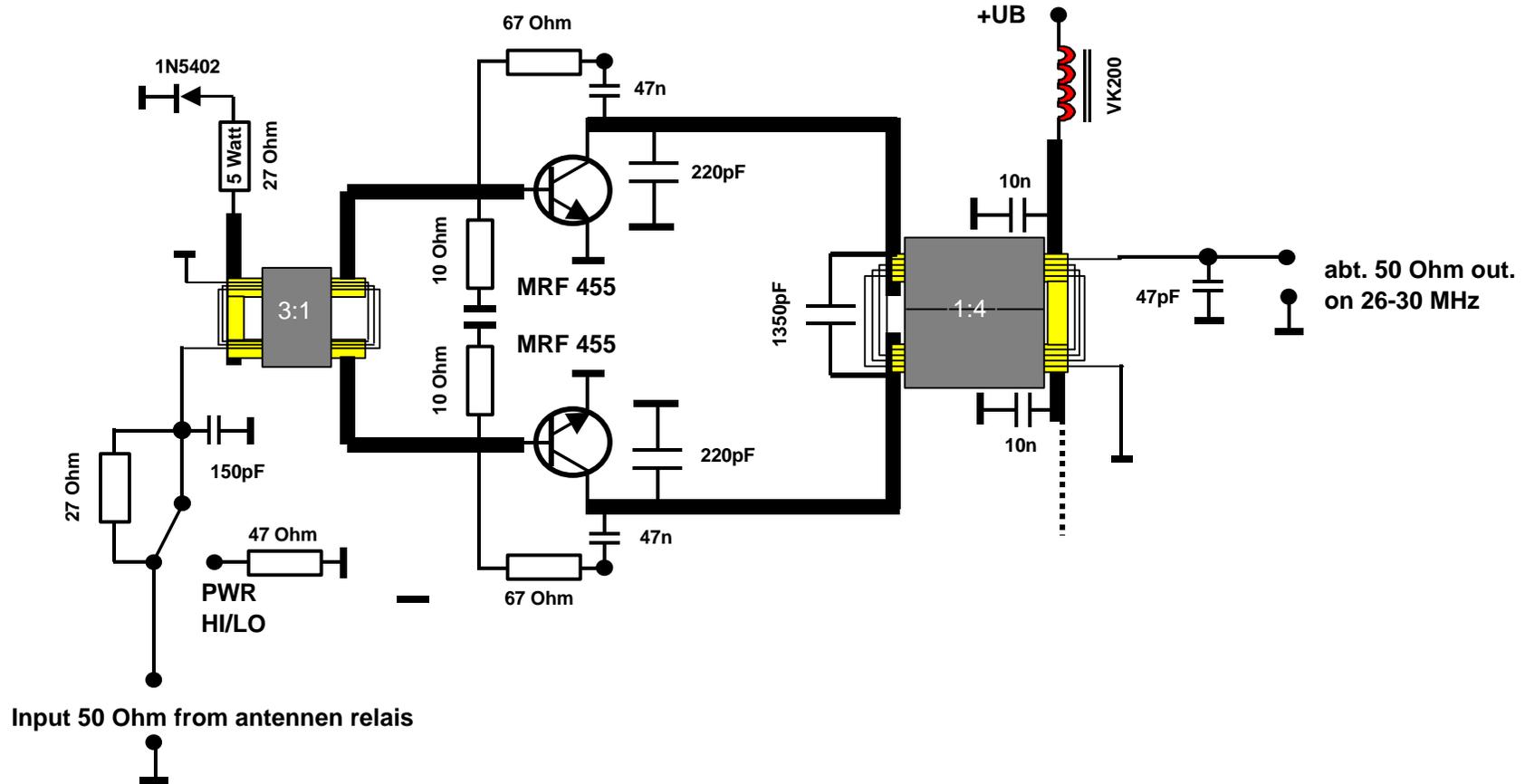


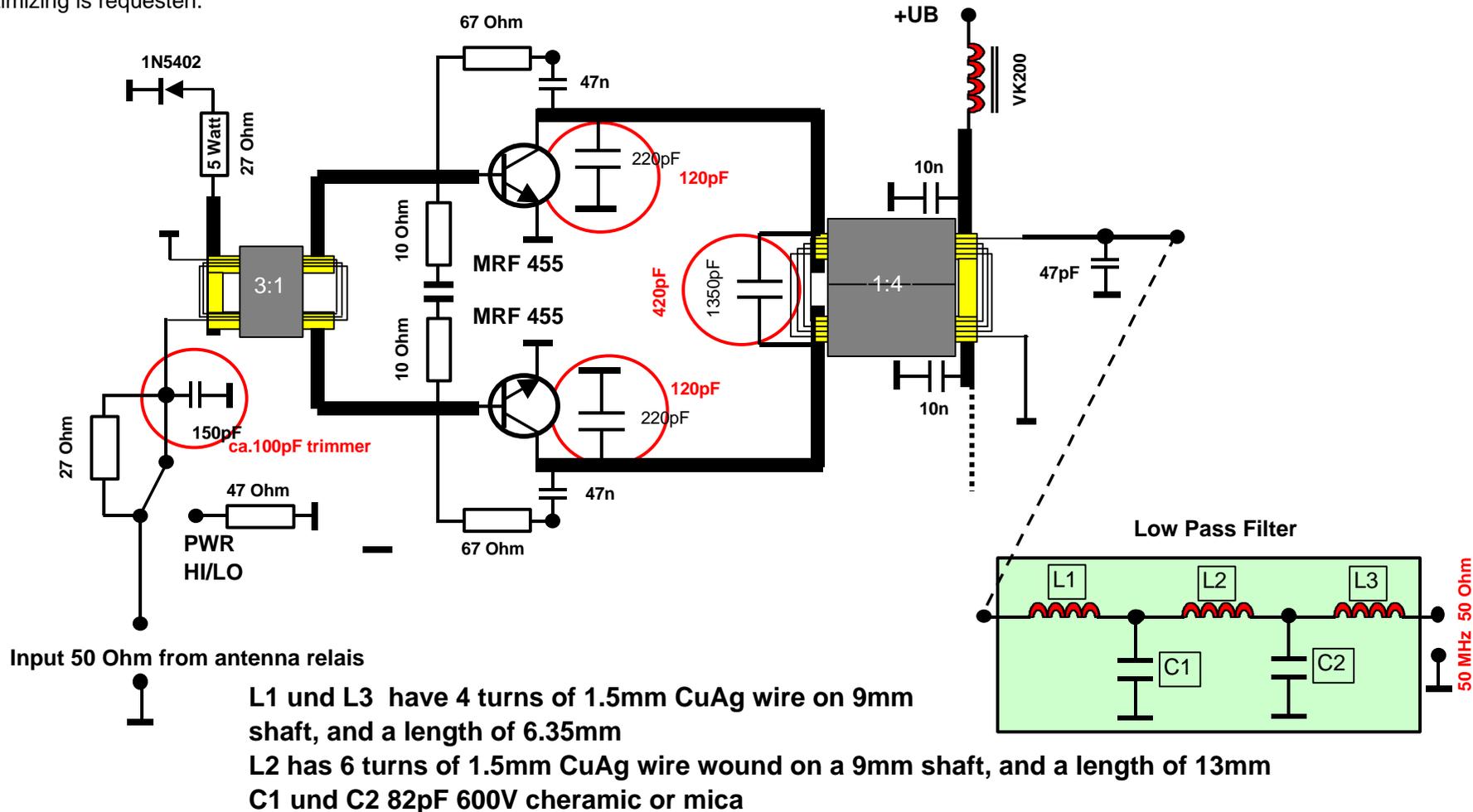
ZETAGI B303 with Board "B303aZG" original HF-circuit (Rev. 11.August.2001)

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HF-schematic of the "B303aZG" after conversion to 50 MHz (Values in red + LPF)

The MRF 455 are being used for 30MHz and don't work that good in this frequency-range, the baluns also need to be replaced for a 100% function. The transistors could be substituted by the MRF 492 after asistematizing the circuit. In this constellation I only made a few changes to the values of capacitors and added a low-pass-filter to the output. Output without LPF 140W(broadband), with LPF about 70W on 6meter. I am sure that further optimizing is requesten.



This is only a first attempt, but it works. My mesuring capabiltyys are overrun and this is the result, as far as I can get I would appriciate if OM`s with better knowledge in HF-construction, would put a bit more information and testing to this projekt. My knowledge to broadband transformers is not good at all, and I am sure that someone else has a few good ideas. I would appreciate getting mails and critiks to this topic (email: dl5dbm@t-online.de), maybe we can find better solutions, there also might be a few mistakes in my kalkulations. (nobody is perfect)!!

73 and good luck, from DL 5 DBM , hope to hear from you soon for discussions!!