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**QUESTION 1**

In a PC-based spectrum analyzer, what data chart identifies the overall RF utilization of a specific frequency in the environment being surveyed?

- A. FFT Max Hold
- B. FFT Average
- C. Swept Spectrogram
- D. Duty cycle
- E. Sweep Time
- F. Bandwidth resolution

Correct Answer: D

QUESTION 2

What is a radome?

- A. A type of semi-circular ceiling found in atriums and that is a heavy cause of RF reflection.
- B. A weatherproof piece of plastic covering an antenna or antenna system.
- C. The unit used to measure the signal reflected backward by the end of a cable.
- D. A piece of metal positioned behind APs mounted on outdoor poles, designed to limit the butterfly effect.
- E. The unwanted signal coverage provided by either side or back lobes in directional antennas.

Correct Answer: B

QUESTION 3

During a post-deployment verification, you are requested to troubleshoot an area where users are experiencing poor throughput. They are using data communication only, mainly from laptops. You captured the frame displayed in the exhibit from the location where problems are reported. This frame is typical of those that were captured by the analyzer.



```
Frame 14887 (59 bytes on wire, 59 bytes captured)
  Radiotap Header v0, Length 20
    Header revision: 0
    Header pad: 0
    Header length: 20
  Present flags: 0x000018ee
  Flags: 0x10
    Data Rate: 6.0 Mb/s
    Channel frequency: 2412 [BG 1]
  Channel type: 802.11g (pure-g) (0x00c0)
    SSI Signal: -80 dBm
    SSI Noise: -100 dBm
    Signal quality: 10
    Antenna: 0
    SSI signal: 20 dB
  IEEE 802.11 QoS CF-Ack + CF-Poll (No data), Flags: .pmP.MFT.
    Type/Subtype: QoS CF-Ack + CF-Poll (No data) (0x2f)
  Frame Control: 0x77F9 (Normal)
    Version: 1
    Type: Data frame (2)
    Subtype: 15
  Flags: 0x77
  Duration: 39687
  Receiver address: 7a:a2:40:d5:49:be (7a:a2:40:d5:49:be)
  Transmitter address: ef:20:6f:0d:da:a7 (ef:20:6f:0d:da:a7)
  Destination address: 7c:b9:f8:1a:39:dd (7c:b9:f8:1a:39:dd)
  Fragment number: 15
  Sequence number: 890
  Source address: b7:97:16:50:00:7b (b7:97:16:50:00:7b)
  Frame check sequence: 0x0a348121 [incorrect, should be 0x09615e51]
  QoS Control
    Priority: 5 (video) (video)
    ...1 .... = EOSP: End of service period
    Ack Policy: Block Ack (0x03)
    TXOP Limit: 2
```

What does this frame reveal about the RF network in this area?

- A. One station seems to be streaming video, thus may have reserved significant bandwidth via admission control
- B. Contention Free is in place in this network, which may starve some non-QoS stations from access
- C. Multipath or excessive collisions seem to be an issue in this area
- D. The AP seems to be too far to provide enough coverage to this area
- E. Stations are using null data frames as protection mechanisms to reserve the medium
- F. The station that sent this frame is causing a DoS attack by using extended Duration values

Correct Answer: C

QUESTION 4



As you plan a WLAN upgrade, you have assessed the network requirements and data signatures of your applications. One of the popular applications used on your network requires high bandwidth and low to medium Wi-Fi loss, but can tolerate moderate latency and jitter.

What application matches this description?

- A. Voice
- B. Email
- C. Skype chat
- D. Video-on-demand
- E. Video conferencing
- F. FTP

Correct Answer: D

QUESTION 5

In a large enterprise (5000+ wireless users), by what recommended methods are IP addresses and VLANs assigned to different clients associated to the same AP? (Choose 3)

- A. Each SSID is mapped to a static VLAN assignment
- B. Upstream AAA servers dynamically assign VLANs to each user or group profile
- C. Radio signal metrics (RSSI, SNR, etc.) of WLAN clients are triangulated for location-based VLAN assignment during association
- D. Each BSSID is assigned a unique VLAN to help manage the size of broadcast domains on the wired network
- E. Multiple VLAN pools are designated for an SSID and user IP addresses are selected in a round-robin fashion from the associated pools.
- F. In a centralized data forwarding model, clients automatically receive an IP address on the native VLAN of the AP's Ethernet access port.
- G. The configuration profile of the client supplicant is hard-coded with a VLAN ID.

Correct Answer: ABE

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