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QUESTION 1

What statements about the beamwidth of an RF antenna are true? (Choose two)

- A. The lower the gain of an antenna, the more narrow one or both beamwidths become.
- B. The beamwidth patterns on an antenna polar chart indicate the point at which the RF signal stops propagating.
- C. Horizontal and vertical beamwidth are calculated at the points in which the main lobe decreases power by 3 dB.
- D. Horizontal beamwidth is displayed (in degrees) on the antenna's Azimuth Chart.
- E. Antenna beamwidth is measured in units of decibels relative to an isotropic radiator (dBi).

Correct Answer: CD

QUESTION 2

Given: You have been sent as a consultant to a customer site that is experiencing problems with some 2.4 GHz clients on their 802.11a/g network. After collecting information from the company about the problem, your initial troubleshooting step is to find a client device experiencing performance problems and observe its

802.11 frame exchanges in a protocol analyzer. The retransmission rate for that client is 65% instead of the company's baseline, which is 9%.

Based on this information, what troubleshooting step should follow to isolate the problem?

- A. Check the frame decodes in the protocol analyzer and look for an excessive number of deauthentication frames.
- B. Evaluate the client's operating frequency band with a spectrum analyzer, looking for a high noise floor or interference sources.
- C. Utilize a laptop-based site survey and planning tool to create a predictive model of the optimal AP placement in the customer's facility.
- D. With a protocol analyzer, identify the client's roaming threshold settings and reassociation behavior.
- E. Install Wi-Fi endpoint security and reporting software on the client device to monitor and log the retransmission behavior.

Correct Answer: B

QUESTION 3

What component of the 802.11 standard allows stations to reserve access to the RF medium for a specified period of time?

- A. Long slot times
- B. DTIM Interval



- C. Listen Interval
- D. Probe Request frames
- E. RTS or CTS frames

Correct Answer: E

QUESTION 4

Given: As defined in the 802.11 specification, legacy Power Save requires an inefficient back-and-forth frame exchange process. Due to this inefficiency, many WLAN device implementations use a variation of

802.11 Power Save to accomplish the same function.

What non-standard power save behavior is used by most Wi-Fi devices in actual implementations?

- A. Client devices ignore the TIM field and automatically send PS-Poll frames after every beacon.
- B. After each beacon, the AP attempts to empty its frame buffer by sending Wake-on-WLAN frames to wake each dozing client.
- C. Request-to-Send and Clear-to-Send frame exchanges are used to trigger the delivery of buffered data.
- D. The Beacon interval is changed from the default 100 time units to 10 or less time units.
- E. Clients send null data frames to the AP and switch the power management bit from 1 to 0 to receive queued data.
- F. Stations send a CTS-to-self frame to the AP with a very long duration period so they can receive all of their buffered data at once.

Correct Answer: E

QUESTION 5

What facts are true regarding controllers and APs in a Split MAC architecture? (Choose 2)

- A. An IP tunnel is established between the AP and controller for AP management and control functions.
- B. Using centralized data forwarding, APs never tag Ethernet frames with VLAN identifiers or 802.1p CoS.
- C. With 802.1X/EAP security, the AP acts as the supplicant and the controller acts as the authenticator.
- D. Management and data frame types must be processed locally by the AP, while control frame types must be sent to the controller.
- E. In a distributed (local bridging) data forwarding model, the AP handles frame encryption and decryption.

Correct Answer: AE
