**Firmware version 1**

**Booting (0x8200).**

**\*\*\* Booting Zephyr OS build v3.2.99-ncs2 \*\*\***

**I: Starting bootloader**

**I: Primary image: magic=unset, swap\_type=0x1, copy\_done=0x3, image\_ok=0x3**

**I: Secondary image: magic=unset, swap\_type=0x1, copy\_done=0x3, image\_ok=0x3**

**I: Boot source: none**

**I: Swap type: none**

**I: Primary image: magic=bad, swap\_type=0x1, copy\_done=0x2, image\_ok=0x2**

**I: Secondary image: magic=unset, swap\_type=0x1, copy\_done=0x3, image\_ok=0x3**

**I: Boot source: none**

**I: Swap type: none**

**I: Bootloader chainload address offset: 0x28000**

**I: Jumping to the first image slot**

**\*\*\* Booting Zephyr OS build v3.2.99-ncs2 \*\*\***

**[00:00:00.490,447]**

**[0m<inf> app\_event\_manager: APP\_EVT\_START**

**[0m**

**[00:00:00.491,516]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_INITIALIZED**

**[0m**

**[00:00:00.559,448]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_LTE\_CONNECTING**

**[0m**

**%CESQ: 66,3,25,3**

**+CEREG: 2,"B07F","09057417",9**

**+CSCON: 1**

**[00:00:01.512,908]**

**[0m<inf> app\_event\_manager: DATA\_EVT\_CONFIG\_INIT**

**[0m**

**[00:00:01.716,400]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_LTE\_CELL\_UPDATE**

**[0m**

**+CGEV: ME PDN ACT 0**

**%MDMEV: SEARCH STATUS 2**

**+CEREG: 1,"B07F","09057417",9,,,"11100000","11100000"**

**%XTIME: "82","32505290738182","00"**

**+CGEV: IPV6 0**

**[00:00:03.392,211]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_LTE\_CONNECTED**

**[0m**

**[00:00:03.393,615]**

**[0m<inf> app\_event\_manager: CLOUD\_EVT\_CONNECTING**

**[0m**

**[00:00:03.404,235]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_LTE\_PSM\_UPDATE**

**[0m**

**[00:00:03.418,273]**

**[0m<inf> app\_event\_manager: DATA\_EVT\_DATE\_TIME\_OBTAINED**

**[0m**

**[00:00:13.144,531]**

**[0m<inf> nrf\_cloud\_fsm: CC RX on topic nrf-352656106105920/shadow/get/accepted: {"desired":{"pairing":{"state":"paired","topics":{"d2c":"prod/f27863d2-5106-4ba9-8634-54e23e63dc46/m/d/nrf-352656106105920/d2c","c2d":"prod/f27863d2-5106-4ba9-8634-54e23e63dc46/m/d/nrf-352656106105920/+/r"}},"nrfcloud\_mqtt\_topic\_prefix":"prod/f27863d2-5106-4ba9-8634-54e23e63dc46/"},"config":{"activeMode":true,"locationTimeout":300,"activeWaitTime":120,"movementResolution":120,"movementTimeout":3600,"accThreshAct":4,"accThreshInact":4,"accTimeoutInact":60,"nod":[]}}**

**[0m**

**[00:00:13.149,139]**

**[0m<inf> app\_event\_manager: CLOUD\_EVT\_CONFIG\_RECEIVED**

**[0m**

**[00:00:13.156,250]**

**[0m<inf> app\_event\_manager: DATA\_EVT\_CONFIG\_SEND**

**[0m**

**[00:00:13.157,226]**

**[0m<inf> app\_event\_manager: CLOUD\_EVT\_DATA\_SEND\_QOS**

**[0m**

**[00:00:14.998,107]**

**[0m<inf> app\_event\_manager: CLOUD\_EVT\_CONNECTED**

**[0m**

**[00:00:14.999,298]**

**[0m<inf> app\_event\_manager: APP\_EVT\_DATA\_GET - Requested data types (MOD\_DYN, BAT, ENV, MOD\_STAT, LOCATION)**

**[0m**

**[00:00:15.100,097]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_AGPS\_NEEDED**

**[0m**

**[00:00:15.100,494]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_ACTIVE**

**[0m**

**[00:00:15.101,837]**

**[0m<inf> app\_event\_manager: SENSOR\_EVT\_ENVIRONMENTAL\_NOT\_SUPPORTED**

**[0m**

**[00:00:15.163,787]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_MODEM\_STATIC\_DATA\_READY**

**[0m**

**[00:00:15.199,829]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_MODEM\_DYNAMIC\_DATA\_READY**

**[0m**

**[00:00:15.231,170]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_BATTERY\_DATA\_READY**

**[0m**

**%CESQ: 65,3,30,4**

**AT+CFUN=0**

**+CGEV: ME PDN DEACT 0**

**+CEREG: 0**

**+CGEV: ME DETACH**

**%CESQ: 255,0,255,0**

**+CSCON: 0**

**OK**

**[00:00:43.731,353]**

**[0m<inf> app\_event\_manager: CLOUD\_EVT\_DISCONNECTED**

**[0m**

**[00:00:43.734,039]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_LTE\_DISCONNECTED**

**[0m**

**[00:00:43.734,985]**

**[1;31m<err> nrf\_cloud\_integration: nrf\_cloud\_disconnect, error: -13**

**[0m**

**[00:00:43.832,977]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_LTE\_CELL\_UPDATE**

**[0m**

**[00:00:43.949,554]**

**[1;31m<err> location: Failed to configure GNSS**

**[0m**

**[00:00:44.211,883]**

**[1;33m<wrn> location: Failed to initiate neighbor cell measurements: -14, next: fallback to get modem parameters**

**[0m**

**[00:00:44.212,463]**

**[1;31m<err> location: Cannot get modem parameters, err -77**

**[0m**

**[00:00:44.212,493]**

**[1;31m<err> location: Could not obtain modem parameters**

**[0m**

**[00:00:44.212,493]**

**[1;33m<wrn> location: Current cell ID not valid**

**[0m**

**[00:00:44.212,524]**

**[1;33m<wrn> location: No cellular neighbor cells or Wi-Fi access points found**

**[0m**

**[00:00:44.212,585]**

**[1;31m<err> location: Location acquisition failed and fallbacks are also done**

**[0m**

**[00:00:44.212,615]**

**[1;33m<wrn> location\_module: Getting location failed**

**[0m**

**[00:00:44.212,707]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_DATA\_NOT\_READY**

**[0m**

**[00:00:44.213,165]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_INACTIVE**

**[0m**

**[00:00:44.320,343]**

**[0m<inf> app\_event\_manager: DATA\_EVT\_DATA\_READY**

**[0m**

**AT+CFUN?**

**+CFUN: 0**

**OK**

**AT%XSYSTEMMODE=1,0,0,0**

**OK**

**AT+CFUN=1**

**OK**

**[00:02:01.513,519]**

**[0m<inf> app\_event\_manager: APP\_EVT\_DATA\_GET\_ALL**

**[0m**

**[00:02:01.5%NCELLMEAS: 1**

**14,160]**

**[0m<inf> app\_event\_manager: APP\_EVT\_DATA\_GET - Requested data types (MOD\_DYN, BAT, ENV, LOCATION)**

**[0m**

**[00:02:01.514,648]**

**[1;33m<wrn> location: nrf\_modem\_gnss\_agps\_expiry\_get() failed, err -13**

**[0m**

**[00:02:01.614,959]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_ACTIVE**

**[0m**

**[00:02:01.616,302]**

**[0m<inf> app\_event\_manager: SENSOR\_EVT\_ENVIRONMENTAL\_NOT\_SUPPORTED**

**[0m**

**[00:02:01.617,218]**

**[1;31m<err> location: Failed to configure GNSS**

**[0m**

**[00:02:01.720,001]**

**[1;31m<err> modem\_info\_params: Link data not obtained: 5 -22**

**[0m**

**[00:02:01.720,031]**

**[1;31m<err> modem\_module: modem\_info\_params\_get, error: -22**

**[0m**

**[00:02:01.720,092]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_MODEM\_DYNAMIC\_DATA\_NOT\_READY**

**[0m**

**[00:02:01.723,052]**

**[1;31m<err> modem\_info\_params: Link data not obtained: 5 -22**

**[0m**

**[00:02:01.723,083]**

**[1;31m<err> modem\_module: modem\_info\_params\_get, error: -22**

**[0m**

**[00:02:01.723,175]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_BATTERY\_DATA\_NOT\_READY**

**[0m**

**[00:02:01.732,849]**

**[1;33m<wrn> location: Current cell ID not valid**

**[0m**

**[00:02:01.732,879]**

**[1;33m<wrn> location: No cellular neighbor cells or Wi-Fi access points found**

**[0m**

**[00:02:01.732,910]**

**[1;31m<err> location: Location acquisition failed and fallbacks are also done**

**[0m**

**[00:02:01.732,940]**

**[1;33m<wrn> location\_module: Getting location failed**

**[0m**

**[00:02:01.733,001]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_DATA\_NOT\_READY**

**[0m**

**[00:02:01.733,459]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_INACTIVE**

**[0m**

**[00:02:01.863,800]**

**[0m<inf> app\_event\_manager: DATA\_EVT\_DATA\_READY**

**[0m**

**AT#XNRFCLOUD=1**

**ERROR**

**AT#XCELLPOS=1**

**ERROR**

**AT%NCELLMEAS**

**OK**

**%NCELLMEAS: 1**

**[00:04:01.513,519]**

**[0m<inf> app\_event\_manager: APP\_EVT\_DATA\_GET\_ALL**

**[0m**

**[00:04:01.514,160]**

**[0m<inf> app\_event\_manag%NCELLMEAS: 1**

**er: APP\_EVT\_DATA\_GET - Requested data types (MOD\_DYN, BAT, ENV, LOCATION)**

**[0m**

**[00:04:01.514,648]**

**[1;33m<wrn> location: nrf\_modem\_gnss\_agps\_expiry\_get() failed, err -13**

**[0m**

**[00:04:01.614,959]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_ACTIVE**

**[0m**

**[00:04:01.616,302]**

**[0m<inf> app\_event\_manager: SENSOR\_EVT\_ENVIRONMENTAL\_NOT\_SUPPORTED**

**[0m**

**[00:04:01.617,218]**

**[1;31m<err> location: Failed to configure GNSS**

**[0m**

**[00:04:01.720,001]**

**[1;31m<err> modem\_info\_params: Link data not obtained: 5 -22**

**[0m**

**[00:04:01.720,031]**

**[1;31m<err> modem\_module: modem\_info\_params\_get, error: -22**

**[0m**

**[00:04:01.720,092]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_MODEM\_DYNAMIC\_DATA\_NOT\_READY**

**[0m**

**[00:04:01.723,052]**

**[1;31m<err> modem\_info\_params: Link data not obtained: 5 -22**

**[0m**

**[00:04:01.723,052]**

**[1;31m<err> modem\_module: modem\_info\_params\_get, error: -22**

**[0m**

**[00:04:01.723,144]**

**[0m<inf> app\_event\_manager: MODEM\_EVT\_BATTERY\_DATA\_NOT\_READY**

**[0m**

**[00:04:01.735,717]**

**[1;33m<wrn> location: Current cell ID not valid**

**[0m**

**[00:04:01.735,748]**

**[1;33m<wrn> location: No cellular neighbor cells or Wi-Fi access points found**

**[0m**

**[00:04:01.735,809]**

**[1;31m<err> location: Location acquisition failed and fallbacks are also done**

**[0m**

**[00:04:01.735,809]**

**[1;33m<wrn> location\_module: Getting location failed**

**[0m**

**[00:04:01.735,900]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_DATA\_NOT\_READY**

**[0m**

**[00:04:01.736,358]**

**[0m<inf> app\_event\_manager: LOCATION\_MODULE\_EVT\_INACTIVE**

**[0m**

**[00:04:01.863,861]**

**[0m<inf> app\_event\_manager: DATA\_EVT\_DATA\_READY**

**[0m**

**AT#XCELLPOS=2**

**ERROR**