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**QUESTION 1**

What can cause an excessively high VSWR (Voltage Standing Wave Ratio) in a WLAN RF transmission line?

- A. An impedance mismatch in the RF cables and connectors
- B. Reflected direct current (DC) voltage on the main RF signal line
- C. Attenuation of the RF signal as it travels along the main signal path
- D. Crosstalk (inductance) between adjacent RF conductors

Correct Answer: A

QUESTION 2

When compared with legacy Power Save mode, how does WMM-PS improve voice device and application performance?

- A. WMM-PS identifies and prioritizes incoming VoIP data and delivers it immediately
- B. WMM-PS uses a trigger-and-delivery method that eliminates the need for PS-Poll exchanges
- C. WMM-PS requires scheduled service periods for predictable uplink data delivery.
- D. WMM-PS allows the WLAN transceiver to disable more components when in a low power state.

Correct Answer: B

QUESTION 3

What statements accurately describe the RF cables and connectors that are used in an 802.11 WLAN system? (Choose three)

- A. RF cables have upper and lower frequency range specifications.
- B. 75 and 125 ohms are the typical impedances of 802.11 WLAN connectors.
- C. Two RF connectors of the same type (e.g. SMA), manufactured by different companies, may vary in specifications.
- D. Every RF connector causes insertion loss.
- E. Large diameter RF cables cause greater loss than small diameter cables.
- F. Coaxial RF cables can be used to carry Power-over-Ethernet (PoE) to an outdoor bridge mounted on a mast.

Correct Answer: ACD

QUESTION 4



ABC Company has just purchased a 6 dBi patch antenna. After performing some tests with the 6 dBi antenna, they have concluded that more antenna gain is needed to cover their outdoor courtyard. When choosing an antenna with higher gain, what other antenna characteristic will also change?

- A. Fresnel Zone size
- B. Maximum input power
- C. Beamwidth
- D. Impedance
- E. VSWR Ratio

Correct Answer: C

QUESTION 5

Given:

The center frequency of channel 1 in the 2.4 GHz ISM band is 2.412 GHz (2412 MHz).

What is the center frequency of channel 2?

- A. 2.413 GHz
- B. 2.417 GHz
- C. 2.422 GHz
- D. 2.432 GHz
- E. 2.437 GHz

Correct Answer: B

QUESTION 6

What features were introduced in the IEEE 802.11h amendment in order to uphold regulatory requirements for 5 GHz operation? (Choose two)

- A. Automated Radio Measurement (ARM)
- B. Distributed Coordination Function (DCF)
- C. Frequency Shift Keying (FSK)
- D. Transmit Power Control (TPC)
- E. Radio Resource Management (RRM)
- F. Dynamic Frequency Selection (DFS)



Correct Answer: DF

QUESTION 7

Given:

You were previously on-site at ABC's facility to conduct a pre-deployment RF site survey. The WLAN has been deployed according to your recommendations and you are on-site again to perform a network validation.

When performing this type of post-deployment RF site survey for VoWiFi, what are two steps that must be performed? (Choose two)

- A. Coverage analysis to verify appropriate coverage and roaming boundaries
- B. Spectrum analysis to locate and identify RF interference sources
- C. Hidden node analysis to identify and relocate existing hidden nodes
- D. Protocol analysis to discover channel use on neighboring APs
- E. Application analysis with an active phone call on a VoWiFi handset

Correct Answer: AE

QUESTION 8

Why is it recommended for a wireless network administrator to disable 1 Mbps and 2 Mbps data rates on the WLAN infrastructure? (Choose two)

- A. To improve capacity in the BSS
- B. To reduce the size of the AP's effective service area
- C. To prevent 802.11b devices from associating
- D. To maximize the range of the highest data rates
- E. To prevent VoWiFi multicast frames
- F. To enable support for long preambles

Correct Answer: AB

QUESTION 9

Which answer correctly completes the following sentence? The WMM certification, created by the Wi-Fi Alliance, is based on the _____ coordination function with support for _____ QoS priority.

- A. Hybrid, contention-based
- B. Point, scheduled



- C. Dynamic, distributed
- D. Distributed, trigger-and-delivery
- E. Enhanced, contention-free

Correct Answer: A

QUESTION 10

When planning an access point deployment that utilizes Power over Ethernet (PoE) switches at the network edge, what design decision could adversely affect the operation of 802.3af APs?

- A. All ports on the Ethernet switch will be supporting Class 3 PoE powered devices.
- B. Some APs are connected to a PoE switch and are also receiving power from an AC outlet.
- C. The Ethernet switch's uplink ports are not connected to an 802.3af-compliant core or distribution Ethernet switch.
- D. A gigabit Ethernet switch port supporting an 802.11a/g AP auto-negotiates to 100 Mbps.
- E. The installation team is not informed that PoE support will reduce the recommended maximum UTP cabling length from 100m to 50m.

Correct Answer: A

QUESTION 11

Given:

A WLAN transmitter that emits a 200 mW signal is connected to a cable with 3 dB loss.

If the cable is connected to an antenna with 10 dBi gain, what is the EIRP at the antenna element?

- A. 10 dBm
- B. 13 dBm
- C. 20 dBm
- D. 26 dBm
- E. 30 dBm

Correct Answer: E

QUESTION 12

Given: You are on-site to perform a post-deployment site survey. When verifying a multiple channel VoWiFi deployment using a VoWiFi handset, which aspect is most important?



- A. Performing protocol analysis with a single wireless adapter that is scanning all channels in use
- B. Testing a constant conversation or handset tone while roaming from area to area, or performing an active survey
- C. Configuring DSCP-to-802.11e QoS maps on the handset for each access category.
- D. Verifying the orientation/polarity of all omni-directional antennas in use by the VoWiFi clients.

Correct Answer: B

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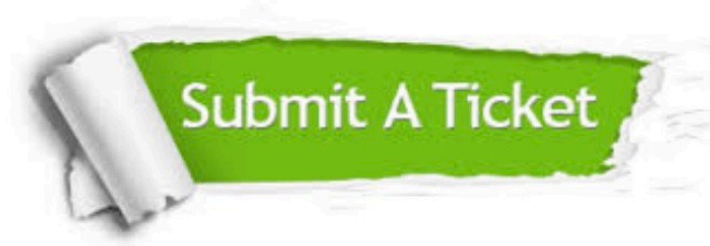
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