



Device Errata

NL-SW-LTE-QBG95

Skywire[®] Modem

NimbeLink Corp

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1. Applies to NimbeLink Part Numbers

Affected Part Numbers	Description	Firmware Version
NL-SW-LTE-QBG95	Skywire 4G LTE CAT M1/NBIOT Modem	BG95M3LAR02A03_01.004.01.004

2. Applications Affected

This Errata affects NL-SW-LTE-QBG95 modems manufactured before November 23, 2020. The software selection for the default SIM interface on affected modems contradicts the default value in the Skywire Datasheet and is set to the modem's soldered down Verizon SIM, instead of the modem's 3FF SIM card socket by default.

3. How to Identify Affected Devices

Devices with date codes prior to, and including, 4720 are affected. This includes devices with the following date codes:

- 3020
- 3120
- 3420
- 3520
- 4120
- 4220
- 4720



The date code is the last four digits of the modem's serial number located on the modem's label in a WWYY format where WW is the week of the year and YY is the two digit calendar year.

4. Workarounds

Applications must configure the desired SIM interface when using the modem. The commands for selecting the desired SIM interface is outlined below and is also outlined in the modem's datasheet.

To configure the modem to use the soldered down SIM issue the following commands to the modem in the order they appear below:

```
AT+CFUN=0
```

```
AT+QCFG="gpio",1,26,1,0,0,1
```

AT+QCFG="gpio",3,26,1,1

AT+CFUN=1

To configure the modem to use the SIM in the SIM card socket issue the following commands to the modem in the order they appear below:

AT+CFUN=0

AT+QCFG="gpio",1,26,1,0,0,1

AT+QCFG="gpio",3,26,0,1

AT+CFUN=1

Note: GPIO states for selecting the SIM interface will persist after reset, and the above AT commands will not need to be reissued each time the modem is powered on. Firmware updates may overwrite saved GPIO states, however.

5. Corrective Action

This issue has been corrected for devices with date codes after 4720. The modems functional test process has been updated to configure and save the state of the GPIO that controls the SIM selection to ensure the modems 3FF SIM interface is selected by default as documented in the modem's datasheet.

6. Contact

For further information please contact NimbeLink Technical Support:
product.support@nimbelink.com.

7. Version Information

A	GJN	Initial draft		2020/11/23
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This document identifies known exceptions to the functional specifications for the Skywire® modem product line and may include notes on conditions impacting performance outside of normal ranges. Conditions documented here may or may not be addressed in future revisions of products or product documentation.

For further information, NimbeLink customers may contact product.support@nimbelink.com.