PW0-270 Q&As

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QUESTION 1

To effect Preauthentication, a STA\\'s supplicant sends an IEEE 802.1X/EAPoL Start message. How is the EAPoL Start message addressed?

A. DA = MAC of default gateway; RA = BSSID of the AP to which the STA is associated

B. DA = BSSID of targeted AP; RA = BSSID of the AP to which the STA is associated

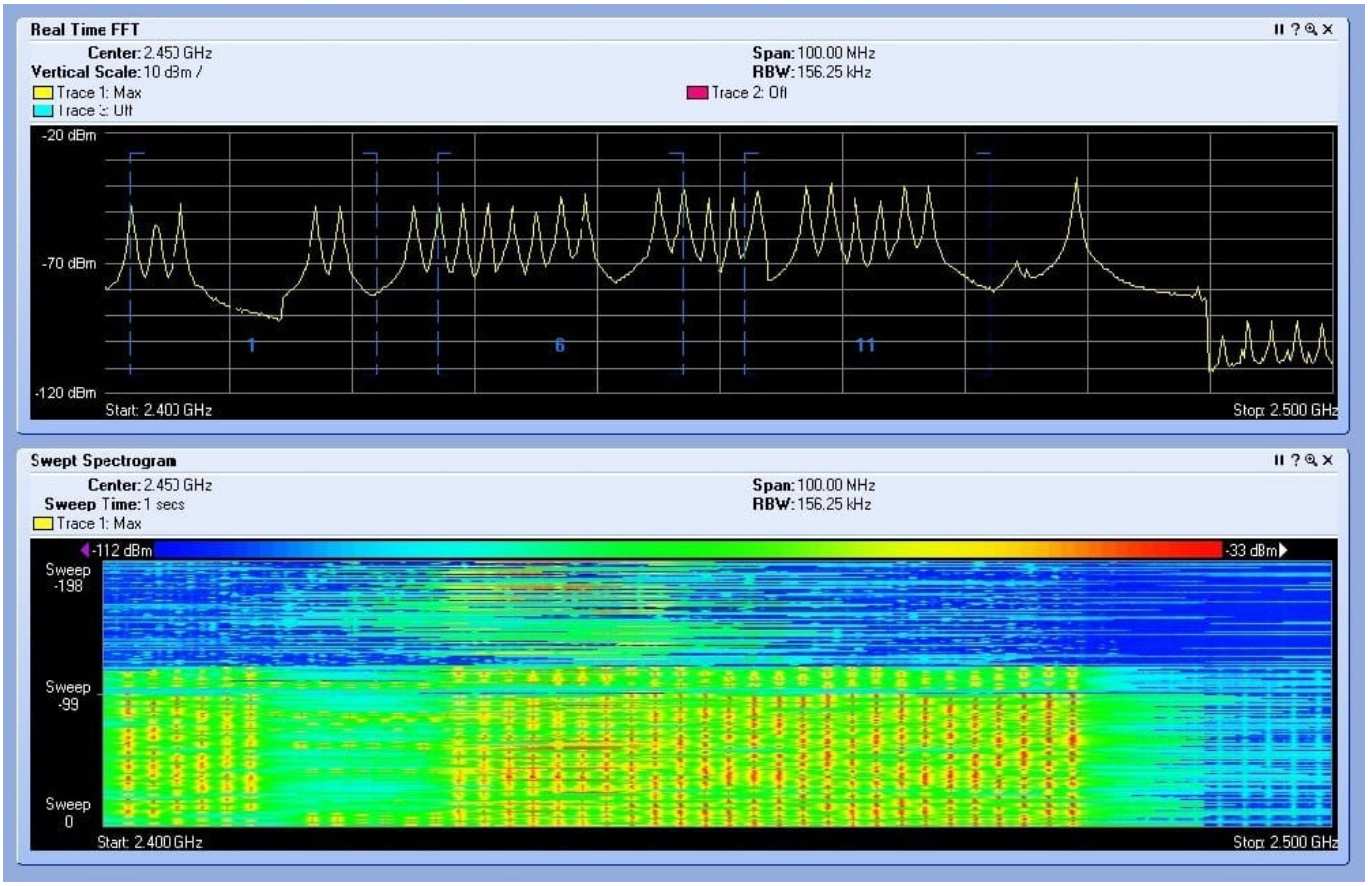
C. DA = MAC of the default gateway; RA = Ethernet MAC of the targeted AP

D. DA = BSSID of the targeted AP; RA = Ethernet MAC of the targeted AP

Correct Answer: B

QUESTION 2

What types of wireless systems are illustrated?



A. An ERP IEEE 802.11 system using channel 6 and Bluetooth v1.2 discovery

B. A Bluetooth v2.0 file transfer and a 40 MHz HT AP on channels 11, 7 (primary, secondary)

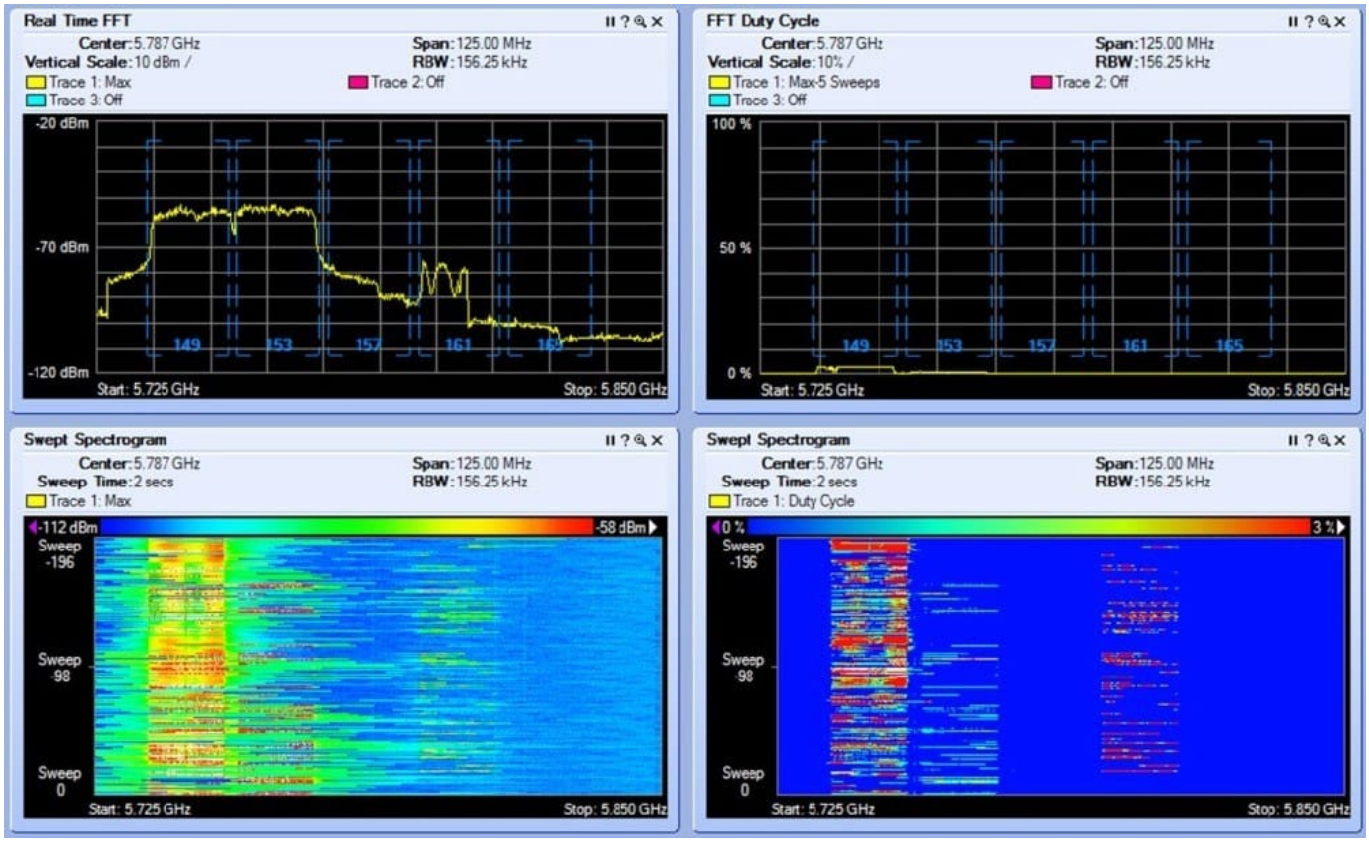
C. A 2.4 GHz cordless phone on channel 14 and a wireless RFID reader

D. An 802.11 HR/DSSS system using channel 2 and a digital FHSS phone

Correct Answer: A

QUESTION 3

Given: The exhibit shows a small network environment with dual-band APs.



What is true of the network shown in this spectrum analyzer trace?

A. There are at least three APs operating in this environment. They are operating on channels 149, 153, and 161.

B. There are two 40 MHz BSSs in this environment. One AP has some 40 MHz traffic while the other AP has no client traffic.

C. Only one AP in this network is configured to use the upper UNII band (UNII-3). All other APs are in lower 5 GHz channels.

D. Two 802.11a APs are near the spectrum analyzer and are heavily utilized on channels 149 and 153.

Correct Answer: B

QUESTION 4

Given: ABC Company recorded the 2.4 GHz band with a spectrum analyzer prior to installing their ERP WLAN. Image-A is how the band appeared prior to the WLAN installation. Image-B is how the band appears now, and all channels on

their WLAN have ceased to function.

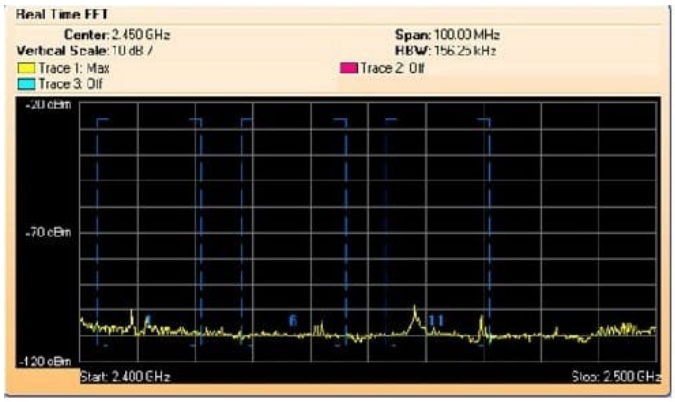


Image A

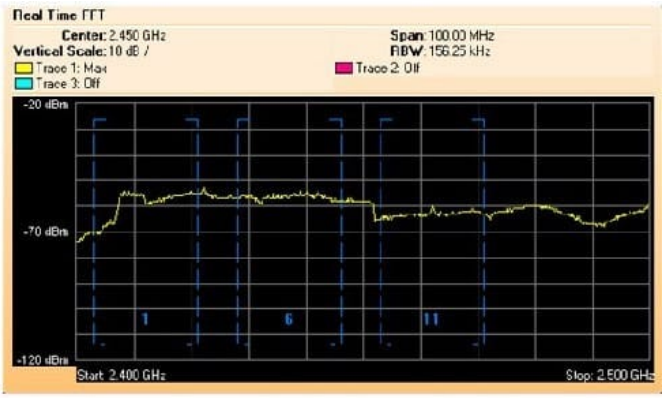


Image B

What is the best explanation as to why their WLAN is no longer functioning properly?

A. A wideband RF power source is corrupting all IEEE 802.11 transmissions.

B. A new microwave oven was installed in the cafeteria.

C. A malfunctioning IEEE 802.11 OFDM radio card is transmitting continuously.

D. A manual site survey tool is actively testing the throughput of their WLAN.

E. A Terminal Doppler Weather Radar (TDWR) is causing a DFS response across the entire band.

Correct Answer: A

QUESTION 5

Your wireless network troubleshooting kit includes an antenna with the following specifications:

Gain: 5 dBi Azimuth Beamwidth: 55 degrees Elevation Beamwidth: 50 degrees Frequency Range: 2.4 - 2.5 GHz and 4.9 - 5.9 GHz Polarization: Linear Impedance: 50 Ohms

For what aspect of network troubleshooting would this antenna be most useful?

A. Capturing BSS-wide CRC error and retry statistics in most indoor WLAN environments

B. Identifying problems with Fresnel zone clearance in long range (10+ miles / 16+ km) point-to-point links

C. Finding the physical location of an interfering transmitter to identify and remove the source

D. Increasing resolution bandwidth (RBW) on a spectrum analyzer to improve signature identification features

E. Matching transmit and receive capabilities for most client stations to reproduce client reception issues

Correct Answer: C