

## OsmoTRX - Feature #1620

### OsmoTRX EGPRS PHY

02/23/2016 04:29 PM - laforge

<b>Status:</b> Closed	<b>Start date:</b> 02/23/2016
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> ttsou	<b>% Done:</b> 0%
<b>Category:</b>	
<b>Target version:</b>	
<b>Spec Reference:</b>	

**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

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##### #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/Qualcomm (MDM9200) USB dongle.

Measured passing downlink performance against E4406A.

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

- Status changed from Resolved to Closed

#### Files

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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