Cisco RF Gateway 1 Customer Release Notes, Release 1.02.09

Overview

Introduction

Software Release 1.02.09 is the first general release for the RF Gateway 1. This release provides support for the Wideband Data Specific and the Basic M-CMTS Data applications as outlined in the *Cisco RF Gateway 1 Configuration Guide*, part number 4025112. Table Based Video and Switched Digital Video applications are also covered, but not supported in this release. They will be supported in upcoming releases.

Purpose

The purpose of this document is to notify RF Gateway 1 users of the data applications supported and provide a workaround solution for the following issues.

- ITU-B ITU-A Configuration Change
- DTI Timing Offset Variability

Audience

This document is intended for system engineers or managers responsible for operating and/or maintaining this product.

Related Publications

Refer to the following documents for additional information regarding hardware and software.

- *Cisco RF Gateway 1 System Guide*, part number 4024958
- *Cisco RF Gateway 1 Configuration Guide*, part number 4025112

Safe Operation for Software Controlling Optical Transmission Equipment

If this document discusses software, the software described is used to monitor and/or control ours and other vendors' electrical and optical equipment designed to transmit video, voice, or data signals. Certain safety precautions should be observed when operating equipment of this nature.

For equipment specific safety requirements, refer to the appropriate section of the equipment documentation.

For safe operation of this software, refer to the following warnings.

WARNINGS:

- Ensure that all optical connections are complete or terminated before using this equipment to remotely control a laser device. An optical or laser device can pose a hazard to remotely located personnel when operated without their knowledge.
- Allow only personnel trained in laser safety to operate this software. Otherwise, injuries to personnel may occur.
- Restrict access of this software to authorized personnel only.
- Install this software in equipment that is located in a restricted access area.

In This Document

ITU-B to ITU-A Configuration Change Intermittently Fails

Description

The ITU-B to ITU-A configuration intermittently fails when a change is made and saved from the web interface.

Conditions

- This condition occurs when the RF Gateway 1 is configured to operate in ITU-A mode.
- This condition occurs when the initial configuration change from factory default ITU-B to ITU-A is made from the web interface.
- This condition is intermittent (random) and seldom occurs.

Instructions:

1. In the **QAM Encoding Type** field of the System/System Configuration page, change the ITU operating mode from ITU-B to ITU-A. Refer to the *Cisco RF Gateway 1 Configuration Guide*, part number 4025112 for more information.
2. Click **Apply.**

   Result: ITU-A should be displayed in the drop-down box.
3. Click **Save**.
4. Click **Reboot**.
5. After 2.5 minutes, reconnect the http browser (IE or FireFox) and navigate to the system page.
6. Verify the ITU-A setting is still displayed in the drop-down box. If so, proceed with configuration.

Workaround

In the unlikely event the ITU-B setting is displayed at the completion of Step 5, repeat steps 1 through 4 above.

DTI Timing Offset

Description

The DTI Timing Offset Variability related to FIFO initialization of firmware in the data path has been observed after subsequent reboots. DTI timing is consistent per reboot – no drift in DTI timing has been recorded while the RF Gateway 1 remains powered and initialized. Additionally, any operator configured DTI Offsets are stored properly in nonvolatile memory and implemented properly in the data path.

Conditions

- This condition affect systems configured and calibrated for load-balancing using dcc technique 4.
- This condition occurs when the RF Gateway 1 has entered into reboot from the webpage, front panel, or power cycle.

Instructions

1. Check and record the Timing Offsets (using show cable modem at the uBR10k CLI) of cable modems which have registered online on a primary channel carried by the RF Gateway 1.
2. Click **Reboot**.
3. Wait for the cable modem to achieve online status and recheck the Timing Offsets using show cable modem.

Workaround

In the event the RF Gateway 1 loses power and enters into reboot, the operator who wants to implement load-balancing via dcc technique 4 must recalibrate the DTI offsets to match other primary channels in the fiber node.

For Information

If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.

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