

OsmoTRX - Bug #3654

Can't select LimeSDR by serial number

10/15/2018 03:01 PM - Y2Kot

Status:	Resolved	Start date:	10/15/2018
Priority:	Normal	Due date:	
Assignee:	pespin	% Done:	100%
Category:			
Target version:			
Spec Reference:			

Description

I'm trying to set LimeSDR for using with osmo-trx. I have 2 devices plugged. I set serial number in osmo-trx.cfg, however osmo-trx-lms always get the first one.

My config looks like:

```
log stderr
logging filter all 1
logging color 1
logging print category 1
logging timestamp 1
logging print file basename
logging level set-all info
!
line vty
no login
!
trx
bind-ip 127.0.0.1
remote-ip 127.0.0.1
base-port 5700
egprs disable
dev-args serial=0009070105C6170B // I also tried to add just serial but no changes
tx-sps 4
rx-sps 4
rt-prio 18
chan 0
tx-path BAND1
rx-path LNAW
```

History

#1 - 11/29/2018 12:24 PM - laforge

- Assignee set to osmith

#2 - 11/29/2018 12:26 PM - laforge

#3 - 12/03/2018 06:27 PM - pespin

Check LMSDevice::open in ./Transceiver52M/device/lms/LMSDevice.cpp, "args" is passed there as a string.

What I would do: accept in VTY same format as we use for osmo-trx-uhd, for instance: "LimeSDR-USB,addr=1d50:6108,serial=0009060B00471827"

Then, create a function which splits each token into an vector of strings (comma is the separator).

Then, for each lms_info_str_t returned in LMS_GetDeviceList(info_list), check if all strings coming from the generated vector can be found as substrings of that lms_info_str_t. If that's the case, return that one.

Modify the call to LMS_Open() to use the returned lms_info_str_t instead of info_list⁰.

#4 - 12/10/2018 03:53 PM - osmith

- Status changed from *New* to *In Progress*

- % Done changed from 0 to 10

#5 - 12/11/2018 03:51 PM - osmith

- % Done changed from 10 to 90

Patches submitted.

[https://gerrit.osmocom.org/#/q/topic:limesdr-dev-args+\(status:open+OR+status:merged\)](https://gerrit.osmocom.org/#/q/topic:limesdr-dev-args+(status:open+OR+status:merged))

#6 - 12/13/2018 11:13 AM - pespin

- Assignee changed from *osmith* to *pespin*

Merged, assigning to myself to make use of this feature in osmo-trx-lms attached in osmo-gsm-tester.

#7 - 03/06/2019 05:49 PM - pespin

- Status changed from *In Progress* to *Resolved*

- % Done changed from 90 to 100

Patch submitted in <https://gerrit.osmocom.org/#/c/osmo-gsm-tester/+13150/> uses it in osmo-gsm-tester.