RELEASE NOTES

Ruckus LTE AP Release Notes SC 02.03.01.0031

Part Number: 800-72371-001 Rev A
Publication Date: June 2019

© 2019 ARRIS Enterprises LLC. All rights reserved.

ARRIS, the ARRIS logo, Ruckus, Ruckus Wireless, the Ruckus logo, and the Big Dog design are trademarks of ARRIS International plc and/or its affiliates. All other trademarks are the property of their respective owners.

No part of this content may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from ARRIS International plc and/or its affiliates ("ARRIS"). ARRIS reserves the right to revise or change this content from time to time without obligation on the part of ARRIS to provide notification of such revision or change.

ARRIS provides this content without warranty of any kind, implied or expressed, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. ARRIS may make improvements or changes in the products or services described in this content at any time. The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice.

Contents

About This Release 4
Supported Access Points 4
New Features 4
Resolved Issues 5
Unresolved Issues 5
Limitation 5

About This Release

This document provides release information for Ruckus LTE AP Release SC 02.03.01.0031, including information on new features, resolved issues, open issues, and other related details.

Supported Access Points

Ruckus LTE AP Release SC 2.3.1 supports the following Access Point models:

P01-Q910-US02
P01-Q710-US02
P01-Q410-US01

NOTE
P01-Q910-US00 and P01-Q710-US00 are also be supported.

New Features

Following new features are introduced in Ruckus LTE AP Release SC 2.3.1:

- **Channel-based Power Selection:** With Release 2.3.1, Ruckus LTE AP calculates its transmit power based on the selected channel, bandwidth, and AP model. In an ideal situation, LTE AP can transmit at 24 dBm per antenna. With Channel-based power selection, LTE AP will transmit with lower power when operating on edge frequency of Citizen Broadband Radio Service (CBRS) range.

  LTE APs use the following values for maximum power depending on the AP model and spectrum bandwidth being used.

Ruckus LTE AP		Power
Single Channel (10 MHz)		22 dBm
Single Channel (20 MHz)		23 dBm
CA SDL - PCell and SCell both 20 MHz		
Q710		22 dBm
Q910	Any channel at edge frequencies, i.e., 3560 MHz or 3690 MHz.	22 dBm
	Any channel at 10 MHz from edge frequencies, i.e., 3570 MHz or 3680 MHz and other carrier is not at edge.	22.5 dBm
	Any channel at 20 MHz from edge frequencies, i.e., 3580 MHz or 3670 MHz and other is not at the edge or within 10 MHz from edge.	23.5 dBm
	Channels other than the above.	24 dBm

- **Certificate updates:** Ruckus LTE AP supports ARRIS PKI and WINNFORUM PKI certificates. Two device entity certificates are generated (two for each PKI) corresponding to the two key-pairs specific to each LTE AP. For ARRIS PKI as well as WINNFORUM PKI, there is a dedicated root CA certificate and intermediate CA certificate. Thus, the following certificates are present on LTE AP supporting ARRIS PKI and WINNFORUM PKI certificates:

ARRIS PKI	– Two ARRIS PKI device entity certificates from ARRIS PKI associated with LTE AP serial number suffixed with indices 1 and 2 (corresponding to the two certificates generated - one each per key-pair). – ARRIS PKI Root CA certificate – ARRIS PKI Intermediate CA certificate

WINNFORUM PKI	– Two WINNFORUM PKI device entity certificates from WINNFORUM PKI associated with LTE AP serial number suffixed with indices 1 and 2 (corresponding to the two certificates generated - one each per key-pair). – WINNFORUM PKI Root CA certificate – WINNFORUM PKI Intermediate CA certificate

Resolved Issues

The following section lists resolved issues in SC 2.3.1:

- Resolved an issue that incorrectly reported number of active UEs as 0 when in fact 32 UEs are connected to a CA-enabled LTE AP.
- Resolved an issue due to which LTE AP stops heartbeat request when Spectrum Access System (SAS) is unreachable for sometime.

Unresolved Issues

Following are the unresolved issues in LTE AP SC 2.3.1.

- In certain scenarios, Time critical/admin based HO fails as UE reports own SCC (being strongest) repetitively in measurement report.

Limitation

- TDD Configuration 2 support is turned off on this release to address critical bugs found during internal testing.

© 2018 ARRIS Enterprises LLC. All rights reserved.
Ruckus Wireless, Inc., a wholly owned subsidiary of ARRIS International plc.
350 West Java Dr., Sunnyvale, CA 94089 USA
www.ruckuswireless.com