

Device Errata

NL-SW-HSPA Skywire[®] Modem

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1. Affected Skywire Modems

Affected Skywire Modems
NL-SW-HSPA with specific date code

2. Affected Part Numbers

This errata addresses an issue involving SIM card detection on specific NL-SW-HSPA modems. On affected modems, the resistor R75 is missing from the modem PCB assembly, which causes the modem to think the SIM card is not present.

To determine if an NL-SW-HSPA modem is affected by this error, please locate the serial number starting with “BTW” on the label attached to the top of the device. If the first 9 digits of the serial number lie in the range: BTW 308430001 through BTW 308430589, then the modem is affected.

Please refer to figures 1 and 2 for the locations of the serial number and missing resistor, respectively.



Figure 1: The location of the serial number.

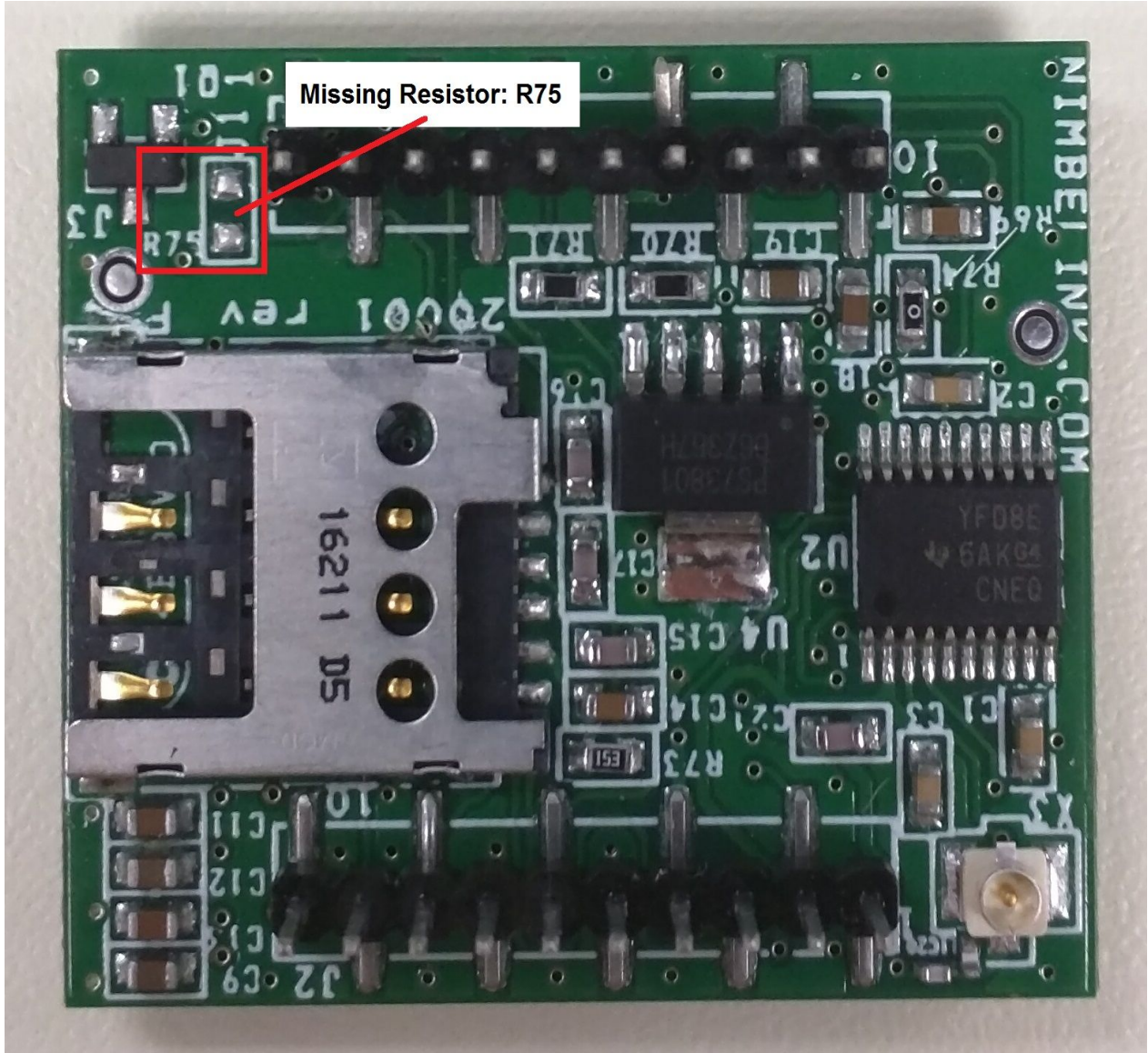


Figure 2: The location of the missing resistor, R75.

3. Workarounds

When resistor R75 is missing, the module's SIMIN pin is not tied to the correct state and the modem thinks the SIM card is not present. One workaround is to use an AT command to force the modem to think a SIM is present, independent of the external SIMIN state. This can be accomplished by issuing the AT command:

```
AT#SIMDET=1
```

Please note that this command must be issued each time the modem is restarted.

Alternatively, the modem can be returned to NimbeLink for repair. Feel free to contact us at product.support@nimbelink.com to request an RMA number.

4. Version Information

Version	Author	Purpose of Edit	Date
A	SDR	Initial Draft	05/07/2018