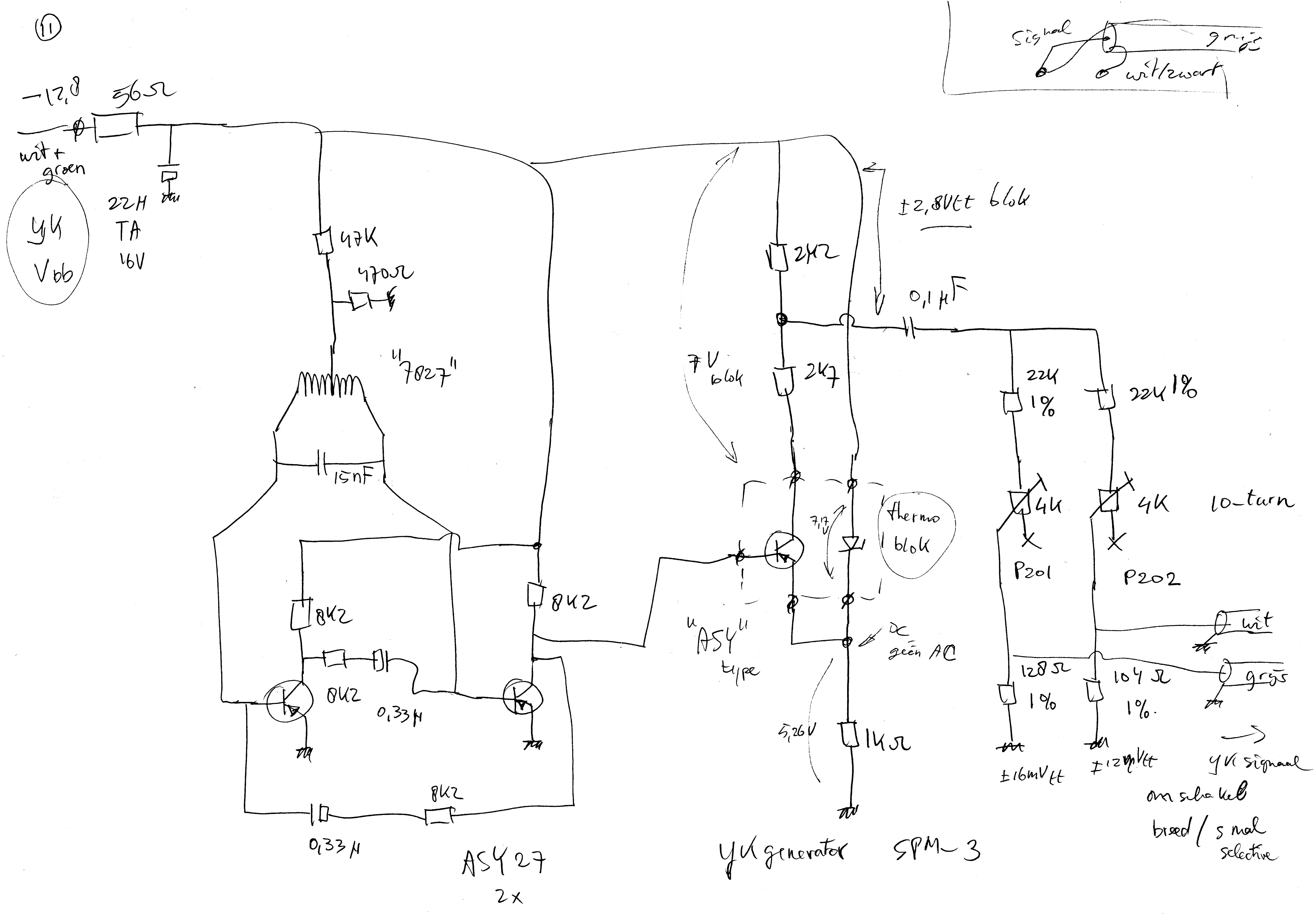
LF uit →

smal → 450mVtt

breed → 280mVtt

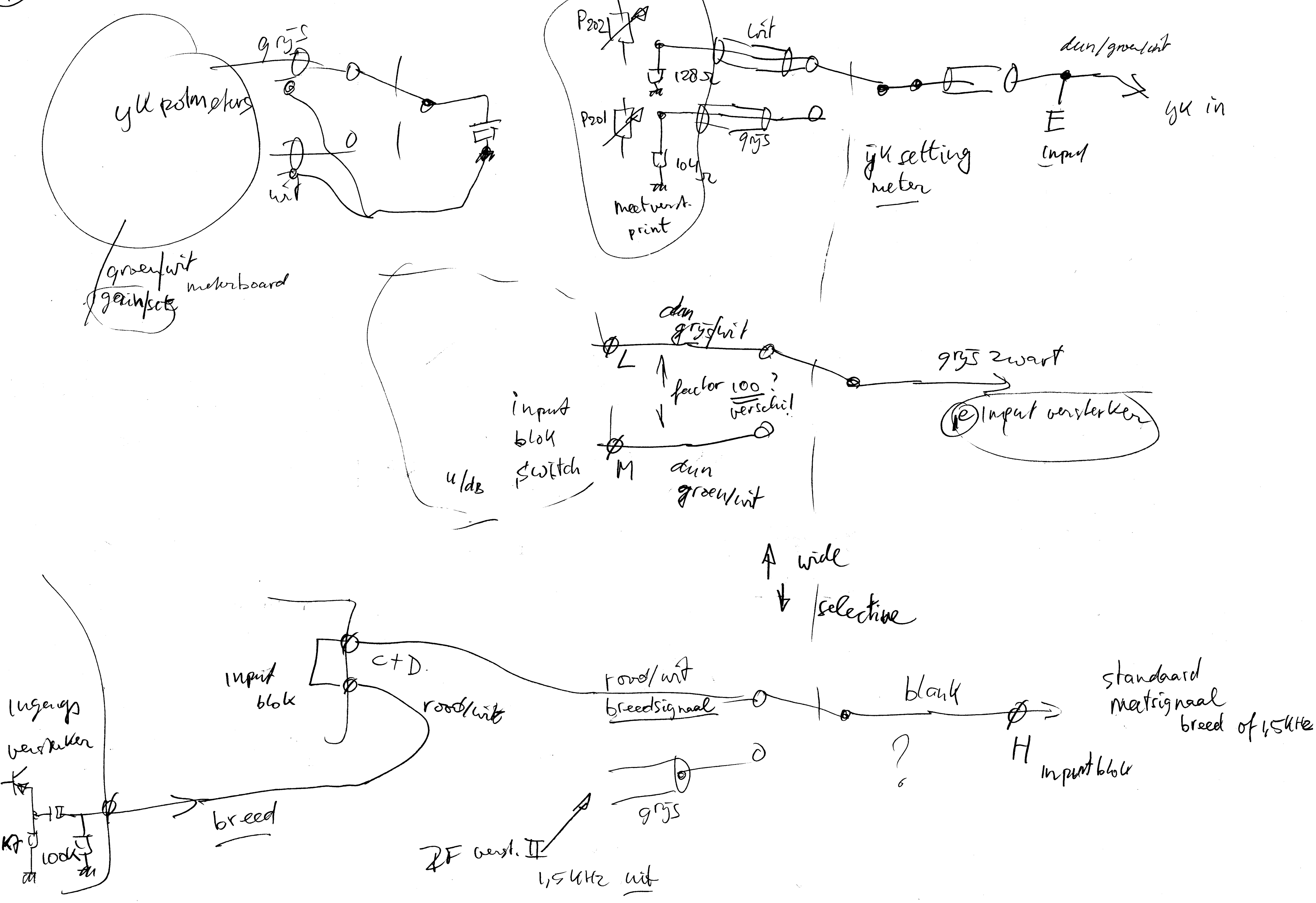
emitter meterfeedback

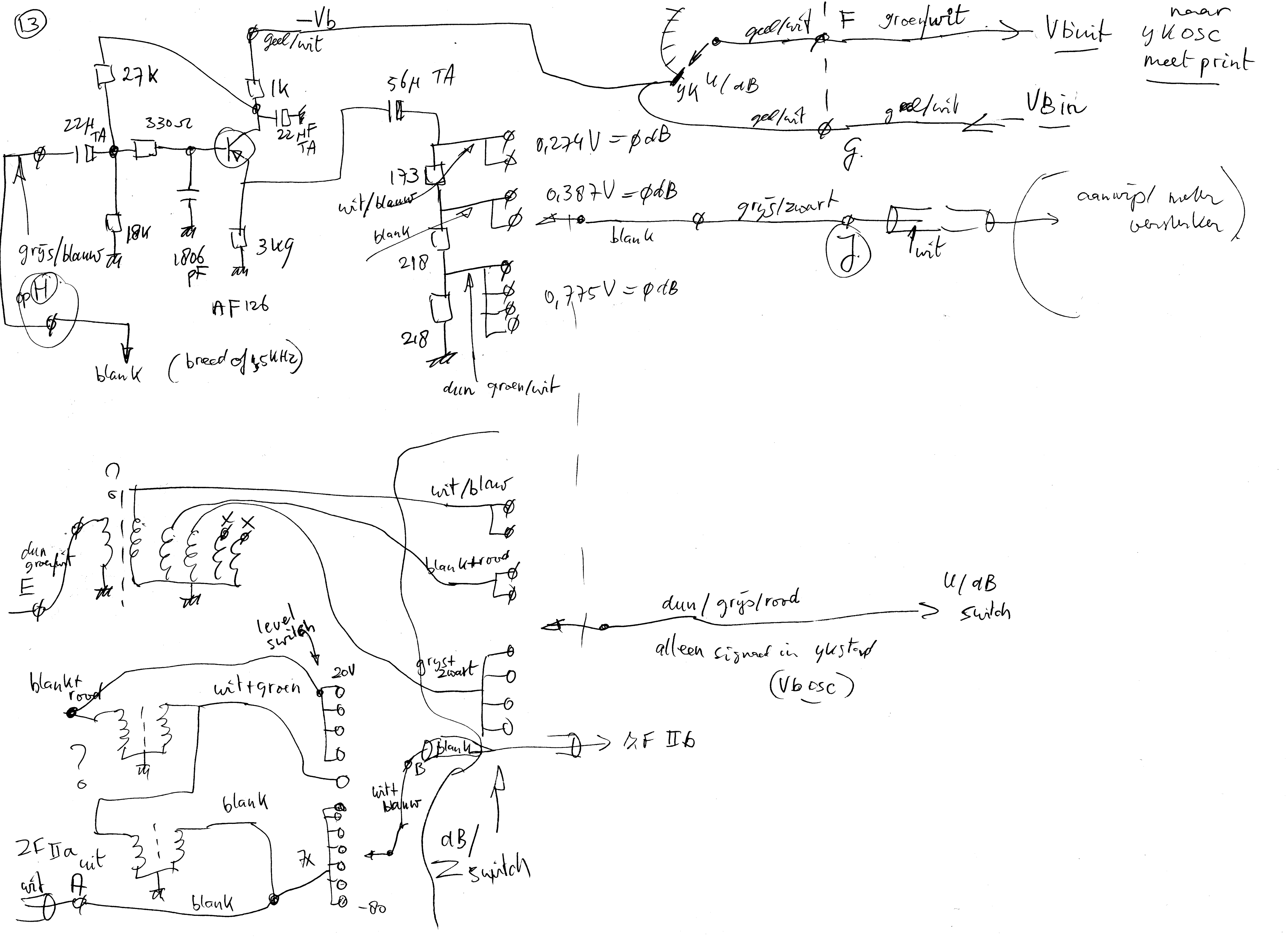
		gain
smal	910mVtt	±30
breed	550 mVtt	±27,5

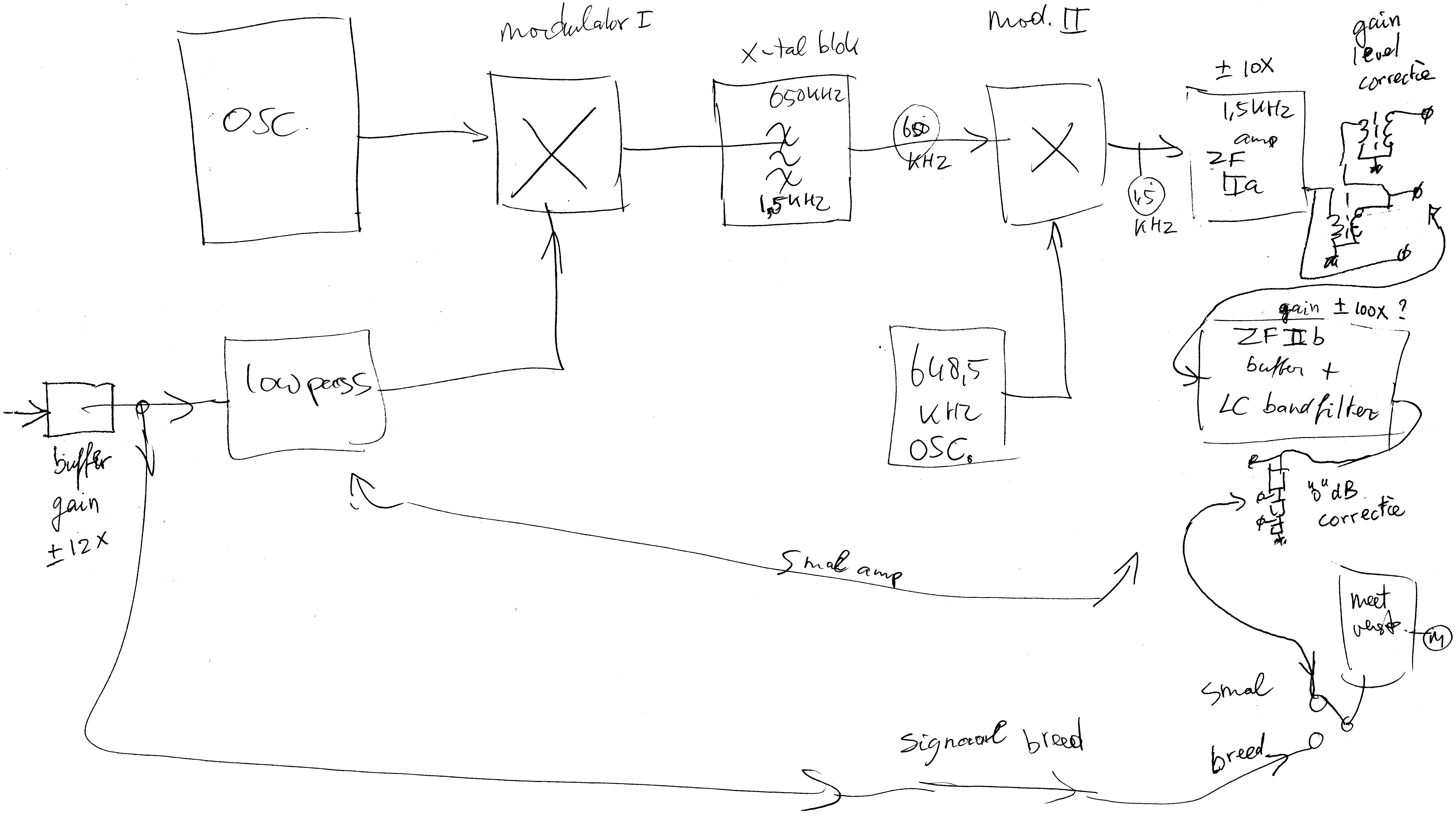


signal
grijs
wit/zwart
-12,8
56Ω
wit + groen
YK
Vbb
22H
TA
16V
47K
470Ω
"7827"
15nF
8K2
8K2
0,33µ
8K2
8K2
0,33µ
ASY 27
2x
±2,8Vtt blok
2K2
0,1µF
7V blok
2K7
thermo blok
"ASY" type
DC geen AC
5,26V
1KΩ
22K 1%
22K 1%
4K
4K
10-turn
P201
P202
wit
grijs
128Ω 1%
104Ω 1%
±16mVtt
±12mVtt
YK signaal
omschakel breed / smal selective
YK generator SPM-3

12


grijs
yk potmeters
wit
groen/wit
gain/set
meterboard
P202
128Ω
P201
104Ω
wit
grijs
meetverst. print
dun/groen/wit
yk in
E
input
yk setting meter
dun grijs/wit
L
factor 100? verschil
grijs zwart
e input versterker
input blok switch
u/dB
M
dun groen/wit
wide
selective
input blok
C+D
rood/wit
rood/wit
breedsignaal
blank
standaard meetsignaal breed of 1,5kHz
H
input blok
?
ingangs versterker
4k7
100k
breed
grijs
RF verst. II 1,5kHz uit


-Vb
geel/wit
27K
1K
22µ TA
330Ω
22µF TA
56µ TA
18K
1806 pF
3K9
AF126
grijs/blauw
H
blank (breed of 15KHz)
173
wit/blauw
blank
218
218
dun groen/wit
0,274V = 0dB
0,387V = 0dB
0,775V = 0dB
blank
grijs/zwart
J
wit
aanwijs/meter versterker
geel/wit
F
groen/wit
Vb uit
naar yk osc meet print
yk U/dB
geel/wit
geel/wit
Vb in
G
dun groen/wit
E
wit/blauw
blank+rood
dun/grijs/rood
U/dB switch
alleen signaal in ykstand (Vb osc)
level switch
20V
blank+rood
wit+groen
grijs+zwart
blank
B
wit+blauw
ZF IIb
blank
ZF IIa uit
wit
A
blank
7K
-80
dB/Z switch


OSC
modulator I
X-tal blok
650kHz
1,5kHz
650 kHz
Mod. II
1,5 kHz
±10X
1,5kHz amp
ZF IIa
gain level correctie
gain ±100X ?
ZF IIb buffer + LC bandfilter
"0" dB correctie
meet verst.
M
smal
breed
signaal breed
Smal amp
648,5 kHz OSC.
lowpass
buffer gain ±12X