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QUESTION 1

Given: In a single channel architecture (SCA) WLAN system, 802.11n (HT) APs should not share an SSID with 802.11g (ERP) APs.

What is the reason for this recommendation?

- A. Client stations would see two different sets of AP capabilities as they roam between APs with the same BSSID.
- B. The added range of 802.11n APs would cause additional co-channel interference.
- C. The additional beacon material in 802.11n beacons would confuse 802.11b/g client stations.
- D. Beacons from 802.11n APs use 40 MHz channels, while beacons from 802.11g APs use 20 MHz channels.

Correct Answer: A

QUESTION 2

In addition to throughput enhancements, what other improvements does 802.11n provide when compared with 802.11a/g? (Choose 2)

- A. Introduces "fast transition" roaming protocols for VoWiFi phones
- B. Better link reliability between 802.11a/b/g client devices and 802.11n APs
- C. Improves service quality for real-time applications at greater distances
- D. Increases in receive sensitivity enhance RTLS location accuracy
- E. Stronger security with more robust encryption modes.

Correct Answer: BC

QUESTION 3

Given: As you prepare for a site survey in a hospital, you have learned about several wireless devices that support connection-oriented, real-time applications. These applications are sensitive to service interruptions and require excellent signal quality, low latency, and low loss. For that reason, it is important to identify sources of RF interference as well as building characteristics that would cause RF blockage or dead spots.

What systems or environmental characteristics are most likely to cause interference or RF blockage and disrupt service for these applications? (Choose two)

- A. Microwave ovens
- B. Long hallways
- C. Elevator shafts
- D. RFID chokepoints

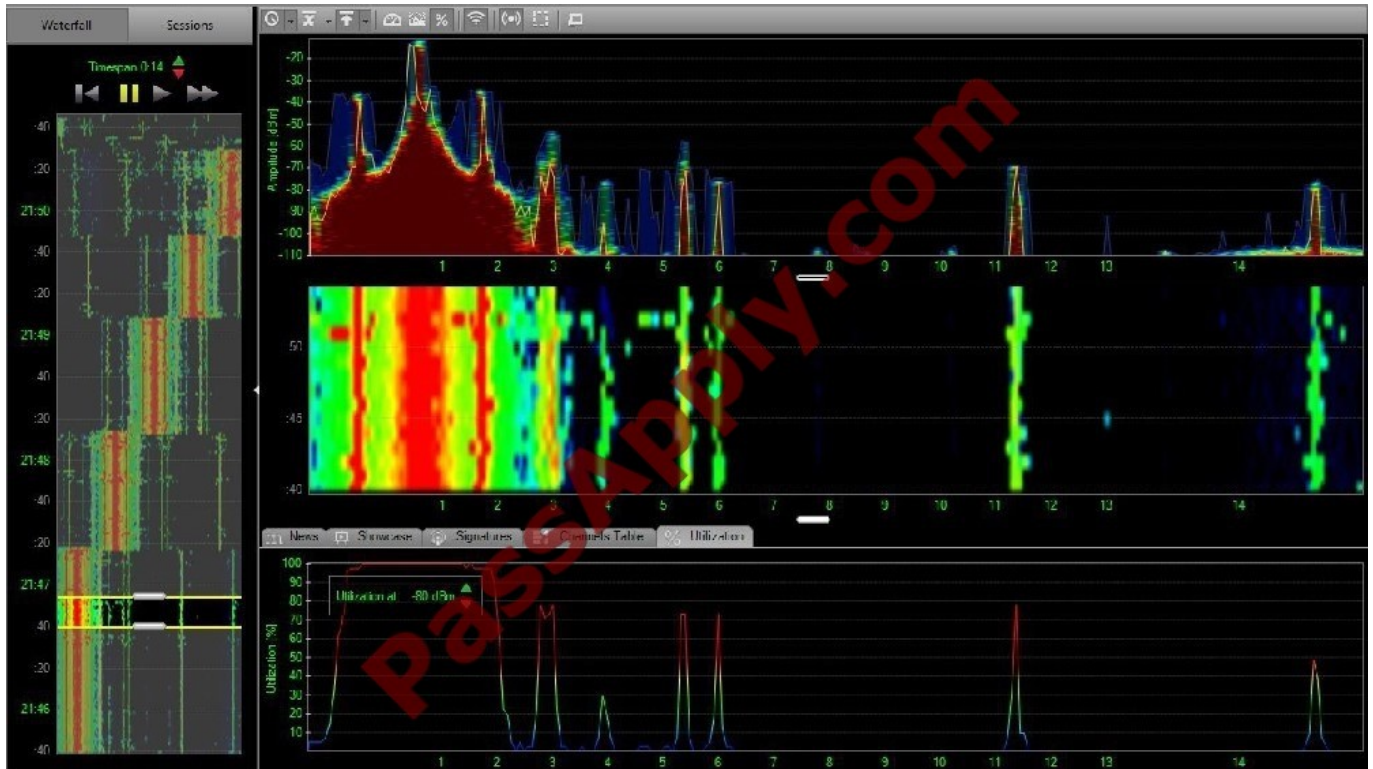


E. Drywall offices

Correct Answer: AC

QUESTION 4

What type of RF transmitter is shown in both of the spectrum analysis exhibits?





- A. Military radar
- B. Bluetooth mouse
- C. Microwave oven
- D. Wireless video camera
- E. WIPS sensor

Correct Answer: D

QUESTION 5

What frequency band is NOT specified for use by IEEE 802.11 radios?

- A. 902 - 928 MHz ISM band
- B. 2.4000 2.4835 GHz ISM band
- C. 4.94 4.99 GHz public safety band
- D. 5.15 5.25 GHz UNII band
- E. 5.470 5.725 GHz UNII band
- F. 5.725 5.875 GHz ISM band



Correct Answer: A

QUESTION 6

Given: You are an independent contractor, hired to perform an indoor site survey and network design for ABC Hotel. The network will support both hotel staff and guest users. You are interviewing the network manager to determine business, performance, and security requirements for the future 802.11 WLAN.

What questions should you ask the IT manager? (Choose two)

- A. What data cabling is currently installed in the rooms and throughout the hotel?
- B. How much RF loss do you expect between hotel rooms?
- C. Where are the RF dead zones located within the facility?
- D. What types of applications will be used by the hotel staff?
- E. Are there any radar systems in use at the hotel that would conflict with the WLAN?

Correct Answer: AD

QUESTION 7

What distinguishes an independent basic service set (IBSS) from an infrastructure basic service set (BSS)?

- A. An IBSS does not have a distribution system (DS), but a BSS does.
- B. An IBSS does not require beacon frames, but a BSS does.
- C. An IBSS does not support 802.11 authentication or association, but a BSS does.
- D. An IBSS can only operate on a single channel, but a BSS can operate on multiple channels.

Correct Answer: A

QUESTION 8

What is the purpose of the WLAN component shown in the exhibit?



- A. Connecting an unterminated coaxial RF cable to an N-type female connector on an antenna
- B. Adapting an antenna with an SMA connector to an AP with an N-type female connector
- C. Connecting a lightning arrestor (gas discharge tube) to a grounding rod cable
- D. Providing a fixed amount of signal attenuation between a signal source and an SMA antenna connector

Correct Answer: B

QUESTION 9



The OSI model is a 7-layer model for understanding the functions of a communication system. What OSI sublayers are specifically addressed by the IEEE 802.11-2007 standard? (Choose 2)

- A. MSDU
- B. PPDU
- C. PLCP
- D. MAC
- E. IP
- F. 802.1X

Correct Answer: CD

QUESTION 10

What term correctly completes the following sentence?

802.11a/b/g used a mandatory 800ns guard interval. 802.11n introduces an optional short 400ns guard interval. Guard intervals (GI) are necessary in OFDM to reduce the likelihood of interference between two consecutive _____.

- A. Frames
- B. Packets
- C. Segments
- D. Bits
- E. Bytes
- F. Symbols

Correct Answer: F

QUESTION 11

Which antenna types are commonly used by indoor Wi-Fi devices in a MIMO diversity implementation? (Choose two)

- A. Dipole
- B. Patch
- C. Dish
- D. Grid
- E. Sector

Correct Answer: AB



QUESTION 12

What phrase defines Equivalent Isotropically Radiated Power (EIRP)?

- A. Radio transmitter output power minus attached cable and connector loss
- B. Radio transmitter output power only
- C. Power supplied to the transmit antenna input plus antenna gain
- D. Reflected power due to an impedance mismatch in the signal path
- E. Power supplied from the transmission line to the antenna's input

Correct Answer: C

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