Silicon identification

This errata sheet applies to the ST25R3916 and ST25R3917 NFC products. These parts can be identified by reading the product revision code through SPI or I2C.

Identification by SPI or I2C

The part can be identified by reading the product revision code in the IC identity register at address 3Fh. The limitations described in this document apply for product revision 3.1, which corresponds to an IC identity register readout of 2Ah.
1 Summary of device limitations

Table 1 gives quick references to all documented limitations. Legend for Table 1: A = workaround available; N = no workaround available.

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<th>Links to limitation</th>
<th>Workaround</th>
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<td>ST25R3916 revision 3.1</td>
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<tr>
<td></td>
<td></td>
<td>N</td>
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## 2 Description of device limitations

The following sections describe device limitations and provide workarounds if available. They are grouped by device functions.

### 2.1 System

#### 2.1.1 Direct command *Change AM modulation state* does not change resistive modulation state (Applicable when bit res_am=1)

**Description**

The device allows amplitude modulation (AM) by using the concepts of regulation and resistive based modulation. The direct command *Change AM Modulation state* changes the AM modulation state from unmodulated to modulated, and vice versa. This command is not needed during normal operation but can be used e.g. to measure the AM modulation index. The command does only affect the regulator state and not the resistive modulation state.

**Workaround**

None
3 Revision history

<table>
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<tr>
<th>Date</th>
<th>Revision</th>
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<tr>
<td>29-Nov-2019</td>
<td>1</td>
<td>Initial release</td>
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