NORDIC SEMICONDUCTOR

Product Anomaly Notification (PAN)

Device affected (product name): nRF8002	**Active device version(s)**: BX
Date (YYYY-MM-DD): 2012-06-04	**PAN no.:** PAN-026
Nordic Semiconductor reference: Thomas Bonnerud	**Document version**: 1.0

Anomalies in active device version(s)

Summary:
1. Sleep on disconnect
2. UART pins
3. GPIO pins
4. Battery service

Marking / tracing:

```
 NRF BX
 8002
 YYWWLL
```
Build: BX

Where the letters on the last line of the chip marking means:
- Y = Year assembly marking, e.g. YY=12
- W = Week assembly marking, e.g. WW=35
- L = Wafer lot, step letters for each lot, e.g. LL={AA, AB,…,AZ, BA,…,ZZ, AA, AB,…}

Authorization for Nordic Semiconductor

Product Manager	Date:	Sign:
Thomas Embla Bonnerud	04.06.2012	

	Device version(s) affected: BX
## 1. Sleep on disconnect	

Symptoms:
If a peer device does a controlled terminate, then nRF8002 enters sleep mode.

Conditions:
If any device connects and then does a controlled terminate the nRF8002 will enter sleep mode.

Consequences:
Initial feedback from the market indicates this is poor behavior.

Workaround:
No workaround. This designed behavior will be changed in build code B by nRF8002 starting to advertise instead of entering sleep mode.

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Template approved by – ERO
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2. UART pins	**Device version(s) affected**: BX

Symptoms:
UART pins not defined after final OTP programming.

Conditions:
 After final OTP configuration

Consequences:
 Possible high leakage currents in low power modes due to floating inputs

Workaround:
Use pull down resistors on the UART pins. This anomaly will be fixed in build code B.

3. GPIO pins	**Device version(s) affected**: BX

Symptoms:
GPIOs can only source/draw 0.5 mA

Conditions:
 Standard behaviour

Consequences:
 None

Workaround:
No workaround. This design behavior will be configurable in build code B by allowing high drive feature, i.e. 5 mA.

4. Battery service	**Device version(s) affected**: BX

Symptoms:
Battery service always reports 100%.

Conditions:

Consequences:

Workaround:
No workaround. This anomaly will be fixed in build code B.