

RCWA參考資料 & RCWA最新考證


该过程使用粒子群优化算法优化SRG的傾斜角、填充系数和光層高度，以最大限度满足设计需求。

由于LMA RCWA暂时没有集成优化算法，所以我们以该例子为例，采取固定的参数设置，获取其0阶、1阶、-1阶、2阶、-2阶的透射率。

参数设置:

周期Period	300nm
宽度Width	200nm
高度Height	300nm
傾斜角Slant Angle	45°
波长WaveLength	550nm
入射阶数	±3
Grid 1阶阶数	±3
傾角角theta	90°
为位置phi	90°
Grid 2阶阶数	(10, 0)
光源	平面波, 垂直为1, 极化
分型	3D

结构分阶说明: 由于RCWA算法求解的结构在某一个方向必须是固定的, 所以对于栅状结构, 通过分层的方法将其近似成多层±方向均匀的矩形结构叠叠而成; 阶数越多越精确, 但相应的内存和时间耗资或大幅度增加。



透射率:

	0阶	1阶	-1阶	2阶	-2阶
LMA	0.35198781	0.02715119	0.56053206	9.40252e-20	1.04217e-17
Golden	0.352107	0.0271566	0.560589	3.254e-20	3.254e-17

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BONUS!!! 免費下載PDFExamDumps RCWA考試題庫的完整版: https://drive.google.com/open?id=1qwvbkNe_y_orK4JJCueNYPTCM6YnNC-2

在你決定購買PDFExamDumps的RUCKUS的RCWA的考題之前, 你將有一個免費的部分試題及答案作為試用, 這樣一來你就知道PDFExamDumps的RUCKUS的RCWA考試的培訓資料的品質, 希望PDFExamDumps的RUCKUS的RCWA考試資料使你的最佳選擇。

RUCKUS RCWA 考試大綱:

主題	簡介
主題 1	<ul style="list-style-type: none"> RUCKUS Wi-Fi Solution Management: This section of the exam measures skills of the Certified Logistics Associate and covers the necessary administrative and maintenance tasks for the overall solution. This includes managing system upgrade paths, defining and controlling administrator roles using directory services and Multi-Factor Authentication (MFA), monitoring network events and alarms, and performing critical functions like backup and restoration on the SmartZone controller. It also addresses generating reports, setting health thresholds, and identifying and locating rogue access points on a map.
主題 2	<ul style="list-style-type: none"> Wi-Fi Solution Enhancement through Tuning and Optimization: This section of the exam measures skills of the Certified Logistics Technician and focuses on advanced techniques for fine-tuning and optimizing Wi-Fi network performance after deployment. It includes balancing load and frequency bands, implementing airtime fairness and decongestion methods, and using advanced 802.11 roaming amendments (k, r, v) to improve client mobility. The section also covers optimizing radio settings, such as Client Admission Control (CAC), and managing channel selection and power optimization, including the use of DFS and RUCKUS AI features.
主題 3	<ul style="list-style-type: none"> Wi-Fi Solution Troubleshooting & Repair: This section of the exam measures skills of the Certified Logistics Associate and covers the essential processes for data gathering, analysis, and troubleshooting common issues, such as client connectivity failures and problems with AP-to-controller communication. It requires using diagnostic tools, including built-in speed tests and packet frame capture, as well as understanding how to use logs and integrate with communication protocols like AAA, Syslog, and SNMP for effective diagnosis and repair.

>> RCWA參考資料 <<

RCWA最新考證 & RCWA考試證照

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最新的 High-stakes Industry Certifications RCWA 免費考試真題 (Q46-Q51):

問題 #46

When planning a Wi-Fi network in RUCKUS Wi-Fi Planner, what is the primary purpose of defining attenuation values for wall materials?

- A. To calculate client RSSI thresholds
- B. To determine DHCP lease distribution zones
- C. To adjust AP channel width automatically
- D. To simulate RF signal loss for coverage prediction

答案: D

解題說明:

In RUCKUS Wi-Fi Planner, defining attenuation values for wall materials enables the simulation of RF signal loss across physical barriers such as drywall, concrete, or glass.

According to RUCKUS One Online Help - Wi-Fi Planner RF Modeling, accurate wall attenuation data allows the planner to predict signal propagation and coverage maps with greater accuracy. This ensures optimal AP placement and reduces coverage overlap or dead zones.

The RUCKUS Analytics 3.5 User Guide - RF Validation Reports confirms that modeling real-world materials provides reliable pre-deployment visibility of expected SNR and throughput performance.

Other options-like RSSI thresholds or DHCP zoning-are not part of RF prediction modeling.

Reference:

RUCKUS One Online Help - RF Prediction and Attenuation Setup

RUCKUS Analytics 3.5 User Guide - Pre-deployment and Validation Reports RUCKUS AI Documentation - Predictive RF Design and Material Modeling

問題 #47

An admin has created a RUCKUS GRE tunnel profile in SmartZone.

Why is the new tunnel unavailable in the GRE Tunnel Profile dropdown when configuring the WLAN?

- A. GRE tunnel has not been associated with an AP Zone.
- B. WLAN does not support GRE tunnels.
- C. A split tunnel profile has not been created.
- D. The maximum GRE tunnel count has been reached.

答案: A

解題說明:

In SmartZone, Generic Routing Encapsulation (GRE) tunnels are used to encapsulate client traffic and forward it to a remote gateway, typically for security or centralized routing.

As described in RUCKUS One Online Help - GRE Tunneling Configuration, a tunnel profile becomes available for WLAN association only when it is explicitly linked to an AP Zone. This ensures that all APs in the zone can apply the correct tunnel endpoint and keying parameters.

If a GRE profile is not mapped to a zone, it will not appear in the WLAN configuration dropdown, even if successfully created.

Other options are incorrect because SmartZone supports GRE for WLANs by design, split-tunnel profiles are optional, and tunnel count limitations are far higher than typical enterprise use.

Reference:

RUCKUS One Online Help - GRE Tunnel Profile Configuration and Zone Binding RUCKUS Analytics 3.5 User Guide - Tunnel Status and Performance Metrics RUCKUS AI Documentation - GRE Tunneling Architecture and Troubleshooting

問題 #48

Which capability within Client Isolation will allow clients to access specific destinations within the same subnet?

- A. Access control list
- B. Directed multicast
- C. Gateway access list

- **D. Isolation whitelist**

答案: D

解題說明:

The Client Isolation feature on RUCKUS access points and controllers prevents wireless clients connected to the same SSID from communicating directly with each other within the same subnet. This is particularly important for guest or public networks to enhance security and privacy. However, administrators may sometimes need to allow access to specific network services or devices—such as printers, gateways, or media servers—within that same subnet.

RUCKUS systems address this need through the Isolation Whitelist capability. As described in the RUCKUS One Online Help and RUCKUS Cloud documentation, the Isolation Whitelist allows administrators to specify destination IP or MAC addresses that are exempt from client isolation rules. This enables controlled access without fully disabling client isolation across the network. Other options like directed multicast or access control list (ACL) manage traffic types or filtering policies but are not specific to client-to-client communication exceptions. Therefore, the Isolation Whitelist is the correct answer.

References:

RUCKUS One Online Help - WLAN Configuration: Client Isolation and Whitelist Options RUCKUS Analytics 3.5 User Guide - WLAN and Client Policy Analysis RUCKUS AI Documentation - Wireless Network Security and Client Isolation Controls

問題 #49

What is the most effective RUCKUS tool to identify chronic connectivity failures affecting specific clients over time?

- A. SmartZone Trace Tool
- B. Cluster Diagnostics
- **C. RUCKUS Analytics**
- D. SmartMesh Dashboard

答案: C

解題說明:

RUCKUS Analytics provides historical and AI-driven insights into network health and client connectivity trends. It identifies chronic connectivity issues, such as repeated association failures, high retry rates, or roaming delays, over extended timeframes.

According to the RUCKUS Analytics 3.5 User Guide - Client Troubleshooting and Service Assurance, the platform uses machine learning to analyze large volumes of telemetry data from APs, automatically flagging recurring issues per client or SSID.

The SmartZone Trace Tool captures short-term packet traces, while Cluster Diagnostics and SmartMesh Dashboard focus on infrastructure health—not client behavior.

References:

RUCKUS Analytics 3.5 User Guide - Client Experience and Failure Pattern Analysis RUCKUS One Online Help - RUCKUS Analytics Integration and Insights RUCKUS AI Documentation - Predictive Issue Detection and Root Cause Analysis

問題 #50

Which RUCKUS feature in RUCKUS Analytics automatically identifies the root cause of service-impacting events using correlation analysis?

- **A. AI Anomaly Detection**
- B. Health Summary Dashboard
- C. Event Timeline Viewer
- D. SmartCast

答案: A

解題說明:

AI Anomaly Detection in RUCKUS Analytics uses machine learning to detect, classify, and correlate service-impacting events such as authentication failures, RF interference, and backhaul latency.

According to RUCKUS Analytics 3.5 User Guide - AI-Driven Insights, this feature correlates telemetry across APs, clients, and switches to isolate root causes automatically. It identifies deviations from normal baselines and links related issues under unified incident reports.

RUCKUS One Online Help - Anomaly Detection and Correlation Engine confirms this system dramatically reduces troubleshooting time by surfacing the exact source of network degradation.

Other tools like Event Timeline Viewer and Health Dashboard visualize events but do not perform automatic RCA (Root Cause

Analysis).

Reference:

RUCKUS Analytics 3.5 User Guide - AI-Driven Incident Correlation

RUCKUS One Online Help - Anomaly Detection and Intelligent Correlation

RUCKUS AI Documentation - Predictive Root Cause Analysis Engine

問題 #51

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