U_CONN
CONN.SchDoc

SWR_HF
SWR_HF.SchDoc

U_CONTROL
CONTROL.SchDoc

U_LNA
LNA.SchDoc

SWR_VHF
SWR_VHF.SchDoc

HF_AMP
HF_AMP.SchDoc

HF_TUNER
HF_TUNER.SchDoc

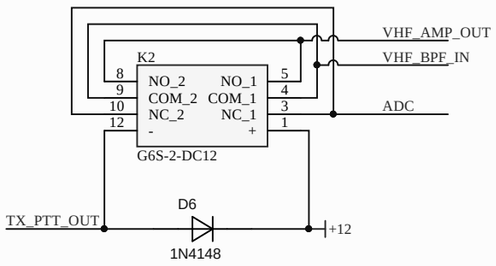
U_BPF
BPF.SchDoc

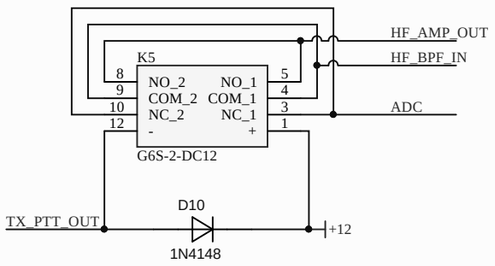
HF_AMP_DRIVER
HF_AMP_DRIVER.SchDoc

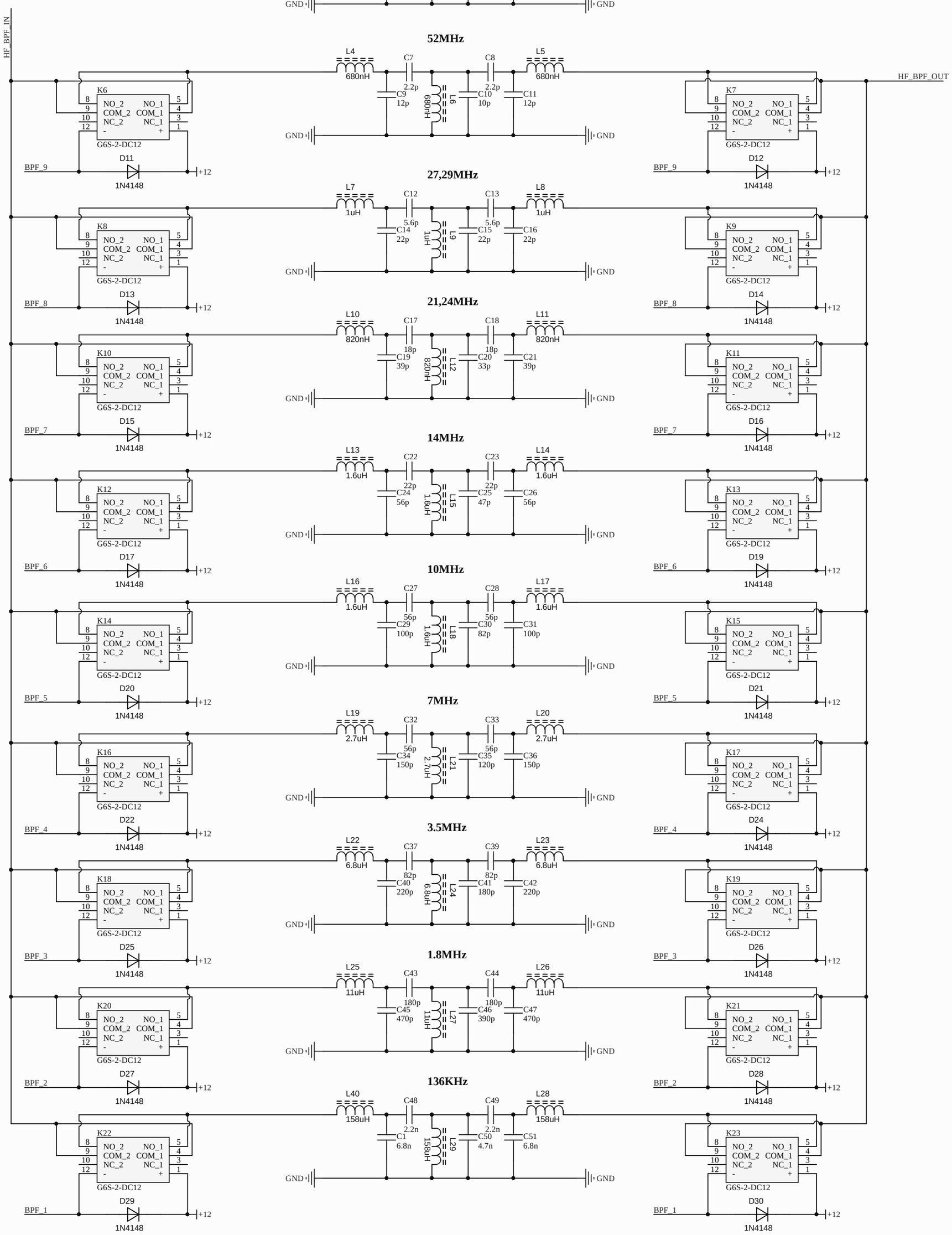
VHF_AMP
VHF_AMP.SchDoc

Title	***RF-UNIT BIG***		
Size: A4	Number:12	Revision:2.0	
Date: 25.02.2021	Time: 15:01:33	Sheet12 of 18	
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\RF-UNIT-BIG.SCHDOC			

BPF

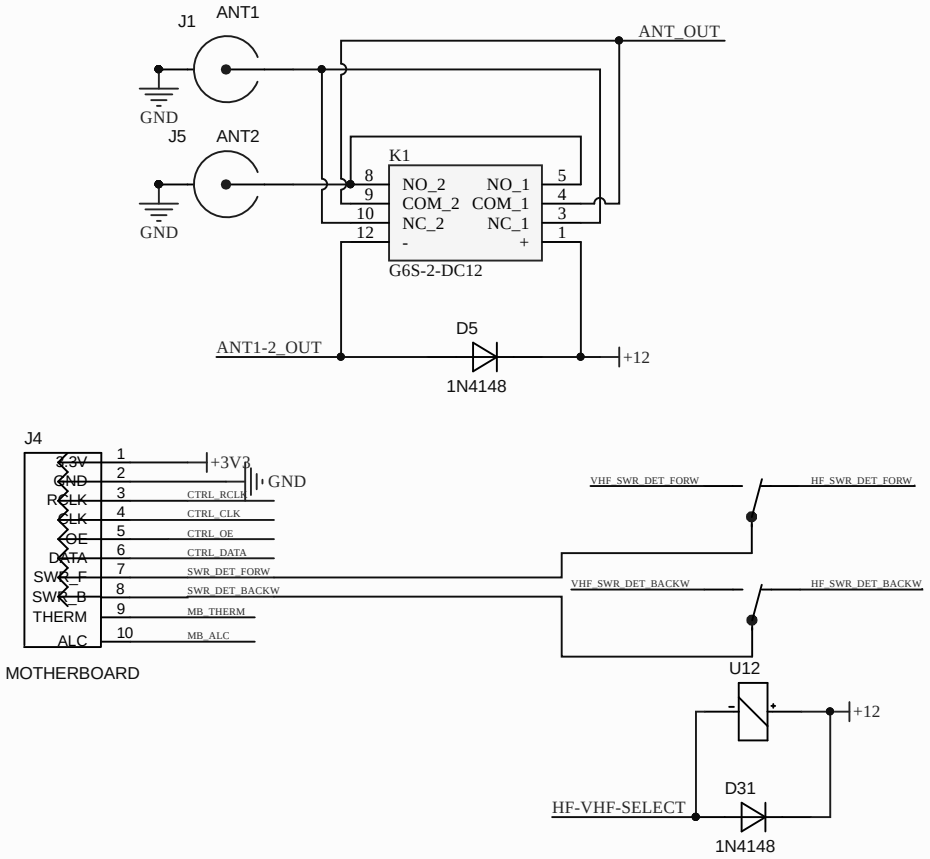




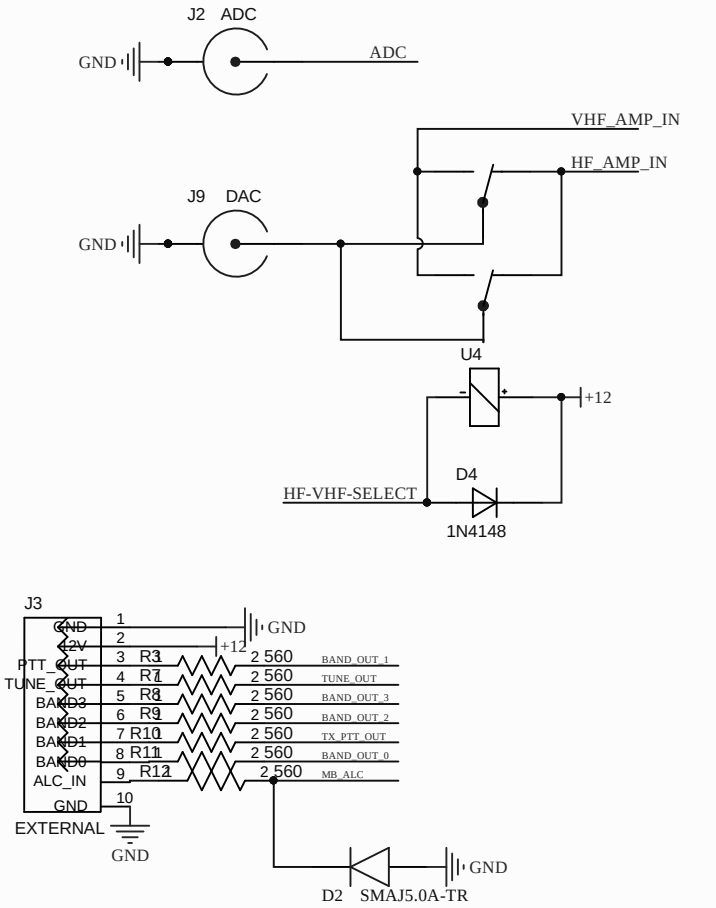


Title	***BPF***		
Size: A2	Number:13	Revision2.0	
Date: 25.02.2021	Time: 15:01:34	Sheet13 of 18	
File:	D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\BPF.SchDoc		

TXRX_COMUTATOR

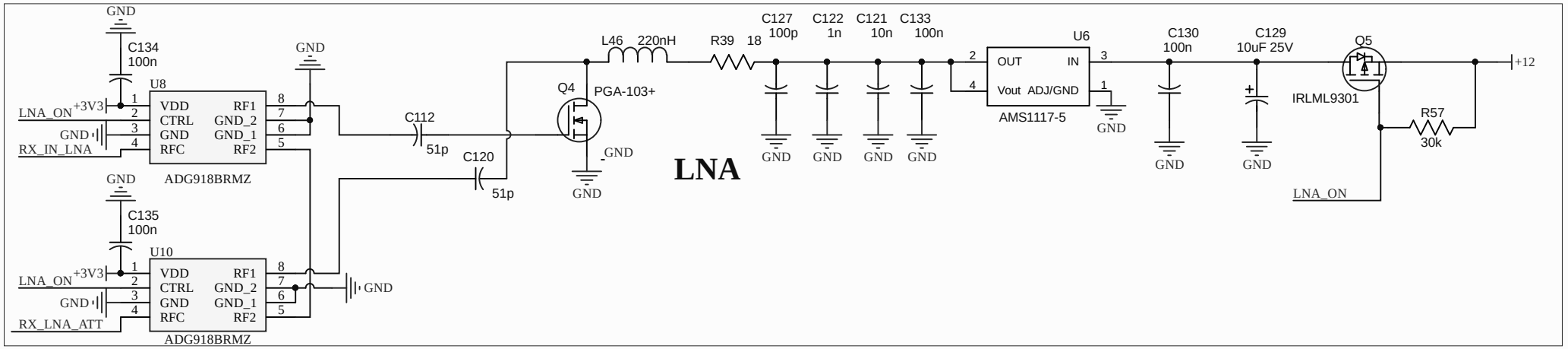


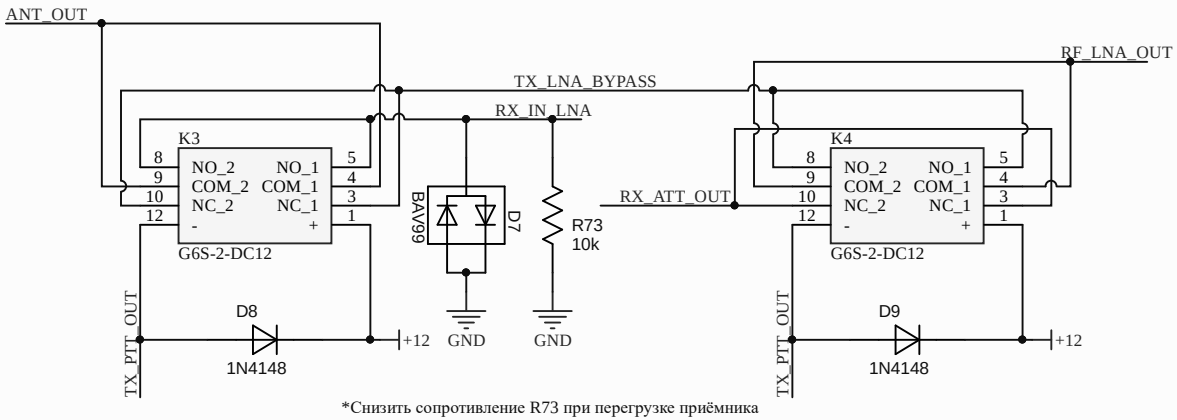
CONN



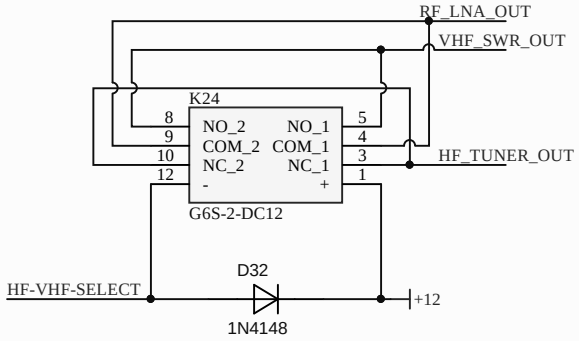
Title	***CONNECTIONS***		
Size: A4	Number:14	Revision2.0	
Date: 25.02.2021	Time: 15:01:34	Sheet14 of 18	
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\CONN.SchDoc			

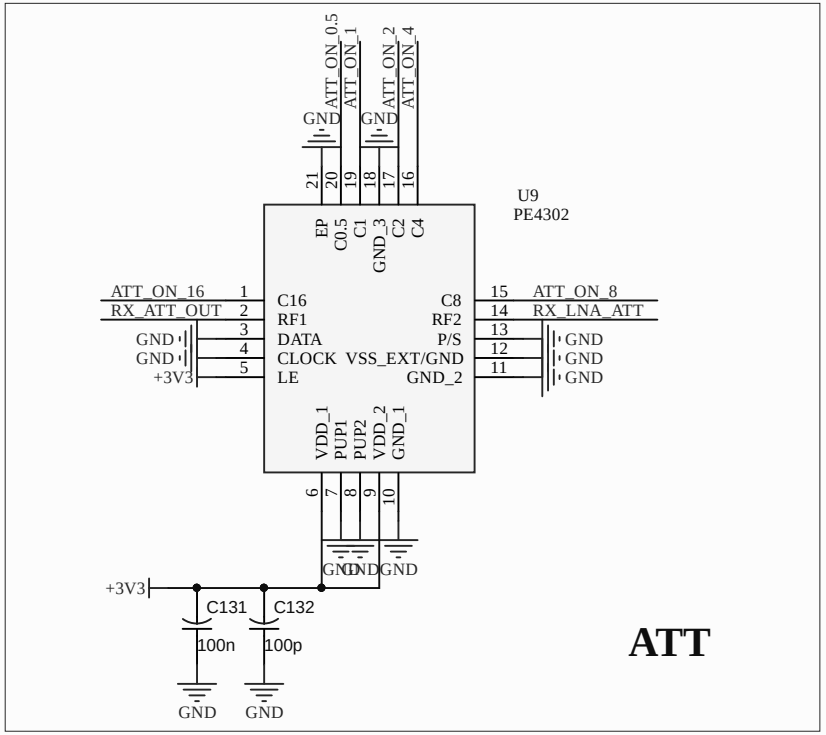
Title	***CONTROLS***		
Size: A4	Number:15	Revision:2.0	
Date: 25.02.2021	Time: 15:01:34	Sheet15 of 18	
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\CONTROL.SchDoc			





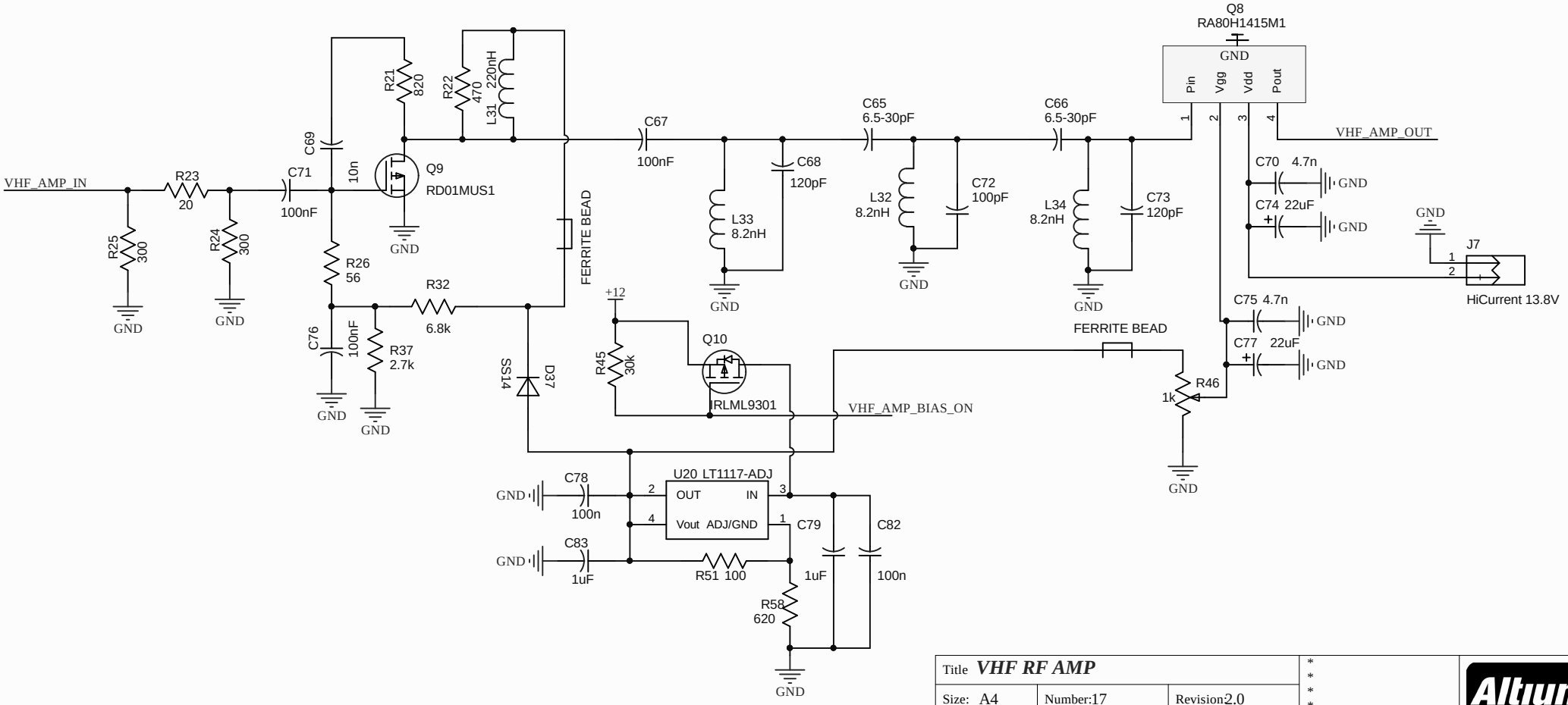
*Снизить сопротивление R73 при перегрузке приёмника





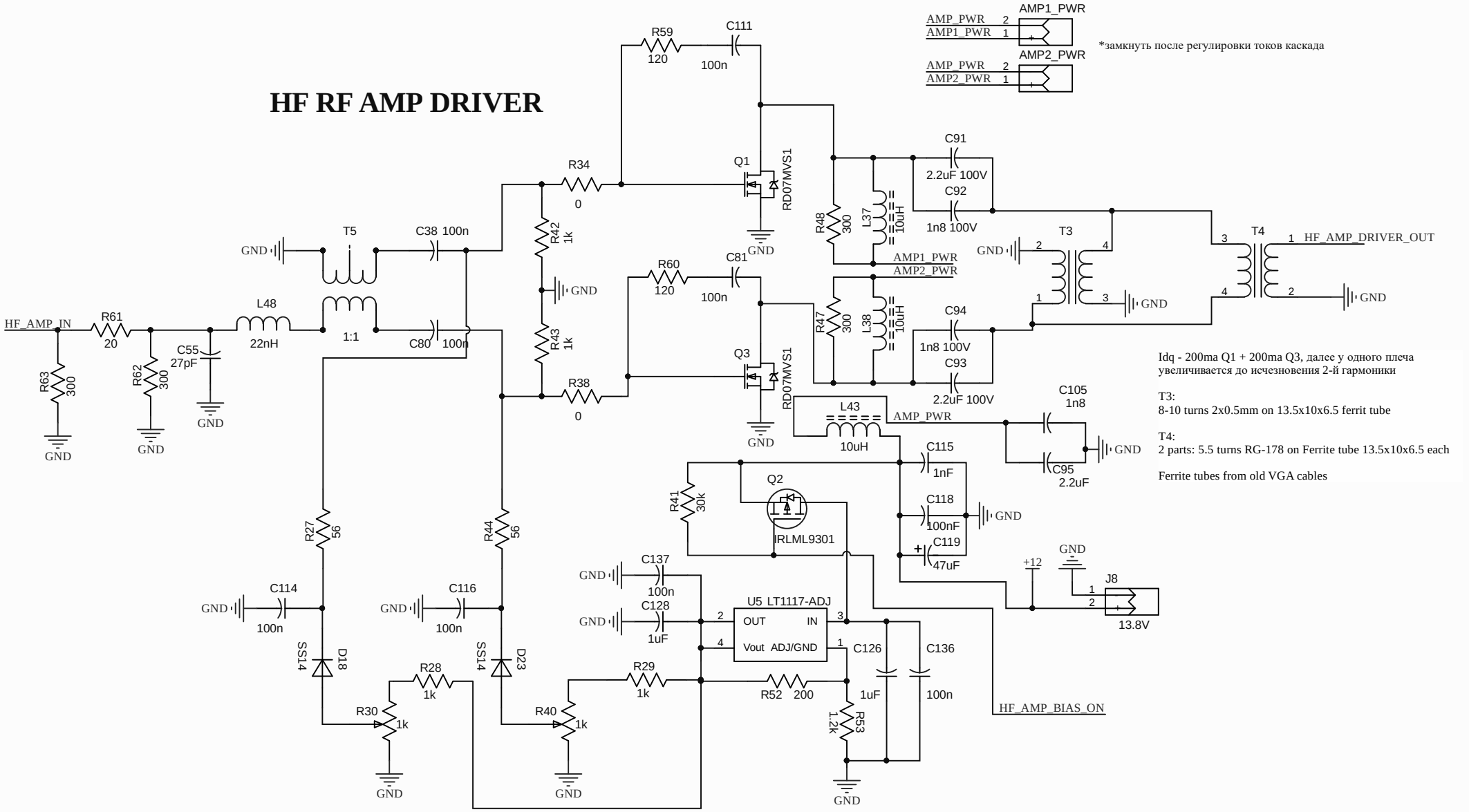
Title	***LNA+ATT***		
Size: A4	Number:16	Revision:2.0	
Date: 25.02.2021	Time: 15:01:34	Sheet 16 of 18	
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\LNA.SchDoc			

VHF RF AMP



Title	*VHF RF AMP*		
Size: A4	Number:17	Revision:2.0	
Date: 25.02.2021	Time: 15:01:35	Sheet17 of 18	
File:	D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\VHF_AMP.SchDoc		

HF RF AMP DRIVER



Idq - 200ma Q1 + 200ma Q3, далее у одного плеча увеличивается до исчезновения 2-й гармоники

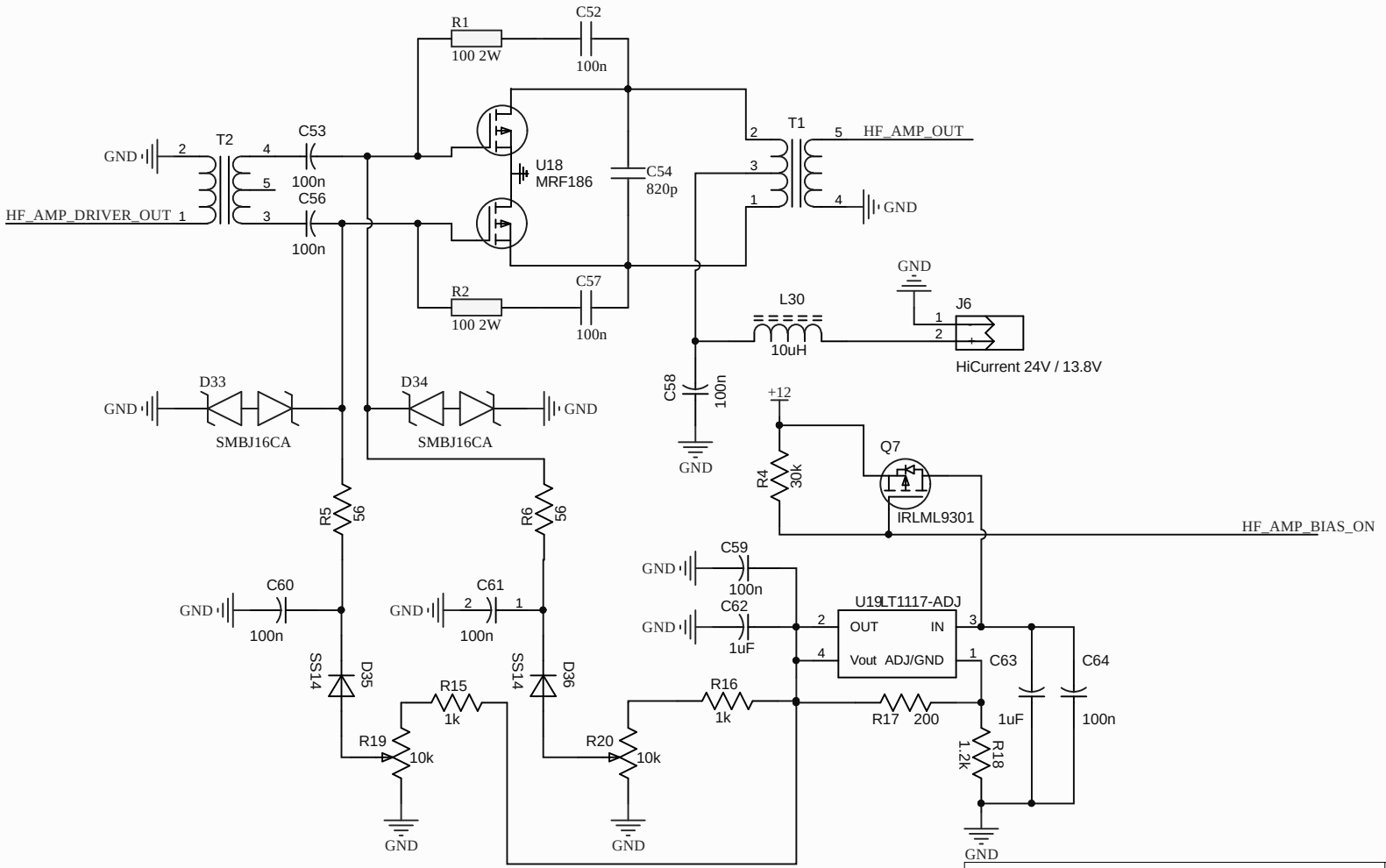
T3:
8-10 turns 2x0.5mm on 13.5x10x6.5 ferrit tube

T4:
2 parts: 5.5 turns RG-178 on Ferrite tube 13.5x10x6.5 each

Ferrite tubes from old VGA cables

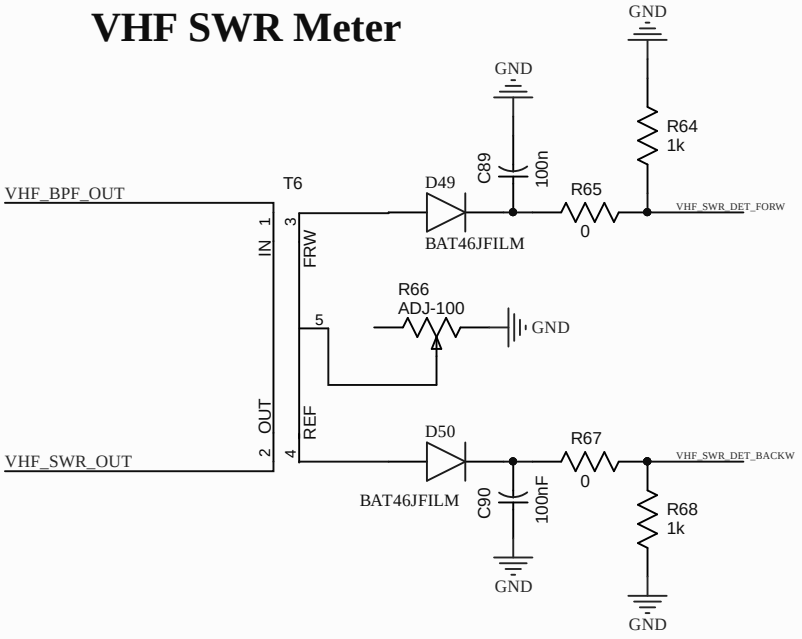
Title	*HF RF AMP DRIVER*		
Size: A4	Number:17	Revision:2.0	
Date: 25.02.2021	Time: 15:01:35	Sheet 17 of 18	
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\HF_AMP_DRIVER.SchDoc			

HF RF AMP



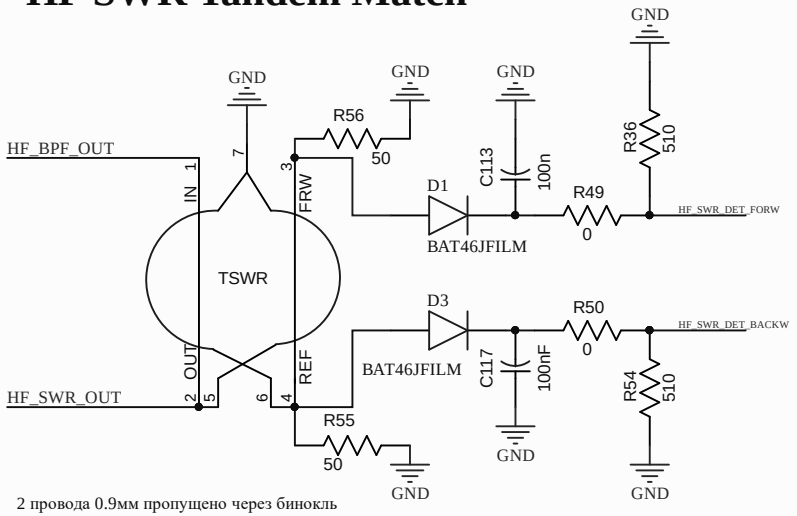
Title	*HF RF AMP*		
Size: A4	Number:17	Revision:2.0	
Date: 25.02.2021	Time: 15:01:35	Sheet 17 of 18	
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\HF_AMP.SchDoc			

VHF SWR Meter



Title	***VHF SWR Meter***		
Size: A4	Number:18	Revision:2.0	
Date: 25.02.2021	Time: 15:01:35	Sheet 18 of 18	
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\SWR_VHF.SchDoc			

HF SWR Tandem Match

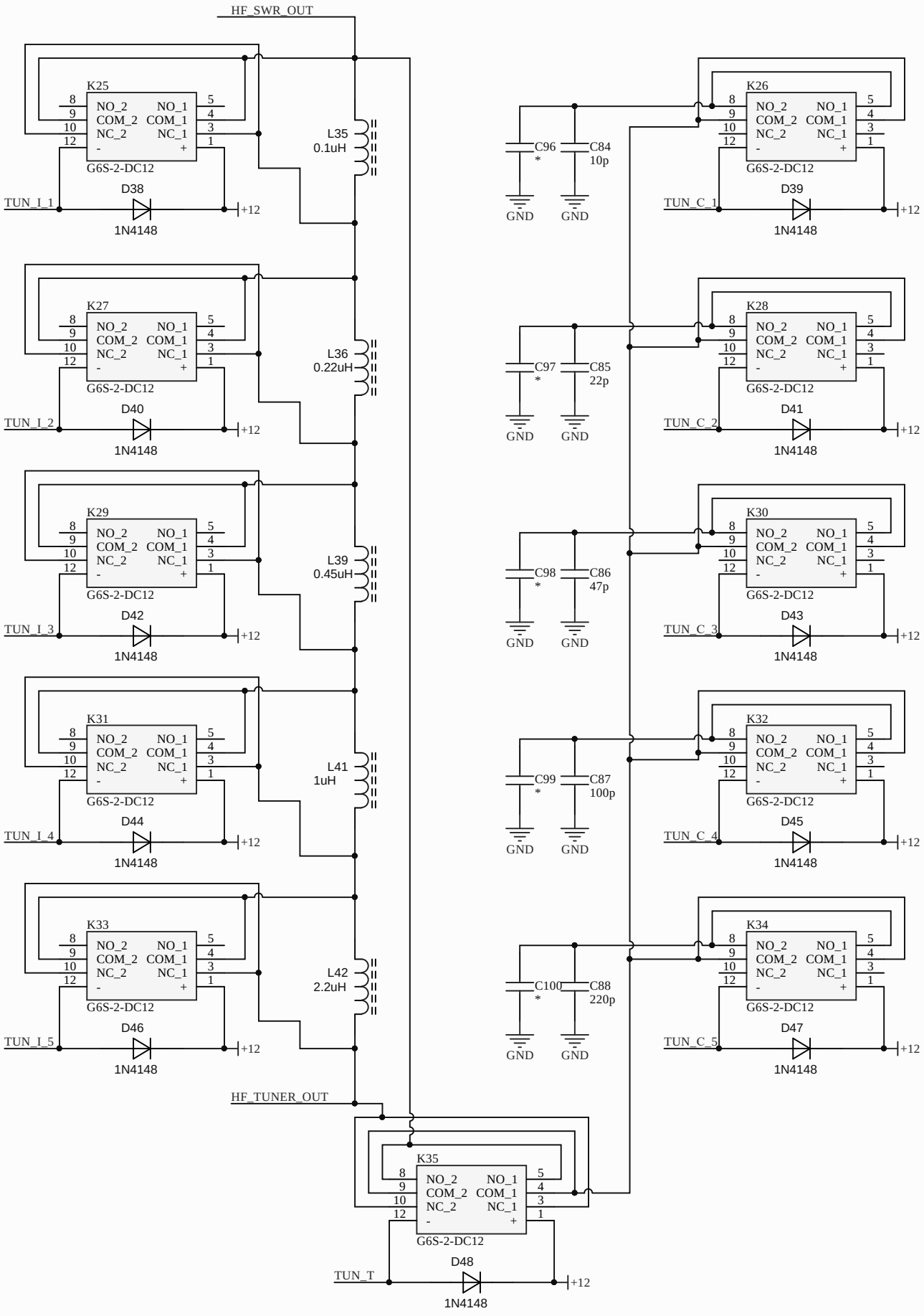


2 провода 0.9мм пропущено через бинокль

по диогонали пропущено и намотано по 10 витков 0.5мм

Title	***HF SWR Meter***		
Size: A4	Number:18	Revision2.0	
Date: 25.02.2021	Time: 15:01:35	Sheet18 of 18	
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\SWR_HF.SchDoc			

HF Antenna Tuner



Title	***HF Tuner***			* * * * *
Size: A4	Number:18	Revision:2.0		
Date: 25.02.2021	Time: 15:01:35	Sheet 18 of 18		
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\Experimental\RF-UNIT-BIG\HF_TUNER.SchDoc				

Comment	Description	Designator	Footprint	LibRef	Quantity
51022-0210	51022-0210	AMP1_PWR;AMP2_	51022-0210	51022-0210	3
6.8n	Capacitor NP0 HiVolt	C1, C51	CAP_1210	B3226DA0682J000	2
1.2p	Capacitor NP0 HiVolt	C2, C3	CAP_1210	B3226DA0682J000	2
4.7p	Capacitor NP0 HiVolt	C4, C6	CAP_1210	B3226DA0682J000	2
3.9p	Capacitor NP0 HiVolt	C5	CAP_1210	B3226DA0682J000	1
2.2p	Capacitor NP0 HiVolt	C7, C8	CAP_1210	B3226DA0682J000	2
12p	Capacitor NP0 HiVolt	C9, C11	CAP_1210	B3226DA0682J000	2
10p	Capacitor NP0 HiVolt	C10	CAP_1210	B3226DA0682J000	1
5.6p	Capacitor NP0 HiVolt	C12, C13	CAP_1210	B3226DA0682J000	2
22p	Capacitor NP0 HiVolt	C14, C15, C16, C22	CAP_1210	B3226DA0682J000	5
18p	Capacitor NP0 HiVolt	C17, C18	CAP_1210	B3226DA0682J000	2
39p	Capacitor NP0 HiVolt	C19, C21	CAP_1210	B3226DA0682J000	2
33p	Capacitor NP0 HiVolt	C20	CAP_1210	B3226DA0682J000	1
56p	Capacitor NP0 HiVolt	C24, C26, C27, C28	CAP_1210	B3226DA0682J000	6
47p	Capacitor NP0 HiVolt	C25	CAP_1210	B3226DA0682J000	1
100p	Capacitor NP0 HiVolt	C29, C31	CAP_1210	B3226DA0682J000	2
82p	Capacitor NP0 HiVolt	C30, C37, C39	CAP_1210	B3226DA0682J000	3
150p	Capacitor NP0 HiVolt	C34, C36	CAP_1210	B3226DA0682J000	2
120p	Capacitor NP0 HiVolt	C35	CAP_1210	B3226DA0682J000	1
100n	CAP_0805	C38, C59, C60, C61	CAP_0805	CAP_0805	18
220p	Capacitor NP0 HiVolt	C40, C42	CAP_1210	B3226DA0682J000	2
180p	Capacitor NP0 HiVolt	C41, C43, C44	CAP_1210	B3226DA0682J000	3
470p	Capacitor NP0 HiVolt	C45, C47	CAP_1210	B3226DA0682J000	2
390p	Capacitor NP0 HiVolt	C46	CAP_1210	B3226DA0682J000	1
2.2n	Capacitor NP0 HiVolt	C48, C49	CAP_1210	B3226DA0682J000	2
4.7n	Capacitor NP0 HiVolt	C50	CAP_1210	B3226DA0682J000	1
10nh	Capacitor	C52, C57	B3226DA0682J000	B3226DA0682J000	2
470p	Capacitor NP0 HiVolt	C53, C56, C58, C81	CAP_1210	CAP_1210	5
820p	Capacitor	C54	B3226DA0682J000	B3226DA0682J000	1
27pf	CAP_0805	C55	CAP_0805	CAP_0805	1
1uF	CAP_0805	C62, C63, C79, C83	CAP_0805	CAP_0805	6
6.5-30pF	TZC3P300A110	C65, C66	5025201103	CAP_0805	2
100nF	CAP_0805	C67, C71, C78, C90	CAP_0805	CAP_0805	6
120pF	CAP_0805	C68, C73	CAP_0805	CAP_0805	2
10n	CAP_1210	C69	CAP_1210	CAP_1210	1
4.7n	CAP_0805	C70, C75	CAP_0805	CAP_0805	2
100pF	CAP_0805	C72	CAP_0805	CAP_0805	1
22uF	CAPAE_6.6X6.6X5.4	C74, C77	CAPAE_6.6X6.6X5.4	CAPAE_6.6X6.6X5.4	2
10p	Capacitor	C84	B3226DA0682J000	B3226DA0682J000	1
22p	Capacitor	C85	B3226DA0682J000	B3226DA0682J000	1
47p	Capacitor	C86	B3226DA0682J000	B3226DA0682J000	1
10pF	Capacitor	C87	B3226DA0682J000	B3226DA0682J000	1
220p	Capacitor	C88	B3226DA0682J000	B3226DA0682J000	1
2.2uF 10V	CAP_1210	C91, C93	CAP_1210	CAP_1210	2
1n8 100V	CAP_1210	C92, C94	CAP_1210	CAP_1210	2
2.2uF	CAP_1210	C95	CAP_1210	CAP_1210	1
	Capacitor NP0 HiVolt	C96, C97, C98, C99	CAP_1210	B3226DA0682J000	5
1n8	CAP_1210	C105	CAP_1210	CAP_1210	1
51p	CAP_0805	C112, C120	CAP_0805	CAP_0805	2
1nF	CAP_0805	C115	CAP_0805	CAP_0805	1
47uF	CAPAE_6.6X6.6X5.4	C119	CAPAE_6.6X6.6X5.4	CAPAE_6.6X6.6X5.4	1
10n	CAP_0805	C121	6-0805_M	CAP_0805	1
1n	CAP_0805	C122	6-0805_M	CAP_0805	1
10p	CAP_0805	C127, C132	6-0805_M	CAP_0805	2
10uF 25V	CAPAE_5.3X5.3X6.1	C129	CAPAE_5.3X5.3X6.1	CAPAE_5.3X5.3X6.1	1
100n	CAP_0805	C131	6-0805_M	CAP_0805	4
BAT46JFILM	Diode	D1, D3, D49, D50	SOD2511X117N	BAT46JFILM	4
SMA5.0A-TR	Diode	D2	SMBJ5.0ACATR	SMLVT3V3	1
1N4148	1N4148	D4, D5, D8, D9, D31	SS14	1N4148	17
1N4148	1N4148	D6, D10, D11, D12,	1N4148	1N4148	20
BAV99	BAV99	D7	SOT23	BAV99	1
SS14	SS14	D18, D23, D35, D36	SS14	SS14	5
SMBJ16CA	TVS Diode (Bi-direct	D33, D34	DIONMS436X261N	SMBJ16CA	2
FERRITE BEAD	IND_FERRITE_BEAD	F1, F2	RES	IND_FERRITE_BEAD	2
ANT1	SMA	J1	31-5431	31-5431	1
ADC	SMA	J2	31-5431	31-5431	1
EXTERNAL	2*5 PIN	J3	90131-0126	90131-0126	1
MOTHERBOARD	2*5 PIN	J4	90131-0126	90131-0126	1
ANT2	SMA	J5	31-5431	31-5431	1
HiCurrent 24V / 13.8	JK2	J6	19867172	19867172	1
HiCurrent 13.8V	JK2	J7	19867172	19867172	1
13.8V	JK2	J8	19867172	19867172	1
DAC	SMA	J9	31-5431	31-5431	1
GS5-2-DC12	Relay or Contactor	K1, K2, K3, K4, K5, K	GS5DC12	GS5-2-DC12	35
220nH	Inductor	L1, L2, L3	IND_FERRITE_CORE	IND_FERRITE_CORE	3
680nH	Inductor	L4, L5, L6	IND_FERRITE_CORE	IND_FERRITE_CORE	3
1uH	Inductor	L7, L8, L9, L46	IND_FERRITE_CORE	IND_FERRITE_CORE	4
820nH	Inductor	L10, L11, L12	IND_FERRITE_CORE	IND_FERRITE_CORE	3
1.6uH	Inductor	L13, L14, L15, L16	IND_FERRITE_CORE	IND_FERRITE_CORE	6
2.7uH	Inductor	L19, L20, L21	IND_FERRITE_CORE	IND_FERRITE_CORE	3
6.8uH	Inductor	L22, L23, L24	IND_FERRITE_CORE	IND_FERRITE_CORE	3
11uH	Inductor	L25, L26, L27	IND_FERRITE_CORE	IND_FERRITE_CORE	3
15.6uH	Inductor	L28, L29, L45	IND_FERRITE_CORE	IND_FERRITE_CORE	3
10uH	Inductor	L30, L37, L38, L44	IND_FERRITE_CORE	IND_FERRITE_CORE	4
10uH	IND_1206	L31	IND_1206	IND_1206	1
8.2nH	IND_0805	L32, L33, L34	IND_0805	IND_0805	3
0.1uH	Inductor	L35	IND_FERRITE_CORE	IND_FERRITE_CORE	1
0.22uH	Inductor	L36	IND_FERRITE_CORE	IND_FERRITE_CORE	1
0.45uH	Inductor	L39	IND_FERRITE_CORE	IND_FERRITE_CORE	1
2.2uH	Inductor	L40	IND_FERRITE_CORE	IND_FERRITE_CORE	1
220nH	IND_1206	L41	IND_1206	IND_1206	1
22nH	IND_0805	L48	IND_0805	IND_0805	1
RD07MS1	RD07MS1	Q1, Q3	RD07MS1	RD07MS1	2
IRLML9301	MOSFET	Q2, Q5, Q7, Q10	SOT23	MOSFET_ENH_P-D	4
PGA-103+	MOSFET	Q4	SOT89	PGA-103+	1
RA80H1415M1	RA80H1415M1	Q6	RA80H1415M1	RA80H1415M1	1
RD01MUS1	RD01MUS1	Q9	SOT89	RD01MUS1	1
100 2W	CFR200J100R	R1, R2	RES-2W	CFR200J100R	2
560	RES_0805	R3, R7, R8, R9, R10,	RES_0805	RES_0805	7
30k	RES_0805	R4, R41, R45, R57	RES_0805	RES_0805	4
56	RES_0805	R5, R6, R26, R27, R4	RES_0805	RES_0805	5
2k	RES_0805	R13	RES_0805	RES_0805	1
KTY81/120	Integrated Circuit	R14	TO254P420X660X7	KTY81_120	1
1k	RES_0805	R15, R16, R28, R29,	RES_0805	RES_0805	9
200	RES_0805	R17, R52	RES_0805	RES_0805	2
1.3k	RES_0805	R18, R53	RES_0805	RES_0805	2
ADJ-10k	306J	R19, R20	306J	306J	2
820	RES_1210	R21	RES_1210	RES_1210	1
470	RES_1210	R22	RES_1210	RES_1210	1
20	RES_1210	R23, R61	RES_1210	RES_1210	2
300	RES_1210	R24, R25, R47, R48	RES_1210	RES_1210	8
ADJ-1k	306J	R30, R40, R46	306J	306J	3
1k	RES_0805	R31, R33, R69, R70	RESC2013X60X40NL	CMF-2001-00626-1	6
6.8k	RES_0805	R32	RES_0805	RES_0805	1
0	RES_1210	R34, R38	RES_1210	RES_1210	2
510	RES_0805	R36, R54	RES_0805	RES_0805	2
2.2k	RES_0805	R37	RES_0805	RES_0805	1
18	RES_1210	R39	RES_1210	RES_1210	1
0	RES_0805	R49, R50, R65, R67	RES_0805	RES_0805	4
100	RES_0805	R51	RES_0805	RES_0805	1
50	RES_1210	R55, R56	RES_1210	RES_1210	2
620	RES_0805	R58	RES_0805	RES_0805	1
120	RES_1210	R59, R60	RES_1210	RES_1210	2
ADJ-100	306J	R66	306J	306J	1
10k	RES_1210	R73	RES_1210	RES_1210	1
TRANSF_HF2	TRANSF_HF2	T1	TRANSF_HF2	TRANSF_RF2	1
TRANSF_HF1	TRANSF_HF1	T2	TRANSF_HF1	TRANSF_RF1	1
BT M2000HM 10*4*5	Transformer	T3	Rutor	TRANSF_ICORE	1
TRANSF_ICORE	TRANSF_ICORE	T4	TRANSF_ICORE	TRANSF_ICORE	1
1:1	1:1	T5	TRANSF_ACORE2	TRANSF_ACORE2	1
SWR_VHF	SWR_VHF	T6	SWR_VHF	SWR_VHF	1
SWR_TANDEM_MATC	SWR_TANDEM_MATC	TSWR	SWR_TANDEM_MATC	SWR_TANDEM_MATC	1
STPCEC55YTR	Integrated Circuit	U1, U2, U3, U7, U11	SOP65P640X120-14	STPCEC55YTR	5
Axiom IMD6	Axiom IMD6	U4, U12	IMD6GR	Axiom IMD6	2
LT1117ST-ADJ	LT1117ST-ADJ	U5, U19, U20	LT1117ST-ADJ	LT1117ST-ADJ	3
AME1117-5	AME1117-5	U6	AME1117-5	AME1117-5	1
ADG918BRMZ	Integrated Circuit	U8, U10	SOP65P490X110-8N	ADG918BRMZ	2
PE4312	Integrated Circuit	U9	QFN50P4030X4030X	PE4312CZ	1
MRF186	MRF186	U18	MRF186	MRF186	1