

## Issues

| #    | Project                         | Tracker | Status   | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|----------|----------|--|----------|---------------------|-----------------------------------|
| 3589 | rtl-sdr                         | Bug     | New      | Normal   | Zerocopy Buffers Unusable Outside Callback Without memcpy()                                    |          | 09/25/2018 12:58 PM |                                   |
| 2797 | linmodem                        | Bug     | New      | Normal   | X11 support is 16bit plane only  |          | 05/07/2022 11:34 PM |                                   |
| 2995 | OsmocomBB                       | Bug     | New      | Normal   | Wrong parsing of PAGING TYPE 3   |          | 02/24/2018 11:03 PM | Related to #2994                  |
| 3724 | osmo-sip-connector              | Bug     | New      | Normal   | Wrong media format used in SIP INVITE causes one-way audio                                     |          | 12/11/2018 02:57 PM | Related to #3724,Related to #5177 |
| 1898 | OsmoBTS                         | Bug     | Feedback | Low      | Wrong handover detection with l1sap on wrong ss=0/ts=0   |          | 11/07/2017 09:54 PM |                                   |
| 1759 | OsmoPCU                         | Bug     | Stalled  | High     | Wrong calculation of DL window size for DL assignment  |          | 01/22/2020 04:01 PM | Related to #1533,Related to #1524 |
| 6438 | libosmocore                     | Bug     | New      | Normal   | write_config_file() calls blocking sync()  |          | 04/26/2024 09:15 AM |                                   |
| 2827 | OsmoBTS                         | Feature | New      | Low      | would be nice if logging of the BTS number in osmo-bts matched the BTS number used in osmo-bsc |          | 06/23/2018 06:48 PM |                                   |
| 4869 | OsmoPCU                         | Bug     | New      | Normal   | wireshark: Support dissecting LLC frames on top of RLCMAC (E)GPRS data blocks                  |          | 06/26/2023 11:03 AM | Related to #5367                  |
| 3126 | SDR (Software Defined Radio)    | Bug     | New      | Low      | Windows 10 Pro 1709: crash of rtl_test.exe   |          | 03/30/2018 02:16 PM |                                   |
| 21   | OsmoNITB                        | Bug     | New      | Low      | we don't see CHANNEL ReQired from motorola EZX phones at call setup                            |          | 03/05/2018 07:36 PM |                                   |
| 5011 | Core testing infrastructure     | Bug     | New      | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types                               |          | 02/05/2021 11:21 AM |                                   |
| 5029 | libosmocore                     | Bug     | New      | Normal   | vty: optional cases with multiple arguments is undefined behaviour                             |          | 02/18/2021 05:44 PM |                                   |
| 6440 | libosmocore                     | Bug     | Feedback | Normal   | VTY: 'write file' breaks 'show startup-config'   |          | 04/26/2024 04:23 AM |                                   |
| 6380 | OsmoHNBGW                       | Bug     | New      | Normal   | VTY transcript tests are broken [again]  |          | 02/28/2024 06:57 PM |                                   |
| 1768 | OsmoSGSN                        | Bug     | Stalled  | Low      | VTY show llc displays State TLLI Unassigned permanently  |          | 01/08/2020 10:52 PM |                                   |
| 5834 | OsmoPCU                         | Feature | New      | Normal   | VTY option "two-phase-access" is misleading  |          | 12/19/2022 06:55 PM |                                   |
| 6243 | Cellular Network Infrastructure | Feature | New      | Low      | vty cfg: make changing startup defaults of applications backwards compatible                   |          | 11/01/2023 07:06 PM |                                   |
| 4451 | OsmoMSC                         | Bug     | New      | Normal   | vty 'show stats level': different stats levels yield identical results                         |          | 03/09/2020 10:10 PM |                                   |
| 5482 | Open Source IMS Client          | Feature | New      | Normal   | VoWiFi client for creating [outer] IPsec tunnel to ePDG  |          | 03/07/2022 09:33 PM | Related to #5482                  |
| 4790 | OsmoHNBGW                       | Feature | New      | Low      | Vodafone HSPA+ femtocell available in Deutschland  |          | 03/09/2024 07:08 PM |                                   |
| 1974 | OsmoMSC                         | Feature | New      | Low      | VLR: high water mark on subscriber storage   |          | 05/15/2022 01:45 PM | Related to #1973                  |
| 1973 | OsmoMSC                         | Feature | New      | Low      | VLR: efficient subscriber lookup   |          | 07/18/2019 06:15 AM | Related to #1973                  |
| 6348 | OsmocomBB                       | Feature | New      | Normal   | virtphy: add Circuit Switched Data (CSD) support   |          | 01/26/2024 10:03 PM | Related to #6348                  |
| 5304 | OsmoHNBGW                       | Bug     | New      | Low      | Verizon CDMA femtocell   |          | 03/09/2024 07:09 PM |                                   |

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| 3224 | OsmoSGSN                              | Bug     | New    | Normal   | verify ciphering after UMTS AKA   |          | 01/08/2020 10:48 PM | Related to #3193,Related to #3224 |
| 4303 | OsmoHLR                               | Bug     | New    | Low      | various minor issues about evaluation of rc = db_subscr_get_by_*( )                 |          | 12/03/2019 11:02 PM |                                   |
| 2801 | linmodem                              | Feature | New    | Normal   | V.90 completion   |          | 01/01/2018 12:18 PM |                                   |
| 1483 | Mobile (in)Security                   | Bug     | New    | High     | USSD state is not reset when switching cells  |          | 02/21/2016 04:34 PM |                                   |
| 6441 | OsmoSGSN                              | Bug     | New    | Normal   | use-after-free on RAU with invalid Old RAI  |          | 04/22/2024 01:23 PM | Related to #6441                  |
| 2000 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | use m3ua-testtool for the ASP-side verification                                     |          | 07/18/2019 05:42 AM |                                   |
| 5766 | libosmo-abis                          | Feature | New    | Low      | use Linux kernel KCM for IPA header?  |          | 11/13/2022 08:15 AM | Related to #5766                  |
| 2171 | OP25                                  | Feature | New    | High     | Use libfftw3 for IFFT/FFT functions.  |          | 04/22/2017 04:14 PM |                                   |
| 1579 | OsmoBTS                               | Feature | New    | Low      | Use epoll   |          | 01/15/2021 01:44 PM |                                   |
| 5435 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | use DNS to resolve the server   |          | 04/05/2022 08:20 PM |                                   |
| 1678 | SDR (Software Defined Radio)          | Bug     | New    | Normal   | Use -undefined dynamic_lookup when using Python and building on Mac OS X            |          | 03/30/2016 11:25 PM |                                   |
| 1518 | UmTRX                                 | Feature | New    | Normal   | Upper limit of the clock is too low   |          | 02/19/2016 10:52 PM |                                   |
| 5547 | OsmoBSC                               | Feature | New    | Low      | upon emergency call, from the MSC-pool pick an MSC that allows emergency calling    |          | 04/25/2022 05:49 AM |                                   |
| 4632 | OsmoMSC                               | Feature | New    | Normal   | update the cell id in the VLR when receiving BSSMAP HANDOVER PERFORMED from the BSC |          | 06/24/2020 12:35 PM | Related to #4632                  |
| 4633 | OsmoMSC                               | Feature | New    | Normal   | update the Cell ID in the VLR after an inter-BSC / inter-MSC handover               |          | 06/24/2020 12:40 PM |                                   |
| 2175 | OP25                                  | Feature | New    | High     | Update code for GNURadio 3.6 and later  |          | 04/22/2017 04:14 PM |                                   |
| 4749 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Normal   | Unknown/Unimplemented PCO Protocol  |          | 02/09/2022 01:26 PM |                                   |
| 3531 | OP25                                  | Bug     | New    | Normal   | Unknown status of the p25 wireshark plugin  |          | 10/06/2022 05:52 AM |                                   |
| 3741 | osmo-sip-connector                    | Bug     | New    | Normal   | Unknow call parameters shown in vty   |          | 12/28/2018 02:01 PM |                                   |
| 1902 | OsmoBTS                               | Feature | New    | Low      | unify/refactor dynamic timeslot code  |          | 01/08/2020 10:56 PM | Related to #1902,Related to #3099 |
| 1926 | OsmoBTS                               | Feature | New    | Low      | unify *_mgr code  |          | 07/18/2019 06:08 AM |                                   |
| 3845 | libosmocore                           | Feature | New    | Low      | Unified logging in Gb NS / BSSGP code   |          | 03/16/2019 02:33 PM |                                   |
| 4206 | Qualcomm Linux Modems by Quectel & Co | Support | New    | Urgent   | Unbrick cpe router without web ui interface and terminal                            |          | 02/22/2021 02:01 PM |                                   |
| 3817 | SDR (Software Defined Radio)          | Bug     | New    | Normal   | Unable to use fosphor display on Ubuntu 18.10                                       |          | 02/26/2019 06:56 PM |                                   |
| 2216 | gr-osmosdr                            | Bug     | New    | Normal   | uhd: LO offset doesn't seem to work properly  |          | 06/03/2018 12:08 PM |                                   |

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|------|--|---------|---------|----------|---|----------|---------------------|------------------|
| 4886 | OsmoSGSN   | Bug     | New     | Normal   | UE does not connect data when moving from 2G->3G  |          | 12/04/2020 01:29 AM |                  |
| 1517 | UmTRX  | Feature | New     | Normal   | U_FL (UMC) connectors are not reliable after few connections                                    |          | 02/19/2016 10:52 PM |                  |
| 3596 | gr-osmosdr   | Feature | New     | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |                  |
| 5814 | OsmoUPF  | Feature | New     | Normal   | tunmap: more concisely match on GTP-U packets   |          | 12/06/2022 07:30 PM |                  |
| 4103 | libosmocore  | Feature | New     | Low      | TUAK support as per 3GPP TS 35.231  |          | 03/24/2021 12:33 PM |                  |
| 6411 | Cellular Network Infrastructure                        | Bug     | Stalled | Normal   | ttn3: execute testsuites with a more realistic link performance                                 |          | 04/03/2024 06:25 PM |                  |
| 6427 | OsmoMSC  | Bug     | New     | Normal   | ttn3-msc-test: TC_mo_ussd_for_unknown_trans fails sporadically                                  |          | 04/02/2024 03:01 PM | Related to #6427 |
| 4033 | OsmoGGSN (former OpenGGSN)                             | Feature | New     | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management                            |          | 05/30/2019 03:19 PM |                  |
| 4990 | OsmoBSC  | Feature | New     | Low      | TTCN3 test for AMR MultiRate IEs in RR and RSL  |          | 07/02/2021 04:34 PM |                  |
| 3731 | OsmoMGW  | Bug     | New     | Normal   | TTCN3 TC_rtpem_selftest randomly fails  |          | 01/08/2020 10:18 PM |                  |
| 3939 | OsmoSGSN   | Bug     | New     | Normal   | TTCN: do a GMM Attach Request when in GMM Connected and have a PDP Request                      |          | 04/24/2019 08:25 AM |                  |
| 3940 | OsmoSGSN   | Bug     | New     | Normal   | TTCN-3: lu: test UMTS Auth  |          | 04/24/2019 08:24 AM |                  |
| 3670 | Cellular Network Infrastructure                        | Feature | New     | Low      | TTCN-3 tests for statsd exporter code   |          | 09/04/2019 09:03 AM |                  |
| 4189 | OsmoBSC  | Feature | New     | Low      | TTCN-3 tests for load-based hand-over in BSC  |          | 09/04/2019 09:10 AM | Related to #4189 |
| 3424 | OsmocomBB SDR PHY                                      | Feature | Stalled | Normal   | Transceiver: implement automatic TX delay measurement   |          | 07/09/2023 07:46 PM |                  |
| 1815 | Qualcomm Linux Modems by Quectel & Co                  | Feature | New     | Normal   | tool for building binary ipk from .list/.control  |          | 10/02/2016 05:06 AM |                  |
| 5393 | OsmocomDECT  | Bug     | New     | High     | tipc problems while building on Ubuntu  |          | 01/09/2022 12:48 PM |                  |
| 4538 | OsmoBSC  | Bug     | New     | Normal   | timeslot_fsm.c: make the PDCH act/deact timeout configurable                                    |          | 05/09/2020 08:20 PM | Related to #4539 |
| 2292 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New     | Normal   | Time with community users during OsmoCon  |          | 05/25/2017 03:03 PM |                  |
| 4308 | Distributed GSM  | Support | New     | High     | thoughts about incorporating credit / billing in D-GSM  |          | 12/04/2019 04:08 PM |                  |
| 3243 | OsmoBSC  | Bug     | New     | Normal   | there is MGW config for each separate 'msc', but the MGW settings are stored only once globally |          | 05/07/2018 03:10 PM |                  |
| 1516 | UmTRX  | Feature | New     | Normal   | There are no port to control external equipment like PA   |          | 02/19/2016 10:52 PM |                  |
| 5985 | Cellular Network Infrastructure                        | Bug     | New     | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@   |          | 03/29/2023 08:09 PM |                  |
| 2318 | OsmoGSMTester  | Feature | New     | Normal   | testing sysmobts: skip copying of binaries when the same are already installed                  |          | 06/07/2017 03:55 PM |                  |
| 2225 | OsmoGSMTester  | Feature | New     | Low      | tester nitb: connect ctrl interface only once   |          | 05/15/2017 12:58 PM |                  |

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| 4240 | OsmoMSC                         | Bug     | In Progress | Normal   | test: incoming call when already Paging   |          | 11/27/2019 11:09 PM |  |
| 4418 | OsmocomBB                       | Feature | New         | Normal   | test-sim: support all libosmocore algorithms (comp128 v1, v2, v3; MILENAGE)               |          | 02/26/2020 11:41 PM |  |
| 4612 | OsmoMSC                         | Support | New         | Normal   | test handover on non-voice call conn (no CC transaction present)                          |          | 06/14/2020 12:21 PM |  |
| 6242 | Core testing infrastructure     | Feature | New         | Normal   | Test eUPF against ttcn3-upf-test setup  |          | 12/18/2023 11:33 AM |  |
| 2436 | OsmoHNBGW                       | Feature | New         | Low      | Test cases for asn1c APER encoding  |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 3479 | OsmoBSC                         | Feature | New         | Normal   | test "every single failure" in osmo-bsc FSMs  |          | 08/20/2018 11:15 AM | Related to #3479                                   |
| 5669 | Cellular Network Infrastructure | Bug     | New         | Normal   | Test .deb packages built by our OBS   |          | 09/21/2022 01:03 PM | Related to #5669,Related to #5669                  |
| 2567 | OsmoHLR                         | Feature | New         | Low      | tell the MSC(s) when subscriber data has changed  |          | 10/11/2017 01:50 AM |  |
| 3401 | OsmocomBB                       | Bug     | New         | Normal   | target/firmware/l1ctl: both chan_nr and link_id are not set for L1CTL_DATA_CONF           |          | 07/16/2018 11:56 PM |  |
| 4863 | OsmoMSC                         | Bug     | New         | Low      | T3212 is unclear in config/vty  |          | 11/19/2020 06:10 PM |  |
| 2382 | OsmoBSC                         | Bug     | New         | Normal   | T3105 not consistently communicated to all BTS models                                     |          | 03/05/2018 07:02 PM |  |
| 4822 | osmo-ccid-firmware              | Bug     | Stalled     | Low      | sysmoOCTSIM with osmo-ccid-firmware sometimes fails to enumerate on USB                   |          | 11/05/2021 05:19 PM |  |
| 5310 | osmo-ccid-firmware              | Bug     | New         | Normal   | sysmoOCTSIM does not re-enumerate after unplug/replug the USB cable when PSU is connected |          | 11/15/2021 05:13 PM |  |
| 57   | OsmoBTS                         | Bug     | New         | Low      | sysmobts L1 is not properly closed, DSP firmware reload is required                       |          | 03/01/2018 11:16 PM | Related to #57                                     |
| 2437 | OsmoHNBGW                       | Bug     | New         | Low      | synchronize different asn1c APER forks  |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 5692 | Cellular Network Infrastructure | Feature | New         | Low      | switch to C99 standard flexible arrays instad of gcc-specific zero-length arrays          |          | 09/29/2022 05:59 AM |  |
| 3732 | OsmoHLR                         | Feature | New         | Low      | Support tacdb query in HLR  |          | 07/18/2019 06:12 AM | Related to #3732                                   |
| 5321 | osmo-remsim                     | Feature | New         | Low      | support SAP of u-blox AT+USAPMODE   |          | 11/22/2021 10:37 AM |  |
| 5320 | osmo-remsim                     | Feature | New         | Low      | support SAP of Telit AT#RSEN  |          | 11/22/2021 10:38 AM |  |
| 1571 | OsmoBTS                         | Feature | New         | Low      | Support RTP multiplexing instead of per-call RTP streams                                  |          | 02/23/2016 03:32 PM |  |
| 5257 | OsmoBTS                         | Bug     | New         | High     | support random padding in SACCH downlink messages   |          | 10/12/2021 11:18 AM | Related to #5257                                   |

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| 1794 | OsmoSGSN                              | Bug     | Stalled | Normal   | support random IV for GEA (via XID)   |          | 03/01/2018 11:17 PM | Related to #1910,Related to #1672,Related to #2843,Blocks #1794,Blocks #1582 |
| 2546 | OsmoMGW                               | Feature | New     | Low      | support play-out/announcement endpoint type                                     |          | 10/06/2017 12:30 PM |  |
| 2651 | OsmoMGW                               | Feature | New     | Low      | Support MGCP Piggybacking   |          | 11/18/2017 05:44 PM |  |
| 5156 | OsmoBSC                               | Feature | New     | Low      | Support intraBSC handover between distinct BTS types                            |          | 11/04/2021 06:27 PM |  |
| 4717 | OsmoMSC                               | Feature | New     | Normal   | support Handover with changing codec  |          | 08/18/2020 05:14 PM | Related to #4717   |
| 3207 | OsmoMGW                               | Feature | New     | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"                   |          | 04/24/2018 03:53 PM |  |
| 5256 | OsmoBTS                               | Feature | New     | High     | support for random padding in LAPDm downlink messages                           |          | 10/12/2021 11:17 AM | Related to #5256   |
| 4979 | OsmoBSC                               | Feature | New     | Low      | Support for parsing incoming BSSMAP LOAD INDICATION                             |          | 01/27/2021 02:41 PM | Related to #4979,Related to #4980  |
| 5307 | Ericsson RBS 6xxx                     | Feature | New     | Normal   | Support for Multiple Sectors at an RBS site.                                    |          | 11/13/2021 08:20 PM |  |
| 3606 | OsmoSTP                               | Feature | New     | Normal   | Support for multiple NI (network indicator)                                     |          | 10/03/2018 08:58 AM |  |
| 4981 | OsmoBSC                               | Feature | New     | Low      | Support for generating BSSMAP RESOURCE INDICATION                               |          | 01/27/2021 03:02 PM | Related to #4982   |
| 4978 | OsmoBSC                               | Feature | New     | Low      | Support for generating BSSMAP LOAD INDICATION                                   |          | 01/27/2021 02:40 PM | Related to #4979,Related to #4980  |
| 3607 | OsmoSTP                               | Feature | New     | Normal   | Support for capability point codes  |          | 10/03/2018 08:58 AM |  |
| 3609 | OsmoSTP                               | Feature | New     | Low      | Support for C-Link  |          | 10/03/2018 08:58 AM |  |
| 4982 | OsmoMSC                               | Feature | New     | Low      | Support for BSSMAP RESOURCE INDICATION  |          | 01/27/2021 03:01 PM | Related to #4982   |
| 4473 | OsmoBTS                               | Feature | New     | Low      | Support for broadcast of MOCN related SI21/22/23                                |          | 03/29/2020 07:39 PM | Related to #4473   |
| 3469 | OsmoMSC                               | Feature | New     | Low      | Support for "service category" in emergency calls                               |          | 08/24/2018 12:48 PM | Related to #3470   |
| 3689 | OsmoSGSN                              | Bug     | New     | Normal   | Support Cisco GGSN (Cisco 7200 with IOS 12.4.x)                                 |          | 04/09/2019 11:21 AM |  |
| 38   | OsmoNITB                              | Bug     | New     | Normal   | subscr_update should sync database before dispatching the signal                |          | 03/05/2018 07:34 PM |  |
| 1688 | libosmo-sccp + libosmo-sigtran        | Feature | New     | Low      | SUA: support N-STATE indication primitives for connect and disconnect events    |          | 04/08/2018 07:59 AM |  |
| 5427 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Low      | STUN/TURN/ICE for peer-to-peer connections                                      |          | 01/30/2022 10:43 AM |  |
| 72   | OsmoNITB                              | Bug     | New     | Low      | struct gsm_call can leak..  |          | 05/09/2016 07:37 PM |  |
| 3812 | libosmo-netif                         | Bug     | Stalled | Normal   | stream_test fails depending on where it is run                                  |          | 03/13/2019 04:15 PM |  |
| 5544 | OCTOI - Osmocom Community TDM over IP | Bug     | New     | Normal   | Strange HDLC frames in PPP when using mISDN/pppd/capiplugin against Portmaster3 |          | 04/23/2022 01:50 PM |  |
| 18   | OsmoNITB                              | Feature | New     | Low      | store last location identity to database  |          | 05/24/2018 01:15 PM |  |

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| 4226 | Retronetworking                 | Feature | New     | Low      | STM-1 / USB interface?   |          | 01/30/2022 10:14 AM |  |
| 6388 | libosmocore                     | Feature | New     | Normal   | stats_reporter via osmo_io / io_uring?   |          | 03/02/2024 04:54 PM | Related to #6388                                   |
| 2839 | Cellular Network Infrastructure | Bug     | New     | Low      | statistics split between 2G and 3G   |          | 07/18/2019 05:22 AM |  |
| 3445 | OsmoMSC                         | Feature | Stalled | Normal   | SS/USSD: clean up the local GSM 04.80 API  |          | 12/14/2018 01:57 PM |  |
| 3033 | OsmoTRX                         | Feature | New     | Low      | Split wiki page into multiple smaller pages  |          | 03/05/2018 11:28 AM |  |
| 2186 | libosmocore                     | Feature | New     | Low      | split libosmocrypto  |          | 10/05/2017 06:25 AM |  |
| 4489 | IMSI Pseudonymization           | Feature | New     | Normal   | Specification: mark mandatory parts / implementation details as such   |          | 04/16/2020 08:44 AM |  |
| 4490 | IMSI Pseudonymization           | Feature | New     | Normal   | Specification: how would IMSI-pseudo interact within a combined (2G-4G)+5G network?  |          | 04/16/2020 08:44 AM |  |
| 1511 | UmTRX                           | Feature | New     | Normal   | Solve Tx and Rx I/Q imbalance for wideband signals   |          | 02/19/2016 10:52 PM |  |
| 2414 | OsmoNITB                        | Bug     | New     | Normal   | SMSC: deliverSM message with no user_message_reference   |          | 08/15/2017 05:53 PM | Related to #2413,Related to #2414                  |
| 2373 | OsmoMSC                         | Bug     | New     | Low      | SMS sent to old Nokia 1100: "message 0x332/1" causes CP-ERROR, and SMS is received 5 or more times                                       |          | 08/03/2018 05:22 PM |  |
| 1587 | OsmoSGSN                        | Feature | Stalled | Normal   | SMS over GPRS support  |          | 11/25/2018 08:14 PM | Related to #3587                                   |
| 6321 | OsmoMSC                         | Bug     | New     | Low      | SMS not delivered from corrupted SMS database  |          | 01/02/2024 01:07 PM |  |
| 5392 | OsmocomDECT                     | Bug     | New     | High     | Sliding collision errors   |          | 01/09/2022 12:44 PM |  |
| 2799 | linmodem                        | Feature | New     | Normal   | SIP client support   |          | 01/01/2020 08:05 PM |  |
| 6029 | Core testing infrastructure     | Bug     | New     | Normal   | Single TTCN3 BSC handover test fails   |          | 10/18/2023 05:31 PM |  |
| 5738 | Misc Hardware Projects          | Bug     | New     | Normal   | Sim 800L module Connectivity   |          | 11/02/2022 06:55 PM |  |
| 3964 | OsmoSGSN                        | Bug     | New     | Normal   | SIGSEGV in sndcp_sm_deactivate_ind()   |          | 10/10/2019 07:11 PM | Related to #3964,Related to #4221,Related to #4602 |
| 2694 | OsmocomBB                       | Bug     | New     | Normal   | SIGSEGV in lapdm code  |          | 11/30/2017 08:45 AM | Related to #2694                                   |
| 4640 | OsmoBSC                         | Feature | New     | Low      | SI2quater: support multiple EUTRAN Neighbor Cells List entries, not only multiple EUTRAN Cell Descriptions in the first Cells List entry |          | 07/06/2020 03:03 PM |  |
| 4433 | OsmoGGSN (former OpenGGSN)      | Feature | New     | Normal   | sgsnemu: Add support for IPv4v6 EUAs   |          | 03/04/2020 10:44 AM |  |
| 5672 | Misc Hardware Projects          | Bug     | New     | Normal   | sfp-experimenter / voltage swing of LVDS driver insufficient for SFP spec  |          | 09/02/2022 03:27 PM |  |
| 3863 | OsmoBTS                         | Support | Stalled | Normal   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocom-bb  |          | 12/01/2019 10:52 AM |  |
| 4691 | OsmoMSC                         | Bug     | New     | Low      | setfault in osmo_sockaddr_str_is_set() via call_leg_ensure_ci()  |          | 02/06/2021 09:47 AM |  |
| 4458 | Core testing infrastructure     | Feature | New     | Low      | Set up a STF (Smartphone Testing Farm)   |          | 03/18/2020 02:44 PM |  |

| #    | Project                         | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|---------|----------|--|----------|---------------------|--|
| 5771 | Cellular Network Infrastructure | Feature | New     | Normal   | series of presentations about the individual CN1 network elements                  |          | 11/14/2022 07:25 PM |  |
| 4310 | osmo-sip-connector              | Bug     | New     | Normal   | sends BYE to self  |          | 01/09/2020 09:21 AM |  |
| 1482 | Mobile (in)Security             | Bug     | New     | Normal   | Sending the TMSI of the old/previous network                                       |          | 02/21/2016 04:35 PM |  |
| 4374 | OsmoMSC                         | Feature | New     | Normal   | send GSUP PurgeMS Request (CN-Domain = CS) to the HLR upon IMSI-Detach             |          | 01/23/2020 03:19 AM |  |
| 1570 | OsmoBTS                         | Feature | New     | Low      | Select RTP payload identifier based on requested speech mode                       |          | 02/23/2016 03:31 PM |  |
| 5190 | OsmoBSC                         | Bug     | New     | Low      | segfault with osmo-e1d   |          | 09/15/2021 09:34 AM |  |
| 4158 | OsmoHNBGW                       | Bug     | New     | Normal   | segfault when paging, in a situation with duplicate CID in hnb register requests   |          | 05/13/2021 12:01 PM | Related to #4162   |
| 4825 | OsmoSGSN                        | Bug     | New     | Normal   | security command is missing sometimes  |          | 10/22/2020 02:40 AM |  |
| 5822 | OsmocomBB                       | Bug     | New     | Normal   | SE K2x0i: missing RF and AFC params  |          | 12/15/2022 11:36 PM |  |
| 4925 | libosmo-sccp + libosmo-sigtran  | Bug     | New     | Normal   | SCTP multihoming / ABORT between osmo-msc and osmo-stp                             |          | 01/04/2021 11:32 AM | Related to #4926   |
| 2558 | Cellular Network Infrastructure | Feature | Stalled | Normal   | Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances |          | 06/08/2020 07:07 PM | Related to #2557, Related to #2556, Related to #2555, Related to #2558, Blocks #2893 |
| 1598 | Cellular Network Infrastructure | Feature | New     | Low      | Scripting language interface   |          | 12/10/2017 08:04 PM |  |
| 3595 | gr-osmosdr                      | Feature | New     | Normal   | RX Tags  |          | 09/25/2018 04:01 PM |  |
| 4812 | OsmoPCU                         | Feature | New     | Low      | RTTI (Reduced Transmission Time Interval) Support                                  |          | 10/16/2020 08:43 AM |  |
| 37   | OsmoNITB                        | Bug     | New     | Normal   | RTP Proxy dealing with SSRC change and sequence numbers                            |          | 03/05/2018 07:34 PM |  |
| 5120 | rtl-sdr                         | Bug     | New     | Normal   | rtlsdr_demod_write_reg failed with -9  |          | 04/18/2021 08:55 PM |  |
| 2607 | rtl-sdr                         | Bug     | New     | Normal   | rtl-sdr gnuradio cfile is outdated   |          | 06/03/2018 12:23 PM |  |
| 6329 | rtl-sdr                         | Bug     | New     | Normal   | rtl_sdr does not have correct rpath set on OSX build                               |          | 01/12/2024 09:57 PM |  |
| 4720 | rtl-sdr                         | Bug     | New     | Normal   | rtl_power reports invalid values   |          | 08/19/2020 02:47 PM |  |
| 3058 | OsmoBTS                         | Bug     | New     | Low      | RSL SACCH FILLING are per TRX, not BTS scope                                       |          | 03/11/2018 08:55 PM |  |
| 4884 | OsmoBSC                         | Bug     | New     | Normal   | RLL_REL_IND is received after RF_CHAN_REL  |          | 12/02/2020 11:51 AM |  |
| 2405 | OsmoPCU                         | Feature | New     | Low      | RLC/MAC encoding routines don't use bitvec L/H                                     |          | 07/29/2017 09:01 AM |  |
| 2603 | OsmoPCU                         | Bug     | New     | Low      | Review the various incomplete and never merged changes in radisys branch           |          | 01/08/2020 10:44 PM | Related to #1775   |
| 2305 | OsmoSGSN                        | Bug     | New     | Normal   | review 'laforge/santos' branch and check if there are pending fixes                |          | 01/08/2020 10:56 PM |  |
| 2803 | linmodem                        | Bug     | New     | Low      | return ERROR for unsupported AT commands   |          | 01/01/2018 12:19 PM |  |
| 5768 | Retronetworking                 | Feature | New     | Normal   | retronetworking logo / artwork   |          | 04/07/2024 10:40 PM |  |

| #    | Project                               | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|---------|----------|---|----------|---------------------|-----------------------------------|
| 4404 | IMSI Pseudonymization                 | Feature | Stalled | Normal   | Research: Make sure that we can silently detach the IMSI                  |          | 04/15/2020 10:06 AM | Related to #4404,Related to #4480 |
| 2802 | linmodem                              | Feature | New     | Low      | report the connected speed in "CONNECT" message                           |          | 01/01/2018 12:18 PM |                                   |
| 1812 | OsmoNITB                              | Feature | New     | Normal   | Report gsm0408_dispatch() failures to MS / UE                             |          | 01/08/2020 10:56 PM |                                   |
| 2155 | OP25                                  | Feature | New     | High     | Replace FSK4 demodulation with IQ demodulator stage.                      |          | 04/22/2017 04:16 PM |                                   |
| 2173 | OP25                                  | Feature | New     | High     | Remove dependency on ET++   |          | 04/22/2017 04:14 PM |                                   |
| 2378 | OsmocomBB                             | Feature | New     | Normal   | Remove copy-pasted libosmocore ("git subtree") from osmocom-bb.git        |          | 10/24/2018 02:13 PM |                                   |
| 5519 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Low      | reimplement overlapped.php based on yate python module                    |          | 12/03/2023 10:47 AM |                                   |
| 3141 | OsmoTRX                               | Bug     | New     | Normal   | Refactor / clean up TRX CTRL / DATA interfaces implementation             |          | 04/05/2018 05:46 PM |                                   |
| 6104 | pySim                                 | Feature | New     | Low      | reduce number of python dependencies                                      |          | 07/20/2023 04:28 PM |                                   |
| 4080 | rtl-sdr                               | Support | New     | Normal   | Receiving UTAs on 978 Mhz   |          | 07/02/2019 12:08 PM |                                   |
| 3422 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | Receiver: sample / burst buffering problem                                |          | 07/09/2023 07:39 PM |                                   |
| 3425 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | Receiver: missing AGC (Automatic Gain Control)                            |          | 07/09/2023 07:44 PM |                                   |
| 3423 | OsmocomBB SDR PHY                     | Feature | Stalled | Normal   | Receiver: hard-coded GSM 05.02 channel configuration                      |          | 07/09/2023 07:45 PM |                                   |
| 4471 | OsmocomBB                             | Support | New     | Normal   | Received FTMT00L from phone, ramloader has aborted                        |          | 03/29/2020 11:18 AM |                                   |
| 33   | OsmoSGSN                              | Feature | New     | Low      | real LLC implementation with fragmentation and re-transmissions           |          | 11/09/2016 09:45 AM |                                   |
| 2390 | OsmoMSC                               | Feature | New     | Normal   | re-add osmocom specific TLVs to SMPP messages                             |          | 12/23/2017 05:48 PM |                                   |
| 2191 | OsmoMSC                               | Feature | New     | Normal   | raw PDU mode for SMPP   |          | 12/23/2017 05:48 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 |
| 3097 | OsmoBSC                               | Feature | New     | Normal   | ramping of "rxlev access min"   |          | 03/22/2018 11:51 AM | Related to #3097                  |
| 1477 | Mobile (in)Security                   | Bug     | New     | High     | RACH flood DoS  |          | 02/21/2016 04:34 PM |                                   |
| 3849 | OsmoMGW                               | Bug     | New     | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite           |          | 09/04/2019 09:26 AM |                                   |
| 5008 | gr-osmosdr                            | Bug     | New     | Normal   | Quoted whitespace parsing problem in source_impl::source_impl             |          | 02/04/2021 02:16 AM |                                   |
| 4635 | libosmo-sccp + libosmo-sigtran        | Feature | New     | Normal   | quirks when initializing SS7 ASP  |          | 06/25/2020 04:46 PM | Related to #4635                  |
| 6312 | OsmoHLR                               | Bug     | New     | Normal   | Querying HLR for MSISDN-to-IMSI mapping is too cumbersome and inefficient |          | 12/21/2023 06:52 AM | Related to #6312                  |
| 6314 | pySim                                 | Bug     | New     | Low      | pySim-trace doesn't support ARA-M   |          | 12/23/2023 09:36 AM |                                   |
| 5267 | pySim                                 | Feature | New     | Normal   | pySim-shell: Ability to deactivate entire applications on the card        |          | 10/14/2021 07:12 PM | Related to #5268                  |



| #    | Project                               | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|---------|----------|--|----------|---------------------|--|
| 3775 | OsmoTRX                               | Bug     | Stalled | Normal   | properly debug limesdr usb and limesdr mini clocking requirements and osmo-trx support               |          | 09/30/2020 08:09 PM | Blocks #3341,Blocks #3342,Blocks #3775             |
| 1643 | OsmoHLR                               | Feature | New     | Low      | programmatic access to new asynchronous external HLR   |          | 12/10/2017 08:06 PM | Related to #1643,Blocks #1643                      |
| 2287 | OsmoGSMTester                         | Feature | New     | Low      | processes launched by gsmtester: store command lines called next to stdout and stderr                |          | 05/23/2017 12:11 PM |  |
| 5425 | gr-osmosdr                            | Bug     | New     | High     | Problem receiving samples using dual receivers with BladeRF  |          | 01/29/2022 04:22 AM |  |
| 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 |
| 5443 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | possibility to transmit frames from multiple lines in one packet                                     |          | 02/06/2022 08:15 AM |  |
| 6389 | libosmocore                           | Feature | New     | Low      | port VTY over to osmo_io / io_uring  |          | 03/02/2024 04:55 PM | Related to #6389                                   |
| 4596 | OsmocomTETRA                          | Feature | New     | Normal   | Port to GR3.8  |          | 01/08/2021 05:23 PM |  |
| 6390 | libosmocore                           | Feature | New     | Low      | port CTRL over to osmo_io / io_uring   |          | 03/02/2024 06:45 PM | Related to #6390                                   |
| 6032 | rtl-sdr                               | Bug     | New     | Normal   | Poor APRS demodulation using RTL_FM on RaspberryPI or on old PC                                      |          | 05/15/2023 12:14 PM |  |
| 5460 | gr-osmosdr                            | Bug     | New     | Normal   | Please use double for ppm with fcdp/pp   |          | 02/17/2022 10:43 PM |  |
| 5445 | gr-osmosdr                            | Bug     | New     | Normal   | Please switch to the gr-funcube  |          | 02/15/2022 11:56 PM |  |
| 5031 | OsmoSDR                               | Bug     | New     | Normal   | Please switch to gr-funcube  |          | 06/17/2021 09:23 AM |  |
| 4513 | rtl-sdr                               | Bug     | New     | Normal   | PKG information broken   |          | 04/26/2020 03:21 PM |  |
| 5816 | OsmoHNBGW                             | Feature | New     | Low      | Picocells available in R.U   |          | 03/09/2024 07:09 PM |  |
| 6395 | OsmoHNBGW                             | Feature | New     | Low      | PCFP URR support in osmo-hnbgw   |          | 03/22/2024 08:08 AM | Related to #6395                                   |
| 3648 | OsmoMSC                               | Feature | New     | Low      | persistent VLR (across re-starts of osmo-msc / across power outage)                                  |          | 05/17/2022 05:39 PM | Related to #3649                                   |
| 48   | OsmoNITB                              | Bug     | New     | Normal   | Periodic timer and paging  |          | 03/05/2018 07:34 PM |  |
| 4983 | OsmoMSC                               | Feature | New     | Low      | PERFORM LOCATION REQUEST / RESPONSE  |          | 01/28/2021 11:44 AM |  |
| 1554 | OsmoPCU                               | Feature | New     | Normal   | per-MS BSSGP flow control  |          | 02/23/2016 03:12 PM | Related to #1554                                   |
| 5844 | OsmoPCU                               | Bug     | New     | Normal   | pcu: ns: ip-sns: 2 local binds with a single remote is invalid                                       |          | 12/22/2022 09:59 PM |  |
| 4767 | OsmoBSC                               | Bug     | New     | Normal   | pcu interface: add suspend request support   |          | 09/29/2020 04:40 PM |  |
| 4766 | OsmoBSC                               | Bug     | New     | Normal   | pcu interface: add app info request  |          | 09/26/2020 10:21 PM |  |

| #    | Project                        | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 3920 | OsmoSGSN                       | Support | In Progress | Normal   | PCAPs files of 3G PS for Osmocom network and Commercial one                           |          | 04/18/2019 02:03 PM | Related to #3920,Related to #3936,Related to #3923,Related to #3937,Related to #3922 |
| 5561 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Low      | pc=0=0.0.0 / RCOC-ERROR.ind not permitted   |          | 05/23/2023 06:20 AM |  |
| 6367 | pySim                          | Feature | New         | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others                                   |          | 02/17/2024 01:34 PM |  |
| 4631 | OsmoSGSN                       | Bug     | New         | Low      | packet/byte counters don't work for 3G  |          | 06/24/2020 06:58 AM |  |
| 2379 | OsmocomBB                      | Feature | New         | Normal   | package as .deb   |          | 02/27/2020 02:39 PM |  |
| 2439 | libosmo-netif                  | Bug     | New         | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them                      |          | 12/01/2019 10:11 AM | Blocks #2439   |
| 3006 | libosmo-netif                  | Bug     | New         | Low      | Osmux: improvements on lost/dropped RTP packets                                       |          | 09/30/2018 08:34 AM |  |
| 2440 | libosmo-netif                  | Bug     | New         | Normal   | Osmux: Improve lost packet recreation mechanism                                       |          | 12/01/2019 10:11 AM | Blocks #2439   |
| 5154 | OsmoSGSN                       | Bug     | New         | Normal   | OsmoSGSN doesn't trigger 3G paging if downlink GTP traffic arrives after long break   |          | 05/13/2021 12:28 PM | Related to #5154   |
| 2958 | OsmoSGSN                       | Bug     | Stalled     | Normal   | OsmoSGSN doesn't authenticate on second/further ATTACH REQUEST                        |          | 01/08/2020 10:49 PM | Related to #2958,Related to #4221  |
| 2960 | OsmoSGSN                       | Bug     | New         | Normal   | OsmoSGSN confirms PDP CTX ACT to MS/Gb despite missing conditional IEs on GTP         |          | 01/08/2020 10:48 PM |  |
| 2878 | OsmoMSC                        | Feature | New         | Low      | OsmoMSC support for "Follow-on request/proceed"                                       |          | 01/26/2018 09:11 PM |  |
| 3169 | OsmoMSC                        | Bug     | New         | Low      | OsmoMSC rejects SMPP messages with empty SMS  |          | 01/08/2020 10:56 PM |  |
| 2928 | OsmoMSC                        | Bug     | New         | Normal   | OsmoMSC doesn't do BSSMAP ASSIGNMENT if no MNCC_RTP_CREATE is received                |          | 02/11/2018 05:38 PM |  |
| 4477 | IMSI Pseudonymization          | Feature | New         | Normal   | OsmoHLR: send next pseudo IMSI via SMS  |          | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477  |
| 4403 | IMSI Pseudonymization          | Feature | Feedback    | Normal   | OsmoHLR: How to interface with SMS service?   |          | 04/16/2020 08:45 AM | Blocks #4477   |
| 4588 | OsmoHLR                        | Feature | New         | Low      | OsmoHLR doesn't appear to have any statistics / counters                              |          | 06/06/2020 09:44 AM |  |
| 5773 | OsmoGGSN (former OpenGGSN)     | Bug     | New         | Normal   | OsmoGGSN sends Direct Tunnel packets to the wrong IP address                          |          | 11/17/2022 04:17 AM |  |
| 4172 | OsmoGGSN (former OpenGGSN)     | Bug     | New         | Normal   | osmoggsn crashes when stopping  |          | 08/29/2019 11:35 AM |  |
| 6106 | OsmoGGSN (former OpenGGSN)     | Bug     | New         | Normal   | OsmoGGSN attempts to use the same GTP-U socket for all APNs with gtpu-mode kernel-gtp |          | 02/21/2024 10:31 AM | Related to #6106,Related to #6106  |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--|---------|-------------|----------|---|----------|---------------------|--|
| 3200 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New         | Normal   | OsmoDevCon: Use loudspeakers even at IN-Berlin  |          | 04/23/2018 06:53 PM |  |
| 3201 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New         | Normal   | OsmoDevCon: Add one more rectangular table  |          | 04/23/2018 07:00 PM |  |
| 3387 | OsmocomBB  | Feature | New         | Low      | osmocon: Use libosmocore logging system   |          | 10/05/2018 04:21 PM |  |
| 2764 | SDR (Software Defined Radio)                           | Support | New         | Normal   | osmocom_fft & siggen can't access the X display                                       |          | 12/15/2017 06:09 PM |  |
| 2435 | OsmoHNBGW  | Bug     | New         | Low      | Osmocom asn1c/libasn1c is based on old fork   |          | 12/21/2022 01:54 PM | Related to #2435, Related to #2435, Related to #3862                   |
| 5641 | OsmoCBC  | Feature | New         | Normal   | OsmoCBC doesn't yet support reloading cells becoming operational with active messages |          | 08/05/2022 05:10 PM |  |
| 4827 | OsmoBTS  | Bug     | New         | Normal   | OsmoBTS VTY is lacking various vital information                                      |          | 10/23/2020 07:14 PM |  |
| 2364 | OsmoBTS  | Bug     | New         | Low      | OsmoBTS sends SI1 even if it is not specified/needed                                  |          | 07/15/2017 10:06 AM |  |
| 2366 | OsmoBTS  | Feature | New         | Low      | OsmoBTS lacks EXTENDED BCCH support   |          | 07/15/2017 10:42 AM | Related to #1575, Related to #2014                                     |
| 2974 | OsmoBTS  | Bug     | New         | Low      | OsmoBTS doesn't use the "Diagnostics" part of the RSL Cause IE                        |          | 07/18/2019 05:48 AM |  |
| 3796 | OsmoBTS  | Bug     | New         | Low      | OsmoBTS doesn't send proper cause values in NACK                                      |          | 07/18/2019 06:04 AM | Related to #3796   |
| 4124 | OsmoBSCNAT   | Feature | New         | Normal   | OsmoBSCNAT : Write user manual  |          | 01/08/2020 10:56 PM | Related to #4124   |
| 4537 | OsmoBSC  | Feature | In Progress | Normal   | OsmoBSC needs strategies to recover broken lchans (lchan state BORKEN)                |          | 11/20/2023 05:03 PM | Related to #4537, Related to #4540, Related to #4541, Related to #5106 |
| 3000 | OsmoBSC  | Bug     | New         | Normal   | OsmoBSC issues "RSL Connect" command too early -> race conditions                     |          | 02/25/2018 12:32 PM | Related to #2470, Related to #4179                                     |
| 4553 | OsmoBSC  | Bug     | New         | Normal   | OsmoBSC doesn't handle RESET IP RESOURCE BSSMAP message                               |          | 05/16/2020 07:44 PM |  |
| 3806 | OsmoBSC  | Bug     | Stalled     | Normal   | OsmoBSC accepts BSSAP with wrong length field   |          | 08/28/2020 08:15 PM | Related to #3806   |
| 3962 | OsmoTRX  | Feature | New         | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled                 |          | 08/26/2019 02:04 PM |  |
| 4362 | OsmoTRX  | Feature | Stalled     | Normal   | osmo-trx-lms: Support multi-arfcn feature   |          | 09/30/2020 08:09 PM | Related to #4362, Related to #4362                                     |
| 3981 | OsmoTRX  | Bug     | New         | Normal   | osmo-trx-lms: Overruns appear from time to time                                       |          | 09/30/2020 08:08 PM | Related to #3981   |

| #    | Project                     | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|-----------------------------|---------|----------|----------|---|----------|---------------------|--|
| 3949 | OsmoTRX                     | Bug     | New      | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)  |          | 09/30/2020 08:08 PM | Related to #4468                                   |
| 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     |
| 2430 | OsmoTRX                     | Feature | New      | Low      | osmo-trx support bladerf  |          | 02/14/2023 01:39 PM | Is duplicate of #2430,Is duplicate of #2430        |
| 6418 | pySim                       | Bug     | New      | Normal   | osmo-smdpp docs   |          | 03/25/2024 05:54 PM |  |
| 1686 | osmo-sip-connector          | Feature | New      | Normal   | osmo-sip-connector: Implement call holding on SIP   |          | 10/20/2020 08:36 AM |  |
| 1687 | osmo-sip-connector          | Feature | New      | Low      | osmo-sip-connector: Explore 3-way conference call   |          | 01/08/2020 10:56 PM |  |
| 5853 | OsmoSGSN                    | Feature | New      | Normal   | osmo-sgsn: Rework to use libosmo-gprs   |          | 01/11/2023 03:14 PM |  |
| 5852 | OsmoSGSN                    | Bug     | New      | Normal   | osmo-sgsn: Keep TLLI<->NSEI+BVCI relation knowledge in BSSGP layer  |          | 01/11/2023 03:08 PM |  |
| 1899 | osmo-qcdiag                 | Bug     | New      | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working  |          | 01/11/2017 12:15 PM |  |
| 1900 | osmo-qcdiag                 | Feature | New      | Normal   | osmo-qcdiag: Add FUSE based access for EFS  |          | 01/11/2017 12:15 PM |  |
| 1901 | osmo-qcdiag                 | Feature | New      | Normal   | osmo-qcdiag: Ability to read/write NV data  |          | 01/11/2017 12:15 PM |  |
| 1907 | osmo-qcdiag                 | Bug     | New      | Normal   | osmo-qcdiag detects CRC errors relatively often   |          | 01/23/2017 01:47 AM |  |
| 5858 | Core testing infrastructure | Bug     | Feedback | Normal   | osmo-python-tests: Ignore, at least clean up 'tmp_dummy_sock'   |          | 02/22/2023 06:25 PM | Related to #5858                                   |
| 5300 | OsmoPCU                     | Bug     | New      | Normal   | osmo-pcu: SUSPEND-NACK not implemented  |          | 03/31/2022 02:59 PM |  |
| 4966 | OsmoPCU                     | Bug     | New      | Normal   | osmo-pcu: gprs+egprs multiplex: Allow selecting original 8-PSK dl block during retransmission for GSMK-required DL block                |          | 01/26/2021 01:07 PM | Related to #4966                                   |
| 4967 | OsmoPCU                     | Feature | New      | Normal   | osmo-pcu: Avoid sending new DL EGPRS blocks to MS announcing MS_OUT_OF_MEMORY   |          | 01/21/2021 02:26 PM |  |
| 54   | OsmoNITB                    | Bug     | New      | Normal   | osmo-nitb keeps rtp-proxy socket open in case no DLCX_IND is sent   |          | 03/05/2018 07:34 PM |  |
| 4337 | OsmoMSC                     | Bug     | New      | Normal   | osmo-msc: Don't send LU-Reject after LU-Accept if no TMSI Realloc Complete is received  |          | 01/07/2021 06:22 PM | Related to #4337                                   |
| 3829 | OsmoMSC                     | Bug     | New      | Normal   | osmo-msc expects aoip TLV in Assignment Complete messages from BSC  |          | 03/07/2019 08:30 PM |  |
| 4745 | OsmoMGW                     | Bug     | New      | Low      | osmo-mgw: Wrong IP address returned in SDP "o=" section   |          | 10/05/2022 11:00 AM |  |
| 5468 | OsmoMGW                     | Feature | New      | Normal   | osmo-mgw: 2g<->3g call support  |          | 06/03/2022 10:39 AM | Related to #5468,Related to #5468,Related to #5468 |
| 6293 | OsmoMGW                     | Bug     | New      | Normal   | osmo-mgw "decides" for a codec during MGCP handling; instead it should handle all configured payload type numbers as they arrive in RTP |          | 12/07/2023 05:52 AM | Related to #6293,Related to #6293,Blocks #6136     |

| #    | Project  | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                          |
|------|--|---------|---------|----------|---|----------|---------------------|---|
| 5837 | OsmoHNBGW                                      | Bug     | New     | Normal   | osmo-juh: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.   |          | 12/20/2022 03:43 PM |   |
| 5573 | OsmoHNBGW                                      | Bug     | New     | Normal   | osmo-hnbgw: RANAP LocationReportingControl not implemented  |          | 05/30/2022 02:05 PM |   |
| 5869 | OsmoHNBGW                                      | Bug     | New     | Normal   | osmo-hnbgw ignores HNBAP HNB De-Register  |          | 01/21/2023 01:52 AM |   |
| 3820 | OsmoHNBGW                                      | Bug     | New     | Normal   | osmo-hnbgw does not properly do RANAP RESET and RESET ACK on the link towards MSC and SGSN                        |          | 05/13/2021 12:01 PM | Related to #3944                        |
| 4705 | Distributed GSM                                | Bug     | New     | Normal   | osmo-hlr user manual: explain the mslookup domain suffix "mdns.osmocom.org", it has no mention in the user manual |          | 08/13/2020 12:54 AM |   |
| 2197 | OsmoGSMTester                                  | Feature | Stalled | Normal   | osmo-gsm-tester: use MNCC interface   |          | 11/30/2017 10:41 AM | Related to #2194, is duplicate of #2197 |
| 4151 | OsmoGSMTester                                  | Bug     | Stalled | Normal   | osmo-gsm-tester: osmo-trx-lms process sometimes kept forever in zombie-alike state after killing it               |          | 09/30/2020 08:08 PM | Related to #4151                        |
| 2230 | OsmoGSMTester                                  | Feature | New     | Normal   | osmo-gsm-tester: arfcn as resource  |          | 12/14/2017 04:08 PM | Related to #2230                        |
| 2208 | OsmoGSMTester                                  | Feature | New     | Low      | osmo-gsm-tester: allow running binaries for a whole suite, or only for a single test                              |          | 05/30/2017 01:07 PM | Related to #2208                        |
| 2200 | OsmoGSMTester                                  | Feature | New     | Low      | osmo-gsm-tester: allow collecting statistics / KPI of a test case   |          | 04/06/2020 04:57 PM | Related to #2201                        |
| 2374 | OsmoGSMTester                                  | Feature | New     | Normal   | osmo-gsm-tester: add test case: sms between MS with delivery report   |          | 08/10/2017 04:37 PM |   |
| 2311 | OsmoGSMTester                                  | Feature | New     | Normal   | osmo-gsm-tester: add test case: smpp: smpp_first feature  |          | 05/31/2017 04:21 PM |   |
| 2313 | OsmoGSMTester                                  | Feature | New     | Normal   | osmo-gsm-tester: add test case: smpp: imsi extension  |          | 05/31/2017 04:27 PM |   |
| 2314 | OsmoGSMTester                                  | Feature | New     | Normal   | osmo-gsm-tester: add test case: smpp: correct ESME routing  |          | 05/31/2017 04:29 PM |   |
| 2431 | OsmoGSMTester                                  | Bug     | New     | Normal   | osmo-gsm-tester: add test case: MS sends SMS to ESME  |          | 08/10/2017 03:47 PM |   |
| 2209 | OsmoGSMTester                                  | Feature | New     | Low      | osmo-gsm-tester: add test API to explicitly free a resource   |          | 05/19/2017 11:01 AM | Related to #2208                        |
| 2646 | OsmoGSMTester                                  | Feature | New     | Normal   | osmo-gsm-tester: Add osmo-sip-connector support   |          | 04/23/2018 10:40 AM |   |
| 2861 | OsmoGSMTester                                  | Feature | New     | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k  |          | 12/02/2019 01:36 PM | Related to #2860                        |
| 6126 | OsmoGSMTester                                  | Bug     | New     | Normal   | osmo-gsm-tester docker container uses debian 10   |          | 08/01/2023 09:49 AM | Related to #6126                        |
| 5449 | OsmoGGSN (former OpenGGSN)                     | Bug     | New     | Low      | osmo-ggsn: Accept IPv4v6 EUA pdp creation in APv4/v6-only APNs by answering with changed PDP Type                 |          | 04/04/2023 09:46 AM |   |
| 6419 | OsmoGGSN (former OpenGGSN)                     | Bug     | New     | Low      | osmo-ggsn removes tun devices it did not create   |          | 03/26/2024 11:26 AM |   |
| 6298 | OsmoGGSN (former OpenGGSN)                     | Feature | New     | Normal   | osmo-ggsn not providing MTU of the GTP tunnel to the MS   |          | 02/15/2024 10:30 PM | Related to #6298                        |
| 6420 | OsmoGGSN (former OpenGGSN)                     | Bug     | New     | Low      | osmo-ggsn + pre-configured tun device seems to be broken with kernel gtp-u  |          | 03/26/2024 11:43 AM |   |
| 6332 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New     | Normal   | osmo-epdg: Write User Manual  |          | 01/18/2024 04:15 PM | Related to #6332                        |

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support Emergency services (no IMSI)  |          | 03/15/2024 06:43 PM |                                   |
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support check IMEI  |          | 03/15/2024 06:45 PM |                                   |
| 6345 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Low      | osmo-epdg: Implement SWm interface (Diameter) ePDG <-> AAA                                   |          | 01/25/2024 05:22 PM |                                   |
| 4108 | Cellular Network Infrastructure                | Bug     | New    | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs  |          | 07/16/2019 12:30 PM | Related to #4108                  |
| 61   | OsmoBTS  | Feature | New    | Low      | osmo-bts: split TRAU/RTP frame handling into separate process                                |          | 06/13/2016 01:16 PM |                                   |
| 3329 | OsmoBTS  | Feature | New    | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED  |          | 06/08/2018 12:02 PM | Related to #3330                  |
| 4630 | OsmoBTS  | Bug     | New    | Low      | osmo-bts: GSMTAP DL (tx) messages use hardcoded signal level 0                               |          | 10/05/2022 09:11 AM |                                   |
| 2942 | OsmoBTS  | Bug     | New    | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails                                |          | 02/13/2018 05:05 PM |                                   |
| 5474 | OsmoBTS  | Bug     | New    | Normal   | osmo-bts-trx: DTXd support not implemented   |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474 |
| 1771 | OsmoBTS  | Feature | New    | Low      | osmo-bts-trx: clarify check_transceiver_availability()                                       |          | 03/01/2018 11:17 PM | Related to #1770                  |
| 1755 | OsmoBTS  | Feature | New    | Low      | osmo-bts-sysmo L1: unify hLayer3 handling  |          | 02/02/2017 04:00 PM | Related to #1755                  |
| 5995 | OsmoBTS  | Bug     | New    | Low      | osmo-bts printing log line 'OC=GPRS-NSE(f0) INST=(00,ff,ff): Tx unknown 0xf6'                |          | 10/18/2023 05:47 PM |                                   |
| 5576 | OsmoBTS  | Bug     | New    | Normal   | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked |          | 06/02/2022 10:38 AM |                                   |
| 2245 | OsmoGSMTester                                  | Bug     | New    | Low      | osmo-bts cfg: fix band string  |          | 05/15/2017 12:58 PM | Related to #2230                  |
| 3330 | OsmoBSC  | Feature | New    | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED  |          | 06/08/2018 12:14 PM | Related to #3330                  |
| 4589 | OsmoBSC  | Bug     | New    | Normal   | osmo-bsc crashes with "lchan allocation failed in state WAIT_RF_RELEASE_ACK: Timeout"        |          | 06/06/2020 10:40 PM |                                   |
| 3309 | libosmocore                                    | Feature | New    | Normal   | osmo_timer_* should use monotonic clock  |          | 05/31/2018 03:59 PM | Related to #3309                  |
| 6410 | libosmocore                                    | Bug     | New    | Normal   | osmo_io poll backend doesn't work on file descriptors that are not sockets                   |          | 03/19/2024 07:33 PM |                                   |
| 3909 | libosmocore                                    | Bug     | New    | Normal   | osmo_get_rand_id() fails in containerised environment  |          | 03/24/2021 12:34 PM | Related to #3909                  |
| 3983 | libosmocore                                    | Bug     | New    | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent                                     |          | 03/24/2021 12:35 PM |                                   |
| 3819 | gr-osmosdr                                     | Support | New    | Urgent   | OSMO SDR blocks for GNUradio   |          | 02/28/2019 06:00 PM |                                   |
| 4762 | osmo-sip-connector                             | Feature | New    | Low      | Osmo Analog Support  |          | 09/25/2020 07:31 AM | Related to #4763                  |
| 2355 | OsmoBTS  | Bug     | New    | Low      | optimize log output of phy specific code   |          | 09/04/2019 09:26 AM | Related to #2355                  |

| #    | Project            | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|--------------------|---------|-------------|----------|---|----------|---------------------|---|
| 2610 | libosmocore        | Feature | New         | Low      | optimize GnuTLS fallback  |          | 05/01/2018 04:07 PM | Related to #2610,Related to #3909                                   |
| 1832 | Linux Kernel GTP-U | Feature | New         | Normal   | OpenvSwitch GTP-u patch for 2.5   |          | 10/27/2016 08:56 AM |   |
| 4130 | OP25               | Bug     | New         | Normal   | OP25 User Interface   |          | 07/26/2019 02:36 AM |   |
| 6009 | OsmoMSC            | Bug     | New         | Normal   | omo-msc: lots of tlv_parse() calls in src/libmsc/gsm_04_08.c have no return code checked for errors               |          | 04/19/2023 03:19 PM |   |
| 4082 | OsmoBTS            | Bug     | New         | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE   |          | 11/18/2019 10:09 AM |   |
| 4031 | OsmoBTS            | Bug     | New         | Normal   | OML part of BTS has no TTCN-3 tests   |          | 09/04/2019 09:04 AM | Related to #4031,Related to #4031                                   |
| 3782 | OsmoBTS            | Bug     | New         | Low      | OML bringup fails for osmo-bts-oc2g on high latency links   |          | 01/08/2020 10:27 PM | Related to #3782,Related to #3782,Related to #3789,Related to #4031 |
| 4682 | OsmoBSC            | Feature | New         | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20   |          | 07/30/2020 06:51 AM | Precedes #4682  |
| 2691 | OsmoNITB           | Bug     | Feedback    | Normal   | Old TMSI paged after LU   |          | 05/17/2018 11:47 AM |   |
| 28   | OsmoNITB           | Bug     | New         | Low      | Old siemens phones cannot make voice calls (04.08 channel mode)   |          | 03/05/2018 07:36 PM |   |
| 1505 | UmTRX              | Bug     | New         | High     | OHM4 footprint incorrect  |          | 02/19/2016 10:52 PM |   |
| 3917 | OsmoGSMTester      | Bug     | New         | Normal   | ofono: update debian packages to match our dependencies   |          | 04/06/2020 11:30 AM |   |
| 2941 | OsmoGSMTester      | Bug     | New         | Normal   | ofono: SierraW sometimes crashing while deactivating a context.   |          | 01/08/2020 10:40 PM |   |
| 3046 | OsmoGSMTester      | Bug     | New         | Normal   | ofono: SierraW modem fails to power on  |          | 01/08/2020 10:41 PM |   |
| 3676 | OsmoGSMTester      | Bug     | New         | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"   |          | 06/09/2020 08:39 PM |   |
| 2238 | OsmoGSMTester      | Bug     | In Progress | Normal   | ofono: Gobi modem: cannot receive SMS   |          | 01/08/2020 10:42 PM | Related to #2238  |
| 2468 | OsmoGSMTester      | Feature | New         | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface   |          | 01/08/2020 10:51 PM |   |
| 2236 | OsmoGSMTester      | Bug     | New         | Low      | ofono: Fix valgrind issues  |          | 01/08/2020 10:51 PM |   |
| 2432 | OsmoGSMTester      | Feature | New         | Low      | ofono: Find out how to receive Status / Delivery report   |          | 01/08/2020 10:51 PM |   |
| 2713 | OsmoGSMTester      | Bug     | New         | Normal   | ofono: chosen pdp type (v4, v6, dual) not strictly followed in ofono qmi  |          | 01/08/2020 10:40 PM | Related to #2713  |
| 4242 | BBS-Revival        | Feature | New         | Low      | offer CCC event schedule (Fahrplan) as gopher service   |          | 10/28/2019 09:22 AM |   |
| 5499 | osmo-e1d           | Bug     | New         | Low      | octoi client binds to specific IP even if 0.0.0.0 is specified  |          | 05/23/2023 07:10 AM |   |
| 6297 | OsmoMGW            | Bug     | New         | Normal   | octet-align=0 is the RFC 6871 specified default to use when omitted; but osmo-mgw assumes don't-care when omitted |          | 12/12/2023 02:12 AM | Is duplicate of #5726   |
| 5298 | gr-osmosdr         | Bug     | New         | Normal   | object has no attribute 'pyqwidget' on arch linux   |          | 11/09/2021 01:25 AM |   |
| 41   | OsmoMSC            | Bug     | New         | Normal   | Numbering Plan in OsmoMSC   |          | 06/23/2018 07:37 PM |   |
| 5015 | libosmocore        | Bug     | New         | Low      | ns2: add consistency check for ns configuration as callback   |          | 03/29/2021 09:17 PM |   |

| #    | Project  | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues        |
|------|--|---------|---------|----------|---|----------|---------------------|-----------------------|
| 5035 | libosmocore  | Bug     | New     | Low      | ns2: add a vty to drop a sns connection   |          | 03/29/2021 09:16 PM |                       |
| 4557 | OsmoMSC  | Bug     | New     | Normal   | normal BSSMAP Clear Command from MSC contains cause == 0 meaning "Radio interface message failure"      |          | 05/20/2020 07:17 PM |                       |
| 1838 | OsmoPCU  | Bug     | Stalled | Normal   | Nokia E52 does not reply to PUAN message properly   |          | 10/29/2017 06:47 PM |                       |
| 3591 | rtl-sdr  | Bug     | New     | Normal   | No Way To Detect Occasional Failed Bulk Transfers   |          | 09/25/2018 01:29 PM |                       |
| 4986 | OsmoBTS  | Feature | New     | Low      | No TTCN3 tests of AMR rate/link adaptation  |          | 01/28/2021 01:36 PM |                       |
| 4988 | OsmoBTS  | Feature | New     | Low      | No TTCN3 test for AMR TFO / DL CMR handling   |          | 01/28/2021 01:38 PM |                       |
| 4987 | OsmoBTS  | Feature | New     | Low      | No TTCN3 test for AMR DTX FSMs  |          | 01/28/2021 01:37 PM | Related to #5474      |
| 69   | OsmoBSC  | Bug     | New     | Low      | No timers for various calls   |          | 12/10/2017 07:53 PM |                       |
| 2953 | OsmoSGSN   | Bug     | New     | Normal   | No timeout waiting for UpdateLocation Response on GSUP  |          | 01/08/2020 10:47 PM | Related to #2952      |
| 2957 | OsmoSGSN   | Bug     | New     | Normal   | No timeout during GSUP PURGE MS to HLR  |          | 01/08/2020 10:47 PM |                       |
| 2411 | OsmoMGW  | Feature | New     | Low      | No support for RTP dynamic payload types - AMR/HR/EFR payload types are hardcoded                       |          | 03/05/2018 07:04 PM |                       |
| 2179 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New     | Normal   | no sign about OsmoCon outside of venue  |          | 04/24/2017 07:10 PM |                       |
| 5693 | OCTOI - Osmocom Community TDM over IP                  | Bug     | Stalled | Normal   | no progress tones in yate   |          | 12/03/2023 11:10 AM |                       |
| 4141 | Cellular Network Infrastructure                        | Bug     | New     | Normal   | No osmux specific code in place during codec negotiation  |          | 08/05/2019 03:57 PM |                       |
| 5357 | OsmoGGSN (former OpenGGSN)                             | Bug     | New     | Normal   | no more than PDP_MAX == 1024 PDP contexts possible in libgtp  |          | 12/14/2021 01:20 PM | Related to #5469      |
| 70   | OsmoNITB   | Bug     | New     | Low      | nitb crashes in the rtp_proxy when a phone on a MT-call sends a 'CONNECT' before the CRCX ACK came back |          | 05/09/2016 07:37 PM |                       |
| 6344 | libosmocore  | Feature | New     | Normal   | New TS 24.008 Bearer Capability codec API   |          | 01/24/2024 11:19 PM | Related to #6344      |
| 5808 | gr-osmosdr   | Feature | New     | Normal   | New option, for selecting an input channel of a soapy_source_c  |          | 12/05/2022 11:45 AM |                       |
| 2224 | SDR (Software Defined Radio)                           | Feature | New     | Normal   | New Fospor Benchmark Performance  |          | 05/04/2017 01:23 PM |                       |
| 6007 | OsmoBSC  | Bug     | New     | Normal   | network -> bts -> gprs nsvc will always create a nsvc node  |          | 04/17/2023 04:08 PM |                       |
| 4352 | osmo-sip-connector                                     | Bug     | New     | Normal   | Need to handle 401 Unauthorized   |          | 01/09/2020 02:03 PM |                       |
| 3865 | OsmoBSC  | Bug     | New     | Normal   | nanoBTS: GPRS not working anymore, modems unable to attach in osmo-gsm-tester                           |          | 05/11/2023 01:00 PM | Is duplicate of #3865 |
| 4926 | OsmoHNBGW  | Bug     | New     | Normal   | nano3G disconnect / reconnect cycle with SCTP multi-homing  |          | 01/04/2021 11:38 AM | Related to #4926      |
| 5389 | OsmocomDECT  | Bug     | New     | Low      | Namespace clashes between kernel and userspace  |          | 01/09/2022 12:30 PM |                       |
| 5818 | libosmocore  | Bug     | New     | Normal   | multithreaded logging causes lock contention and needs a rework   |          | 01/10/2024 09:05 AM |                       |
| 3280 | OsmocomBB  | Feature | New     | Low      | Multiparty SS support in OsmocomBB  |          | 05/22/2018 07:40 AM |                       |



| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|---|----------|---------------------|-----------------------------------|
| 1561 | OsmoBTS                               | Feature | New         | Low      | Multi-TRX support (one osmo-bts process per TRX)  |          | 02/23/2016 03:18 PM |                                   |
| 3501 | SIMtrace 2                            | Feature | New         | Low      | Multi-sim addon board idea  |          | 08/28/2018 03:00 PM |                                   |
| 4536 | OsmoBSC                               | Feature | New         | Normal   | Multi BTS support within a single physical device   |          | 06/21/2020 01:10 PM |                                   |
| 1479 | Mobile (in)Security                   | Bug     | New         | Normal   | MTK stack unable to send MO-SMS on TCH/F  |          | 04/03/2019 09:01 AM |                                   |
| 4525 | Cellular Modem Information            | Feature | New         | Normal   | MTK   |          | 05/03/2020 03:57 PM | Is duplicate of #4525             |
| 4363 | Distributed GSM                       | Feature | New         | Low      | mslookup_client_mdns_test: add stubs, so it works without multicast                       |          | 04/28/2020 02:55 PM | Related to #4363                  |
| 4017 | OsmoMSC                               | Bug     | New         | Normal   | MSC fails to handle calls   |          | 05/29/2019 04:56 PM |                                   |
| 3814 | OsmoBSC                               | Bug     | New         | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS  |          | 02/24/2019 01:15 AM |                                   |
| 2438 | OsmoNITB                              | Bug     | New         | Normal   | MS not registered from osmocom PoV, but registered from ofono PoV                         |          | 08/14/2017 09:36 AM |                                   |
| 1577 | OsmoBTS                               | Bug     | New         | Normal   | mph_send_config_logchpar doesn't update encryption config                                 |          | 02/23/2016 03:39 PM |                                   |
| 1537 | OsmoPCU                               | Feature | New         | Low      | Move the BSSGP handling to libosmocore  |          | 03/01/2018 11:17 PM | Related to #1537,Related to #2388 |
| 3688 | OsmoSGSN                              | Feature | New         | Low      | move generic gtpub code to libosmocore  |          | 04/15/2019 07:29 AM |                                   |
| 1954 | OsmocomBB                             | Bug     | In Progress | Normal   | Motorola C188 with Osmocombb firmwre(RAM version) can't scan out any base stations        |          | 07/10/2017 10:24 PM |                                   |
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled     | Normal   | more statistics / counters  |          | 12/03/2023 11:17 AM |                                   |
| 1612 | Cellular Network Infrastructure       | Bug     | New         | Low      | more configuration consistency checking   |          | 09/30/2018 11:48 AM |                                   |
| 2815 | linmodem                              | Feature | New         | Normal   | modern ptmx / pty handling (UNIX 98)  |          | 01/01/2018 02:48 PM |                                   |
| 6201 | OsmocomBB                             | Bug     | New         | Normal   | modem: signal proper MS Radio Access Capability   |          | 10/04/2023 12:34 PM | Related to #6201                  |
| 6347 | OsmocomBB                             | Feature | New         | Normal   | mobile: support data calls @ 300 bps and 1200/75 bps (TCH/[FH]2.4)                        |          | 01/26/2024 09:54 PM | Related to #6347                  |
| 6346 | OsmocomBB                             | Feature | New         | Normal   | mobile: support data calls @ 14400 bps (TCH/F14.4)  |          | 01/26/2024 10:03 PM | Related to #6346,Related to #6346 |
| 5812 | OsmocomBB                             | Feature | New         | Low      | mobile: missing AMR support   |          | 12/06/2022 03:07 PM | Related to #5812                  |
| 5815 | OsmocomBB                             | Feature | New         | Low      | mobile: compose Bearer Capability IE depending on PHY capabilities and GAPK codec support |          | 12/06/2022 07:38 PM | Related to #5815,Related to #5815 |
| 3629 | OsmocomBB                             | Bug     | New         | Normal   | mobile aborting after 'test re-selection 1' on vty  |          | 10/04/2018 02:58 PM |                                   |
| 5699 | OsmoMSC                               | Bug     | New         | Normal   | MNCC RTP_CREATE is not sent in a call waiting scenario                                    |          | 10/10/2022 06:46 PM |                                   |
| 2832 | OsmoMSC                               | Feature | New         | Low      | MNCC doesn't include field for "supported codecs"   |          | 01/16/2018 07:00 AM | Related to #2832,Related to #1683 |
| 4304 | libosmocore                           | Bug     | New         | Low      | missing unit tests for many gsm48_{encode,decode} functions                               |          | 12/04/2019 01:50 PM |                                   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 2962 | OsmoSGSN                        | Bug     | New         | Normal   | Missing TTCN-3 test cases  |          | 01/08/2020 10:47 PM |                                   |
| 1640 | OsmoPCU                         | Bug     | Feedback    | Low      | Missing release field/length in MS RA capability container   |          | 10/20/2020 09:19 AM |                                   |
| 4023 | OsmoBTS                         | Bug     | Stalled     | Normal   | Missing coverage of PCU interface in osmo-bts  |          | 03/21/2023 01:07 PM | Related to #4023                  |
| 4638 | Altair LTE Modems               | Feature | New         | Normal   | Mikrotik R11e-4G mtd dump  |          | 06/13/2021 10:15 AM |                                   |
| 5722 | Cellular Network Infrastructure | Feature | New         | Low      | Migrate jenkins build slaves from docker to podman   |          | 10/21/2022 08:29 PM | Related to #5722                  |
| 5349 | OsmoSGSN                        | Bug     | In Progress | High     | Message for non-existing SMDCP Entity  |          | 07/17/2023 04:42 PM |                                   |
| 3594 | gr-osmosdr                      | Feature | New         | Normal   | Message Commands   |          | 09/25/2018 03:59 PM |                                   |
| 3344 | OsmoTRX                         | Feature | New         | Normal   | merge ttsou/siggen   |          | 06/13/2018 07:26 PM |                                   |
| 3345 | OsmoTRX                         | Feature | New         | Low      | merge ms branch  |          | 06/13/2018 07:16 PM |                                   |
| 4972 | OsmoMSC                         | Bug     | New         | Normal   | manual: the MNCC protocol is outdated (RTP)  |          | 01/24/2021 05:58 PM |                                   |
| 4452 | OsmoPCU                         | Bug     | Stalled     | Normal   | manual testing of osmo-pcu   |          | 07/28/2023 02:48 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 |                                   |
| 4764 | OsmoMSC                         | Bug     | New         | Normal   | make sure Assignment times out, always   |          | 09/23/2020 02:08 PM |                                   |
| 2677 | libosmocore                     | Support | New         | Normal   | Make stat_item available over ctrl interface   |          | 09/04/2019 09:21 AM | Related to #2676                  |
| 3755 | OsmoMSC                         | Feature | New         | Low      | make retrieval of IMEISV configurable  |          | 05/07/2019 12:28 PM | Related to #3755                  |
| 1613 | OsmoBSC                         | Feature | New         | Low      | make BTS/TRX configuration changes without having to drop BTS OML link                                     |          | 12/10/2017 08:06 PM |                                   |
| 1858 | OsmoBSC                         | Feature | New         | Normal   | make BSC also generate ALERTs  |          | 12/10/2017 07:59 PM |                                   |
| 6241 | libosmo-sccp + libosmo-sigtran  | Feature | New         | Low      | M3UA "Network Appearance" support  |          | 10/31/2023 03:00 PM | Related to #6241                  |
| 3602 | OsmoSTP                         | Feature | New         | Low      | M2UA support   |          | 09/30/2018 08:00 AM |                                   |
| 3603 | OsmoSTP                         | Feature | New         | Low      | M2PA support   |          | 10/03/2018 08:58 AM | Related to #3603                  |
| 2288 | OsmoGSMTester                   | Feature | New         | Low      | logging: print in a short way which resource is being reserved and used                                    |          | 05/23/2017 02:25 PM |                                   |
| 39   | OsmoBSC                         | Feature | New         | Low      | Logging filter on bts/trx or such  |          | 06/08/2020 07:07 PM |                                   |
| 3642 | OsmoBSC                         | Bug     | New         | Low      | logging filter imsi leaks bsc_subscr references  |          | 10/09/2018 10:04 PM |                                   |
| 5829 | libosmocore                     | Feature | New         | Low      | log fallback for log_check_level(), log_parse_category()   |          | 12/13/2022 10:44 PM |                                   |
| 5338 | OsmoBTS                         | Bug     | New         | Normal   | LMSDevice.cpp:261 Power parameters requested before Tx Frequency was set! Providing band 900 by default... |          | 12/09/2021 11:42 PM |                                   |
| 5509 | OsmoSGSN                        | Bug     | New         | Normal   | llc/pdu lifetime: add vty config option to define default lifetime   |          | 03/31/2022 04:11 PM |                                   |
| 5489 | linmodem                        | Feature | New         | Low      | linmodem mISDN integration   |          | 03/13/2022 09:35 PM |                                   |
| 1543 | OsmoPCU                         | Feature | New         | Normal   | link/rate adaption as per spec   |          | 01/08/2020 10:43 PM | Related to #1543,Related to #1543 |
| 4637 | OsmoTRX                         | Bug     | New         | Normal   | limesdr usb gain setting changes break gsm phasenoise constraints  |          | 06/29/2020 04:43 PM |                                   |

| #    | Project        | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|----------------|---------|-------------|----------|---|----------|---------------------|--|
| 5167 | Osmocom Analog | Feature | New         | Low      | LimeNet Micro   |          | 04/02/2023 08:57 AM |  |
| 3970 | OsmoTRX        | Bug     | New         | Low      | libusrp fails to compile 1/4 of times in jenkins with PARALLEL_MAKE set                   |          | 01/08/2020 10:56 PM | Is duplicate of #3970                              |
| 6360 | libosmocore    | Bug     | New         | Normal   | libosmovty fails to parse commands like "test (foo bar) [(one two three)]"                |          | 02/14/2024 09:25 PM |  |
| 5864 | libosmocore    | Bug     | New         | Normal   | Libosmocore: Fix order of config parsing output   |          | 02/04/2023 05:21 PM |  |
| 6374 | libosmocore    | Bug     | New         | Normal   | libosmocore --disable-libsctp not tested by jenkins                                       |          | 02/23/2024 03:47 PM |  |
| 5313 | OsmoMGW        | Bug     | New         | Normal   | libosmo-mgcp-client-dbg specific package not generated for debian                         |          | 11/16/2021 03:57 PM |  |
| 2702 | OsmoMGW        | Feature | New         | Low      | libosmo-mgcp doesn't use osmo_sock_API  |          | 12/03/2017 09:42 AM |  |
| 5356 | libosmo-abis   | Bug     | New         | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                  |          | 12/13/2021 12:50 PM |  |
| 2717 | libosmo-abis   | Bug     | New         | Low      | libosmo-abis doesn't use ipa_ccm_make_id_resp()   |          | 12/06/2017 05:47 PM |  |
| 2196 | OsmoGSMTester  | Feature | New         | Low      | libmsc ctrl interface: add CTRL command to query a single subscriber's attached state     |          | 05/15/2017 12:58 PM |  |
| 5895 | OsmoBTS        | Bug     | New         | Low      | LC15: Audio Quality Problem sometime after cf7a7fceb625a14fd764355c3b96fa86c77458c        |          | 03/20/2023 11:37 PM |  |
| 4474 | OsmoBTS        | Bug     | In Progress | Low      | l1fwd (-remote) tried to read eeprom locally  |          | 11/04/2021 06:35 PM |  |
| 1655 | OsmoSGSN       | Feature | Stalled     | Normal   | KPIs for OsmoSGSN   |          | 01/08/2020 10:49 PM | Related to #1652,Related to #1655,Related to #1655 |
| 1766 | OsmoPCU        | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS   |          | 01/22/2020 02:06 PM | Related to #1766,Related to #1766                  |
| 73   | OsmoBSC        | Bug     | New         | Low      | Kill the paging_init_if_needed method in paging.c   |          | 12/10/2017 07:53 PM |  |
| 1674 | OsmoBTS        | Bug     | New         | Low      | Kill duplication between l1_if.c and sysmbots_ctrl.c                                      |          | 07/18/2019 06:08 AM |  |
| 3590 | rtl-sdr        | Bug     | New         | Normal   | Key Functions Missing Documentation   |          | 09/25/2018 01:04 PM |  |
| 5394 | OsmocomDECT    | Bug     | New         | High     | Kernel Oops when loading com_on_air_cs (unable to handle kernel NULL pointer dereference) |          | 01/09/2022 12:54 PM |  |
| 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 |
| 6285 | OsmoHNBGW      | Feature | New         | Low      | IUFP needs not CRCX in loopback mode  |          | 12/04/2023 03:58 AM |  |
| 3937 | OsmoSGSN       | Bug     | In Progress | Normal   | lu: verify handling of GMM Service Request (data)when no PDP Context present.             |          | 05/21/2019 10:28 AM | Related to #3937                                   |
| 3923 | OsmoSGSN       | Bug     | New         | Normal   | lu: Respond to SecurityCommandReject messages   |          | 04/24/2019 08:26 AM | Related to #3923                                   |
| 4634 | OsmoMSC        | Feature | New         | Low      | lu: record SAC, and show RNC ID and SAC in the vty upon 'show subscriber'                 |          | 06/24/2020 06:08 PM |  |

| #    | Project  | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                                 |
|------|--|---------|---------|----------|---|----------|---------------------|--|
| 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                               |
| 1919 | pySim  | Bug     | New     | Low      | issue with grcardsim from Greencard (grcard.cn)   |          | 08/17/2017 06:45 AM |  |
| 2494 | OsmoGGSN (former OpenGGSN)                     | Feature | New     | Low      | IPv6 support on the outer (transport) layer   |          | 02/06/2021 12:09 PM |  |
| 1725 | OsmoNITB                                       | Bug     | Stalled | Low      | iPhone6 network selection issue with GSM1900  |          | 03/05/2018 07:35 PM |  |
| 68   | OsmoBSC  | Bug     | New     | Low      | ipaccess-config should work with -u ID -o IP -r BTS_IP  |          | 12/10/2017 07:52 PM |  |
| 34   | OsmoBSC  | Bug     | New     | Normal   | ipaccess init code needs proper state machines  |          | 12/10/2017 08:16 PM | Related to #34                                 |
| 5842 | OsmoBSC  | Bug     | New     | Normal   | ipa: investigate NSVC local and remote port configuration difference with wireshark dissector |          | 12/22/2022 07:18 PM |  |
| 4552 | OsmoMGW  | Bug     | New     | Normal   | ip-probing issue with BTS connection - no rebinding to a correct IP address                   |          | 05/14/2020 11:18 PM |  |
| 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 |
| 6354 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New     | Low      | investigate UE behavior in terms of respecting ePDG configuration on USIM/ISIM                |          | 02/07/2024 04:10 PM |  |
| 4018 | OsmoPCU  | Bug     | New     | Normal   | investigate ordering of includes paths  |          | 05/23/2019 10:59 AM |  |
| 3564 | OsmoGSMTester                                  | Feature | New     | Normal   | Investigate ofono and modems Cell Broadcast support   |          | 01/08/2020 10:42 PM | Related to #3564                               |
| 3649 | OsmoHLR  | Feature | New     | Low      | Investigate LMDB as HLR data storage  |          | 10/12/2018 11:35 AM | Related to #3649                               |
| 5013 | Cellular Network Infrastructure                | Feature | New     | Low      | investigate "vtysh" for Osmocom   |          | 02/06/2021 02:14 PM | Related to #5013                               |
| 1955 | OsmoNITB                                       | Bug     | New     | Normal   | Investigate "Bad signalling message" error  |          | 03/05/2018 07:33 PM |  |
| 3987 | libosmocore                                    | Feature | New     | Low      | introduce libosmocore_init() to replace individual initialization calls                       |          | 05/08/2019 03:03 PM | Related to #3987                               |
| 2800 | linmodem                                       | Feature | New     | Normal   | Interop testing with real modems  |          | 01/01/2018 12:16 PM |  |
| 3696 | OsmoSGSN                                       | Bug     | New     | Normal   | Intermittent Connection Drop  |          | 01/08/2020 10:48 PM |  |
| 1603 | OsmoMSC  | Feature | New     | Low      | Interfacing the MSC with other networks: Roaming interfaces / MAP                             |          | 07/18/2019 06:13 AM |  |
| 1588 | OsmoSGSN                                       | Feature | New     | Normal   | Inter-RAT hand-over   |          | 02/23/2016 03:46 PM |  |
| 3992 | OsmoMSC  | Bug     | New     | Normal   | inter-MSC handover for signalling-only?   |          | 05/09/2019 11:39 AM |  |
| 6323 | OP25   | Bug     | New     | Normal   | Install script is broken on Ubuntu 23.10  |          | 01/05/2024 07:54 PM |  |
| 5731 | gr-osmosdr                                     | Bug     | New     | High     | Install gr-osmosdr on Ubuntu 20.04  |          | 10/27/2022 01:39 PM |  |
| 1897 | OsmocomTETRA                                   | Bug     | New     | Low      | Inefficient sequence search in tetra_find_train_seq   |          | 04/10/2017 01:04 AM |  |
| 3652 | OsmocomBB                                      | Bug     | New     | Normal   | Incorrect IMEISV setting in mobile application  |          | 10/12/2018 08:20 PM |  |
| 6330 | OsmoMSC  | Bug     | New     | Normal   | Incorrect handling of V.120 data calls  |          | 01/18/2024 03:02 PM | Related to #6344                               |
| 5380 | osmo-ccid-firmware                             | Bug     | New     | Normal   | Incorrect answer to PC_to_RDR_SetParameters CCID command                                      |          | 01/16/2022 08:55 PM |  |

| #    | Project                        | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 5047 | OsmoSDR                        | Feature | New    | Normal   | Inconsistencies between SDR's in bias-tee parameter                                   |          | 12/19/2021 01:17 PM |                                   |
| 1751 | OsmoBTS                        | Bug     | New    | Low      | incompatibility between LCR and DTX   |          | 06/14/2016 04:39 PM |                                   |
| 6316 | pySim                          | Feature | New    | Normal   | include test data in user manual  |          | 12/23/2023 03:10 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 |                                   |
| 1478 | Mobile (in)Security            | Bug     | New    | High     | IMSI DETACH DoS   |          | 09/02/2019 09:00 AM |                                   |
| 1997 | OsmoHNBGW                      | Feature | New    | Normal   | Improve error check at compilation time   |          | 10/21/2021 04:28 PM |                                   |
| 5352 | gr-osmosdr                     | Bug     | New    | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2" |          | 12/11/2021 08:19 AM |                                   |
| 5235 | pySim                          | Feature | New    | Low      | import / export as eUICC profile package ASN.1  |          | 06/09/2023 04:55 PM |                                   |
| 5780 | OsmoMSC                        | Feature | New    | Normal   | Implement/Support UUS1  |          | 01/24/2023 10:48 AM |                                   |
| 2580 | OsmoMGW                        | Feature | New    | Low      | implement timeout/resend mechanism for mgcp_client                                    |          | 09/04/2019 09:26 AM |                                   |
| 6036 | OsmoBTS                        | Feature | New    | Normal   | Implement ternary SID classification for HR1 uplink                                   |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036 |
| 4860 | libosmo-abis                   | Feature | New    | Low      | Implement separation of line/TEI/datalinks in E1 pcap                                 |          | 11/04/2021 06:31 PM |                                   |
| 2009 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement SCCP connection coupling ("proxy")  |          | 04/10/2017 12:09 PM |                                   |
| 4980 | OsmoMSC                        | Feature | New    | Low      | Implement routing of BSSMAP LOAD INDICATION in OsmoMSC                                |          | 01/27/2021 02:43 PM | Related to #4980,Related to #4980 |
| 2712 | libosmocore                    | Feature | New    | Low      | implement reproducible talloc context printout, i.e. without memory addresses         |          | 01/08/2020 10:21 PM | Related to #2781                  |

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