RTS™ TECHNICAL BULLETIN

RTS-TB-007   **13-July-2012**

Coax Inter-Operability Issues with MADI Back Card & external 3rd party equipment

Issue Severity:	Product(s) Affected:
☒ **High:** URGENT – Immediate Action Required ☐ **Medium:** Bosch Security Systems, Inc. strongly recommends you take the action(s) described below. ☐ **Low:** Advisory	• MADI Back Cards when MADI coax directly connected to a Calrec console • MADI Back Card coax may or may not fail when connected to another 3rd party console

Notification Applies To:	Access Restrictions:
☒ Technical Support (TSS) ☒ Repair (ASA) ☒ Sales (NSO / RSO)	☐ Internal Distribution **ONLY** ☒ **No** Restrictions (Internal & External Distribution)

1.0   Issue

When connecting the MADI coax to a 3rd party console, the coax connection reports as 'Bad' in AZEdit's MADI status tab. The root cause is that the transceiver / encoder device implemented on the MADI back card does not meet the minimum receiver sensitivity required for interoperability. Low incoming signals to the MADI card may not be reliably detected.

2.0 Resolution / Corrective Actions

This item cannot be repaired in the field. The existing MADI Back Card requires a re-design with a hardware modification to correct this issue. This modification incorporates an amplifier (3x amplification of the receive input) which restores the input signal to a level compliant with the existing transceiver / encoder. This redesign activity is in process but not projected to be available for production until end of 2012.

In the interim, there are several suggested work-arounds:

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- Use optical connection instead of coax connection for this equipment
- Insert a MADI coax to optical converter between the RTS MADI card and the external equipment. The optical connection is attached to the RTS MADI while the coax connection is connected to the other unit.
- If available, connect via a 3rd party MADI router.

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