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QUESTION 1

You deployed an AP and installed its antenna, and you now need to set the AP transmit power. Given a desired EIRP of 21 dBm, and an antenna gain of 5.85 dBd connected through 25 feet of cable with a loss specification of 4 dB/100 feet. Assuming that there is no significant loss from the connectors, what should be the transmit power level for this AP?

A. 10 mW

B. 14 mW

C. 20 mW

D. 25 mW

E. 40 mW

F. 50 mW

Correct Answer: D

QUESTION 2

Use the exhibit as a reference.

Tx Power Level Assignment

Current Tx Power Level	4
Assignment Method	⊙ Global
	⦿ Custom 4 ▾

1
2
3
4
5
6
7
8

Given:

-In your regulatory domain, a Tx Power Level of "1" is equivalent to 17 dBm.

-For every integer increment (e.g. from 1 to 2) to the Tx Power Level, the AP\\'s transmit power is halved.

In units of mW, what is the actual transmit power for an AP configured at a Tx Power Level of "4"?

A. 200 mW

B. 50 mW

C. 12.5 mW

D. 8 mW

E. 6.25 mW

F. 2.5 mW

Correct Answer: E

QUESTION 3

Your customer location is equipped with DAS, originally deployed to relay a GSM signal indoors and provide 802.11 data coverage to static stations. What type of wireless application would be least likely to be supported by this RF distribution model?

A. On-demand video streaming over wireless

B. Data connection with frequent roaming

C. Location-based services for wireless assets or RFID tags

D. VoWLAN if the codec is G.729.

E. FTP over implicit TLS/SSL

Correct Answer: C

QUESTION 4

In a multiple channel architecture (MCA) network supporting 802.1X authentication, what aspects of WLAN design affect client roaming efficiency and effectiveness? (Choose 3)

A. Channels supported by infrastructure

B. Key caching protocols

C. Cipher suite

D. PHY standard used by client

E. Supported uplink and downlink MCS rates

F. The infrastructure\\'s roaming algorithm

G. Channels supported and scanned by client

Correct Answer: ABG

QUESTION 5

Multicast video applications typically require special treatment on the Wi-Fi network due to the nature of multicast traffic. Many vendors implement proprietary multicast-to-unicast conversion for this reason.

Which of the following is NOT a valid reason for special unicast conversion of downlink multicast traffic?

A. Multicast traffic must always be transmitted via omnidirectional antennas.

B. Group addressed downlink frames are not acknowledged on the wireless medium.

C. In QoS WLANs, multicast traffic is always assigned to the best effort (AC_BE) transmit queue.

D. Frames with a group receiver address must always be sent at a rate in the Basic Rate Set.

Correct Answer: A

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