

## OsmoTRX - Bug #3516

### osmo-trx-lms: Fix memory leaks reported by LeakSanitizer after stopping the process.

09/03/2018 05:20 PM - pespin

<b>Status:</b>	Resolved	<b>Start date:</b>	09/03/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	pespin	<b>% Done:</b>	100%
<b>Category:</b>	LimeSDR		
<b>Target version:</b>			
<b>Spec Reference:</b>			

#### Description

Scenario: build and run osmo-trx-lms from master with AddressSanitizer enabled, set up the GSM network, register a phone and place a call. Press CTRL+C on osmo-trx-lms, it will stop after a few seconds of shutdown process. Then Leak report will show a huge list of memory leaks.

#### History

##### #1 - 11/01/2018 06:15 PM - pespin

Similar memory leaks also appear when using CTRL+C to close **osmo-trx-uhd** when it's connected to an osmo-bts-trx attached to a running network.

##### #2 - 11/29/2018 05:48 PM - pespin

More information from report can be obtained by using following env vars:

```
ASAN_OPTIONS=abort_on_error=1:report_objects=1:fast_unwind_on_malloc=0
LSAN_OPTIONS=report_objects=1:fast_unwind_on_malloc=0
```

See for more information on the flags:

<https://github.com/google/sanitizers/wiki/SanitizerCommonFlags>

<https://github.com/google/sanitizers/wiki/AddressSanitizerLeakSanitizer>

##### #3 - 12/03/2018 05:51 PM - pespin

- Status changed from New to Feedback

- % Done changed from 0 to 90

Only 3 memory leaks remain when using osmo-trx-lms after applying following patches:

<https://gerrit.osmocom.org/#/c/osmo-trx/+12061/>

<https://gerrit.osmocom.org/#/c/osmo-trx/+12062/>

<https://gerrit.osmocom.org/#/c/osmo-trx/+12077/>

<https://gerrit.osmocom.org/#/c/osmo-trx/+12085/>

<https://gerrit.osmocom.org/#/c/osmo-trx/+12086/>

Only 3 memleaks remain and I suspect they are not related to osmo-trx. I opened a ticket in LimeSuite github:

<https://github.com/myriadrf/LimeSuite/issues/238>

I also opened another issue due to some logging using printf instead of LimeSuite logging callback:  
<https://github.com/myriadrf/LimeSuite/issues/239>

**#4 - 01/18/2019 02:56 PM - pespin**

- *Status changed from Feedback to Resolved*

- *% Done changed from 90 to 100*

mem leaks were fixed, closing.