B26 RF2K+

… a PA – a bit different

RF-KIT
POWER AMPLIFIER

Key facts

What are the main features of this Power Amplifier?

- Shortwave Amplifier 1.8 – 30 MHz 2k+ and 50 MHz 1K+
- Excellent Signal Quality
- 1x TRX in , 4x ANT out
- Precision Watt Meter from 1 W to 3 KW
- Very quiet industrial power supply 52V / 3KW, 90 – 290 VAC
- PA runs very quietly = all fans are temperature controlled
- Interfaces – LAN, USB, CAT, ATU/AUX, BAND
- Measuring output 0dB (Predistortion)
- 7“ touch display, multilingual
- 100% remotely via LAN/WAN via VNC Viewer (WIN, IOS, LINUX,Android)
- Controllable in the shack via WLAN possible
- Software update via internet
- Option: Automatic Antenna Tuner

RF-KIT
POWER AMPLIFIER

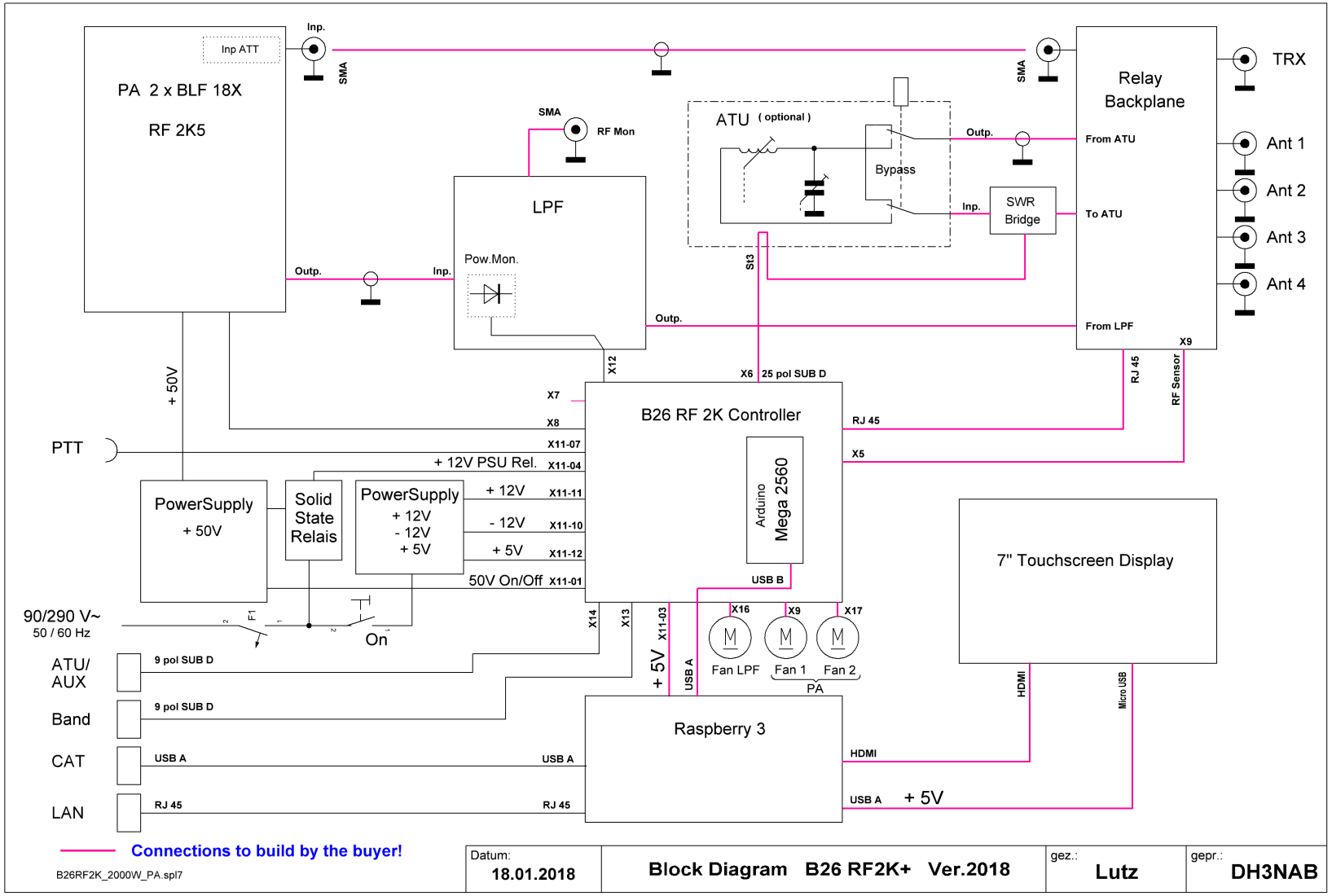
Key facts

What can the PA do?

P in	Attenuator	P out
0.5 W	3 db	~ 1 KW
0 – 3 W	3 db	~ 2 KW
5 W	13 db	~ 1 KW
0 – 30 W	13 db	~ 2 KW

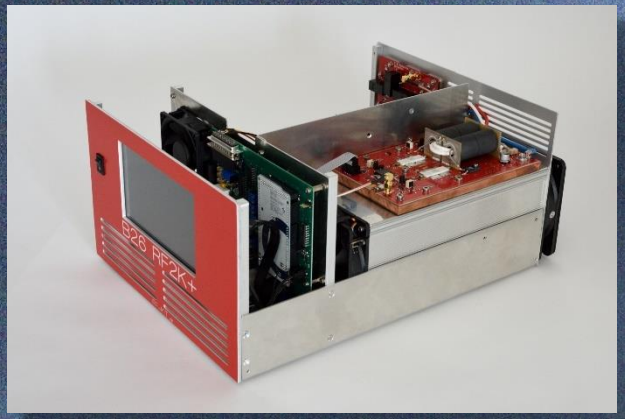
- Attenuator can be changed at any time (z.B 3, 10, 13 oder 16dB)
- Usally lower Transmitter drive yields better IMD3 (3rd harmonic distortion)
- PA can be operated on any TRX – whether SDR or Icom or …

RF-KIT POWER AMPLIFIER



RF-KIT POWER AMPLIFIER

PA kit



What does the Kit include?

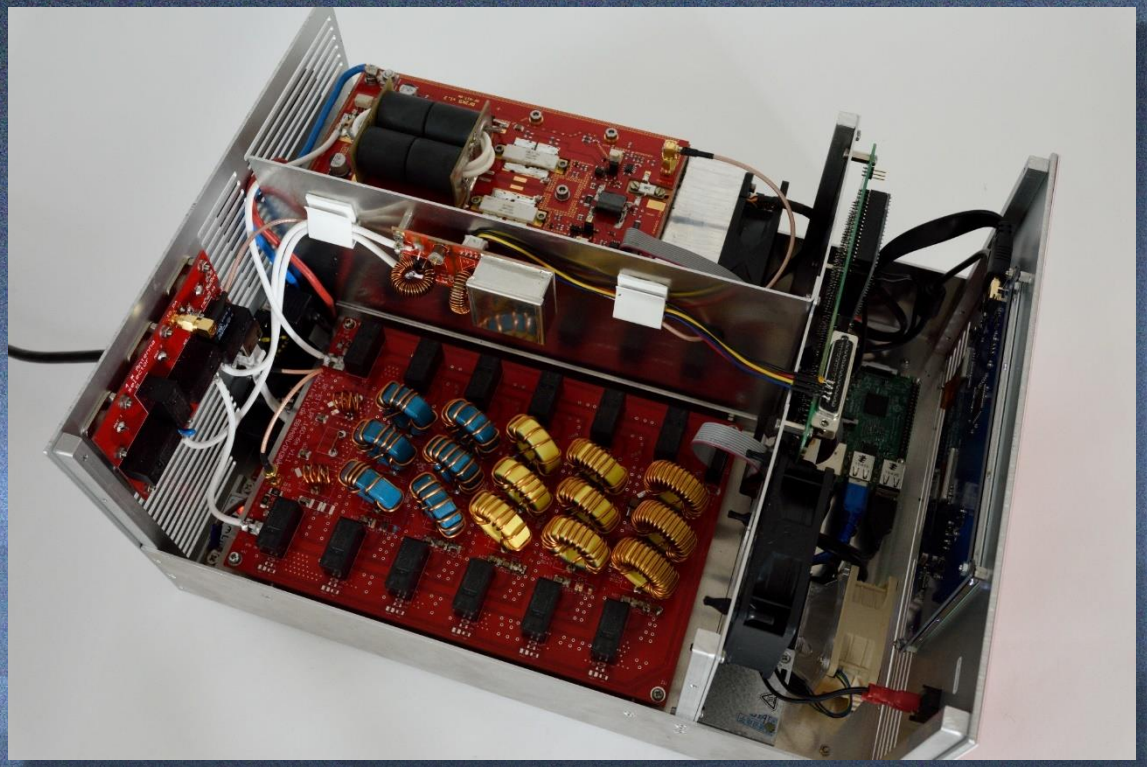
- A nearly finished built in the housing amplifier
  - Power supply 52V 3KW (90-290VAC)
  - Low Pass Filter
  - Controller with Arduino
  - Option: Automatic Antenna Tuner
  - Touch Display 7“
  - Ready build in and matched RF-module (heat sink, copperplate, HF-Board, 2X BLF18x)

- Accessory bag
  - C19 Power cable plug for 15A at 230VAC
  - sufficient Teflon coax cabel -> internal HF- wiringg
  - Micro SD card with software for Raspberry ®

- All documentations (curcuit diagram, manuals, instructions ..) are free accessible

RF-KIT POWER AMPLIFIER

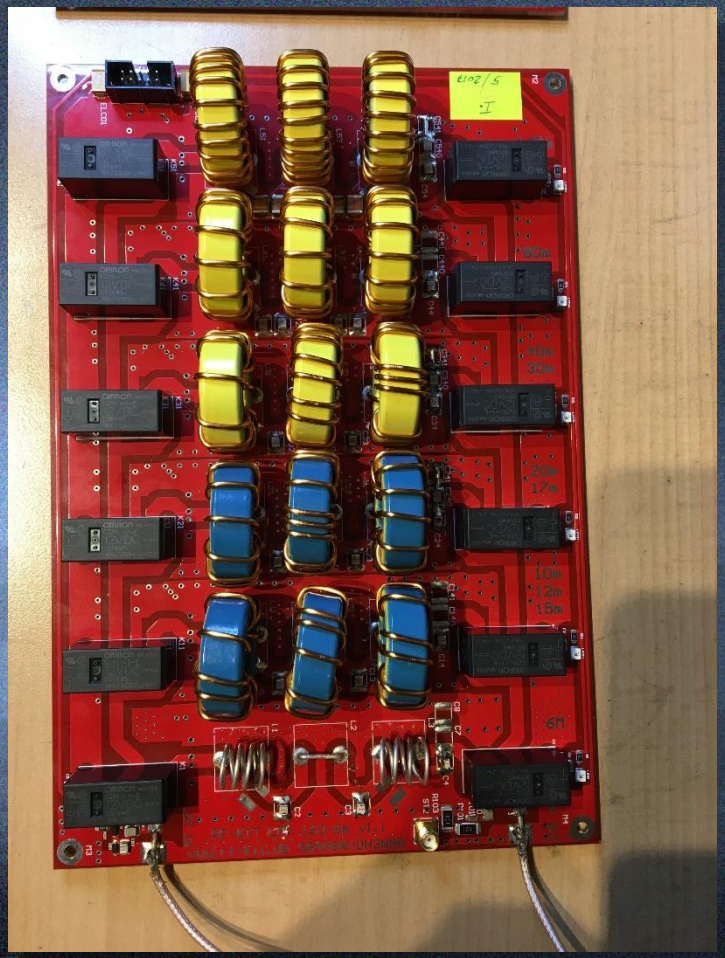
PA kit



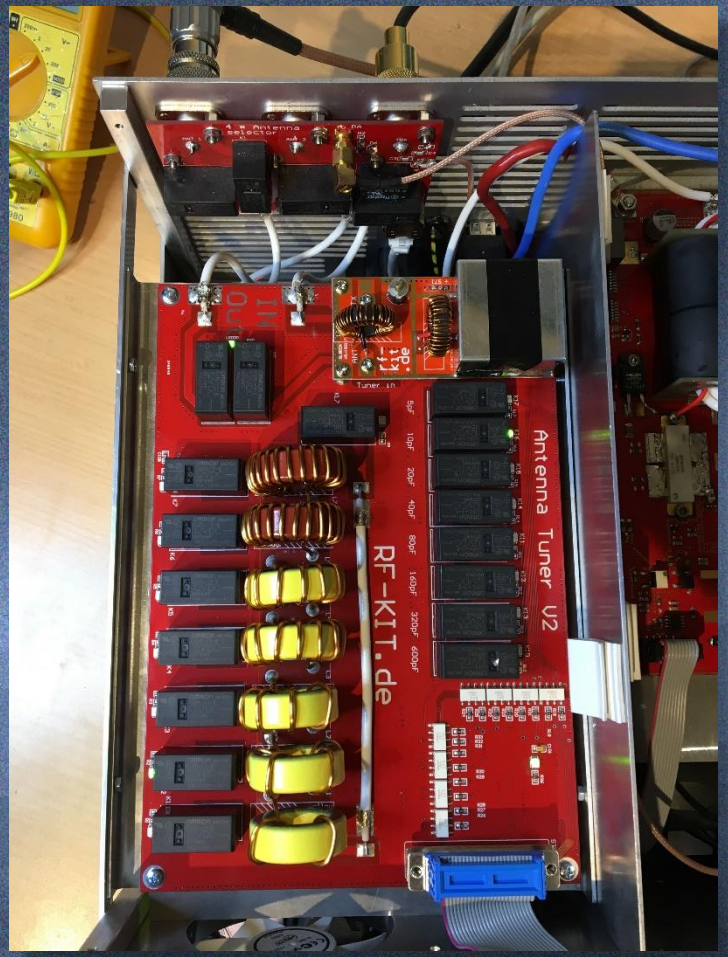
RF-KIT
POWER AMPLIFIER

PA Kit

Low Pass Filter



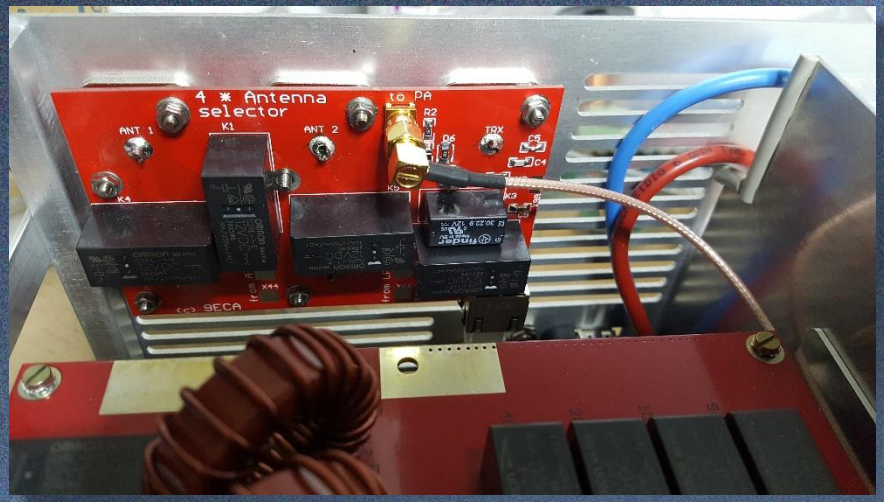
Option: Automatic Antenna Tuner



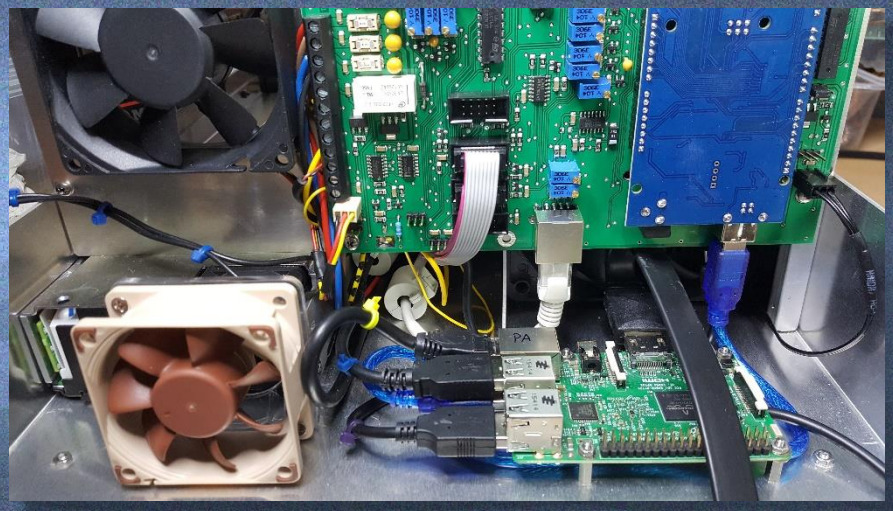
RF-KIT
POWER AMPLIFIER

PA kit

Antenna Relay Board



Controller board



PSU 52V

Raspberry 3

RF-KIT POWER AMPLIFIER

from kit to finished PA

What else do you need to get ?

- 1x Raspberry 3 ® (approx. $35)
- 1x fan 8cm 12V (see list recommended fans – approx. $12)
- 2x fan 12cm 12V (see list recommended fans – approx. $20)
- 1 power cord (3x1,5mm²) and plug (wired to supplied plug that matches socket installed in PA)

RF-KIT POWER AMPLIFIER

from kit to finished PA

What do you have to do ?

- Install Raspberry (standoffs are already mounted)
- Install 1x 8cm 12v fan
- Install 2x 12cm 12v fan
- Cut Coax to lenght and solder coax wiring between circuit boards (Teflon coax cable supplied in kit)
- Load supplied SD card software (Raspberry Pi) and initialize communication between B26 Controller and Raspi touch screen/remote PA interface
- Calibrate and align PA

Enjoy your new (1TX in, 4 Ant switched output) LDMOS Power Amplifier /ATU for many years to come

RF-KIT POWER AMPLIFIER

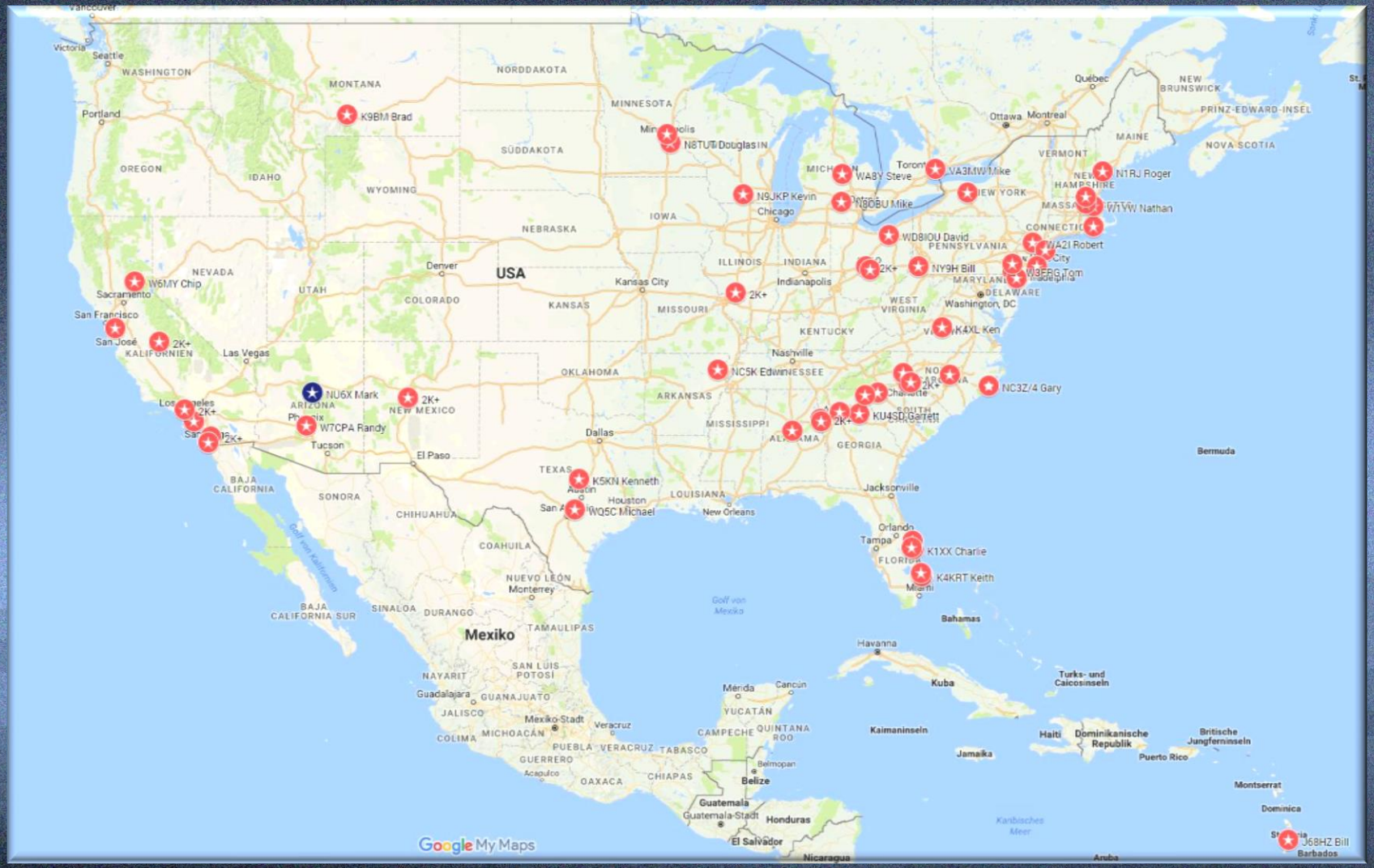
Connect to the growing list of proud RF-Kit owners from around the world at our Yahoo Group:

B26_rf01_pa

RF-KIT POWER AMPLIFIER

Connect to the growing list of proud RF-Kit owners from around the world at our Yahoo Group:

B26_rf01_pa



RF-KIT POWER AMPLIFIER

Connect to the growing list of proud RF-Kit owners from around the world at our Yahoo Group:

B26_rf01_pa

Information

Web: RF-Kit.de
Yahoo Group: B26-PA
Facebook: B26-PA

Email: info@rf-kit.de

RF-KIT
POWER AMPLIFIER