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QUESTION 1

What type of pattern matches the 12 dBi antenna displayed in the exhibit?



Figure 1

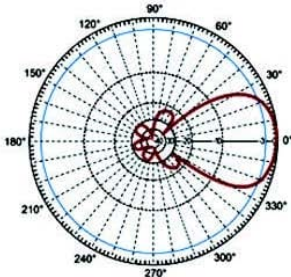


Figure 2

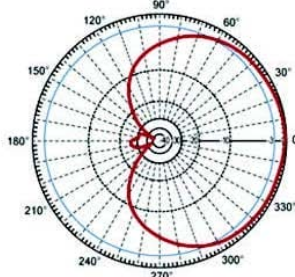


Figure 3

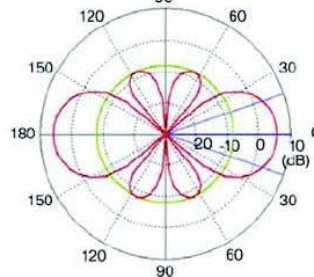
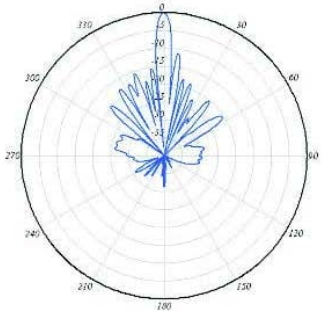


Figure 4



- A. Figure 1
- B. Figure 2
- C. Figure 3
- D. Figure 4

Correct Answer: A

QUESTION 2

In this question, you will compare the mobility processes of a network that supports WPA2- Personal and WPA2-Enterprise. Assume the use of a 15-character ASCII passphrase for WPA2- Personal and EAP-TTLS/MSCHAPv2 with WPA2Enterprise. Also, assume that proprietary roaming protocols are not supported.

When a device transitions from one BSS to another within the same ESS, what steps must be performed in the WPA2-Enterprise transition that are not performed in the WPA2-Personal transition? (Choose 2)

- A. Open System Authentication
- B. 802.11 Reassociation



- C. 802.1X authentication
- D. 4-Way Handshake
- E. Transfer of PMK from AAA server to authenticator
- F. Conversion of passphrase to PMK

Correct Answer: CE

QUESTION 3

You told your customer that multipath fading may be mitigated simply by moving one or both of the receiver's antennas a little bit, usually by one to four wavelengths away from its original position. Your customer is prepared to make the change, but does not know the wavelength for 802.11a.

What is the approximate wavelength of an 802.11a radio wave?

- A. 5.5 cm (2.16 inches)
- B. 12 cm (4.72 inches)
- C. 15.24 cm (6 inches)
- D. 45 cm (17.71 inches)
- E. 58 cm (22.83 inches)

Correct Answer: A

QUESTION 4

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 5

To achieve a 450 Mbps MCS, what 802.11n features (from the numbered list below) are required?

1.
Frame aggregation
2.
Short GI
3.
40 MHz channels
4.
2 spatial streams
5.
3 spatial streams
6.
Transmit beamforming (TxBF)

- A. 1, 2, 3, 4
- B. 1, 2, 3, 5
- C. 1, 2, 3, 4, 6
- D. 1, 2, 3, 5, 6
- E. 2, 3, 4
- F. 2, 3, 5

Correct Answer: F

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