OsmoTRX - Feature #1620

OsmoTRX EGPRS PHY

02/23/2016 04:29 PM - laforge

Status:	Closed	**Start date:**	02/23/2016
Priority:	Normal	**Due date:**	
Assignee:	ttsou	**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:			
Spec Reference:			

Description

In order to have EGPRS/EDGE working with OsmoTRX (and not just osmo-bts-sysmo), OsmoTRX will need an implementation of the 8PSK modulation/demodulation required for EGPRS.

History

#1 - 08/01/2016 12:25 PM - laforge

- Assignee set to ttsou

#2 - 08/01/2016 11:18 PM - ttsou

- File tx1-power-time.gif added

- File tx1-spectrum-mask.gif added

- File evm-5db-backoff.png added

- Status changed from New to Resolved

Implemented and merged.

http://git.osmocom.org/osmo-trx/commit/?id=d325343ecca

Tested with now merged osmo-bts-trx EGPRS MCS implementation.

https://gerrit.osmocom.org/#/c/482/

Verified end-to-end all downlink and uplink MCS levels with Huawei/Quacomm (MDM9200) USB dongle.

Measured passing downlink performance against E4406A.

#3 - 08/30/2016 05:05 PM - laforge

- Status changed from Resolved to Closed

Files

tx1-power-time.gif	18.4 KB	08/01/2016	ttsou
tx1-spectrum-mask.gif	16 KB	08/01/2016	ttsou
evm-5db-backoff.png	12.7 KB	08/01/2016	ttsou