

# PW0-250<sup>Q&As</sup>

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



Figure 1

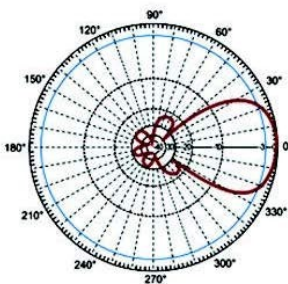


Figure 2

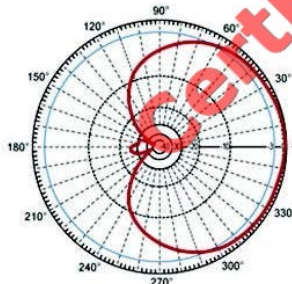


Figure 3

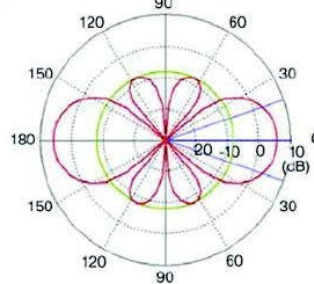
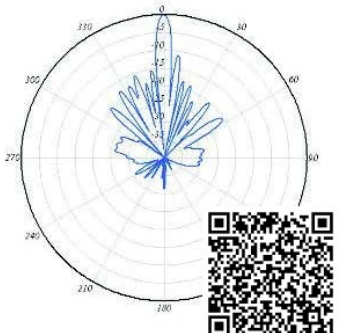


Figure 4



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

D. Figure 4

Correct Answer: A

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### QUESTION 3

When deploying long-distance 802.11 bridge links (10 miles / 16 km), what parameter may be critical for improving data flow by reducing retries caused by the long distances?

- A. The sequence control field value
- B. The PHY parameter set field
- C. The minimum transmit data rate value
- D. The CTS-to-self threshold
- E. The Beacon interval
- F. The acknowledgement timeout threshold

Correct Answer: F

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### QUESTION 4

Given: You are evaluating the theoretical and real-world RF gain benefits of transmit and receive features introduced by 802.11n with MIMO. This exercise allows you to quantify the feature's value in a real-world environment.

What is the maximum theoretical signal gain of chip-based TxBF and MRC (as features) when compared to the same AP using only a single antenna for transmit and receive (effectively simulating a 1x1 chip)?

- A. 2 Rx or Tx chains = 3 dBi gain 3 Rx or Tx chains = approx 5 dBi gain 4 Rx or Tx chains = 6 dBi gain
- B. 2 Rx or Tx chains = 1 dBi gain 3 Rx or Tx chains = 2 dBi gain 4 Rx or Tx chains = 3 dBi gain
- C. 2 Rx or Tx chains = 3 dBi gain 3 Rx or Tx chains = 6 dBi gain 4 Rx or Tx chains = 9 dBi gain
- D. 2 Rx or Tx chains = approx 4-6.5 dBi gain 3 Rx or Tx chains = approx 7-10 dBi gain 4 Rx or Tx chains = approx 10-12 dBi gain
- E. The theoretical gains offered by each additional radio are different for TxBF and MRC.

Correct Answer: A

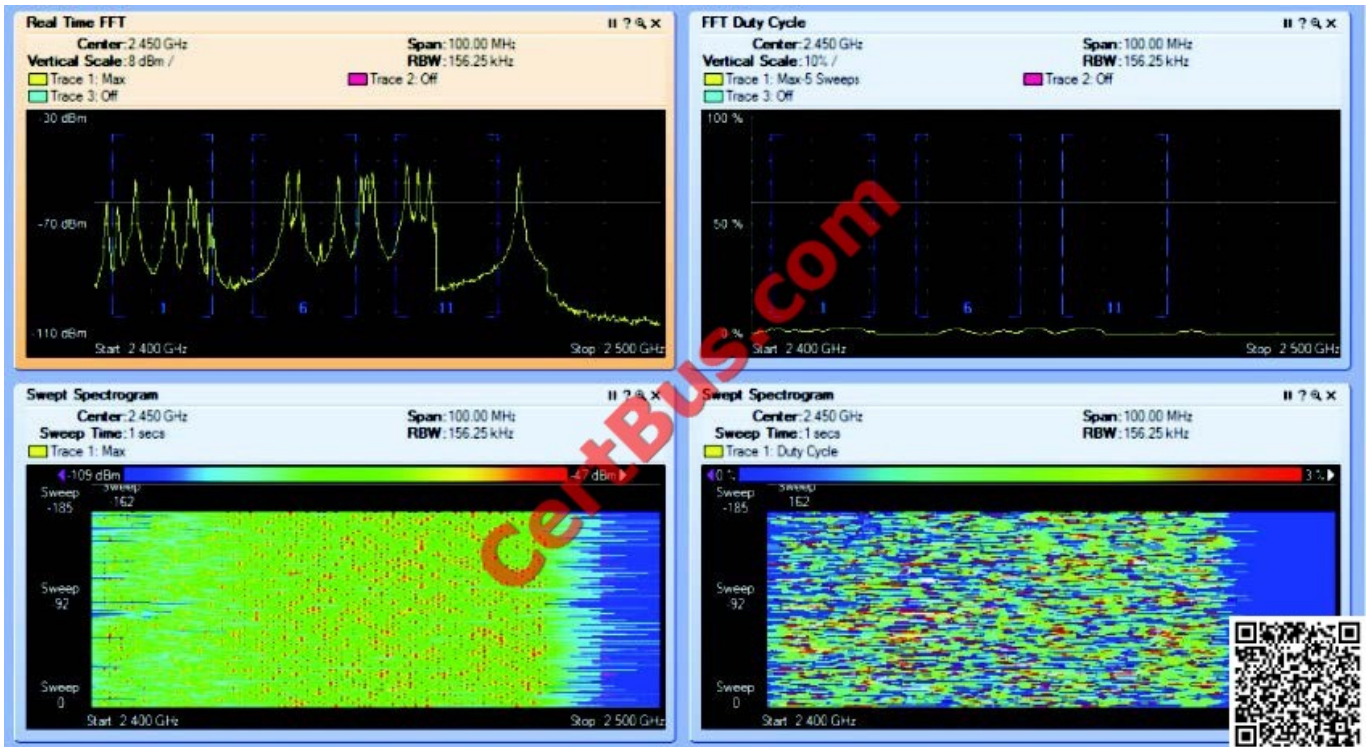
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### QUESTION 5

A wireless engineer from your company performed a site survey in an office building where a wireless network

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extension was needed. He reports that while performing a Layer 1 sweep near a meeting room full of people, he detected the RF environment displayed in the exhibit. He is unsure how to interpret what he recorded to determine its impact on a future Wi-Fi network.



- A. The signal affects the entire spectrum and will render the wireless network unusable. It must be located and removed.
- B. The signal has a low duty cycle and should not be of major impact on the wireless network.
- C. The signal is alternating between peaks (high interference level) and valleys (low interference level). The network channel design must be built to avoid the affected peak frequencies.
- D. The signal is typical of a high radio card background noise. It shows that the card used for the Layer 1 sweep should be replaced and the Layer 1 sweep re-done.
- E. The Real Time FFT shows a high amplitude, narrowband jammer pulsing across the entire 2.4 GHz band. This will cause significant, intermittent interference to the WLAN.

Correct Answer: B

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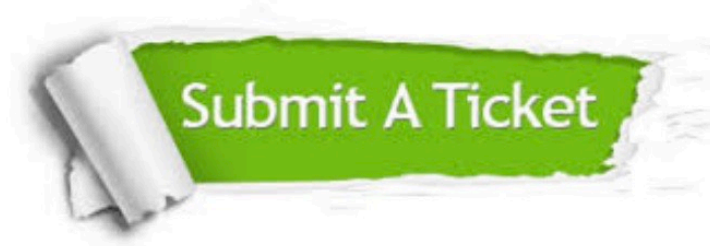
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