OsmoGSMTester - Feature #4808

osmo-gsm-tester: Add test setup to verify baseband frequency hopping

10/15/2020 05:41 PM - pespin

Status:	New	**Start date:**	10/15/2020
Priority:	Normal	**Due date:**	
Assignee:	pespin	**% Done:**	0%
Category:			
Target version:			
Spec Reference:			

Description

1st: Make sure multi-trx set up is working in osmo-bts-trx (and optionally with nanobts, does it support baseband frequency hopping?)
2nd: Find out what and how exactly needs to be configured. IIRC everything is basically done in osmo-bsc.cfg?
3rd: Add APIs to configure inside osmo-gsm-tester a BTS object (later passed to BSC) with a given hopping parameters, or perhaps doing so via osmo-gsm-tester resource config.
4th: Run several tests with hopping enabled for all multi-trx BTS supporting it, be it through scenarios or specific tests.

fixeria can you provide a known to work osmo-bsc.cfg (and whatever more is needed) which I can use as a base to integrate into osmo-gsm-tester?

History

#1 - 10/15/2020 05:41 PM - pespin

- Description updated

#2 - 10/15/2020 05:54 PM - fixeria

Hi Pau,

> fixeria can you provide a known to work osmo-bsc.cfg (and whatever more is needed) which I can use as a base to integrate into osmo-gsm-tester?

depends on how many transceivers are we going to use. Here is a config file for ttcn3-bts-test, with 4 transceivers:

https://git.osmocom.org/docker-playground/tree/ttcn3-bts-test/fh/osmo-bsc.cfg

Nothing else needs to be changed. I can help adapting this example to N != 4 transceivers.