

# nRF21540

## Engineering B

**Errata**

v1.1

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# 1 nRF21540 Engineering B Errata

This Errata document contains anomalies for the nRF21540 chip, revision Engineering B (QDAA-FA0).

The document indicates which anomalies are fixed, inherited, or new compared to revision [Engineering A](#).

## 2 Revision history

See the following list for an overview of changes from previous versions of this document.

Version	Date	Change
nRF21540 Engineering B v1.1	11.02.2021	<ul style="list-style-type: none"><li>Added: No. 4. "Low PA or LNA gain"</li></ul>
nRF21540 Engineering B v1.0	22.10.2020	First release

# 3 New and inherited anomalies

The following anomalies are present in revision Engineering B of the nRF21540 chip.

ID	Module	Description	New in Engineering B
4		Low PA or LNA gain	X

Table 1: New and inherited anomalies

## 3.1 [4] : Low PA or LNA gain

This anomaly applies to IC Rev. Engineering B, build codes QDAA-FA0.

### Symptoms

Gain is low or negative in PA or LNA after enabling the feature. The gain can normalize after some time.

### Conditions

- PA: When transitioning RX->PG->TX.
- LNA: When transitioning TX->PG->RX.

### Consequences

TX output power is low in the beginning of TX state or RX sensitivity is low in the beginning of RX state.

### Workaround

None.

# 4 Fixed anomalies

The anomalies listed in this table are no longer present in the current chip version.

For a detailed description of the fixed anomalies, see the [Errata for revision Engineering A](#).

ID	Module	Description
1	RX	Spurs appear in output signal
2	RX	S11 is high

*Table 2: Fixed anomalies*