# ANT11TS33MxIB Module Errata

D00001453   Rev1.0

## Copyright Information and Usage Notice

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This document describes the known operation exceptions to ANT11TS33MxIB module. Workarounds or fixes are provided.

# 1    Module Revision

The Module revision refers can be identified in the following ways.

## 1.1    Production Tracking Code

Each ANT11TS33MxIB module has a tracking code printed on the product sticker. The last character denotes the revision.  The picture shows that the ANT11TS33M5IB is rev A.



## 1.2    Version String

In the case that the product sticker is hard to access or identification marker is blurred, an ANT version command 0x3E can be issued via the serial communication to acquire the version String.

| Revision | Version String |
|----------|----------------|
| C        | AGC1.05RAA [1]  |
| A/B      | AGC1.01RAA [1]  |

Note 1: "RAA" denotes this AT3 module is ANT11TS33MxIB.

# 2    Known Issues

## 2.1    Multiple Channel Collision

Rev A and B are affected. This issue has been fixed in rev C

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| **Symptoms:**<br><br>Having multiple channels on a single device with at least one master can cause prolonged blocked channel events and in some cases a channel outage of 2 seconds or more resulting in long data outages or searches on the slave device. |
| **Conditions:**<br><br>Channels of different message rates are opened on the same device, one being a master channel. The message rates are not synchronous relative to each other and thus collide over time. |
| **Consequences:**<br><br>Channel collision is unavoidable in this case of multiple channels at different message rate. But the issue causes higher than normal failures.  In some instances, this causes a 2 second outage for a master channel, which can result in the slave device dropping to search. |

**Workaround:**

If the multi-channel scenario is one master and some number of slaves, using channel 0 for the master channel can mitigate the issue.