

## Issues

| #    | Project  | Tracker | Status      | Priority  | Subject   | Assignee  | Updated             | Related issues  |
|------|--|---------|-------------|-----------|---|-----------|---------------------|---|
| 5683 | Osmocom Libraries                              | Bug     | New         | Immediate | How to install osmocom in China   |           | 09/18/2022 10:18 AM |   |
| 4206 | Qualcomm Linux Modems by Quectel & Co          | Support | New         | Urgent    | Unbrick cpe router without web ui interface and terminal                                  |           | 02/22/2021 02:01 PM |   |
| 3819 | gr-osmosdr                                     | Support | New         | Urgent    | OSMO SDR blocks for GNUradio  |           | 02/28/2019 06:00 PM |   |
| 5574 | OsmoBSCNAT                                     | Bug     | New         | Urgent    | OsmoBSCNAT testsuite running in jenkins   | Hoernchen | 10/06/2022 11:46 AM | Related to #5574  |
| 5106 | OsmoBSC  | Feature | Feedback    | Urgent    | Watchdog that would try to un-BORKE BORKen timeslots                                      | keith     | 02/07/2023 06:25 PM | Related to #5106,Related to #5785,Related to #5786,Related to #5106 |
| 5559 | OsmoMSC  | Bug     | Stalled     | Urgent    | OsmoMSC at 100% CPU and unresponsive for up to several minutes!                           | laforge   | 08/04/2022 08:14 AM | Related to #5563  |
| 5481 | Open Source IMS Client                         | Feature | New         | Urgent    | SIM card interface for doubango   | laforge   | 03/25/2022 11:00 AM | Related to #5482  |
| 5861 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | In Progress | Urgent    | extend charon with external authentication interface                                      | lynxis    | 02/07/2024 04:00 PM | Related to #5868  |
| 6096 | OsmoGGSN (former OpenGGSN)                     | Feature | In Progress | Urgent    | add support for kernel-GTP IPv6   | osmith    | 03/25/2024 12:10 PM | Related to #6096,Related to #6106,Related to #6096,Blocks #6096     |
| 6337 | OsmocomBB                                      | Bug     | New         | High      | bad fr audio with gapk/ms-sdr   |           | 01/22/2024 09:21 PM | Related to #6337  |
| 5731 | gr-osmosdr                                     | Bug     | New         | High      | Install gr-osmosdr on Ubuntu 20.04  |           | 10/27/2022 01:39 PM |   |
| 5425 | gr-osmosdr                                     | Bug     | New         | High      | Problem receiving samples using dual receivers with BladeRF                               |           | 01/29/2022 04:22 AM |   |
| 5396 | OsmocomDECT                                    | Bug     | New         | High      | TcpDump/WireShark will not build with libpcap(dect)                                       |           | 01/09/2022 12:57 PM |   |
| 5394 | OsmocomDECT                                    | Bug     | New         | High      | Kernel Oops when loading com_on_air_cs (unable to handle kernel NULL pointer dereference) |           | 01/09/2022 12:54 PM |   |
| 5393 | OsmocomDECT                                    | Bug     | New         | High      | tipc problems while building on Ubuntu  |           | 01/09/2022 12:48 PM |   |
| 5392 | OsmocomDECT                                    | Bug     | New         | High      | Sliding collision errors  |           | 01/09/2022 12:44 PM |   |
| 5349 | OsmoSGSN                                       | Bug     | In Progress | High      | Message for non-existing SNDTCP Entity  |           | 07/17/2023 04:42 PM |   |
| 5257 | OsmoBTS  | Bug     | New         | High      | support random padding in SACCH downlink messages   |           | 10/12/2021 11:18 AM | Related to #5257  |
| 5256 | OsmoBTS  | Feature | New         | High      | support for random padding in LAPDm downlink messages                                     |           | 10/12/2021 11:17 AM | Related to #5256  |
| 4312 | OsmoHLR  | Bug     | New         | High      | GSUP keepalives / connection loss detection   |           | 10/12/2020 02:42 PM |   |
| 4308 | Distributed GSM                                | Support | New         | High      | thoughts about incorporating credit / billing in D-GSM                                    |           | 12/04/2019 04:08 PM |   |
| 4222 | OsmoSGSN                                       | Bug     | New         | High      | Implement PS Paging for the Routing Areas   |           | 10/03/2020 02:20 PM | Related to #4222  |

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| 4008 | OsmoBTS    | Bug     | Feedback    | High     | Channel Activation starts SACCH too early in Asynchronous Handover  |          | 03/11/2022 12:47 PM | Related to #4008,Related to #4010,Related to #4009 |
| 3734 | gr-osmosdr | Bug     | New         | High     | Cannot compile gr-osmocom   |          | 12/16/2018 12:22 AM |  |
| 3341 | OsmoTRX    | Bug     | Stalled     | High     | osmo-trx-lms RF Envelope FAIL on LimeSDR, but not on LimeSDR-mini   |          | 09/30/2020 08:08 PM | Related to #3341,Related to #3861,Blocks #3341     |
| 2824 | gr-osmosdr | Bug     | New         | High     | Corrupted double-linked for Raspbian Stretch when running osmocom_fft (and any other program using osmosdr.source |          | 06/03/2018 12:08 PM |  |
| 2622 | OsmoBSC    | Support | Stalled     | High     | Prepare automatic interop testing of OsmoBSC against NG40 core simulator + osmo-bts-virtual + mobile              |          | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555 |
| 2175 | OP25       | Feature | New         | High     | Update code for GNURadio 3.6 and later  |          | 04/22/2017 04:14 PM |  |
| 2173 | OP25       | Feature | New         | High     | Remove dependency on ET++   |          | 04/22/2017 04:14 PM |  |
| 2172 | OP25       | Bug     | New         | High     | HDU often missing in captures   |          | 04/22/2017 04:14 PM |  |
| 2171 | OP25       | Feature | New         | High     | Use libfftw3 for IFFT/FFT functions.  |          | 04/22/2017 04:14 PM |  |
| 2170 | OP25       | Bug     | New         | High     | Implement forward error-correction code, remove IT++ dependency   |          | 04/22/2017 04:14 PM |  |
| 2169 | OP25       | Bug     | New         | High     | First-cut of trunking support   |          | 04/22/2017 04:15 PM |  |
| 2168 | OP25       | Bug     | New         | High     | Implement Forward error correction for LDU1/2   |          | 04/22/2017 04:15 PM |  |
| 2167 | OP25       | Feature | New         | High     | Implement Encryption/Decryption P25 blocks  |          | 04/22/2017 04:15 PM |  |
| 2166 | OP25       | Feature | New         | High     | Add support for Max's I/Q 455khz downconverter  |          | 04/22/2017 04:15 PM |  |
| 2162 | OP25       | Bug     | New         | High     | Fix bit-ordering in output for VC55.  |          | 04/22/2017 04:15 PM |  |
| 2160 | OP25       | Feature | New         | High     | Add "datascope" to usrp_p25_rx.py   |          | 04/22/2017 04:16 PM |  |
| 2158 | OP25       | Feature | New         | High     | Create a shared library for decoding for WireShark and the decoder.   |          | 04/22/2017 04:16 PM |  |
| 2157 | OP25       | Feature | New         | High     | Fix "traffic" tab so it displays data for non-HDU data units  |          | 04/22/2017 04:16 PM |  |
| 2156 | OP25       | Feature | New         | High     | Implement forward error correction for HDU.   |          | 04/22/2017 04:16 PM |  |
| 2155 | OP25       | Feature | New         | High     | Replace FSK4 demodulation with IQ demodulator stage.  |          | 04/22/2017 04:16 PM |  |
| 1925 | OsmoPCU    | Bug     | New         | High     | Fix padding for MCS8 transition   |          | 01/08/2020 10:31 PM |  |
| 1766 | OsmoPCU    | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS   |          | 01/22/2020 02:06 PM | Related to #1766,Related to #1766                  |
| 1759 | OsmoPCU    | Bug     | Stalled     | High     | Wrong calculation of DL window size for DL assignment   |          | 01/22/2020 04:01 PM | Related to #1533,Related to #1524                  |
| 1560 | OsmoPCU    | Feature | New         | High     | EDGE benchmarking / performance optimization / tuning   |          | 01/08/2020 10:31 PM |  |

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| 1505 | UmTRX               | Bug     | New     | High     | OHM4 footprint incorrect  |          | 02/19/2016 10:52 PM |   |
| 1483 | Mobile (in)Security | Bug     | New     | High     | USSD state is not reset when switching cells                                      |          | 02/21/2016 04:34 PM |   |
| 1481 | Mobile (in)Security | Bug     | New     | High     | Random LAPDm MAC-block padding is not deployed yet                                |          | 02/21/2016 04:34 PM | Related to #5256,Related to #5257   |
| 1480 | Mobile (in)Security | Bug     | New     | High     | A5/3 is not deployed in GSM networks  |          | 02/21/2016 04:34 PM |   |
| 1478 | Mobile (in)Security | Bug     | New     | High     | IMSI DETACH DoS   |          | 09/02/2019 09:00 AM |   |
| 1477 | Mobile (in)Security | Bug     | New     | High     | RACH flood DoS  |          | 02/21/2016 04:34 PM |   |
| 1462 | OsmocomBB           | Bug     | New     | High     | ../src/utls.c:182:7: error: only weak aliases are supported in this configuration |          | 02/21/2016 04:48 PM |   |
| 6294 | OsmoSGSN            | Feature | New     | High     | Support GN/Gp interoperation procedures between SGSN and MME                      | daniel   | 05/08/2024 01:00 PM | Related to #6294,Related to #6439   |
| 5931 | libosmo-netif       | Bug     | New     | High     | heap-use-after-free when osmo_stream_srv_destroy() is called inside read_cb()     | daniel   | 03/02/2023 11:03 AM |   |
| 4522 | osmo-gbproxy        | Feature | Stalled | High     | gbproxy: Redundancy within proxy pair   | daniel   | 07/09/2021 06:43 PM |   |
| 5571 | Ericsson RBS 6xxx   | Bug     | New     | High     | DUG can come up, but with Avail: "Power Off"                                      | dexter   | 11/08/2022 05:10 PM |   |
| 4383 | pySim               | Bug     | Stalled | High     | Jenkins build verification is non-deterministic                                   | dexter   | 04/06/2021 04:58 PM | Related to #4384,Related to #5127   |
| 3659 | OsmoBSC             | Feature | Stalled | High     | handover during LCLS directly between BTSs  | dexter   | 05/22/2023 09:23 AM | Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3783 |
| 4879 | OsmoPCU             | Bug     | Stalled | High     | endless pdch.cpp:809 Got CS-N RLC block: R=0, SI=0, TFI=0, CPS=0, RSB=0, rc=264   | fixeria  | 07/28/2023 02:46 PM |   |
| 4771 | OsmoBTS             | Bug     | Stalled | High     | Don't log NOTICE messages on missing uplink bursts                                | fixeria  | 11/16/2021 03:05 PM |   |
| 4658 | OsmocomBB           | Bug     | Stalled | High     | Wrong burst order in a multi-trx setup  | fixeria  | 09/14/2020 10:18 AM | Related to #4658,Related to #4658   |
| 3717 | OsmoHLR             | Bug     | Stalled | High     | SS/USSD: fix SS session inactivity timeout  | fixeria  | 12/05/2018 08:45 PM |   |
| 3399 | OsmocomBB           | Feature | Stalled | High     | mobile: refactor / finish external MNCC handler implementation                    | fixeria  | 10/04/2018 09:07 PM |   |
| 2409 | OsmocomBB           | Feature | Stalled | High     | Add GPRS support to virt_phy and L1CTL  | fixeria  | 08/19/2022 03:06 PM |   |

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| 2400 | OsmoPCU                | Bug     | Stalled     | High     | transmit SI13 on PACCH during long TBFs  | fixeria   | 05/12/2020 12:19 PM | Related to #2400,Related to #3472,Related to #4506 |
| 1461 | OsmocomBB              | Feature | Stalled     | High     | include some version information / negotiation in the L1CTL protocol                                       | fixeria   | 10/27/2021 10:17 PM | Related to #1461,Related to #5815                  |
| 6200 | OsmocomBB              | Bug     | New         | High     | osmo-trx-ms: lots of @Received bad frame (rc=-1, ber=444/444)@   | Hoernchen | 10/05/2023 06:02 PM | Related to #6342,Blocks #6200                      |
| 5516 | OsmoTRX                | Feature | In Progress | High     | BladeRF 2.0 Support  | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430                              |
| 5057 | OsmoMSC                | Bug     | New         | High     | Can only send a maximum of 15 SMPP messages?   | Hoernchen | 09/15/2021 09:53 AM |  |
| 4781 | osmo-qcdiag            | Bug     | New         | High     | get hoernchen/gsmmap branch merged   | Hoernchen | 10/06/2020 03:18 PM |  |
| 4622 | OsmoTRX                | Bug     | New         | High     | Lots of "dumping STALE burst in TRX->SDR interface" messages in osmo-trx after osmo-bts-trx proper restart | Hoernchen | 07/06/2020 11:57 AM |  |
| 5144 | gr-osmosdr             | Bug     | New         | High     | Support multiple Airspy devices  | horiz0n   | 10/21/2023 07:22 PM |  |
| 1510 | UmTRX                  | Feature | New         | High     | Complete UHD integration   | ipse      | 02/21/2016 04:47 PM |  |
| 1508 | UmTRX                  | Feature | New         | High     | Implement UmSEL diversity switch control   | ipse      | 02/21/2016 04:47 PM |  |
| 1507 | UmTRX                  | Feature | New         | High     | Implement UmSEL tuner control  | ipse      | 02/21/2016 04:47 PM |  |
| 5755 | OsmoBSC                | Feature | In Progress | High     | io_uring support in osmo-bsc   | jolly     | 03/02/2024 08:06 PM | Related to #5755,Related to #6357                  |
| 6436 | OsmoPCU                | Bug     | New         | High     | high cpu usage, entire BTS unresponsive after some hours   | keith     | 04/13/2024 04:32 PM |  |
| 6169 | osmo-e1d               | Bug     | New         | High     | Frame masking against network frame ordering, not frame numbers  | laforge   | 10/18/2023 03:19 PM |  |
| 5921 | SIMtrace 2             | Bug     | In Progress | High     | simtrace2 cardem vs. Linux kernel USB autosuspend  | laforge   | 09/16/2023 10:47 PM | Related to #5921                                   |
| 5564 | OsmoMSC                | Bug     | Stalled     | High     | blocking database I/O by SMS database  | laforge   | 05/16/2022 08:20 PM | Related to #5564,Related to #5566,Related to #5564 |
| 5563 | OsmoMSC                | Bug     | Stalled     | High     | OsmoMSC sometimes stalls for dozens of seconds in a production deployment                                  | laforge   | 08/04/2022 08:15 AM | Related to #5564,Related to #5563,Related to #5566 |
| 5527 | osmo-remsim            | Bug     | Stalled     | High     | warn on duplicate client (id) connections  | laforge   | 07/13/2022 01:25 PM | Related to #5527                                   |
| 5480 | Open Source IMS Client | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango   | laforge   | 03/25/2022 10:44 AM |  |
| 5419 | SIMtrace 2             | Bug     | Stalled     | High     | cardem errors with higher baud rate  | laforge   | 11/07/2022 06:22 PM |  |
| 4916 | osmo-e1d               | Bug     | Stalled     | High     | USB unplug / replug renders e1d unusable   | laforge   | 12/04/2023 12:34 PM | Related to #5983                                   |

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| 4829 | OsmocomBB                                      | Bug     | Stalled     | High     | OsmocomBB Rx bit errors in dedicated mode   | laforge  | 02/06/2021 09:11 AM | Related to #4832  |
| 4578 | Cellular Network Infrastructure                | Bug     | New         | High     | Updated slides / presentations / videos on setting up Osmocom CNI                                     | laforge  | 02/13/2021 05:35 PM |   |
| 3977 | OsmoCBC  | Feature | New         | High     | SABP stream delineation routines  | laforge  | 09/23/2019 04:49 AM | Related to #3979,Related to #4944                                   |
| 3568 | OsmoBTS  | Bug     | Stalled     | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo  | laforge  | 01/14/2019 03:29 PM |   |
| 3379 | SIMtrace 2                                     | Bug     | Stalled     | High     | documentation on how to use SIMtrace2   | laforge  | 11/14/2022 05:31 PM | Related to #3379  |
| 2604 | Cellular Network Infrastructure                | Feature | Stalled     | High     | GSUP-to-DIAMETER converter / IWF  | laforge  | 02/29/2020 11:27 AM | Related to #5646  |
| 1705 | SIMtrace 2                                     | Bug     | Stalled     | High     | re-integrate tracing + card reader modes into SIMtrace2 firmware (SAM3S)                              | laforge  | 04/06/2021 01:19 AM | Related to #1705,Related to #3379                                   |
| 6091 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | High     | osmo-epdg: Implement CEAI interface (GSUP) ePDG <-> strongswan  | lynxis   | 03/14/2024 04:36 PM |   |
| 5880 | OsmoSGSN                                       | Bug     | In Progress | High     | User Manual sections 11.1.1-2 document non-existing (removed?) VTY commands                           | lynxis   | 03/28/2023 02:45 PM |   |
| 4605 | OsmoSGSN                                       | Bug     | New         | High     | GMM_ATTACH_REQ_FSM: Event E_AUTH_RESP_RECV_SUCCESS not permitted                                      | lynxis   | 06/13/2020 06:16 PM | Related to #4605  |
| 2955 | OsmoSGSN                                       | Bug     | New         | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error   | lynxis   | 09/10/2019 07:39 PM |   |
| 6424 | OsmoMGW  | Bug     | In Progress | High     | TC_one_crcx_loopback_rtp_implicit consistently failing in master, but passes on latest                | neels    | 03/27/2024 08:17 PM |   |
| 4940 | OsmoBSC  | Feature | Stalled     | High     | VAMOS support in OsmoBSC  | neels    | 08/11/2021 02:47 PM | Related to #4941  |
| 4830 | OsmoMSC  | Bug     | In Progress | High     | LU reject when no authentication data in HLR but "authentication optional"                            | neels    | 10/10/2022 02:03 PM |   |
| 4576 | Core testing infrastructure                    | Bug     | Stalled     | High     | ttcn3-hlr-tests need to route multicast traffic between ttcn3-hlr-test and osmo-hlr-master containers | neels    | 10/28/2020 09:48 PM |   |
| 3294 | OsmoMSC  | Bug     | Stalled     | High     | transaction: refactor callref allocation  | neels    | 12/16/2019 02:37 PM | Related to #3294,Related to #3294,Related to #4333,Related to #4854 |
| 2623 | Cellular Network Infrastructure                | Feature | New         | High     | SCCP/M3UA: detect restart of osmo-msc and osmo-sgsn   | neels    | 02/07/2021 12:55 PM | Related to #3403,Related to #4701                                   |
| 6223 | OsmoGGSN (former OpenGGSN)                     | Feature | In Progress | High     | TTCN3 unit test[s] for GTPv1U with extension headers  | osmith   | 01/31/2024 08:19 PM | Related to #6223  |

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|------|--|---------|-------------|----------|--|----------|---------------------|--|
| 4107 | Cellular Network Infrastructure                        | Feature | In Progress | High     | Start systemd services as non-root user  | osmith   | 04/29/2024 08:12 AM | Related to #4107,Related to #4821,Related to #4107,Related to #5669,Related to #5685,Related to #5687,Related to #5722 |
| 1952 | Linux Kernel GTP-U                                     | Bug     | In Progress | High     | IPv6 support for inner (user) IP layer missing   | pablo    | 03/05/2024 11:47 PM | Related to #6096,Related to #6123  |
| 3928 | OsmoPCU  | Bug     | Stalled     | High     | Missing PCU_Tests.ttcn for various timers / time-outs  | pespin   | 11/15/2021 05:46 PM | Related to #5033   |
| 3926 | OsmoPCU  | Bug     | Stalled     | High     | Missing PCU_Tests.ttcn DL TBF tests  | pespin   | 03/01/2021 11:06 AM |  |
| 3155 | OsmoBTS  | Feature | Stalled     | High     | execute BTS_Tests.ttcn with real (C123) phone hardware in LTHW setup   | pespin   | 12/04/2020 07:30 PM | Related to #3353,Related to #3155  |
| 1474 | SDR (Software Defined Radio)                           | Bug     | New         | High     | USB Claim Interface Error  | steve-m  | 02/20/2016 08:23 PM |  |
| 1458 | OsmocomBB  | Bug     | New         | High     | AGC broken (strong cell cannot be synced)  | tnt      | 07/18/2019 06:10 AM | Related to #3582   |
| 6449 | libsmocore   | Bug     | New         | Normal   | possible API problem in osmo_it_q: talloc_free() of llist_head *   |          | 05/09/2024 12:25 AM |  |
| 6447 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | New         | Normal   | have more time slots without a takl  |          | 05/07/2024 11:48 AM |  |
| 6445 | libsmocore   | Feature | New         | Normal   | GSMTAP version 3   |          | 05/04/2024 02:13 PM |  |
| 6441 | OsmoSGSN   | Bug     | New         | Normal   | use-after-free on RAU with invalid Old RAI   |          | 04/22/2024 01:23 PM | Related to #6441   |
| 6440 | libsmocore   | Bug     | Feedback    | Normal   | VTY: 'write file' breaks 'show startup-config'   |          | 04/26/2024 04:23 AM |  |
| 6438 | libsmocore   | Bug     | New         | Normal   | write_config_file() calls blocking sync()  |          | 04/26/2024 09:15 AM |  |
| 6434 | E1/T1 Hardware Interface (including icE1usb)           | Support | New         | Normal   | D-channel do not recover after underrun  |          | 04/27/2024 09:03 PM |  |
| 6433 | OsmoHNBGW  | Bug     | New         | Normal   | DLGLOBAL ERROR counter group 'hnb' already exists for index 0, instead using index 1. This is a software bug that needs fixing. (rate_ctr.c:221) |          | 04/04/2024 11:11 PM |  |
| 6427 | OsmoMSC  | Bug     | New         | Normal   | ttcn3-msc-test: TC_mo_ussd_for_unknown_trans fails sporadically  |          | 04/02/2024 03:01 PM | Related to #6427   |
| 6418 | pySim  | Bug     | New         | Normal   | osmo-smdpp docs  |          | 03/25/2024 05:54 PM |  |
| 6411 | Cellular Network Infrastructure                        | Bug     | Stalled     | Normal   | ttcn3: execute testsuites with a more realistic link performance   |          | 04/03/2024 06:25 PM |  |
| 6410 | libsmocore   | Bug     | New         | Normal   | osmo_io poll backend doesn't work on file descriptors that are not sockets   |          | 03/19/2024 07:33 PM |  |

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| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New      | Normal   | osmo-epdg: Support check IMEI   |          | 03/15/2024 06:45 PM |  |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New      | Normal   | osmo-epdg: Support Emergency services (no IMSI)   |          | 03/15/2024 06:43 PM |  |
| 6398 | pySim  | Bug     | New      | Normal   | Add helper for SwMatchError   |          | 03/09/2024 09:34 PM |  |
| 6388 | libosmocore                                    | Feature | New      | Normal   | stats_reporter via osmo_io / io_uring?  |          | 03/02/2024 04:54 PM | Related to #6388                               |
| 6382 | Linux Kernel GTP-U                             | Bug     | Feedback | Normal   | "TC_pdp6_act_deact_gtpu_access" fails with kernel gtp-u   |          | 03/05/2024 04:06 PM |  |
| 6380 | OsmoHNBGW                                      | Bug     | New      | Normal   | VTY transcript tests are broken [again]   |          | 02/28/2024 06:57 PM |  |
| 6374 | libosmocore                                    | Bug     | New      | Normal   | libosmocore --disable-libsctp not tested by jenkins   |          | 02/23/2024 03:47 PM |  |
| 6372 | OsmocomBB SDR PHY                              | Bug     | New      | Normal   | Cant connect to BS using cell_log and mobile  |          | 02/22/2024 07:13 AM |  |
| 6367 | pySim  | Feature | New      | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others   |          | 02/17/2024 01:34 PM |  |
| 6360 | libosmocore                                    | Bug     | New      | Normal   | libosmovty fails to parse commands like "test (foo bar [(one two three)])"  |          | 02/14/2024 09:25 PM |  |
| 6348 | OsmocomBB                                      | Feature | New      | Normal   | virtphy: add Circuit Switched Data (CSD) support  |          | 01/26/2024 10:03 PM | Related to #6348                               |
| 6347 | OsmocomBB                                      | Feature | New      | Normal   | mobile: support data calls @ 300 bps and 1200/75 bps (TCH/[FH]2.4)  |          | 01/26/2024 09:54 PM | Related to #6347                               |
| 6346 | OsmocomBB                                      | Feature | New      | Normal   | mobile: support data calls @ 14400 bps (TCH/F14.4)  |          | 01/26/2024 10:03 PM | Related to #6346,Related to #6346              |
| 6344 | libosmocore                                    | Feature | New      | Normal   | New TS 24.008 Bearer Capability codec API   |          | 01/24/2024 11:19 PM | Related to #6344                               |
| 6330 | OsmoMSC  | Bug     | New      | Normal   | Incorrect handling of V.120 data calls  |          | 01/18/2024 03:02 PM | Related to #6344                               |
| 6329 | rtl-sdr  | Bug     | New      | Normal   | rtl_sdr does not have correct rpath set on OSX build  |          | 01/12/2024 09:57 PM |  |
| 6328 | OsmoBSC  | Bug     | New      | Normal   | Channel Mode Modify fails to modify the RTP payload type number   |          | 01/12/2024 06:24 AM | Related to #6328                               |
| 6323 | OP25   | Bug     | New      | Normal   | Install script is broken on Ubuntu 23.10  |          | 01/05/2024 07:54 PM |  |
| 6316 | pySim  | Feature | New      | Normal   | include test data in user manual  |          | 12/23/2023 03:10 PM |  |
| 6312 | OsmoHLR  | Bug     | New      | Normal   | Querying HLR for MSISDN-to-IMSI mapping is too cumbersome and inefficient   |          | 12/21/2023 06:52 AM | Related to #6312                               |
| 6298 | OsmoGGSN (former OpenGGSN)                     | Feature | New      | Normal   | osmo-ggsn not providing MTU of the GTP tunnel to the MS   |          | 02/15/2024 10:30 PM | Related to #6298                               |
| 6297 | OsmoMGW  | Bug     | New      | Normal   | octet-align=0 is the RFC 6871 specified default to use when omitted; but osmo-mgw assumes don't-care when omitted                       |          | 12/12/2023 02:12 AM | Is duplicate of #5726                          |
| 6293 | OsmoMGW  | Bug     | New      | Normal   | osmo-mgw "decides" for a codec during MGCP handling; instead it should handle all configured payload type numbers as they arrive in RTP |          | 12/07/2023 05:52 AM | Related to #6293,Related to #6293,Blocks #6136 |
| 6283 | OsmoHNBGW                                      | Bug     | New      | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages  |          | 12/04/2023 01:48 AM |  |

| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|---|----------|---------------------|-----------------------------------|
| 6281 | OCTOI - Osmocom Community TDM over IP | Bug     | New         | Normal   | divf yate: calls to wave playback or loopback never connect   |          | 12/04/2023 12:14 PM | Related to #6282                  |
| 6258 | OsmoMSC                               | Feature | In Progress | Normal   | if MT call leg does not support the assigned codec, re-assign to a compatible codec                 |          | 01/12/2024 06:26 AM | Related to #6328                  |
| 6255 | OsmoDia2GSUP                          | Bug     | New         | Normal   | Implement 3GPP Purge UE Request   |          | 11/10/2023 01:29 PM |                                   |
| 6242 | Core testing infrastructure           | Feature | New         | Normal   | Test eUPF against ttcn3-upf-test setup  |          | 12/18/2023 11:33 AM |                                   |
| 6239 | libosmo-sccp + libosmo-sigtran        | Feature | New         | Normal   | finally deprecate libosmo-sccp (headers, static lib)  |          | 10/31/2023 07:31 PM |                                   |
| 6224 | Retronetworking                       | Feature | Feedback    | Normal   | how to document the rescued EWSD  |          | 10/18/2023 04:51 PM |                                   |
| 6201 | OsmocomBB                             | Bug     | New         | Normal   | modem: signal proper MS Radio Access Capability   |          | 10/04/2023 12:34 PM | Related to #6201                  |
| 6129 | Miscellaneous Projects                | Bug     | New         | Normal   | Discourse: Setting a custom avatar via upload fails   |          | 08/02/2023 06:07 PM |                                   |
| 6126 | OsmoGSMTester                         | Bug     | New         | Normal   | osmo-gsm-tester docker container uses debian 10   |          | 08/01/2023 09:49 AM | Related to #6126                  |
| 6106 | OsmoGGSN (former OpenGGSN)            | Bug     | New         | Normal   | OsmoGGSN attempts to use the same GTP-U socket for all APNs with gtpu-mode kernel-gtp               |          | 02/21/2024 10:31 AM | Related to #6106,Related to #6106 |
| 6036 | OsmoBTS                               | Feature | New         | Normal   | Implement ternary SID classification for HR1 uplink   |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036 |
| 6032 | rtl-sdr                               | Bug     | New         | Normal   | Poor APRS demodulation using RTL_FM on RaspberryPI or on old PC                                     |          | 05/15/2023 12:14 PM |                                   |
| 6029 | Core testing infrastructure           | Bug     | New         | Normal   | Single TTCN3 BSC handover test fails  |          | 10/18/2023 05:31 PM |                                   |
| 6009 | OsmoMSC                               | Bug     | New         | Normal   | omo-msc: lots of tlv_parse() calls in src/libmsc/gsm_04_08.c have no return code checked for errors |          | 04/19/2023 03:19 PM |                                   |
| 6007 | OsmoBSC                               | Bug     | New         | Normal   | network -> bts -> gprs nsvc will always create a nsvc node  |          | 04/17/2023 04:08 PM |                                   |
| 6000 | OsmoMSC                               | Feature | New         | Normal   | Allow emergency calls without IMSI (using IMEI as MI)   |          | 04/12/2023 11:03 AM | Related to #6000                  |
| 5985 | Cellular Network Infrastructure       | Bug     | New         | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@   |          | 03/29/2023 08:09 PM |                                   |
| 5900 | OsmoUPF                               | Feature | In Progress | Normal   | make sure chain ids used in the tunmap nft ruleset are unused                                       |          | 02/09/2023 05:34 PM |                                   |
| 5869 | OsmoHNBGW                             | Bug     | New         | Normal   | osmo-hnbgw ignores HNBAP HNB De-Register  |          | 01/21/2023 01:52 AM |                                   |
| 5867 | OsmoHNBGW                             | Feature | New         | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                                  |          | 01/21/2023 02:30 AM |                                   |
| 5864 | libosmocore                           | Bug     | New         | Normal   | Libosmocore: Fix order of config parsing output   |          | 02/04/2023 05:21 PM |                                   |
| 5858 | Core testing infrastructure           | Bug     | Feedback    | Normal   | osmo-python-tests: Ignore, at least clean up 'tmp_dummy_sock'                                       |          | 02/22/2023 06:25 PM | Related to #5858                  |
| 5853 | OsmoSGSN                              | Feature | New         | Normal   | osmo-sgsn: Rework to use libosmo-gprs   |          | 01/11/2023 03:14 PM |                                   |



| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                 |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|--|
| 5852 | OsmoSGSN                        | Bug     | New    | Normal   | osmo-sgsn: Keep TLLI<->NSEI+BVC1 relation knowledge in BSSGP layer  |          | 01/11/2023 03:08 PM |  |
| 5851 | OsmoSGSN                        | Bug     | New    | Normal   | check if rate ctr GMM_CTR_PKTS_UDATA_IN is correct increased in sgsn_gtp_data_req() func  |          | 01/10/2023 06:40 PM |  |
| 5844 | OsmoPCU                         | Bug     | New    | Normal   | pcu: ns: ip-sns: 2 local binds with a single remote is invalid  |          | 12/22/2022 09:59 PM |  |
| 5843 | OsmoBSC                         | Bug     | New    | Normal   | BTS features aren't reset after oml drop  |          | 12/22/2022 09:27 PM |  |
| 5842 | OsmoBSC                         | Bug     | New    | Normal   | ipa: investigate NSVC local and remote port configuration difference with wireshark dissector   |          | 12/22/2022 07:18 PM |  |
| 5838 | OsmoGSMTester                   | Feature | New    | Normal   | Implement power switching for all BTSs  |          | 12/20/2022 05:30 PM |  |
| 5837 | OsmoHNBGW                       | Bug     | New    | Normal   | osmo-juh: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.   |          | 12/20/2022 03:43 PM |  |
| 5834 | OsmoPCU                         | Feature | New    | Normal   | VTY option "two-phase-access" is misleading   |          | 12/19/2022 06:55 PM |  |
| 5822 | OsmocomBB                       | Bug     | New    | Normal   | SE K2x0i: missing RF and AFC params   |          | 12/15/2022 11:36 PM |  |
| 5814 | OsmoUPF                         | Feature | New    | Normal   | tunmap: more concisely match on GTP-U packets   |          | 12/06/2022 07:30 PM |  |
| 5808 | gr-osmosdr                      | Feature | New    | Normal   | New option, for selecting an input channel of a soapy_source_c  |          | 12/05/2022 11:45 AM |  |
| 5780 | OsmoMSC                         | Feature | New    | Normal   | Implement/Support UUS1  |          | 01/24/2023 10:48 AM |  |
| 5773 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | OsmoGGSN sends Direct Tunnel packets to the wrong IP address  |          | 11/17/2022 04:17 AM |  |
| 5771 | Cellular Network Infrastructure | Feature | New    | Normal   | series of presentations about the individual CNI network elements   |          | 11/14/2022 07:25 PM |  |
| 5768 | Retronetworking                 | Feature | New    | Normal   | retronetworking logo / artwork  |          | 04/07/2024 10:40 PM |  |
| 5764 | Cellular Network Infrastructure | Bug     | New    | Normal   | GCC does not check format strings in LOGPFSM macros   |          | 11/11/2022 06:30 AM |  |
| 5762 | Core testing infrastructure     | Feature | New    | Normal   | Develop TTCN-3 test suite for PGW   |          | 11/10/2022 06:38 PM |  |
| 5761 | Core testing infrastructure     | Feature | New    | Normal   | Develop TTCN-3 test suite for SGW   |          | 11/09/2022 09:49 PM |  |
| 5756 | libosmo-abis                    | Bug     | New    | Normal   | io_uring support in libosmo-abis  |          | 03/20/2024 03:58 PM | Related to #5756,Related to #6357,Blocks #5896 |
| 5750 | Cellular Network Infrastructure | Bug     | New    | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef  |          | 11/08/2022 08:07 PM |  |
| 5738 | Misc Hardware Projects          | Bug     | New    | Normal   | Sim 800L module Connectivity  |          | 11/02/2022 06:55 PM |  |
| 5735 | osmo-e1d                        | Bug     | New    | Normal   | ctl client disconnect doesn't re-set timeslot state   |          | 05/23/2023 06:19 AM |  |
| 5726 | OsmoMGW                         | Bug     | New    | Normal   | AMR octet-align in SDP: lack of 'octet-align' fmp should imply octet-align=0, and the presence or absence of this fmp should not have an effect |          | 12/12/2023 01:51 AM | Is duplicate of #5726                          |

| #    | Project                               | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|---------|----------|--|----------|---------------------|-----------------------------------|
| 5721 | OsmoCBC                               | Feature | New     | Normal   | CBC messages Geographical Scope and CBS Index  |          | 10/19/2022 07:23 AM |                                   |
| 5699 | OsmoMSC                               | Bug     | New     | Normal   | MNCC_RTP_CREATE is not sent in a call waiting scenario                                       |          | 10/10/2022 06:46 PM |                                   |
| 5693 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled | Normal   | no progress tones in yate  |          | 12/03/2023 11:10 AM |                                   |
| 5672 | Misc Hardware Projects                | Bug     | New     | Normal   | sfp-experimenter / voltage swing of LVDS driver insufficient for SFP spec                    |          | 09/02/2022 03:27 PM |                                   |
| 5669 | Cellular Network Infrastructure       | Bug     | New     | Normal   | Test .deb packages built by our OBS  |          | 09/21/2022 01:03 PM | Related to #5669,Related to #5669 |
| 5662 | OsmoUPF                               | Feature | New     | Normal   | add Linux kernel options to manual   |          | 08/24/2022 03:13 PM |                                   |
| 5648 | libosmo-pfcp                          | Feature | New     | Normal   | implement common PFCP CPF client VTY config  |          | 08/17/2022 03:29 PM | Related to #5648                  |
| 5647 | OsmoHNBGW                             | Feature | New     | Normal   | cfg: separate PFCP Node ID from PFCP local address   |          | 08/17/2022 03:38 PM | Related to #5648,Related to #5682 |
| 5644 | Osmocom Libraries                     | Bug     | New     | Normal   | Check library pkg-config files for proper dependencies                                       |          | 08/10/2022 01:02 PM | Related to #5644                  |
| 5641 | OsmoCBC                               | Feature | New     | Normal   | OsmoCBC doesn't yet support reloading cells becoming operational with active messages        |          | 08/05/2022 05:10 PM |                                   |
| 5586 | OsmoBSC                               | Feature | New     | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart                           |          | 06/21/2022 10:23 PM | Related to #5983                  |
| 5576 | OsmoBTS                               | Bug     | New     | Normal   | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked |          | 06/02/2022 10:38 AM |                                   |
| 5573 | OsmoHNBGW                             | Bug     | New     | Normal   | osmo-hnbgw: RANAP LocationReportingControl not implemented                                   |          | 05/30/2022 02:05 PM |                                   |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | build frame relay "hub" similar to ISDN "hub"  |          | 04/24/2022 03:03 PM |                                   |
| 5544 | OCTOI - Osmocom Community TDM over IP | Bug     | New     | Normal   | Strange HDLC frames in PPP when using mISDN/pppd/capiplugin against Portmaster3              |          | 04/23/2022 01:50 PM |                                   |
| 5543 | Retronetworking                       | Feature | New     | Normal   | Contact manufacturers for leftover stock   |          | 06/27/2023 09:05 PM |                                   |
| 5515 | OsmoBSC                               | Bug     | New     | Normal   | BSC_Tests: re-establishment: RA during CHAN RQD should reflect re-establishment              |          | 04/06/2022 08:02 PM |                                   |
| 5509 | OsmoSGSN                              | Bug     | New     | Normal   | llc/pdu lifetime: add vty config option to define default lifetime                           |          | 03/31/2022 04:11 PM |                                   |
| 5505 | OsmocomBB                             | Feature | New     | Normal   | GPRS mobility (cell change) support  |          | 07/01/2022 06:24 AM | Related to #5505                  |
| 5504 | OsmocomBB                             | Feature | New     | Normal   | GSM/GPRS coordination (RR/GRR)   |          | 05/23/2023 12:31 PM | Related to #5504                  |
| 5484 | Open Source IMS Client                | Feature | New     | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)                                |          | 03/07/2022 11:19 AM |                                   |
| 5483 | Open Source IMS Client                | Feature | New     | Normal   | SIM card interface for strongswan  |          | 03/07/2022 03:19 PM |                                   |

| #    | Project                               | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|---------|----------|--|----------|---------------------|--|
| 5482 | Open Source IMS Client                | Feature | New     | Normal   | VoWiFi client for creating [outer] IPsec tunnel to ePDG  |          | 03/07/2022 09:33 PM | Related to #5482                                   |
| 5474 | OsmoBTS                               | Bug     | New     | Normal   | osmo-bts-trx: DTXd support not implemented   |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474                  |
| 5468 | OsmoMGW                               | Feature | New     | Normal   | osmo-mgw: 2g<->3g call support   |          | 06/03/2022 10:39 AM | Related to #5468,Related to #5468,Related to #5468 |
| 5462 | osmo-sip-connector                    | Bug     | New     | Normal   | Contact Header Missing - Way Forward?  |          | 02/21/2022 05:51 AM |  |
| 5460 | gr-osmosdr                            | Bug     | New     | Normal   | Please use double for ppm with fcdp/pp   |          | 02/17/2022 10:43 PM |  |
| 5446 | Cellular Network Infrastructure       | Feature | New     | Normal   | correlate git version to ttcn3 tests   |          | 02/07/2022 09:40 PM | Related to #5446                                   |
| 5445 | gr-osmosdr                            | Bug     | New     | Normal   | Please switch to the gr-funcube  |          | 02/15/2022 11:56 PM |  |
| 5443 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | possibility to transmit frames from multiple lines in one packet   |          | 02/06/2022 08:15 AM |  |
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Normal   | more statistics / counters   |          | 12/03/2023 11:17 AM |  |
| 5433 | OCTOI - Osmocom Community TDM over IP | Bug     | New     | Normal   | forwarding of TS0 / Alarms   |          | 01/30/2022 11:02 AM |  |
| 5395 | OsmocomDECT                           | Feature | New     | Normal   | Support for LMX3161  |          | 01/09/2022 12:55 PM |  |
| 5380 | osmo-ccid-firmware                    | Bug     | New     | Normal   | Incorrect answer to PC_to_RDR_SetParameters CCID command   |          | 01/16/2022 08:55 PM |  |
| 5357 | OsmoGGSN (former OpenGGSN)            | Bug     | New     | Normal   | no more than PDP_MAX == 1024 PDP contexts possible in libgtp   |          | 12/14/2021 01:20 PM | Related to #5469                                   |
| 5356 | libosmo-abis                          | Bug     | New     | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                                   |          | 12/13/2021 12:50 PM |  |
| 5352 | gr-osmosdr                            | Bug     | New     | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2"                      |          | 12/11/2021 08:19 AM |  |
| 5338 | OsmoBTS                               | Bug     | New     | Normal   | LMSDevice.cpp:261 Power parameters requested before Tx Frequency was set! Providing band 900 by default... |          | 12/09/2021 11:42 PM |  |
| 5323 | Core testing infrastructure           | Feature | New     | Normal   | Add docker image containing titan.core master  |          | 12/15/2021 04:43 PM | Related to #6187                                   |
| 5313 | OsmoMGW                               | Bug     | New     | Normal   | libosmo-mgcp-client-dbg specific package not generated for debian  |          | 11/16/2021 03:57 PM |  |
| 5310 | osmo-ccid-firmware                    | Bug     | New     | Normal   | sysmoOCTSIM does not re-enumerate after unplug/replug the USB cable when PSU is connected                  |          | 11/15/2021 05:13 PM |  |
| 5307 | Ericsson RBS 6xxx                     | Feature | New     | Normal   | Support for Multiple Sectors at an RBS site.   |          | 11/13/2021 08:20 PM |  |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 5305 | OsmocomBB                      | Bug     | New    | Normal   | Burst capture  |          | 11/10/2021 06:38 PM |                  |
| 5300 | OsmoPCU                        | Bug     | New    | Normal   | osmo-pcu: SUSPEND-NACK not implemented   |          | 03/31/2022 02:59 PM |                  |
| 5298 | gr-osmosdr                     | Bug     | New    | Normal   | object has no attribute 'pyqwidget' on arch linux  |          | 11/09/2021 01:25 AM |                  |
| 5267 | pySim                          | Feature | New    | Normal   | pySim-shell: Ability to deactivate entire applications on the card   |          | 10/14/2021 07:12 PM | Related to #5268 |
| 5218 | gr-osmosdr                     | Bug     | New    | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"  |          | 09/05/2021 10:58 PM |                  |
| 5202 | OsmocomBB                      | Bug     | New    | Normal   | [Assert failed rc >= 0 l1ctl.c:83] cell_log crashes (mostly) when monitoring specific ARFCN                              |          | 07/25/2021 01:38 PM |                  |
| 5154 | OsmoSGSN                       | Bug     | New    | Normal   | OsmoSGSN doesn't trigger 3G paging if downlink GTP traffic arrives after long break                                      |          | 05/13/2021 12:28 PM | Related to #5154 |
| 5120 | rtl-sdr                        | Bug     | New    | Normal   | rtlsdr_demod_write_reg failed with -9  |          | 04/18/2021 08:55 PM |                  |
| 5117 | OsmoSDR                        | Bug     | New    | Normal   | Error building gr-osmosdr with libhackrf   |          | 04/15/2021 07:56 AM |                  |
| 5050 | OsmoTRX                        | Bug     | New    | Normal   | How can I solve limesdr mini clock problem with osmocom ?  |          | 02/27/2021 01:55 PM |                  |
| 5047 | OsmoSDR                        | Feature | New    | Normal   | Inconsistencies between SDR's in bias-tee parameter  |          | 12/19/2021 01:17 PM |                  |
| 5031 | OsmoSDR                        | Bug     | New    | Normal   | Please switch to gr-funcube  |          | 06/17/2021 09:23 AM |                  |
| 5029 | libosmocore                    | Bug     | New    | Normal   | vty: optional cases with multiple arguments is undefined behaviour   |          | 02/18/2021 05:44 PM |                  |
| 5011 | Core testing infrastructure    | Bug     | New    | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types   |          | 02/05/2021 11:21 AM |                  |
| 5008 | gr-osmosdr                     | Bug     | New    | Normal   | Quoted whitespace parsing problem in source_impl::source_impl  |          | 02/04/2021 02:16 AM |                  |
| 4985 | OsmoBTS                        | Bug     | New    | Normal   | AMR RTP CMR of downlink frames not used to influence CMC   |          | 01/28/2021 01:35 PM |                  |
| 4972 | OsmoMSC                        | Bug     | New    | Normal   | manual: the MNCC protocol is outdated (RTP)  |          | 01/24/2021 05:58 PM |                  |
| 4967 | OsmoPCU                        | Feature | New    | Normal   | osmo-pcu: Avoid sending new DL EGPRS blocks to MS announcing MS_OUT_OF_MEMORY  |          | 01/21/2021 02:26 PM |                  |
| 4966 | OsmoPCU                        | Bug     | New    | Normal   | osmo-pcu: gprs+egprs multiplex: Allow selecting original 8-PSK dl block during retransmission for GSMK-required DL block |          | 01/26/2021 01:07 PM | Related to #4966 |
| 4961 | osmo-gbproxy                   | Feature | New    | Normal   | gbproxy support for "network sharing" via MOCN   |          | 01/20/2021 08:38 PM |                  |
| 4950 | gr-osmosdr                     | Bug     | New    | Normal   | gr-osmosdr doesn't find iqbalance during build   |          | 02/22/2021 02:46 AM |                  |
| 4930 | OsmoBSC                        | Bug     | New    | Normal   | bsc: cbc: vty: "no remote-ip" in cbc > client  |          | 12/31/2020 10:42 PM |                  |
| 4926 | OsmoHNBGW                      | Bug     | New    | Normal   | nano3G disconnect / reconnect cycle with SCTP multi-homing   |          | 01/04/2021 11:38 AM | Related to #4926 |
| 4925 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | SCTP multihoming / ABORT between osmo-msc and osmo-stp   |          | 01/04/2021 11:32 AM | Related to #4926 |
| 4908 | libosmocore                    | Bug     | New    | Normal   | Errors compiling with -std=c++14   |          | 03/01/2021 03:38 PM |                  |
| 4886 | OsmoSGSN                       | Bug     | New    | Normal   | UE does not connect data when moving from 2G->3G   |          | 12/04/2020 01:29 AM |                  |
| 4885 | libosmocore                    | Bug     | New    | Normal   | configure doesn't check for python3  |          | 12/02/2020 03:36 AM |                  |
| 4884 | OsmoBSC                        | Bug     | New    | Normal   | RLL_REL_IND is recieved after RF_CHAN_REL  |          | 12/02/2020 11:51 AM |                  |

| #    | Project                        | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|--------|----------|---|----------|---------------------|------------------|
| 4869 | OsmoPCU                        | Bug     | New    | Normal   | wireshark: Support dissecting LLC frames on top of RLCMAC (E)GPRS data blocks                                     |          | 06/26/2023 11:03 AM | Related to #5367 |
| 4858 | OsmoBSC                        | Bug     | New    | Normal   | handover CHANnel ACTIVation: BSC sends timing advance for lchan activation in a different cell                    |          | 11/10/2020 05:41 PM |                  |
| 4847 | OsmoPCU                        | Bug     | New    | Normal   | fix LLC-DISCARD behaviour   |          | 11/04/2020 02:37 AM | Related to #4847 |
| 4846 | OsmoPCU                        | Feature | New    | Normal   | change RBB received block bitmap into 1s when everything was acked  |          | 11/04/2020 02:29 AM |                  |
| 4827 | OsmoBTS                        | Bug     | New    | Normal   | OsmoBTS VTY is lacking various vital information  |          | 10/23/2020 07:14 PM |                  |
| 4825 | OsmoSGSN                       | Bug     | New    | Normal   | security command is missing sometimes   |          | 10/22/2020 02:40 AM |                  |
| 4767 | OsmoBSC                        | Bug     | New    | Normal   | pcu interface: add suspend request support  |          | 09/29/2020 04:40 PM |                  |
| 4766 | OsmoBSC                        | Bug     | New    | Normal   | pcu interface: add app info request   |          | 09/26/2020 10:21 PM |                  |
| 4764 | OsmoMSC                        | Bug     | New    | Normal   | make sure Assignment times out, always  |          | 09/23/2020 02:08 PM |                  |
| 4749 | OsmoGGSN (former OpenGGSN)     | Bug     | New    | Normal   | Unknown/Unimplemented PCO Protocol  |          | 02/09/2022 01:26 PM |                  |
| 4746 | libosmocore                    | Bug     | New    | Normal   | gb: NS2: implement a NSE based logfilter  |          | 11/14/2020 08:42 AM |                  |
| 4720 | rtl-sdr                        | Bug     | New    | Normal   | rtl_power reports invalid values  |          | 08/19/2020 02:47 PM |                  |
| 4717 | OsmoMSC                        | Feature | New    | Normal   | support Handover with changing codec  |          | 08/18/2020 05:14 PM | Related to #4717 |
| 4705 | Distributed GSM                | Bug     | New    | Normal   | osmo-hlr user manual: explain the mslookup domain suffix "mdns.osmocom.org", it has no mention in the user manual |          | 08/13/2020 12:54 AM |                  |
| 4685 | SDR (Software Defined Radio)   | Bug     | New    | Normal   | Can't compile libusrp   |          | 08/04/2020 08:52 AM |                  |
| 4677 | SDR (Software Defined Radio)   | Bug     | New    | Normal   | fopher crash on OSX with Qt   |          | 07/27/2020 03:27 AM |                  |
| 4660 | OsmoMSC                        | Bug     | New    | Normal   | GSM AUTH failure: mismatching sres - with module TRM-5 ext  |          | 07/12/2020 08:01 PM |                  |
| 4653 | SDR (Software Defined Radio)   | Bug     | New    | Normal   | cannot import name 'fosphor'  |          | 07/07/2020 02:39 AM |                  |
| 4638 | Altair LTE Modems              | Feature | New    | Normal   | Mikrotik R11e-4G mtd dump   |          | 06/13/2021 10:15 AM |                  |
| 4637 | OsmoTRX                        | Bug     | New    | Normal   | limesdr usb gain setting changes break gsm phasenoise constraints   |          | 06/29/2020 04:43 PM |                  |
| 4635 | libosmo-sccp + libosmo-sigtran | Feature | New    | Normal   | quirks when initializing SS7 ASP  |          | 06/25/2020 04:46 PM | Related to #4635 |
| 4633 | OsmoMSC                        | Feature | New    | Normal   | update the Cell ID in the VLR after an inter-BSC / inter-MSC handover   |          | 06/24/2020 12:40 PM |                  |
| 4632 | OsmoMSC                        | Feature | New    | Normal   | update the cell id in the VLR when receiving BSSMAP HANDOVER PERFORMED from the BSC                               |          | 06/24/2020 12:35 PM | Related to #4632 |
| 4612 | OsmoMSC                        | Support | New    | Normal   | test handover on non-voice call conn (no CC transaction present)  |          | 06/14/2020 12:21 PM |                  |
| 4599 | OsmoSGSN                       | Bug     | New    | Normal   | counter group sgsn:pdpctx already exists for index X, instead using Y   |          | 09/09/2020 10:05 AM | Related to #4604 |
| 4596 | OsmocomTETRA                   | Feature | New    | Normal   | Port to GR3.8   |          | 01/08/2021 05:23 PM |                  |

| #    | Project                      | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|------------------------------|---------|-------------|----------|--|----------|---------------------|---|
| 4591 | libosmocore                  | Feature | New         | Normal   | Export FSM states and statistics with counters   |          | 03/24/2021 12:34 PM |   |
| 4590 | libosmocore                  | Feature | New         | Normal   | Export talloc data as counters for better memory leakage monitoring in production                    |          | 09/12/2022 03:53 PM |   |
| 4589 | OsmoBSC                      | Bug     | New         | Normal   | osmo-bsc crashes with "lchan allocation failed in state WAIT_RF_RELEASE_ACK: Timeout"                |          | 06/06/2020 10:40 PM |   |
| 4581 | OsmocomBB                    | Support | New         | Normal   | compiler error assert.h no such file   |          | 06/05/2020 09:54 AM |   |
| 4580 | SDR (Software Defined Radio) | Feature | New         | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0  |          | 06/04/2020 01:13 AM |   |
| 4579 | OsmoBTS                      | Bug     | New         | Normal   | add IPv6 support   |          | 02/12/2021 12:26 PM |   |
| 4557 | OsmoMSC                      | Bug     | New         | Normal   | normal BSSMAP Clear Command from MSC contains cause == 0 meaning "Radio interface message failure"   |          | 05/20/2020 07:17 PM |   |
| 4554 | OsmoMGW                      | Bug     | New         | Normal   | Clean up stale endpoints after OsmoBSC crash   |          | 05/16/2020 08:52 PM |   |
| 4553 | OsmoBSC                      | Bug     | New         | Normal   | OsmoBSC doesn't handle RESET IP RESOURCE BSSMAP message  |          | 05/16/2020 07:44 PM |   |
| 4552 | OsmoMGW                      | Bug     | New         | Normal   | ip-probing issue with BTS connection - no rebinding to a correct IP address                          |          | 05/14/2020 11:18 PM |   |
| 4551 | OsmoMGW                      | Feature | New         | Normal   | Dynamic/runtime allocation of new endpoints  |          | 05/14/2020 10:56 PM |   |
| 4541 | OsmoBSC                      | Feature | New         | Normal   | add ttcn3 tests for situations of Abis latency spikes, where chan act/deact ACK messages arrive late |          | 11/20/2023 05:03 PM | Related to #4541,Related to #6375                                   |
| 4538 | OsmoBSC                      | Bug     | New         | Normal   | timeslot_fsm.c: make the PDCH act/deact timeout configurable   |          | 05/09/2020 08:20 PM | Related to #4539  |
| 4537 | OsmoBSC                      | Feature | In Progress | Normal   | OsmoBSC needs strategies to recover broken lchans (lchan state BORKEN)                               |          | 11/20/2023 05:03 PM | Related to #4537,Related to #4540,Related to #4541,Related to #5106 |
| 4536 | OsmoBSC                      | Feature | New         | Normal   | Multi BTS support within a single physical device  |          | 06/21/2020 01:10 PM |   |
| 4525 | Cellular Modem Information   | Feature | New         | Normal   | MTK  |          | 05/03/2020 03:57 PM | Is duplicate of #4525   |
| 4513 | rti-sdr                      | Bug     | New         | Normal   | PKG information broken   |          | 04/26/2020 03:21 PM |   |
| 4490 | IMSI Pseudonymization        | Feature | New         | Normal   | Specification: how would IMSI-pseudo interact within a combined (2G-4G)+5G network?                  |          | 04/16/2020 08:44 AM |   |
| 4489 | IMSI Pseudonymization        | Feature | New         | Normal   | Specification: mark mandatory parts / implementation details as such                                 |          | 04/16/2020 08:44 AM |   |
| 4488 | OsmoPCU                      | Feature | New         | Normal   | have uplink/downlink tests for all CS/MCS  |          | 11/25/2020 07:28 PM | Related to #4488,Related to #4510                                   |
| 4486 | IMSI Pseudonymization        | Feature | New         | Normal   | Applet: gracefully handle case where timer is set twice  |          | 04/16/2020 08:45 AM |   |
| 4484 | gr-osmosdr                   | Bug     | New         | Normal   | CMakeFiles.txt   |          | 04/06/2020 05:19 PM |   |
| 4480 | IMSI Pseudonymization        | Bug     | New         | Normal   | Applet/OsmoMSC: fix or workaround for OsmoMSC only paging attached MS                                |          | 04/16/2020 08:45 AM | Related to #4480  |

| #    | Project                         | Tracker | Status   | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|----------|----------|--|----------|---------------------|-----------------------------------|
| 4479 | IMSI Pseudonymization           | Feature | New      | Normal   | Applet: change IMSI after receiving SMS  |          | 04/16/2020 08:45 AM |                                   |
| 4478 | IMSI Pseudonymization           | Feature | New      | Normal   | Applet: proper warning after too many LU with same IMSI                                      |          | 04/16/2020 08:45 AM | Related to #4478                  |
| 4477 | IMSI Pseudonymization           | Feature | New      | Normal   | OsmoHLR: send next pseudo IMSI via SMS   |          | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477         |
| 4471 | OsmocomBB                       | Support | New      | Normal   | Received FTMT00L from phone, ramloader has aborted   |          | 03/29/2020 11:18 AM |                                   |
| 4457 | libosmo-sccp + libosmo-sigtran  | Bug     | New      | Normal   | editing the SCCP address book (global-title) on a running instance may crash the application |          | 03/17/2020 11:17 PM |                                   |
| 4455 | OP25                            | Feature | New      | Normal   | AMBE CODEC   |          | 03/28/2020 09:53 PM |                                   |
| 4452 | OsmoPCU                         | Bug     | Stalled  | Normal   | manual testing of osmo-pcu   |          | 07/28/2023 02:48 PM |                                   |
| 4451 | OsmoMSC                         | Bug     | New      | Normal   | vty 'show stats level': different stats levels yield identical results                       |          | 03/09/2020 10:10 PM |                                   |
| 4443 | libosmocore                     | Bug     | New      | Normal   | CTRL interface blocks wildcard in rate_ctr   |          | 03/08/2020 01:06 PM | Related to #4443,Related to #4443 |
| 4433 | OsmoGGSN (former OpenGGSN)      | Feature | New      | Normal   | sgsnemu: Add support for IPv4v6 EUAs   |          | 03/04/2020 10:44 AM |                                   |
| 4432 | OsmoMGW                         | Bug     | New      | Normal   | for 'domain **', mgw should echo the domain of the MGCP client                               |          | 03/04/2020 12:39 AM |                                   |
| 4427 | rtl-sdr                         | Bug     | New      | Normal   | docker + rtl_sdr issue   |          | 02/29/2020 01:16 PM |                                   |
| 4418 | OsmocomBB                       | Feature | New      | Normal   | test-sim: support all libosmocore algorithms (comp128 v1, v2, v3; MILENAGE)                  |          | 02/26/2020 11:41 PM |                                   |
| 4417 | IMSI Pseudonymization           | Bug     | New      | Normal   | Applet: LU counter should only increase on successful location update                        |          | 04/16/2020 08:45 AM | Related to #4478                  |
| 4415 | OsmoGGSN (former OpenGGSN)      | Feature | New      | Normal   | Document in OsmoGGSN User Manual the IPv6 allocation process over GTP                        |          | 02/25/2020 03:05 PM |                                   |
| 4404 | IMSI Pseudonymization           | Feature | Stalled  | Normal   | Research: Make sure that we can silently detach the IMSI                                     |          | 04/15/2020 10:06 AM | Related to #4404,Related to #4480 |
| 4403 | IMSI Pseudonymization           | Feature | Feedback | Normal   | OsmoHLR: How to interface with SMS service?  |          | 04/16/2020 08:45 AM | Blocks #4477                      |
| 4376 | Cellular Network Infrastructure | Feature | New      | Normal   | Define distinct X timer numbers across all osmo programs                                     |          | 01/23/2020 09:21 PM |                                   |
| 4374 | OsmoMSC                         | Feature | New      | Normal   | send GSUP PurgeMS Request (CN-Domain = CS) to the HLR upon IMSI-Detach                       |          | 01/23/2020 03:19 AM |                                   |
| 4362 | OsmoTRX                         | Feature | Stalled  | Normal   | osmo-trx-lms: Support multi-arfcn feature  |          | 09/30/2020 08:09 PM | Related to #4362,Related to #4362 |
| 4359 | gr-osmosdr                      | Bug     | New      | Normal   | Compiling from Git Bramcj gr3.8 fails  |          | 01/12/2020 05:08 PM |                                   |
| 4352 | osmo-sip-connector              | Bug     | New      | Normal   | Need to handle 401 Unauthorized  |          | 01/09/2020 02:03 PM |                                   |
| 4337 | OsmoMSC                         | Bug     | New      | Normal   | osmo-msc: Don't send LU-Reject after LU-Accept if no TMSI Realloc Complete is received       |          | 01/07/2021 06:22 PM | Related to #4337                  |

| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 4336 | OsmoMSC                               | Feature | New         | Normal   | Convert vlr_lu_fsm.c to use osmo_tdef (and drop vlr_timer())  |          | 01/02/2020 05:32 PM | Related to #4337                                   |
| 4333 | Cellular Network Infrastructure       | Support | Feedback    | Normal   | GSUP binary compatibility: add GSUP protocol version IE?  |          | 12/16/2019 01:56 PM | Related to #4333,Related to #4333,Related to #4333 |
| 4325 | gr-osmosdr                            | Bug     | New         | Normal   | can't open hackrf_sink with device index  |          | 12/13/2019 09:18 AM |  |
| 4310 | osmo-sip-connector                    | Bug     | New         | Normal   | sends BYE to self   |          | 01/09/2020 09:21 AM |  |
| 4274 | OsmoSTP                               | Bug     | New         | Normal   | AS Name isn't displayed   |          | 03/14/2024 10:33 AM |  |
| 4265 | libosmocore                           | Bug     | New         | Normal   | --enable-embedded doesn't work as expected  |          | 11/12/2019 11:18 AM |  |
| 4240 | OsmoMSC                               | Bug     | In Progress | Normal   | test: incoming call when already Paging   |          | 11/27/2019 11:09 PM |  |
| 4196 | OsmoMSC                               | Feature | New         | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE                                |          | 09/25/2019 05:27 PM |  |
| 4174 | osmo-fl2k                             | Bug     | New         | Normal   | After the latest commits, the fl2k tools do not exit on first SIGINT                                |          | 08/25/2019 04:57 PM |  |
| 4172 | OsmoGGSN (former OpenGGSN)            | Bug     | New         | Normal   | osmoggsn crashes when stopping  |          | 08/29/2019 11:35 AM |  |
| 4158 | OsmoHNBGW                             | Bug     | New         | Normal   | segfault when paging, in a situation with duplicate CID in hnb register requests                    |          | 05/13/2021 12:01 PM | Related to #4162                                   |
| 4153 | OsmoMGW                               | Bug     | New         | Normal   | 3G voice broken with ALu 9361 femto   |          | 04/25/2022 05:43 PM |  |
| 4151 | OsmoGSMTester                         | Bug     | Stalled     | Normal   | osmo-gsm-tester: osmo-trx-lms process sometimes kept forever in zombie-alike state after killing it |          | 09/30/2020 08:08 PM | Related to #4151                                   |
| 4141 | Cellular Network Infrastructure       | Bug     | New         | Normal   | No osmux specific code in place during codec negotiation  |          | 08/05/2019 03:57 PM |  |
| 4135 | Qualcomm Linux Modems by Quectel & Co | Support | New         | Normal   | how to use network inside ec20  |          | 07/31/2019 11:20 AM |  |
| 4130 | OP25                                  | Bug     | New         | Normal   | OP25 User Interface   |          | 07/26/2019 02:36 AM |  |
| 4124 | OsmoBSCNAT                            | Feature | New         | Normal   | OsmoBSCNAT : Write user manual  |          | 01/08/2020 10:56 PM | Related to #4124                                   |
| 4082 | OsmoBTS                               | Bug     | New         | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE   |          | 11/18/2019 10:09 AM |  |
| 4080 | rtl-sdr                               | Support | New         | Normal   | Receiving UTAs on 978 Mhz   |          | 07/02/2019 12:08 PM |  |
| 4033 | OsmoGGSN (former OpenGGSN)            | Feature | New         | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management                                |          | 05/30/2019 03:19 PM |  |
| 4031 | OsmoBTS                               | Bug     | New         | Normal   | OML part of BTS has no TTCN-3 tests   |          | 09/04/2019 09:04 AM | Related to #4031,Related to #4031                  |
| 4023 | OsmoBTS                               | Bug     | Stalled     | Normal   | Missing coverage of PCU interface in osmo-bts   |          | 03/21/2023 01:07 PM | Related to #4023                                   |
| 4019 | OsmoPCU                               | Bug     | New         | Normal   | implement a command to show all informations from the bts   |          | 11/25/2020 07:33 PM |  |
| 4018 | OsmoPCU                               | Bug     | New         | Normal   | investigate ordering of includes paths  |          | 05/23/2019 10:59 AM |  |
| 4017 | OsmoMSC                               | Bug     | New         | Normal   | MSC fails to handle calls   |          | 05/29/2019 04:56 PM |  |



| #    | Project       | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------|---------|-------------|----------|---|----------|---------------------|--|
| 4009 | OsmoBTS       | Bug     | New         | Normal   | Channel Activation starts SACCH too early in Synchronous Handover                 |          | 03/11/2022 12:44 PM | Related to #4009,Related to #4010,Related to #4009                                   |
| 3992 | OsmoMSC       | Bug     | New         | Normal   | inter-MSC handover for signalling-only?   |          | 05/09/2019 11:39 AM |  |
| 3983 | libosmocore   | Bug     | New         | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent                          |          | 03/24/2021 12:35 PM |  |
| 3981 | OsmoTRX       | Bug     | New         | Normal   | osmo-trx-lms: Overruns appear from time to time                                   |          | 09/30/2020 08:08 PM | Related to #3981   |
| 3980 | OsmoMGW       | Bug     | New         | Normal   | Clear Command before CRCX OK may leak MGW endpoint                                |          | 05/06/2019 10:11 PM |  |
| 3964 | OsmoSGSN      | Bug     | New         | Normal   | SIGSEGV in sndcp_sm_deactivate_ind()  |          | 10/10/2019 07:11 PM | Related to #3964,Related to #4221,Related to #4602                                   |
| 3949 | OsmoTRX       | Bug     | New         | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)                  |          | 09/30/2020 08:08 PM | Related to #4468   |
| 3940 | OsmoSGSN      | Bug     | New         | Normal   | TTCN-3: lu: test UMTS Auth  |          | 04/24/2019 08:24 AM |  |
| 3939 | OsmoSGSN      | Bug     | New         | Normal   | TTCN: do a GMM Attach Request when in GMM Connected and have a PDP Request        |          | 04/24/2019 08:25 AM |  |
| 3937 | OsmoSGSN      | Bug     | In Progress | Normal   | lu: verify handling of GMM Service Request (data)when no PDP Context present.     |          | 05/21/2019 10:28 AM | Related to #3937   |
| 3936 | OsmoSGSN      | Bug     | New         | Normal   | lu: first GMM Service Request does not find a MM ctx                              |          | 05/07/2019 01:37 PM | Related to #3936   |
| 3931 | OsmoGSMTester | Support | New         | Normal   | Contact quectel to get info about modem updates (hopefully less crashes)          |          | 01/08/2020 10:56 PM | Related to #3931   |
| 3923 | OsmoSGSN      | Bug     | New         | Normal   | lu: Respond to SecurityCommandReject messages                                     |          | 04/24/2019 08:26 AM | Related to #3923   |
| 3920 | OsmoSGSN      | Support | In Progress | Normal   | PCAPs files of 3G PS for Osmocom network and Commercial one                       |          | 04/18/2019 02:03 PM | Related to #3920,Related to #3936,Related to #3923,Related to #3937,Related to #3922 |
| 3917 | OsmoGSMTester | Bug     | New         | Normal   | ofono: update debian packages to match our dependencies                           |          | 04/06/2020 11:30 AM |  |
| 3909 | libosmocore   | Bug     | New         | Normal   | osmo_get_rand_id() fails in containerised environment                             |          | 03/24/2021 12:34 PM | Related to #3909   |
| 3880 | OsmoMSC       | Bug     | New         | Normal   | GSUP MT-ForwardSM Message Reference - wrong value in a response                   |          | 04/01/2019 07:47 AM |  |
| 3865 | OsmoBSC       | Bug     | New         | Normal   | nanoBTS: GPRS not working anymore, modems unable to attach in osmo-gsm-tester     |          | 05/11/2023 01:00 PM | Is duplicate of #3865  |
| 3863 | OsmoBTS       | Support | Stalled     | Normal   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocom-bb |          | 12/01/2019 10:52 AM |  |
| 3849 | OsmoMGW       | Bug     | New         | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite                   |          | 09/04/2019 09:26 AM |  |
| 3829 | OsmoMSC       | Bug     | New         | Normal   | osmo-msc expects aoip TLV in Assignment Complete messages from BSC                |          | 03/07/2019 08:30 PM |  |

| #    | Project                      | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                         |
|------|------------------------------|---------|---------|----------|---|----------|---------------------|--|
| 3820 | OsmoHNBGW                    | Bug     | New     | Normal   | osmo-hnbgw does not properly do RANAP RESET and RESET ACK on the link towards MSC and SGSN    |          | 05/13/2021 12:01 PM | Related to #3944                       |
| 3817 | SDR (Software Defined Radio) | Bug     | New     | Normal   | Unable to use fospor display on Ubuntu 18.10  |          | 02/26/2019 06:56 PM |  |
| 3814 | OsmoBSC                      | Bug     | New     | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS  |          | 02/24/2019 01:15 AM |  |
| 3812 | libosmo-netif                | Bug     | Stalled | Normal   | stream_test fails depending on where it is run  |          | 03/13/2019 04:15 PM |  |
| 3806 | OsmoBSC                      | Bug     | Stalled | Normal   | OsmoBSC accepts BSSAP with wrong length field   |          | 08/28/2020 08:15 PM | Related to #3806                       |
| 3797 | rtl-sdr                      | Bug     | New     | Normal   | Exits with "Bus error"  |          | 02/12/2019 02:28 PM |  |
| 3776 | OP25                         | Bug     | New     | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS   |          | 07/05/2019 07:12 PM |  |
| 3775 | OsmoTRX                      | Bug     | Stalled | Normal   | properly debug limesdr usb and limesdr mini clocking requirements and osmo-trx support        |          | 09/30/2020 08:09 PM | Blocks #3341,Blocks #3342,Blocks #3775 |
| 3763 | osmo-sip-connector           | Bug     | New     | Normal   | Implement correct handling for call answered elsewhere  |          | 01/22/2019 01:03 PM |  |
| 3751 | OsmoBTS                      | Support | New     | Normal   | Ensure BTS Tests.ttcn results of OC-2G resemble what we know/expect from osmo-bts-{sysmo,trx} |          | 12/01/2019 10:52 AM |  |
| 3741 | osmo-sip-connector           | Bug     | New     | Normal   | Unknow call parameters shown in vty   |          | 12/28/2018 02:01 PM |  |
| 3738 | OsmoMSC                      | Feature | New     | Normal   | Clarify PS-part of struct vlr_subscr  |          | 12/19/2018 12:34 PM |  |
| 3731 | OsmoMGW                      | Bug     | New     | Normal   | TTCN3 TC_rtpem_selftest randomly fails  |          | 01/08/2020 10:18 PM |  |
| 3724 | osmo-sip-connector           | Bug     | New     | Normal   | Wrong media format used in SIP INVITE causes one-way audio                                    |          | 12/11/2018 02:57 PM | Related to #3724,Related to #5177      |
| 3696 | OsmoSGSN                     | Bug     | New     | Normal   | Intermittent Connection Drop  |          | 01/08/2020 10:48 PM |  |
| 3689 | OsmoSGSN                     | Bug     | New     | Normal   | Support Cisco GGSN (Cisco 7200 with IOS 12.4.x)   |          | 04/09/2019 11:21 AM |  |
| 3687 | OsmoMSC                      | Feature | New     | Normal   | Expand "show bsc" command   |          | 11/11/2018 09:50 PM |  |
| 3676 | OsmoGSMTester                | Bug     | New     | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"                           |          | 06/09/2020 08:39 PM |  |
| 3663 | gr-osmosdr                   | Bug     | New     | Normal   | Can't compile gr-osmosdr on macOS Mojave  |          | 10/19/2018 02:37 PM |  |
| 3653 | OsmocomBB                    | Bug     | New     | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX                              |          | 10/22/2018 02:37 PM | Related to #5518                       |
| 3652 | OsmocomBB                    | Bug     | New     | Normal   | Incorrect IMEISV setting in mobile application  |          | 10/12/2018 08:20 PM |  |
| 3629 | OsmocomBB                    | Bug     | New     | Normal   | mobile aborting after 'test re-selection 1' on vty  |          | 10/04/2018 02:58 PM |  |
| 3607 | OsmoSTP                      | Feature | New     | Normal   | Support for capability point codes  |          | 10/03/2018 08:58 AM |  |
| 3606 | OsmoSTP                      | Feature | New     | Normal   | Support for multiple NI (network indicator)   |          | 10/03/2018 08:58 AM |  |
| 3605 | OsmoSTP                      | Feature | New     | Normal   | Global Title Translation  |          | 07/18/2019 05:15 AM |  |
| 3604 | OsmoSTP                      | Feature | New     | Normal   | Global Title Routing  |          | 07/18/2019 05:15 AM |  |
| 3596 | gr-osmosdr                   | Feature | New     | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |  |

| #    | Project           | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|-------------------|---------|---------|----------|---|----------|---------------------|-----------------------------------|
| 3595 | gr-osmosdr        | Feature | New     | Normal   | RX Tags   |          | 09/25/2018 04:01 PM |                                   |
| 3594 | gr-osmosdr        | Feature | New     | Normal   | Message Commands  |          | 09/25/2018 03:59 PM |                                   |
| 3591 | rtl-sdr           | Bug     | New     | Normal   | No Way To Detect Occasional Failed Bulk Transfers   |          | 09/25/2018 01:29 PM |                                   |
| 3590 | rtl-sdr           | Bug     | New     | Normal   | Key Functions Missing Documentation   |          | 09/25/2018 01:04 PM |                                   |
| 3589 | rtl-sdr           | Bug     | New     | Normal   | Zerocopy Buffers Unusable Outside Callback Without memcpy()                                     |          | 09/25/2018 12:58 PM |                                   |
| 3588 | rtl-sdr           | Bug     | New     | Normal   | Error Values Inconsistent   |          | 09/25/2018 12:47 PM |                                   |
| 3564 | OsmoGSMTester     | Feature | New     | Normal   | Investigate ofono and modems Cell Broadcast support   |          | 01/08/2020 10:42 PM | Related to #3564                  |
| 3531 | OP25              | Bug     | New     | Normal   | Unknown status of the p25 wireshark plugin  |          | 10/06/2022 05:52 AM |                                   |
| 3481 | OsmoBSC           | Feature | New     | Normal   | handover from TCH/H to TCH/F to reduce load   |          | 06/08/2020 07:08 PM | Related to #3481,Related to #3481 |
| 3480 | OsmoBSC           | Feature | New     | Normal   | handover from TCH/F to TCH/H to reduce load   |          | 06/08/2020 07:08 PM | Related to #3480,Related to #3481 |
| 3479 | OsmoBSC           | Feature | New     | Normal   | test "every single failure" in osmo-bsc FSMs  |          | 08/20/2018 11:15 AM | Related to #3479                  |
| 3459 | OsmocomBB SDR PHY | Bug     | Stalled | Normal   | apps/grgsm_trx: AssertionError: packe t_info.packet_count == (seq_to_ack & 0xffff)              |          | 07/09/2023 07:48 PM |                                   |
| 3458 | OsmocomBB SDR PHY | Bug     | Stalled | Normal   | apps/grgsm_trx: [ERROR] [STREAMER] rcv packet demuxer unexpected sid 0xXX                       |          | 07/09/2023 07:48 PM | Related to #3692                  |
| 3445 | OsmoMSC           | Feature | Stalled | Normal   | SS/USSD: clean up the local GSM 04.80 API   |          | 12/14/2018 01:57 PM |                                   |
| 3442 | OsmoMGW           | Bug     | New     | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c   |          | 09/04/2019 09:26 AM |                                   |
| 3425 | OsmocomBB SDR PHY | Bug     | Stalled | Normal   | Receiver: missing AGC (Automatic Gain Control)  |          | 07/09/2023 07:44 PM |                                   |
| 3424 | OsmocomBB SDR PHY | Feature | Stalled | Normal   | Transceiver: implement automatic TX delay measurement   |          | 07/09/2023 07:46 PM |                                   |
| 3423 | OsmocomBB SDR PHY | Feature | Stalled | Normal   | Receiver: hard-coded GSM 05.02 channel configuration  |          | 07/09/2023 07:45 PM |                                   |
| 3422 | OsmocomBB SDR PHY | Bug     | Stalled | Normal   | Receiver: sample / burst buffering problem  |          | 07/09/2023 07:39 PM |                                   |
| 3401 | OsmocomBB         | Bug     | New     | Normal   | target/firmware/l1ctl: both chan_nr and link_id are not set for L1CTL_DATA_CONF                 |          | 07/16/2018 11:56 PM |                                   |
| 3344 | OsmoTRX           | Feature | New     | Normal   | merge ttsou/siggen  |          | 06/13/2018 07:26 PM |                                   |
| 3330 | OsmoBSC           | Feature | New     | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED   |          | 06/08/2018 12:14 PM | Related to #3330                  |
| 3329 | OsmoBTS           | Feature | New     | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED   |          | 06/08/2018 12:02 PM | Related to #3330                  |
| 3309 | libosmocore       | Feature | New     | Normal   | osmo_timer_* should use monotonic clock   |          | 05/31/2018 03:59 PM | Related to #3309                  |
| 3284 | OsmoPCU           | Bug     | New     | Normal   | GPRS cell re-selection appears sticky in packet transfer / packet idle mode                     |          | 01/08/2020 10:45 PM | Related to #2400,Related to #3284 |
| 3243 | OsmoBSC           | Bug     | New     | Normal   | there is MGW config for each separate 'msc', but the MGW settings are stored only once globally |          | 05/07/2018 03:10 PM |                                   |

| #    | Project  | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|---------|----------|--|----------|---------------------|-----------------------------------|
| 3240 | gr-osmosdr   | Bug     | New     | Normal   | Expose airspy gain setting in gr-osmosdr block                                 |          | 06/03/2018 12:08 PM |                                   |
| 3224 | OsmoSGSN   | Bug     | New     | Normal   | verify ciphering after UMTS AKA  |          | 01/08/2020 10:48 PM | Related to #3193,Related to #3224 |
| 3200 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New     | Normal   | OsmoDevCon: Use loudspeakers even at IN-Berlin                                 |          | 05/07/2024 11:49 AM |                                   |
| 3141 | OsmoTRX  | Bug     | New     | Normal   | Refactor / clean up TRX CTRL / DATA interfaces implementation                  |          | 04/05/2018 05:46 PM |                                   |
| 3097 | OsmoBSC  | Feature | New     | Normal   | ramping of "rxlev access min"  |          | 03/22/2018 11:51 AM | Related to #3097                  |
| 3046 | OsmoGSMTester  | Bug     | New     | Normal   | ofono: SierraW modem fails to power on   |          | 01/08/2020 10:41 PM |                                   |
| 3038 | multi-voltage USB UART                                 | Feature | New     | Normal   | Add mounting holes?  |          | 03/07/2018 02:12 AM |                                   |
| 3000 | OsmoBSC  | Bug     | New     | Normal   | OsmoBSC issues "RSL Connect" command too early -> race conditions              |          | 02/25/2018 12:32 PM | Related to #2470,Related to #4179 |
| 2995 | OsmocomBB  | Bug     | New     | Normal   | Wrong parsing of PAGING TYPE 3   |          | 02/24/2018 11:03 PM | Related to #2994                  |
| 2962 | OsmoSGSN   | Bug     | New     | Normal   | Missing TTCN-3 test cases  |          | 01/08/2020 10:47 PM |                                   |
| 2960 | OsmoSGSN   | Bug     | New     | Normal   | OsmoSGSN confirms PDP CTX ACT to MS/Gb despite missing conditional IEs on GTP  |          | 01/08/2020 10:48 PM |                                   |
| 2958 | OsmoSGSN   | Bug     | Stalled | Normal   | OsmoSGSN doesn't authenticate on second/further ATTACH REQUEST                 |          | 01/08/2020 10:49 PM | Related to #2958,Related to #4221 |
| 2957 | OsmoSGSN   | Bug     | New     | Normal   | No timeout during GSUP PURGE MS to HLR   |          | 01/08/2020 10:47 PM |                                   |
| 2953 | OsmoSGSN   | Bug     | New     | Normal   | No timeout waiting for UpdateLocation Response on GSUP                         |          | 01/08/2020 10:47 PM | Related to #2952                  |
| 2943 | OsmoMSC  | Bug     | New     | Normal   | Errors in MGCP do not propagate back to MNCC gsm_subscriber_conn state machine |          | 09/04/2019 09:21 AM |                                   |
| 2941 | OsmoGSMTester  | Bug     | New     | Normal   | ofono: SierraW sometimes crashing while deactivating a context.                |          | 01/08/2020 10:40 PM |                                   |
| 2928 | OsmoMSC  | Bug     | New     | Normal   | OsmoMSC doesn't do BSSMAP ASSIGNMENT if no MNCC_RTP_CREATE is received         |          | 02/11/2018 05:38 PM |                                   |
| 2916 | OsmoMSC  | Bug     | New     | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph                       |          | 02/09/2018 04:20 PM |                                   |
| 2883 | OsmoMSC  | Bug     | New     | Normal   | GSUP encoding of MSISDN is wrong   |          | 10/20/2020 08:41 AM | Related to #4324,Related to #4333 |
| 2861 | OsmoGSMTester  | Feature | New     | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k                               |          | 12/02/2019 01:36 PM | Related to #2860                  |
| 2851 | OsmoMSC  | Bug     | Stalled | Normal   | a_iface.c:534 Unhandled SIGTRAN primitive: 3:2                                 |          | 07/18/2019 05:45 AM |                                   |
| 2815 | linmodem   | Feature | New     | Normal   | modern ptmx / pty handling (UNIX 98)   |          | 01/01/2018 02:48 PM |                                   |
| 2814 | Z-Netz   | Feature | New     | Normal   | Create + Document classic CrossPoint setup on DOS (dosemu)                     |          | 01/01/2018 01:41 PM |                                   |

| #    | Project                         | Tracker | Status   | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|----------|----------|--|----------|---------------------|--|
| 2813 | Z-Netz                          | Feature | New      | Normal   | Create + Document OpenXP setup on Linux  |          | 01/01/2018 01:41 PM |  |
| 2809 | Z-Netz                          | Bug     | New      | Normal   | Build ZConnect <-> UseNet gateway  |          | 01/01/2018 01:33 PM |  |
| 2808 | Z-Netz                          | Bug     | New      | Normal   | Create + Document VM/emulation setup for running ZERBERUS                          |          | 01/01/2018 01:09 PM |  |
| 2801 | linmodem                        | Feature | New      | Normal   | V.90 completion  |          | 01/01/2018 12:18 PM |  |
| 2800 | linmodem                        | Feature | New      | Normal   | Interop testing with real modems   |          | 01/01/2018 12:16 PM |  |
| 2799 | linmodem                        | Feature | New      | Normal   | SIP client support   |          | 01/01/2020 08:05 PM |  |
| 2798 | linmodem                        | Feature | New      | Normal   | ALSA Soundcard Support   |          | 01/01/2018 12:02 PM |  |
| 2797 | linmodem                        | Bug     | New      | Normal   | X11 support is 16bit plane only  |          | 05/07/2022 11:34 PM |  |
| 2764 | SDR (Software Defined Radio)    | Support | New      | Normal   | osmocom_fft & siggen can't access the X display                                    |          | 12/15/2017 06:09 PM |  |
| 2713 | OsmoGSMTester                   | Bug     | New      | Normal   | ofono: chosen pdp type (v4, v6, dual) not strictly followed in ofono qmi           |          | 01/08/2020 10:40 PM | Related to #2713   |
| 2707 | OsmoGSMTester                   | Feature | New      | Normal   | Add support for verifying content of log files after test is run                   |          | 12/04/2017 05:05 PM |  |
| 2705 | OsmocomBB                       | Bug     | New      | Normal   | GSM48_MMR_NREG_REQ followed by GSM48_MMR_REG_REQ don't attach to the network       |          | 12/03/2017 09:50 PM |  |
| 2697 | osmo-qcdiag                     | Feature | New      | Normal   | Create and add debian packages for osmo-qcdiag to osmocom debian repositories      |          | 11/30/2017 06:03 PM |  |
| 2694 | OsmocomBB                       | Bug     | New      | Normal   | SIGSEGV in lapdm code  |          | 11/30/2017 08:45 AM | Related to #2694   |
| 2691 | OsmoNITB                        | Bug     | Feedback | Normal   | Old TMSI paged after LU  |          | 05/17/2018 11:47 AM |  |
| 2690 | OsmocomBB                       | Bug     | New      | Normal   | ASAN issue on shutdown/no shutdown SYSINFO access                                  |          | 11/29/2017 09:33 AM |  |
| 2688 | libosmocore                     | Bug     | New      | Normal   | CTRL iface: make rate_ctr request parser more strict                               |          | 03/24/2021 12:37 PM | Related to #4443   |
| 2677 | libosmocore                     | Support | New      | Normal   | Make stat_item available over ctrl interface                                       |          | 09/04/2019 09:21 AM | Related to #2676   |
| 2650 | OsmoMGW                         | Bug     | New      | Normal   | how can osmo-mgw send a dummy RTP packet before CRCX ACK?                          |          | 06/08/2020 07:08 PM | Related to #4005   |
| 2646 | OsmoGSMTester                   | Feature | New      | Normal   | osmo-gsm-tester: Add osmo-sip-connector support                                    |          | 04/23/2018 10:40 AM |  |
| 2621 | OsmoGSMTester                   | Bug     | New      | Normal   | Gobi2000: might stopped working because all CID got assigned                       |          | 01/08/2020 10:40 PM |  |
| 2615 | OsmoGSMTester                   | Bug     | New      | Normal   | Add API to check GPS lock in BTS   |          | 11/03/2017 05:00 PM |  |
| 2607 | rtl-sdr                         | Bug     | New      | Normal   | rtl-sdr gnuradio cfile is outdated   |          | 06/03/2018 12:23 PM |  |
| 2558 | Cellular Network Infrastructure | Feature | Stalled  | Normal   | Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances |          | 06/08/2020 07:07 PM | Related to #2557, Related to #2556, Related to #2555, Related to #2558, Blocks #2893 |
| 2504 | OsmoGSMTester                   | Support | New      | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester     |          | 04/06/2020 11:28 AM |  |
| 2440 | libosmo-netif                   | Bug     | New      | Normal   | Osmux: Improve lost packet recreation mechanism                                    |          | 12/01/2019 10:11 AM | Blocks #2439   |
| 2439 | libosmo-netif                   | Bug     | New      | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them                   |          | 12/01/2019 10:11 AM | Blocks #2439   |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 2438 | OsmoNITB   | Bug     | New    | Normal   | MS not registered from osmocom PoV, but registered from ofono PoV                     |          | 08/14/2017 09:36 AM |                                   |
| 2431 | OsmoGSMTester  | Bug     | New    | Normal   | osmo-gsm-tester: add test case: MS sends SMS to ESME                                  |          | 08/10/2017 03:47 PM |                                   |
| 2414 | OsmoNITB   | Bug     | New    | Normal   | SMSC: deliverSM message with no user_message_reference                                |          | 08/15/2017 05:53 PM | Related to #2413,Related to #2414 |
| 2399 | OsmoGSMTester  | Feature | New    | Normal   | add tests for graceful restart of individual components                               |          | 07/25/2017 12:02 AM |                                   |
| 2390 | OsmoMSC  | Feature | New    | Normal   | re-add osmocom specific TLVs to SMPP messages   |          | 12/23/2017 05:48 PM |                                   |
| 2382 | OsmoBSC  | Bug     | New    | Normal   | T3105 not consistently communicated to all BTS models                                 |          | 03/05/2018 07:02 PM |                                   |
| 2379 | OsmocomBB  | Feature | New    | Normal   | package as .deb   |          | 02/27/2020 02:39 PM |                                   |
| 2378 | OsmocomBB  | Feature | New    | Normal   | Remove copy-pasted libsmocore ("git subtree") from osmocom-bb.git                     |          | 10/24/2018 02:13 PM |                                   |
| 2374 | OsmoGSMTester  | Feature | New    | Normal   | osmo-gsm-tester: add test case: sms between MS with delivery report                   |          | 08/10/2017 04:37 PM |                                   |
| 2318 | OsmoGSMTester  | Feature | New    | Normal   | testing sysmobts: skip copying of binaries when the same are already installed        |          | 06/07/2017 03:55 PM |                                   |
| 2314 | OsmoGSMTester  | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: correct ESME routing                            |          | 05/31/2017 04:29 PM |                                   |
| 2313 | OsmoGSMTester  | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: imsi extension                                  |          | 05/31/2017 04:27 PM |                                   |
| 2311 | OsmoGSMTester  | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: smpp_first feature                              |          | 05/31/2017 04:21 PM |                                   |
| 2305 | OsmoSGSN   | Bug     | New    | Normal   | review 'laforge/santos' branch and check if there are pending fixes                   |          | 01/08/2020 10:56 PM |                                   |
| 2292 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal   | Time with community users during OsmoCon  |          | 05/25/2017 03:03 PM |                                   |
| 2266 | OsmoGSMTester  | Feature | New    | Normal   | in the gsm tester, use ipa.py from openbsc instead of the current CTRL implementation |          | 10/16/2017 12:36 PM |                                   |

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