

## 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 |   |
| 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 |   |
| 5574 | OsmoBSCNAT                                     | Bug     | New         | Urgent    | OsmoBSCNAT testsuite running in jenkins   | Hoernchen | 10/06/2022 11:46 AM | Related to #5574  |
| 5106 | OsmoBSC  | Feature | Feedback    | Urgent    | Watchdog that would try to un-BORKE BORKen timeslots  | keith     | 02/07/2023 06:25 PM | Related to #5106,Related to #5785,Related to #5786,Related to #5106 |
| 5559 | OsmoMSC  | Bug     | Stalled     | Urgent    | OsmoMSC at 100% CPU and unresponsive for up to several minutes!   | laforge   | 08/04/2022 08:14 AM | Related to #5563  |
| 5481 | Open Source IMS Client                         | Feature | New         | Urgent    | SIM card interface for doubango   | laforge   | 03/25/2022 11:00 AM | Related to #5482  |
| 5861 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | In Progress | Urgent    | extend charon with external authentication interface  | lynxis    | 02/07/2024 04:00 PM | Related to #5868  |
| 6096 | OsmoGGSN (former OpenGGSN)                     | Feature | In Progress | Urgent    | add support for kernel-GTP IPv6   | osmith    | 03/25/2024 12:10 PM | Related to #6096,Related to #6106,Related to #6096,Blocks #6096     |
| 5396 | OsmocomDECT                                    | Bug     | New         | High      | TcpDump/WireShark will not build with libpcap(dect)   |           | 01/09/2022 12:57 PM |   |
| 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 |   |
| 1480 | Mobile (in)Security                            | Bug     | New         | High      | A5/3 is not deployed in GSM networks  |           | 02/21/2016 04:34 PM |   |
| 2160 | OP25   | Feature | New         | High      | Add "datascope" to usrp_p25_rx.py   |           | 04/22/2017 04:16 PM |   |
| 2166 | OP25   | Feature | New         | High      | Add support for Max's I/Q 455khz downconverter  |           | 04/22/2017 04:15 PM |   |
| 6337 | OsmocomBB                                      | Bug     | New         | High      | bad fr audio with gapk/ms-sdr   |           | 01/22/2024 09:21 PM | Related to #6337  |
| 3734 | gr-osmosdr                                     | Bug     | New         | High      | Cannot compile gr-osmocom   |           | 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                  |
| 2824 | gr-osmosdr                                     | Bug     | New         | High      | Corrupted double-linked for Raspbian Stretch when running osmocom_fft (and any other program using osmosdr.source |           | 06/03/2018 12:08 PM |   |
| 2158 | OP25   | Feature | New         | High      | Create a shared library for decoding for WireShark and the decoder.   |           | 04/22/2017 04:16 PM |   |
| 1560 | OsmoPCU  | Feature | New         | High      | EDGE benchmarking / performance optimization / tuning   |           | 01/08/2020 10:31 PM |   |

| #    | Project             | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------|---------|-------------|----------|--|----------|---------------------|--|
| 2169 | OP25                | Bug     | New         | High     | First-cut of trunking support  |          | 04/22/2017 04:15 PM |  |
| 2157 | OP25                | Feature | New         | High     | Fix "traffic" tab so it displays data for non-HDU data units   |          | 04/22/2017 04:16 PM |  |
| 2162 | OP25                | Bug     | New         | High     | Fix bit-ordering in output for VC55.   |          | 04/22/2017 04:15 PM |  |
| 1925 | OsmoPCU             | Bug     | New         | High     | Fix padding for MCS8 transition  |          | 01/08/2020 10:31 PM |  |
| 4312 | OsmoHLR             | Bug     | New         | High     | GSUP keepalives / connection loss detection  |          | 10/12/2020 02:42 PM |  |
| 2172 | OP25                | Bug     | New         | High     | HDU often missing in captures  |          | 04/22/2017 04:14 PM |  |
| 2167 | OP25                | Feature | New         | High     | Implement Encryption/Decryption P25 blocks   |          | 04/22/2017 04:15 PM |  |
| 2156 | OP25                | Feature | New         | High     | Implement forward error correction for HDU.  |          | 04/22/2017 04:16 PM |  |
| 2168 | OP25                | Bug     | New         | High     | Implement Forward error correction for LDU1/2  |          | 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 |  |
| 4222 | OsmoSGSN            | Bug     | New         | High     | Implement PS Paging for the Routing Areas  |          | 10/03/2020 02:20 PM | Related to #4222                                   |
| 1478 | Mobile (in)Security | Bug     | New         | High     | IMSI DETACH DoS  |          | 09/02/2019 09:00 AM |  |
| 5731 | gr-osmosdr          | Bug     | New         | High     | Install gr-osmosdr on Ubuntu 20.04   |          | 10/27/2022 01:39 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 |  |
| 1766 | OsmoPCU             | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS  |          | 01/22/2020 02:06 PM | Related to #1766,Related to #1766                  |
| 5349 | OsmoSGSN            | Bug     | In Progress | High     | Message for non-existing SNDTCP Entity   |          | 07/17/2023 04:42 PM |  |
| 1505 | UmTRX               | Bug     | New         | High     | OHM4 footprint incorrect   |          | 02/19/2016 10:52 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     |
| 2622 | OsmoBSC             | Support | Stalled     | High     | Prepare automatic interop testing of OmsoBSC against NG40 core simulator + osmo-bts-virtual + mobile |          | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555 |
| 5425 | gr-osmosdr          | Bug     | New         | High     | Problem receiving samples using dual receivers with BladeRF  |          | 01/29/2022 04:22 AM |  |
| 1477 | Mobile (in)Security | Bug     | New         | High     | RACH flood DoS   |          | 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                  |
| 2173 | OP25                | Feature | New         | High     | Remove dependency on ET++  |          | 04/22/2017 04:14 PM |  |
| 2155 | OP25                | Feature | New         | High     | Replace FSK4 demodulation with IQ demodulator stage.   |          | 04/22/2017 04:16 PM |  |
| 5392 | OsmocomDECT         | Bug     | New         | High     | Sliding collision errors   |          | 01/09/2022 12:44 PM |  |
| 5256 | OsmoBTS             | Feature | New         | High     | support for random padding in LAPDm downlink messages  |          | 10/12/2021 11:17 AM | Related to #5256                                   |

| #    | Project             | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------|---------|---------|----------|---|----------|---------------------|---|
| 5257 | OsmoBTS             | Bug     | New     | High     | support random padding in SACCH downlink messages                               |          | 10/12/2021 11:18 AM | Related to #5257  |
| 4308 | Distributed GSM     | Support | New     | High     | thoughts about incorporating credit / billing in D-GSM                          |          | 12/04/2019 04:08 PM |   |
| 5393 | OsmocomDECT         | Bug     | New     | High     | tipc problems while building on Ubuntu  |          | 01/09/2022 12:48 PM |   |
| 2175 | OP25                | Feature | New     | High     | Update code for GNURadio 3.6 and later  |          | 04/22/2017 04:14 PM |   |
| 2171 | OP25                | Feature | New     | High     | Use libfftw3 for IFFT/FFT functions.  |          | 04/22/2017 04:14 PM |   |
| 1483 | Mobile (in)Security | Bug     | New     | High     | USSD state is not reset when switching cells                                    |          | 02/21/2016 04:34 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   |
| 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   | 04/19/2024 07:39 PM | Related to #6294  |
| 5571 | Ericsson RBS 6xxx   | Bug     | New     | High     | DUG can come up, but with Avail: "Power Off"                                    | dexter   | 11/08/2022 05:10 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   |
| 2409 | OsmocomBB           | Feature | Stalled | High     | Add GPRS support to virt_phy and L1CTL  | fixeria  | 08/19/2022 03:06 PM |   |
| 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 |   |
| 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   |
| 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 |   |
| 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  |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues                                     |
|------|--|---------|-------------|----------|--|-----------|---------------------|--|
| 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                  |
| 5516 | OsmoTRX  | Feature | In Progress | High     | BladeRF 2.0 Support  | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430                              |
| 5057 | OsmoMSC  | Bug     | New         | High     | Can only send a maximum of 15 SMPP messages?   | Hoernchen | 09/15/2021 09:53 AM |  |
| 4781 | osmo-qcdiag  | Bug     | New         | High     | get hoernchen/gsmtap branch merged   | Hoernchen | 10/06/2020 03:18 PM |  |
| 4622 | OsmoTRX  | Bug     | New         | High     | Lots of "dumping STALE burst in TRX->SDR interface" messages in osmo-trx after osmo-bts-trx proper restart | Hoernchen | 07/06/2020 11:57 AM |  |
| 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                      |
| 5144 | gr-osmosdr   | Bug     | New         | High     | Support multiple Airspy devices  | horiz0n   | 10/21/2023 07:22 PM |  |
| 1510 | UmTRX  | Feature | New         | High     | Complete UHD integration   | ipse      | 02/21/2016 04:47 PM |  |
| 1508 | UmTRX  | Feature | New         | High     | Implement UmSEL diversity switch control   | ipse      | 02/21/2016 04:47 PM |  |
| 1507 | UmTRX  | Feature | New         | High     | Implement UmSEL tuner control  | ipse      | 02/21/2016 04:47 PM |  |
| 5755 | OsmoBSC  | Feature | In Progress | High     | io_uring support in osmo-bsc   | jolly     | 03/02/2024 08:06 PM | Related to #5755,Related to #6357                  |
| 6436 | OsmoPCU  | Bug     | New         | High     | high cpu usage, entire BTS unresponsive after some hours   | keith     | 04/13/2024 04:32 PM |  |
| 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 |
| 5419 | SIMtrace 2   | Bug     | Stalled     | High     | cardem errors with higher baud rate  | laforge   | 11/07/2022 06:22 PM |  |
| 3568 | OsmoBTS  | Bug     | Stalled     | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo   | laforge   | 01/14/2019 03:29 PM |  |
| 3379 | SIMtrace 2   | Bug     | Stalled     | High     | documentation on how to use SIMtrace2  | laforge   | 11/14/2022 05:31 PM | Related to #3379                                   |
| 6169 | osmo-e1d   | Bug     | New         | High     | Frame masking against network frame ordering, not frame numbers  | laforge   | 10/18/2023 03:19 PM |  |
| 2604 | Cellular Network Infrastructure                        | Feature | Stalled     | High     | GSUP-to-DIAMETER converter / IWF   | laforge   | 02/29/2020 11:27 AM | Related to #5646                                   |
| 5480 | Open Source IMS Client                                 | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango   | laforge   | 03/25/2022 10:44 AM |  |
| 6290 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | In Progress | High     | Organize OsmoDevCon 2024   | laforge   | 03/06/2024 12:06 PM |  |
| 4829 | OsmocomBB  | Bug     | Stalled     | High     | OsmocomBB Rx bit errors in dedicated mode  | laforge   | 02/06/2021 09:11 AM | Related to #4832                                   |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|--|---------|-------------|----------|---|----------|---------------------|---|
| 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                  |
| 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                                   |
| 3977 | OsmoCBC  | Feature | New         | High     | SABP stream delineation routines  | laforge  | 09/23/2019 04:49 AM | Related to #3979,Related to #4944                                   |
| 5921 | SIMtrace 2                                     | Bug     | In Progress | High     | simtrace2 cardem vs. Linux kernel USB autosuspend   | laforge  | 09/16/2023 10:47 PM | Related to #5921  |
| 4578 | Cellular Network Infrastructure                | Bug     | New         | High     | Updated slides / presentations / videos on setting up Osmocom CNI                                   | laforge  | 02/13/2021 05:35 PM |   |
| 4916 | osmo-e1d                                       | Bug     | Stalled     | High     | USB unplug / replug renders e1d unusable  | laforge  | 12/04/2023 12:34 PM | Related to #5983  |
| 5527 | osmo-remsim                                    | Bug     | Stalled     | High     | warn on duplicate client (id) connections   | laforge  | 07/13/2022 01:25 PM | Related to #5527  |
| 4605 | OsmoSGSN                                       | Bug     | New         | High     | GMM_ATTACH_REQ_FSM: Event E_AUTH_RESP_RECV_SUCCESS not permitted                                    | lynxis   | 06/13/2020 06:16 PM | Related to #4605  |
| 2955 | OsmoSGSN                                       | Bug     | New         | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error   | lynxis   | 09/10/2019 07:39 PM |   |
| 6091 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | High     | osmo-epdg: Implement CEAL interface (GSUP) ePDG <> strongswan                                       | lynxis   | 03/14/2024 04:36 PM |   |
| 5880 | OsmoSGSN                                       | Bug     | In Progress | High     | User Manual sections 11.1.1-2 document non-existing (removed?) VTY commands                         | lynxis   | 03/28/2023 02:45 PM |   |
| 4830 | OsmoMSC  | Bug     | In Progress | High     | LU reject when no authentication data in HLR but "authentication optional"                          | neels    | 10/10/2022 02:03 PM |   |
| 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                                   |
| 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 |   |
| 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 |   |
| 4940 | OsmoBSC  | Feature | Stalled     | High     | VAMOS support in OsmoBSC  | neels    | 08/11/2021 02:47 PM | Related to #4941  |

| #    | 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   | 04/19/2024 12:36 PM | 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   |
| 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  |
| 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   |
| 1474 | SDR (Software Defined Radio)    | Bug     | New         | High     | USB Claim Interface Error   | steve-m  | 02/20/2016 08:23 PM |  |
| 1458 | OsmocomBB                       | Bug     | New         | High     | AGC broken (strong cell cannot be synced)   | tnt      | 07/18/2019 06:10 AM | Related to #3582   |
| 4653 | SDR (Software Defined Radio)    | Bug     | New         | Normal   | cannot import name 'fosphor'  |          | 07/07/2020 02:39 AM |  |
| 4961 | osmo-gbproxy                    | Feature | New         | Normal   | gbproxy support for "network sharing" via MOCN  |          | 01/20/2021 08:38 PM |  |
| 5483 | Open Source IMS Client          | Feature | New         | Normal   | SIM card interface for strongswan   |          | 03/07/2022 03:19 PM |  |
| 5395 | OsmocomDECT                     | Feature | New         | Normal   | Support for LMX3161   |          | 01/09/2022 12:55 PM |  |
| 4265 | libosmocore                     | Bug     | New         | Normal   | --enable-embedded doesn't work as expected  |          | 11/12/2019 11:18 AM |  |
| 6382 | Linux Kernel GTP-U              | Bug     | Feedback    | Normal   | "TC_pdp6_act_deact_gtpu_access" fails with kernel gtp-u                                     |          | 03/05/2024 04:06 PM |  |
| 5202 | OsmocomBB                       | Bug     | New         | Normal   | [Assert failed rc >= 0 l1ctl.c:83] cell_log crashes (mostly) when monitoring specific ARFCN |          | 07/25/2021 01:38 PM |  |
| 4153 | OsmoMGW                         | Bug     | New         | Normal   | 3G voice broken with ALu 9361 femto   |          | 04/25/2022 05:43 PM |  |
| 2851 | OsmoMSC                         | Bug     | Stalled     | Normal   | a_iface.c:534 Unhandled SIGTRAN primitive: 3:2  |          | 07/18/2019 05:45 AM |  |
| 2615 | OsmoGSMTester                   | Bug     | New         | Normal   | Add API to check GPS lock in BTS  |          | 11/03/2017 05:00 PM |  |
| 1624 | OsmoPCU                         | Bug     | New         | Normal   | add CRBB support to write_packet_ack_nack_desc_egprs  |          | 10/20/2020 08:37 AM |  |
| 5323 | Core testing infrastructure     | Feature | New         | Normal   | Add docker image containing titan.core master   |          | 12/15/2021 04:43 PM | Related to #6187   |
| 6398 | pySim                           | Bug     | New         | Normal   | Add helper for SwMatchError   |          | 03/09/2024 09:34 PM |  |
| 4579 | OsmoBTS                         | Bug     | New         | Normal   | add IPv6 support  |          | 02/12/2021 12:26 PM |  |

| #    | Project                | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|------------------------|---------|---------|----------|---|----------|---------------------|-----------------------------------|
| 5662 | OsmoUPF                | Feature | New     | Normal   | add Linux kernel options to manual  |          | 08/24/2022 03:13 PM |                                   |
| 3038 | multi-voltage USB UART | Feature | New     | Normal   | Add mounting holes?   |          | 03/07/2018 02:12 AM |                                   |
| 2707 | OsmoGSMTester          | Feature | New     | Normal   | Add support for verifying content of log files after test is run  |          | 12/04/2017 05:05 PM |                                   |
| 2399 | OsmoGSMTester          | Feature | New     | Normal   | add tests for graceful restart of individual components   |          | 07/25/2017 12:02 AM |                                   |
| 4541 | OsmoBSC                | Feature | New     | Normal   | add ttcn3 tests for situations of Abis latency spikes, where chan act/deact ACK messages arrive late  |          | 11/20/2023 05:03 PM | Related to #4541,Related to #6375 |
| 1983 | rtl-sdr                | Support | New     | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list  |          | 06/03/2018 12:24 PM |                                   |
| 4174 | osmo-fl2k              | Bug     | New     | Normal   | After the latest commits, the fl2k tools do not exit on first SIGINT  |          | 08/25/2019 04:57 PM |                                   |
| 1857 | OsmoBSC                | Feature | New     | Normal   | aggregate and report OML ALERT messages received from BTSs  |          | 12/10/2017 08:16 PM | Related to #1615,Related to #1605 |
| 6000 | OsmoMSC                | Feature | New     | Normal   | Allow emergency calls without IMSI (using IMEI as MI)   |          | 04/12/2023 11:03 AM | Related to #6000                  |
| 2798 | linmodem               | Feature | New     | Normal   | ALSA Soundcard Support  |          | 01/01/2018 12:02 PM |                                   |
| 4455 | OP25                   | Feature | New     | Normal   | AMBE CODEC  |          | 03/28/2020 09:53 PM |                                   |
| 5726 | OsmoMGW                | Bug     | New     | Normal   | AMR octet-align in SDP: lack of 'octet-align' fmp should imply octet-align=0, and the presence or absence of this fmp should not have an effect |          | 12/12/2023 01:51 AM | Is duplicate of #5726             |
| 4985 | OsmoBTS                | Bug     | New     | Normal   | AMR RTP CMR of downlink frames not used to influence CMC  |          | 01/28/2021 01:35 PM |                                   |
| 4479 | IMSI Pseudonymization  | Feature | New     | Normal   | Applet: change IMSI after receiving SMS   |          | 04/16/2020 08:45 AM |                                   |
| 4486 | IMSI Pseudonymization  | Feature | New     | Normal   | Applet: gracefully handle case where timer is set twice   |          | 04/16/2020 08:45 AM |                                   |
| 4417 | IMSI Pseudonymization  | Bug     | New     | Normal   | Applet: LU counter should only increase on successful location update   |          | 04/16/2020 08:45 AM | Related to #4478                  |
| 4478 | IMSI Pseudonymization  | Feature | New     | Normal   | Applet: proper warning after too many LU with same IMSI   |          | 04/16/2020 08:45 AM | Related to #4478                  |
| 4480 | IMSI Pseudonymization  | Bug     | New     | Normal   | Applet/OsmoMSC: fix or workaround for OsmoMSC only paging attached MS   |          | 04/16/2020 08:45 AM | Related to #4480                  |
| 3458 | OsmocomBB SDR PHY      | Bug     | Stalled | Normal   | apps/grgsm_trx: [ERROR] [STREAMER] rcv packet demuxer unexpected sid 0xXX   |          | 07/09/2023 07:48 PM | Related to #3692                  |
| 3459 | OsmocomBB SDR PHY      | Bug     | Stalled | Normal   | apps/grgsm_trx: AssertionError: packe t_info.packet_count == (seq_to_ack & 0xffff)  |          | 07/09/2023 07:48 PM |                                   |
| 4274 | OsmoSTP                | Bug     | New     | Normal   | AS Name isn't displayed   |          | 03/14/2024 10:33 AM |                                   |
| 2916 | OsmoMSC                | Bug     | New     | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph  |          | 02/09/2018 04:20 PM |                                   |
| 2690 | OsmocomBB              | Bug     | New     | Normal   | ASAN issue on shutdown/no shutdown SYSINFO access   |          | 11/29/2017 09:33 AM |                                   |

| #    | Project                               | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|---------|----------|---|----------|---------------------|--|
| 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 |
| 5515 | OsmoBSC                               | Bug     | New     | Normal   | BSC_Tests: re-establishment: RA during CHAN RQD should reflect re-establishment |          | 04/06/2022 08:02 PM |  |
| 4930 | OsmoBSC                               | Bug     | New     | Normal   | bsc: cbc: vty: "no remote-ip" in cbc > client                                   |          | 12/31/2020 10:42 PM |  |
| 5843 | OsmoBSC                               | Bug     | New     | Normal   | BTS features aren't reset after oml drop  |          | 12/22/2022 09:27 PM |  |
| 3776 | OP25                                  | Bug     | New     | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS                           |          | 07/05/2019 07:12 PM |  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | build frame relay "hub" similar to ISDN "hub"                                   |          | 04/24/2022 03:03 PM |  |
| 2809 | Z-Netz                                | Bug     | New     | Normal   | Build ZConnect <-> UseNet gateway   |          | 01/01/2018 01:33 PM |  |
| 1916 | OsmocomBB                             | Bug     | New     | Normal   | building GNU ARM toolchain with gcc-4.8 fails on modern texinfo                 |          | 10/16/2017 02:14 PM |  |
| 5305 | OsmocomBB                             | Bug     | New     | Normal   | Burst capture   |          | 11/10/2021 06:38 PM |  |
| 3663 | gr-osmosdr                            | Bug     | New     | Normal   | Can't compile gr-osmosdr on macOS Mojave  |          | 10/19/2018 02:37 PM |  |
| 4685 | SDR (Software Defined Radio)          | Bug     | New     | Normal   | Can't compile libusrp   |          | 08/04/2020 08:52 AM |  |
| 4325 | gr-osmosdr                            | Bug     | New     | Normal   | can't open hackrf_sink with device index  |          | 12/13/2019 09:18 AM |  |
| 6372 | OsmocomBB SDR PHY                     | Bug     | New     | Normal   | Cant connect to BS using cell_log and mobile                                    |          | 02/22/2024 07:13 AM |  |
| 1813 | Qualcomm Linux Modems by Quectel & Co | Bug     | New     | Normal   | cat /dev/snd/* causes kernel oops   |          | 09/30/2016 04:00 PM |  |
| 5721 | OsmoCBC                               | Feature | New     | Normal   | CBC messages Geographical Scope and CBS Index                                   |          | 10/19/2022 07:23 AM |  |
| 4196 | OsmoMSC                               | Feature | New     | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE            |          | 09/25/2019 05:27 PM |  |
| 1550 | OsmoPCU                               | Bug     | New     | Normal   | Cell reselection under network control  |          | 02/23/2016 03:06 PM |  |
| 5647 | OsmoHNBGW                             | Feature | New     | Normal   | cfg: separate PFCP Node ID from PFCP local address                              |          | 08/17/2022 03:38 PM | Related to #5648,Related to #5682  |
| 4846 | OsmoPCU                               | Feature | New     | Normal   | change RBB received block bitmap into 1s when everything was acked              |          | 11/04/2020 02:29 AM |  |
| 4009 | OsmoBTS                               | Bug     | New     | Normal   | Channel Activation starts SACCH too early in Synchronous Handover               |          | 03/11/2022 12:44 PM | Related to #4009,Related to #4010,Related to #4009                                   |
| 6328 | OsmoBSC                               | Bug     | New     | Normal   | Channel Mode Modify fails to modify the RTP payload type number                 |          | 01/12/2024 06:24 AM | Related to #6328   |



| #    | Project                                      | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|--|----------|---------------------|------------------|
| 5851 | OsmoSGSN                                     | Bug     | New    | Normal   | check if rate ctr GMM_CTR_PKTS_UDATA_IN is correct increased in sgsn_gtp_data_req() func |          | 01/10/2023 06:40 PM |                  |
| 5644 | Osmocom Libraries                            | Bug     | New    | Normal   | Check library pkg-config files for proper dependencies                                   |          | 08/10/2022 01:02 PM | Related to #5644 |
| 2504 | OsmoGSMTester                                | Support | New    | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester           |          | 04/06/2020 11:28 AM |                  |
| 3738 | OsmoMSC                                      | Feature | New    | Normal   | Clarify PS-part of struct vlr_subscr   |          | 12/19/2018 12:34 PM |                  |
| 4554 | OsmoMGW                                      | Bug     | New    | Normal   | Clean up stale endpoints after OsmoBSC crash   |          | 05/16/2020 08:52 PM |                  |
| 3980 | OsmoMGW                                      | Bug     | New    | Normal   | Clear Command before CRCX OK may leak MGW endpoint                                       |          | 05/06/2019 10:11 PM |                  |
| 4484 | gr-osmosdr                                   | Bug     | New    | Normal   | CMakeFiles.txt   |          | 04/06/2020 05:19 PM |                  |
| 6283 | OsmoHNBGW                                    | Bug     | New    | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages     |          | 12/04/2023 01:48 AM |                  |
| 5218 | gr-osmosdr                                   | Bug     | New    | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"              |          | 09/05/2021 10:58 PM |                  |
| 4581 | OsmocomBB                                    | Support | New    | Normal   | compiler error assert.h no such file   |          | 06/05/2020 09:54 AM |                  |
| 4359 | gr-osmosdr                                   | Bug     | New    | Normal   | Compiling from Git Bramcj gr3.8 fails  |          | 01/12/2020 05:08 PM |                  |
| 4885 | libosmocore                                  | Bug     | New    | Normal   | configure doesn't check for python3  |          | 12/02/2020 03:36 AM |                  |
| 5462 | osmo-sip-connector                           | Bug     | New    | Normal   | Contact Header Missing - Way Forward?  |          | 02/21/2022 05:51 AM |                  |
| 5543 | Retronetworking                              | Feature | New    | Normal   | Contact manufacturers for leftover stock   |          | 06/27/2023 09:05 PM |                  |
| 3931 | OsmoGSMTester                                | Support | New    | Normal   | Contact quectel to get info about modem updates (hopefully less crashes)                 |          | 01/08/2020 10:56 PM | Related to #3931 |
| 5750 | Cellular Network Infrastructure              | Bug     | New    | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef                               |          | 11/08/2022 08:07 PM |                  |
| 4336 | OsmoMSC                                      | Feature | New    | Normal   | Convert vlr_lu_fsm.c to use osmo_tdef (and drop vlr_timer())                             |          | 01/02/2020 05:32 PM | Related to #4337 |
| 5446 | Cellular Network Infrastructure              | Feature | New    | Normal   | correlate git version to ttcn3 tests   |          | 02/07/2022 09:40 PM | Related to #5446 |
| 4599 | OsmoSGSN                                     | Bug     | New    | Normal   | counter group sgsn:pdpcx already exists for index X, instead using Y                     |          | 09/09/2020 10:05 AM | Related to #4604 |
| 6417 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | CRC4 configuration   |          | 03/22/2024 09:02 PM |                  |
| 2814 | Z-Netz                                       | Feature | New    | Normal   | Create + Document classic CrossPoint setup on DOS (dosemu)                               |          | 01/01/2018 01:41 PM |                  |
| 2813 | Z-Netz                                       | Feature | New    | Normal   | Create + Document OpenXP setup on Linux  |          | 01/01/2018 01:41 PM |                  |
| 2808 | Z-Netz                                       | Bug     | New    | Normal   | Create + Document VM/emulation setup for running ZERBERUS                                |          | 01/01/2018 01:09 PM |                  |
| 2697 | osmo-qcdiag                                  | Feature | New    | Normal   | Create and add debian packages for osmo-qcdiag to osmocom debian repositories            |          | 11/30/2017 06:03 PM |                  |
| 5484 | Open Source IMS Client                       | Feature | New    | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)                            |          | 03/07/2022 11:19 AM |                  |

| #    | Project                                      | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 5735 | osmo-e1d                                     | Bug     | New         | Normal   | ctl client disconnect doesn't re-set timeslot state  |          | 05/23/2023 06:19 AM |                                   |
| 2688 | libosmocore                                  | Bug     | New         | Normal   | CTRL iface: make rate_ctr request parser more strict   |          | 03/24/2021 12:37 PM | Related to #4443                  |
| 4443 | libosmocore                                  | Bug     | New         | Normal   | CTRL interface blocks wildcard in rate_ctr   |          | 03/08/2020 01:06 PM | Related to #4443,Related to #4443 |
| 6434 | E1/T1 Hardware Interface (including icE1usb) | Support | New         | Normal   | D-channel do not recover after underrun  |          | 04/07/2024 09:07 AM |                                   |
| 4376 | Cellular Network Infrastructure              | Feature | New         | Normal   | Define distinct X timer numbers across all osmo programs   |          | 01/23/2020 09:21 PM |                                   |
| 5762 | Core testing infrastructure                  | Feature | New         | Normal   | Develop TTCN-3 test suite for PGW  |          | 11/10/2022 06:38 PM |                                   |
| 5761 | Core testing infrastructure                  | Feature | New         | Normal   | Develop TTCN-3 test suite for SGW  |          | 11/09/2022 09:49 PM |                                   |
| 6129 | Miscellaneous Projects                       | Bug     | New         | Normal   | Discourse: Setting a custom avatar via upload fails  |          | 08/02/2023 06:07 PM |                                   |
| 6281 | OCTOI - Osmocom Community TDM over IP        | Bug     | New         | Normal   | divf yate: calls to wave playback or loopback never connect  |          | 12/04/2023 12:14 PM | Related to #6282                  |
| 6433 | OsmoHNBGW                                    | Bug     | New         | Normal   | DLGLOBAL ERROR counter group 'hnb' already exists for index 0, instead using index 1. This is a software bug that needs fixing. (rate_ctr.c:221) |          | 04/04/2024 11:11 PM |                                   |
| 4427 | rtl-sdr                                      | Bug     | New         | Normal   | docker + rtl_sdr issue   |          | 02/29/2020 01:16 PM |                                   |
| 4415 | OsmoGGSN (former OpenGGSN)                   | Feature | New         | Normal   | Document in OsmoGGSN User Manual the IPv6 allocation process over GTP  |          | 02/25/2020 03:05 PM |                                   |
| 1881 | OsmoSGSN                                     | Bug     | In Progress | Normal   | don't send PDP CTX DEACT ACK to MS when destroying PDP ctx indepent from MS requests   |          | 01/08/2020 10:49 PM |                                   |
| 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                  |
| 4551 | OsmoMGW                                      | Feature | New         | Normal   | Dynamic/runtime allocation of new endpoints  |          | 05/14/2020 10:56 PM |                                   |
| 4457 | libosmo-sccp + libosmo-sigtran               | Bug     | New         | Normal   | editing the SCCP address book (global-title) on a running instance may crash the application   |          | 03/17/2020 11:17 PM |                                   |
| 1716 | libosmocore                                  | Feature | New         | Normal   | enhance unit test coverage   |          | 08/17/2016 03:57 PM | Related to #1987,Precedes #1717   |
| 3751 | OsmoBTS                                      | Support | New         | Normal   | Ensure BTS Tests.ttcn results of OC-2G resemble what we know/expect from osmo-bts-{sysmo,trx}  |          | 12/01/2019 10:52 AM |                                   |
| 5586 | OsmoBSC                                      | Feature | New         | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart   |          | 06/21/2022 10:23 PM | Related to #5983                  |
| 5117 | OsmoSDR                                      | Bug     | New         | Normal   | Error building gr-osmosdr with libhackrf   |          | 04/15/2021 07:56 AM |                                   |
| 3588 | rtl-sdr                                      | Bug     | New         | Normal   | Error Values Inconsistent  |          | 09/25/2018 12:47 PM |                                   |

| #    | Project                                     | Tracker | Status   | Priority | Subject  | Assignee | Updated             | Related issues                            |
|------|---|---------|----------|----------|--|----------|---------------------|---|
| 4908 | libosmocore                                 | Bug     | New      | Normal   | Errors compiling with -std=c++14   |          | 03/01/2021 03:38 PM |   |
| 2943 | OsmoMSC                                     | Bug     | New      | Normal   | Errors in MGCP do not propagate back to MNCC<br>gsm_subscriber_conn state machine    |          | 09/04/2019 09:21 AM |   |
| 3797 | rtl-sdr                                     | Bug     | New      | Normal   | Exits with "Bus error"   |          | 02/12/2019 02:28 PM |   |
| 3687 | OsmoMSC                                     | Feature | New      | Normal   | Expand "show bsc" command  |          | 11/11/2018 09:50 PM |   |
| 4591 | libosmocore                                 | Feature | New      | Normal   | Export FSM states and statistics with counters                                       |          | 03/24/2021 12:34 PM |   |
| 4590 | libosmocore                                 | Feature | New      | Normal   | Export talloc data as counters for better memory leakage monitoring<br>in production |          | 09/12/2022 03:53 PM |   |
| 3240 | gr-osmosdr                                  | Bug     | New      | Normal   | Expose airspy gain setting in gr-osmosdr block                                       |          | 06/03/2018 12:08 PM |   |
| 3653 | OsmocomBB                                   | Bug     | New      | Normal   | FACCH/H sometimes not received by BTS with<br>osmocomBB+motorolaCXX                  |          | 10/22/2018 02:37 PM | Related to #5518                          |
| 6239 | libosmo-sccp +<br>libosmo-sigtran           | Feature | New      | Normal   | finally deprecate libosmo-sccp (headers, static lib)                                 |          | 10/31/2023 07:31 PM |   |
| 3442 | OsmoMGW                                     | Bug     | New      | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c  |          | 09/04/2019 09:26 AM |   |
| 4847 | OsmoPCU                                     | Bug     | New      | Normal   | fix LLC-DISCARD behaviour  |          | 11/04/2020 02:37 AM | Related to #4847                          |
| 1829 | OsmoNITB                                    | Bug     | New      | Normal   | Fix warnings introduced by ctrl constify   |          | 03/05/2018 07:34 PM |   |
| 4677 | SDR (Software Defined<br>Radio)             | Bug     | New      | Normal   | fopher crash on OSX with Qt  |          | 07/27/2020 03:27 AM |   |
| 4432 | OsmoMGW                                     | Bug     | New      | Normal   | for 'domain ', mgw should echo the domain of the MGCP client                         |          | 03/04/2020 12:39 AM |   |
| 5433 | OCTOI - Osmocom<br>Community TDM over<br>IP | Bug     | New      | Normal   | forwarding of TS0 / Alarms   |          | 01/30/2022 11:02 AM |   |
| 1942 | OsmoSGSN                                    | Bug     | Feedback | Normal   | Gb: implement paging in case of MM state == STANDBY && rx DL<br>PDU                  |          | 01/08/2020 10:48 PM | Related to<br>#1942,Related to<br>#4222   |
| 4746 | libosmocore                                 | Bug     | New      | Normal   | gb: NS2: implement a NSE based logfilter   |          | 11/14/2020 08:42 AM |   |
| 5764 | Cellular Network<br>Infrastructure          | Bug     | New      | Normal   | GCC does not check format strings in LOGPFM macros                                   |          | 11/11/2022 06:30 AM |   |
| 1987 | libosmocore                                 | Feature | New      | Normal   | gcov code coverage test support  |          | 12/01/2019 01:42 PM | Related to #1987,Is<br>duplicate of #1987 |
| 1904 | OsmoNITB                                    | Bug     | New      | Normal   | get rid of deprecated functions  |          | 03/05/2018 07:33 PM |   |
| 3604 | OsmoSTP                                     | Feature | New      | Normal   | Global Title Routing   |          | 07/18/2019 05:15 AM |   |
| 3605 | OsmoSTP                                     | Feature | New      | Normal   | Global Title Translation   |          | 07/18/2019 05:15 AM |   |
| 2621 | OsmoGSMTester                               | Bug     | New      | Normal   | Gobi2000: might stopped working because all CID got assigned                         |          | 01/08/2020 10:40 PM |   |
| 3284 | OsmoPCU                                     | Bug     | New      | Normal   | GPRS cell re-selection appears sticky in packet transfer / packet idle<br>mode       |          | 01/08/2020 10:45 PM | Related to<br>#2400,Related to<br>#3284   |
| 5505 | OsmocomBB                                   | Feature | New      | Normal   | GPRS mobility (cell change) support  |          | 07/01/2022 06:24 AM | Related to #5505                          |

| #    | Project                         | Tracker | Status   | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|----------|----------|--|----------|---------------------|---|
| 4580 | SDR (Software Defined Radio)    | Feature | New      | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0  |          | 06/04/2020 01:13 AM |   |
| 4950 | gr-osmosdr                      | Bug     | New      | Normal   | gr-osmosdr doesn't find iqbalance during build   |          | 02/22/2021 02:46 AM |   |
| 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 |
| 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                  |
| 4660 | OsmoMSC                         | Bug     | New      | Normal   | GSM AUTH failure: mismatching sres - with module TRM-5 ext                                     |          | 07/12/2020 08:01 PM |   |
| 5504 | OsmocomBB                       | Feature | New      | Normal   | GSM/GPRS coordination (RR/GRR)   |          | 05/23/2023 12:31 PM | Related to #5504  |
| 2705 | OsmocomBB                       | Bug     | New      | Normal   | GSM48_MMR_NREG_REQ followed by GSM48_MMR_REG_REQ don't attach to the network                   |          | 12/03/2017 09:50 PM |   |
| 4333 | Cellular Network Infrastructure | Support | Feedback | Normal   | GSUP binary compatibility: add GSUP protocol version IE?                                       |          | 12/16/2019 01:56 PM | Related to #4333,Related to #4333,Related to #4333                  |
| 2883 | OsmoMSC                         | Bug     | New      | Normal   | GSUP encoding of MSISDN is wrong   |          | 10/20/2020 08:41 AM | Related to #4324,Related to #4333                                   |
| 3880 | OsmoMSC                         | Bug     | New      | Normal   | GSUP MT-ForwardSM Message Reference - wrong value in a response                                |          | 04/01/2019 07:47 AM |   |
| 1667 | OsmoNITB                        | Feature | New      | Normal   | Handle callref better  |          | 09/04/2019 09:31 AM | Related to #3294  |
| 4858 | OsmoBSC                         | Bug     | New      | Normal   | handover CHANnel ACTIVation: BSC sends timing advance for lchan activation in a different cell |          | 11/10/2020 05:41 PM |   |
| 3480 | OsmoBSC                         | Feature | New      | Normal   | handover from TCH/F to TCH/H to reduce load  |          | 06/08/2020 07:08 PM | Related to #3480,Related to #3481                                   |
| 3481 | OsmoBSC                         | Feature | New      | Normal   | handover from TCH/H to TCH/F to reduce load  |          | 06/08/2020 07:08 PM | Related to #3481,Related to #3481                                   |
| 4488 | OsmoPCU                         | Feature | New      | Normal   | have uplink/downlink tests for all CS/MCS  |          | 11/25/2020 07:28 PM | Related to #4488,Related to #4510                                   |
| 1515 | UmTRX                           | Feature | New      | Normal   | Heat dissipation and mounting issue  |          | 02/19/2016 10:52 PM |   |
| 5867 | OsmoHNBGW                       | Feature | New      | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                             |          | 01/21/2023 02:30 AM |   |
| 5050 | OsmoTRX                         | Bug     | New      | Normal   | How can I solve limesdr mini clock problem with osmocom ?                                      |          | 02/27/2021 01:55 PM |   |

| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|---|----------|---------------------|-----------------------------------|
| 2650 | OsmoMGW                               | Bug     | New         | Normal   | how can osmo-mgw send a dummy RTP packet before CRCX ACK?                             |          | 06/08/2020 07:08 PM | Related to #4005                  |
| 6224 | Retronetworking                       | Feature | Feedback    | Normal   | how to document the rescued EWSD  |          | 10/18/2023 04:51 PM |                                   |
| 4135 | Qualcomm Linux Modems by Quectel & Co | Support | New         | Normal   | how to use network inside ec20  |          | 07/31/2019 11:20 AM |                                   |
| 6258 | OsmoMSC                               | Feature | In Progress | Normal   | if MT call leg does not support the assigned codec, re-assign to a compatible codec   |          | 01/12/2024 06:26 AM | Related to #6328                  |
| 6255 | OsmoDia2GSUP                          | Bug     | New         | Normal   | Implement 3GPP Purge UE Request   |          | 11/10/2023 01:29 PM |                                   |
| 4019 | OsmoPCU                               | Bug     | New         | Normal   | implement a command to show all informations from the bts                             |          | 11/25/2020 07:33 PM |                                   |
| 5648 | libosmo-pfcp                          | Feature | New         | Normal   | implement common PFCP CPF client VTY config   |          | 08/17/2022 03:29 PM | Related to #5648                  |
| 3763 | osmo-sip-connector                    | Bug     | New         | Normal   | Implement correct handling for call answered elsewhere                                |          | 01/22/2019 01:03 PM |                                   |
| 5838 | OsmoGSMTester                         | Feature | New         | Normal   | Implement power switching for all BTSs  |          | 12/20/2022 05:30 PM |                                   |
| 1586 | OsmoSGSN                              | Feature | New         | Normal   | Implement QoS profile support   |          | 02/23/2016 03:45 PM |                                   |
| 6036 | OsmoBTS                               | Feature | New         | Normal   | Implement ternary SID classification for HR1 uplink                                   |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036 |
| 5780 | OsmoMSC                               | Feature | New         | Normal   | Implement/Support UUS1  |          | 01/24/2023 10:48 AM |                                   |
| 5352 | gr-osmosdr                            | Bug     | New         | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2" |          | 12/11/2021 08:19 AM |                                   |
| 1997 | OsmoHNBGW                             | Feature | New         | Normal   | Improve error check at compilation time   |          | 10/21/2021 04:28 PM |                                   |
| 2266 | OsmoGSMTester                         | Feature | New         | Normal   | in the gsm tester, use ipa.py from openbsc instead of the current CTRL implementation |          | 10/16/2017 12:36 PM |                                   |
| 6316 | pySim                                 | Feature | New         | Normal   | include test data in user manual  |          | 12/23/2023 03:10 PM |                                   |
| 5047 | OsmoSDR                               | Feature | New         | Normal   | Inconsistencies between SDR's in bias-tee parameter                                   |          | 12/19/2021 01:17 PM |                                   |
| 5380 | osmo-ccid-firmware                    | Bug     | New         | Normal   | Incorrect answer to PC_to_RDR_SetParameters CCID command                              |          | 01/16/2022 08:55 PM |                                   |
| 6330 | OsmoMSC                               | Bug     | New         | Normal   | Incorrect handling of V.120 data calls  |          | 01/18/2024 03:02 PM | Related to #6344                  |
| 3652 | OsmocomBB                             | Bug     | New         | Normal   | Incorrect IMEISV setting in mobile application  |          | 10/12/2018 08:20 PM |                                   |
| 6323 | OP25                                  | Bug     | New         | Normal   | Install script is broken on Ubuntu 23.10  |          | 01/05/2024 07:54 PM |                                   |
| 3992 | OsmoMSC                               | Bug     | New         | Normal   | inter-MSC handover for signalling-only?   |          | 05/09/2019 11:39 AM |                                   |
| 1588 | OsmoSGSN                              | Feature | New         | Normal   | Inter-RAT hand-over   |          | 02/23/2016 03:46 PM |                                   |
| 3696 | OsmoSGSN                              | Bug     | New         | Normal   | Intermittent Connection Drop  |          | 01/08/2020 10:48 PM |                                   |
| 2800 | linmodem                              | Feature | New         | Normal   | Interop testing with real modems  |          | 01/01/2018 12:16 PM |                                   |
| 1955 | OsmoNITB                              | Bug     | New         | Normal   | Investigate "Bad signalling message" error  |          | 03/05/2018 07:33 PM |                                   |
| 3564 | OsmoGSMTester                         | Feature | New         | Normal   | Investigate ofono and modems Cell Broadcast support                                   |          | 01/08/2020 10:42 PM | Related to #3564                  |
| 4018 | OsmoPCU                               | Bug     | New         | Normal   | investigate ordering of includes paths  |          | 05/23/2019 10:59 AM |                                   |

| #    | Project      | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|--------------|---------|-------------|----------|--|----------|---------------------|--|
| 5756 | libosmo-abis | Bug     | New         | Normal   | io_uring support in libosmo-abis   |          | 03/20/2024 03:58 PM | Related to #5756,Related to #6357,Blocks #5896     |
| 4552 | OsmoMGW      | Bug     | New         | Normal   | ip-probing issue with BTS connection - no rebinding to a correct IP address                                |          | 05/14/2020 11:18 PM |  |
| 5842 | OsmoBSC      | Bug     | New         | Normal   | ipa: investigate NSVC local and remote port configuration difference with wireshark dissector              |          | 12/22/2022 07:18 PM |  |
| 34   | OsmoBSC      | Bug     | New         | Normal   | ipaccess init code needs proper state machines   |          | 12/10/2017 08:16 PM | Related to #34                                     |
| 3936 | OsmoSGSN     | Bug     | New         | Normal   | lu: first GMM Service Request does not find a MM ctx   |          | 05/07/2019 01:37 PM | Related to #3936                                   |
| 3923 | OsmoSGSN     | Bug     | New         | Normal   | lu: Respond to SecurityCommandReject messages  |          | 04/24/2019 08:26 AM | Related to #3923                                   |
| 3937 | OsmoSGSN     | Bug     | In Progress | Normal   | lu: verify handling of GMM Service Request (data)when no PDP Context present.                              |          | 05/21/2019 10:28 AM | Related to #3937                                   |
| 1818 | OsmoSGSN     | Bug     | New         | Normal   | luPS: CN should lu Release in certain situations   |          | 01/08/2020 10:47 PM | Related to #1818,Related to #3302,Related to #3908 |
| 3590 | rtl-sdr      | Bug     | New         | Normal   | Key Functions Missing Documentation  |          | 09/25/2018 01:04 PM |  |
| 1655 | OsmoSGSN     | Feature | Stalled     | Normal   | KPIs for OsmoSGSN  |          | 01/08/2020 10:49 PM | Related to #1652,Related to #1655,Related to #1655 |
| 5356 | libosmo-abis | Bug     | New         | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                                   |          | 12/13/2021 12:50 PM |  |
| 5313 | OsmoMGW      | Bug     | New         | Normal   | libosmo-mgcp-client-dbg specific package not generated for debian  |          | 11/16/2021 03:57 PM |  |
| 6374 | libosmocore  | Bug     | New         | Normal   | libosmocore --disable-libsctp not tested by jenkins  |          | 02/23/2024 03:47 PM |  |
| 5864 | libosmocore  | Bug     | New         | Normal   | Libosmocore: Fix order of config parsing output  |          | 02/04/2023 05:21 PM |  |
| 6360 | libosmocore  | Bug     | New         | Normal   | libosmovty fails to parse commands like "test (foo bar [(one two three)])"                                 |          | 02/14/2024 09:25 PM |  |
| 4637 | OsmoTRX      | Bug     | New         | Normal   | limesdr usb gain setting changes break gsm phasenoise constraints  |          | 06/29/2020 04:43 PM |  |
| 1543 | OsmoPCU      | Feature | New         | Normal   | link/rate adaption as per spec   |          | 01/08/2020 10:43 PM | Related to #1543,Related to #1543                  |
| 5509 | OsmoSGSN     | Bug     | New         | Normal   | llc/pdu lifetime: add vty config option to define default lifetime   |          | 03/31/2022 04:11 PM |  |
| 5338 | OsmoBTS      | Bug     | New         | Normal   | LMSDevice.cpp:261 Power parameters requested before Tx Frequency was set! Providing band 900 by default... |          | 12/09/2021 11:42 PM |  |
| 1858 | OsmoBSC      | Feature | New         | Normal   | make BSC also generate ALERTs  |          | 12/10/2017 07:59 PM |  |
| 2677 | libosmocore  | Support | New         | Normal   | Make stat_item available over ctrl interface   |          | 09/04/2019 09:21 AM | Related to #2676                                   |
| 4764 | OsmoMSC      | Bug     | New         | Normal   | make sure Assignment times out, always   |          | 09/23/2020 02:08 PM |  |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 5900 | OsmoUPF                               | Feature | In Progress | Normal   | make sure chain ids used in the tunmap nft ruleset are unused                      |          | 02/09/2023 05:34 PM |                                   |
| 4452 | OsmoPCU                               | Bug     | Stalled     | Normal   | manual testing of osmo-pcu   |          | 07/28/2023 02:48 PM |                                   |
| 4972 | OsmoMSC                               | Bug     | New         | Normal   | manual: the MNCC protocol is outdated (RTP)  |          | 01/24/2021 05:58 PM |                                   |
| 3344 | OsmoTRX                               | Feature | New         | Normal   | merge ttsou/siggen   |          | 06/13/2018 07:26 PM |                                   |
| 3594 | gr-osmosdr                            | Feature | New         | Normal   | Message Commands   |          | 09/25/2018 03:59 PM |                                   |
| 4638 | Altair LTE Modems                     | Feature | New         | Normal   | Mikrotik R11e-4G mtd dump  |          | 06/13/2021 10:15 AM |                                   |
| 4023 | OsmoBTS                               | Bug     | Stalled     | Normal   | Missing coverage of PCU interface in osmo-bts                                      |          | 03/21/2023 01:07 PM | Related to #4023                  |
| 2962 | OsmoSGSN                              | Bug     | New         | Normal   | Missing TTCN-3 test cases  |          | 01/08/2020 10:47 PM |                                   |
| 5699 | OsmoMSC                               | Bug     | New         | Normal   | MNCC_RTP_CREATE is not sent in a call waiting scenario                             |          | 10/10/2022 06:46 PM |                                   |
| 3629 | OsmocomBB                             | Bug     | New         | Normal   | mobile aborting after 'test re-selection 1' on vty                                 |          | 10/04/2018 02:58 PM |                                   |
| 6346 | OsmocomBB                             | Feature | New         | Normal   | mobile: support data calls @ 14400 bps (TCH/F14.4)                                 |          | 01/26/2024 10:03 PM | Related to #6346,Related to #6346 |
| 6347 | OsmocomBB                             | Feature | New         | Normal   | mobile: support data calls @ 300 bps and 1200/75 bps (TCH/[FH]2.4)                 |          | 01/26/2024 09:54 PM | Related to #6347                  |
| 6201 | OsmocomBB                             | Bug     | New         | Normal   | modem: signal proper MS Radio Access Capability                                    |          | 10/04/2023 12:34 PM | Related to #6201                  |
| 2815 | linmodem                              | Feature | New         | Normal   | modern ptmx / pty handling (UNIX 98)   |          | 01/01/2018 02:48 PM |                                   |
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled     | Normal   | more statistics / counters   |          | 12/03/2023 11:17 AM |                                   |
| 1954 | OsmocomBB                             | Bug     | In Progress | Normal   | Motorola C188 with Osmocombb firmwre(RAM version) can't scan out any base stations |          | 07/10/2017 10:24 PM |                                   |
| 1577 | OsmoBTS                               | Bug     | New         | Normal   | mph_send_config_logchpar doesn't update encryption config                          |          | 02/23/2016 03:39 PM |                                   |
| 2438 | OsmoNITB                              | Bug     | New         | Normal   | MS not registered from osmocom PoV, but registered from ofono PoV                  |          | 08/14/2017 09:36 AM |                                   |
| 3814 | OsmoBSC                               | Bug     | New         | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS                                 |          | 02/24/2019 01:15 AM |                                   |
| 4017 | OsmoMSC                               | Bug     | New         | Normal   | MSC fails to handle calls  |          | 05/29/2019 04:56 PM |                                   |
| 4525 | Cellular Modem Information            | Feature | New         | Normal   | MTK  |          | 05/03/2020 03:57 PM | Is duplicate of #4525             |
| 1479 | Mobile (in)Security                   | Bug     | New         | Normal   | MTK stack unable to send MO-SMS on TCH/F   |          | 04/03/2019 09:01 AM |                                   |
| 4536 | OsmoBSC                               | Feature | New         | Normal   | Multi BTS support within a single physical device                                  |          | 06/21/2020 01:10 PM |                                   |
| 5818 | libosmocore                           | Bug     | New         | Normal   | multithreaded logging causes lock contention and needs a rework                    |          | 01/10/2024 09:05 AM |                                   |
| 4926 | OsmoHNBGW                             | Bug     | New         | Normal   | nano3G disconnect / reconnect cycle with SCTP multi-homing                         |          | 01/04/2021 11:38 AM | Related to #4926                  |
| 3865 | OsmoBSC                               | Bug     | New         | Normal   | nanoBTS: GPRS not working anymore, modems unable to attach in osmo-gsm-tester      |          | 05/11/2023 01:00 PM | Is duplicate of #3865             |
| 4352 | osmo-sip-connector                    | Bug     | New         | Normal   | Need to handle 401 Unauthorized  |          | 01/09/2020 02:03 PM |                                   |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues        |
|------|--|---------|-------------|----------|---|----------|---------------------|-----------------------|
| 6007 | OsmoBSC  | Bug     | New         | Normal   | network -> bts -> gprs nsvc will always create a nsvc node  |          | 04/17/2023 04:08 PM |                       |
| 2224 | SDR (Software Defined Radio)                           | Feature | New         | Normal   | New Fospor Benchmark Performance  |          | 05/04/2017 01:23 PM |                       |
| 5808 | gr-osmosdr   | Feature | New         | Normal   | New option, for selecting an input channel of a soapy_source_c  |          | 12/05/2022 11:45 AM |                       |
| 6344 | libosmocore  | Feature | New         | Normal   | New TS 24.008 Bearer Capability codec API   |          | 01/24/2024 11:19 PM | Related to #6344      |
| 5357 | OsmoGGSN (former OpenGGSN)                             | Bug     | New         | Normal   | no more than PDP_MAX == 1024 PDP contexts possible in libgtp  |          | 12/14/2021 01:20 PM | Related to #5469      |
| 4141 | Cellular Network Infrastructure                        | Bug     | New         | Normal   | No osmux specific code in place during codec negotiation  |          | 08/05/2019 03:57 PM |                       |
| 5693 | OCTOI - Osmocom Community TDM over IP                  | Bug     | Stalled     | Normal   | no progress tones in yate   |          | 12/03/2023 11:10 AM |                       |
| 2179 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New         | Normal   | no sign about OsmoCon outside of venue  |          | 04/24/2017 07:10 PM |                       |
| 2957 | OsmoSGSN   | Bug     | New         | Normal   | No timeout during GSUP PURGE MS to HLR  |          | 01/08/2020 10:47 PM |                       |
| 2953 | OsmoSGSN   | Bug     | New         | Normal   | No timeout waiting for UpdateLocation Response on GSUP  |          | 01/08/2020 10:47 PM | Related to #2952      |
| 3591 | rtl-sdr  | Bug     | New         | Normal   | No Way To Detect Occasional Failed Bulk Transfers   |          | 09/25/2018 01:29 PM |                       |
| 5402 | E1/T1 Hardware Interface (including icE1usb)           | Bug     | New         | Normal   | no2e1 gateway improvements  |          | 01/13/2022 12:02 PM |                       |
| 1838 | OsmoPCU  | Bug     | Stalled     | Normal   | Nokia E52 doest reply to PUAN message properly  |          | 10/29/2017 06:47 PM |                       |
| 4557 | OsmoMSC  | Bug     | New         | Normal   | normal BSSMAP Clear Command from MSC contains cause == 0 meaning "Radio interface message failure"                |          | 05/20/2020 07:17 PM |                       |
| 41   | OsmoMSC  | Bug     | New         | Normal   | Numbering Plan in OsmoMSC   |          | 06/23/2018 07:37 PM |                       |
| 5298 | gr-osmosdr   | Bug     | New         | Normal   | object has no attribute 'pyqwidget' on arch linux   |          | 11/09/2021 01:25 AM |                       |
| 6297 | OsmoMGW  | Bug     | New         | Normal   | octet-align=0 is the RFC 6871 specified default to use when omitted; but osmo-mgw assumes don't-care when omitted |          | 12/12/2023 02:12 AM | Is duplicate of #5726 |
| 2713 | OsmoGSMTester  | Bug     | New         | Normal   | ofono: chosen pdp type (v4, v6, dual) not strictly followed in ofono qmi  |          | 01/08/2020 10:40 PM | Related to #2713      |
| 2238 | OsmoGSMTester  | Bug     | In Progress | Normal   | ofono: Gobi modem: cannot receive SMS   |          | 01/08/2020 10:42 PM | Related to #2238      |
| 3676 | OsmoGSMTester  | Bug     | New         | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"   |          | 06/09/2020 08:39 PM |                       |
| 3046 | OsmoGSMTester  | Bug     | New         | Normal   | ofono: SierraW modem fails to power on  |          | 01/08/2020 10:41 PM |                       |
| 2941 | OsmoGSMTester  | Bug     | New         | Normal   | ofono: SierraW sometimes crashing while deactivating a context.   |          | 01/08/2020 10:40 PM |                       |
| 3917 | OsmoGSMTester  | Bug     | New         | Normal   | ofono: update debian packages to match our dependencies   |          | 04/06/2020 11:30 AM |                       |
| 2691 | OsmoNITB   | Bug     | Feedback    | Normal   | Old TMSI paged after LU   |          | 05/17/2018 11:47 AM |                       |



| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 4031 | OsmoBTS  | Bug     | New    | Normal   | OML part of BTS has no TTCN-3 tests   |          | 09/04/2019 09:04 AM | Related to #4031,Related to #4031 |
| 4082 | OsmoBTS  | Bug     | New    | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE   |          | 11/18/2019 10:09 AM |                                   |
| 6009 | OsmoMSC  | Bug     | New    | Normal   | omo-msc: lots of tlv_parse() calls in src/libmsc/gsm_04_08.c have no return code checked for errors |          | 04/19/2023 03:19 PM |                                   |
| 4130 | OP25   | Bug     | New    | Normal   | OP25 User Interface   |          | 07/26/2019 02:36 AM |                                   |
| 1832 | Linux Kernel GTP-U                             | Feature | New    | Normal   | OpenvSwitch GTP-u patch for 2.5   |          | 10/27/2016 08:56 AM |                                   |
| 3983 | libosmocore                                    | Bug     | New    | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent  |          | 03/24/2021 12:35 PM |                                   |
| 3909 | libosmocore                                    | Bug     | New    | Normal   | osmo_get_rand_id() fails in containerised environment   |          | 03/24/2021 12:34 PM | Related to #3909                  |
| 6410 | libosmocore                                    | Bug     | New    | Normal   | osmo_io poll backend doesn't work on file descriptors that are not sockets                          |          | 03/19/2024 07:33 PM |                                   |
| 3309 | libosmocore                                    | Feature | New    | Normal   | osmo_timer_* should use monotonic clock   |          | 05/31/2018 03:59 PM | Related to #3309                  |
| 4589 | OsmoBSC  | Bug     | New    | Normal   | osmo-bsc crashes with "lchan allocation failed in state WAIT_RF_RELEASE_ACK: Timeout"               |          | 06/06/2020 10:40 PM |                                   |
| 3330 | OsmoBSC  | Feature | New    | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED   |          | 06/08/2018 12:14 PM | Related to #3330                  |
| 5576 | OsmoBTS  | Bug     | New    | Normal   | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked        |          | 06/02/2022 10:38 AM |                                   |
| 5474 | OsmoBTS  | Bug     | New    | Normal   | osmo-bts-trx: DTXd support not implemented  |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474 |
| 3329 | OsmoBTS  | Feature | New    | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED   |          | 06/08/2018 12:02 PM | Related to #3330                  |
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support check IMEI   |          | 03/15/2024 06:45 PM |                                   |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support Emergency services (no IMSI)   |          | 03/15/2024 06:43 PM |                                   |
| 6332 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Write User Manual  |          | 01/18/2024 04:15 PM | Related to #6332                  |
| 6298 | OsmoGGSN (former OpenGGSN)                     | Feature | New    | Normal   | osmo-ggsn not providing MTU of the GTP tunnel to the MS   |          | 02/15/2024 10:30 PM | Related to #6298                  |
| 6126 | OsmoGSMTester                                  | Bug     | New    | Normal   | osmo-gsm-tester docker container uses debian 10   |          | 08/01/2023 09:49 AM | Related to #6126                  |
| 2861 | OsmoGSMTester                                  | Feature | New    | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k  |          | 12/02/2019 01:36 PM | Related to #2860                  |
| 2646 | OsmoGSMTester                                  | Feature | New    | Normal   | osmo-gsm-tester: Add osmo-sip-connector support   |          | 04/23/2018 10:40 AM |                                   |
| 2431 | OsmoGSMTester                                  | Bug     | New    | Normal   | osmo-gsm-tester: add test case: MS sends SMS to ESME  |          | 08/10/2017 03:47 PM |                                   |
| 2314 | OsmoGSMTester                                  | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: correct ESME routing  |          | 05/31/2017 04:29 PM |                                   |

| #    | Project                     | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|-----------------------------|---------|----------|----------|---|----------|---------------------|--|
| 2313 | OsmoGSMTester               | Feature | New      | Normal   | osmo-gsm-tester: add test case: smpp: imsi extension  |          | 05/31/2017 04:27 PM |  |
| 2311 | OsmoGSMTester               | Feature | New      | Normal   | osmo-gsm-tester: add test case: smpp: smpp_first feature  |          | 05/31/2017 04:21 PM |  |
| 2374 | OsmoGSMTester               | Feature | New      | Normal   | osmo-gsm-tester: add test case: sms between MS with delivery report   |          | 08/10/2017 04:37 PM |  |
| 2230 | OsmoGSMTester               | Feature | New      | Normal   | osmo-gsm-tester: arfcn as resource  |          | 12/14/2017 04:08 PM | Related to #2230                                   |
| 4151 | OsmoGSMTester               | Bug     | Stalled  | Normal   | osmo-gsm-tester: osmo-trx-lms process sometimes kept forever in zombie-alike state after killing it                                     |          | 09/30/2020 08:08 PM | Related to #4151                                   |
| 2197 | OsmoGSMTester               | Feature | Stalled  | Normal   | osmo-gsm-tester: use MNCC interface   |          | 11/30/2017 10:41 AM | Related to #2194,Is duplicate of #2197             |
| 4705 | Distributed GSM             | Bug     | New      | Normal   | osmo-hlr user manual: explain the mslookup domain suffix "mdns.osmocom.org", it has no mention in the user manual                       |          | 08/13/2020 12:54 AM |  |
| 3820 | OsmoHNBGW                   | Bug     | New      | Normal   | osmo-hnbgw does not properly do RANAP RESET and RESET ACK on the link towards MSC and SGSN  |          | 05/13/2021 12:01 PM | Related to #3944                                   |
| 5869 | OsmoHNBGW                   | Bug     | New      | Normal   | osmo-hnbgw ignores HNBAP HNB De-Register  |          | 01/21/2023 01:52 AM |  |
| 5573 | OsmoHNBGW                   | Bug     | New      | Normal   | osmo-hnbgw: RANAP LocationReportingControl not implemented  |          | 05/30/2022 02:05 PM |  |
| 5837 | OsmoHNBGW                   | Bug     | New      | Normal   | osmo-ih: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.  |          | 12/20/2022 03:43 PM |  |
| 6293 | OsmoMGW                     | Bug     | New      | Normal   | osmo-mgw "decides" for a codec during MGCP handling; instead it should handle all configured payload type numbers as they arrive in RTP |          | 12/07/2023 05:52 AM | Related to #6293,Related to #6293,Blocks #6136     |
| 5468 | OsmoMGW                     | Feature | New      | Normal   | osmo-mgw: 2g<->3g call support  |          | 06/03/2022 10:39 AM | Related to #5468,Related to #5468,Related to #5468 |
| 3829 | OsmoMSC                     | Bug     | New      | Normal   | osmo-msc expects aoip TLV in Assignment Complete messages from BSC  |          | 03/07/2019 08:30 PM |  |
| 4337 | OsmoMSC                     | Bug     | New      | Normal   | osmo-msc: Don't send LU-Reject after LU-Accept if no TMSI Realloc Complete is received  |          | 01/07/2021 06:22 PM | Related to #4337                                   |
| 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 |  |
| 4967 | OsmoPCU                     | Feature | New      | Normal   | osmo-pcu: Avoid sending new DL EGPRS blocks to MS announcing MS_OUT_OF_MEMORY   |          | 01/21/2021 02:26 PM |  |
| 4966 | OsmoPCU                     | Bug     | New      | Normal   | osmo-pcu: gprs+egprs multiplex: Allow selecting original 8-PSK dl block during retransmission for GSMK-required DL block                |          | 01/26/2021 01:07 PM | Related to #4966                                   |
| 5300 | OsmoPCU                     | Bug     | New      | Normal   | osmo-pcu: SUSPEND-NACK not implemented  |          | 03/31/2022 02:59 PM |  |
| 5858 | Core testing infrastructure | Bug     | Feedback | Normal   | osmo-python-tests: Ignore, at least clean up 'tmp_dummy_sock'   |          | 02/22/2023 06:25 PM | Related to #5858                                   |
| 1907 | osmo-qcdiag                 | Bug     | New      | Normal   | osmo-qcdiag detects CRC errors relatively often   |          | 01/23/2017 01:47 AM |  |
| 1901 | osmo-qcdiag                 | Feature | New      | Normal   | osmo-qcdiag: Ability to read/write NV data  |          | 01/11/2017 12:15 PM |  |
| 1900 | osmo-qcdiag                 | Feature | New      | Normal   | osmo-qcdiag: Add FUSE based access for EFS  |          | 01/11/2017 12:15 PM |  |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--|---------|-------------|----------|---|----------|---------------------|--|
| 1899 | osmo-qcdiag  | Bug     | New         | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working                                |          | 01/11/2017 12:15 PM |  |
| 5852 | OsmoSGSN   | Bug     | New         | Normal   | osmo-sgsn: Keep TLLI<->NSEI+BVCI relation knowledge in BSSGP layer                    |          | 01/11/2023 03:08 PM |  |
| 5853 | OsmoSGSN   | Feature | New         | Normal   | osmo-sgsn: Rework to use libosmo-gprs   |          | 01/11/2023 03:14 PM |  |
| 1686 | osmo-sip-connector                                     | Feature | New         | Normal   | osmo-sip-connector: Implement call holding on SIP                                     |          | 10/20/2020 08:36 AM |  |
| 6418 | pySim  | Bug     | New         | Normal   | osmo-smdpp docs   |          | 03/25/2024 05:54 PM |  |
| 3949 | OsmoTRX  | Bug     | New         | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)                      |          | 09/30/2020 08:08 PM | Related to #4468   |
| 3981 | OsmoTRX  | Bug     | New         | Normal   | osmo-trx-lms: Overruns appear from time to time                                       |          | 09/30/2020 08:08 PM | Related to #3981   |
| 4362 | OsmoTRX  | Feature | Stalled     | Normal   | osmo-trx-lms: Support multi-arfcn feature   |          | 09/30/2020 08:09 PM | Related to #4362, Related to #4362                                     |
| 3806 | OsmoBSC  | Bug     | Stalled     | Normal   | OsmoBSC accepts BSSAP with wrong length field   |          | 08/28/2020 08:15 PM | Related to #3806   |
| 4553 | OsmoBSC  | Bug     | New         | Normal   | OsmoBSC doesn't handle RESET IP RESOURCE BSSMAP message                               |          | 05/16/2020 07:44 PM |  |
| 3000 | OsmoBSC  | Bug     | New         | Normal   | OsmoBSC issues "RSL Connect" command too early -> race conditions                     |          | 02/25/2018 12:32 PM | Related to #2470, Related to #4179                                     |
| 4537 | OsmoBSC  | Feature | In Progress | Normal   | OsmoBSC needs strategies to recover broken lchans (lchan state BORKEN)                |          | 11/20/2023 05:03 PM | Related to #4537, Related to #4540, Related to #4541, Related to #5106 |
| 4124 | OsmoBSCNAT   | Feature | New         | Normal   | OsmoBSCNAT : Write user manual  |          | 01/08/2020 10:56 PM | Related to #4124   |
| 4827 | OsmoBTS  | Bug     | New         | Normal   | OsmoBTS VTY is lacking various vital information                                      |          | 10/23/2020 07:14 PM |  |
| 5641 | OsmoCBC  | Feature | New         | Normal   | OsmoCBC doesn't yet support reloading cells becoming operational with active messages |          | 08/05/2022 05:10 PM |  |
| 2764 | SDR (Software Defined Radio)                           | Support | New         | Normal   | osmocom_fft & siggen can't access the X display                                       |          | 12/15/2017 06:09 PM |  |
| 3201 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New         | Normal   | OsmoDevCon: Add one more rectangular table  |          | 04/23/2018 07:00 PM |  |
| 3200 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New         | Normal   | OsmoDevCon: Use loudspeakers even at IN-Berlin  |          | 04/23/2018 06:53 PM |  |
| 6106 | OsmoGGSN (former OpenGGSN)                             | Bug     | New         | Normal   | OsmoGGSN attempts to use the same GTP-U socket for all APNs with gtpu-mode kernel-gtp |          | 02/21/2024 10:31 AM | Related to #6106, Related to #6106                                     |

| #    | Project                    | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|----------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 4172 | OsmoGGSN (former OpenGGSN) | Bug     | New         | Normal   | osmoggsn crashes when stopping  |          | 08/29/2019 11:35 AM |  |
| 5773 | OsmoGGSN (former OpenGGSN) | Bug     | New         | Normal   | OsmoGGSN sends Direct Tunnel packets to the wrong IP address                        |          | 11/17/2022 04:17 AM |  |
| 4403 | IMSI Pseudonymization      | Feature | Feedback    | Normal   | OsmoHLR: How to interface with SMS service?   |          | 04/16/2020 08:45 AM | Blocks #4477   |
| 4477 | IMSI Pseudonymization      | Feature | New         | Normal   | OsmoHLR: send next pseudo IMSI via SMS  |          | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477  |
| 2928 | OsmoMSC                    | Bug     | New         | Normal   | OsmoMSC doesn't do BSSMAP ASSIGNMENT if no MNCC_RTP_CREATE is received              |          | 02/11/2018 05:38 PM |  |
| 2960 | OsmoSGSN                   | Bug     | New         | Normal   | OsmoSGSN confirms PDP CTX ACT to MS/Gb despite missing conditional IEs on GTP       |          | 01/08/2020 10:48 PM |  |
| 2958 | OsmoSGSN                   | Bug     | Stalled     | Normal   | OsmoSGSN doesn't authenticate on second/further ATTACH REQUEST                      |          | 01/08/2020 10:49 PM | Related to #2958,Related to #4221  |
| 5154 | OsmoSGSN                   | Bug     | New         | Normal   | OsmoSGSN doesn't trigger 3G paging if downlink GTP traffic arrives after long break |          | 05/13/2021 12:28 PM | Related to #5154   |
| 2440 | libosmo-netif              | Bug     | New         | Normal   | Osmux: Improve lost packet recreation mechanism                                     |          | 12/01/2019 10:11 AM | Blocks #2439   |
| 2439 | libosmo-netif              | Bug     | New         | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them                    |          | 12/01/2019 10:11 AM | Blocks #2439   |
| 2379 | OsmocomBB                  | Feature | New         | Normal   | package as .deb   |          | 02/27/2020 02:39 PM |  |
| 6367 | pySim                      | Feature | New         | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others                                 |          | 02/17/2024 01:34 PM |  |
| 3920 | OsmoSGSN                   | Support | In Progress | Normal   | PCAPs files of 3G PS for Osmocom network and Commercial one                         |          | 04/18/2019 02:03 PM | Related to #3920,Related to #3936,Related to #3923,Related to #3937,Related to #3922 |
| 4766 | OsmoBSC                    | Bug     | New         | Normal   | pcu interface: add app info request   |          | 09/26/2020 10:21 PM |  |
| 4767 | OsmoBSC                    | Bug     | New         | Normal   | pcu interface: add suspend request support  |          | 09/29/2020 04:40 PM |  |
| 5844 | OsmoPCU                    | Bug     | New         | Normal   | pcu: ns: ip-sns: 2 local binds with a single remote is invalid                      |          | 12/22/2022 09:59 PM |  |
| 1554 | OsmoPCU                    | Feature | New         | Normal   | per-MS BSSGP flow control   |          | 02/23/2016 03:12 PM | Related to #1554   |
| 48   | OsmoNITB                   | Bug     | New         | Normal   | Periodic timer and paging   |          | 03/05/2018 07:34 PM |  |
| 4513 | rtl-sdr                    | Bug     | New         | Normal   | PKG information broken  |          | 04/26/2020 03:21 PM |  |
| 5031 | OsmoSDR                    | Bug     | New         | Normal   | Please switch to gr-funcube   |          | 06/17/2021 09:23 AM |  |
| 5445 | gr-osmosdr                 | Bug     | New         | Normal   | Please switch to the gr-funcube   |          | 02/15/2022 11:56 PM |  |
| 5460 | gr-osmosdr                 | Bug     | New         | Normal   | Please use double for ppm with fcdp/pp  |          | 02/17/2022 10:43 PM |  |
| 6032 | rtl-sdr                    | Bug     | New         | Normal   | Poor APRS demodulation using RTL_FM on RaspberryPI or on old PC                     |          | 05/15/2023 12:14 PM |  |
| 4596 | OsmocomTETRA               | Feature | New         | Normal   | Port to GR3.8   |          | 01/08/2021 05:23 PM |  |

| #    | Project                               | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues                         |
|------|---------------------------------------|---------|---------|----------|--|----------|---------------------|--|
| 5443 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | possibility to transmit frames from multiple lines in one packet                       |          | 02/06/2022 08:15 AM |  |
| 3775 | OsmoTRX                               | Bug     | Stalled | Normal   | properly debug limesdr usb and limesdr mini clocking requirements and osmo-trx support |          | 09/30/2020 08:09 PM | Blocks #3341,Blocks #3342,Blocks #3775 |
| 5267 | pySim                                 | Feature | New     | Normal   | pySim-shell: Ability to deactivate entire applications on the card                     |          | 10/14/2021 07:12 PM | Related to #5268                       |
| 6312 | OsmoHLR                               | Bug     | New     | Normal   | Querying HLR for MSISDN-to-IMSI mapping is too cumbersome and inefficient              |          | 12/21/2023 06:52 AM | Related to #6312                       |
| 4635 | libosmo-sccp + libosmo-sigtran        | Feature | New     | Normal   | quirks when initializing SS7 ASP   |          | 06/25/2020 04:46 PM | Related to #4635                       |
| 5008 | gr-osmosdr                            | Bug     | New     | Normal   | Quoted whitespace parsing problem in source_impl::source_impl                          |          | 02/04/2021 02:16 AM |  |
| 3849 | OsmoMGW                               | Bug     | New     | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite                        |          | 09/04/2019 09:26 AM |  |
| 3097 | OsmoBSC                               | Feature | New     | Normal   | ramping of "rxlev access min"  |          | 03/22/2018 11:51 AM | Related to #3097                       |
| 2191 | OsmoMSC                               | Feature | New     | Normal   | raw PDU mode for SMPP  |          | 12/23/2017 05:48 PM |  |
| 2390 | OsmoMSC                               | Feature | New     | Normal   | re-add osmocom specific TLVs to SMPP messages  |          | 12/23/2017 05:48 PM |  |
| 4471 | OsmocomBB                             | Support | New     | Normal   | Received FTMT00L from phone, ramloader has aborted                                     |          | 03/29/2020 11:18 AM |  |
| 3423 | OsmocomBB SDR PHY                     | Feature | Stalled | Normal   | Receiver: hard-coded GSM 05.02 channel configuration                                   |          | 07/09/2023 07:45 PM |  |
| 3425 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | Receiver: missing AGC (Automatic Gain Control)   |          | 07/09/2023 07:44 PM |  |
| 3422 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | Receiver: sample / burst buffering problem   |          | 07/09/2023 07:39 PM |  |
| 4080 | rtl-sdr                               | Support | New     | Normal   | Receiving UTAs on 978 Mhz  |          | 07/02/2019 12:08 PM |  |
| 3141 | OsmoTRX                               | Bug     | New     | Normal   | Refactor / clean up TRX CTRL / DATA interfaces implementation                          |          | 04/05/2018 05:46 PM |  |
| 2378 | OsmocomBB                             | Feature | New     | Normal   | Remove copy-pasted libosmocore ("git subtree") from osmocom-bb.git                     |          | 10/24/2018 02:13 PM |  |
| 1812 | OsmoNITB                              | Feature | New     | Normal   | Report gsm0408_dispatch() failures to MS / UE  |          | 01/08/2020 10:56 PM |  |
| 4404 | IMSI Pseudonymization                 | Feature | Stalled | Normal   | Research: Make sure that we can silently detach the IMSI                               |          | 04/15/2020 10:06 AM | Related to #4404,Related to #4480      |
| 5768 | Retronetworking                       | Feature | New     | Normal   | retronetworking logo / artwork   |          | 04/07/2024 10:40 PM |  |
| 2305 | OsmoSGSN                              | Bug     | New     | Normal   | review 'laforge/santos' branch and check if there are pending fixes                    |          | 01/08/2020 10:56 PM |  |
| 4884 | OsmoBSC                               | Bug     | New     | Normal   | RLL_REL_IND is recieved after RF_CHAN_REL  |          | 12/02/2020 11:51 AM |  |
| 4720 | rtl-sdr                               | Bug     | New     | Normal   | rtl_power reports invalid values   |          | 08/19/2020 02:47 PM |  |
| 6329 | rtl-sdr                               | Bug     | New     | Normal   | rtl_sdr does not have correct rpath set on OSX build                                   |          | 01/12/2024 09:57 PM |  |
| 2607 | rtl-sdr                               | Bug     | New     | Normal   | rtl-sdr gnuradio cfile is outdated   |          | 06/03/2018 12:23 PM |  |
| 5120 | rtl-sdr                               | Bug     | New     | Normal   | rtlsdr_demod_write_reg failed with -9  |          | 04/18/2021 08:55 PM |  |
| 37   | OsmoNITB                              | Bug     | New     | Normal   | RTP Proxy dealing with SSRC change and sequence numbers                                |          | 03/05/2018 07:34 PM |  |

| #    | Project                         | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|---------|----------|--|----------|---------------------|--|
| 3595 | gr-osmosdr                      | Feature | New     | Normal   | RX Tags  |          | 09/25/2018 04:01 PM |  |
| 2558 | Cellular Network Infrastructure | Feature | Stalled | Normal   | Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances |          | 06/08/2020 07:07 PM | Related to #2557,Related to #2556,Related to #2555,Related to #2558,Blocks #2893 |
| 4925 | libosmo-sccp + libosmo-sigtran  | Bug     | New     | Normal   | SCTP multihoming / ABORT between osmo-msc and osmo-stp                             |          | 01/04/2021 11:32 AM | Related to #4926   |
| 5822 | OsmocomBB                       | Bug     | New     | Normal   | SE K2x0i: missing RF and AFC params  |          | 12/15/2022 11:36 PM |  |
| 4825 | OsmoSGSN                        | Bug     | New     | Normal   | security command is missing sometimes  |          | 10/22/2020 02:40 AM |  |
| 4158 | OsmoHNBGW                       | Bug     | New     | Normal   | segfault when paging, in a situation with duplicate CID in hnb register requests   |          | 05/13/2021 12:01 PM | Related to #4162   |
| 4374 | OsmoMSC                         | Feature | New     | Normal   | send GSUP PurgeMS Request (CN-Domain = CS) to the HLR upon IMSI-Detach             |          | 01/23/2020 03:19 AM |  |
| 1482 | Mobile (in)Security             | Bug     | New     | Normal   | Sending the TMSI of the old/previous network                                       |          | 02/21/2016 04:35 PM |  |
| 4310 | osmo-sip-connector              | Bug     | New     | Normal   | sends BYE to self  |          | 01/09/2020 09:21 AM |  |
| 5771 | Cellular Network Infrastructure | Feature | New     | Normal   | series of presentations about the individual CNI network elements                  |          | 11/14/2022 07:25 PM |  |
| 3863 | OsmoBTS                         | Support | Stalled | Normal   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocom-bb  |          | 12/01/2019 10:52 AM |  |
| 5672 | Misc Hardware Projects          | Bug     | New     | Normal   | sfp-experimenter / voltage swing of LVDS driver insufficient for SFP spec          |          | 09/02/2022 03:27 PM |  |
| 4433 | OsmoGGSN (former OpenGGSN)      | Feature | New     | Normal   | sgsnemu: Add support for IPv4v6 EUAs   |          | 03/04/2020 10:44 AM |  |
| 2694 | OsmocomBB                       | Bug     | New     | Normal   | SIGSEGV in lapdm code  |          | 11/30/2017 08:45 AM | Related to #2694   |
| 3964 | OsmoSGSN                        | Bug     | New     | Normal   | SIGSEGV in sndcp_sm_deactivate_ind()   |          | 10/10/2019 07:11 PM | Related to #3964,Related to #4221,Related to #4602                               |
| 5738 | Misc Hardware Projects          | Bug     | New     | Normal   | Sim 800L module Connectivity   |          | 11/02/2022 06:55 PM |  |
| 6029 | Core testing infrastructure     | Bug     | New     | Normal   | Single TTCN3 BSC handover test fails   |          | 10/18/2023 05:31 PM |  |
| 2799 | linmodem                        | Feature | New     | Normal   | SIP client support   |          | 01/01/2020 08:05 PM |  |
| 1587 | OsmoSGSN                        | Feature | Stalled | Normal   | SMS over GPRS support  |          | 11/25/2018 08:14 PM | Related to #3587   |
| 2414 | OsmoNITB                        | Bug     | New     | Normal   | SMSC: deliverSM message with no user_message_reference                             |          | 08/15/2017 05:53 PM | Related to #2413,Related to #2414  |
| 1511 | UmTRX                           | Feature | New     | Normal   | Solve Tx and Rx I/Q imbalance for wideband signals                                 |          | 02/19/2016 10:52 PM |  |

| #    | Project               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues |
|------|-----------------------|---------|--------|----------|---|----------|---------------------|----------------|
| 4490 | IMSI Pseudonymization | Feature | New    | Normal   | Specification: how would IMSI-pseudo interact within a combined (2G-4G)+5G network? |          | 04/16/2020 08:44 AM |                |
| 4489 | IMSI Pseudonymization | Feature | New    | Normal   | Specification: mark mandatory parts / implementation details as such                |          | 04/16/2020 08:44 AM |                |

...