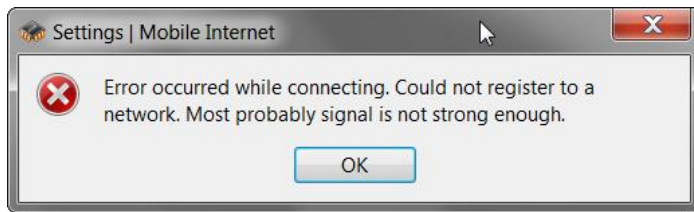
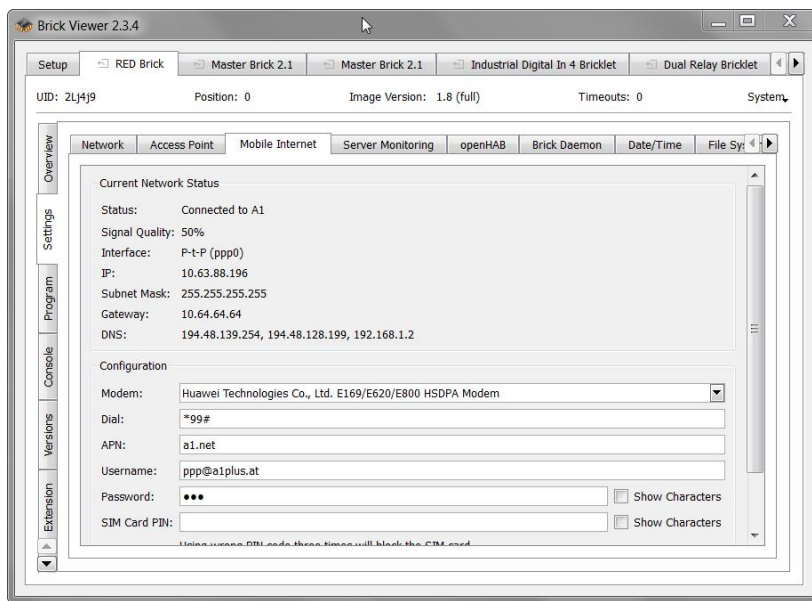


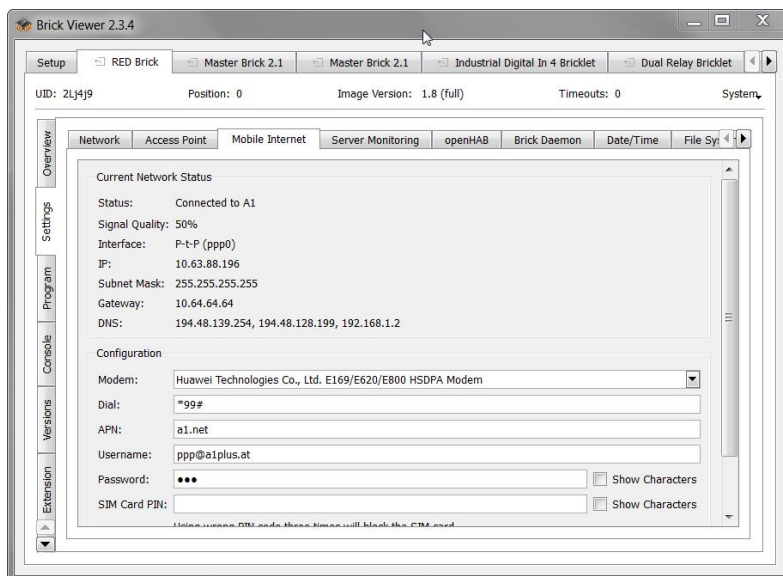
Tinkerforge hsupa #1 :



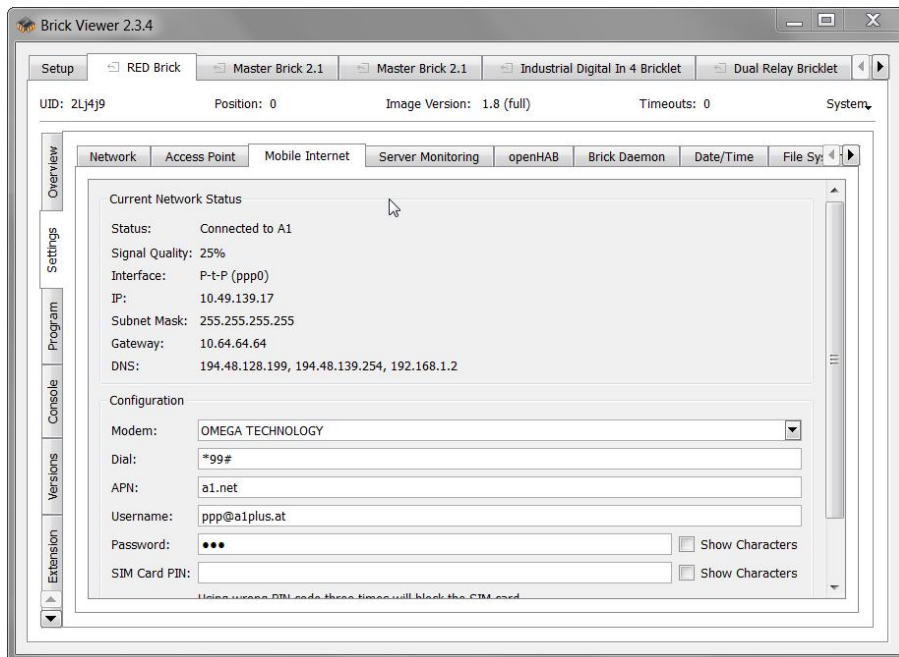
Tinkerforge hsupa #2 : 50%



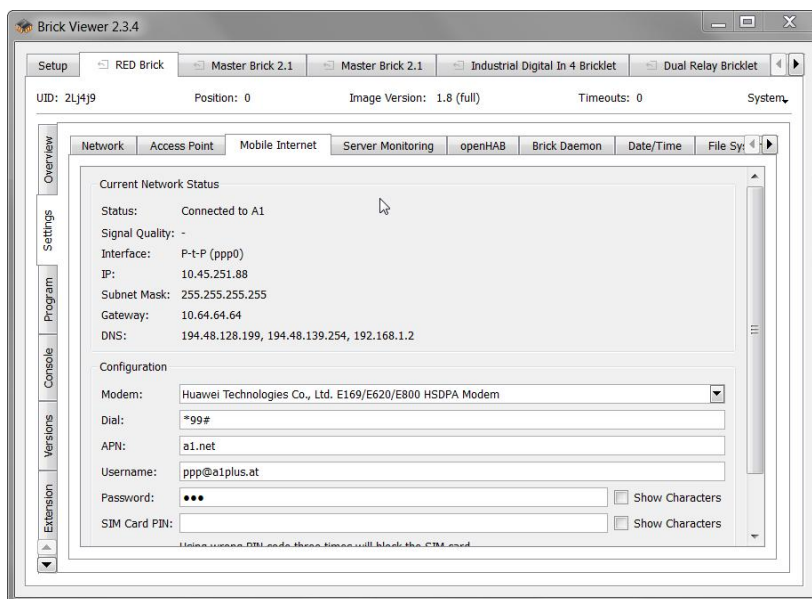
Tinkerforge hsupa #3 : 50%



G4 XS P14 : 25%



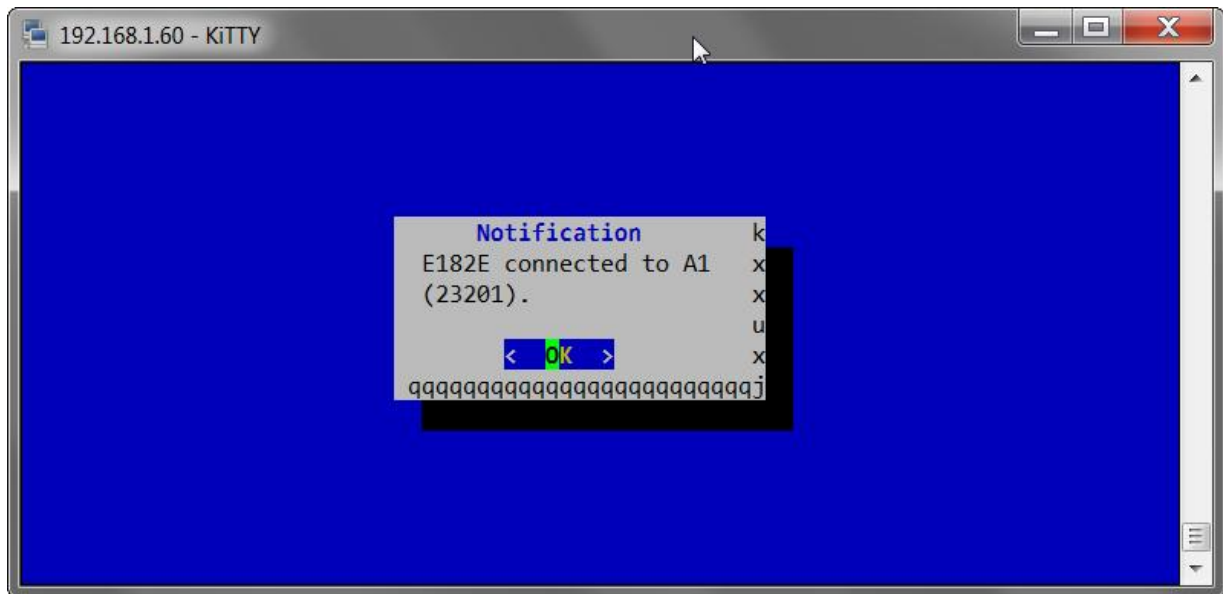
(very old) E169 : working ...



E182E HSPA+ :



.... But If i connect with sakis3g –interactive :



```
root@red-b/usr/umtskeeper/sakis3g info
```

Connection Information

Interface: P-t-P (ppp0)

Connected since: 2016-04-11 09:54

Kilobytes received: 2

Kilobytes sent: 2

Network ID: 23201

Operator name: A1

APN: a1.net

Modem: E182E

Modem type: USB

Kernel driver: option

Device: /dev/ttyUSB0

IP Address: 10.34.131.60

Subnet Mask: 255.255.255.255

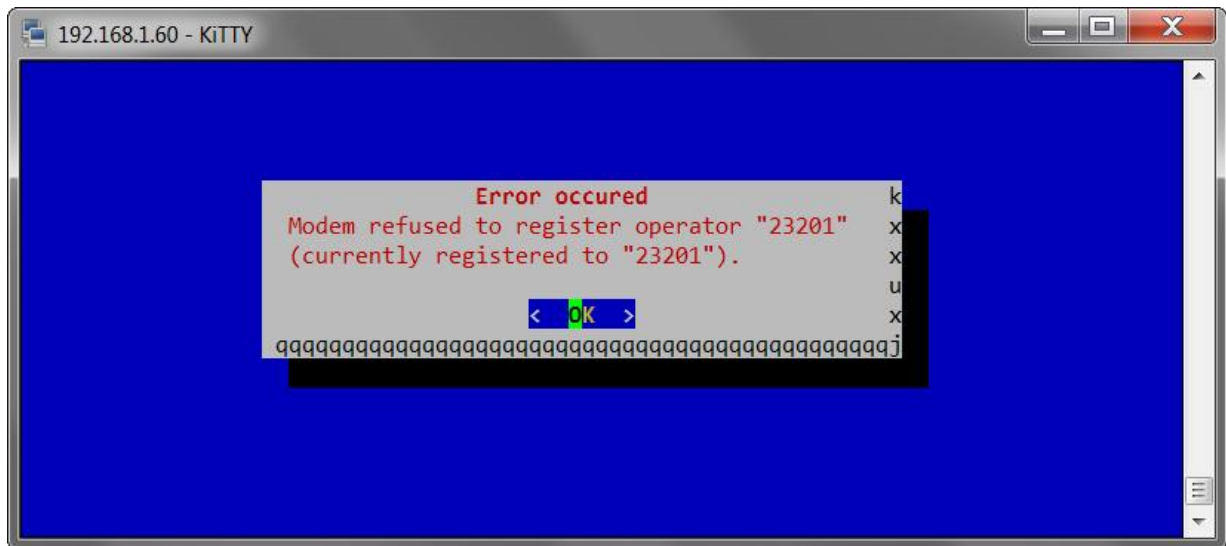
Peer IP Address: 10.64.64.64

Default route(s): 10.64.64.64

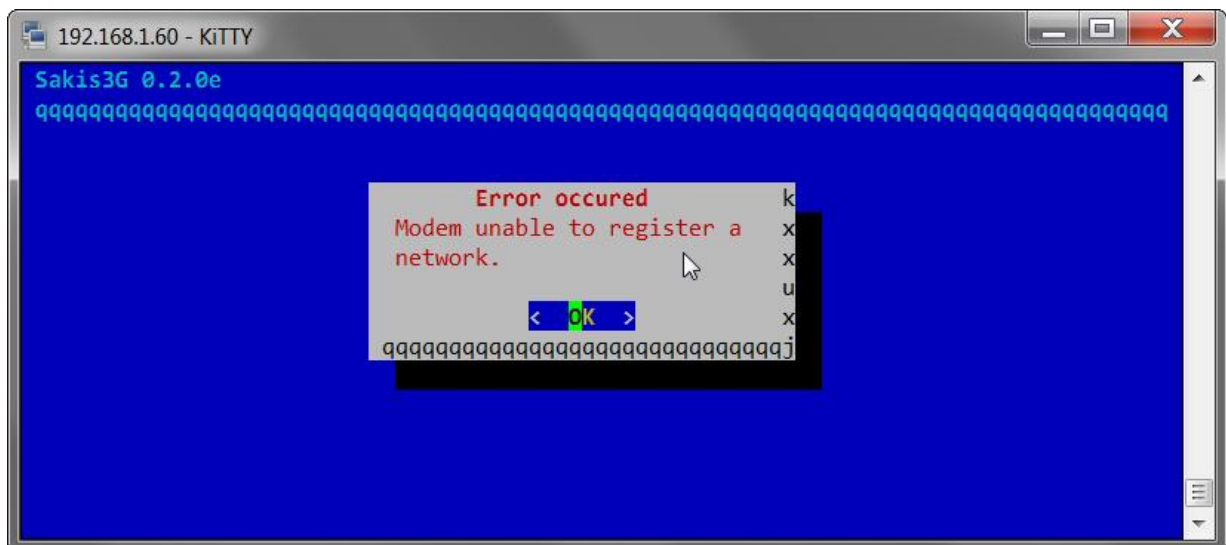
Nochmals zurück zum „problemstick“ :

Sakis3g –interactive hängt im gegensatz zu den nicht-problemsticks beim „registering network“

... dann kommt :



Und dann natürlicherweise :



Dies wir irreführenderweise/fälschlicherweise als „Probably signal strength is not strong enough“ wiedergegeben ...

Dies ist hier leider falsch. Wir haben aktuell 77dBm empfang, nur der dongle ist hin ;-(

Siehe :

```
root@red-brick:~# chat -t 10 -svE '' 'AT+CSQ' OK < /dev/ttyUSB2 > /dev/ttyUSB2
send (AT+CSQ^M)
expect (OK)
^M
+CSQ: 18,99^M
^M
OK
-- got it
```

FYI – wer's genau haben will die Tabelle lautet :

signal-strength X,99

X=

0 < -113 dBm
1 -111 dBm
2 -109 dBm
3 -107 dBm
4 -105 dBm
5 -103 dBm
6 -101 dBm
7 -99 dBm
8 -97 dBm
9 -95 dBm
10 -93 dBm
11 -91 dBm
12 -89 dBm
13 -87 dBm
14 -85 dBm
15 -83 dBm
16 -81 dBm
17 -79 dBm
18 -77 dBm
19 -75 dBm
20 -73 dBm
21 -71 dBm
22 -69 dBm
23 -67 dBm
24 -65 dBm
25 -63 dBm
26 -61 dBm
27 -59 dBm
28 -57 dBm
29 -55 dBm

30 -53 dBm

31 > -51 dBm