

Reliable RCWA Exam Test, Latest RCWA Test Questions



RCWA RUCKUS Certified Wi-Fi Associate Exam



HIGHLIGHTS

How to Register

Register online at the [RUCKUS Certifications Store](#)

Passing Score

67% or better

Number of Questions

52

Exam Duration

2 Hours

Proctoring

This exam is **remote proctored**.

See the [What to Expect](#) document for details.

Validity Period

The RCWA Certification is valid for a period of three (3) years

Retake Policy

Once passed, you may not retake the exam except to recertify.

If failed, you may retake the exam immediately, however, after a second attempt you must wait 14 days. After a third or fourth attempt, you must wait 30 days. No more than 5 retakes are allowed within one year from your first attempt.

Exam Description

As a RUCKUS Certified Wi-Fi Associate (RCWA), you must be able to design, deploy and manage RUCKUS Wi-Fi solutions in a variety of production environments. This exam assesses your ability to design, configure, administer, troubleshoot and optimize RUCKUS Wi-Fi solutions.

The price for sitting the exam is \$150 USD.

Ideal Candidate

Before attempting the exam, you should have these critical competencies and experience:

- Basic RF fundamentals and methodologies
- Basic Routing and Switching
- Basic understanding of the IEEE 802.11 standards
- Purpose and methodologies of RF Site Surveys
- Data Networking Services (DHCP/DNS/NAT/Firewall/RADIUS/PoE/NTP/Certificates/LDAP)
- RUCKUS Wi-Fi products and supporting software
- RUCKUS differentiating features and their functions (BeamFlex, ChannelFly)

Preparatory Courses and Study Materials

RUCKUS provides a variety of free online supporting courses listed on page 3 of this document. The Exam Blueprint starting on page 2 an overview of the topics covered in the exam. You can also use our [RCWA Nutshell Study Guide](#).

Target Audience

This certification is designed for wireless network designers, installers and administrators, Wi-Fi solutions architects and Wi-Fi support engineers tasked with design, installation, configuration, management, administration and troubleshooting of RUCKUS Wi-Fi deployments.

Self-Assessment Worksheet

To help you identify areas to focus your study activities, we offer a [self-assessment worksheet](#) that allows you to rate your confidence on the many topics covered in the exam. Below you'll find a blueprint of these topics with links into support documentation, followed by a list of supporting courseware.



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RUCKUS RCWA Exam Questions Are Designed By Experts

The RUCKUS Certified Wi-Fi Associate Exam (RCWA) exam preparation material is available in three different formats for the

customers. The formats are PDF format, web-based software, and RUCKUS RCWA desktop practice exam software. The portable PDF format means customers can access real RUCKUS Certified Wi-Fi Associate Exam (RCWA) exam questions on their smartphones, tablets, and laptops. The PDF format can be printed and customers can also make proper RCWA exam notes.

RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q54-Q59):

NEW QUESTION # 54

When designing a multi-floor deployment in RUCKUS Wi-Fi Planner, which adjustment best prevents co-channel interference between floors?

- A. Lower transmit power on lower floors
- B. Enable SmartMesh across floors
- C. Use different 2.4 GHz channels per floor
- D. Increase the number of APs per floor

Answer: C

Explanation:

To minimize co-channel interference (CCI) in multi-floor Wi-Fi environments, planners should assign different non-overlapping 2.4 GHz channels per floor—typically channels 1, 6, and 11.

According to RUCKUS One Online Help - RF Planning Best Practices, overlapping floors can cause vertical signal leakage, leading to channel contention and performance degradation. The RUCKUS Wi-Fi Planner allows layer-based channel mapping to simulate floor separation and interference.

While reducing transmit power can complement this strategy, channel segregation remains the primary CCI mitigation method. Increasing AP density or enabling SmartMesh does not resolve channel reuse conflicts in vertical topologies.

References:

RUCKUS One Online Help - Multi-Floor Wi-Fi Design and Channel Planning

RUCKUS Analytics 3.5 User Guide - Interference Detection and Channel Utilization RUCKUS AI Documentation - RF Optimization in Vertical Environments

NEW QUESTION # 55

Which log category in SmartZone provides details about AP join requests and firmware compatibility issues?

- A. AP Manager Log
- B. System Log
- C. Events Log
- D. Control Plane Log

Answer: A

Explanation:

The AP Manager Log within SmartZone is dedicated to monitoring access point registration, join processes, firmware version checks, and heartbeat communication with the controller.

As stated in the RUCKUS One Online Help - Log Categories and Troubleshooting and the RUCKUS Analytics 3.5 User Guide - Device Connectivity Diagnostics, the AP Manager Log records messages about:

- * AP registration attempts
- * Join authorization success/failure
- * Firmware mismatch detection and upgrade triggers

The System Log covers controller-level events, the Events Log records systemwide notifications, and the Control Plane Log captures traffic flow analytics.

References:

RUCKUS One Online Help - SmartZone Logging and Event Analysis

RUCKUS Analytics 3.5 User Guide - Device Join and Firmware Status Analysis RUCKUS AI Documentation - SmartZone Logging Architecture

NEW QUESTION # 56

Which 802.11 amendment introduced the concept of frame aggregation to improve throughput efficiency?

- A. 802.11a

- B. 802.11ac
- C. 802.11ax
- **D. 802.11n**

Answer: D

Explanation:

The 802.11n amendment introduced frame aggregation to enhance throughput efficiency by reducing MAC-layer overhead. It combines multiple data frames into a single transmission unit, improving performance under high traffic loads.

According to RUCKUS One Online Help - 802.11 Standards Overview and RUCKUS Analytics 3.5 User Guide - PHY Efficiency Metrics, 802.11n added A-MSDU (Aggregate MAC Service Data Unit) and A-MPDU (Aggregate MAC Protocol Data Unit) mechanisms to optimize data transfer. This significantly increased throughput compared to earlier 802.11a/b/g implementations. Subsequent standards like 802.11ac and 802.11ax further refined aggregation efficiency but built upon the original concept from 802.11n.

Reference:

RUCKUS One Online Help - Wi-Fi 4 (802.11n) Efficiency Enhancements
 RUCKUS Analytics 3.5 User Guide - Aggregation and Throughput Analysis
 RUCKUS AI Documentation - Frame Aggregation in High-Efficiency Wi-Fi

NEW QUESTION # 57

What unit is commonly used to display RSSI values?

- A. Ohms
- B. Watts
- **C. dBm**
- D. dBi

Answer: C

Explanation:

RSSI (Received Signal Strength Indicator) is a key measurement representing the power level of a received RF signal. It is typically displayed in dBm (decibel-milliwatts), a logarithmic unit that expresses the power relative to 1 milliwatt. In Wi-Fi systems, RSSI values usually range between -30 dBm (excellent) and -90 dBm (very weak).

According to the RUCKUS One Online Help and the RUCKUS Analytics 3.5 User Guide, signal strength metrics shown in dashboards, client views, and RF reports are represented in dBm for consistency across platforms. This allows network engineers to correlate signal levels with client connectivity performance and thresholds used for roaming or troubleshooting.

Other units such as dBi refer to antenna gain, Watts measure absolute power (not typically used in client reporting), and Ohms measure resistance. Thus, dBm is the correct and standard unit used for RSSI measurement in RUCKUS and all IEEE 802.11-based systems.

Reference:

RUCKUS One Online Help - Radio Settings and Signal Strength Indicators
 RUCKUS Analytics 3.5 User Guide - Client Signal and Noise Metrics
 RUCKUS AI Documentation - Understanding RSSI, SNR, and RF Metrics

NEW QUESTION # 58

Which tool verifies RF spectrum for valid Wi-Fi networks and sources of non-Wi-Fi interference?

- A. RUCKUS Wi-Fi Planner
- B. Predictive site survey software
- C. WLAN discovery tool
- **D. Chanalyzer**

Answer: D

Explanation:

Chanalyzer is a specialized RF spectrum analysis tool developed for use with Wi-Spy spectrum analyzers. It is used to visualize and validate Wi-Fi and non-Wi-Fi interference sources across the 2.4 GHz and 5 GHz bands.

According to the RUCKUS One Online Help - Spectrum Analysis and RF Interference Tools, spectrum analysis tools like Chanalyzer can detect non-802.11 interference sources such as microwave ovens, Bluetooth devices, DECT phones, and radar.

signals. While RUCKUS APs have built-in spectrum analysis mode, Chanalyzer provides external, high-resolution spectrum visualization that helps confirm interference sources in physical environments.

In contrast, RUCKUS Wi-Fi Planner (or Wi-R Planner) is used for predictive RF design and coverage estimation, not live interference detection. The WLAN discovery tool identifies SSIDs and basic network parameters but cannot detect non-Wi-Fi signals. Therefore, the correct answer is D (Chanalyzer) - the standard tool for verifying valid Wi-Fi operation and identifying non-Wi-Fi interference sources.

References:

RUCKUS One Online Help - Spectrum Analysis Overview and External Tool Support RUCKUS Analytics 3.5 User Guide - RF Performance and Noise Source Detection RUCKUS AI Documentation - RF Troubleshooting and Spectrum Validation

NEW QUESTION # 59

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