

OsmoBTS - Bug #2014

LC15: BTS does not properly handle BS-AG-BLKS-RES

04/18/2017 07:52 PM - mqng2

Status: Closed	Start date: 04/18/2017
Priority: Normal	Due date:
Assignee: laforge	% Done: 100%
Category: osmo-bts-litecell15	
Target version:	
Spec Reference:	
Description	
<p>I have noticed that after changing BS-AG-BLKS-RES configuration from 1 to 2 or 3 from Osmo-NITB. The DSP starts to complain about unexpected burst as shown below.</p> <pre>[ERROR] : GsmL1_PhDataReq() : Unexpected burst (Invalid sapi) [Sapi = 6, Expected = 7] [ERROR] : GsmL1_PhDataReq() : Unexpected burst (Invalid sapi) [Sapi = 6, Expected = 7] [ERROR] : GsmL1_PhDataReq() : Unexpected burst (Invalid sapi) [Sapi = 6, Expected = 7] [ERROR] : GsmL1_PhDataReq() : Unexpected burst (Invalid sapi) [Sapi = 6, Expected = 7] [ERROR] : GsmL1_PhDataReq() : Unexpected burst (Invalid sapi) [Sapi = 6, Expected = 7]</pre> <p>Looking at ph_date_req function in src/osmo-bts-litecell15/l1_if.c, one can clearly see that the BTS always uses B0 for AGCH SAPI (line 392) leading to the DSP complaints about wrong SAPI for AGCH.</p> <p>According to GSM 05.02, Section 7 Table 5 of 5, the number of blocks used AGCH must change according to BS-AG-BLKS-RES requested from BSC.</p>	
Related issues:	
Related to OsmoBTS - Feature #2366: OsmoBTS lacks EXTENDED BCCH support	New 07/15/2017

Associated revisions

Revision 2a4c5fa2 - 06/24/2017 10:56 AM - mqng2

LC15: properly handle BS-AG-BLKS-RES as received from BSC

Closes: OS#2014

Change-Id: Icf437e621d1991f6185e31a0953773309e2bf5ac

History

#1 - 04/18/2017 07:55 PM - mqng2

This issue has been fixed for LC15 BTS in the following commits

https://gitlab.com/nrw_noa/osmo-bts/commit/bcb0c02709b75645c2d10adffe9e0aabfd516a3

#2 - 06/24/2017 11:08 AM - laforge

- Status changed from New to In Progress

- Assignee set to laforge

- % Done changed from 0 to 80

Submitted to gerrit as <https://gerrit.osmocom.org/#/c/3036/>

@nutaq: Please make sure you yourself are submitting all relevant changes to gerrit.osmocom.org. It's not our responsibility to do this in our unpaid spare time.

#3 - 06/27/2017 02:23 PM - laforge

- Status changed from In Progress to Resolved

- % Done changed from 80 to 100

#4 - 07/15/2017 10:42 AM - laforge

- Related to Feature #2366: OsmoBTS lacks EXTENDED BCCH support added

#5 - 08/08/2017 07:06 PM - laforge

- Status changed from Resolved to Closed