

300-360 - WIDESIGN Designing Cisco Wireless Enterprise Networks

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1. The AP has been configured properly for a VoWLAN survey. The RF environment contains a noise of -87 to -90 dBm. What is the target value for the cell edge reading?

- A. -62 dBm
- B. -67 dBm
- C. -60 dBm
- D. -70 dBm

Answer: B

2. A hospital environment was designed to guarantee RF coverage at or better than -67 dBm in the 5 GHz spectrum. The customer mandates that RRM be used for DCA and TPC in both bands. After deployment, why do many of the legacy 802.11b/g devices have difficulty maintaining connectivity?

- A. Excessive co-channel interference in the 2.4 GHz band exists.
- B. Excessive overlapping channels in the 2.4 GHz band exists.
- C. TPC drastically reduces Tx power in the 2.4 GHz band.
- D. TCP drastically increases Tx power in the 2.4 GHz band.

Answer: C

3. An engineer must design wireless coverage in thick-walled stairwells. Which information should the engineer refer to when determining where APs can be installed?

- A. Local or National Building Code
- B. IEEE
- C. BICSI TDMM
- D. Cisco Hardware Installation Guide

Answer: D

4. An engineer would like to calibrate the RF environment to improve accuracy. Which wireless attribute is added to the floor-level calculation by calibrating the floor?

- A. attenuation
- B. TX power
- C. multipath

D. SNR

Answer: A

5. Which two best practices should be considered when a customer wants to purchase and implement Voice over Wireless for Cisco 7925 IP Phones? (Choose two.)

A. Enable lower data rates for 2.4-GHz data WLAN and higher data rates for phones.

B. Use a separate Cisco Wireless Lan Controller.

C. Enable 802.1x and Cisco Centralized Key Management for phone authentication.

D. Use dedicated Access Points only for Voice over Wireless.

E. Set data for 2.4 GHz and voice for 5 GHz using separate SSIDs.

Answer: C,E

6. A network engineer wants the DSCP marking to align with the 802.11e access category video. What will this marking be?

A. 34

B. AF31

C. 4

D. 5

Answer: A

7. Which three recommendations must be taken into consideration when an engineer is installing a new Voice WLAN? (Choose three.)

A. Use the Cisco wireless phone site survey client utility.

B. Use a separate Cisco Wireless Lan Controller.

C. Enable load balance on voice WLANs.

D. Maintain -67dBm as a minimal RSSI.

E. Set data for 2.4 GHz and voice for 5 GHz using separate SSIDs.

F. Enable lower data rates for 2.4-GHz data WLAN.

Answer: A,D,E

8. A customer has dual-band devices that they want to use 40 MHz channels. If the customer is using Cisco 3600 Series access points with a 5508 controller. Which setting assists with this change?

- A. Enable band select globally.
- B. Enable aggressive load balancing.
- C. Disable lower data rates on 802.11G GHz radios.
- D. Disable overlapping 802.11G channels.

Answer: A

9. Which two options describe best practices that must be completed after a wireless installation is finished?

(Choose two.)

- A. Make sure that there are no spaces between the devices on the rack that the Wireless Lan Controller is installed.
- B. Consult with the customer to ensure that the IT staff has a complete set of design and installation documents.
- C. Make sure the customer is aware that they should consider purchasing a support contract immediately after the installation is complete.
- D. Spend time with the customer to show them the controller GUI and inform them how they can reach the Cisco TAC if they have any problems.
- E. Test all the customer's wireless devices and applications to ensure they are working properly.

Answer: B,E

10. A cabling contractor is working at a customer facility. The contractor is asking what rating of cable should be installed in return-air areas. Which information can be referenced to provide the contractor the requested information?

- A. OSHA Codes
- B. BICSI TDDM
- C. NEC Ratings
- D. IEEE Standards

Answer: B

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