

SDR Transceiver mit 300W Endstufe auf Hermes Basis

Ein Selbstbauprojekt

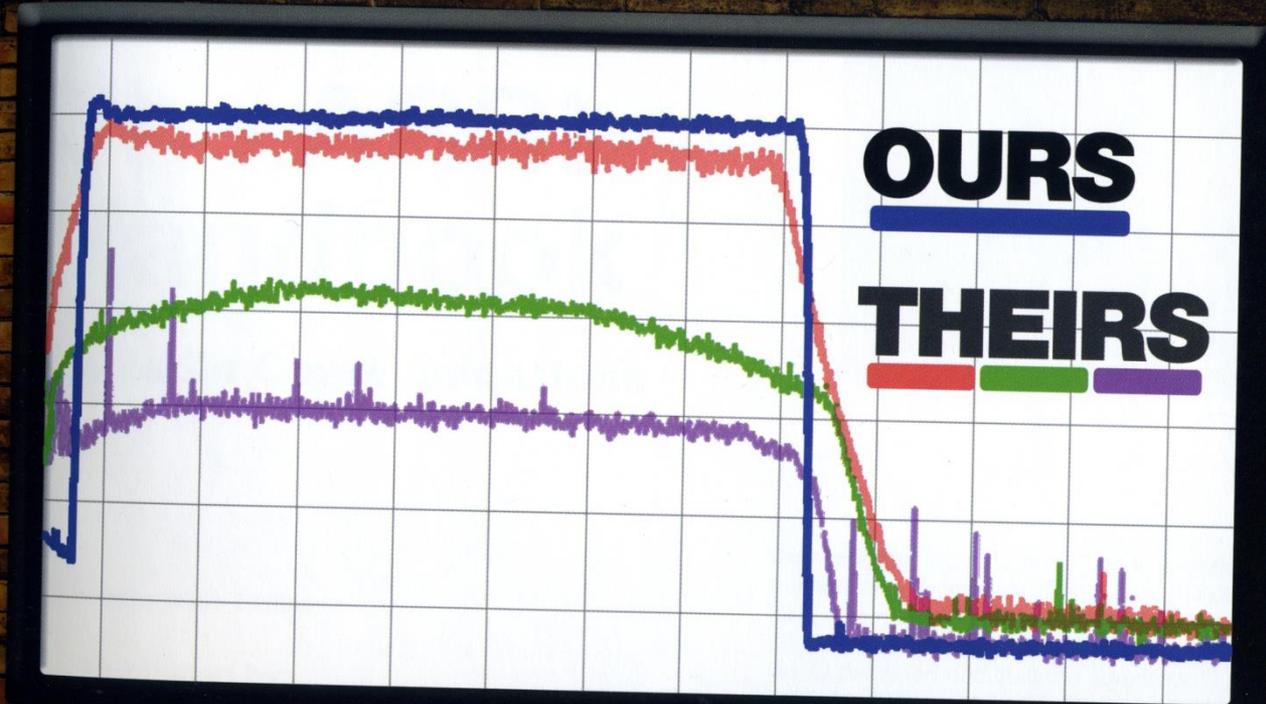
von

Johannes, DJ5DM und Arno, DJ7KX



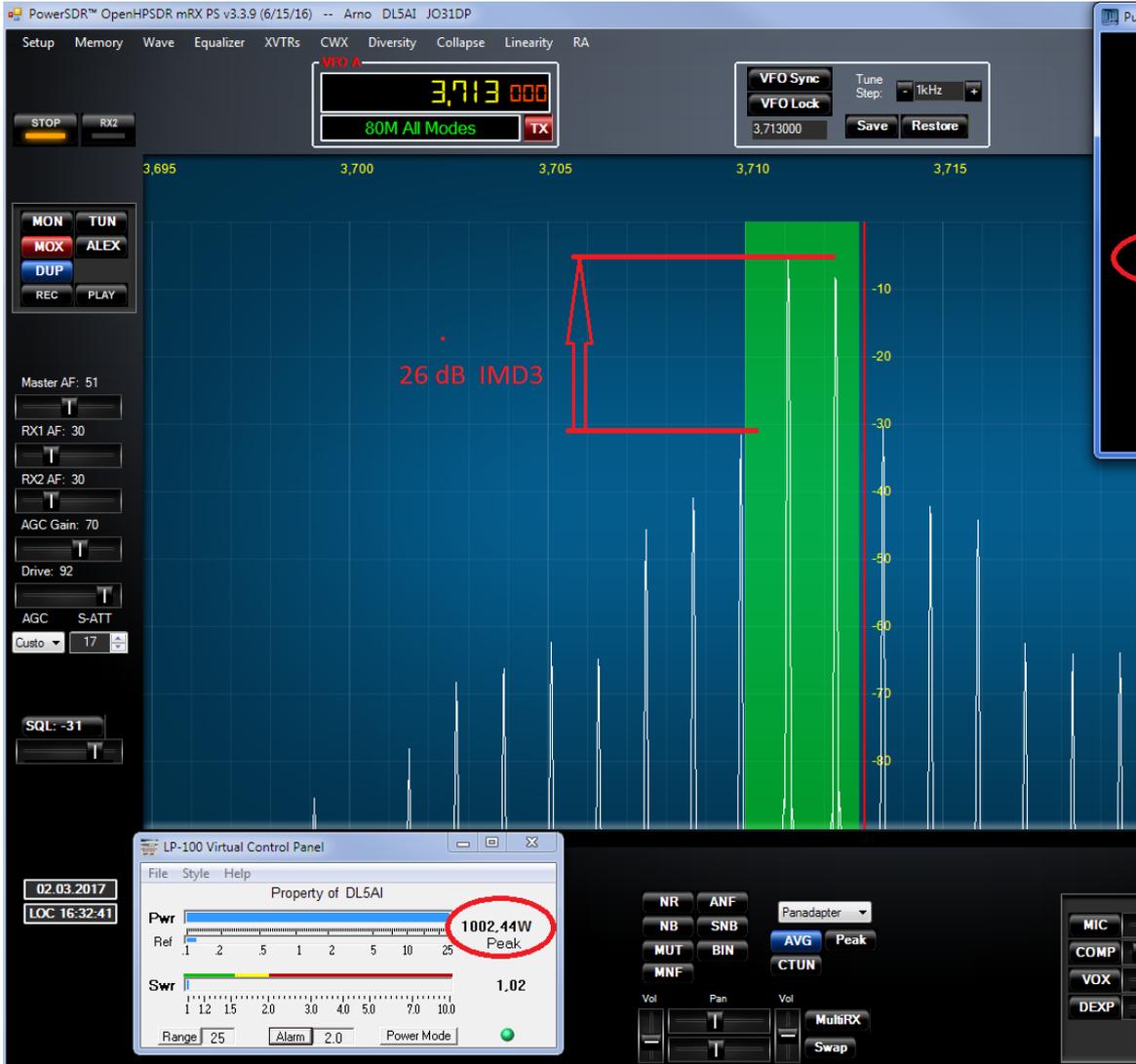
brick wall /brɪk - wɔːl/ - *noun*

anything or anyone that is impenetrable, unrelenting, or unyielding





Microtelecom s.r.l. - S.S. 352 Udine-Grado Km. 3,6 - 33050 Lausacco (Pavia di Udine) - ITALIA - Tel. 0039-0432-655213 Fax. 0039-0432-665391
www.microtelecom.it



PureSignal 1.0

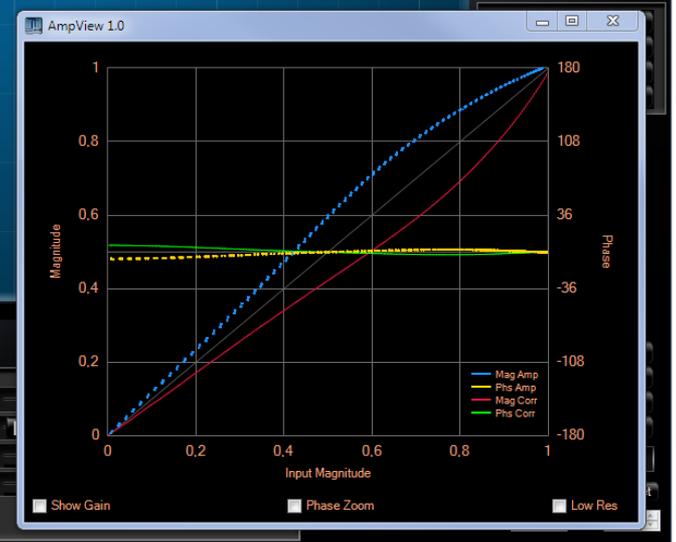
PureSignal requires special hardware setup and caution in use. If you are not familiar with this technology, click 'Information'.

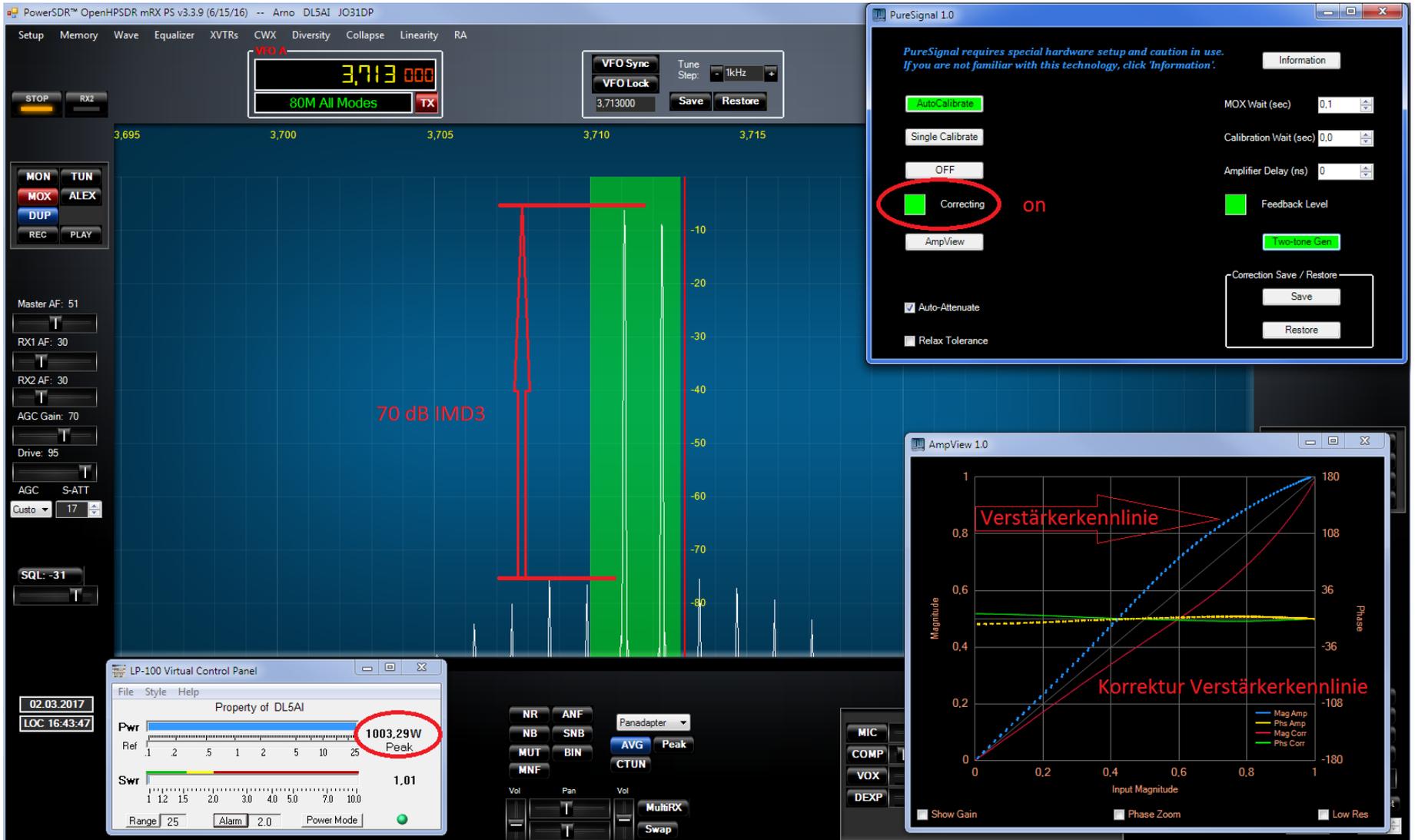
AutoCalibrate
Single Calibrate
OFF
Correcting **off**
AmpView

MOX Wait (sec) 0.1
Calibration Wait (sec) 0.0
Amplifier Delay (ns) 0
Feedback Level
Two-tone Gen

Correction Save / Restore
Save
Restore

Auto-Attenuate
 Relax Tolerance





VFO A
3,716 000
75M Ext/Adv SSB TX

VFO Sync Tune Step: - 1kHz +
VFO Lock
21,309000 Save Restore

VFO B
3,719 000
TX 75M Ext/Adv SSB

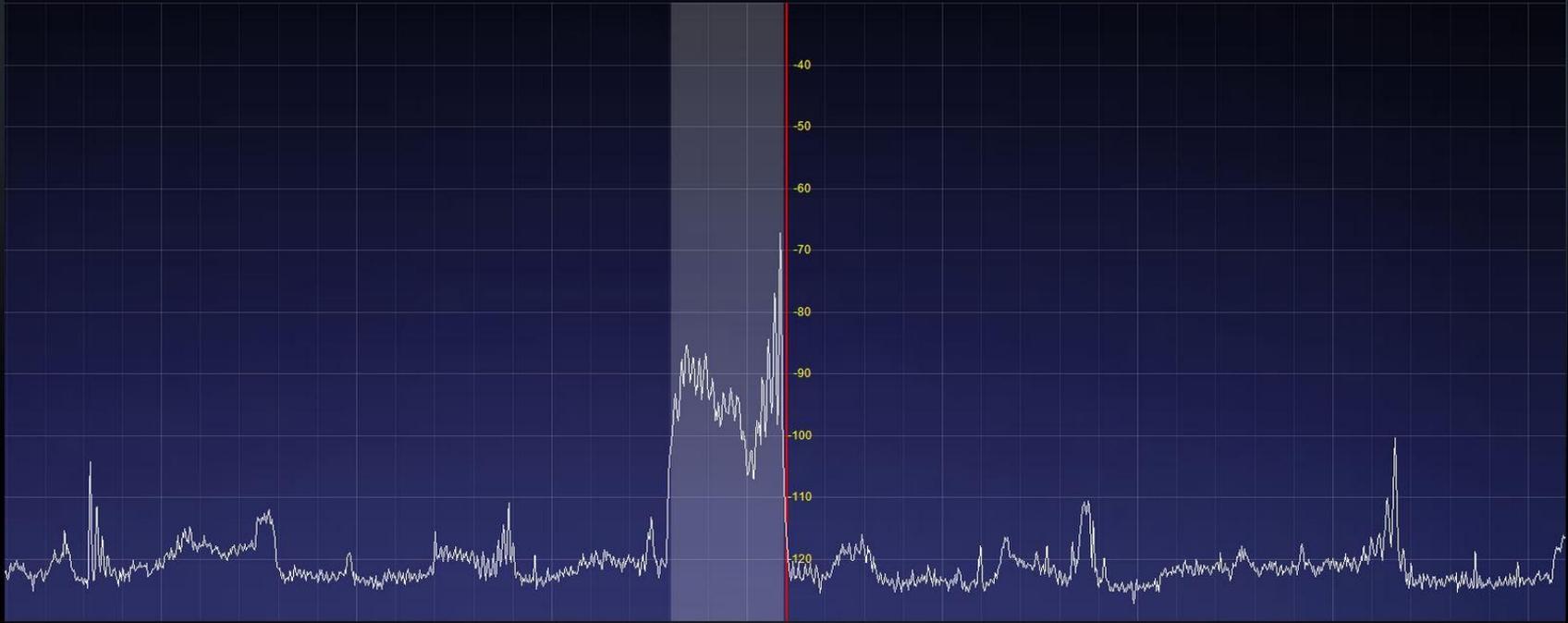
STOP

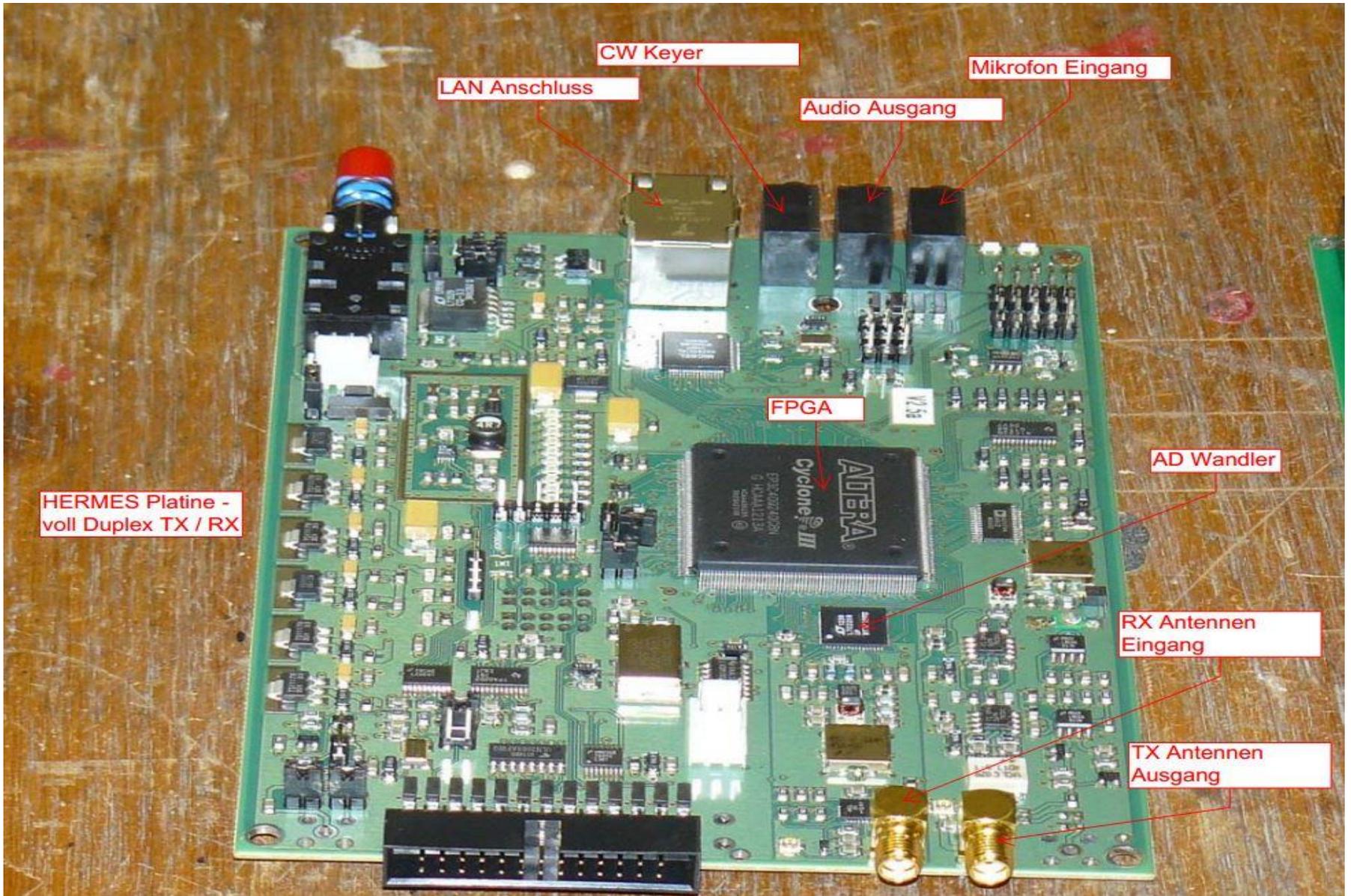
3.700.0 3.705.0 3.710.0 3.715.0 3.720.0 3.725.0 3.730.0 3.735.0

MON TUN
MOX ATU
MUT BYP
REC PLAY

AF: 19
AGC-T: 57
Drive: 100
AGC Preamp
Fast Off

SQL: -106





CW Keyer

LAN Anschluss

Mikrofon Eingang

Audio Ausgang

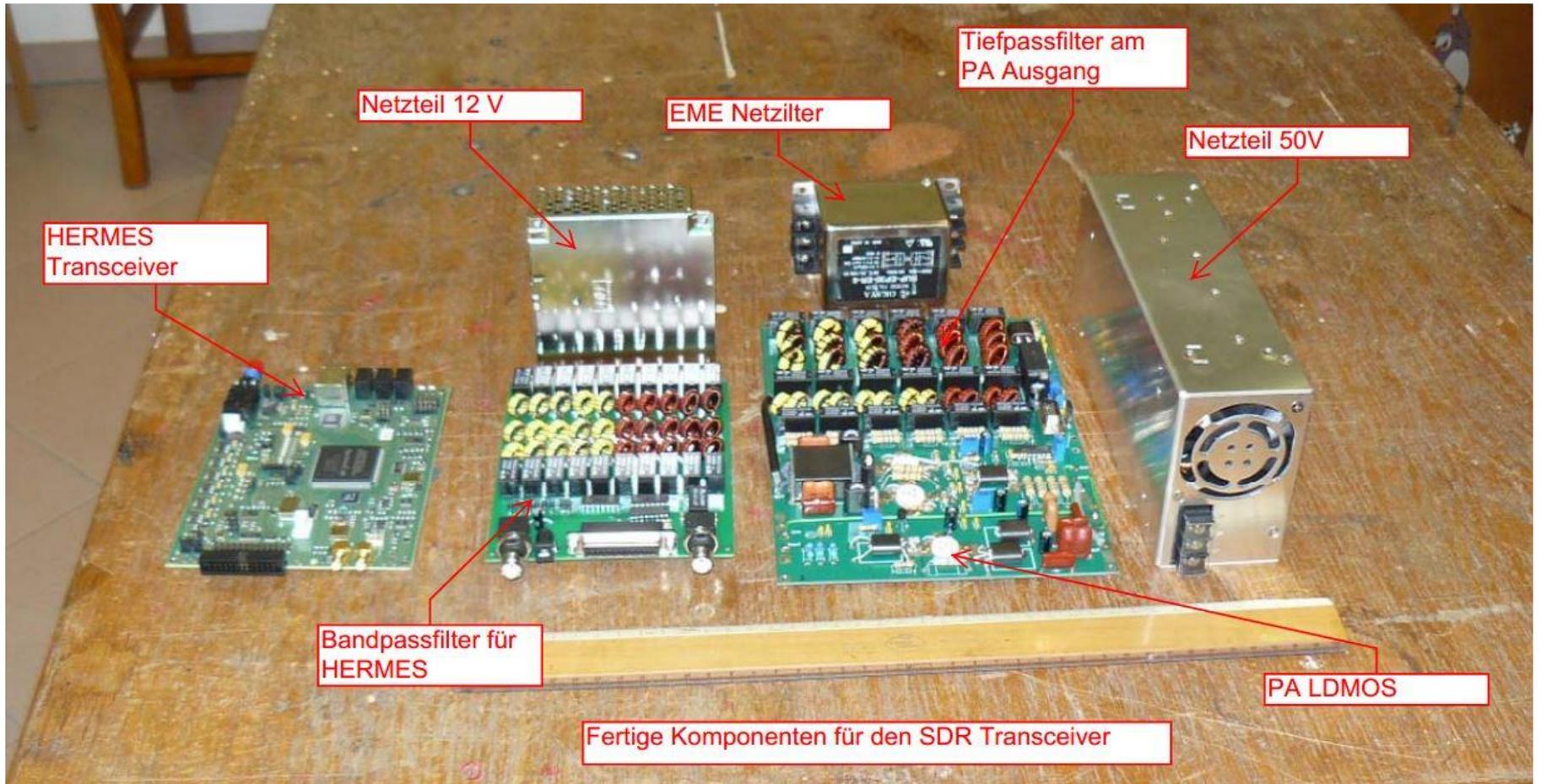
FPGA

AD Wandler

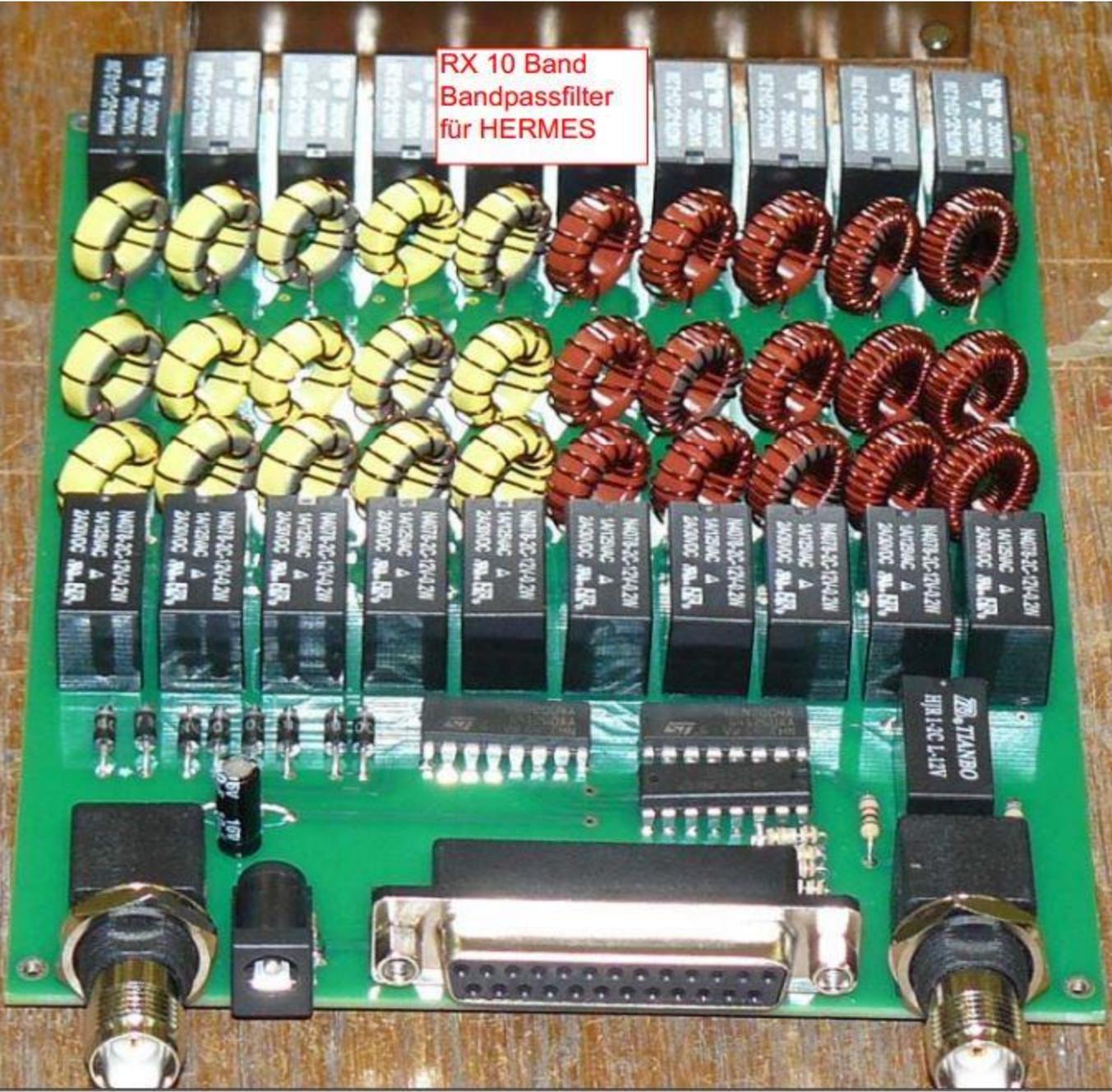
HERMES Platine -
voll Duplex TX / RX

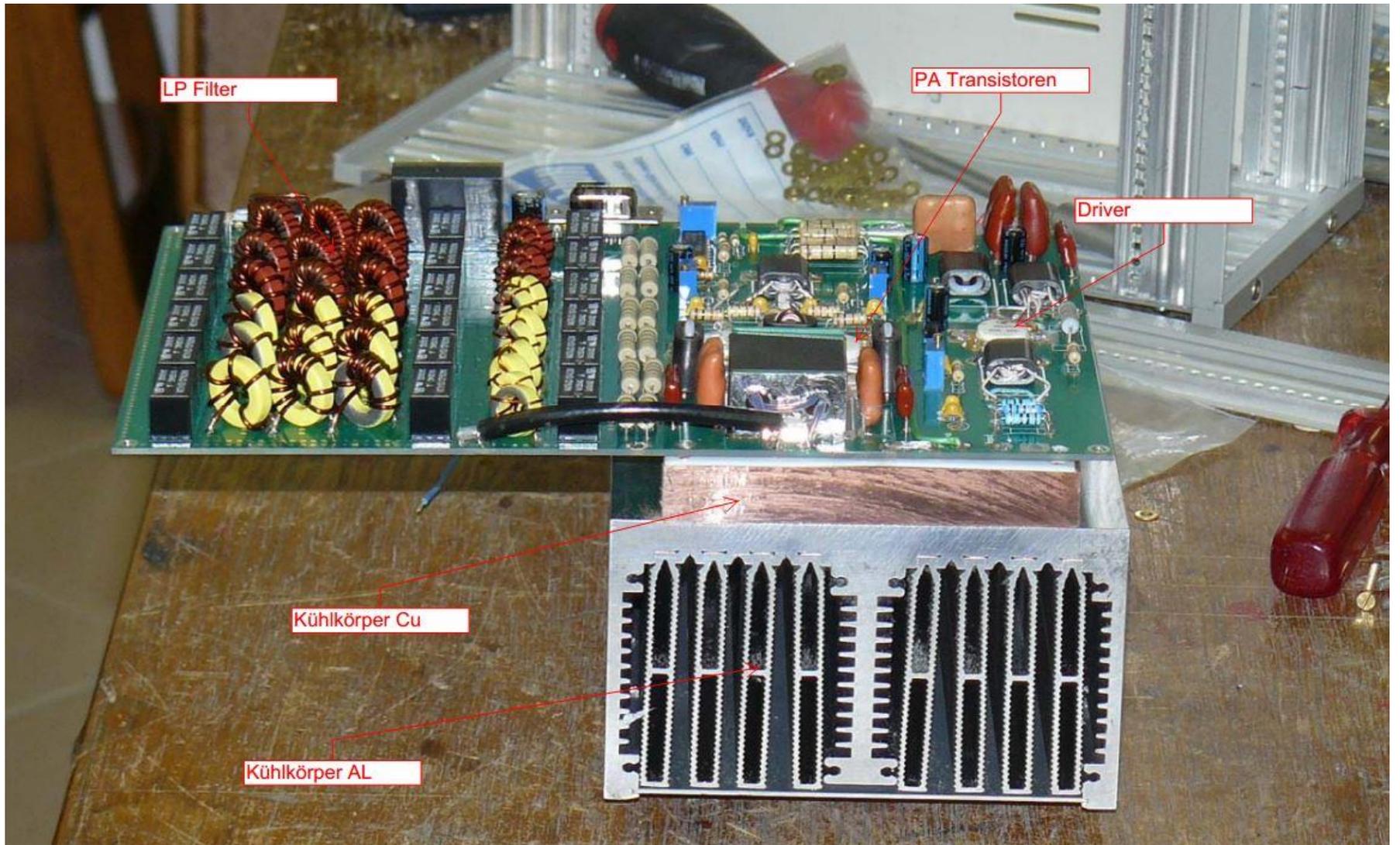
RX Antennen
Eingang

TX Antennen
Ausgang



RX 10 Band
Bandpassfilter
für HERMES





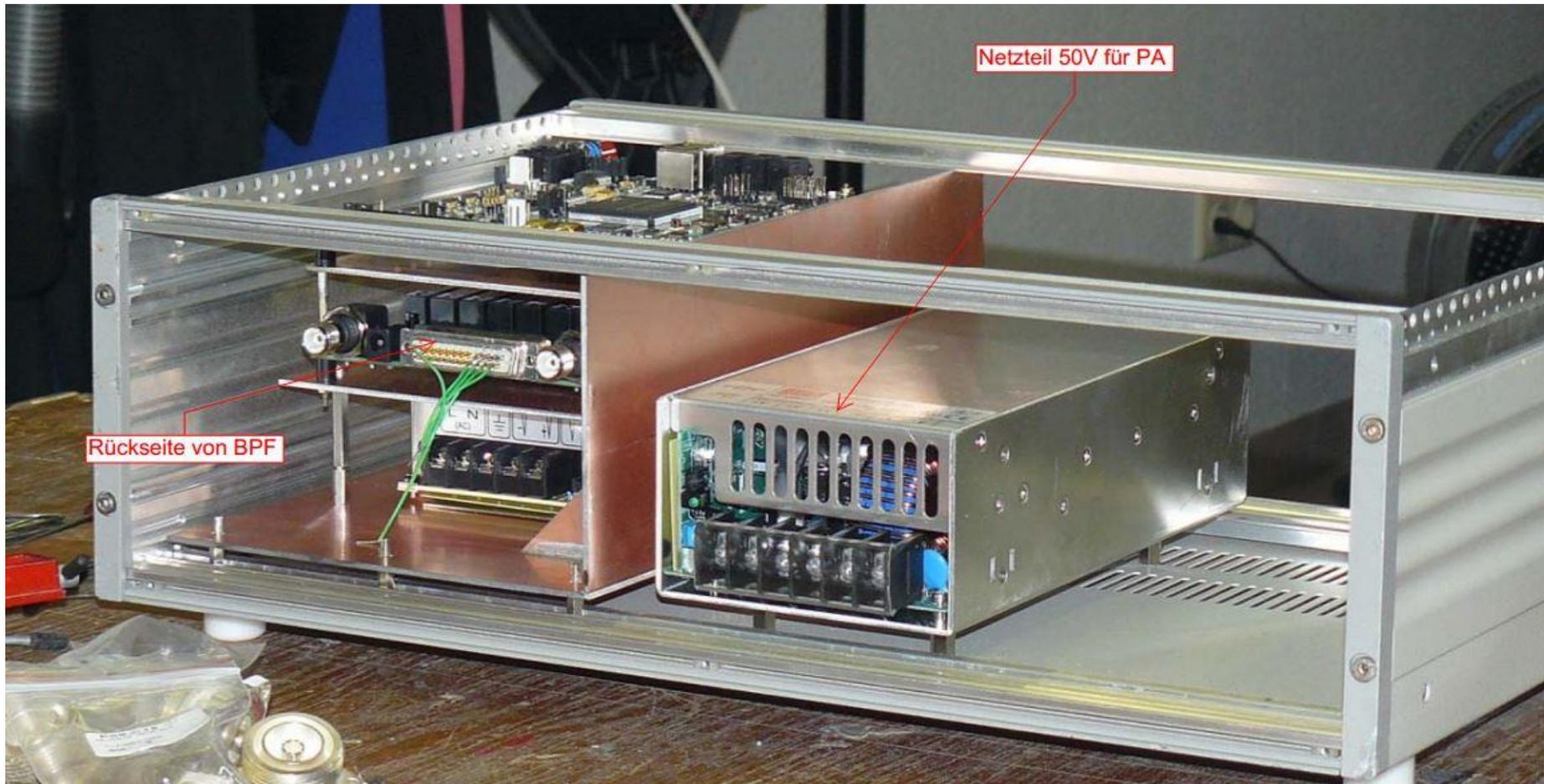
LP Filter

PA Transistoren

Driver

Kühlkörper Cu

Kühlkörper AL



Netzteil 50V für PA

Rückseite von BPF







Bezugsquellen:

Hermes Board: g.loch@nt-electronics.de

RX-Filter, 300W PA mit Splitfilter: <http://eb104.ru/internet-magazin>

Netzteile, Kühler, Lüfter: Reichelt Elektronik

SDR Software: <http://openhpsdr.org/>

Gehäuse: 3HE 19“, Flohmarkt

Ein kleiner Ausblick auf das aktuelle Projekt:



Vielen Dank für Eure Aufmerksamkeit!

DJ7KX, Arno