

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

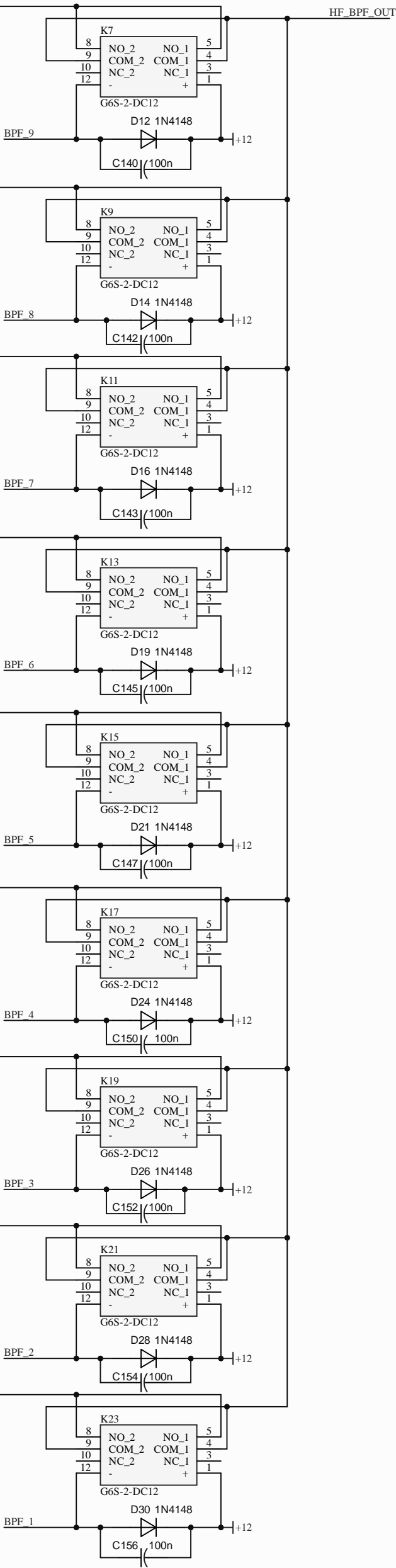
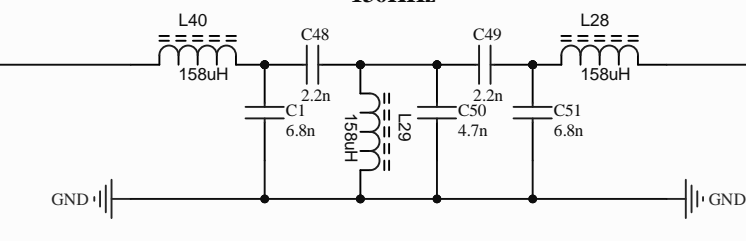
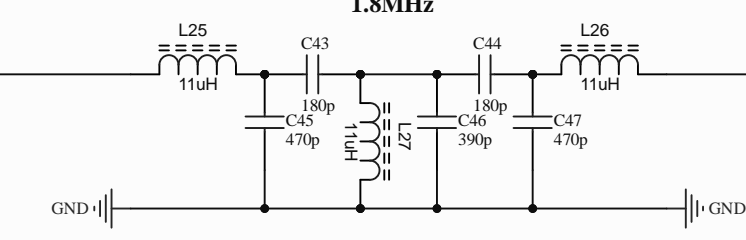
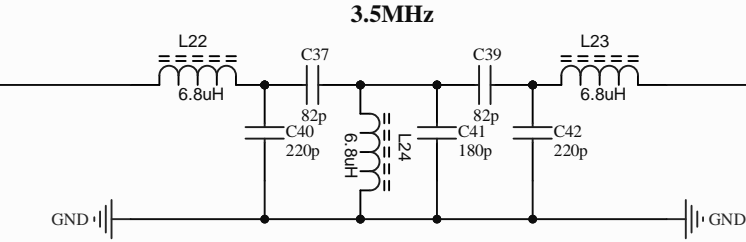
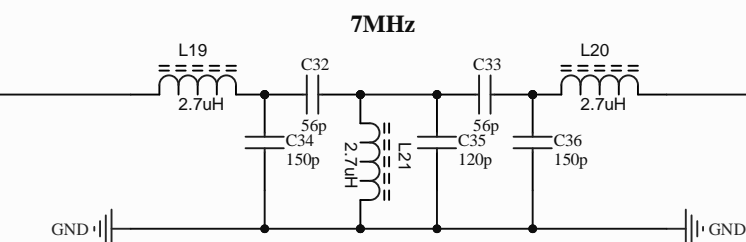
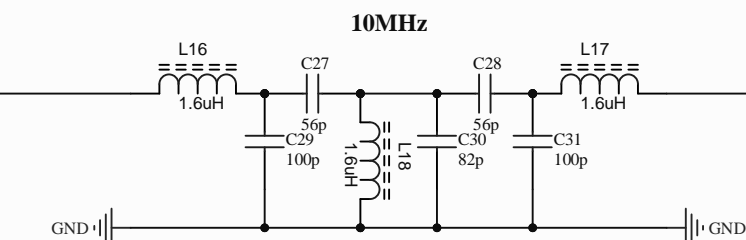
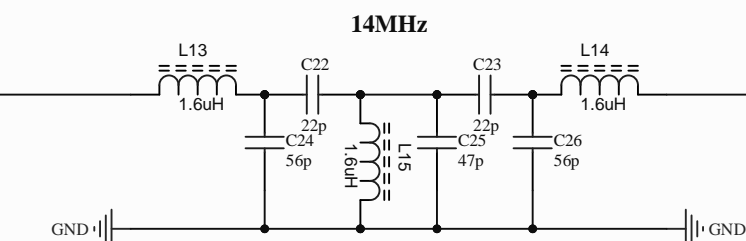
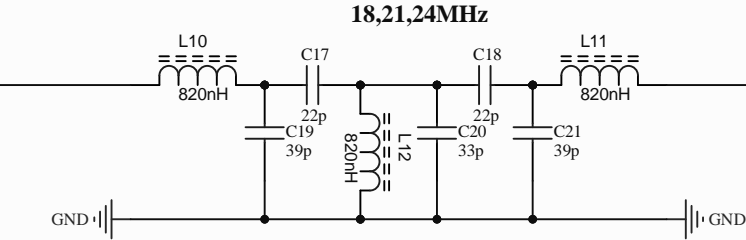
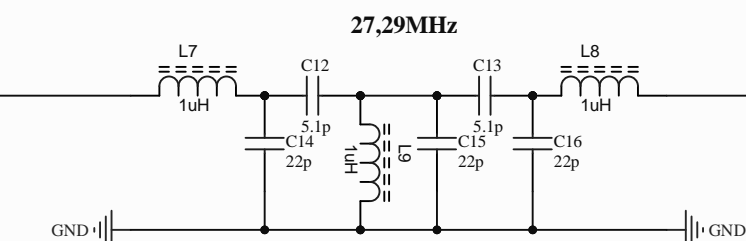
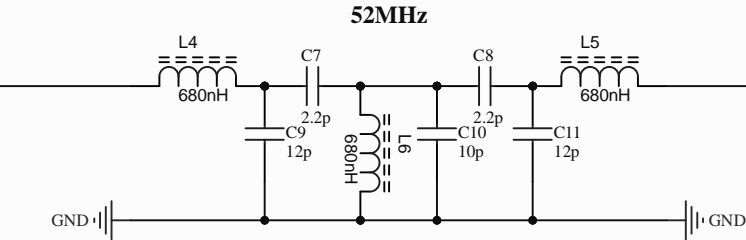
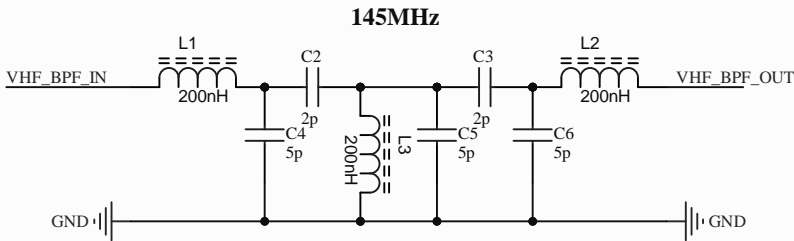
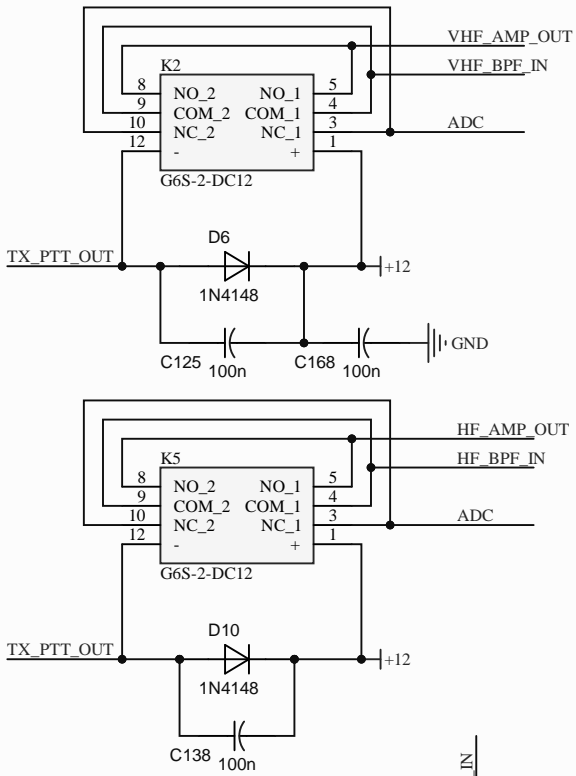
HF_TUNER
HF_TUNER.SchDoc

U_BPF
BPF.SchDoc

HF_AMP_DRIVER
HF_AMP_DRIVER.SchDoc

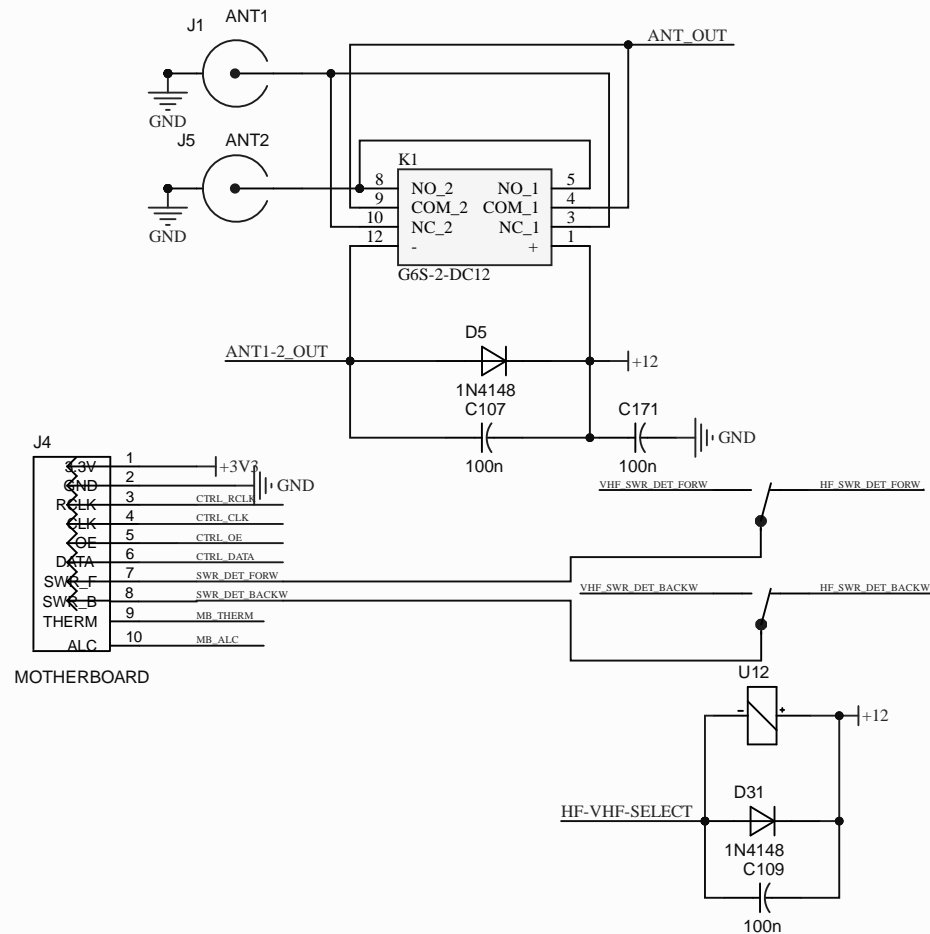
VHF_AMP
VHF_AMP.SchDoc

BPF

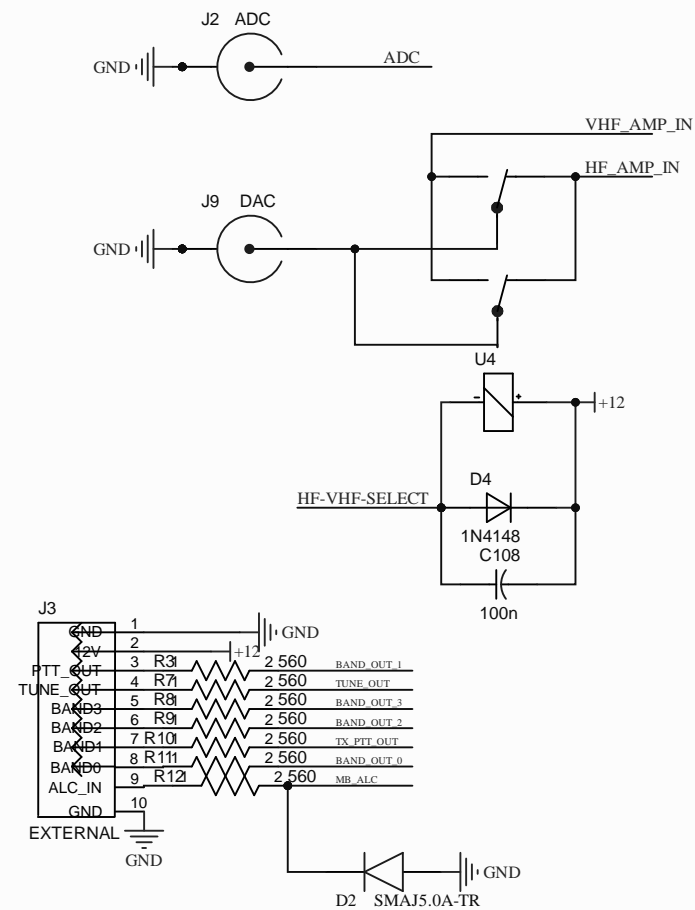



0.5mm cord
2200m - 158uH - M1000HM3-5 K16*10*4.5 - 19.5 turns
160m - 11uH - T68-2 - 44 turns
80m - 6.8uH - T68-2 - 35 turns
40m - 2.7uH - T68-2 - 22 turns
30m - 1.6uH - T68-2 - 17 turns
20m - 1.6uH - T68-2 - 17 turns
17.15,12m - 820nH - T68-2 - 12 turns
CB,10m - 1uH - T68-2 - 13 turns
6m - 680nH - T50-6 - 12 turns
2m - 200nH - air - 6 turns, 7mm diam

TXRX_COMUTATOR



CONN



Title CONNECTIONS			* * * * *	
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File: D:\Dropbox\Develop\Projects\WOLF\Scheme\ALTIUM_DESIGNER\RF-UNIT-BIG\CONN.SchDoc				

A

B

C

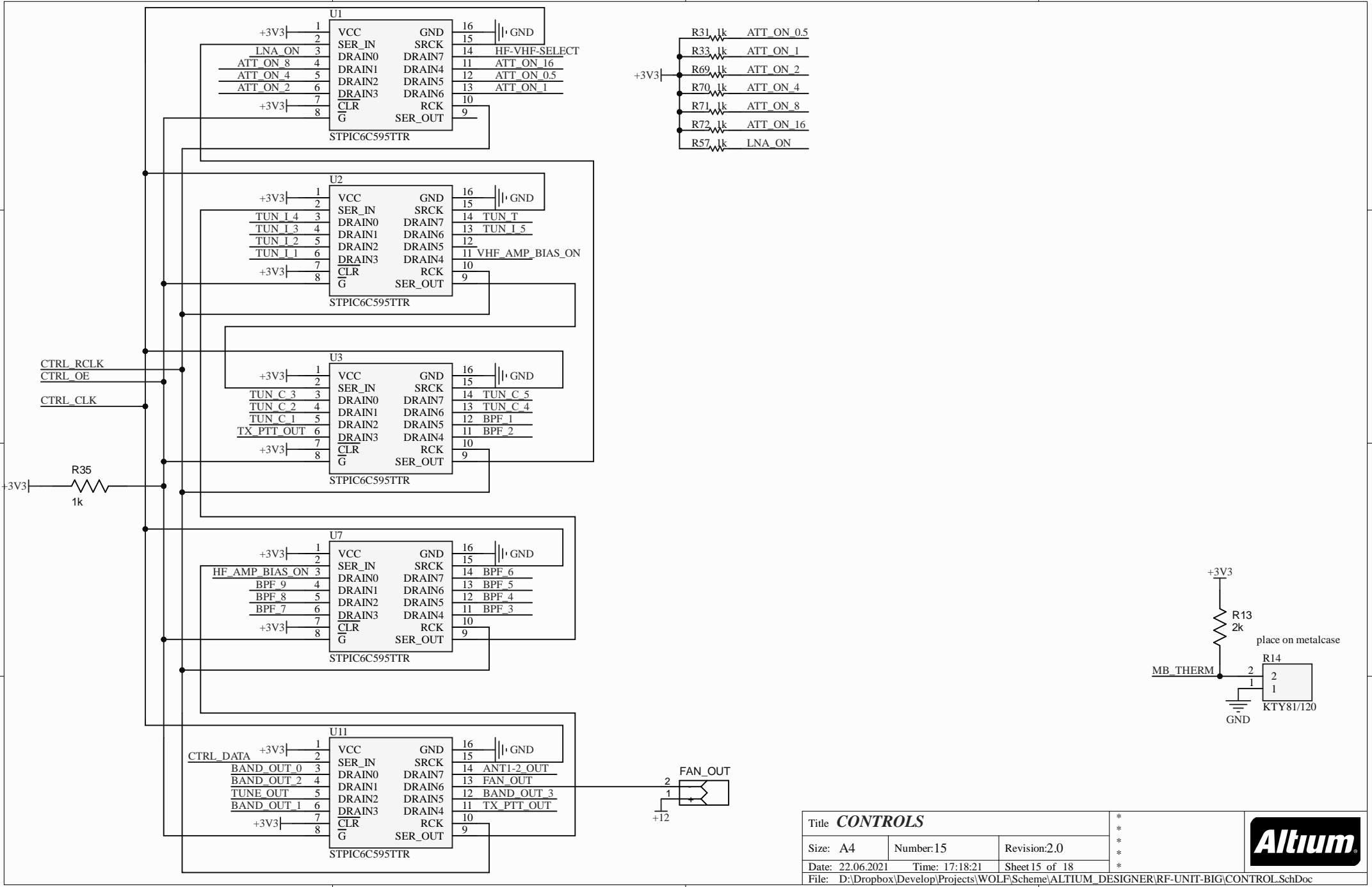
D

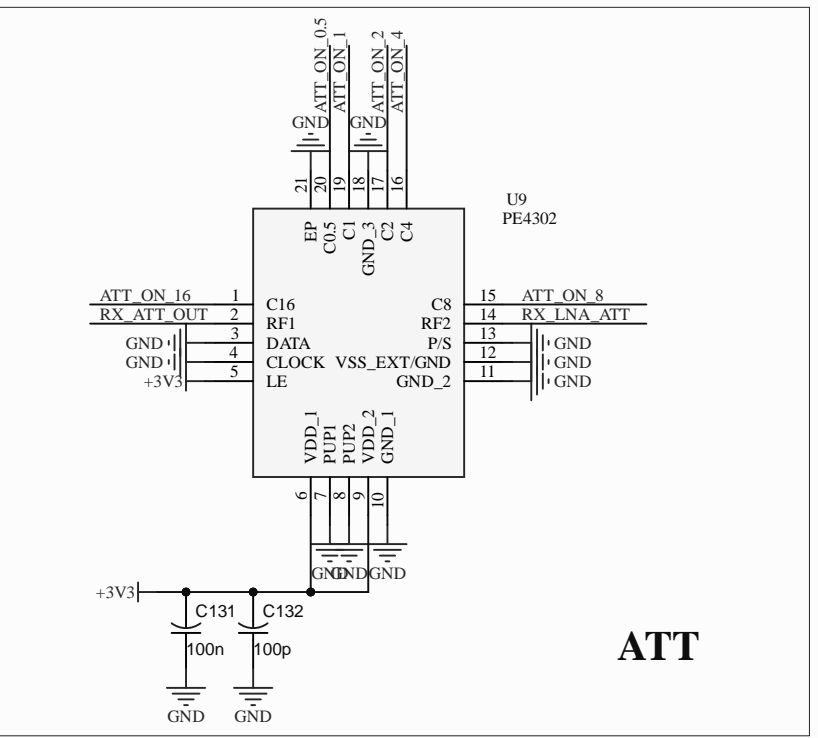
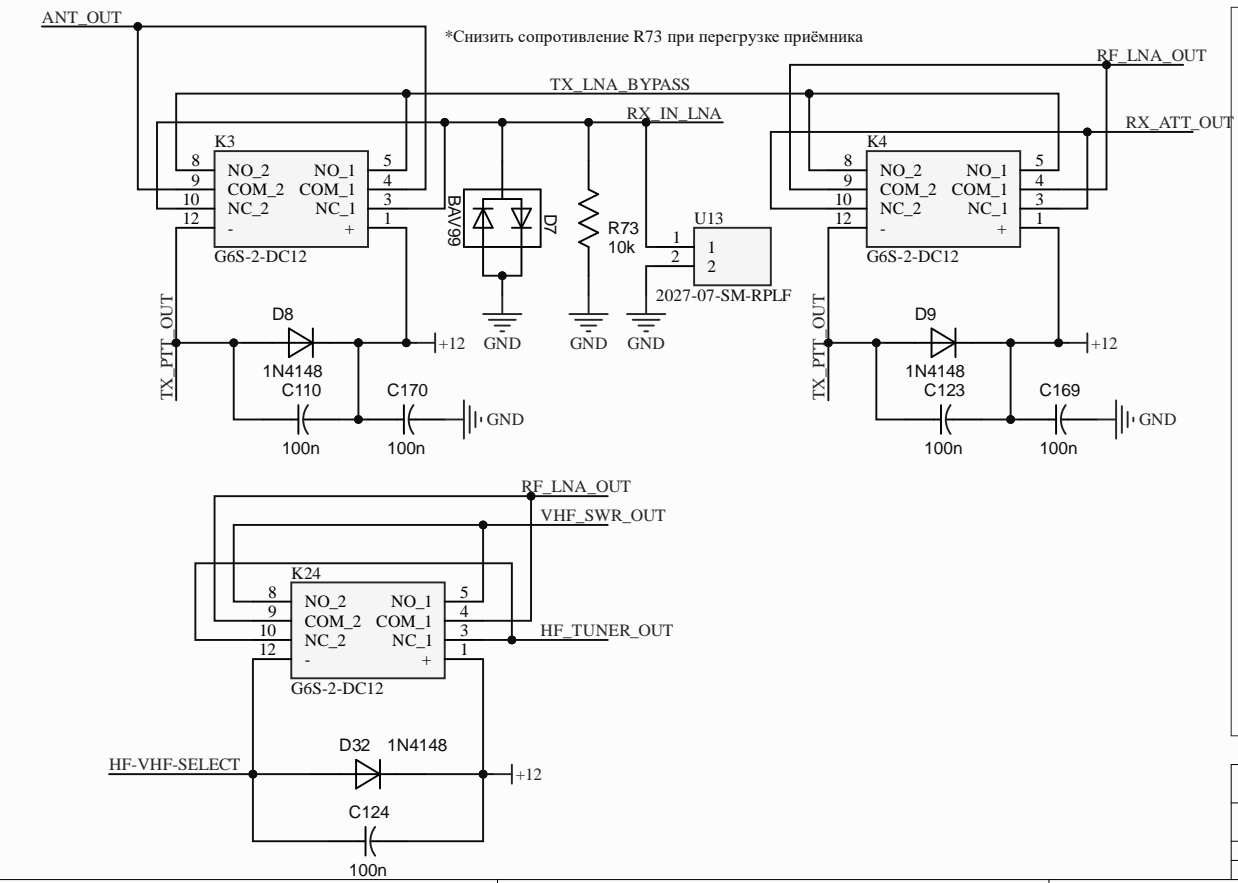
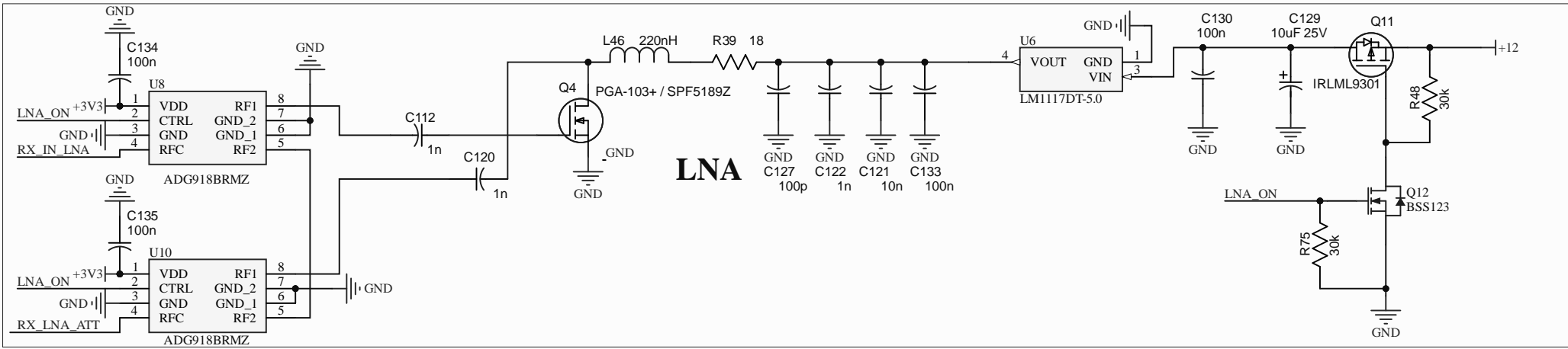
A

B

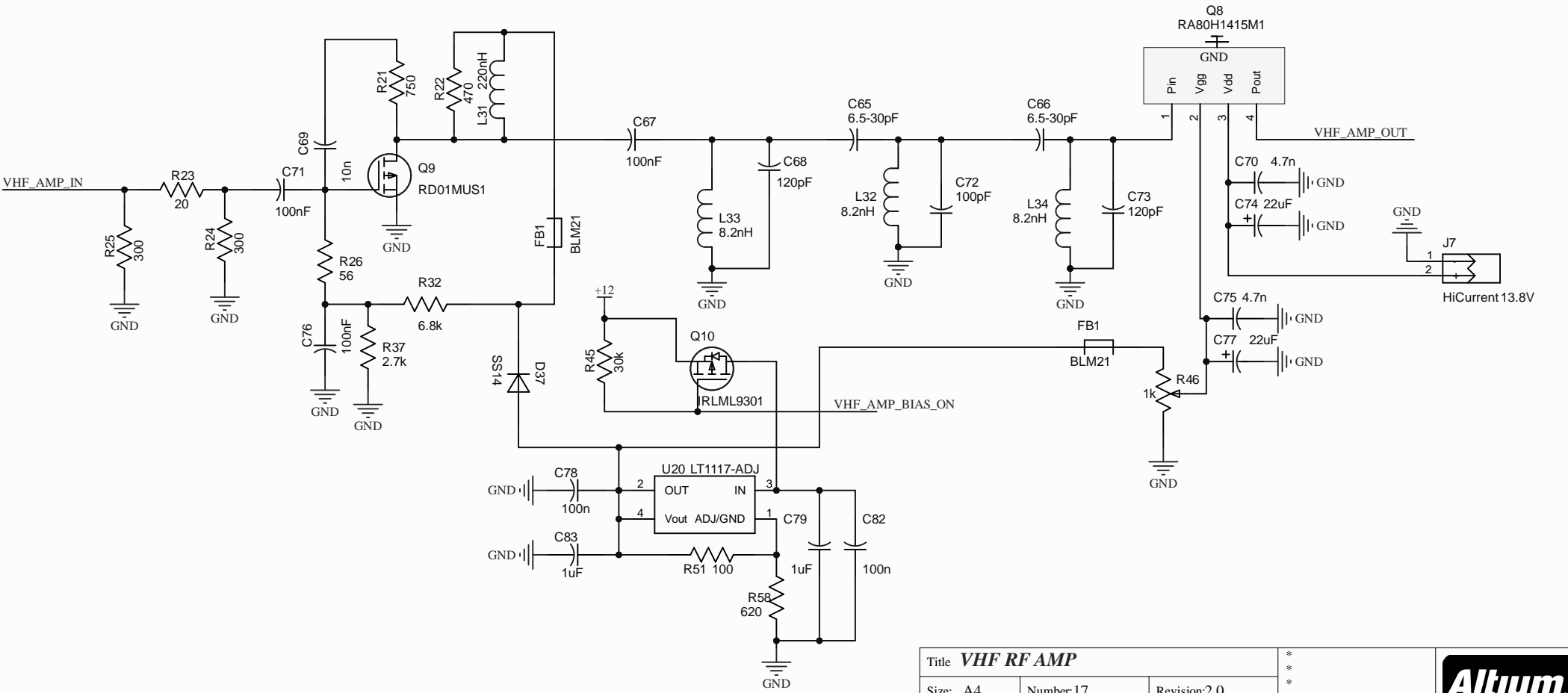
C

D

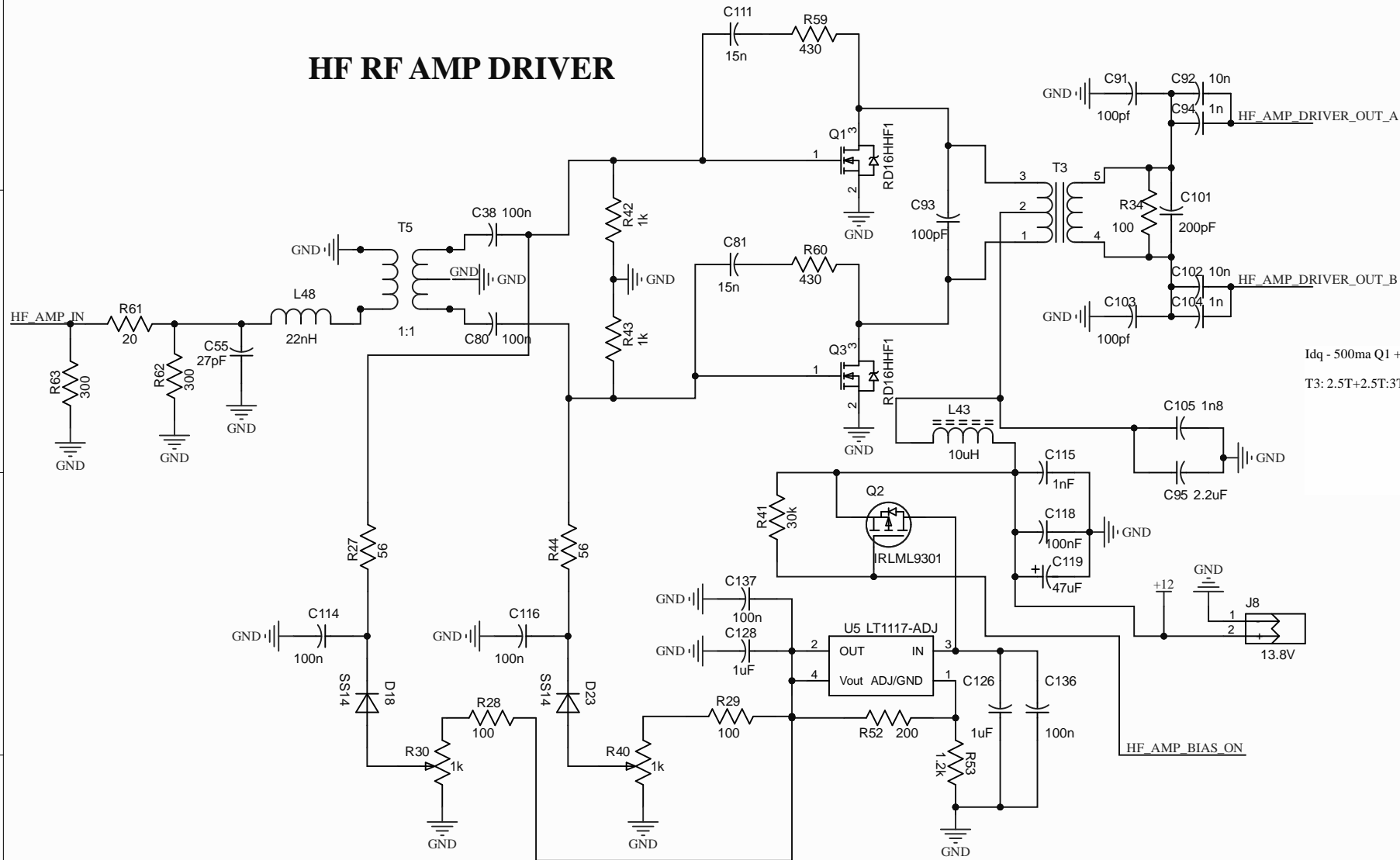




VHF RF AMP



HF RF AMP DRIVER



Idq - 500ma Q1 + 500ma Q3
T3: 2.5T+2.5T:3T 0.8mm BN-43-202

Title **HF RF AMP DRIVER**

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Number:17

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HF RF AMP

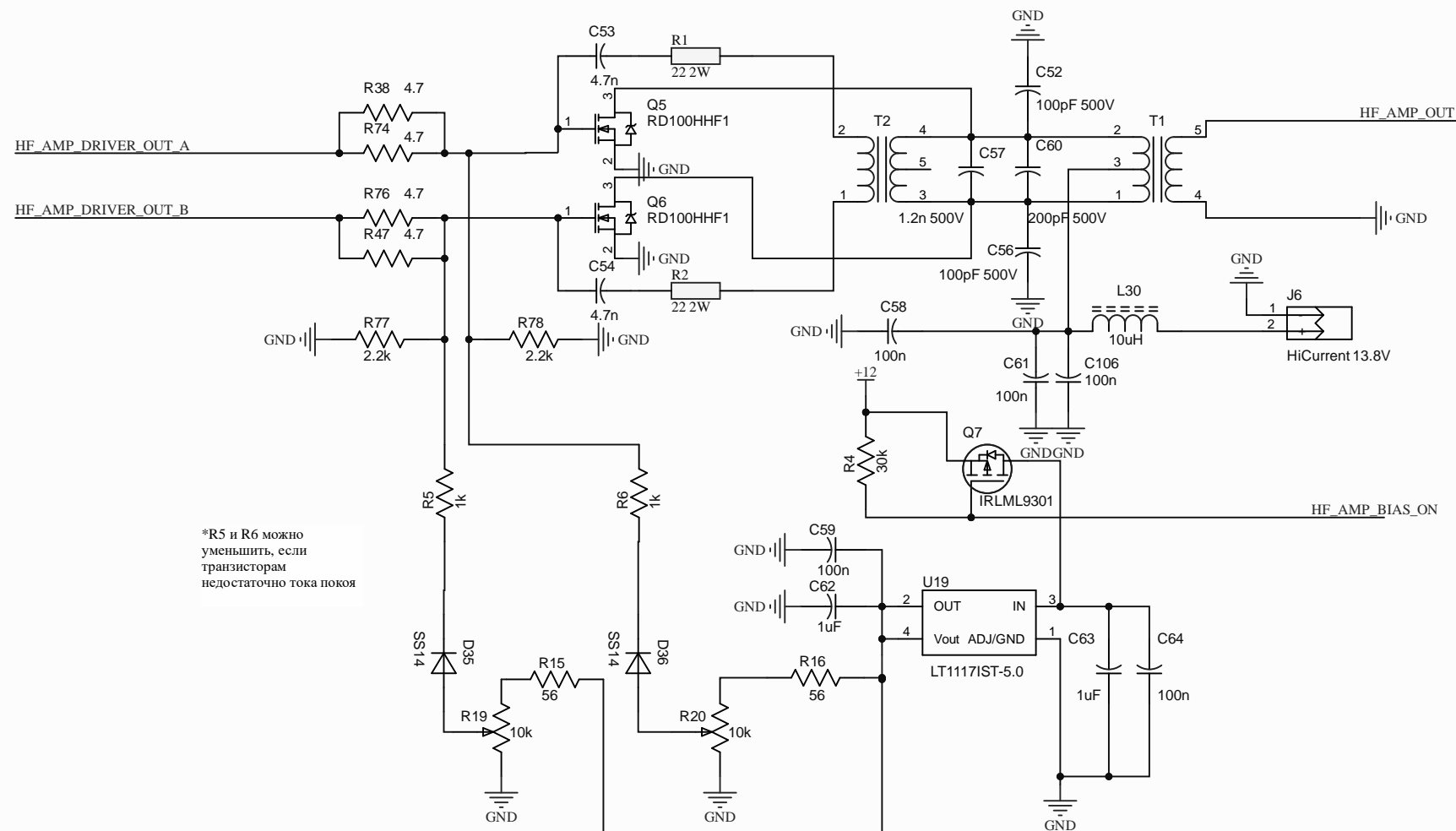
$$I_{dq} = 500\text{mA } Q5 + 500\text{mA } Q6$$

T1: 1T:4T 25ohm 2.3mm coaxial BN-61-002


T2: 2+2T:1T 0.8mm BN43-202

L30: 3T 1mm BN43-202

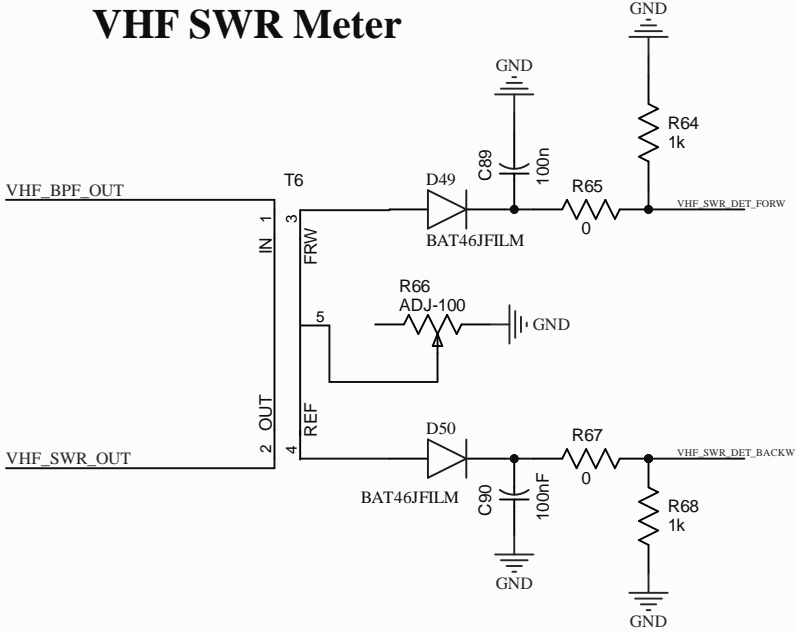
C57, 60, C52, C56 - подбираются для равномерного АЧХ



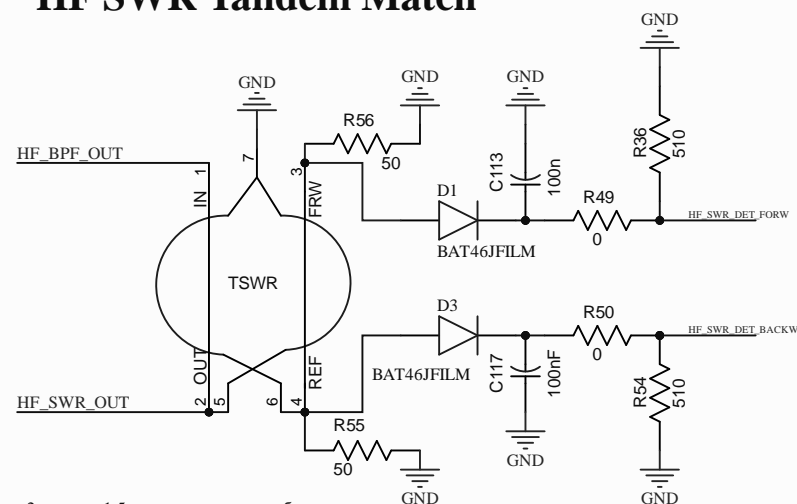
*R5 и R6 можно уменьшить, если транзисторам недостаточно тока покоя

Title HF RF AMP			
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Date: 22.06.2021	Time: 17:18:22	Sheet 17 of 18	
File: D:\Dropbox\Develop\Projects\WOLF\Scheme\ALTUM DESIGNER\RF-UNIT-BIG\HF AMP\SchDoc			

VHF SWR Meter



HF SWR Tandem Match



2 провода 1.5мм пропущено через бинокль
по диагонали пропущено и намотано по 20 витков 0.5мм

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