

## Issues

| #    | Project  | Tracker | Status      | Priority  | Subject  | Assignee  | Updated             | Related issues  |
|------|--|---------|-------------|-----------|--|-----------|---------------------|---|
| 5683 | Osmocom Libraries                              | Bug     | New         | Immediate | How to install osmocom in China  |           | 09/18/2022 10:18 AM |   |
| 6096 | OsmoGGSN (former OpenGGSN)                     | Feature | In Progress | Urgent    | add support for kernel-GTP IPv6  | osmith    | 03/25/2024 12:10 PM | Related to #6096,Related to #6106,Related to #6096,Blocks #6096     |
| 5861 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | In Progress | Urgent    | extend charon with external authentication interface                               | lynxis    | 02/07/2024 04:00 PM | Related to #5868  |
| 3819 | gr-osmosdr                                     | Support | New         | Urgent    | OSMO SDR blocks for GNUradio   |           | 02/28/2019 06:00 PM |   |
| 5574 | OsmoBSCNAT                                     | Bug     | New         | Urgent    | OsmoBSCNAT testsuite running in jenkins  | Hoernchen | 10/06/2022 11:46 AM | Related to #5574  |
| 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  |
| 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 |   |
| 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 |
| 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 |   |
| 2409 | OsmocomBB                                      | Feature | Stalled     | High      | Add GPRS support to virt_phy and L1CTL   | fixeria   | 08/19/2022 03:06 PM |   |
| 2166 | OP25   | Feature | New         | High      | Add support for Max's I/Q 455khz downconverter                                     |           | 04/22/2017 04:15 PM |   |
| 1458 | OsmocomBB                                      | Bug     | New         | High      | AGC broken (strong cell cannot be synced   | tnt       | 07/18/2019 06:10 AM | Related to #3582  |
| 6337 | OsmocomBB                                      | Bug     | New         | High      | bad fr audio with gapk/ms-sdr  |           | 01/22/2024 09:21 PM | Related to #6337  |
| 5516 | OsmoTRX  | Feature | In Progress | High      | BladeRF 2.0 Support  | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430   |
| 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                  |
| 5057 | OsmoMSC  | Bug     | New         | High      | Can only send a maximum of 15 SMPP messages?                                       | Hoernchen | 09/15/2021 09:53 AM |   |

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| 3734 | gr-osmosdr                      | Bug     | New      | High     | Cannot compile gr-osmocom   |           | 12/16/2018 12:22 AM |  |
| 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 |  |
| 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 |
| 1510 | UmTRX                           | Feature | New      | High     | Complete UHD integration  | ipse      | 02/21/2016 04:47 PM |  |
| 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 |  |
| 3379 | SIMtrace 2                      | Bug     | Stalled  | High     | documentation on how to use SIMtrace2   | laforge   | 11/14/2022 05:31 PM | Related to #3379                                   |
| 4771 | OsmoBTS                         | Bug     | Stalled  | High     | Don't log NOTICE messages on missing uplink bursts  | fixeria   | 11/16/2021 03:05 PM |  |
| 5571 | Ericsson RBS 6xxx               | Bug     | New      | High     | DUG can come up, but with Avail: "Power Off"  | dexter    | 11/08/2022 05:10 PM |  |
| 1560 | OsmoPCU                         | Feature | New      | High     | EDGE benchmarking / performance optimization / tuning   |           | 01/08/2020 10:31 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 |  |
| 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                  |
| 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 |  |
| 6169 | osmo-e1d                        | Bug     | New      | High     | Frame masking against network frame ordering, not frame numbers   | laforge   | 10/18/2023 03:19 PM |  |
| 4522 | osmo-gbproxy                    | Feature | Stalled  | High     | gbproxy: Redundancy within proxy pair   | daniel    | 07/09/2021 06:43 PM |  |
| 4781 | osmo-qcdiag                     | Bug     | New      | High     | get hoernchen/gsmtd branch merged   | Hoernchen | 10/06/2020 03:18 PM |  |
| 4605 | OsmoSGSN                        | Bug     | New      | High     | GMM_ATTACH_REQ_FSM: Event E_AUTH_RESP_RECV_SUCCESS not permitted  | lynxis    | 06/13/2020 06:16 PM | Related to #4605                                   |
| 4312 | OsmoHLR                         | Bug     | New      | High     | GSUP keepalives / connection loss detection   |           | 10/12/2020 02:42 PM |  |
| 2604 | Cellular Network Infrastructure | Feature | Stalled  | High     | GSUP-to-DIAMETER converter / IWF  | laforge   | 02/29/2020 11:27 AM | Related to #5646                                   |

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|------|------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 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 #3659,Related to #3783 |
| 2172 | OP25                   | Bug     | New         | High     | HDU often missing in captures   |          | 04/22/2017 04:14 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 |  |
| 6436 | OsmoPCU                | Bug     | New         | High     | high cpu usage, entire BTS unresponsive after some hours                                  | keith    | 04/13/2024 04:32 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   |
| 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 |  |
| 1478 | Mobile (in)Security    | Bug     | New         | High     | IMSI DETACH DoS   |          | 09/02/2019 09:00 AM |  |
| 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  |
| 5731 | gr-osmosdr             | Bug     | New         | High     | Install gr-osmosdr on Ubuntu 20.04  |          | 10/27/2022 01:39 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  |
| 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  |
| 4383 | pySim                  | Bug     | Stalled     | High     | Jenkins build verification is non-deterministic   | dexter   | 04/06/2021 04:58 PM | Related to #4384,Related to #5127  |
| 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  |
| 5480 | Open Source IMS Client | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango  | laforge  | 03/25/2022 10:44 AM |  |

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|------|--|---------|-------------|----------|--|-----------|---------------------|--|
| 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 |  |
| 4830 | OsmoMSC  | Bug     | In Progress | High     | LU reject when no authentication data in HLR but "authentication optional"                                 | neels     | 10/10/2022 02:03 PM |  |
| 5349 | OsmoSGSN   | Bug     | In Progress | High     | Message for non-existing SNDSCP Entity   |           | 07/17/2023 04:42 PM |  |
| 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                                   |
| 3399 | OsmocomBB  | Feature | Stalled     | High     | mobile: refactor / finish external MNCC handler implementation   | fixeria   | 10/04/2018 09:07 PM |  |
| 2955 | OsmoSGSN   | Bug     | New         | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error  | lynxis    | 09/10/2019 07:39 PM |  |
| 1505 | UmTRX  | Bug     | New         | High     | OHM4 footprint incorrect   |           | 02/19/2016 10:52 PM |  |
| 6290 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | In Progress | High     | Organize OsmoDevCon 2024   | laforge   | 03/06/2024 12:06 PM |  |
| 6091 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Bug     | Feedback    | High     | osmo-epdg: Implement CEAI interface (GSUP) ePDG <> strongswan  | lynxis    | 03/14/2024 04:36 PM |  |
| 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     |
| 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                      |
| 4829 | OsmocomBB  | Bug     | Stalled     | High     | OsmocomBB Rx bit errors in dedicated mode  | laforge   | 02/06/2021 09:11 AM | Related to #4832                                   |
| 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 |
| 2622 | OsmoBSC  | Support | Stalled     | High     | Prepare automatic interop testing of OsmoBSC against NG40 core simulator + osmo-bts-virtual + mobile       |           | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555 |
| 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                  |
| 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                  |
| 2173 | OP25   | Feature | New         | High     | Remove dependency on ET++  |           | 04/22/2017 04:14 PM |  |

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|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 2155 | OP25                            | Feature | New         | High     | Replace FSK4 demodulation with IQ demodulator stage.  |          | 04/22/2017 04:16 PM |  |
| 3977 | OsmoCBC                         | Feature | New         | High     | SABP stream delineation routines  | laforge  | 09/23/2019 04:49 AM | Related to #3979,Related to #4944  |
| 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  |
| 5921 | SIMtrace 2                      | Bug     | In Progress | High     | simtrace2 cardem vs. Linux kernel USB autosuspend   | laforge  | 09/16/2023 10:47 PM | Related to #5921   |
| 5392 | OsmocomDECT                     | Bug     | New         | High     | Sliding collision errors  |          | 01/09/2022 12:44 PM |  |
| 3717 | OsmoHLR                         | Bug     | Stalled     | High     | SS/USSD: fix SS session inactivity timeout  | fixeria  | 12/05/2018 08:45 PM |  |
| 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 |
| 5256 | OsmoBTS                         | Feature | New         | High     | support for random padding in LAPDm downlink messages   |          | 10/12/2021 11:17 AM | Related to #5256   |
| 6294 | OsmoSGSN                        | Feature | New         | High     | Support GN/Gp interoperation procedures between SGSN and MME  | daniel   | 04/19/2024 07:39 PM | Related to #6294   |
| 5144 | gr-osmosdr                      | Bug     | New         | High     | Support multiple Airspy devices   | horiz0n  | 10/21/2023 07:22 PM |  |
| 5257 | OsmoBTS                         | Bug     | New         | High     | support random padding in SACCH downlink messages   |          | 10/12/2021 11:18 AM | Related to #5257   |
| 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 |  |
| 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 |  |
| 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  |
| 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   |
| 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   |
| 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 |  |
| 2175 | OP25                            | Feature | New         | High     | Update code for GNURadio 3.6 and later  |          | 04/22/2017 04:14 PM |  |

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| 4578 | Cellular Network Infrastructure | Bug     | New         | High     | Updated slides / presentations / videos on setting up Osmocom CNI   | laforge   | 02/13/2021 05:35 PM |                                   |
| 1474 | SDR (Software Defined Radio)    | Bug     | New         | High     | USB Claim Interface Error   | steve-m   | 02/20/2016 08:23 PM |                                   |
| 4916 | osmo-e1d                        | Bug     | Stalled     | High     | USB unplug / replug renders e1d unusable  | laforge   | 12/04/2023 12:34 PM | Related to #5983                  |
| 2171 | OP25                            | Feature | New         | High     | Use libfftw3 for IFFT/FFT functions.  |           | 04/22/2017 04:14 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 |                                   |
| 1483 | Mobile (in)Security             | Bug     | New         | High     | USSD state is not reset when switching cells  |           | 02/21/2016 04:34 PM |                                   |
| 4940 | OsmoBSC                         | Feature | Stalled     | High     | VAMOS support in OsmoBSC  | neels     | 08/11/2021 02:47 PM | Related to #4941                  |
| 5527 | osmo-remsim                     | Bug     | Stalled     | High     | warn on duplicate client (id) connections   | laforge   | 07/13/2022 01:25 PM | Related to #5527                  |
| 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 |
| 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 |
| 4653 | SDR (Software Defined Radio)    | Bug     | New         | Normal   | cannot import name 'fosphor'  |           | 07/07/2020 02:39 AM |                                   |
| 4447 | OsmoMGW                         | Bug     | New         | Normal   | DSCP value should be a 6 bit field  | osmith    | 03/09/2020 04:50 PM | Related to #4447                  |
| 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 |                                   |
| 5153 | OsmoHNBGW                       | Feature | In Progress | Normal   | support hnbgw co-located GTP-U proxy (UPF)  | neels     | 11/15/2022 09:54 AM | Related to #5154,Related to #5153 |
| 4857 | osmo-clock-gen                  | Bug     | Stalled     | Normal   | FLV9001IDBVR no longer in stock ag digikey  | mschramm  | 04/10/2021 10:22 PM |                                   |
| 6233 | libosmocore                     | Bug     | Feedback    | Normal   | --enable-embedded build fails if pkg-config can't find some of the (disabled) dependencies                          | Hoernchen | 11/24/2023 04:15 PM |                                   |
| 4265 | libosmocore                     | Bug     | New         | Normal   | --enable-embedded doesn't work as expected  |           | 11/12/2019 11:18 AM |                                   |
| 5918 | osmo-fl2k                       | Bug     | New         | Normal   | -flto broken in release   | steve-m   | 12/20/2023 08:43 PM |                                   |
| 4700 | libosmocore                     | Bug     | Feedback    | Normal   | 'socket' C test fails when there is no IPv6   | neels     | 03/24/2021 12:33 PM |                                   |
| 5422 | SIMtrace 2                      | Feature | In Progress | Normal   | "cardem" continuous testing setup   | laforge   | 01/27/2022 12:22 PM | Related to #5422                  |
| 4367 | rtl-sdr                         | Support | New         | Normal   | "Communications Toolbox Support Package for RTL-SDR Radio" from "Mathworks Matlab" appears to be with broken links? | steve-m   | 01/21/2020 08:52 PM |                                   |
| 4464 | libosmo-abis                    | Bug     | In Progress | Normal   | "osmo_rtp_socket_poll(): ERROR!" messages during normal osmo-bts usage  | laforge   | 02/06/2021 02:27 PM | Related to #4467                  |

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| 6019 | OsmoBSC  | Bug     | New      | Normal   | "PCU version PCU socket has LOST connection connected"                                      | fixeria   | 10/18/2023 05:42 PM |  |
| 4468 | OsmoTRX  | Bug     | Feedback | Normal   | "RSSI offset" default of 0 is not useful  | Hoernchen | 10/14/2020 02:40 PM | Related to #4468,Related to #4468,Related to #4583                                   |
| 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 |  |
| 6431 | OsmoHNBGW  | Bug     | New      | Normal   | (coverity) uninitialized asn.1 state / overwriting asn.1 state in HNBAP                     | neels     | 04/04/2024 11:08 PM |  |
| 5202 | OsmocomBB  | Bug     | New      | Normal   | [Assert failed rc >= 0  1ctl.c:83] cell_log crashes (mostly) when monitoring specific ARFCN |           | 07/25/2021 01:38 PM |  |
| 4098 | gr-osmosdr   | Bug     | New      | Normal   | [BladeRF micro] Arguments set in osmocom Sink and Source are not passed to libbladerf       | horiz0n   | 07/18/2019 05:35 AM |  |
| 6291 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New      | Normal   | 2024 event bringing together FOSS projects related to mobile communications                 | laforge   | 12/13/2023 08:54 PM |  |
| 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 |  |
| 5242 | OsmoBTS  | Bug     | Stalled  | Normal   | A-bis/RSL: CRCX ACK indicates '0.0.0.0' as the local/bind address                           | fixeria   | 05/01/2022 01:15 PM |  |
| 4249 | osmo-remsim  | Feature | New      | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem                         | laforge   | 09/08/2021 07:48 PM | Related to #5216   |
| 5839 | OsmoGSMTester  | Feature | New      | Normal   | Ability to switch off the osmo-trx machine  | pespin    | 12/20/2022 05:43 PM |  |
| 1526 | OsmoPCU  | Feature | Stalled  | Normal   | Acquire/update timing advance (TA)  | fixeria   | 03/25/2021 12:04 PM | Related to #1545,Related to #1531,Related to #1524,Related to #3472,Related to #2977 |
| 2615 | OsmoGSMTester  | Bug     | New      | Normal   | Add API to check GPS lock in BTS  |           | 11/03/2017 05:00 PM |  |
| 4650 | OsmoBSC  | Feature | New      | Normal   | Add BIG FAT error message in case OM2000 BTS fail to start up                               | laforge   | 07/04/2020 07:30 PM |  |
| 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 |  |
| 5662 | OsmoUPF  | Feature | New      | Normal   | add Linux kernel options to manual  |           | 08/24/2022 03:13 PM |  |
| 4727 | libosmocore  | Feature | Feedback | Normal   | Add more distro/platform/archs to jenkins CI  | laforge   | 05/15/2023 09:48 AM | Is duplicate of #4789  |
| 3038 | multi-voltage USB UART                                 | Feature | New      | Normal   | Add mounting holes?   |           | 03/07/2018 02:12 AM |  |
| 6132 | OsmocomBB  | Feature | New      | Normal   | Add MS_GPRS_Tests to osmo-ttcn3-hacks   | fixeria   | 10/04/2023 10:29 PM | Related to #6132   |

| #    | Project  | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|----------|----------|---|----------|---------------------|-----------------------------------|
| 3711 | SIMtrace 2                                     | Feature | New      | Normal   | Add screw holes for permanent installations   | mschramm | 11/01/2023 08:28 PM |                                   |
| 6231 | OsmoTRX  | Feature | New      | Normal   | add support / calibration values for AntSDR E200  | roh      | 10/21/2023 03:25 PM |                                   |
| 6396 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback | Normal   | add support for auth failure with resync  | lynxis   | 03/11/2024 10:19 AM |                                   |
| 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 |
| 1908 | osmo-qcdiag                                    | Feature | New      | Normal   | add VTY interface to osmo-qcdiag  | laforge  | 01/12/2017 01:15 PM |                                   |
| 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 |
| 3644 | OsmoHLR  | Feature | New      | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR  | neels    | 12/01/2019 10:02 AM | Related to #3644,Related to #3644 |
| 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 |                                   |
| 5247 | Osmocom Analog                                 | Bug     | New      | Normal   | AMPS Segmentation fault   | jolly    | 10/04/2021 11:48 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                  |
| 5809 | Cellular Network Infrastructure                | Bug     | Feedback | Normal   | applications disrespect potentially VTY-configured tcp/telnet port  | osmith   | 10/31/2023 09:34 AM |                                   |
| 3458 | OsmocomBB SDR PHY                              | Bug     | Stalled  | Normal   | apps/grgsm_trx: [ERROR] [STREAMER] recv packet demuxer unexpected sid 0xXX  |          | 07/09/2023 07:48 PM | Related to #3692                  |



| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 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 |  |
| 6119 | pySim                                 | Bug     | In Progress | Normal   | aram_get_config runs into an exception on a sysmocomSJA2                                   | laforge  | 12/05/2023 05:26 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 |  |
| 5938 | Retrocomputing                        | Feature | In Progress | Normal   | assemble "fake parallel printer"   | laforge  | 09/13/2023 09:32 AM |  |
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New         | Normal   | authentication in TDMoIP protocol  | laforge  | 11/07/2022 05:29 PM |  |
| 5891 | osmo-remsim                           | Bug     | New         | Normal   | bankd: potential pthread deadlock reported by coverity                                     | laforge  | 02/03/2023 07:35 PM |  |
| 1990 | OsmocomBB                             | Bug     | Feedback    | Normal   | bb nand flash  | yangkokk | 07/10/2017 10:22 PM |  |
| 6217 | OsmoMSC                               | Bug     | Feedback    | Normal   | Bearer Capability mismatch in MT SETUP   | neels    | 10/10/2023 10:17 PM |  |
| 5694 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled     | Normal   | BERT testing   | laforge  | 12/31/2022 08:24 PM |  |
| 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 |
| 5632 | Core testing infrastructure           | Bug     | In Progress | Normal   | better test result summary / notifications   | lynxis   | 08/31/2022 11:58 AM |  |
| 5758 | OsmoDia2GSUP                          | Feature | New         | Normal   | bring osmo_dia2gsup to production quality  | lynxis   | 03/30/2023 08:13 PM |  |
| 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 |  |
| 5188 | Cellular Network Infrastructure       | Bug     | New         | Normal   | BSSMAP Cell Identifier IE vs. Cell Identifier List IE: difference in allowed cell id types | neels    | 08/23/2022 04:24 PM |  |
| 5843 | OsmoBSC                               | Bug     | New         | Normal   | BTS features aren't reset after oml drop   |          | 12/22/2022 09:27 PM |  |
| 4801 | OsmoBTS                               | Bug     | Stalled     | Normal   | BTS_Tests.TC_tch_sign_l2_fill_frame_dtxd fails   | fixeria  | 11/15/2023 08:32 AM | Related to #4801,Related to #5474  |
| 3512 | gr-osmosdr                            | Support | New         | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails  | horiz0n  | 01/26/2019 06:10 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 |  |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee   | Updated             | Related issues                                     |
|------|---------------------------------------|---------|-------------|----------|--|------------|---------------------|--|
| 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 |  |
| 6152 | OsmoMSC                               | Bug     | In Progress | Normal   | built-in MNCC: forward the @Low layer compatibility I@ IE to the called subscriber       | jolly      | 12/20/2023 12:52 PM | Related to #6152                                   |
| 5305 | OsmocomBB                             | Bug     | New         | Normal   | Burst capture  |            | 11/10/2021 06:38 PM |  |
| 3735 | OsmoMSC                               | Bug     | Stalled     | Normal   | call arriving during another call has no voice   | neels      | 06/18/2019 09:18 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 |  |
| 5403 | OsmoMSC                               | Feature | New         | Normal   | Can't connect Call from 2G to 4G network   | laforge    | 01/14/2022 10:41 PM |  |
| 4325 | gr-osmosdr                            | Bug     | New         | Normal   | can't open hackrf_sink with device index   |            | 12/13/2019 09:18 AM |  |
| 3855 | gr-osmosdr                            | Bug     | New         | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8  | horiz0n    | 07/13/2020 10:05 PM |  |
| 3882 | gr-osmosdr                            | Bug     | New         | Normal   | Cannot compile gr-osmosdr!   | horiz0n    | 07/18/2019 05:35 AM |  |
| 6372 | OsmocomBB SDR PHY                     | Bug     | New         | Normal   | Cant connect to BS using cell_log and mobile   |            | 02/22/2024 07:13 AM |  |
| 5464 | SIMtrace 2                            | Bug     | In Progress | Normal   | cardem firmware unable to attach to card   | laforge    | 11/18/2022 06:41 PM | Related to #5464                                   |
| 5415 | SIMtrace 2                            | Bug     | New         | Normal   | cardem: watchdog triggers firmware reset   | lynxis     | 02/15/2022 08:07 PM |  |
| 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 |  |
| 5171 | OsmocomBB                             | Bug     | Feedback    | Normal   | ccch_scan failed   | thor123    | 06/09/2021 12:06 AM |  |
| 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                                   |
| 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 |  |
| 1911 | SIMtrace 2                            | Feature | New         | Normal   | check if we can have an enclosed version of simtrace v2                                  | tsaitgaist | 09/13/2018 12:40 PM |  |

| #    | Project                         | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|---------|----------|--|----------|---------------------|---|
| 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 |   |
| 5122 | OsmoPCU                         | Feature | New     | Normal   | Choose SBA allocation offset based on AGCH queue load in the BTS                           | pespin   | 04/20/2021 12:51 PM | Related to #5122  |
| 4867 | OsmoPCU                         | Bug     | Stalled | Normal   | Cinterion BGS2T failing to attach (no Attach Complete ever sent)                           | pespin   | 11/30/2020 09:48 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 |   |
| 3622 | libosmo-abis                    | Bug     | New     | Normal   | Clear API mess in sign_link_up callback  | pespin   | 10/02/2018 07:34 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 |   |
| 6196 | OsmoMGW                         | Bug     | New     | Normal   | Codec negotiation failure false positives  | dexter   | 12/07/2023 06:25 AM | Related to #6293  |
| 5570 | libosmocore                     | Bug     | New     | Normal   | coding: decode in-band data in AMR's special DTX frames (SID_FIRST, SID_UPDATE, SID_ONSET) | fixeria  | 05/24/2022 08:34 AM | Related to #5570  |
| 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 |   |
| 6148 | OsmoDia2GSUP                    | Bug     | New     | Normal   | config file not installed not used by systemd service in debian                            | pespin   | 10/18/2023 03:21 PM |   |
| 1623 | OsmoSMSC                        | Feature | New     | Normal   | Configure delivery report for the SMPP delivery links                                      | zecke    | 02/24/2016 01:49 PM |   |
| 4885 | libosmocore                     | Bug     | New     | Normal   | configure doesn't check for python3  |          | 12/02/2020 03:36 AM |   |
| 5749 | Cellular Network Infrastructure | Bug     | New     | Normal   | configure.ac: default CFLAGS, LT_INIT adds "-g -O2"  | fixeria  | 01/31/2023 08:12 PM |   |
| 5308 | OsmoBSC                         | Bug     | Stalled | Normal   | confusion around mgw e1 line vs trunk dichotomy  | dexter   | 12/13/2021 03:52 PM |   |
| 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  |
| 1545 | OsmoPCU                         | Feature | Stalled | Normal   | continuous timing advance loop using PTCCH   | fixeria  | 03/24/2020 09:49 PM | Related to #1545,Related to #4102,Related to #4500,Blocks #1545 |
| 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  |

| #    | Project                                      | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 3521 | libosmocore                                  | Feature | New         | Normal   | core/utills: engineering notation helpers  | fixeria  | 09/04/2018 08:32 PM |                                   |
| 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                  |
| 5466 | OsmocomBB                                    | Feature | New         | Normal   | CP2102N evaluation for burst_ind baudrate  | laforge  | 02/22/2022 07:17 PM |                                   |
| 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 |                                   |
| 4365 | OsmoTRX                                      | Support | Stalled     | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load                       | dexter   | 09/03/2020 10:33 AM | Related to #4366                  |
| 4366 | OsmoTRX                                      | Bug     | New         | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load (w/ RACH correlation) | pespin   | 01/15/2020 01:59 PM | Related to #4366                  |
| 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 |
| 3672 | Osmocom Analog                               | Feature | New         | Normal   | Custom announcement and tones  | jolly    | 02/01/2021 10:25 AM |                                   |
| 6434 | E1/T1 Hardware Interface (including icE1usb) | Support | New         | Normal   | D-channel do not recover after underrun  |          | 04/07/2024 09:07 AM |                                   |
| 6317 | pySim  | Bug     | Stalled     | Normal   | data driven tests for TLV decoders   | laforge  | 02/15/2024 09:21 PM |                                   |
| 6265 | pySim  | Feature | New         | Normal   | decode numeric SW in case of errors  | dexter   | 12/11/2023 01:01 PM |                                   |
| 4376 | Cellular Network Infrastructure              | Feature | New         | Normal   | Define distinct X timer numbers across all osmo programs                                     |          | 01/23/2020 09:21 PM |                                   |
| 3285 | OsmoPCU                                      | Feature | New         | Normal   | design + implement tools to analyze inter-PCU cell changes                                   | daniel   | 02/06/2021 11:12 AM | Related to #3284                  |
| 4030 | OsmocomBB                                    | Feature | In Progress | Normal   | design breakout board for GTM900-B   | mschramm | 01/05/2024 08:00 AM | Related to #4575,Related to #4610 |
| 3636 | OsmoMSC                                      | Feature | New         | Normal   | detailed call statistics (with rate counters)  | osmith   | 10/08/2018 11:14 AM | Related to #3636                  |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 5760 | Core testing infrastructure           | Feature | Stalled     | Normal   | Develop TTCN-3 test suite for MME  | dexter   | 10/04/2023 01:51 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 |                                   |
| 5657 | OsmoDia2GSUP                          | Bug     | Feedback    | Normal   | dia2gsup not (re-)connecting to HLR if osmo-hlr is down  | lynxis   | 11/11/2023 06:20 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 |                                   |
| 6356 | libosmo-sccp + libosmo-sigtran        | Bug     | New         | Normal   | DLGLOBAL ERROR Trying to dispatch event 17 to non-existent FSM instance! (osmo_ss7_as.c:118)   | pespin   | 02/08/2024 10:27 PM |                                   |
| 4844 | OsmoPCU                               | Bug     | Feedback    | Normal   | do not resent DL assignment on RACH  | lynxis   | 07/28/2023 02:44 PM |                                   |
| 4427 | rtl-sdr                               | Bug     | New         | Normal   | docker + rtl_sdr issue   |          | 02/29/2020 01:16 PM |                                   |
| 5929 | Cellular Network Infrastructure       | Feature | In Progress | Normal   | document current (milestones of) nlnet funded projects; mention nlnet funding  | laforge  | 04/04/2023 10:05 AM |                                   |
| 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 |                                   |
| 5774 | OsmoBTS                               | Bug     | Feedback    | Normal   | Drop pcu_sock conn if queue length grows up to a given threshold   | jolly    | 12/17/2023 12:59 PM |                                   |
| 5685 | Cellular Network Infrastructure       | Bug     | Feedback    | Normal   | Dropping debian 10 (buster)  | osmith   | 04/04/2023 10:10 AM | Related to #5685,Related to #5685 |
| 1549 | OsmoPCU                               | Feature | New         | Normal   | DRX support for GPRS   |          | 02/04/2017 08:11 AM | Related to #1942                  |
| 4268 | Distributed GSM                       | Bug     | In Progress | Normal   | duplicate SMS when SMPP handler sends back to the originating MSC  | neels    | 06/08/2020 03:11 PM |                                   |
| 4551 | OsmoMGW                               | Feature | New         | Normal   | Dynamic/runtime allocation of new endpoints  |          | 05/14/2020 10:56 PM |                                   |
| 6386 | Core testing infrastructure           | Bug     | In Progress | Normal   | eclipse-titan 9.0.0 not building in debian unstable  | osmith   | 03/04/2024 02:10 PM |                                   |
| 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 |                                   |
| 5550 | pySim                                 | Bug     | New         | Normal   | EF.ARR file decoding would need to be context dependent  | chrysn   | 06/24/2022 08:50 AM |                                   |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|----------|---|----------|---------------------|-----------------------------------|
| 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-{systemo,trx} |          | 12/01/2019 10:52 AM |                                   |
| 5002 | M.2 (NGFF) WWAN modem USB breakout board       | Feature | New         | Normal   | Ensure current return paths via M.2 connector are sufficient                                    | mschramm | 03/23/2021 06:48 PM |                                   |
| 5442 | OCTOI - Osmocom Community TDM over IP          | Feature | New         | Normal   | ensure sequence number covers longer duration than default PRI LOS timer                        | laforge  | 02/06/2022 08:16 AM |                                   |
| 6435 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | epdg: fix inter-UE traffic  | lynxis   | 04/08/2024 06:55 PM |                                   |
| 5586 | OsmoBSC  | Feature | New         | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart                              |          | 06/21/2022 10:23 PM | Related to #5983                  |
| 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 |                                   |
| 5665 | Core testing infrastructure                    | Bug     | Stalled     | Normal   | ERROR: files left in build directory after distclean: ./tests/core                              | fixeria  | 11/14/2023 12:39 PM | Related to #5665,Related to #5858 |
| 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 gsm_subscriber_conn state machine                  |          | 09/04/2019 09:21 AM |                                   |
| 5855 | Retronetworking                                | Feature | New         | Normal   | Establishing a German non-profit for retronetworking  | laforge  | 01/13/2023 11:59 AM |                                   |
| 4167 | OsmoMSC  | Bug     | Feedback    | Normal   | Event VLR_ULA_E_ID_IMEISV not permitted   | osmith   | 09/04/2019 08:13 PM |                                   |
| 6349 | Cellular Network Infrastructure                | Bug     | Feedback    | Normal   | example configs missing in release tarballs   | fixeria  | 01/29/2024 04:04 PM |                                   |
| 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 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 |                                   |
| 5691 | libosmo-abis                                   | Feature | Stalled     | Normal   | Expose DAHDI statistics to prometheus   | laforge  | 01/05/2023 06:06 PM |                                   |
| 5503 | OsmocomBB                                      | Feature | Feedback    | Normal   | expose GPRS user plane via tun device   | pespin   | 08/28/2023 10:38 PM | Related to #6115                  |
| 3886 | osmo-remsim                                    | Feature | New         | Normal   | expose ICCID or even IMSI of all cards on remsim-server   | laforge  | 05/08/2019 03:31 PM | Precedes #3886                    |

| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------------|---------|-------------|----------|---|----------|---------------------|---|
| 2781 | OsmoBSC                               | Feature | Feedback    | Normal   | Extend OsmBSC TTCN-3 test coverage regarding resource leaks                     | neels    | 03/25/2022 05:56 AM | Related to #2781,Related to #2781,Related to #5355,Related to #5337 |
| 3054 | OsmoTRX                               | Feature | Stalled     | Normal   | Extended (11-bit) RACH support in OsmoTRX                                       | tnt      | 02/03/2019 11:45 AM | Related to #1854,Related to #3054,Related to #3054,Related to #4006 |
| 3653 | OsmocomBB                             | Bug     | New         | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX                |          | 10/22/2018 02:37 PM | Related to #5518  |
| 4621 | OsmoBSC                               | Support | New         | Normal   | feedback: osmo-bsc modifies the LAI in LU Accept messages, and the MM info data | neels    | 02/06/2021 09:50 AM |   |
| 5681 | Retronetworking                       | Bug     | New         | Normal   | Figure out suitable connectors for EKSOS  | laforge  | 07/31/2023 10:22 AM |   |
| 6239 | libosmo-sccp + libosmo-sigtran        | Feature | New         | Normal   | finally deprecate libosmo-sccp (headers, static lib)                            |          | 10/31/2023 07:31 PM |   |
| 4692 | Core testing infrastructure           | Feature | Stalled     | Normal   | finally implement testing of the actual voice audio path                        | laforge  | 04/19/2021 06:27 PM |   |
| 4430 | SIMtrace 2                            | Bug     | New         | Normal   | firmware can get in endless out-of-memory loop on OUT EP flood                  | laforge  | 11/14/2022 11:46 PM |   |
| 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 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 |   |
| 5991 | OsmoBSC                               | Bug     | New         | Normal   | Forward TSNS-PROV bsc->[bts->]pcu   | jolly    | 12/17/2023 12:59 PM | Related to #5991  |
| 5433 | OCTOI - Osmocom Community TDM over IP | Bug     | New         | Normal   | forwarding of TS0 / Alarms  |          | 01/30/2022 11:02 AM |   |
| 5757 | OsmoDia2GSUP                          | Feature | Feedback    | Normal   | functional test suite for osmo_dia2gsup   | lynxis   | 09/06/2023 02:48 PM |   |
| 1942 | OsmoSGSN                              | Bug     | Feedback    | Normal   | Gb: implement paging in case of MM state == STANDBY && rx DL PDU                |          | 01/08/2020 10:48 PM | Related to #1942,Related to #4222                                   |
| 4746 | libosmcore                            | Bug     | New         | Normal   | gb: NS2: implement a NSE based logfilter  |          | 11/14/2020 08:42 AM |   |
| 4520 | osmo-gbproxy                          | Feature | In Progress | Normal   | gbproxy: Redundancy between NS-VCs (BSS Side)                                   | lynxis   | 02/19/2021 04:50 PM | Related to #4520  |
| 4521 | osmo-gbproxy                          | Feature | New         | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)                                  | laforge  | 01/19/2021 05:24 PM | Related to #4959  |
| 4891 | osmo-gbproxy                          | Bug     | Stalled     | Normal   | gbproxy2: Implement processing of BVC-Flow-Control via BVC FSM                  | daniel   | 10/25/2021 05:51 AM | Related to #4891  |

| #    | Project                               | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------------|---------|----------|----------|---|----------|---------------------|---|
| 4897 | osmo-gbproxy                          | Bug     | New      | Normal   | gbproxy2: Re-introduce handling of NS_AFF_CAUSE_FAILURE                           | daniel   | 03/10/2021 02:49 PM | Related to #4897,Related to #4952,Related to #5040                  |
| 5764 | Cellular Network 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 duplicate of #1987                              |
| 3227 | Cellular Network Infrastructure       | Feature | New      | Normal   | general idea: separate GSUP spec document   | roh      | 12/01/2019 09:26 AM | Is duplicate of #3227   |
| 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 |   |
| 4600 | OsmoSGSN                              | Bug     | Feedback | Normal   | gmm_fsm{CommonProcedureInitiated}: Event E_GMM_COMMON_PROC_INIT_REQ not permitted | lynxis   | 06/08/2020 06:08 PM | Related to #4604  |
| 4601 | OsmoSGSN                              | Bug     | Feedback | Normal   | gmm_fsm{Registered.SUSPENDED}: Event E_GMM_COMMON_PROC_INIT_REQ not permitted     | lynxis   | 06/08/2020 06:11 PM | Related to #4604  |
| 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 mode       |          | 01/08/2020 10:45 PM | Related to #2400,Related to #3284                                   |
| 5505 | OsmocomBB                             | Feature | New      | Normal   | GPRS mobility (cell change) support   |          | 07/01/2022 06:24 AM | Related to #5505  |
| 5179 | libosmocore                           | Bug     | New      | Normal   | gprs_ns2: use refcounting for the NSE   | lynxis   | 06/13/2021 03:08 AM |   |
| 5883 | OCTOI - Osmocom Community TDM over IP | Bug     | New      | Normal   | GPS sync sometimes goes to hold over  | tnt      | 01/30/2023 02:18 PM | Related to #5885  |
| 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 |   |
| 3462 | gr-osmosdr                            | Bug     | New      | Normal   | gr-osmosdr installation bladerf conversion errors                                 | horiz0n  | 07/18/2019 05:35 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 |   |



| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 2514 | GSM Audio Pocket Knife                | Bug     | Stalled     | Normal   | GSM HR encoding result does not match the reference  | fixeria  | 04/03/2019 08:37 AM |  |
| 5504 | OsmocomBB                             | Feature | New         | Normal   | GSM/GPRS coordination (RR/GRR)   |          | 05/23/2023 12:31 PM | Related to #5504                                   |
| 4842 | libosmocore                           | Bug     | In Progress | Normal   | gsm0408 test fails on several architectures  | neels    | 08/23/2022 04:38 PM |  |
| 2705 | OsmocomBB                             | Bug     | New         | Normal   | GSM48_MMR_NREG_REQ followed by GSM48_MMR_REG_REQ don't attach to the network                   |          | 12/03/2017 09:50 PM |  |
| 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 |  |
| 6212 | Linux Kernel GTP-U                    | Bug     | In Progress | Normal   | GTP extension headers  | pespin   | 10/18/2023 03:03 PM | Related to #6223                                   |
| 1667 | OsmoNITB                              | Feature | New         | Normal   | Handle callref better  |          | 09/04/2019 09:31 AM | Related to #3294                                   |
| 2795 | OsmoMSC                               | Feature | New         | Normal   | Handle UTRAN_CLSM_CHG in MSC   | neels    | 04/30/2018 12:06 PM | Related to #3043                                   |
| 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 |  |
| 3637 | OsmoBSC                               | Bug     | Feedback    | Normal   | handover decision 2: properly check available codecs   | neels    | 10/09/2018 09:45 AM | Related to #3637,Related to #3637                  |
| 3483 | OsmoBSC                               | Feature | New         | Normal   | handover decision: if rxlev is ok but rxqual is bad, move from TCH/H to TCH/F                  | neels    | 10/16/2018 01:53 PM | Related to #3483                                   |
| 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 |  |
| 6282 | OCTOI - Osmocom Community TDM over IP | Bug     | New         | Normal   | high BERT from laforge->divf->manawyrn   | manawyrn | 12/03/2023 04:03 PM | Related to #6282                                   |
| 5904 | OsmoHNBGW                             | Feature | New         | Normal   | HNBAP Register Request handling does checks that seem to make no sense                         | neels    | 09/01/2023 05:00 AM |  |

| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues                                 |
|------|---------------------------------------|---------|-------------|----------|---|-----------|---------------------|--|
| 5230 | OsmoHNBGW                             | Bug     | In Progress | Normal   | hnbgw fails to connect to the sgsn  | lynxis    | 10/14/2021 07:50 AM |  |
| 5867 | OsmoHNBGW                             | Feature | New         | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                        |           | 01/21/2023 02:30 AM |  |
| 3002 | OsmoBSC                               | Bug     | New         | Normal   | HO2: handover decision for dynamic timeslots  | neels     | 10/28/2020 08:46 PM | Related to #1606,Related to #1608,Blocks #3002 |
| 4810 | osmo-clock-conv                       | Feature | New         | Normal   | horizontal DC input on rear side of PCB   | mschramm  | 10/15/2020 10:53 PM |  |
| 5050 | OsmoTRX                               | Bug     | New         | Normal   | How can I solve limesdr mini clock problem with osmocomb ?                                |           | 02/27/2021 01:55 PM |  |
| 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                               |
| 5917 | libosmo-sccp + libosmo-sigtran        | Feature | Feedback    | Normal   | immediately detect SCTP SHUTDOWN in SCCP link / in SCCP user / in active SCCP connections | neels     | 03/20/2023 10:23 AM |  |
| 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 |  |
| 4072 | libosmo-sccp + libosmo-sigtran        | Bug     | New         | Normal   | Implement IPA PING/PONG mechanism in libosmo-sigtran +                                    | Hoernchen | 06/21/2019 02:51 PM | Related to #4072                               |
| 4070 | OsmoBSC                               | Bug     | Stalled     | Normal   | Implement IPA PING/PONG mechanism on RSL and OML  | osmith    | 09/30/2020 08:13 PM | Related to #5785                               |
| 4922 | OsmoBSC                               | Feature | In Progress | Normal   | Implement MS Power Control  | keith     | 11/04/2021 06:37 PM |  |
| 4161 | OsmoGGSN (former OpenGGSN)            | Bug     | New         | Normal   | Implement pdp idle timer  | pespin    | 08/20/2019 06:30 PM | Related to #4161                               |
| 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 |  |
| 6135 | OsmoHLR                               | Feature | Stalled     | Normal   | Implement routing of SMS-over-GSUP messages between connected MSC/VLRs and SMSCs          | falconia  | 01/09/2024 01:11 PM | Related to #6312                               |
| 4041 | SIMtrace 2                            | Bug     | New         | Normal   | implement SIMTRACE_CMD_BD_BOARD_INFO  | laforge   | 12/06/2019 01:38 PM | Related to #4041                               |
| 6036 | OsmoBTS                               | Feature | New         | Normal   | Implement ternary SID classification for HR1 uplink                                       |           | 05/17/2023 09:48 PM | Related to #6036,Related to #6036              |
| 5283 | OsmoTRX                               | Feature | New         | Normal   | Implement TRXDv2 support  | fixeria   | 10/27/2021 10:35 PM | Related to #5283                               |
| 3620 | OsmoMSC                               | Feature | Stalled     | Normal   | Implement TTCN-3 testsuite for Inter-MSC HO   | neels     | 09/04/2019 09:08 AM |  |

| #    | Project            | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 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 |                                   |
| 2724 | OsmoBSC            | Feature | New    | Normal   | Improve default timers   | laforge  | 01/04/2018 11:06 AM | Related to #2724                  |
| 1997 | OsmoHNBGW          | Feature | New    | Normal   | Improve error check at compilation time  |          | 10/21/2021 04:28 PM |                                   |
| 6158 | OsmoHNBGW          | Bug     | New    | Normal   | IMSI not shown in "show ue all"  | lynxis   | 08/29/2023 03:11 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 |                                   |
| 3414 | gr-osmosdr         | Feature | New    | Normal   | Include Airspy serial number in connection string.                                       | horiz0n  | 07/24/2018 04:52 AM |                                   |
| 1460 | SIMtrace 2         | Feature | New    | Normal   | include some version information / negotiation in the USB protocol                       | laforge  | 12/06/2019 01:39 PM | Related to #1461,Related to #4041 |
| 6316 | pySim              | Feature | New    | Normal   | include test data in user manual   |          | 12/23/2023 03:10 PM |                                   |
| 2383 | OsmoPCU            | Bug     | New    | Normal   | incompatibility with some SGSNs during P-TMSI allocation                                 | laforge  | 07/04/2018 12:50 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 |                                   |
| 6413 | rtl-sdr            | Bug     | New    | Normal   | Incorrect Debian/Debian-like binary packages   | steve-m  | 03/22/2024 05:09 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 |                                   |
| 1689 | OsmoSMSC           | Feature | New    | Normal   | insert: Change destination number based on criteria similiar to route handling on output | zecke    | 04/06/2016 12:18 PM |                                   |
| 1690 | OsmoSMSC           | Bug     | New    | Normal   | Insert: Generate message ID (e.g. UUID)  | zecke    | 04/06/2016 12:26 PM |                                   |
| 6323 | OP25               | Bug     | New    | Normal   | Install script is broken on Ubuntu 23.10   |          | 01/05/2024 07:54 PM |                                   |
| 3656 | OsmoBSC            | Feature | New    | Normal   | inter-BSC handover outgoing: compose Cell Identifier List from several ARFCN+BSIC        | neels    | 06/08/2020 07:08 PM | Related to #3656                  |
| 4560 | OsmoBSC            | Bug     | New    | Normal   | inter-BSC HO: target cell fails when there is no TCH, only dynamic TCH/F_PDCH timeslots  | neels    | 05/20/2020 09:00 PM |                                   |
| 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 |                                   |
| 3069 | OsmoMSC            | Feature | New    | Normal   | investigate multiple CM Service Request on the same conn                                 | neels    | 10/28/2020 08:36 PM | Is duplicate of #3069             |
| 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 |  |
| 6137 | OsmoHNBGW                                    | Feature | New         | Normal   | ip.access Nano3G  | lynxis   | 10/21/2023 07:24 PM |  |
| 5378 | erlang/osmo_ss7                              | Bug     | New         | Normal   | ipa: add support for client application   | laforge  | 01/05/2022 08:36 PM |  |
| 6377 | erlang/osmo_ss7                              | Bug     | Feedback    | Normal   | ipa: Failure decoding ipa frames split between several tcp packets                            | pespin   | 02/28/2024 03:00 PM |  |
| 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                                     |
| 4498 | osmo-uecups                                  | Feature | New         | Normal   | IPv6 neighbor discovery   | laforge  | 04/17/2020 08:33 AM |  |
| 5490 | E1/T1 Hardware Interface (including icE1usb) | Bug     | Feedback    | Normal   | ISO IN urb sometimes completes with less than full data / incomplete frame                    | tnt      | 09/15/2022 12:34 PM |  |
| 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 |
| 5276 | SIMtrace 2                                   | Feature | Stalled     | Normal   | jenkins CI integration like for osmo-ccid-firmware  | roh      | 11/14/2022 05:24 PM | Related to #5422                                   |
| 4384 | pySim  | Feature | Stalled     | Normal   | Jenkins program-read verification on daily (or weekly) basis                                  | dexter   | 03/27/2023 04:13 PM | Related to #4384                                   |
| 6232 | libosmocore                                  | Bug     | New         | Normal   | jenkins should give all libosmocore config options a try                                      | osmith   | 10/22/2023 04:16 PM |  |
| 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 |
| 4731 | libosmocore                                  | Bug     | Stalled     | Normal   | LAPDm does not implement SAPI priorities between data link layers                             | fixeria  | 08/28/2020 11:21 AM | Related to #4731,Related to #4731                  |
| 6422 | OsmoBSC                                      | Bug     | Feedback    | Normal   | latest: BSC_Tests.TC_ctrl_location started fo fail on March 15th                              | fixeria  | 04/02/2024 06:56 PM |  |
| 5712 | OsmoBSC                                      | Bug     | New         | Normal   | LCLS FSM; Not possible to get out from NO_LONGER_LS   | dexter   | 10/18/2022 09:03 AM | Related to #5712                                   |
| 5896 | libosmo-abis                                 | Bug     | Feedback    | Normal   | libosmo-abis built without --enable-e1d in deb and rpm packages                               | laforge  | 02/07/2023 11:40 AM | Blocks #5896                                       |
| 5356 | libosmo-abis                                 | Bug     | New         | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                      |          | 12/13/2021 12:50 PM |  |

| #    | Project                        | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues  |
|------|--------------------------------|---------|-------------|----------|--|-----------|---------------------|---|
| 6136 | OsmoMGW                        | Feature | Stalled     | Normal   | libosmo-mgcp-client should ignore unknown codecs in SDP  | jolly     | 12/07/2023 06:27 AM | Related to #6136,Related to #6177,Blocks #6136                      |
| 5313 | OsmoMGW                        | Bug     | New         | Normal   | libosmo-mgcp-client-dbg specific package not generated for debian  |           | 11/16/2021 03:57 PM |   |
| 6240 | libosmo-sccp + libosmo-sigtran | Bug     | Feedback    | Normal   | libosmo-sigtran doesn't reject M3UA with "M3UA Network Appearance"   | daniel    | 10/31/2023 02:56 PM | Related to #6241  |
| 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 |   |
| 5178 | OsmoTRX                        | Bug     | New         | Normal   | LimeNET Micro clock error  | Hoernchen | 09/15/2021 09:42 AM |   |
| 4637 | OsmoTRX                        | Bug     | New         | Normal   | limesdr usb gain setting changes break gsm phasenoise constraints  |           | 06/29/2020 04:43 PM |   |
| 5824 | osmo-e1d                       | Bug     | Feedback    | Normal   | Line dead message in the log after start   | laforge   | 12/25/2023 01:43 PM |   |
| 4593 | OP25                           | Support | New         | Normal   | Link to samples on the wiki is dead  | matt      | 06/07/2020 06:53 PM |   |
| 1543 | OsmoPCU                        | Feature | New         | Normal   | link/rate adaption as per spec   |           | 01/08/2020 10:43 PM | Related to #1543,Related to #1543                                   |
| 6153 | OsmoHNodeB                     | Support | Feedback    | Normal   | List of supported FemtoCell  | Kira      | 08/28/2023 02:24 PM |   |
| 6125 | OsmocomBB                      | Bug     | New         | Normal   | LLC GIA/GEA (auth/encryption) not yet tested   | pespin    | 08/28/2023 10:32 PM |   |
| 5509 | OsmoSGSN                       | Bug     | New         | Normal   | llc/pdu lifetime: add vty config option to define default lifetime   |           | 03/31/2022 04:11 PM |   |
| 1504 | UmTRX                          | Feature | New         | Normal   | LMS6002 phase error increases when Rx is enabled and varies with temperature                               | ttsou     | 02/19/2016 10:52 PM |   |
| 3747 | UmTRX                          | Feature | New         | Normal   | LMS6002D RX Gain Control   | ipse      | 01/08/2019 09:46 AM |   |
| 5338 | OsmoBTS                        | Bug     | New         | Normal   | LMSDevice.cpp:261 Power parameters requested before Tx Frequency was set! Providing band 900 by default... |           | 12/09/2021 11:42 PM |   |
| 5614 | osmo-remsim                    | Feature | New         | Normal   | log also application-level errors  | laforge   | 07/11/2022 08:09 PM |   |
| 6089 | pySim                          | Feature | Feedback    | Normal   | log the current file / operation during execution of a script  | laforge   | 11/27/2023 04:37 PM |   |
| 4604 | OsmoSGSN                       | Bug     | New         | Normal   | Lots of "Unusual event"  | lynxis    | 06/13/2020 06:19 PM | Related to #4604,Related to #4604,Related to #4604,Related to #4604 |
| 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 |   |
| 5900 | OsmoUPF                        | Feature | In Progress | Normal   | make sure chain ids used in the tunmap nft ruleset are unused  |           | 02/09/2023 05:34 PM |   |
| 6324 | OsmoBSC                        | Bug     | New         | Normal   | Making a data call results in BORKEN Ichans  | osmith    | 01/05/2024 09:04 PM |   |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|--|-----------|---------------------|-----------------------------------|
| 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 |                                   |
| 6162 | libosmocore                           | Bug     | Feedback    | Normal   | master build failure with clang-16   | Hoernchen | 11/18/2023 09:17 AM |                                   |
| 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 |                                   |
| 6171 | OsmoMGW                               | Feature | In Progress | Normal   | mgcp-client API: there should be a separate mgcp_codec_param for each codec in mgcp_msg.codecs[] | dexter    | 11/01/2023 04:15 PM | Related to #6171                  |
| 3371 | SIMtrace 2                            | Feature | New         | Normal   | migrate to use arm-none-eabi build of libosmocore.git  | laforge   | 08/09/2018 12:14 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                  |
| 3929 | OsmoPCU                               | Bug     | New         | Normal   | Missing PCU_Tests.ttcn link adaptation tests   | pespin    | 06/17/2020 08:32 AM | Related to #3929                  |
| 4225 | OP25                                  | Support | New         | Normal   | Missing rules in cmake lists?  | 2CS350    | 10/12/2019 02:49 PM |                                   |
| 5025 | OsmoBTS                               | Feature | New         | Normal   | Missing TTCN-3 coverage for the Timing Advance loop  | fixeria   | 07/02/2021 04:28 PM |                                   |
| 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                  |
| 6115 | OsmocomBB                             | Feature | Feedback    | Normal   | modem: MTU not set properly on tun iface   | pespin    | 12/08/2023 05:48 PM | Related to #6115,Related to #6298 |
| 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 |                                   |
| 4951 | osmo-gbproxy                          | Feature | In Progress | Normal   | more TTCN3 tests for SGSN pooling  | daniel    | 07/08/2021 08:36 PM | Related to #4951,Related to #4952 |
| 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 |                                   |
| 6103 | Linux Kernel GTP-U                    | Feature | Feedback    | Normal   | move from 1:1 relationship of UDP socket and net-device to a N:M relationship                    | pablo     | 10/06/2023 10:49 AM | Related to #6106                  |
| 1506 | UmTRX                                 | Feature | New         | Normal   | Move to the latest stable UHD  | ipse      | 02/21/2016 04:47 PM |                                   |

| #    | Project | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues |
|------|---------|---------|--------|----------|---|----------|---------------------|----------------|
| 1577 | OsmoBTS | Bug     | New    | Normal   | mph_send_config_logchpar doesn't update encryption config |          | 02/23/2016 03:39 PM |                |

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