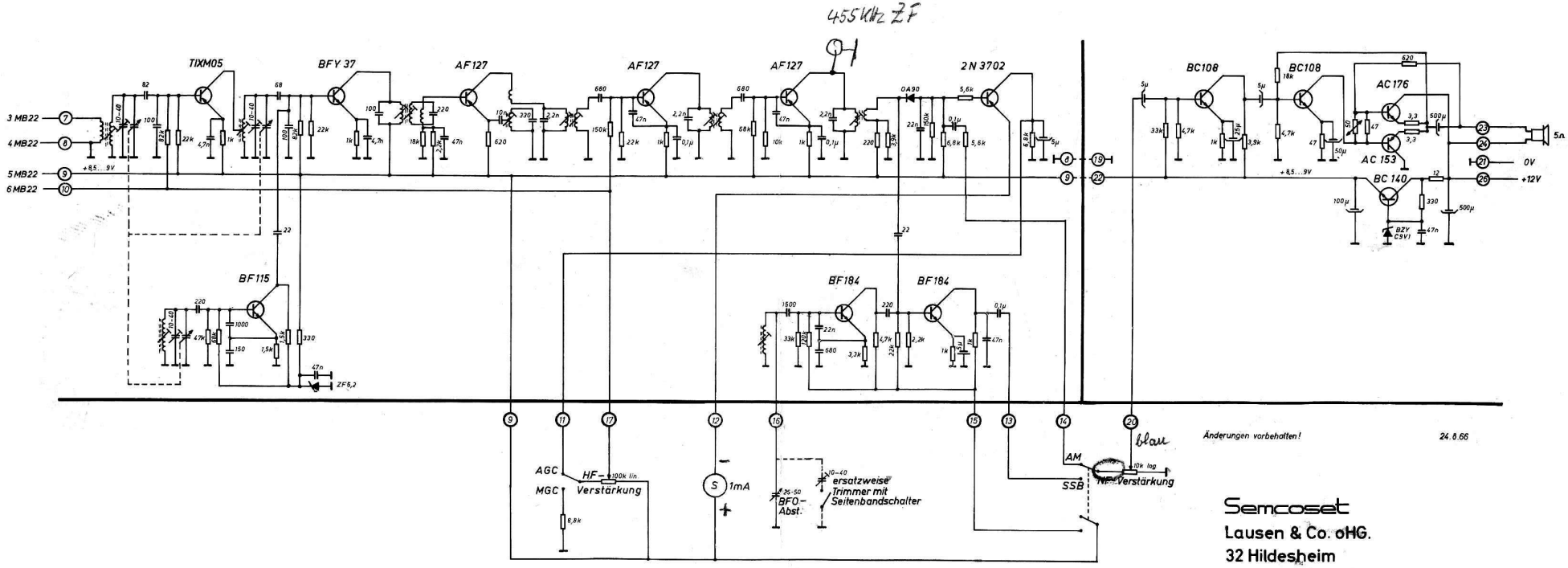
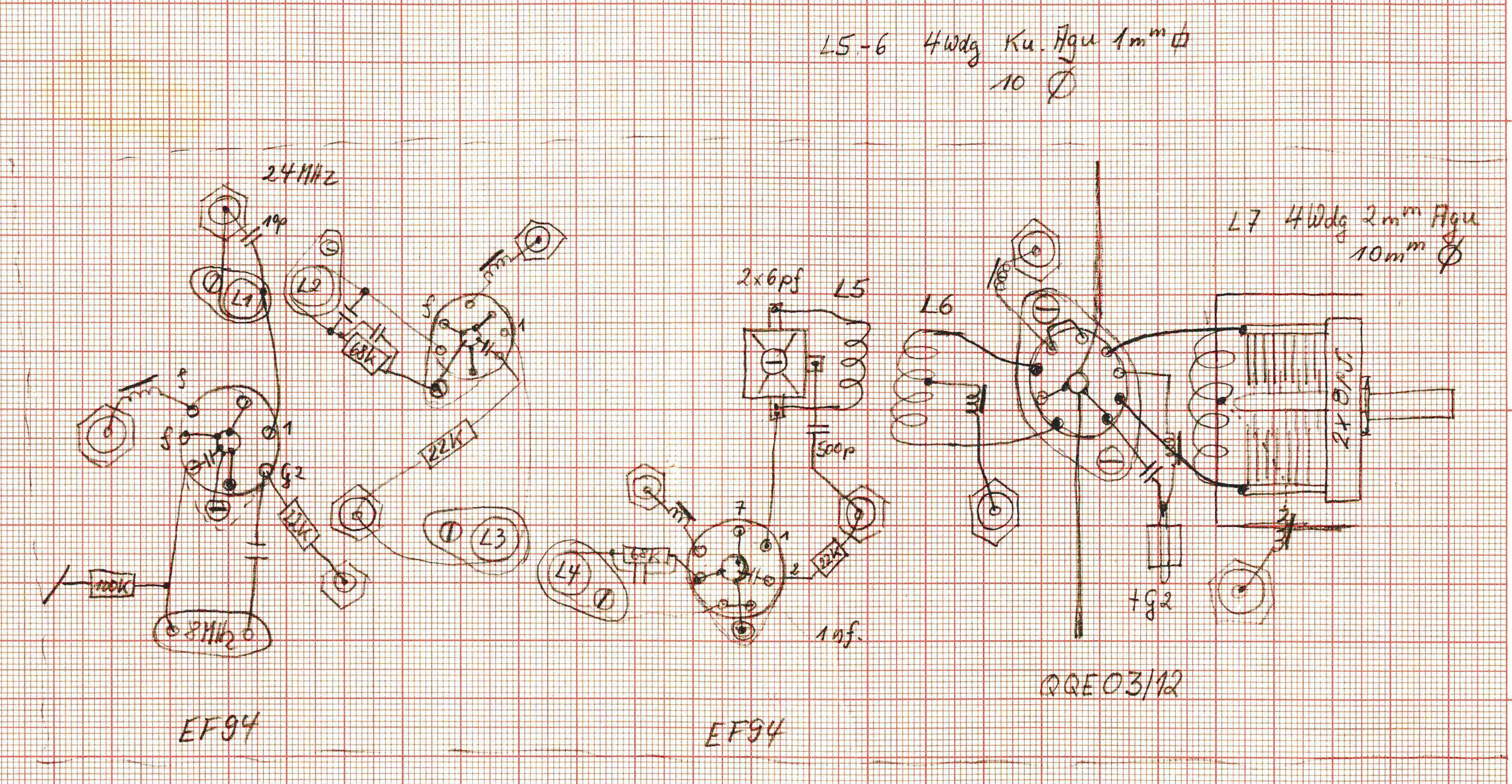
10 m-Transistor AM/SSB-Empfängerbaustein MB 103
2m -Transistor-Konverter-Nachsetzer



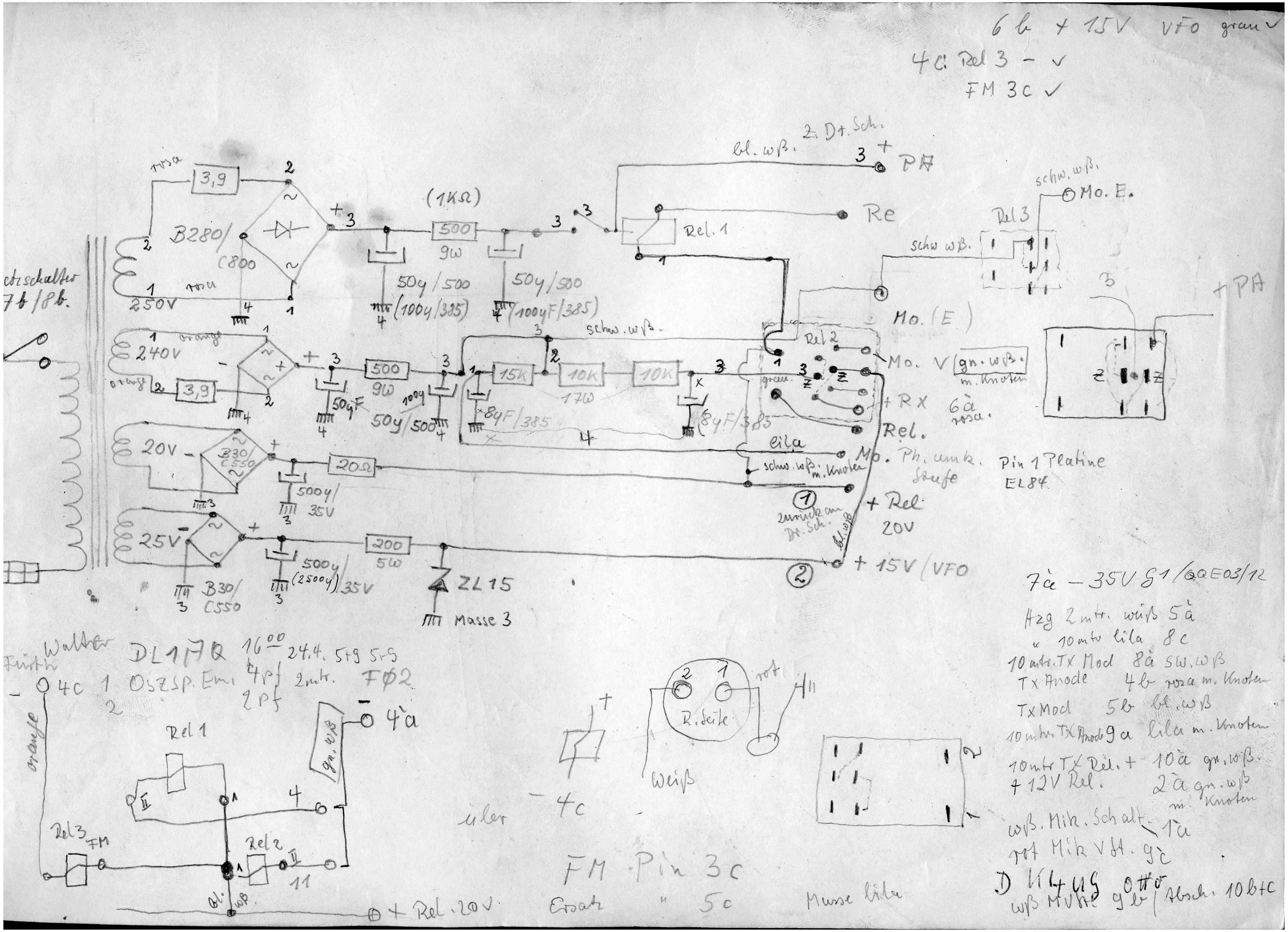
Änderungen vorbehalten!

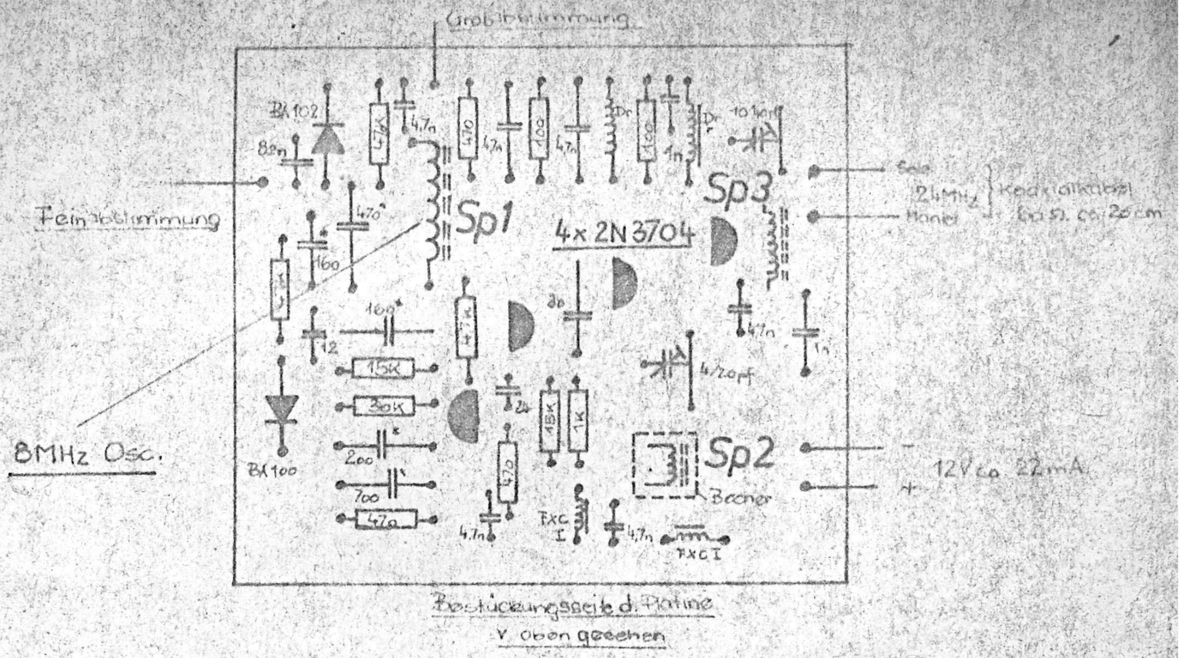
24.8.66

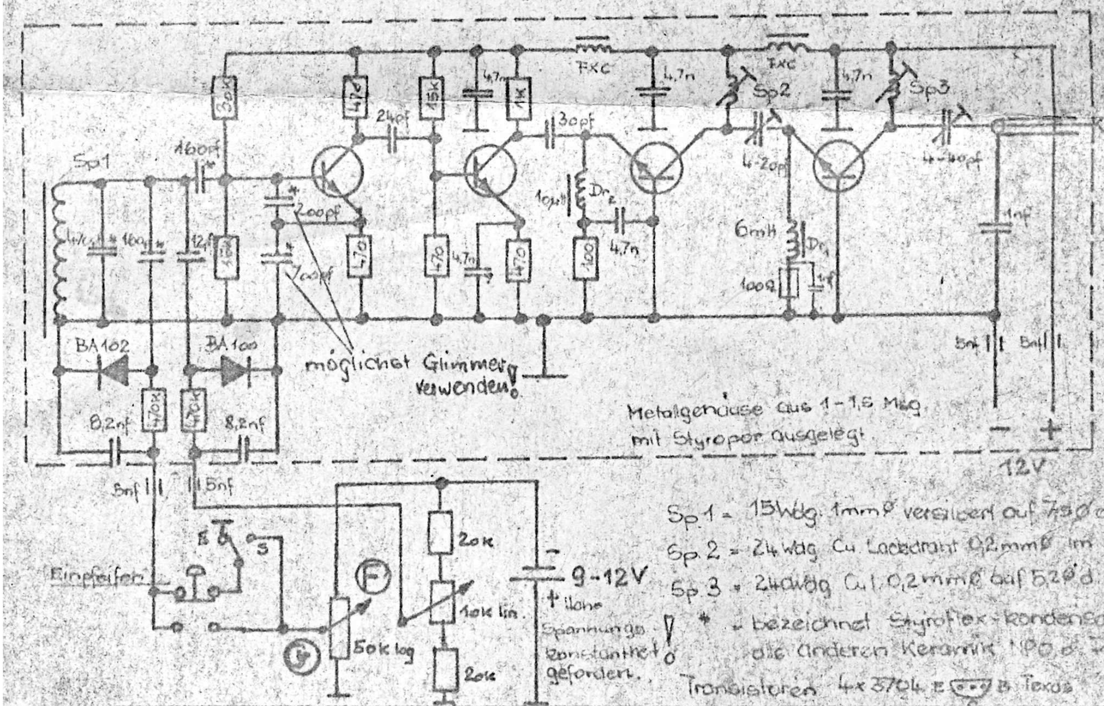
Semcoset
Lausen & Co. oHG.
32 Hildesheim
Postfach 1165



L5-6 4Wdg Ku. Agu 1mm Ø
10 Ø
24MHz
1p
L1
L2
68k
22k
12k
100k
8MHz
g2
L3
L4
68k
22k
EF94
2x6pf
L5
500p
1nf.
EF94
L6
L7 4Wdg 2mm Agu
10mm Ø
2x8pf
+g2
QQE03/12


6 b + 15V VFO grau ✓
4c: Rel 3 – ✓
FM 3c ✓
bl. wß. 2. Dt. Sch.
3 + PA
Re
Rel. 1
schw. wß.
Mo. E.
Rel 3
schw wß.
+ PA
Mo. (E)
Rel 2
Mo. V
gn. wß. m. Knoten
+ RX
6à rosa.
Rel.
lila
Mo. Ph. umk. Stufe
schw. wß. m. Knoten
Pin 1 Platine EL84
+ Rel 20V
+ 15V (VFO
rosa
3,9
B280/ C800
250V
(1KΩ)
500
9W
50y/500
(100y/385)
50y/500
(100yF/385)
240V
orange
3,9
500
9W
50yF
50y/500
15K
10K
10K
17W
8yF/385
8yF/385
20V
B30/ C550
20Ω
500y/ 35V
25V
B30/ C550
200
5W
500y/ (2500y) 35V
ZL15
Masse 3
7b/8b.
Walter DL1FQ 16.00 24.4. 5+9 5+5
Fürth
4c 1 Oszsp. Em. 4pf 2mtr. FØ2
2 2pf
4à
Rel 1
gn. wß
Rel 3 FM
Rel 2
orange
+ Rel. 20V
Ersatz " 5c
FM Pin 3c
Masse lila
Weiß
rot
R. Seite
– 4c
7à – 35V G1/QQE03/12
Hzg 2 mtr. weiß 5à
" 10 mtr lila 8c
10 mtr. TX Mod 8à sw. wß
TX Anode 4b rosa m. Knoten
TX Mod 5b bl. wß
10 mtr TX Anode 9a lila m. Knoten
10 mtr TX Rel. + 10à gn. wß.
+ 12V Rel. 2à gn. wß m. Knoten
wß. Mik. Schalt. 1à
rot Mik Vst. gc
D KL4US otto
wß Mvbr gb / Absch. 10b+c





Sp 1 = 15Wdg. 1mm Ø versilbert auf 7,5 Ø der Spule
Sp 2 = 24 Wdg. Cu Lackdraht 0,2mm Ø im Becher auf 5,2 Ø
Sp 3 = 24 Wdg. Cu L 0,2 mm Ø auf 5,2 Ø d. Spule
* = bezeichnet Styroflex-Kondensatoren
die anderen Keramik NPO o. P100
Transistoren 4x 3704 E B Texas

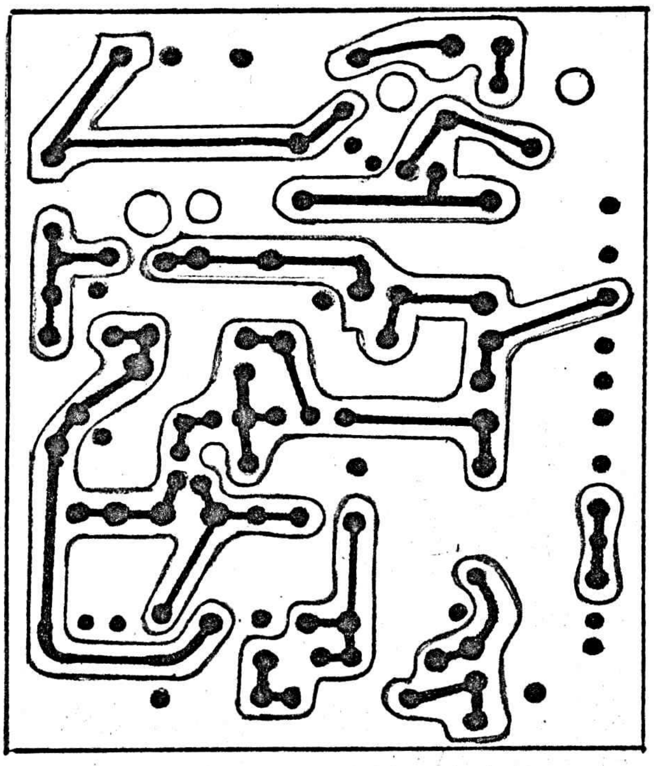
HF	Eisenkerne		
2,3	Gw 4/13 x 0,5	Fe Tu	rot 6-60MHz
1	Gw 7/16 x 0,75	Fe Tu	rot 6-60MHz
2	Dämpfungsperlen mit 3 Wdg Valvo 3,5 Ø 5 mm länge		
Dr 1	Drossel 6 µH		
Dr 2	" 10 µH		
Ausgabe	Änderung	Tag	Name

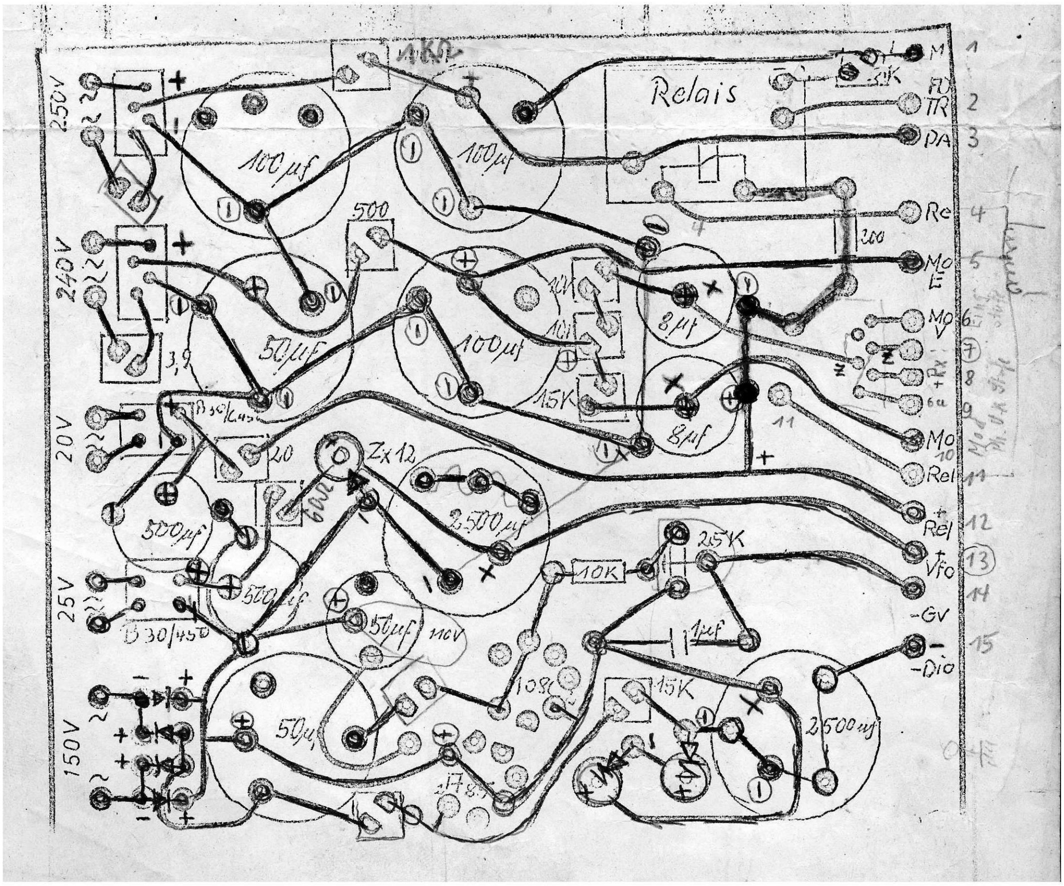
Freimaßtoleranzen	Tag	Name
Bearb.	17.10.68	Barsch DL8UX
Gepr.		
Norm.		

24 Mhz Vfo

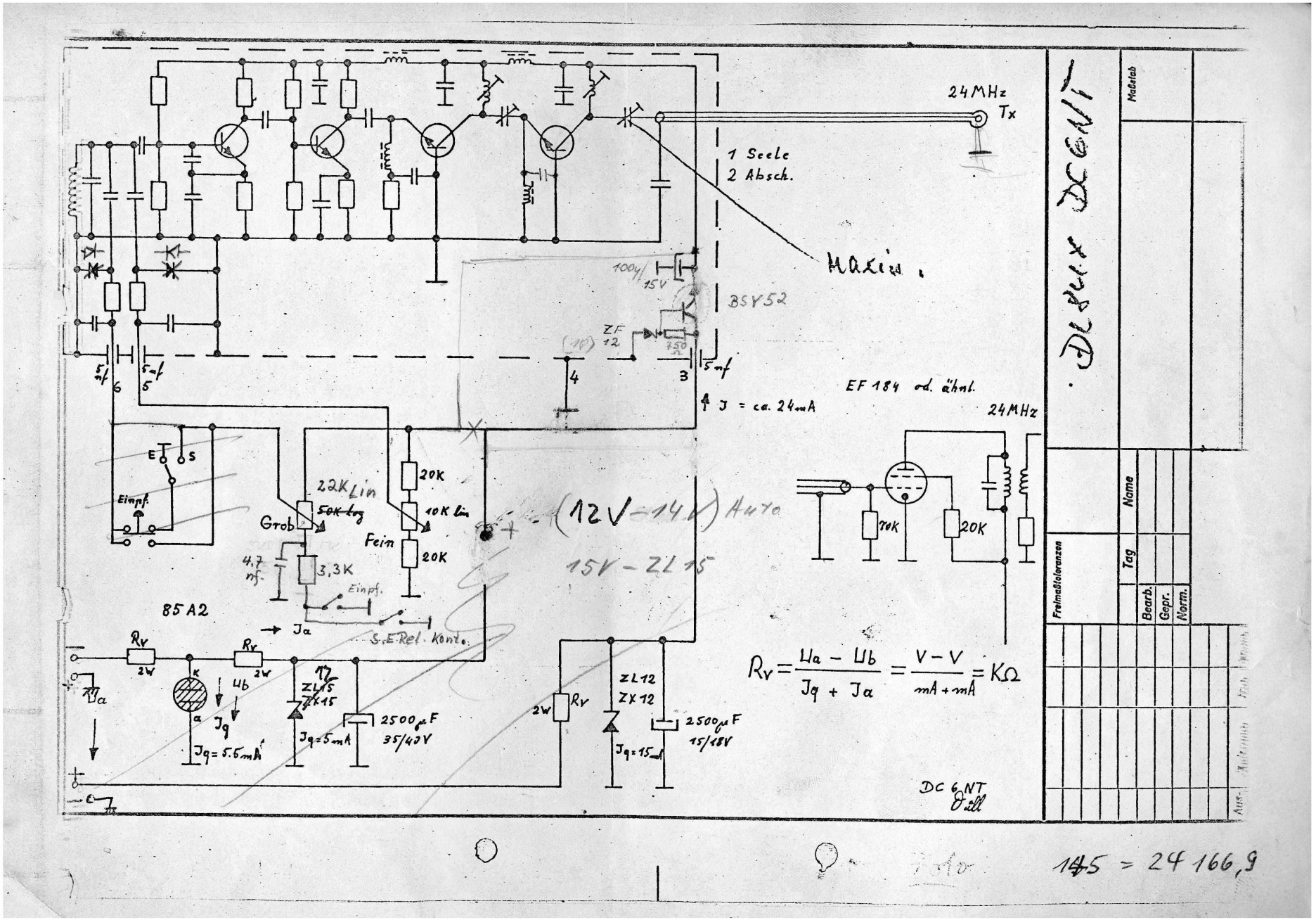
DC6NT DL8UX

Maßstab

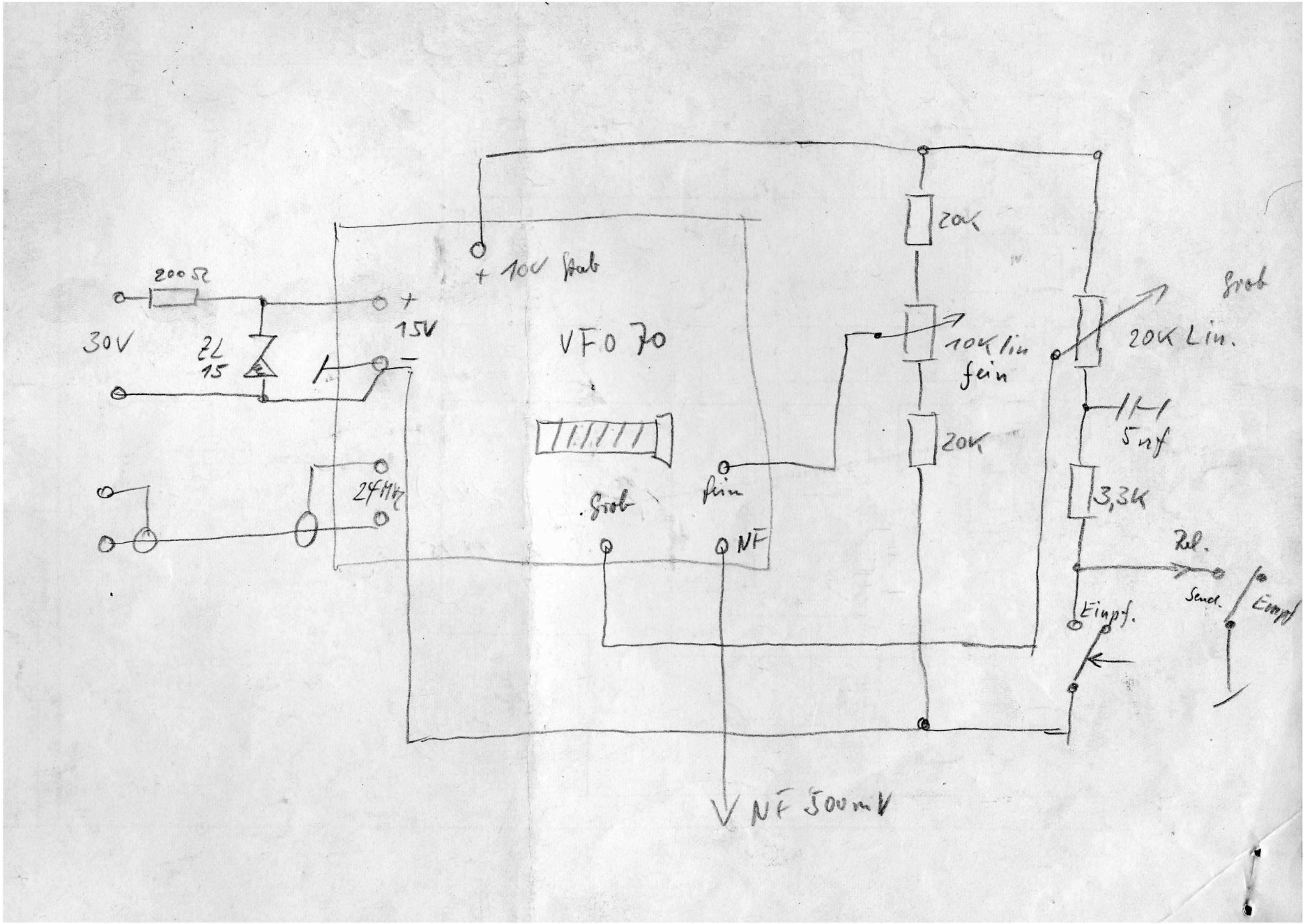


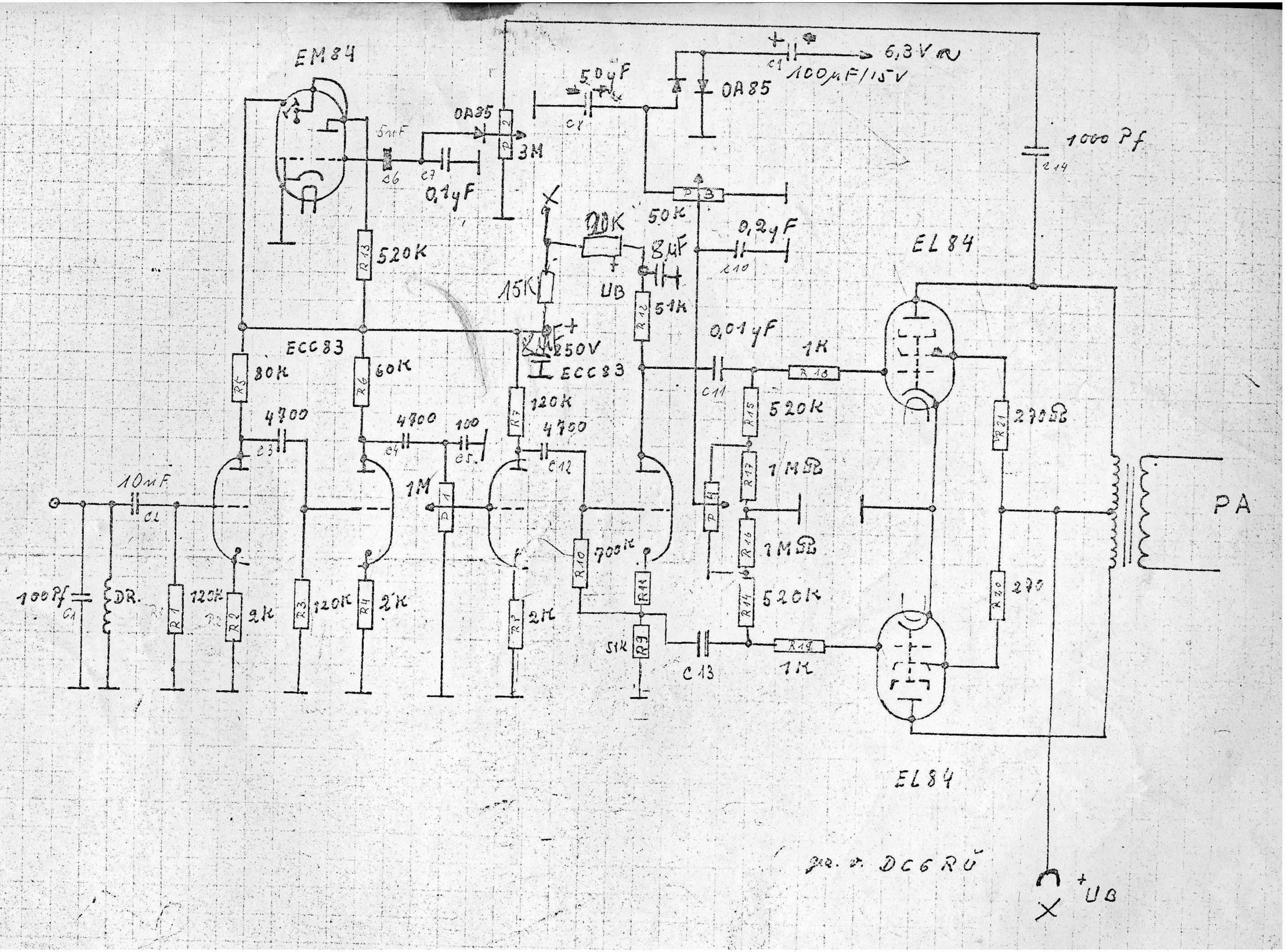


250V
240V
20V
25V
150V
Relais
100µf
100µf
500
50µf
100µf
10K
15K
8µf
8µf
3,9
20
Zx12
2,500µf
500µf
500µf
50µf
10K
25K
1µf
15K
2500µf
M 1
TR 2
PA 3
Re 4
Mo E 5
Mo V 6
7
8
9
Mo 10
Rel 11
Rel 12
Vfo 13
14
-Gv
-Dio 15

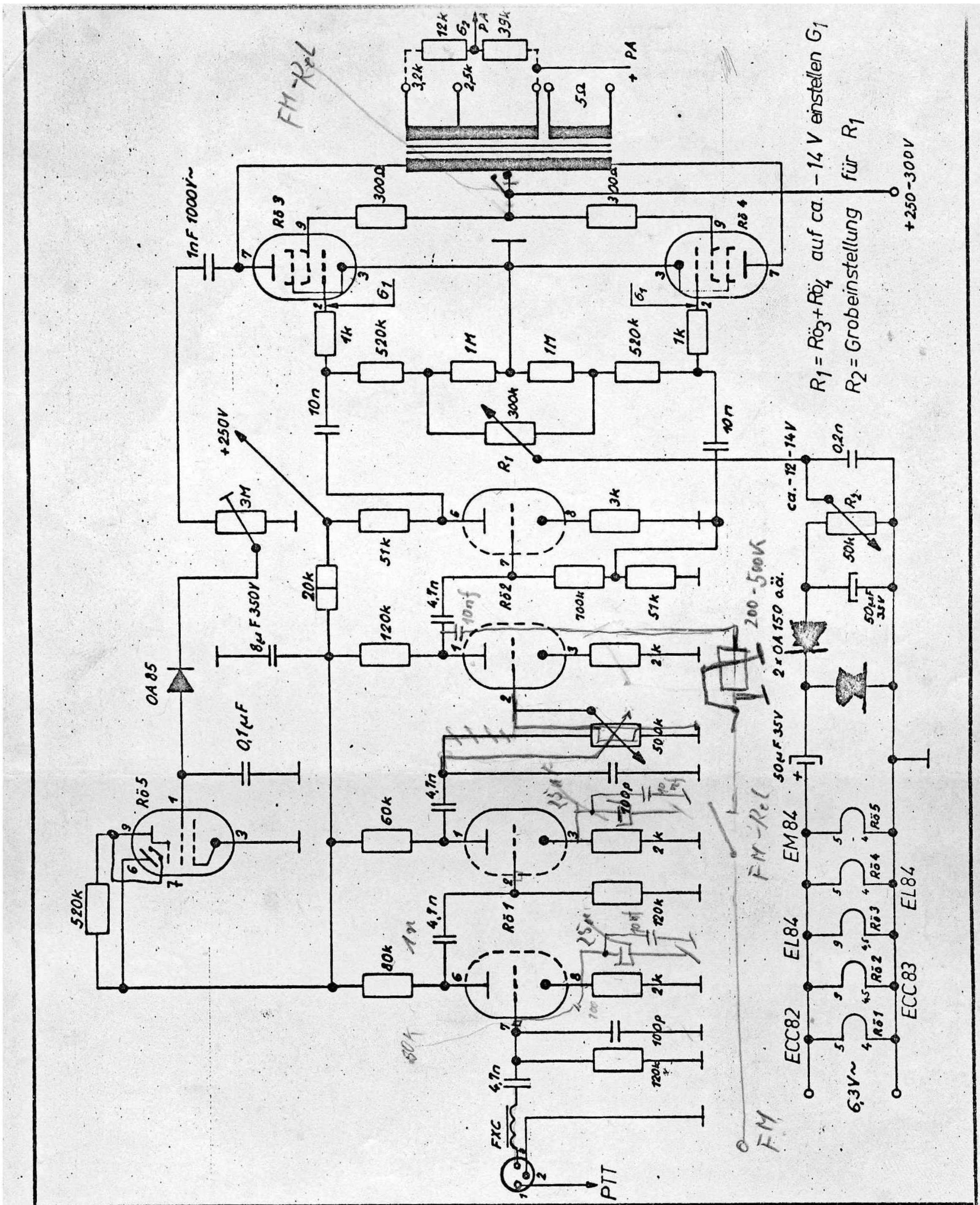

24MHz
Tx
1 Seele
2 Absch.
Masse
100µ/15V
BSY52
ZF 12
150
5nf
EF 184 od. ähnl.
J = ca. 24mA
24MHz
70K
20K
E
S
Einpf.
22K Lin
50K log
Grob
Fein
10K Lin
20K
20K
4,7 nf.
3,3K
Einpf.
85A2
Ja
S.E.Rel. Kont.
Rv
2W
Ua
Ub
Jq
Jq=5.6mA
ZL15
ZX15
Jq=5mA
2500µF
35/40V
ZL12
ZX12
Jq=15mA
2500µF
15/18V
(12V–14V) Auto
15V – ZL15
$R_V = \frac{U_a - U_b}{J_q + J_a} = \frac{V - V}{mA + mA} = K\Omega$
DC 6 NT
Maßstab
Name
Tag
Bearb.
Gepr.
Norm.
Freimaßtoleranzen

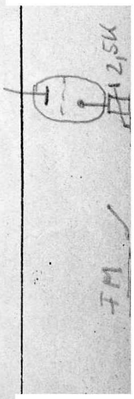
145 = 24 166,9


200 Ω
30V
ZL 15
+ 15V
−
+ 10V Stab
VFO 70
24MHz
Grob
fein
NF
20K
10K lin fein
20K
20K Lin.
Grob
1µ / 5nf
3,3K
Rel.
Send.
Empf.
Eingf.
NF 500mV



EM84
ECC83
ECC83
EL84
EL84
6,3V
100µF/15V
OA85
OA85
50µF
1000 Pf
0,1µF
3M
520K
50K
0,2µF
8µF
UB
15K
51K
250V
0,01µF
1K
80K
60K
120K
4700
100
1M
700K
520K
1MΩ
1MΩ
270Ω
270
10nF
100Pf
DR.
120K
2K
2K
51K
C13
PA
+UB
DC6RÜ





DC8CU

				Freimaßtoleranzen	Modulator
					Maßstab
				Tag / Name	
				Bearb. 28.1.69 [signature]	
				Gepr. 28.1.69 Bonson	
				Norm. DL8UX	
Aus-gabe	Änderung	Tag	Name		