

## 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 |   |
| 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     |
| 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  |
| 5481 | Open Source IMS Client                         | Feature | New         | Urgent    | SIM card interface for doubango                                      | laforge   | 03/25/2022 11:00 AM | Related to #5482  |
| 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  |
| 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 |
| 5574 | OsmoBSCNAT                                     | Bug     | New         | Urgent    | OsmoBSCNAT testsuite running in jenkins                              | Hoernchen | 10/06/2022 11:46 AM | Related to #5574  |
| 3819 | gr-osmosdr                                     | Support | New         | Urgent    | OSMO SDR blocks for GNUradio   |           | 02/28/2019 06:00 PM |   |
| 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 |   |
| 1458 | OsmocomBB                                      | Bug     | New         | High      | AGC broken (strong cell cannot be synced                             | tnt       | 07/18/2019 06:10 AM | Related to #3582  |
| 1474 | SDR (Software Defined Radio)                   | Bug     | New         | High      | USB Claim Interface Error  | steve-m   | 02/20/2016 08:23 PM |   |
| 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                                   |
| 3926 | OsmoPCU  | Bug     | Stalled     | High      | Missing PCU_Tests.ttcn DL TBF tests                                  | pespin    | 03/01/2021 11:06 AM |   |
| 3928 | OsmoPCU  | Bug     | Stalled     | High      | Missing PCU_Tests.ttcn for various timers / time-outs                | pespin    | 11/15/2021 05:46 PM | Related to #5033  |
| 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                                   |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--|---------|-------------|----------|---|----------|---------------------|--|
| 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 |
| 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   |
| 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  |
| 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  |
| 4576 | Core testing infrastructure                    | Bug     | Stalled     | High     | ttn3-hlr-tests need to route multicast traffic between ttn3-hlr-test and osmo-hlr-master containers | neels    | 10/28/2020 09:48 PM |  |
| 4830 | OsmoMSC  | Bug     | In Progress | High     | LU reject when no authentication data in HLR but "authentication optional"                          | neels    | 10/10/2022 02:03 PM |  |
| 4940 | OsmoBSC  | Feature | Stalled     | High     | VAMOS support in OsmoBSC  | neels    | 08/11/2021 02:47 PM | Related to #4941   |
| 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 |  |
| 2955 | OsmoSGSN                                       | Bug     | New         | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error   | lynxis   | 09/10/2019 07:39 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   |
| 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 |  |
| 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 |  |
| 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  |
| 2604 | Cellular Network Infrastructure                | Feature | Stalled     | High     | GSUP-to-DIAMETER converter / IWF  | laforge  | 02/29/2020 11:27 AM | Related to #5646   |
| 3379 | SIMtrace 2                                     | Bug     | Stalled     | High     | documentation on how to use SIMtrace2   | laforge  | 11/14/2022 05:31 PM | Related to #3379   |
| 3568 | OsmoBTS  | Bug     | Stalled     | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo  | laforge  | 01/14/2019 03:29 PM |  |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues                                     |
|------|--|---------|-------------|----------|--|-----------|---------------------|--|
| 3977 | OsmoCBC  | Feature | New         | High     | SABP stream delineation routines   | laforge   | 09/23/2019 04:49 AM | Related to #3979,Related to #4944                  |
| 4578 | Cellular Network Infrastructure                        | Bug     | New         | High     | Updated slides / presentations / videos on setting up Osmocom CNI  | laforge   | 02/13/2021 05:35 PM |  |
| 4829 | OsmocomBB  | Bug     | Stalled     | High     | OsmocomBB Rx bit errors in dedicated mode  | laforge   | 02/06/2021 09:11 AM | Related to #4832                                   |
| 4916 | osmo-e1d   | Bug     | Stalled     | High     | USB unplug / replug renders e1d unusable   | laforge   | 12/04/2023 12:34 PM | Related to #5983                                   |
| 5419 | SIMtrace 2   | Bug     | Stalled     | High     | cardem errors with higher baud rate  | laforge   | 11/07/2022 06:22 PM |  |
| 5480 | Open Source IMS Client                                 | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango   | laforge   | 03/25/2022 10:44 AM |  |
| 5527 | osmo-remsim  | Bug     | Stalled     | High     | warn on duplicate client (id) connections  | laforge   | 07/13/2022 01:25 PM | Related to #5527                                   |
| 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 |
| 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 |
| 5921 | SIMtrace 2   | Bug     | In Progress | High     | simtrace2 cardem vs. Linux kernel USB autosuspend  | laforge   | 09/16/2023 10:47 PM | Related to #5921                                   |
| 6169 | osmo-e1d   | Bug     | New         | High     | Frame masking against network frame ordering, not frame numbers  | laforge   | 10/18/2023 03:19 PM |  |
| 6290 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | In Progress | High     | Organize OsmoDevCon 2024   | laforge   | 03/06/2024 12:06 PM |  |
| 6436 | OsmoPCU  | Bug     | New         | High     | high cpu usage, entire BTS unresponsive after some hours   | keith     | 04/13/2024 04:32 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                  |
| 1507 | UmTRX  | Feature | New         | High     | Implement UmSEL tuner control  | ipse      | 02/21/2016 04:47 PM |  |
| 1508 | UmTRX  | Feature | New         | High     | Implement UmSEL diversity switch control   | ipse      | 02/21/2016 04:47 PM |  |
| 1510 | UmTRX  | Feature | New         | High     | Complete UHD integration   | ipse      | 02/21/2016 04:47 PM |  |
| 5144 | gr-osmosdr   | Bug     | New         | High     | Support multiple Airspy devices  | horiz0n   | 10/21/2023 07:22 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 |  |
| 4781 | osmo-qcdiag  | Bug     | New         | High     | get hoernchen/gsmtdp branch merged   | Hoernchen | 10/06/2020 03:18 PM |  |
| 5057 | OsmoMSC  | Bug     | New         | High     | Can only send a maximum of 15 SMPP messages?   | Hoernchen | 09/15/2021 09:53 AM |  |

| #    | Project           | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues  |
|------|-------------------|---------|-------------|----------|--|-----------|---------------------|---|
| 5516 | OsmoTRX           | Feature | In Progress | High     | BladeRF 2.0 Support  | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430   |
| 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   |
| 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   |
| 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  |
| 2409 | OsmocomBB         | Feature | Stalled     | High     | Add GPRS support to virt_phy and L1CTL   | fixeria   | 08/19/2022 03:06 PM |   |
| 3399 | OsmocomBB         | Feature | Stalled     | High     | mobile: refactor / finish external MNCC handler implementation                     | fixeria   | 10/04/2018 09:07 PM |   |
| 3717 | OsmoHLR           | Bug     | Stalled     | High     | SS/USSD: fix SS session inactivity timeout   | fixeria   | 12/05/2018 08:45 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   |
| 4771 | OsmoBTS           | Bug     | Stalled     | High     | Don't log NOTICE messages on missing uplink bursts                                 | fixeria   | 11/16/2021 03:05 PM |   |
| 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 |   |
| 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 |
| 4383 | pySim             | Bug     | Stalled     | High     | Jenkins build verification is non-deterministic                                    | dexter    | 04/06/2021 04:58 PM | Related to #4384,Related to #5127   |
| 5571 | Ericsson RBS 6xxx | Bug     | New         | High     | DUG can come up, but with Avail: "Power Off"                                       | dexter    | 11/08/2022 05:10 PM |   |
| 4522 | osmo-gbproxy      | Feature | Stalled     | High     | gbproxy: Redundancy within proxy pair  | daniel    | 07/09/2021 06:43 PM |   |
| 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 |   |
| 6294 | OsmoSGSN          | Feature | New         | High     | Support GN/Gp interoperation procedures between SGSN and MME                       | daniel    | 04/22/2024 06:04 PM | Related to #6294,Related to #6439   |
| 1462 | OsmocomBB         | Bug     | New         | High     | ../src/utlis.c:182:7: error: only weak aliases are supported in this configuration |           | 02/21/2016 04:48 PM |   |

| #    | Project             | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------|---------|-------------|----------|--|----------|---------------------|--|
| 1477 | Mobile (in)Security | Bug     | New         | High     | RACH flood DoS   |          | 02/21/2016 04:34 PM |  |
| 1478 | Mobile (in)Security | Bug     | New         | High     | IMSI DETACH DoS  |          | 09/02/2019 09:00 AM |  |
| 1480 | Mobile (in)Security | Bug     | New         | High     | A5/3 is not deployed in GSM networks   |          | 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                  |
| 1483 | Mobile (in)Security | Bug     | New         | High     | USSD state is not reset when switching cells   |          | 02/21/2016 04:34 PM |  |
| 1505 | UmTRX               | Bug     | New         | High     | OHM4 footprint incorrect   |          | 02/19/2016 10:52 PM |  |
| 1560 | OsmoPCU             | Feature | New         | High     | EDGE benchmarking / performance optimization / tuning  |          | 01/08/2020 10:31 PM |  |
| 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                  |
| 1766 | OsmoPCU             | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS  |          | 01/22/2020 02:06 PM | Related to #1766,Related to #1766                  |
| 1925 | OsmoPCU             | Bug     | New         | High     | Fix padding for MCS8 transition  |          | 01/08/2020 10:31 PM |  |
| 2155 | OP25                | Feature | New         | High     | Replace FSK4 demodulation with IQ demodulator stage.   |          | 04/22/2017 04:16 PM |  |
| 2156 | OP25                | Feature | New         | High     | Implement forward error correction for HDU.  |          | 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 |  |
| 2158 | OP25                | Feature | New         | High     | Create a shared library for decoding for WireShark and the decoder.                                  |          | 04/22/2017 04:16 PM |  |
| 2160 | OP25                | Feature | New         | High     | Add "datascope" to usrp_p25_rx.py  |          | 04/22/2017 04:16 PM |  |
| 2162 | OP25                | Bug     | New         | High     | Fix bit-ordering in output for VC55.   |          | 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 |  |
| 2167 | OP25                | Feature | New         | High     | Implement Encryption/Decryption P25 blocks   |          | 04/22/2017 04:15 PM |  |
| 2168 | OP25                | Bug     | New         | High     | Implement Forward error correction for LDU1/2  |          | 04/22/2017 04:15 PM |  |
| 2169 | OP25                | Bug     | New         | High     | First-cut of trunking support  |          | 04/22/2017 04:15 PM |  |
| 2170 | OP25                | Bug     | New         | High     | Implement forward error-correction code, remove IT++ dependency                                      |          | 04/22/2017 04:14 PM |  |
| 2171 | OP25                | Feature | New         | High     | Use libfftw3 for IFFT/FFT functions.   |          | 04/22/2017 04:14 PM |  |
| 2172 | OP25                | Bug     | New         | High     | HDU often missing in captures  |          | 04/22/2017 04:14 PM |  |
| 2173 | OP25                | Feature | New         | High     | Remove dependency on ET++  |          | 04/22/2017 04:14 PM |  |
| 2175 | OP25                | Feature | New         | High     | Update code for GNURadio 3.6 and later   |          | 04/22/2017 04:14 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 |

| #    | Project         | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues                                     |
|------|-----------------|---------|-------------|----------|--|-----------|---------------------|--|
| 2824 | gr-osmosdr      | Bug     | New         | High     | Corrupted double-linked for Raspbian Stretch when running osmoccom_fft (and any other program using osmosdr.source |           | 06/03/2018 12:08 PM |  |
| 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     |
| 3734 | gr-osmosdr      | Bug     | New         | High     | Cannot compile gr-osmoccom   |           | 12/16/2018 12:22 AM |  |
| 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 |
| 4222 | OsmoSGSN        | Bug     | New         | High     | Implement PS Paging for the Routing Areas  |           | 10/03/2020 02:20 PM | Related to #4222                                   |
| 4308 | Distributed GSM | Support | New         | High     | thoughts about incorporating credit / billing in D-GSM   |           | 12/04/2019 04:08 PM |  |
| 4312 | OsmoHLR         | Bug     | New         | High     | GSUP keepalives / connection loss detection  |           | 10/12/2020 02:42 PM |  |
| 5256 | OsmoBTS         | Feature | New         | High     | support for random padding in LAPDm downlink messages  |           | 10/12/2021 11:17 AM | Related to #5256                                   |
| 5257 | OsmoBTS         | Bug     | New         | High     | support random padding in SACCH downlink messages  |           | 10/12/2021 11:18 AM | Related to #5257                                   |
| 5349 | OsmoSGSN        | Bug     | In Progress | High     | Message for non-existing SMDCP Entity  |           | 07/17/2023 04:42 PM |  |
| 5392 | OsmocomDECT     | Bug     | New         | High     | Sliding collision errors   |           | 01/09/2022 12:44 PM |  |
| 5393 | OsmocomDECT     | Bug     | New         | High     | tipc problems while building on Ubuntu   |           | 01/09/2022 12:48 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 |  |
| 5396 | OsmocomDECT     | Bug     | New         | High     | TcpDump/WireShark will not build with libpcap(dect)  |           | 01/09/2022 12:57 PM |  |
| 5425 | gr-osmosdr      | Bug     | New         | High     | Problem receiving samples using dual receivers with BladeRF  |           | 01/29/2022 04:22 AM |  |
| 5731 | gr-osmosdr      | Bug     | New         | High     | Install gr-osmosdr on Ubuntu 20.04   |           | 10/27/2022 01:39 PM |  |
| 6337 | OsmocomBB       | Bug     | New         | High     | bad fr audio with gapk/ms-sdr  |           | 01/22/2024 09:21 PM | Related to #6337                                   |
| 1623 | OsmoSMSC        | Feature | New         | Normal   | Configure delivery report for the SMPP delivery links  | zecke     | 02/24/2016 01:49 PM |  |
| 1689 | OsmoSMSC        | Feature | New         | Normal   | insert: Change destination number based on criteria similiar to route handling on output                           | zecke     | 04/06/2016 12:18 PM |  |
| 1690 | OsmoSMSC        | Bug     | New         | Normal   | Insert: Generate message ID (e.g. UUID)  | zecke     | 04/06/2016 12:26 PM |  |
| 2555 | OsmocomBB       | Feature | Stalled     | Normal   | script interface to OsmocomBB "mobile"   | zecke     | 06/08/2020 07:07 PM | Related to #2555,Related to #2555,Blocks #2893     |
| 1990 | OsmocomBB       | Bug     | Feedback    | Normal   | bb nand flash  | yangkkokk | 07/10/2017 10:22 PM |  |
| 6181 | SIMtrace 2      | Bug     | Feedback    | Normal   | Unexpected INS code with simtrace2-sniff: 0x7f   | v.marinos | 10/18/2023 09:41 PM |  |

| #    | Project                                      | Tracker | Status   | Priority | Subject   | Assignee   | Updated             | Related issues  |
|------|--|---------|----------|----------|---|------------|---------------------|---|
| 1504 | UmTRX  | Feature | New      | Normal   | LMS6002 phase error increases when Rx is enabled and varies with temperature  | ttsou      | 02/19/2016 10:52 PM |   |
| 3067 | OsmoTRX                                      | Bug     | New      | Normal   | osmo-trx usrp b100 time out and packet loss between host and device   | ttsou      | 03/15/2018 06:36 PM |   |
| 1911 | SIMtrace 2                                   | Feature | New      | Normal   | check if we can have an enclosed version of simtrace v2   | tsaitgaist | 09/13/2018 12:40 PM |   |
| 3847 | Miscellaneous Projects                       | Feature | New      | Normal   | Osmocom logo with/for black background  | tsaitgaist | 12/10/2019 11:53 AM |   |
| 64   | Miscellaneous Projects                       | Bug     | New      | Normal   | osmo-bts-amp: 2.2uF capacitors next to PA need to be 0603, not 0805   | tnt        | 02/21/2016 04:48 PM |   |
| 3054 | OsmoTRX                                      | Feature | Stalled  | Normal   | Extended (11-bit) RACH support in OsmoTRX   | tnt        | 02/03/2019 11:45 AM | Related to #1854,Related to #3054,Related to #3054,Related to #4006 |
| 5490 | E1/T1 Hardware Interface (including icE1usb) | Bug     | Feedback | Normal   | ISO IN urb sometimes completes with less than full data / incomplete frame  | tnt        | 09/15/2022 12:34 PM |   |
| 5708 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New      | Normal   | rs422: Support runtime re-init of the GPS receiver  | tnt        | 10/13/2022 06:46 PM | Related to #5708  |
| 5709 | E1/T1 Hardware Interface (including icE1usb) | Feature | New      | Normal   | rs422: Merge as much of the firmware into master to avoid separate branch   | tnt        | 10/13/2022 06:49 PM | Related to #5709  |
| 5710 | E1/T1 Hardware Interface (including icE1usb) | Feature | New      | Normal   | rs422: Merge as much of the gateway in master as possible   | tnt        | 10/13/2022 06:53 PM | Related to #5710  |
| 5883 | OCTOI - Osmocom Community TDM over IP        | Bug     | New      | Normal   | GPS sync sometimes goes to hold over  | tnt        | 01/30/2023 02:18 PM | Related to #5885  |
| 5171 | OsmocomBB                                    | Bug     | Feedback | Normal   | ccch_scan failed  | thor123    | 06/09/2021 12:06 AM |   |
| 3315 | rtl-sdr                                      | Feature | New      | Normal   | review and possibly apply patches from debian package   | steve-m    | 06/03/2018 01:17 PM |   |
| 4367 | rtl-sdr                                      | Support | New      | Normal   | "Communications Toolbox Support Package for RTL-SDR Radio" from "Mathworks Matlab" appears to be with broken links? | steve-m    | 01/21/2020 08:52 PM |   |
| 4758 | rtl-sdr                                      | Bug     | New      | Normal   | rtl_tcp no longer works on macos 10.15 via macports   | steve-m    | 04/30/2023 11:59 AM |   |
| 5220 | rtl-sdr                                      | Bug     | New      | Normal   | Undefined reference to libusb_dev_mem_free  | steve-m    | 08/31/2021 09:21 AM |   |
| 5291 | rtl-sdr                                      | Feature | New      | Normal   | Ship the udev rules upstream  | steve-m    | 11/05/2021 11:04 AM |   |
| 5831 | OsmocomBB                                    | Bug     | New      | Normal   | SE K2x0i: built-in SIM reader is not working  | steve-m    | 12/16/2022 12:03 AM |   |
| 5918 | osmo-fl2k                                    | Bug     | New      | Normal   | -flt0 broken in release   | steve-m    | 12/20/2023 08:43 PM |   |
| 5922 | rtl-sdr                                      | Bug     | New      | Normal   | rtl_sdr bytes_to_read wraparound for n > 2**31  | steve-m    | 03/20/2023 10:16 AM |   |

| #    | Project                                      | Tracker | Status      | Priority | Subject   | Assignee                      | Updated             | Related issues   |
|------|--|---------|-------------|----------|---|-------------------------------|---------------------|--|
| 6005 | rtl-sdr                                      | Bug     | New         | Normal   | rtl-test and rtl-sdr exit code=-5 when running on Windows 10 WSL and Ubuntu   | steve-m                       | 10/18/2023 05:45 PM |  |
| 6012 | rtl-sdr                                      | Bug     | New         | Normal   | Update wiki for macos build   | steve-m                       | 05/01/2023 02:38 AM |  |
| 6413 | rtl-sdr                                      | Bug     | New         | Normal   | Incorrect Debian/Debian-like binary packages  | steve-m                       | 03/22/2024 05:09 PM |  |
| 5850 | SDR (Software Defined Radio)                 | Bug     | New         | Normal   | OBS mingw builds not updated since 2019   | roox                          | 01/04/2023 12:15 PM |  |
| 3474 | OsmoBSC                                      | Bug     | Feedback    | Normal   | SDCCH not released if Radio Link Failure / Sending Connection Failure: cause = 0x001 Experienced in osmo-bsc and osmo-bts-trx | ron.menez@entropysolution.com | 10/05/2020 09:33 PM |  |
| 1524 | OsmoPCU                                      | Bug     | Feedback    | Normal   | PACCH on the wrong timeslot   | roh                           | 10/19/2021 11:50 AM | Related to #1524,Related to #1524,Related to #1524,Related to #2709,Related to #1524,Related to #1524,Related to #3014 |
| 3227 | Cellular Network Infrastructure              | Feature | New         | Normal   | general idea: separate GSUP spec document   | roh                           | 12/01/2019 09:26 AM | Is duplicate of #3227  |
| 4534 | Ericsson RBS 6xxx                            | Support | Stalled     | Normal   | Take pictures of RBS6k gear for documentation   | roh                           | 05/20/2020 03:19 PM |  |
| 5276 | SIMtrace 2                                   | Feature | Stalled     | Normal   | jenkins CI integration like for osmo-ccid-firmware  | roh                           | 11/14/2022 05:24 PM | Related to #5422   |
| 6198 | Cellular Network Infrastructure              | Bug     | In Progress | Normal   | Patch releases for September 2023 Osmocom CNI releases  | roh                           | 12/19/2023 01:29 PM | Related to #6253   |
| 6231 | OsmoTRX                                      | Feature | New         | Normal   | add support / calibration values for AntSDR E200  | roh                           | 10/21/2023 03:25 PM |  |
| 4942 | gr-osmosdr                                   | Bug     | New         | Normal   | XTRX: Unable to compile due to error  | RFNOD                         | 01/12/2021 08:29 PM |  |
| 6416 | E1/T1 Hardware Interface (including icE1usb) | Support | Feedback    | Normal   | Serial debug tty port speed   | pfassberg                     | 05/01/2024 07:13 AM |  |
| 44   | OsmoSGSN                                     | Bug     | New         | Normal   | TLLI clash possible   | pespin                        | 02/06/2021 01:31 PM |  |
| 3061 | OsmoTRX                                      | Bug     | New         | Normal   | OsmoTRX ARM chroot build jobs failing due to proot bug  | pespin                        | 12/02/2019 04:54 PM | Related to #3766,Related to #4301  |
| 3560 | OsmoGSMTester                                | Bug     | Stalled     | Normal   | nanoBTS multiTRX tests in osmo-gsm-tester Prod setup failing  | pespin                        | 09/04/2019 09:16 AM | Related to #3560,Related to #3560,Related to #3628,Is duplicate of #3475   |
| 3622 | libosmo-abis                                 | Bug     | New         | Normal   | Clear API mess in sign_link_up callback   | pespin                        | 10/02/2018 07:34 PM |  |
| 3929 | OsmoPCU                                      | Bug     | New         | Normal   | Missing PCU_Tests.ttcn link adaptation tests  | pespin                        | 06/17/2020 08:32 AM | Related to #3929   |
| 4065 | OsmoMSC                                      | Feature | New         | Normal   | osmo-msc: Support instructing MSC_MGW to use Osmux between 2 endp/call-leg of same voice call                                 | pespin                        | 06/19/2019 04:54 PM | Related to #4065   |



| #    | Project  | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|--|---------|----------|----------|---|----------|---------------------|---|
| 4091 | Cellular Network Infrastructure                | Feature | New      | Normal   | Osmux: Make sure all handover types work fine if a call leg is using Osmux between BSC and MSC. | pespin   | 06/08/2020 07:08 PM |   |
| 4092 | OsmoMGW  | Feature | New      | Normal   | Osmux: Support dynamic allocation of osmux sockets  | pespin   | 08/10/2022 07:50 AM | Related to #4092  |
| 4161 | OsmoGGSN (former OpenGGSN)                     | Bug     | New      | Normal   | Implement pdp idle timer  | pespin   | 08/20/2019 06:30 PM | Related to #4161  |
| 4364 | OsmoBTS  | Bug     | New      | Normal   | osmo-bts-trx configured with 2 TRX and osmo-trx with 1 TRX -> bad behavior                      | pespin   | 07/06/2020 07:16 PM |   |
| 4366 | OsmoTRX  | Bug     | New      | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load (w/ RACH correlation)    | pespin   | 01/15/2020 01:59 PM | Related to #4366  |
| 4542 | OsmoGSMTester                                  | Bug     | Stalled  | Normal   | ofono: crash in drivers/qmimodem/gprs.c:extract_ss_info()                                       | pespin   | 07/30/2021 10:30 AM |   |
| 4867 | OsmoPCU  | Bug     | Stalled  | Normal   | Cinterion BGS2T failing to attach (no Attach Complete ever sent)                                | pespin   | 11/30/2020 09:48 AM |   |
| 4947 | OsmoPCU  | Bug     | Stalled  | Normal   | osmo-pcu: Handling for Pkt Resource Req using Global TFI not implemented                        | pespin   | 12/22/2022 01:04 PM |   |
| 5045 | Cellular Network Infrastructure                | Feature | New      | Normal   | write libversion "major" on build files automatically based on LIBVERSION                       | pespin   | 02/24/2021 01:14 PM |   |
| 5122 | OsmoPCU  | Feature | New      | Normal   | Choose SBA allocation offset based on AGCH queue load in the BTS                                | pespin   | 04/20/2021 12:51 PM | Related to #5122  |
| 5227 | OsmoPCU  | Bug     | New      | Normal   | osmo-pcu: Attempt recovery of TBF when one of its assigned PDCH TS becomes disabled             | pespin   | 10/18/2021 10:12 AM |   |
| 5309 | OsmoPCU  | Bug     | New      | Normal   | osmo-pcu: Support rejecting multiple TBFs upon tx of Packet Access Reject                       | pespin   | 11/15/2021 06:29 PM |   |
| 5398 | OsmoSGSN                                       | Bug     | New      | Normal   | Null pointer access at "uctx" in ranap_iu_tx  | pespin   | 01/10/2022 01:14 PM |   |
| 5501 | OsmocomBB                                      | Feature | Stalled  | Normal   | MS-side GPRS Mobility Management (GMM) + Session Management (SM)                                | pespin   | 09/14/2023 04:03 PM | Related to #5501,Related to #5502,Related to #5504,Related to #5505 |
| 5502 | OsmocomBB                                      | Feature | Stalled  | Normal   | MS-side LLC implementation  | pespin   | 09/14/2023 03:59 PM | Related to #5502,Related to #5502                                   |
| 5503 | OsmocomBB                                      | Feature | Feedback | Normal   | expose GPRS user plane via tun device   | pespin   | 08/28/2023 10:38 PM | Related to #6115  |
| 5827 | OsmoPCU  | Feature | New      | Normal   | osmo-pcu: Hardcoded limit of maximum number of 8 TRX per BTS                                    | pespin   | 12/16/2022 11:55 AM |   |
| 5839 | OsmoGSMTester                                  | Feature | New      | Normal   | Ability to switch off the osmo-trx machine  | pespin   | 12/20/2022 05:43 PM |   |
| 6045 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback | Normal   | report erlang diameter problems to the diameter compiler repo.                                  | pespin   | 03/07/2024 04:16 PM |   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 6115 | OsmocomBB                       | Feature | Feedback    | Normal   | modem: MTU not set properly on tun iface   | pespin   | 12/08/2023 05:48 PM | Related to #6115,Related to #6298                  |
| 6118 | OsmoPCU                         | Bug     | New         | Normal   | osmo-pcu assigns multi-slot TBFs over PACCH to MS with unknwon ms_class                      | pespin   | 09/22/2023 02:33 PM |  |
| 6125 | OsmocomBB                       | Bug     | New         | Normal   | LLC GIA/GEA (auth/encryption) not yet tested   | pespin   | 08/28/2023 10:32 PM |  |
| 6127 | OsmoHNBGW                       | Feature | Feedback    | Normal   | Submit RAB Modification Req towards HNB to ud pate its peer luUP address if MGW changed it   | pespin   | 11/29/2023 06:45 PM |  |
| 6148 | OsmoDia2GSUP                    | Bug     | New         | Normal   | config file not installed not used by systemd service in debian                              | pespin   | 10/18/2023 03:21 PM |  |
| 6212 | Linux Kernel GTP-U              | Bug     | In Progress | Normal   | GTP extension headers  | pespin   | 10/18/2023 03:03 PM | Related to #6223                                   |
| 6356 | libosmo-sccp + libosmo-sigtran  | Bug     | New         | Normal   | DLGLOBAL ERROR Trying to dispatch event 17 to non-existent FSM instance! (osmo_ss7_as.c:118) | pespin   | 02/08/2024 10:27 PM |  |
| 6377 | erlang/osmo_ss7                 | Bug     | Feedback    | Normal   | ipa: Failure decoding ipa frames split between several tcp packets                           | pespin   | 02/28/2024 03:00 PM |  |
| 6437 | libosmocore                     | Bug     | Feedback    | Normal   | osmo_io_ops segmentation_cb missing parameter holding state                                  | pespin   | 04/19/2024 10:17 AM |  |
| 6103 | Linux Kernel GTP-U              | Feature | Feedback    | Normal   | move from 1:1 relationship of UDP socket and net-device to a N:M relationship                | pablo    | 10/06/2023 10:49 AM | Related to #6106                                   |
| 1685 | osmo-sip-connector              | Feature | In Progress | Normal   | osmo-sip-connector: Review and define log statements and which info to include               | osmith   | 09/04/2019 09:31 AM |  |
| 2501 | OsmoSGSN                        | Bug     | In Progress | Normal   | suspected problem with unanswered neighbor solicitation                                      | osmith   | 09/11/2019 12:58 PM |  |
| 2846 | OsmoMSC                         | Bug     | New         | Normal   | MSC doesn't close SCCP/BSSAP connection on CM SERV REQ tht cannot be parsed                  | osmith   | 07/18/2019 05:44 AM |  |
| 2877 | OsmoMSC                         | Bug     | New         | Normal   | OsmoMSC fails on bearer capability without octet 3a  | osmith   | 07/18/2019 05:45 AM |  |
| 2895 | OsmoMSC                         | Bug     | New         | Normal   | OsmoMSC excessively uses LU Reject Cause 22 (congestion)                                     | osmith   | 07/18/2019 05:41 AM |  |
| 2951 | OsmoSGSN                        | Bug     | Feedback    | Normal   | OsmoSGSN Accepts two MO L3 Messages with N(U) set to zero                                    | osmith   | 09/11/2019 12:24 PM |  |
| 3356 | OsmoSGSN                        | Bug     | In Progress | Normal   | OsmoSGSN doesn't provide unique IDTAG_SERNR in IPA CCM                                       | osmith   | 04/09/2019 11:22 AM | Related to #3356,Related to #3356,Related to #3644 |
| 3417 | Cellular Network Infrastructure | Bug     | New         | Normal   | show asciidoc counters does not show all the counters available                              | osmith   | 12/01/2019 09:28 AM | Related to #3417,Related to #4848                  |
| 3420 | libosmo-ranap                   | Bug     | Stalled     | Normal   | ranap_transp_assoc_decode() decodes X.213 NSAP address headers as IP address                 | osmith   | 07/17/2021 10:14 AM |  |
| 3636 | OsmoMSC                         | Feature | New         | Normal   | detailed call statistics (with rate counters)  | osmith   | 10/08/2018 11:14 AM | Related to #3636                                   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|---|
| 3792 | OsmoBTS                         | Bug     | New         | Normal   | OsmoBTS doesn't include the "Starting Time" attribute in "Set BTS Attributes ACK"  | osmith   | 07/18/2019 06:05 AM |   |
| 3872 | OsmoBSC                         | Feature | New         | Normal   | osmo_scu_prim.conn_id should be picked from a distinct number space for outgoing and incoming N-CONNECT                          | osmith   | 03/28/2019 08:06 PM | Blocks #3872  |
| 4070 | OsmoBSC                         | Bug     | Stalled     | Normal   | Implement IPA PING/PONG mechanism on RSL and OML   | osmith   | 09/30/2020 08:13 PM | Related to #5785  |
| 4163 | OsmoHLR                         | Bug     | New         | Normal   | Subscriber on demand: "Error while deleting subscriber data for IMSI" after changing network access mode from cs+ps back to none | osmith   | 08/22/2019 01:41 PM |   |
| 4167 | OsmoMSC                         | Bug     | Feedback    | Normal   | Event VLR_ULA_E_ID_IMEISV not permitted  | osmith   | 09/04/2019 08:13 PM |   |
| 4447 | OsmoMGW                         | Bug     | New         | Normal   | DSCP value should be a 6 bit field   | osmith   | 03/09/2020 04:50 PM | Related to #4447  |
| 4834 | OsmocomBB                       | Bug     | New         | Normal   | package cp210x-program as part of network:osmocom:{nightly,latest}   | osmith   | 10/26/2020 06:01 PM |   |
| 5279 | OsmoMGW                         | Feature | New         | Normal   | systemd service / unit for multiple osmo-mgw on one machine  | osmith   | 10/25/2021 11:41 AM |   |
| 5301 | Core testing infrastructure     | Bug     | Stalled     | Normal   | Run TTCN3 docker tests with sanitizer enabled  | osmith   | 03/20/2024 09:28 AM | Related to #5302  |
| 5492 | OsmoBSCNAT                      | Bug     | New         | Normal   | Support MSC pooling  | osmith   | 04/11/2022 08:19 AM |   |
| 5685 | Cellular Network Infrastructure | Bug     | Feedback    | Normal   | Dropping debian 10 (buster)  | osmith   | 04/04/2023 10:10 AM | Related to #5685,Related to #5685                                   |
| 5809 | Cellular Network Infrastructure | Bug     | Feedback    | Normal   | applications disrespect potentially VTY-configured tcp/telnet port   | osmith   | 10/31/2023 09:34 AM |   |
| 6149 | OsmoGSMTester                   | Bug     | New         | Normal   | osmo-gsm-tester Gerrit verifications currently broken, not running in docker   | osmith   | 08/25/2023 09:13 AM |   |
| 6188 | Cellular Network Infrastructure | Bug     | New         | Normal   | Osmocom manuals have "draft" in debian packages of released versions   | osmith   | 09/21/2023 04:37 PM |   |
| 6225 | rtl-sdr                         | Bug     | New         | Normal   | rtl-sdr release tarballs missing from <a href="https://ftp.osmocom.org/releases/">https://ftp.osmocom.org/releases/</a>          | osmith   | 10/19/2023 09:46 AM |   |
| 6232 | libosmocore                     | Bug     | New         | Normal   | jenkins should give all libosmocore config options a try   | osmith   | 10/22/2023 04:16 PM |   |
| 6295 | OsmoSGSN                        | Bug     | New         | Normal   | TMSI realloc complete leads to SecurityModeReject  | osmith   | 12/07/2023 03:15 PM |   |
| 6324 | OsmoBSC                         | Bug     | New         | Normal   | Making a data call results in BORKEN Ichans  | osmith   | 01/05/2024 09:04 PM |   |
| 6386 | Core testing infrastructure     | Bug     | In Progress | Normal   | eclipse-titan 9.0.0 not building in debian unstable  | osmith   | 03/04/2024 02:10 PM |   |
| 6444 | OsmoUPF                         | Bug     | In Progress | Normal   | cap_net_admin for osmo-upf installation  | osmith   | 04/30/2024 07:54 AM |   |
| 2781 | OsmoBSC                         | Feature | Feedback    | Normal   | Extend OsmBSC TTCN-3 test coverage regarding resource leaks  | neels    | 03/25/2022 05:56 AM | Related to #2781,Related to #2781,Related to #5355,Related to #5337 |

| #    | Project               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                 |
|------|-----------------------|---------|-------------|----------|--|----------|---------------------|--|
| 2788 | OsmoMSC               | Feature | New         | Normal   | OsmoMSC should handle CM Service Abort message   | neels    | 01/04/2018 10:37 AM |  |
| 2795 | OsmoMSC               | Feature | New         | Normal   | Handle UTRAN_CLSM_CHG in MSC   | neels    | 04/30/2018 12:06 PM | Related to #3043                               |
| 2872 | OsmoMSC               | Bug     | Feedback    | Normal   | OsmoMSC doesn't check if CIPHER MODE COMPLETE contains cipher that matches REQUEST               | neels    | 07/29/2019 01:15 PM |  |
| 3002 | OsmoBSC               | Bug     | New         | Normal   | HO2: handover decision for dynamic timeslots   | neels    | 10/28/2020 08:46 PM | Related to #1606,Related to #1608,Blocks #3002 |
| 3069 | OsmoMSC               | Feature | New         | Normal   | investigate multiple CM Service Request on the same conn   | neels    | 10/28/2020 08:36 PM | Is duplicate of #3069                          |
| 3110 | OsmoMSC               | Bug     | New         | Normal   | Test and possibly fix ID Request after Auth failure  | neels    | 09/30/2018 11:36 AM |  |
| 3483 | OsmoBSC               | Feature | New         | Normal   | handover decision: if rxlev is ok but rxqual is bad, move from TCH/H to TCH/F                    | neels    | 10/16/2018 01:53 PM | Related to #3483                               |
| 3505 | OsmoBSC               | Feature | New         | Normal   | ttn3: test inter-BSC HO with encryption enabled  | neels    | 08/28/2018 06:38 PM | Related to #3505                               |
| 3586 | OsmoBSC               | Feature | New         | Normal   | support LCLS for inter-BSC handover  | neels    | 01/17/2019 04:18 PM | Related to #3586,Related to #3659              |
| 3620 | OsmoMSC               | Feature | Stalled     | Normal   | Implement TTCN-3 testsuite for Inter-MSC HO  | neels    | 09/04/2019 09:08 AM |  |
| 3637 | OsmoBSC               | Bug     | Feedback    | Normal   | handover decision 2: properly check available codecs   | neels    | 10/09/2018 09:45 AM | Related to #3637,Related to #3637              |
| 3644 | OsmoHLR               | Feature | New         | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR | neels    | 12/01/2019 10:02 AM | Related to #3644,Related to #3644              |
| 3656 | OsmoBSC               | Feature | New         | Normal   | inter-BSC handover outgoing: compose Cell Identifier List from several ARFCN+BSIC                | neels    | 06/08/2020 07:08 PM | Related to #3656                               |
| 3735 | OsmoMSC               | Bug     | Stalled     | Normal   | call arriving during another call has no voice   | neels    | 06/18/2019 09:18 PM |  |
| 4268 | Distributed GSM       | Bug     | In Progress | Normal   | duplicate SMS when SMPP handler sends back to the originating MSC                                | neels    | 06/08/2020 03:11 PM |  |
| 4476 | IMSI Pseudonymization | Feature | Stalled     | Normal   | OsmoHLR: support IMSI pseudo in location update  | neels    | 05/27/2020 01:11 PM | Blocks #4477                                   |
| 4493 | IMSI Pseudonymization | Feature | New         | Normal   | Specification: Cover 2G, 3G and 4G separately  | neels    | 05/27/2020 01:11 PM |  |
| 4494 | IMSI Pseudonymization | Feature | New         | Normal   | Specification: Add bibliography  | neels    | 05/27/2020 01:11 PM |  |
| 4495 | IMSI Pseudonymization | Feature | New         | Normal   | Specification: More references   | neels    | 05/27/2020 01:11 PM |  |
| 4560 | OsmoBSC               | Bug     | New         | Normal   | inter-BSC HO: target cell fails when there is no TCH, only dynamic TCH/F_PDCH timeslots          | neels    | 05/20/2020 09:00 PM |  |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|-----------------------------------|
| 4621 | OsmoBSC                         | Support | New         | Normal   | feedback: osmo-bsc modifies the LAI in LU Accept messages, and the MM info data   | neels    | 02/06/2021 09:50 AM |                                   |
| 4700 | libosmocore                     | Bug     | Feedback    | Normal   | 'socket' C test fails when there is no IPv6   | neels    | 03/24/2021 12:33 PM |                                   |
| 4716 | OsmoBSC                         | Feature | Stalled     | Normal   | support handover between different codec types, like TCH/F FR1 <--> TCH/H HR1   | neels    | 10/28/2020 08:22 PM | Related to #4717                  |
| 4721 | OsmoMSC                         | Bug     | In Progress | Normal   | osmo-msc creates evil-twin entries in the VLR when an already attached IMSI does a LU by an unknown TMSI (was: MSC_Tests.TC_lu_by_tmsi_noauth_unknown fails sporadically locally) | neels    | 03/26/2024 03:02 AM | Related to #4721                  |
| 4784 | OsmoMSC                         | Bug     | New         | Normal   | wrong cause code (resources unavailable) in MO-to-MT call without response  | neels    | 10/08/2020 02:35 PM |                                   |
| 4842 | libosmocore                     | Bug     | In Progress | Normal   | gsm0408 test fails on several architectures   | neels    | 08/23/2022 04:38 PM |                                   |
| 4883 | Cellular Network Infrastructure | Bug     | New         | Normal   | update OsmoNITB migration guide   | neels    | 12/01/2020 08:32 AM |                                   |
| 5153 | OsmoHNBGW                       | Feature | In Progress | Normal   | support hnbgw co-located GTP-U proxy (UPF)  | neels    | 11/15/2022 09:54 AM | Related to #5154,Related to #5153 |
| 5177 | osmo-sip-connector              | Bug     | New         | Normal   | respect dynamic RTP payload types of external SIP   | neels    | 08/23/2022 04:26 PM | Related to #5177,Related to #5177 |
| 5188 | Cellular Network Infrastructure | Bug     | New         | Normal   | BSSMAP Cell Identifier IE vs. Cell Identifier List IE: difference in allowed cell id types  | neels    | 08/23/2022 04:24 PM |                                   |
| 5196 | OsmoMSC                         | Bug     | New         | Normal   | Verify several "event not permitted" log lines in unit tests  | neels    | 08/23/2022 04:08 PM |                                   |
| 5197 | OsmoMSC                         | Bug     | New         | Normal   | msc_i Unimplemented msg type: HANDOVER PERFORMED  | neels    | 08/23/2022 04:05 PM |                                   |
| 5679 | libosmo-sccp + libosmo-sigtran  | Feature | In Progress | Normal   | unsupported SCCP user primitive N-PCSTATE.indication  | neels    | 02/18/2023 01:46 AM |                                   |
| 5876 | OsmoHNBGW                       | Bug     | New         | Normal   | on HNBAP HNB Register, clear previous UE state if any   | neels    | 03/20/2023 01:27 PM |                                   |
| 5904 | OsmoHNBGW                       | Feature | New         | Normal   | HNBAP Register Request handling does checks that seem to make no sense  | neels    | 09/01/2023 05:00 AM |                                   |
| 5917 | libosmo-sccp + libosmo-sigtran  | Feature | Feedback    | Normal   | immediately detect SCTP SHUTDOWN in SCCP link / in SCCP user / in active SCCP connections   | neels    | 03/20/2023 10:23 AM |                                   |
| 6151 | OsmoMSC                         | Feature | Feedback    | Normal   | osmo-msc: Ability to configure (VTY) the AMR(-WB) formats used in RAB-Assignment-Req  | neels    | 08/30/2023 08:16 PM |                                   |
| 6185 | Core testing infrastructure     | Bug     | New         | Normal   | Submit titan.ProtocolEmulations.SCCP patch upstream   | neels    | 09/20/2023 06:22 PM |                                   |
| 6217 | OsmoMSC                         | Bug     | Feedback    | Normal   | Bearer Capability mismatch in MT SETUP  | neels    | 10/10/2023 10:17 PM |                                   |
| 6318 | OsmoBSC                         | Bug     | Feedback    | Normal   | Show lchan shows wrong number of channels for TCH   | neels    | 12/25/2023 01:01 AM |                                   |
| 6319 | Osmo-CC                         | Feature | New         | Normal   | protocol version should have a defined end marker   | neels    | 01/10/2024 01:31 PM |                                   |

| #    | Project                                  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|--|---------|-------------|----------|---|----------|---------------------|---|
| 6431 | OsmoHNBGW                                | Bug     | New         | Normal   | (coverity) uninitialized asn.1 state / overwriting asn.1 state in HNBAP           | neels    | 04/04/2024 11:08 PM |   |
| 3711 | SIMtrace 2                               | Feature | New         | Normal   | Add screw holes for permanent installations                                       | mschramm | 11/01/2023 08:28 PM |   |
| 4030 | OsmocomBB                                | Feature | In Progress | Normal   | design breakout board for GTM900-B  | mschramm | 01/05/2024 08:00 AM | Related to #4575,Related to #4610                                   |
| 4118 | SIMtrace 2                               | Bug     | New         | Normal   | VCC_PHONE strong pull on SIMtrace board   | mschramm | 02/01/2023 12:16 PM | Related to #4118,Related to #4118                                   |
| 4810 | osmo-clock-conv                          | Feature | New         | Normal   | horizontal DC input on rear side of PCB   | mschramm | 10/15/2020 10:53 PM |   |
| 4857 | osmo-clock-gen                           | Bug     | Stalled     | Normal   | FLV9001IDBVR no longer in stock ag digikey  | mschramm | 04/10/2021 10:22 PM |   |
| 5002 | M.2 (NGFF) WWAN modem USB breakout board | Feature | New         | Normal   | Ensure current return paths via M.2 connector are sufficient                      | mschramm | 03/23/2021 06:48 PM |   |
| 6192 | OP25                                     | Bug     | New         | Normal   | Unable to host behind NGINX reverse proxy   | max      | 09/27/2023 01:56 AM |   |
| 4593 | OP25                                     | Support | New         | Normal   | Link to samples on the wiki is dead   | matt     | 06/07/2020 06:53 PM |   |
| 6282 | OCTOI - Osmocom Community TDM over IP    | Bug     | New         | Normal   | high BERT from laforge->divf->manawyrm  | manawyrm | 12/03/2023 04:03 PM | Related to #6282  |
| 2189 | OsmoGSMTester                            | Bug     | New         | Normal   | ofono: EC20: cannot send SMS  | lynxis   | 11/28/2017 04:21 PM |   |
| 2237 | OsmoGSMTester                            | Bug     | Feedback    | Normal   | ofono: Gobi modem: successful SMS delivery is evaluated as not successful         | lynxis   | 06/07/2018 02:08 PM | Related to #2237,Related to #2237,Blocks #2237                      |
| 3403 | OsmoSGSN                                 | Bug     | New         | Normal   | osmo-sgsn doesn not connect properly with via SCCP when restarted                 | lynxis   | 02/07/2021 12:57 PM | Related to #3403  |
| 4520 | osmo-gbproxy                             | Feature | In Progress | Normal   | gbproxy: Redundancy between NS-VCs (BSS Side)                                     | lynxis   | 02/19/2021 04:50 PM | Related to #4520  |
| 4600 | OsmoSGSN                                 | Bug     | Feedback    | Normal   | gmm_fsm{CommonProcedureInitiated}: Event E_GMM_COMMON_PROC_INIT_REQ not permitted | lynxis   | 06/08/2020 06:08 PM | Related to #4604  |
| 4601 | OsmoSGSN                                 | Bug     | Feedback    | Normal   | gmm_fsm{Registered.SUSPENDED}: Event E_GMM_COMMON_PROC_INIT_REQ not permitted     | lynxis   | 06/08/2020 06:11 PM | Related to #4604  |
| 4602 | OsmoSGSN                                 | Bug     | Feedback    | Normal   | SGSN crash with "Assert failed mm->gb.llme == NULL gprs_sgsn.c:358"               | lynxis   | 02/26/2021 07:34 PM | Related to #4604,Related to #4605,Related to #4602                  |
| 4604 | OsmoSGSN                                 | Bug     | New         | Normal   | Lots of "Unusual event"   | lynxis   | 06/13/2020 06:19 PM | Related to #4604,Related to #4604,Related to #4604,Related to #4604 |
| 4768 | OsmoBSC                                  | Bug     | New         | Normal   | pcu interface: add missing field ts, trx on rach indication                       | lynxis   | 09/30/2020 08:10 PM |   |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--|---------|-------------|----------|--|----------|---------------------|------------------|
| 4844 | OsmoPCU  | Bug     | Feedback    | Normal   | do not resent DL assignment on RACH  | lynxis   | 07/28/2023 02:44 PM |                  |
| 4845 | OsmoPCU  | Bug     | Feedback    | Normal   | only send content resolution if it's needed  | lynxis   | 07/28/2023 02:45 PM |                  |
| 5179 | libosmocore                                    | Bug     | New         | Normal   | gprs_ns2: use refcounting for the NSE  | lynxis   | 06/13/2021 03:08 AM |                  |
| 5180 | libosmocore                                    | Bug     | In Progress | Normal   | ns2: Document NS inspection/blocking commands  | lynxis   | 06/15/2021 01:10 PM |                  |
| 5208 | libosmocore                                    | Bug     | Feedback    | Normal   | ns2: add testcase for SNS Size with invalid tlv  | lynxis   | 02/12/2023 08:37 PM |                  |
| 5230 | OsmoHNBGW                                      | Bug     | In Progress | Normal   | hnbgw fails to connect to the sgsn   | lynxis   | 10/14/2021 07:50 AM |                  |
| 5277 | libosmocore                                    | Bug     | New         | Normal   | ns2: Allow SNS-CONFIG PDUs from unknown endpoints during config procedure                  | lynxis   | 10/22/2021 02:28 PM |                  |
| 5415 | SIMtrace 2                                     | Bug     | New         | Normal   | cardem: watchdog triggers firmware reset   | lynxis   | 02/15/2022 08:07 PM |                  |
| 5507 | libosmocore                                    | Feature | New         | Normal   | Optimize reset time after SGSN is restarted  | lynxis   | 03/31/2022 12:33 PM |                  |
| 5632 | Core testing infrastructure                    | Bug     | In Progress | Normal   | better test result summary / notifications   | lynxis   | 08/31/2022 11:58 AM |                  |
| 5657 | OsmoDia2GSUP                                   | Bug     | Feedback    | Normal   | dia2gsup not (re-)connecting to HLR if osmo-hlr is down                                    | lynxis   | 11/11/2023 06:20 PM |                  |
| 5716 | libosmocore                                    | Bug     | New         | Normal   | Replace dynamic (DEAD) NSE if we receive an NS_RESET from a conflicting NSVC               | lynxis   | 10/17/2022 04:40 PM |                  |
| 5757 | OsmoDia2GSUP                                   | Feature | Feedback    | Normal   | functional test suite for osmo_dia2gsup  | lynxis   | 09/06/2023 02:48 PM |                  |
| 5758 | OsmoDia2GSUP                                   | Feature | New         | Normal   | bring osmo_dia2gsup to production quality  | lynxis   | 03/30/2023 08:13 PM |                  |
| 5889 | OsmoHLR  | Bug     | In Progress | Normal   | subscriber data: send out correct PDP Info   | lynxis   | 09/01/2023 04:20 PM |                  |
| 6137 | OsmoHNBGW                                      | Feature | New         | Normal   | ip.access Nano3G   | lynxis   | 10/21/2023 07:24 PM |                  |
| 6155 | OsmoDia2GSUP                                   | Bug     | Feedback    | Normal   | osmo_dia2gsup not setting Origin-State-Id Diameter AVP during Device-Watchdog-{Req,Answer} | lynxis   | 11/11/2023 06:19 PM |                  |
| 6158 | OsmoHNBGW                                      | Bug     | New         | Normal   | IMSI not shown in "show ue all"  | lynxis   | 08/29/2023 03:11 PM |                  |
| 6215 | Cellular Network Infrastructure                | Bug     | New         | Normal   | Rebase open5gs pcrf_simple patches and submit upstream                                     | lynxis   | 10/18/2023 02:53 PM |                  |
| 6254 | OsmoDia2GSUP                                   | Bug     | In Progress | Normal   | Reconnects of the ttcn3 aren't handled   | lynxis   | 11/11/2023 05:13 PM |                  |
| 6361 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | Normal   | open5gs-upfd: Fix open5gs package assigning 1st IP address of the UE pool to the ogstun    | lynxis   | 04/22/2024 05:29 PM | Related to #6361 |
| 6363 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New         | Normal   | strongswan: Catch IKEv2 disconnects  | lynxis   | 02/17/2024 01:21 AM |                  |
| 6364 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | strongswan: gsup: remove single request limitation   | lynxis   | 02/20/2024 05:59 PM | Related to #6366 |
| 6365 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New         | Normal   | strongswan: get the PDP type out of the IKE_AUTH/CFG_REQUEST                               | lynxis   | 02/23/2024 03:29 AM |                  |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|--|---------|-------------|----------|---|----------|---------------------|---|
| 6366 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New         | Normal   | strongswan: test if gsup_client will resend old requests on reconnect         | lynxis   | 02/18/2024 09:16 PM | Related to #6366  |
| 6370 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | setup ims with kamailio   | lynxis   | 03/14/2024 09:01 PM |   |
| 6396 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | Normal   | add support for auth failure with resync                                      | lynxis   | 03/11/2024 10:19 AM |   |
| 6435 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | epdg: fix inter-UE traffic  | lynxis   | 04/08/2024 06:55 PM |   |
| 1460 | SIMtrace 2                                     | Feature | New         | Normal   | include some version information / negotiation in the USB protocol            | laforge  | 12/06/2019 01:39 PM | Related to #1461,Related to #4041                                   |
| 1762 | libosmocore                                    | Bug     | New         | Normal   | Review LAPD code for race conditions regarding state, particularly in RELEASE | laforge  | 03/24/2021 12:37 PM | Related to #1760,Related to #1761,Related to #1982,Related to #2694 |
| 1908 | osmo-qcdiag                                    | Feature | New         | Normal   | add VTY interface to osmo-qcdiag  | laforge  | 01/12/2017 01:15 PM |   |
| 2259 | libosmo-sccp + libosmo-sigtran                 | Bug     | New         | Normal   | problem with local reference  | laforge  | 07/19/2017 04:25 PM |   |
| 2383 | OsmoPCU  | Bug     | New         | Normal   | incompatibility with some SGSNs during P-TMSI allocation                      | laforge  | 07/04/2018 12:50 PM |   |
| 2724 | OsmoBSC  | Feature | New         | Normal   | Improve default timers  | laforge  | 01/04/2018 11:06 AM | Related to #2724  |
| 2807 | Z-Netz   | Bug     | Stalled     | Normal   | Obtain ZERBERUS software build[s] and manual[s]                               | laforge  | 01/01/2020 01:51 PM |   |
| 3020 | OsmoBSC  | Bug     | New         | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.ttcn                 | laforge  | 05/21/2019 06:29 PM |   |
| 3371 | SIMtrace 2                                     | Feature | New         | Normal   | migrate to use arm-none-eabi build of libosmocore.git                         | laforge  | 08/09/2018 12:14 PM |   |
| 3566 | Misc Hardware Projects                         | Feature | Stalled     | Normal   | power supply / battery / charge for our GSM-R OPS 940                         | laforge  | 04/02/2023 09:05 AM |   |
| 3569 | OsmoBTS  | Bug     | Stalled     | Normal   | Some phones don't receive SMS CB  | laforge  | 01/14/2019 03:32 PM |   |
| 3884 | osmo-remsim                                    | Feature | New         | Normal   | redesign bankd thread architecture  | laforge  | 05/08/2019 03:31 PM | Related to #5527,Precedes #3885,Precedes #3886                      |
| 3885 | osmo-remsim                                    | Feature | New         | Normal   | remsim-server should expose status information                                | laforge  | 04/01/2019 07:23 PM | Precedes #3885  |
| 3886 | osmo-remsim                                    | Feature | New         | Normal   | expose ICCID or even IMSI of all cards on remsim-server                       | laforge  | 05/08/2019 03:31 PM | Precedes #3886  |
| 4041 | SIMtrace 2                                     | Bug     | New         | Normal   | implement SIMTRACE_CMD_BD_BOARD_INFO  | laforge  | 12/06/2019 01:38 PM | Related to #4041  |



| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 4104 | libosmocore                     | Bug     | New         | Normal   | support for KASME generation   | laforge  | 07/12/2019 10:15 AM | Related to #4105                  |
| 4105 | libosmocore                     | Feature | New         | Normal   | Support for LTE key derivation functions   | laforge  | 07/13/2019 02:07 AM | Related to #4105                  |
| 4149 | libosmocore                     | Bug     | New         | Normal   | osmo_fsm allows event names to have spaces in them                                   | laforge  | 01/25/2022 09:53 AM |                                   |
| 4249 | osmo-remsim                     | Feature | New         | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem                  | laforge  | 09/08/2021 07:48 PM | Related to #5216                  |
| 4341 | BBS-Revival                     | Feature | New         | Normal   | setup for telnet access to legacy BBS software which doesn't have telnet/tcp support | laforge  | 10/03/2022 12:09 PM |                                   |
| 4430 | SIMtrace 2                      | Bug     | New         | Normal   | firmware can get in endless out-of-memory loop on OUT EP flood                       | laforge  | 11/14/2022 11:46 PM |                                   |
| 4431 | osmo-clock-gen                  | Bug     | In Progress | Normal   | TC1 (TC2050) pin 4 should connect to VDD network, not VDD_3V3                        | laforge  | 07/20/2020 10:42 PM |                                   |
| 4440 | OsmoBTS                         | Bug     | New         | Normal   | osmo_bts_virtual doesn't detect if mobile/virtphy is gone                            | laforge  | 03/07/2020 03:44 PM |                                   |
| 4464 | libosmo-abis                    | Bug     | In Progress | Normal   | "osmo_rtp_socket_poll(): ERROR!" messages during normal osmo-bts usage               | laforge  | 02/06/2021 02:27 PM | Related to #4467                  |
| 4469 | OsmoTRX                         | Bug     | New         | Normal   | osmo-trx-uhd is sending UDP packets to port 49600 at various addresses on startup    | laforge  | 06/13/2020 06:07 PM |                                   |
| 4498 | osmo-uecups                     | Feature | New         | Normal   | IPv6 neighbor discovery  | laforge  | 04/17/2020 08:33 AM |                                   |
| 4521 | osmo-gbproxy                    | Feature | New         | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)                                       | laforge  | 01/19/2021 05:24 PM | Related to #4959                  |
| 4645 | OsmoBSC                         | Bug     | New         | Normal   | OM2K: "Sequence Error" due to too early initialization of RSL during BTS start       | laforge  | 07/04/2020 07:24 PM |                                   |
| 4650 | OsmoBSC                         | Feature | New         | Normal   | Add BIG FAT error message in case OM2000 BTS fail to start up                        | laforge  | 07/04/2020 07:30 PM |                                   |
| 4683 | OsmoBSC                         | Bug     | New         | Normal   | properly report OM2000 bring-up problems   | laforge  | 07/30/2020 06:50 AM | Related to #4683,Related to #6378 |
| 4692 | Core testing infrastructure     | Feature | Stalled     | Normal   | finally implement testing of the actual voice audio path                             | laforge  | 04/19/2021 06:27 PM |                                   |
| 4727 | libosmocore                     | Feature | Feedback    | Normal   | Add more distro/platform/archs to jenkins CI   | laforge  | 05/15/2023 09:48 AM | Is duplicate of #4789             |
| 5124 | Cellular Network Infrastructure | Feature | Feedback    | Normal   | network:osmocom:nightly feed with "-O0" builds                                       | laforge  | 05/11/2023 11:11 AM |                                   |
| 5127 | pySim                           | Feature | New         | Normal   | tool for "re-formatting" [sysmocom] cards in tester                                  | laforge  | 10/14/2021 07:16 PM | Related to #5127                  |
| 5268 | pySim                           | Feature | New         | Normal   | pySim-shell: GlobalPlatform SCP02 support  | laforge  | 10/14/2021 07:12 PM | Related to #5268                  |
| 5378 | erlang/osmo_ss7                 | Bug     | New         | Normal   | ipa: add support for client application  | laforge  | 01/05/2022 08:36 PM |                                   |
| 5403 | OsmoMSC                         | Feature | New         | Normal   | Can't connect Call from 2G to 4G network   | laforge  | 01/14/2022 10:41 PM |                                   |
| 5422 | SIMtrace 2                      | Feature | In Progress | Normal   | "cardem" continuous testing setup  | laforge  | 01/27/2022 12:22 PM | Related to #5422                  |

| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|-------------|----------|---|----------|---------------------|------------------|
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New         | Normal   | authentication in TDMoIP protocol   | laforge  | 11/07/2022 05:29 PM |                  |
| 5442 | OCTOI - Osmocom Community TDM over IP | Feature | New         | Normal   | ensure sequence number covers longer duration than default PRI LOS timer      | laforge  | 02/06/2022 08:16 AM |                  |
| 5464 | SIMtrace 2                            | Bug     | In Progress | Normal   | cardem firmware unable to attach to card                                      | laforge  | 11/18/2022 06:41 PM | Related to #5464 |
| 5466 | OsmocomBB                             | Feature | New         | Normal   | CP2102N evaluation for burst_ind baudrate                                     | laforge  | 02/22/2022 07:17 PM |                  |
| 5614 | osmo-remsim                           | Feature | New         | Normal   | log also application-level errors   | laforge  | 07/11/2022 08:09 PM |                  |
| 5630 | pySim                                 | Bug     | Stalled     | Normal   | pySim-trace doesn't support decoding classic SIM cards (TS 11.11 / TS 51.011) | laforge  | 07/24/2022 11:06 AM |                  |
| 5633 | osmo-clock-gen                        | Feature | New         | Normal   | towards a first osmo-clock-gen production batch                               | laforge  | 07/26/2022 12:39 PM |                  |
| 5681 | Retronetworking                       | Bug     | New         | Normal   | Figure out suitable connectors for EKSOS                                      | laforge  | 07/31/2023 10:22 AM |                  |
| 5691 | libosmo-abis                          | Feature | Stalled     | Normal   | Expose DAHDI statistics to prometheus   | laforge  | 01/05/2023 06:06 PM |                  |
| 5694 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled     | Normal   | BERT testing  | laforge  | 12/31/2022 08:24 PM |                  |
| 5824 | osmo-e1d                              | Bug     | Feedback    | Normal   | Line dead message in the log after start                                      | laforge  | 12/25/2023 01:43 PM |                  |
| 5826 | SIMtrace 2                            | Feature | Stalled     | Normal   | SAM4S4BA support in firmware  | laforge  | 01/31/2023 08:06 PM | Related to #5826 |
| 5855 | Retronetworking                       | Feature | New         | Normal   | Establishing a German non-profit for retronetworking                          | laforge  | 01/13/2023 11:59 AM |                  |
| 5891 | osmo-remsim                           | Bug     | New         | Normal   | bankd: potential pthread deadlock reported by coverity                        | laforge  | 02/03/2023 07:35 PM |                  |
| 5896 | libosmo-abis                          | Bug     | Feedback    | Normal   | libosmo-abis built without --enable-e1d in deb and rpm packages               | laforge  | 02/07/2023 11:40 AM | Blocks #5896     |
| 5929 | Cellular Network Infrastructure       | Feature | In Progress | Normal   | document current (milestones of) nlnet funded projects; mention nlnet funding | laforge  | 04/04/2023 10:05 AM |                  |
| 5938 | Retrocomputing                        | Feature | In Progress | Normal   | assemble "fake parallel printer"  | laforge  | 09/13/2023 09:32 AM |                  |
| 6023 | Core testing infrastructure           | Feature | Stalled     | Normal   | test rack/lab power management software with usage/reference counting         | laforge  | 10/18/2023 05:42 PM |                  |
| 6089 | pySim                                 | Feature | Feedback    | Normal   | log the current file / operation during execution of a script                 | laforge  | 11/27/2023 04:37 PM |                  |
| 6119 | pySim                                 | Bug     | In Progress | Normal   | aram_get_config runs into an exception on a sysmocomSJA2                      | laforge  | 12/05/2023 05:26 PM |                  |
| 6218 | Retronetworking                       | Feature | New         | Normal   | write article/report on EWSD rescue for IGHFT / Fernmeldemuseum Dresden       | laforge  | 10/17/2023 02:11 PM |                  |
| 6219 | Retronetworking                       | Feature | New         | Normal   | Publish pics/videos for EWSD rescue/move                                      | laforge  | 10/17/2023 02:10 PM |                  |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee      | Updated             | Related issues   |
|------|--|---------|-------------|----------|---|---------------|---------------------|--|
| 6291 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New         | Normal   | 2024 event bringing together FOSS projects related to mobile communications                   | laforge       | 12/13/2023 08:54 PM |  |
| 6317 | pySim  | Bug     | Stalled     | Normal   | data driven tests for TLV decoders  | laforge       | 02/15/2024 09:21 PM |  |
| 6392 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | New         | Normal   | video recording / c3voc at OsmoDevCon 2024  | laforge       | 03/06/2024 12:08 PM |  |
| 6153 | OsmoHNodeB   | Support | Feedback    | Normal   | List of supported FemtoCell   | Kira          | 08/28/2023 02:24 PM |  |
| 2487 | OsmoMSC  | Feature | Stalled     | Normal   | MSC side of LCLS (local call local switching) as per the 3GPP specs                           | keith         | 10/17/2022 04:31 AM | Related to #1602,Related to #3659,Related to #3691,Related to #3618,Related to #3294,Related to #5712,Blocks #2487 |
| 4856 | OsmoPCU  | Bug     | Feedback    | Normal   | PCU is running but has no NS connection and does not retry.                                   | keith         | 10/18/2021 10:02 AM |  |
| 4922 | OsmoBSC  | Feature | In Progress | Normal   | Implement MS Power Control  | keith         | 11/04/2021 06:37 PM |  |
| 5986 | OsmoBSC  | Bug     | New         | Normal   | PAGING impossible until CCCH LOAD IND is received from the BTS                                | keith         | 03/31/2023 09:13 AM |  |
| 5770 | SIMtrace 2   | Bug     | Feedback    | Normal   | simtrace2 firmware ignores any but the first USB message sent by simtrace2-list after a reset | jtavares      | 11/23/2022 04:01 AM |  |
| 3672 | Osmocom Analog   | Feature | New         | Normal   | Custom announcement and tones   | jolly         | 02/01/2021 10:25 AM |  |
| 5247 | Osmocom Analog   | Bug     | New         | Normal   | AMPS Segmentation fault   | jolly         | 10/04/2021 11:48 PM |  |
| 5335 | OsmoBSC  | Bug     | In Progress | Normal   | osmo-bsc: Add VTY commands to configure T3.. and N3.. timers counters for gprs                | jolly         | 12/17/2023 12:59 PM | Related to #5915,Related to #5991  |
| 5774 | OsmoBTS  | Bug     | Feedback    | Normal   | Drop pcu_sock conn if queue length grows up to a given threshold                              | jolly         | 12/17/2023 12:59 PM |  |
| 5991 | OsmoBSC  | Bug     | New         | Normal   | Forward TSNS-PROV bsc->[bts->]pcu   | jolly         | 12/17/2023 12:59 PM | Related to #5991   |
| 6136 | OsmoMGW  | Feature | Stalled     | Normal   | libosmo-mgcp-client should ignore unknown codecs in SDP                                       | jolly         | 12/07/2023 06:27 AM | Related to #6136,Related to #6177,Blocks #6136   |
| 6152 | OsmoMSC  | Bug     | In Progress | Normal   | built-in MNCC: forward the @Low layer compatibility I@ IE to the called subscriber            | jolly         | 12/20/2023 12:52 PM | Related to #6152   |
| 5805 | SIMtrace 2   | Feature | New         | Normal   | SIM Trace 2 Build for Windows   | jelson_simEng | 04/02/2023 09:56 AM |  |

| #    | Project                        | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues                                     |
|------|--------------------------------|---------|-------------|----------|--|-----------|---------------------|--|
| 1506 | UmTRX                          | Feature | New         | Normal   | Move to the latest stable UHD  | ipse      | 02/21/2016 04:47 PM |  |
| 1509 | UmTRX                          | Feature | New         | Normal   | Store calibration values in EEPROM   | ipse      | 02/21/2016 04:47 PM |  |
| 3747 | UmTRX                          | Feature | New         | Normal   | LMS6002D RX Gain Control   | ipse      | 01/08/2019 09:46 AM |  |
| 3414 | gr-osmosdr                     | Feature | New         | Normal   | Include Airspy serial number in connection string.   | horiz0n   | 07/24/2018 04:52 AM |  |
| 3462 | gr-osmosdr                     | Bug     | New         | Normal   | gr-osmosdr installation bladerf conversion errors  | horiz0n   | 07/18/2019 05:35 AM |  |
| 3512 | gr-osmosdr                     | Support | New         | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails  | horiz0n   | 01/26/2019 06:10 PM |  |
| 3592 | gr-osmosdr                     | Bug     | New         | Normal   | rtl: Race Conditions   | horiz0n   | 07/18/2019 05:35 AM |  |
| 3802 | gr-osmosdr                     | Feature | New         | Normal   | New release  | horiz0n   | 02/15/2019 07:22 AM |  |
| 3855 | gr-osmosdr                     | Bug     | New         | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8  | horiz0n   | 07/13/2020 10:05 PM |  |
| 3882 | gr-osmosdr                     | Bug     | New         | Normal   | Cannot compile gr-osmosdr!   | horiz0n   | 07/18/2019 05:35 AM |  |
| 4098 | gr-osmosdr                     | Bug     | New         | Normal   | [BladeRF micro] Arguments set in osmocom Sink and Source are not passed to libbladerf      | horiz0n   | 07/18/2019 05:35 AM |  |
| 6443 | gr-osmosdr                     | Bug     | New         | Normal   | RF gain: erroneously using 14  | horiz0n   | 04/27/2024 06:21 PM |  |
| 1906 | osmo-qcdiag                    | Bug     | Feedback    | Normal   | wireshark: fix decoding of (E)GPRS RLC/MAC frames  | Hoernchen | 02/08/2021 08:07 PM |  |
| 3342 | OsmoTRX                        | Bug     | Stalled     | Normal   | osmo-trx-lms: low tx output power level  | Hoernchen | 04/06/2022 09:25 AM | Related to #3342,Blocks #3342                      |
| 3815 | SIMtrace 2                     | Bug     | New         | Normal   | simtrace2 fails USB-IF CH9 test  | Hoernchen | 05/12/2020 07:24 PM |  |
| 4072 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | Implement IPA PING/PONG mechanism in libosmo-sigtran +                                     | Hoernchen | 06/21/2019 02:51 PM | Related to #4072                                   |
| 4468 | OsmoTRX                        | Bug     | Feedback    | Normal   | "RSSI offset" default of 0 is not useful   | Hoernchen | 10/14/2020 02:40 PM | Related to #4468,Related to #4468,Related to #4583 |
| 4776 | osmo-ccid-firmware             | Bug     | New         | Normal   | Reader does not answer to GET CLOCK FREQUENCIES command                                    | Hoernchen | 10/03/2020 07:31 PM |  |
| 4777 | osmo-ccid-firmware             | Bug     | New         | Normal   | Reader does not answer to GET DATA RATES command   | Hoernchen | 10/14/2020 02:36 PM |  |
| 5178 | OsmoTRX                        | Bug     | New         | Normal   | LimeNET Micro clock error  | Hoernchen | 09/15/2021 09:42 AM |  |
| 5214 | OsmoMGW                        | Feature | In Progress | Normal   | osmo-mgw multithreading  | Hoernchen | 08/31/2021 09:20 AM |  |
| 5859 | OsmoTRX                        | Feature | New         | Normal   | remove non-neon and non-sse support  | Hoernchen | 01/16/2023 10:17 PM |  |
| 6162 | libosmocore                    | Bug     | Feedback    | Normal   | master build failure with clang-16   | Hoernchen | 11/18/2023 09:17 AM |  |
| 6233 | libosmocore                    | Bug     | Feedback    | Normal   | --enable-embedded build fails if pkg-config can't find some of the (disabled) dependencies | Hoernchen | 11/24/2023 04:15 PM |  |
| 6338 | OsmocomBB                      | Bug     | Feedback    | Normal   | ms-sdr gprs startup issues   | Hoernchen | 01/24/2024 03:58 PM |  |
| 6342 | OsmocomBB                      | Bug     | Feedback    | Normal   | ms-sdr gprs performance  | Hoernchen | 02/05/2024 05:00 PM | Related to #6342                                   |

| #    | Project                         | Tracker | Status   | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|----------|----------|--|----------|---------------------|---|
| 5639 | SIMtrace 2                      | Bug     | Feedback | Normal   | No packet captured but only "Card state change:"   | g1bbs    | 09/20/2023 01:29 PM |   |
| 1526 | OsmoPCU                         | Feature | Stalled  | Normal   | Acquire/update timing advance (TA)   | fixeria  | 03/25/2021 12:04 PM | Related to #1545,Related to #1531,Related to #1524,Related to #3472,Related to #2977                  |
| 1545 | OsmoPCU                         | Feature | Stalled  | Normal   | continuous timing advance loop using PTCCCH  | fixeria  | 03/24/2020 09:49 PM | Related to #1545,Related to #4102,Related to #4500,Blocks #1545                                       |
| 2514 | GSM Audio Pocket Knife          | Bug     | Stalled  | Normal   | GSM HR encoding result does not match the reference  | fixeria  | 04/03/2019 08:37 AM |   |
| 3521 | libosmocore                     | Feature | New      | Normal   | core/utls: engineering notation helpers  | fixeria  | 09/04/2018 08:32 PM |   |
| 3557 | OsmocomBB                       | Bug     | New      | Normal   | trxcon: decoding errors after applying a new TCH mode  | fixeria  | 06/21/2019 11:56 AM |   |
| 3666 | OsmocomBB                       | Feature | New      | Normal   | trxcon: Introduce VTY interface  | fixeria  | 02/26/2020 02:43 PM | Related to #3667  |
| 4006 | Cellular Network Infrastructure | Feature | Stalled  | Normal   | TRX protocol: wind of change   | fixeria  | 10/27/2021 10:22 PM | Related to #4006,Related to #4006,Related to #4081,Related to #4658,Related to #4941,Related to #5283 |
| 4500 | OsmoBTS                         | Bug     | Stalled  | Normal   | osmo-bts-[sysmo,oc2g,litecell15]: PTCCCH/U is not enabled on PDCH timeslots                    | fixeria  | 06/25/2020 04:48 PM | Related to #4500,Related to #4500,Related to #4501  |
| 4565 | OsmoHLR                         | Bug     | New      | Normal   | TTCN-3 testsuite: mDNS_UDP: maximum number of open file descriptors is greater than FD_SETSIZE | fixeria  | 06/17/2020 09:28 AM |   |
| 4731 | libosmocore                     | Bug     | Stalled  | Normal   | LAPDm does not implement SAPI priorities between data link layers                              | fixeria  | 08/28/2020 11:21 AM | Related to #4731,Related to #4731   |
| 4797 | libosmocore                     | Bug     | Feedback | Normal   | vty: the output of 'show ns' command is confusing  | fixeria  | 10/23/2020 05:35 PM | Related to #4855,Related to #5085   |
| 4801 | OsmoBTS                         | Bug     | Stalled  | Normal   | BTS_Tests.TC_tch_sign_l2_fill_frame_dtxd fails   | fixeria  | 11/15/2023 08:32 AM | Related to #4801,Related to #5474   |
| 4848 | OsmoBSC                         | Bug     | Feedback | Normal   | osmo-bsc user manual shows tables with per-bts counters three (!) times                        | fixeria  | 03/06/2022 09:08 PM | Related to #4848,Related to #4848   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                 |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 4941 | OsmoBTS                         | Feature | Stalled     | Normal   | VAMOS support in OsmoBTS   | fixeria  | 03/18/2022 01:19 AM | Related to #4941,Related to #4941,Blocks #4941 |
| 5025 | OsmoBTS                         | Feature | New         | Normal   | Missing TTCN-3 coverage for the Timing Advance loop  | fixeria  | 07/02/2021 04:28 PM |  |
| 5242 | OsmoBTS                         | Bug     | Stalled     | Normal   | A-bis/RSL: CRCX ACK indicates '0.0.0.0' as the local/bind address                          | fixeria  | 05/01/2022 01:15 PM |  |
| 5283 | OsmoTRX                         | Feature | New         | Normal   | Implement TRXDv2 support   | fixeria  | 10/27/2021 10:35 PM | Related to #5283                               |
| 5340 | OsmoMSC                         | Bug     | New         | Normal   | ttn3-msc-test: more memory leaks   | fixeria  | 05/15/2022 04:47 PM |  |
| 5517 | OsmoBTS                         | Bug     | New         | Normal   | ttn3-bts-test: new sporadic test case failures   | fixeria  | 03/20/2023 11:45 PM |  |
| 5570 | libosmocore                     | Bug     | New         | Normal   | coding: decode in-band data in AMR's special DTX frames (SID_FIRST, SID_UPDATE, SID_ONSET) | fixeria  | 05/24/2022 08:34 AM | Related to #5570                               |
| 5665 | Core testing infrastructure     | Bug     | Stalled     | Normal   | ERROR: files left in build directory after distclean: ./tests/core                         | fixeria  | 11/14/2023 12:39 PM | Related to #5665,Related to #5858              |
| 5696 | OsmoPCU                         | Bug     | Stalled     | Normal   | RLC/MAC: poll timeout when assigning a multi-slot DL TBF                                   | fixeria  | 10/05/2022 11:01 AM |  |
| 5749 | Cellular Network Infrastructure | Bug     | New         | Normal   | configure.ac: default CFLAGS, LT_INIT adds "-g -O2"  | fixeria  | 01/31/2023 08:12 PM |  |
| 5878 | pySim                           | Bug     | New         | Normal   | pySim shell: version fails with DistributionNotFound                                       | fixeria  | 10/06/2023 09:03 AM |  |
| 5952 | OsmoBTS                         | Bug     | New         | Normal   | ttn3-bts-test: TC_ho_physical_info fails   | fixeria  | 11/15/2023 08:23 AM |  |
| 5953 | OsmoBTS                         | Bug     | Feedback    | Normal   | ttn3-bts-test: TC_ms_pwr_ctrl_{constant,pf_ewma} are failing                               | fixeria  | 03/25/2024 05:19 PM |  |
| 6019 | OsmoBSC                         | Bug     | New         | Normal   | "PCU version PCU socket has LOST connection connected"                                     | fixeria  | 10/18/2023 05:42 PM |  |
| 6132 | OsmocomBB                       | Feature | New         | Normal   | Add MS_GPRS_Tests to osmo-ttn3-hacks   | fixeria  | 10/04/2023 10:29 PM | Related to #6132                               |
| 6349 | Cellular Network Infrastructure | Bug     | Feedback    | Normal   | example configs missing in release tarballs  | fixeria  | 01/29/2024 04:04 PM |  |
| 6422 | OsmoBSC                         | Bug     | Feedback    | Normal   | latest: BSC_Tests.TC_ctrl_location started fo fail on March 15th                           | fixeria  | 04/02/2024 06:56 PM |  |
| 6426 | OsmoMSC                         | Bug     | Feedback    | Normal   | ttn3-msc-test: TC_mm_id_resp_no_identity fails sporadically                                | fixeria  | 04/03/2024 06:49 PM | Related to #6426,Related to #6427              |
| 4881 | OsmoBSC                         | Bug     | Feedback    | Normal   | osmo-bsc with unixsocket to osmo-el2tpd fails to bring up rbs6k (dug20+rrus12)             | firs     | 01/01/2021 10:10 AM |  |
| 6135 | OsmoHLR                         | Feature | Stalled     | Normal   | Implement routing of SMS-over-GSUP messages between connected MSC/VLRs and SMSCs           | falconia | 01/09/2024 01:11 PM | Related to #6312                               |
| 4200 | OsmoMSC                         | Feature | In Progress | Normal   | Work around nano3G-S16 requiring RAB ID to be below 16                                     | efistokl | 09/14/2019 09:48 AM |  |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 2977 | OsmoBTS                         | Feature | Stalled     | Normal   | OsmoBTS measurement processing at L1SAP too complex / pass measurements along with data          | dexter   | 05/18/2020 06:47 PM | Related to #2977,Related to #2977,Related to #3530,Related to #3428,Related to #3395,Related to #2977,Related to #3803 |
| 4005 | OsmoMGW                         | Bug     | Stalled     | Normal   | TTCN3 crashes when receiving an RTP MGCP_DUMMY_LOAD from osmo-mgw during CRCX                    | dexter   | 06/14/2021 08:31 AM | Related to #4005   |
| 4365 | OsmoTRX                         | Support | Stalled     | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load                           | dexter   | 09/03/2020 10:33 AM | Related to #4366   |
| 4384 | pySim                           | Feature | Stalled     | Normal   | Jenkins program-read verification on daily (or weekly) basis                                     | dexter   | 03/27/2023 04:13 PM | Related to #4384   |
| 5308 | OsmoBSC                         | Bug     | Stalled     | Normal   | confusion around mgw e1 line vs trunk dichotomy  | dexter   | 12/13/2021 03:52 PM |  |
| 5712 | OsmoBSC                         | Bug     | New         | Normal   | LCLS FSM; Not possible to get out from NO_LONGER_LS  | dexter   | 10/18/2022 09:03 AM | Related to #5712   |
| 5714 | pySim                           | Bug     | Stalled     | Normal   | update_record_decoded does not use real record length when writing EF.MSISDN                     | dexter   | 09/17/2023 09:46 AM |  |
| 5759 | OsmoSGSN                        | Feature | Stalled     | Normal   | Support for Mobility between SGSN (2G/3G) and S-GW (4G)  | dexter   | 12/07/2023 12:40 PM | Related to #5759   |
| 5760 | Core testing infrastructure     | Feature | Stalled     | Normal   | Develop TTCN-3 test suite for MME  | dexter   | 10/04/2023 01:51 PM |  |
| 6015 | OsmoPCU                         | Bug     | New         | Normal   | osmo-pcu (with ericsson RBS) is unable to keep TRAU frames in sync                               | dexter   | 12/23/2023 01:12 AM |  |
| 6059 | OsmoBSC                         | Bug     | New         | Normal   | negotiate GSM-HR RTP packet format explicitly  | dexter   | 06/13/2023 10:38 AM |  |
| 6069 | Cellular Network Infrastructure | Feature | In Progress | Normal   | port hello-stk to ant-based build like mrlnc/HelloSTK2   | dexter   | 11/02/2023 12:52 PM |  |
| 6139 | OsmoSGSN                        | Feature | New         | Normal   | test mobility between GERAN (OsmoPCU) and EUTRAN (Open5GS) end to end on real hardware           | dexter   | 04/02/2024 09:38 AM |  |
| 6150 | OsmoPCU                         | Feature | New         | Normal   | PCUIF: Use unique identifiers instead of the TLLI as msg_id.                                     | dexter   | 10/24/2023 03:15 PM |  |
| 6159 | OsmoBSC                         | Bug     | New         | Normal   | use paging queue for PAGING messages that come from the BSC co-located PCU                       | dexter   | 08/30/2023 12:39 PM |  |
| 6171 | OsmoMGW                         | Feature | In Progress | Normal   | mgcp-client API: there should be a separate mgcp_codec_param for each codec in mgcp_msg.codecs[] | dexter   | 11/01/2023 04:15 PM | Related to #6171   |
| 6196 | OsmoMGW                         | Bug     | New         | Normal   | Codec negotiation failure false positives  | dexter   | 12/07/2023 06:25 AM | Related to #6293   |
| 6265 | pySim                           | Feature | New         | Normal   | decode numeric SW in case of errors  | dexter   | 12/11/2023 01:01 PM |  |
| 6270 | OsmoBTS                         | Bug     | In Progress | Normal   | osmo-bts sends version report every 5s to BSC?   | dexter   | 02/19/2024 03:06 PM |  |

| #    | Project                        | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                       |
|------|--------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 2497 | OsmoGSMTester                  | Support | Stalled     | Normal   | Set up SIM cards with auth algo other than comp128v1                                    | daniel   | 10/15/2019 11:44 AM | Related to #2475                                     |
| 2523 | OsmoMGW                        | Feature | New         | Normal   | transcoding: remove "not yet implemented" from MNCC manual once transcoding is in place | daniel   | 03/16/2018 07:54 PM |  |
| 3285 | OsmoPCU                        | Feature | New         | Normal   | design + implement tools to analyze inter-PCU cell changes                              | daniel   | 02/06/2021 11:12 AM | Related to #3284                                     |
| 4891 | osmo-gbproxy                   | Bug     | Stalled     | Normal   | gbproxy2: Implement processing of BVC-Flow-Control via BVC FSM                          | daniel   | 10/25/2021 05:51 AM | Related to #4891                                     |
| 4897 | osmo-gbproxy                   | Bug     | New         | Normal   | gbproxy2: Re-introduce handling of NS_AFF_CAUSE_FAILURE                                 | daniel   | 03/10/2021 02:49 PM | Related to #4897, Related to #4952, Related to #5040 |
| 4951 | osmo-gbproxy                   | Feature | In Progress | Normal   | more TTCN3 tests for SGSN pooling   | daniel   | 07/08/2021 08:36 PM | Related to #4951, Related to #4952                   |
| 4968 | osmo-gbproxy                   | Bug     | Feedback    | Normal   | Multiple TTCN3 tests only expect one SGSN   | daniel   | 12/09/2021 09:17 PM | Related to #4968                                     |
| 6240 | libosmo-sccp + libosmo-sigtran | Bug     | Feedback    | Normal   | libosmo-sigtran doesn't reject M3UA with "M3UA Network Appearance"                      | daniel   | 10/31/2023 02:56 PM | Related to #6241                                     |
| 6273 | Core testing infrastructure    | Bug     | Feedback    | Normal   | TTCN3 tests keep suffering from race conditions on shutdown                             | daniel   | 12/05/2023 03:29 PM |  |
| 6393 | libosmocore                    | Bug     | New         | Normal   | osmo_io conflating osmo_iofd_unregister vs osmo_iofd_close                              | daniel   | 03/07/2024 09:47 AM |  |
| 5550 | pySim                          | Bug     | New         | Normal   | EF.ARR file decoding would need to be context dependent                                 | chrysn   | 06/24/2022 08:50 AM |  |
| 5600 | SIMtrace 2                     | Feature | Feedback    | Normal   | SIMtrace2 fails to emulate EMV cards  | boggy123 | 12/14/2022 01:07 PM |  |
| 4225 | OP25                           | Support | New         | Normal   | Missing rules in cmake lists?   | 2CS350   | 10/12/2019 02:49 PM |  |
| 34   | OsmoBSC                        | Bug     | New         | Normal   | ipaccess init code needs proper state machines  |          | 12/10/2017 08:16 PM | Related to #34                                       |
| 37   | OsmoNITB                       | Bug     | New         | Normal   | RTP Proxy dealing with SSRC change and sequence numbers                                 |          | 03/05/2018 07:34 PM |  |
| 38   | OsmoNITB                       | Bug     | New         | Normal   | subscr_update should sync database before dispatching the signal                        |          | 03/05/2018 07:34 PM |  |
| 41   | OsmoMSC                        | Bug     | New         | Normal   | Numbering Plan in OsmoMSC   |          | 06/23/2018 07:37 PM |  |
| 48   | OsmoNITB                       | Bug     | New         | Normal   | Periodic timer and paging   |          | 03/05/2018 07:34 PM |  |
| 54   | OsmoNITB                       | Bug     | New         | Normal   | osmo-nitb keeps rtp-proxy socket open in case no DLCX_IND is sent                       |          | 03/05/2018 07:34 PM |  |
| 1479 | Mobile (in)Security            | Bug     | New         | Normal   | MTK stack unable to send MO-SMS on TCH/F  |          | 04/03/2019 09:01 AM |  |
| 1482 | Mobile (in)Security            | Bug     | New         | Normal   | Sending the TMSI of the old/previous network  |          | 02/21/2016 04:35 PM |  |
| 1511 | UmTRX                          | Feature | New         | Normal   | Solve Tx and Rx I/Q imbalance for wideband signals                                      |          | 02/19/2016 10:52 PM |  |
| 1515 | UmTRX                          | Feature | New         | Normal   | Heat dissipation and mounting issue   |          | 02/19/2016 10:52 PM |  |



| #    | Project  | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|----------|---------|---------|----------|--|----------|---------------------|--|
| 1516 | UmTRX    | Feature | New     | Normal   | There are no port to control external equipment like PA      |          | 02/19/2016 10:52 PM |  |
| 1517 | UmTRX    | Feature | New     | Normal   | U_FL (UMC) connectors are not reliable after few connections |          | 02/19/2016 10:52 PM |  |
| 1518 | UmTRX    | Feature | New     | Normal   | Upper limit of the clock is too low                          |          | 02/19/2016 10:52 PM |  |
| 1543 | OsmoPCU  | Feature | New     | Normal   | link/rate adaption as per spec                               |          | 01/08/2020 10:43 PM | Related to #1543,Related to #1543  |
| 1547 | OsmoPCU  | Feature | New     | Normal   | downlink power control on PDTCH                              |          | 02/23/2016 03:04 PM |  |
| 1549 | OsmoPCU  | Feature | New     | Normal   | DRX support for GPRS   |          | 02/04/2017 08:11 AM | Related to #1942   |
| 1550 | OsmoPCU  | Bug     | New     | Normal   | Cell reselection under network control                       |          | 02/23/2016 03:06 PM |  |
| 1554 | OsmoPCU  | Feature | New     | Normal   | per-MS BSSGP flow control                                    |          | 02/23/2016 03:12 PM | Related to #1554   |
| 1577 | OsmoBTS  | Bug     | New     | Normal   | mph_send_config_logchpar doesn't update encryption config    |          | 02/23/2016 03:39 PM |  |
| 1583 | OsmoSGSN | Feature | New     | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR              |          | 06/13/2020 05:52 PM | Related to #1583,Related to #1583,Related to #4485                                   |
| 1586 | OsmoSGSN | Feature | New     | Normal   | Implement QoS profile support                                |          | 02/23/2016 03:45 PM |  |
| 1587 | OsmoSGSN | Feature | Stalled | Normal   | SMS over GPRS support  |          | 11/25/2018 08:14 PM | Related to #3587   |
| 1588 | OsmoSGSN | Feature | New     | Normal   | Inter-RAT hand-over  |          | 02/23/2016 03:46 PM |  |
| 1599 | OsmoMSC  | Feature | New     | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR              |          | 06/13/2020 05:52 PM | Related to #1583,Related to #1747,Related to #1599,Related to #4485                  |
| 1614 | OsmoBSC  | Bug     | Stalled | Normal   | better identification of BTS model / capabilities to BSC     |          | 05/12/2020 12:11 PM | Related to #1614,Related to #2316,Related to #2317,Related to #3799,Related to #3938 |

...