

DMR RELAIS

MIT MMDVM

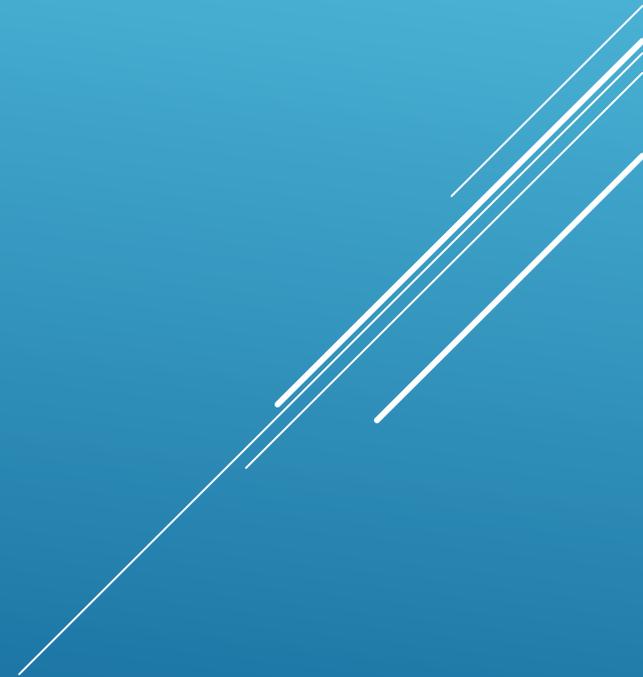
Markus Fackler DL1GFM

Jürgen Kürz DD9GJ

MMDVM steht für:

Open Source Multi-Mode Digital Voice Modem

D-STAR, DMR, Fusion, P25,



Benötige Baugruppen für ein Relais mit MMDVM

Rechner für die Hostsoftware: MMDVMHost

Es reicht ein Raspberry Pi oder ähnlich aus, kann aber auch ein Windows Rechner sein.

Hardware für das Modem:

Arduino DUE als Modem

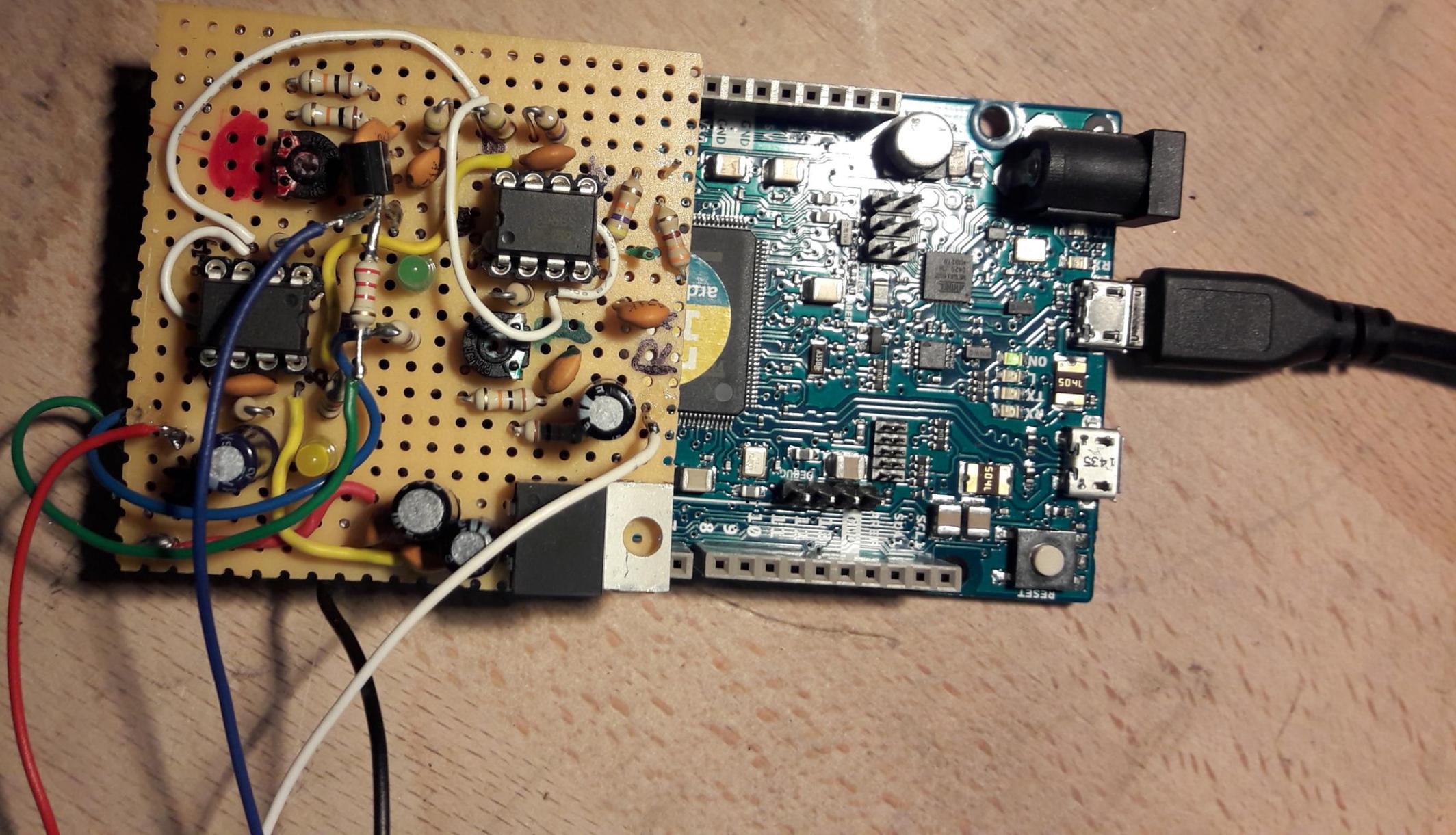
Aktiver NF-Bandpass (Eigenbau oder fertige Platine)

Software für den Arduino DUE: MMDVM

Funkgeräte:

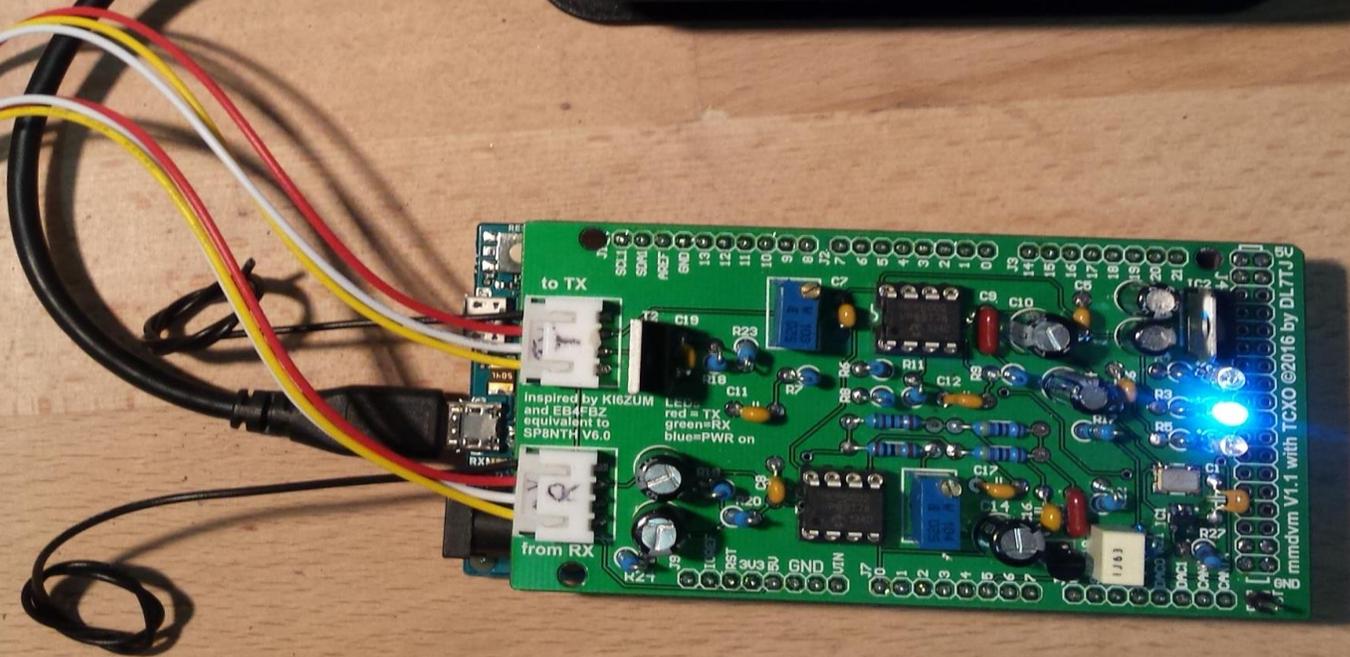
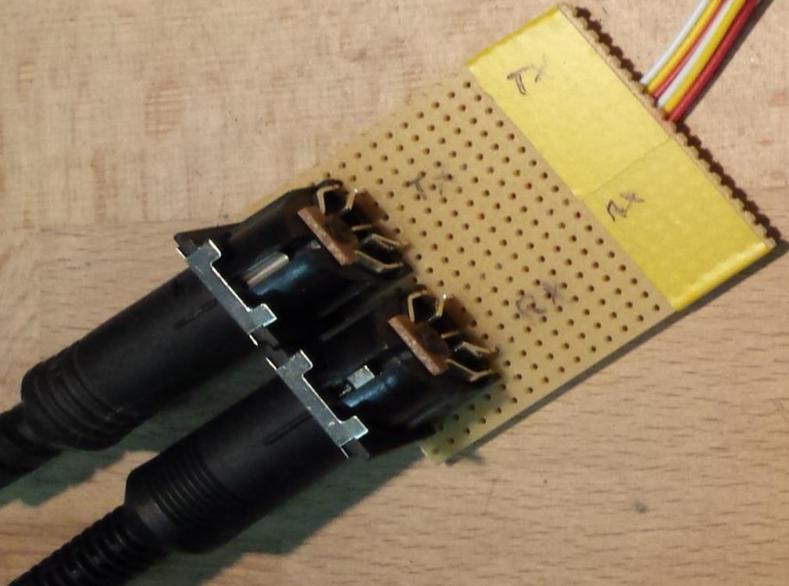
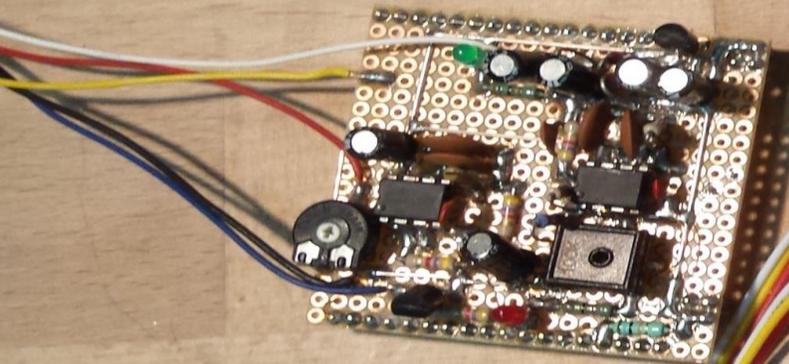
Es wurden viele 9k6 taugliche TRXe getestet.

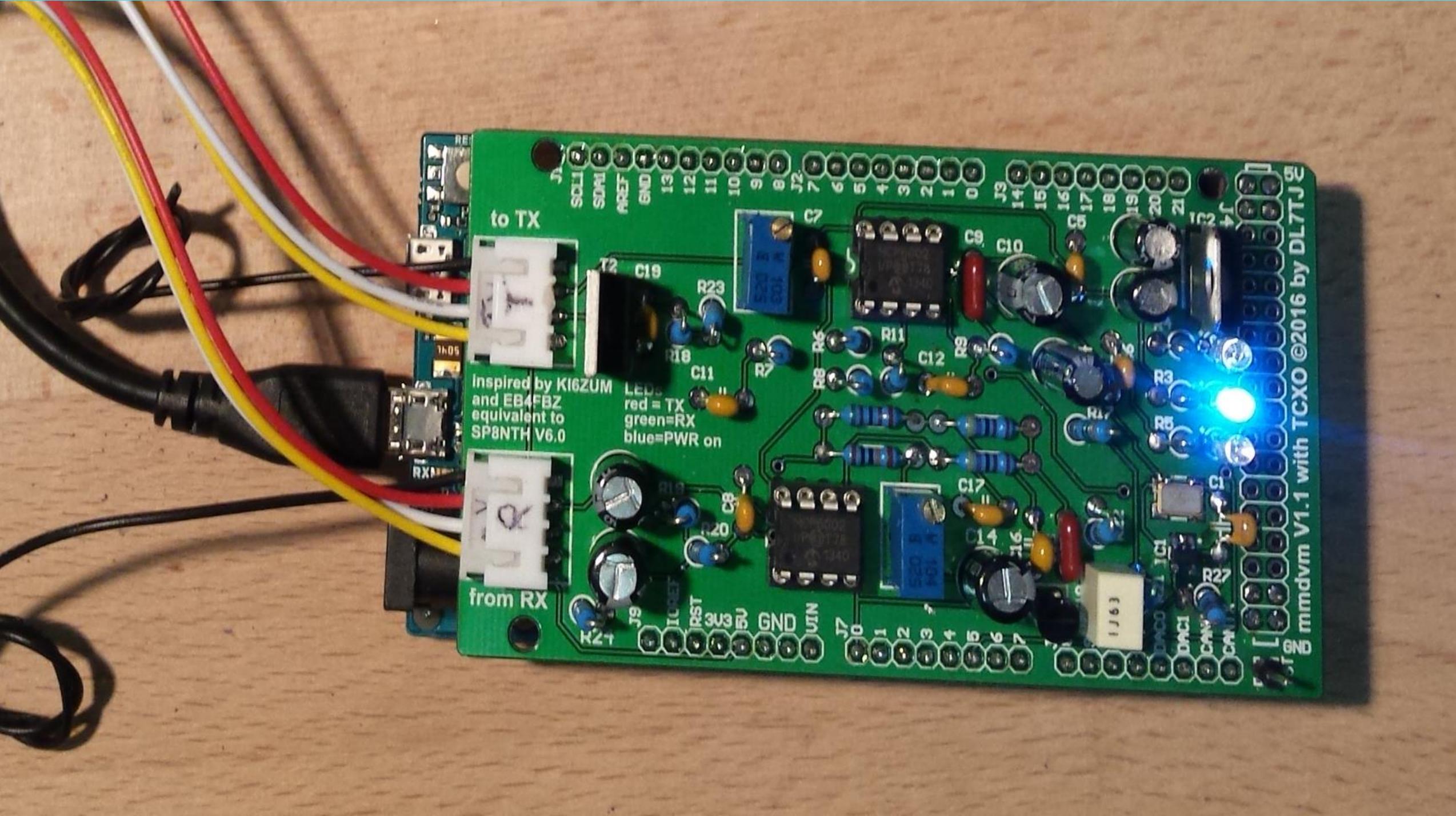
Der TRX muss einen linearen Frequenzgang haben



MMDVM
MULTIMODE DIGITAL VOICE MODEM
DL1GFM / 2627326
MMDVM IDLE
27.08.2016 12:51:34

to TX
from RX
Inspired by K1E2UM and EE4FBZ equivalent to SP8NTH V6.0
LED = TX
green=RX
blue=PWR on
mmdvm V1.1 with TCXO ©2016 by DL1GJE





to TX

from RX

Inspired by KI6ZUM
and EB4FBZ
equivalent to
SP8NTH V6.0

LEDs
red = TX
green = RX
blue = PWR on

mmdvm V1.1 with TCXO ©2016 by DL7TJ

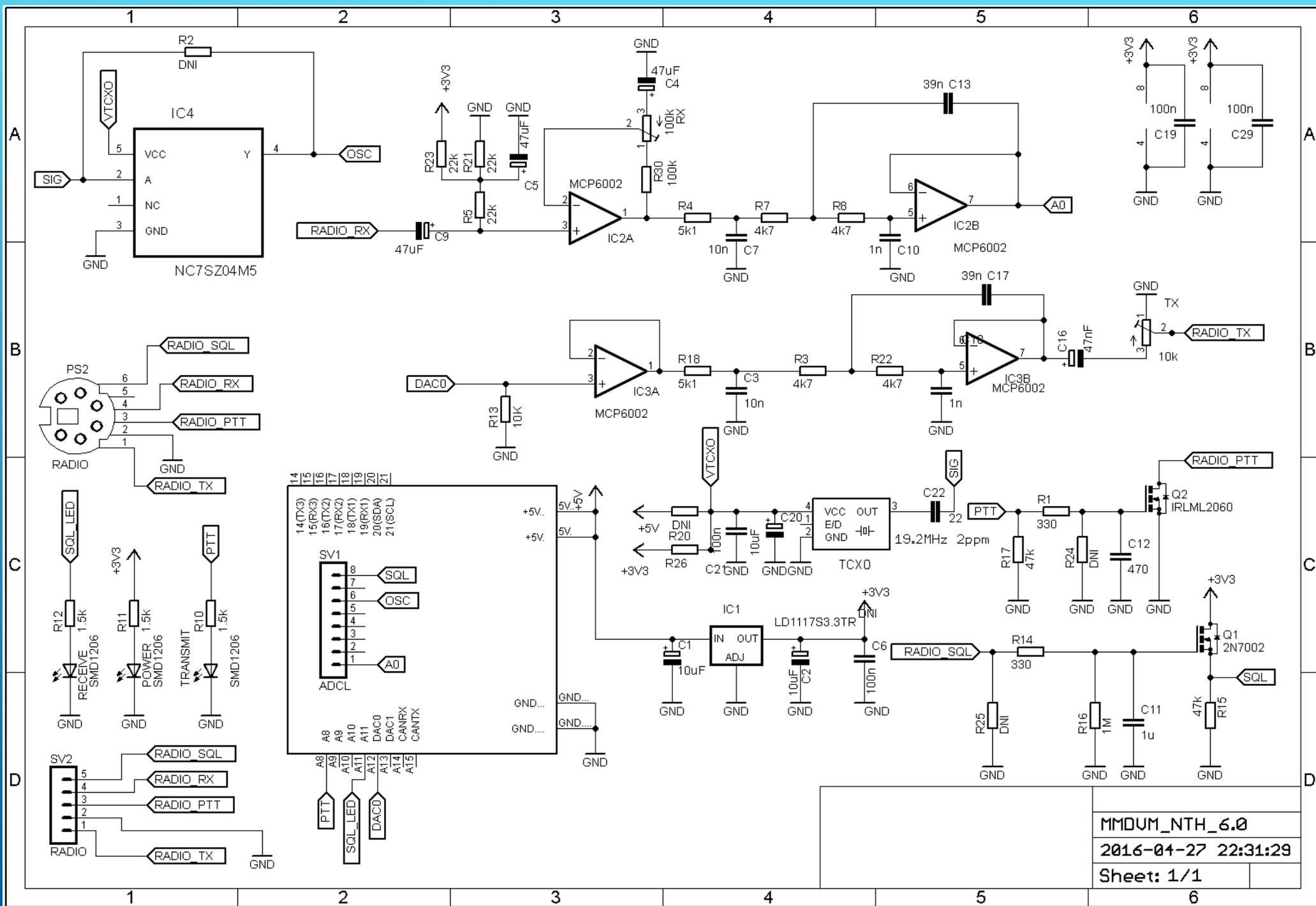
MMDVM
MULTIMODE DIGITAL VOICE MODEM

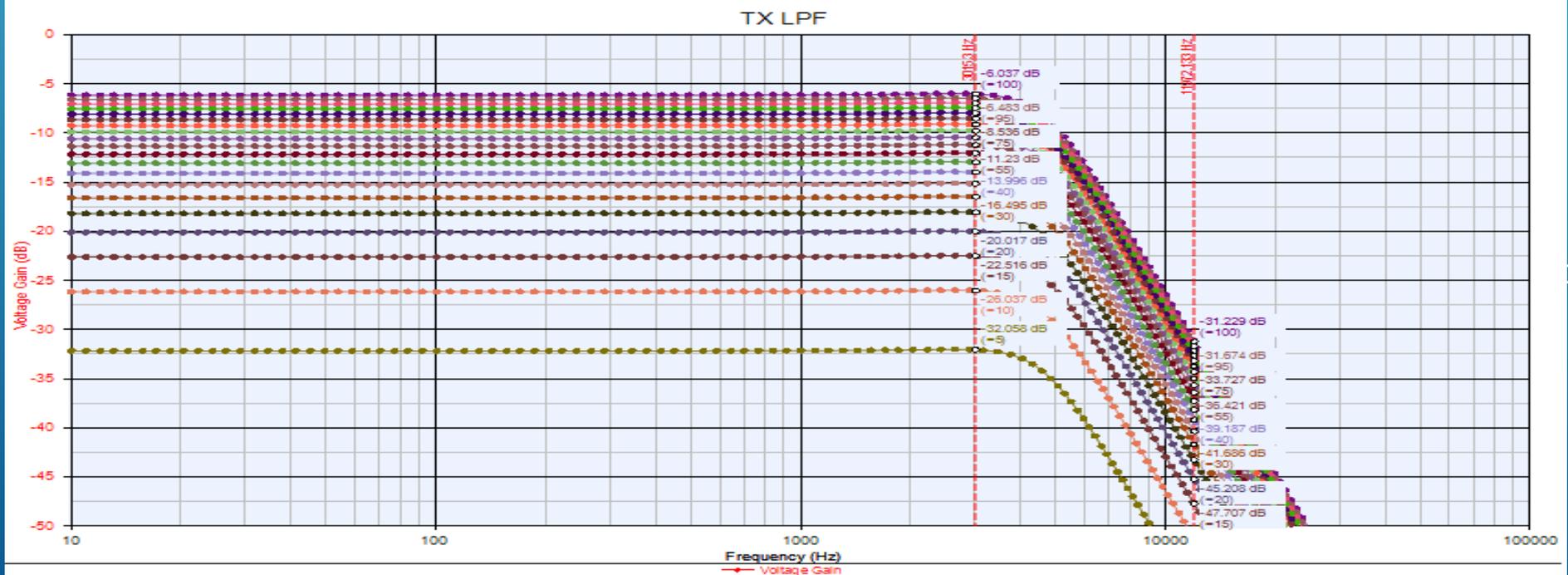
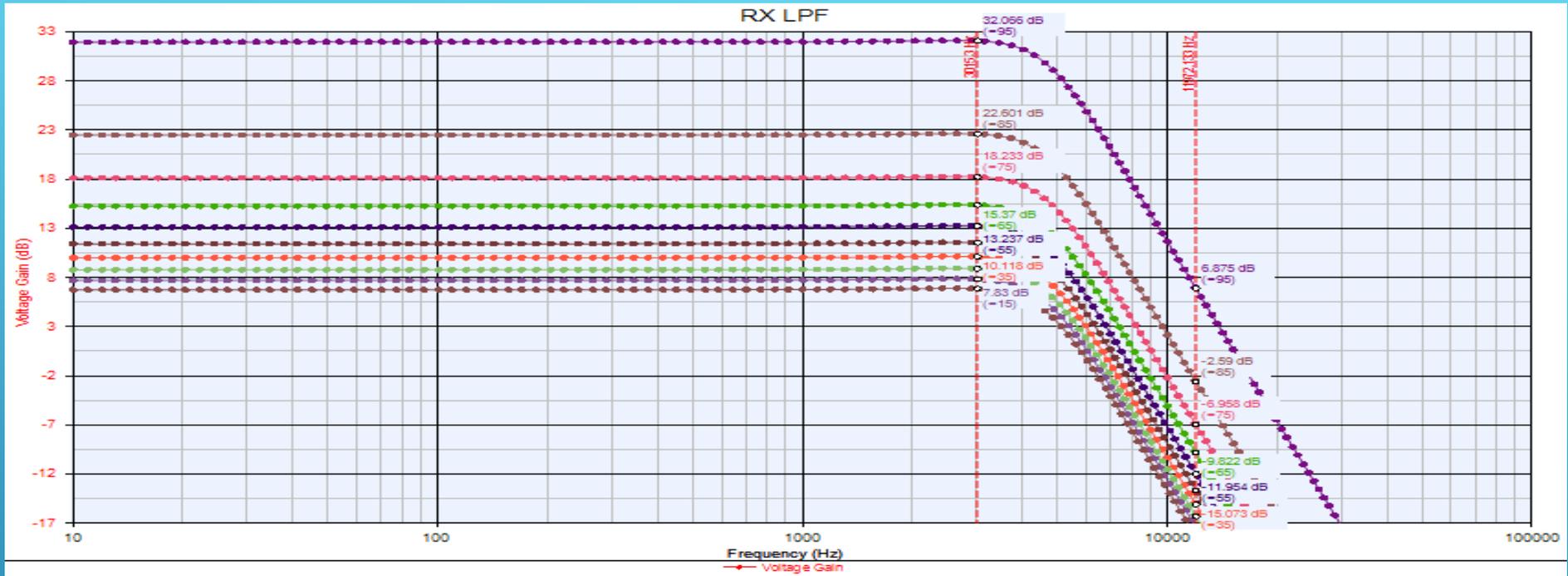
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MMDVM IDLE

17.02.2017 14:55:00

2408-SZ





<http://mmdvm.blogspot.de/>

<https://groups.yahoo.com/neo/groups/mmdvm/info>

<https://github.com/g4klx>

<https://github.com/dl5di/OpenDV>

<http://wiki.bm262.de/doku.php?id=anleitung:mmdvm:mmdvm>