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**QUESTION 1**

Which type of authentication and encryption method is mandatory for Voice Enterprise certified devices as specified by the Wi-Fi Alliance?

- A. WPA2/AES Personal
- B. WPA2/TKIP Enterprise
- C. WPA2/AES Enterprise
- D. WPA/TKIP Personal

Correct Answer: A

QUESTION 2

What limitation exists when WMM is not enabled on an 802.11n WLAN?

- A. 802.11 QoS will not be available
- B. The maximum channel-width will be 20MHz
- C. EDCA values will change
- D. Only two ACs will be available

Correct Answer: A

Reference: <https://mrnciew.com/2013/07/30/wmm-qos-profile/>

QUESTION 3

When surveying an existing WLAN infrastructure for a possible redesign, you use two Wi-Fi USB adapters to collect RSSI data and two USB spectrum analysis adapters to collect RF spectrum data. Since your laptop doesn't have enough USB ports, you use a 4-port powered USB 3.0 hub. What issues could be caused by the use of USB 3.0 that will impact your site survey?

- A. It does not give you enough bandwidth to collect data coming from all of the adapters.
- B. It does not give you enough power for all four of your adapters.
- C. It generates noise in the 2.4 GHz band, giving you a false perception of the noise floor.
- D. It generates noise in the 5 GHz band, giving you a false perception of the noise floor.

Correct Answer: C

Reference: <https://support.ekahau.com/hc/en-us/articles/235437007-USB-3-0-Causing-High-Noise-Floorand-Its-Impact-on-Site-Surveys>

**QUESTION 4**

After designing and deploying a WLAN infrastructure, you realized the CCI is causing poor performance in the 2.4 GHz band. Primarily, you've designed the WLAN for 5 GHz and 2.4 GHz as a best effort. You found out that the implementers didn't follow your guidelines when configuring the WLAN infrastructure.

What can you do to minimize as much as possible the CCI impact in the 2.4 GHz band?

- A. Add more APs to the infrastructure
- B. Increase the transmit power on all APs
- C. Turn-off 2.4 GHz radios on some APs
- D. Use all channels available in the 2.4 GHz band

Correct Answer: C

QUESTION 5

A controller-based WLAN infrastructure has its controller on a different subnet than its APs. What device must be used to enable any communication between the Controller and the APs?

- A. NTP server
- B. Router
- C. PoE Layer 2 switch
- D. Wireless bridge

Correct Answer: B

Reference: <https://www.speaknetworks.com/cisco-wireless-controller-configuration/>

QUESTION 6

When using a predictive design tool, you have selected APs with an antenna gain 3 dBi and set the transmit power of the predicted APs to 25 mW. What should be EIRP of the APs in the design?

- A. 11 dBm
- B. 6.25 mW
- C. 125 mW D. 17 dBm

Correct Answer: D

**QUESTION 7**

You're about to deploy an Enterprise-class VoWLAN infrastructure. You need to ensure that QoS is properly configured throughout the network. What Access Category (AC) should voice frames/packets use?

- A. AC_VI
- B. AC_VO
- C. AC_BE
- D. AC_BK

Correct Answer: B

Reference: <http://support.huawei.com/enterprise/docinforeader!loadDocument1.action?contentId=DOC1000019455andpartNo=10022>

QUESTION 8

You and 10 other people are connected to a public hotspot. You issue a ping sweep on the network, but you can't find any devices on the same subnet as yours. What feature might be enabled on the WLAN infrastructure that is preventing you from communicating with other devices on that subnet?

- A. Peer-to-peer blocking
- B. OSPF external routes
- C. Band steering
- D. Load balancing

Correct Answer: A

QUESTION 9

When designing a static channel plan for an office using voice devices near an airport, which range of channels should be avoided to ensure optimal performance when implemented?

- A. 36-40
- B. 44-48
- C. 116-124
- D. 1-11

Correct Answer: C

QUESTION 10



When doing some frame capturing over the air during a voice call, you realized that frames on the downlink (from the AP to the client) direction are not being transmitted with the correct UP value for voice frames, but on the uplink (from the client to the AP) direction are being transmitted correctly. What's the cause of this issue?

- A. Bad client driver
- B. AP is not receiving enough PoE, thus not using QoS features
- C. Somewhere on the wired network QoS markings aren't being trusted
- D. Faulty antenna on the AP

Correct Answer: B

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