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**QUESTION 1**

What is the meaning of a Real Time FFT graph?

- A. Real Time FFT means Real Time First Fundamental Trace and shows the value of the first signal detected on each frequency at each sweep interval.
- B. Real Time FFT means Real Time Fast Frequency Timing and shows the RF pulses measured by the Layer 1 sweep tool.
- C. Real Time FFT means Real Time Fast Fourier Transform and shows the max value of the signal detected on each frequency in real time.
- D. Real Time FFT means Real Time Frequency Fundamental Texture and shows the value of the noise background generated by the card used to perform the
- E. Real Time FFT means Real Time Fast Fourier Transform and shows the max value of the signal detected on each frequency in real time.

Correct Answer: C

QUESTION 2

Why should band steering algorithms allow stations to connect to the 2.4 GHz band after some number of ignored Probe Requests?

- A. Because the FCC requires it.
- B. Because some clients are persistent clients that will not move on to the 5 GHz band.
- C. Because the 802.11 standard requires it.
- D. Because the AP will experience a buffer overflow if they do not eventually respond with a Probe Response.

Correct Answer: B

QUESTION 3

As you plan a WLAN upgrade, you have assessed the network requirements and data signatures of your applications. One of the popular applications used on your network requires high bandwidth and low to medium Wi-Fi loss, but can tolerate moderate latency and jitter.

What application matches this description?

- A. Voice
- B. Email
- C. Skype chat
- D. Video-on-demand



Correct Answer: B

QUESTION 4

What statements are true regarding jitter and latency?(Choose all that apply.)

Response:

- A. Jitter is a measurement of latency variability from one frame to another.
- B. Jitter is a measurement of the variance of the number of frames received from an application for a specific time interval.
- C. Jitter is a measurement of average latency based on a sample of >100 frames.
- D. Latency is a measurement of the time delay experienced in the delivery of a frame.
- E. Latency is a measurement of the time required to transmit two subsequent frames.

Correct Answer: AD

Jitter and latency are two important metrics for measuring the quality and performance of wireless networks, especially for real-time applications such as voice and video. Latency is the average time taken for a data packet to reach the destination, while network jitter is the irregularity in latency. When the latency is consistently high, it can mean a slow but stable connection. On the other hand, a high jitter means there may be sporadic disruptions or delays in the transmission, which can affect the quality of service and user experience. Jitter is caused by various factors, such as network congestion, interference, routing changes, hardware issues, or packet prioritization. Jitter can be measured by calculating the difference between the latency of two consecutive packets, or by using the standard deviation of the latency of a sample of packets. Jitter can be reduced by using Quality of Service (QoS) mechanisms, such as traffic shaping, queuing, or scheduling, which can prioritize the packets based on their importance and sensitivity to delay. Jitter can also be mitigated by using jitter buffers, which can store the incoming packets and smooth out the variations in latency before delivering them to the application. References: CWNP, CWDP Certified Wireless Design Professional Official Study Guide, Network Jitter - Common Causes and Best Solutions, Network Jitter vs Latency: What's the Difference and Why Does It Matter, Jitter vs Latency - What's The Difference and Why it Matters

QUESTION 5

When implementing WLAN security according to common best practices, what feature should be enabled when configuring an EAP type?

- A. The "Use WEP if RADIUS server unavailable" option
- B. The "Validate server certificate" option
- C. The "Trusted Root Certification Authorities" list
- D. The "Do not prompt user to authorize new servers or trusted certification authorities" option

Correct Answer: B



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