nRF7002

Revision 1

Errata

v1.1

NORDIC® SEMICONDUCTOR

Contents

1 nRF7002 Revision 1 Errata

This Errata document contains anomalies and configurations for the nRF7002 chip, Revision 1 (QFAA-B00).

2 Revision history

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

Version	Date	Change
nRF7002 Revision 1 v1.1	22.03.2023	• Added: No. 4. “QFN package dimension L is incorrect”
nRF7002 Revision 1 v1.0	02.03.2023	• Added: No. 1. “Reduced sensitivity in parts of the 2.4 GHz band”

3 New and inherited anomalies

The following anomalies are present in Revision 1 of the nRF7002 chip.

ID	Module	Description	New in Revision 1
1	RADIO	Reduced sensitivity in parts of the 2.4 GHz band	X
4	Mechanical specification	QFN package dimension L is incorrect	X

Table 1: New and inherited anomalies

3.1 [1] RADIO: Reduced sensitivity in parts of the 2.4 GHz band

This anomaly applies to Revision 1, build codes QFAA-B00.

Symptoms

Sensitivity is reduced on channels 5, 6, 7, 8, and 13 by 0.5-3.5 dB depending on modulation type and frame format.

Conditions

The device is receiving in channel 5, 6, 7, 8, or 13.

Consequences

Operating range is reduced for a given modulation type and frame format.

Workaround

None.

3.2 [4] Mechanical specification: QFN package dimension L is incorrect

This anomaly applies to Revision 1, build codes QFAA-B00.

Symptoms

In nRF7002 Product Specification v1.0 table Package dimensions in millimeters, the L dimension is incorrect.

Conditions

Always.

Consequences

The PCB is designed incorrectly which can lead to weaker solder joints between the package and PCB.

Workaround

Use 0.4 mm for the L dimension.