

Question #: 3

Topic #: 1

[All NSE6_FWF-6.4 Questions]

When configuring Auto TX Power control on an AP radio, which two statements best describe how the radio responds? (Choose two.)

- A. When the AP detects any other wireless signal stronger that -70 dBm, it will reduce its transmission power until it reaches the minimum configured TX power limit.
- B. When the AP detects PF Interference from an unknown source such as a cordless phone with a signal stronger that -70 dBm, it will increase its transmission power until it reaches the maximum configured TX power limit.
- C. When the AP detects any wireless client signal weaker than -70 dBm, it will reduce its transmission power until it reaches the maximum configured TX power limit.
- D. When the AP detects any interference from a trusted neighboring AP stronger that -70 dBm, it will reduce its transmission power until it reaches the minimum configured TX power limit.

Show Suggested Answer

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Actual exam question from Fortinet's NSE6_FWF-6.4
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Question #: 4

Topic #: 1

[All NSE6_FWF-6.4 Questions]

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Refer to the exhibits.
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Exhibit A.
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```
config wireless-controller wtp-profile
    edit "Main Networks - FAP-320C"
        set comment "Profile with standard networks"
        config platform
            set type 320C
       end
        set handoff-rssi 30
        set handoff-sta-thresh 30
        set ap-country GB
        config radio-1
            set band 802.11n
            set power-level 50
            set channel-utilization enable
            set wids-profile "default-wids-apscan-enabled"
            set darrp enable
            set vap-all manual
            set vaps "Main-Wifi" "Contractors" "Guest"
"Wifi IOT" "Wifi POS" "Staff" "Students"
            set channel "1" "6" "11"
        end
        config radio-2
            set band 802.11ac
            set channel-bonding 40MHz
            set power-level 60
            set channel-utilization enable
            set wids-profile "default-wids-apscan-enabled"
            set darrp enable
            set vap-all manual
            set vaps "Main-Wifi" "Contractors" "Guest"
"Wifi IOT" "Wifi POS" "Staff" "Students"
            set channel "36" "44" "52" "60"
        end
    next
end
```

Exhibit B.

Diagnostics and Tools - Office General ⁰¹¹⁰ Office 56% CPU Usage Serial Number **FPXXXXXXXXXXXXX** 70% Memory Usage 0 days Connection Uptime XX:XX:XX:XX:XX Base MAC Address 1.0 Gbps lan1 Status Online Radio 1 - 2.4 GHz Country/Region 31 Interfering SSIDs Uplink Interface FortiAP management (ap) Clients 25% Channel Utilization 192.168.5.98 IPv4 Address Radio 2 - 5 GHz Uptime 12m1s Interfering SSIDs Version v6.4 build0437 Clients Actions * Channel Utilization Radios Clients Interfering SSIDs Logs CLI Access Spectrum Analysis VLAN Probe

	Radio 1 - 2.4 GHz	Radio 2 - 5 GHz
Mode	AP	AP
SSID	fortinet (Main-WiFi) fortinet2 (Contractors) fortinet3 (Guest)	fortinet (Main-WiFi) fortinet2 (Contractors) fortinet3 (Guest)
Clients	1	20
Bandwidth Tx	4.65 kbps	1.16 kbps
Bandwidth Rx	20.46 kbps	176 bps
Operating Channel	1	60
Channels		
Operating TX Power	3 dBm	21 dBm
Band	802.11n	802.11ac
Interfering SSIDs fo	or Office (Radio 1)	×
2 Refresh S	earch	Q

SSID Φ	AP BSSID ♦	Channel \$	■□ Signal �
Husky	aa:aa:aa:aa	1	■□□ -84 dBm
Husky guest	bb:bb:bb:bb	1	■□□ -84 dBm
KBANK5007	cc:cc:cc:cc:cc	1	■□□ -85 dBm
mandikaylee	dd:dd:dd:dd	1	■□ -86 dBm
	ee:ee:ee:ee	1	■□□ -87 dBm
HUAWEI-EMIX4f	ee:ee:ee:ef	1	■□□ -88 dBm
trojan-3	ff:ff:ff:ff:ff	1	■00 -88 dBm
	fg:gg:gg:gg	1	■□□ -89 dBm
	hg:gg:gg:gg	1	■□□ -89 dBm

Exhibit C.

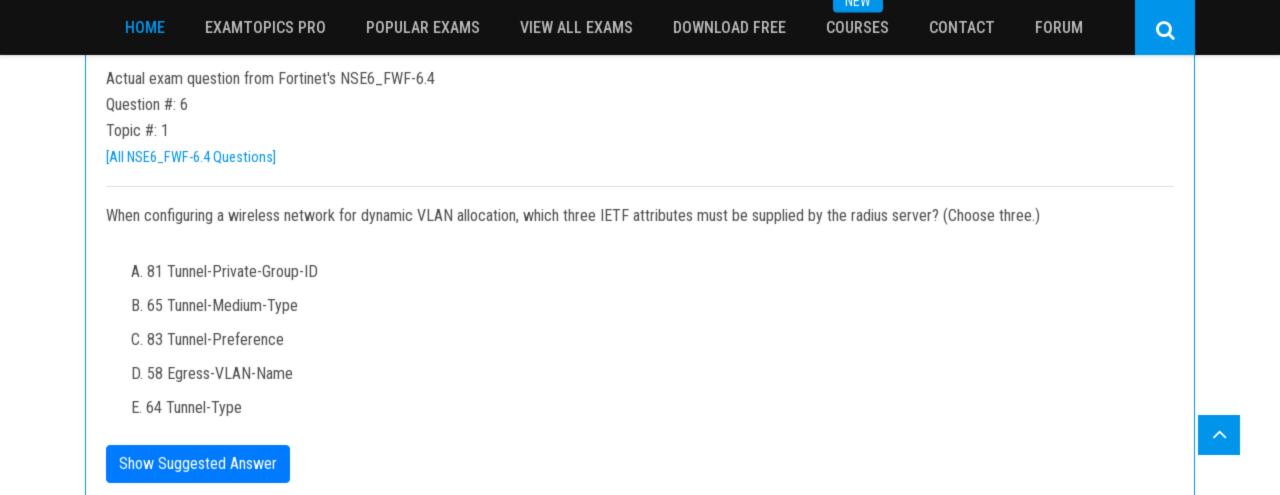
# get wirele	ss-controller r	f-analysis F	PXXXXXXXXXXXX	A	
WTP: Office	0-192.168.5.98:	5246			
channel	wasi tatal	of acces	overler en	intenfers on	chan-utilization
		rf-score	overlap-ap	interfere-ap	
1	100	6	13	13	63%
2	23	10	0	22	47%
3	15	10	0	22	15%
4	24	10	0	22	15%
5	51	10	0	22	41%
6	223	1	9	9	75%
7	52	10	0	17	47%
8	32	10	0	17	13%
9	27	10	0	19	10%
10	45	10	0	19	28%
11	177	1	8	10	65%
12	46	10	0	10	34%
13	45	10	2	10	70%
14	14	10	0	10	0%
36	16	10	2	2	0%
44	83	7	5	5	0%
					praw709528

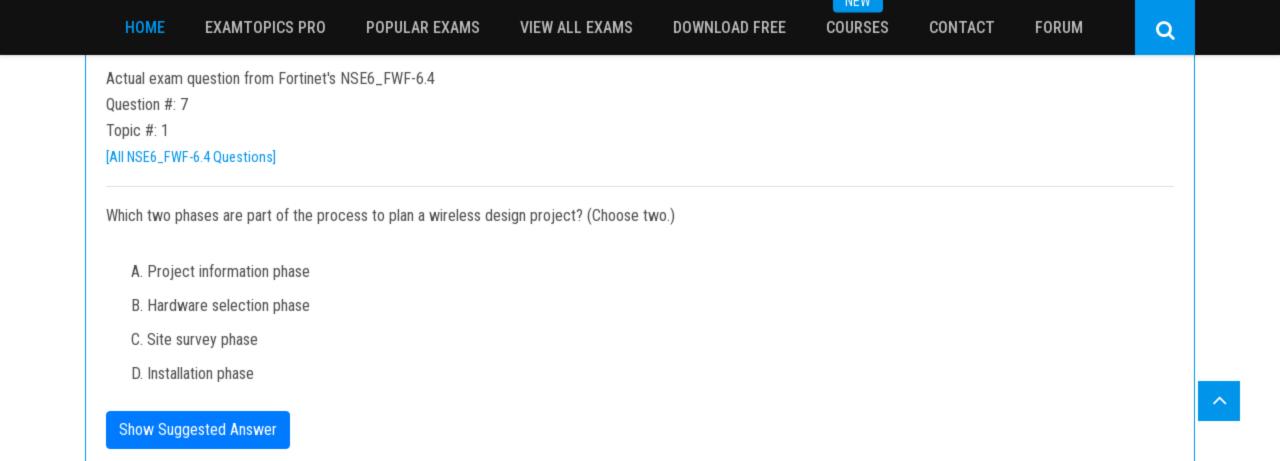
A wireless network has been installed in a small office building and is being used by a business to connect its wireless clients. The network is used for multiple purposes, including corporate access, guest access, and connecting point-of-sale and loge devices.

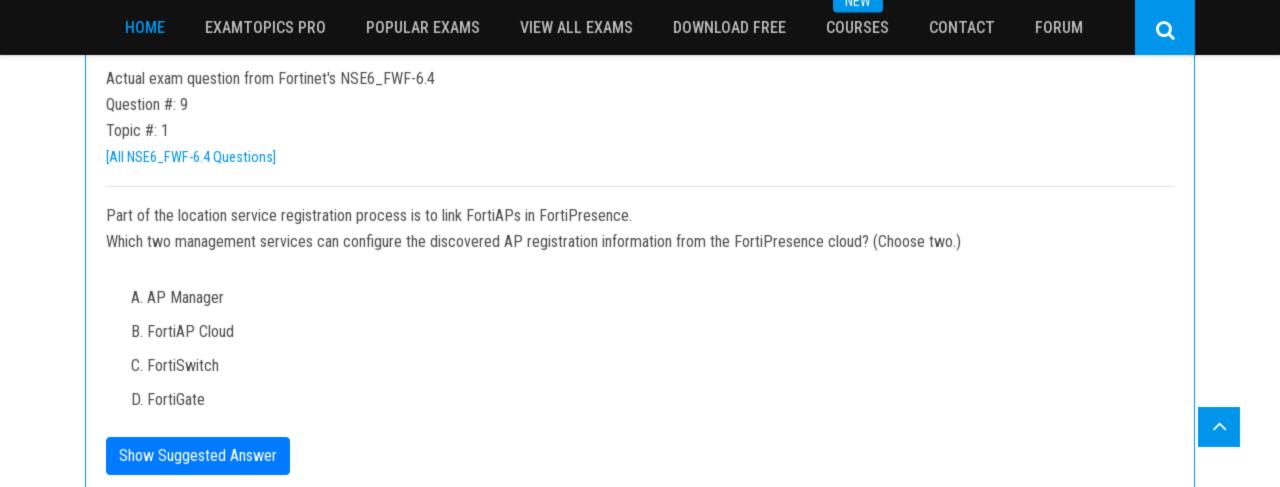
Users connecting to the guest network located in the reception area are reporting slow performance. The network administrator is reviewing the information shown in the exhibits as part of the ongoing investigation of the problem. They show the profile used for the AP and the controller RF analysis output together with a screenshot of the GUI showing a summary of the AP and its neighboring APs.

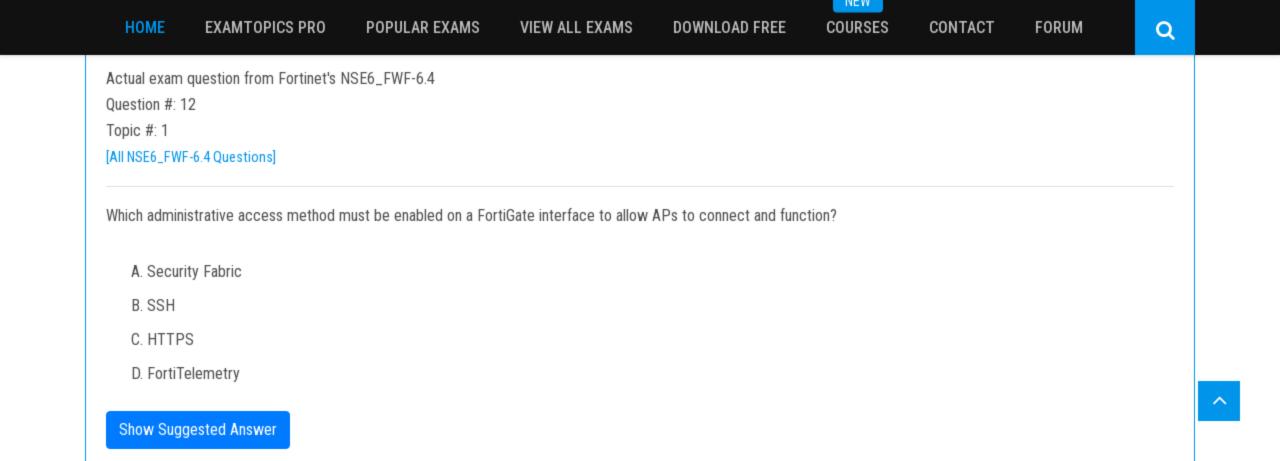
To improve performance for the users connecting to the guest network in this area, which configuration change is most likely to improve performance?

- A. Increase the transmission power of the AP radios
- B. Enable frequency handoff on the AP to band steer clients
- C. Reduce the number of wireless networks being broadcast by the AP
- D. Install another AP in the reception area to improve available bandwidth









Question #: 13

Topic #: 1

[All NSE6_FWF-6.4 Questions]

You are investigating a wireless performance issue and you are trying to audit the neighboring APs in the PF environment. You review the Rogue APs widget on the GUI but it is empty, despite the known presence of other APs.

Which configuration change will allow neighboring APs to be successfully detected?

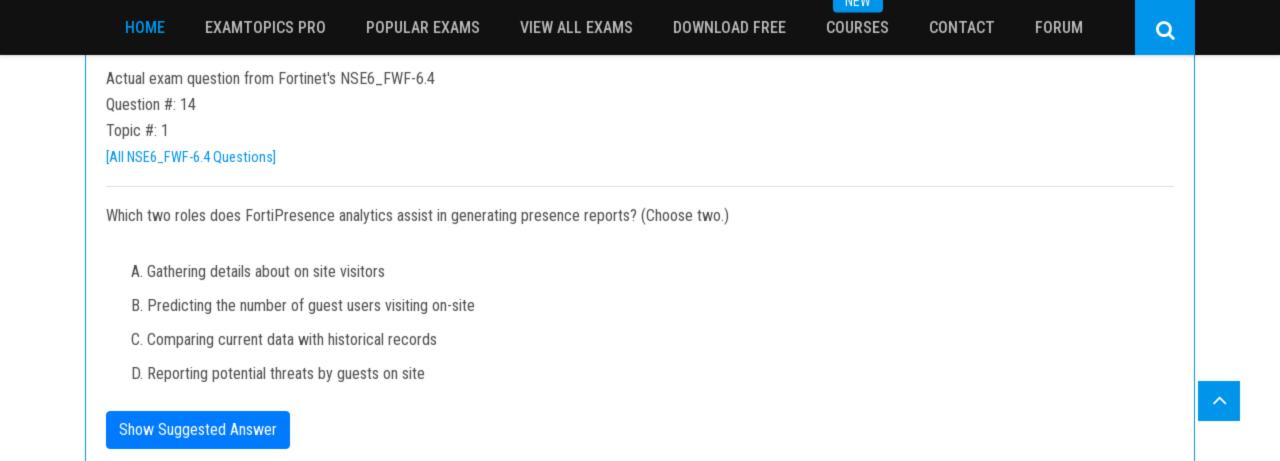
- A. Enable Locate WiFi clients when not connected in the relevant AP profiles.
- B. Enable Monitor channel utilization on the relevant AP profiles.
- C. Ensure that all allowed channels are enabled for the AP radios.
- D. Enable Radio resource provisioning on the relevant AP profiles.

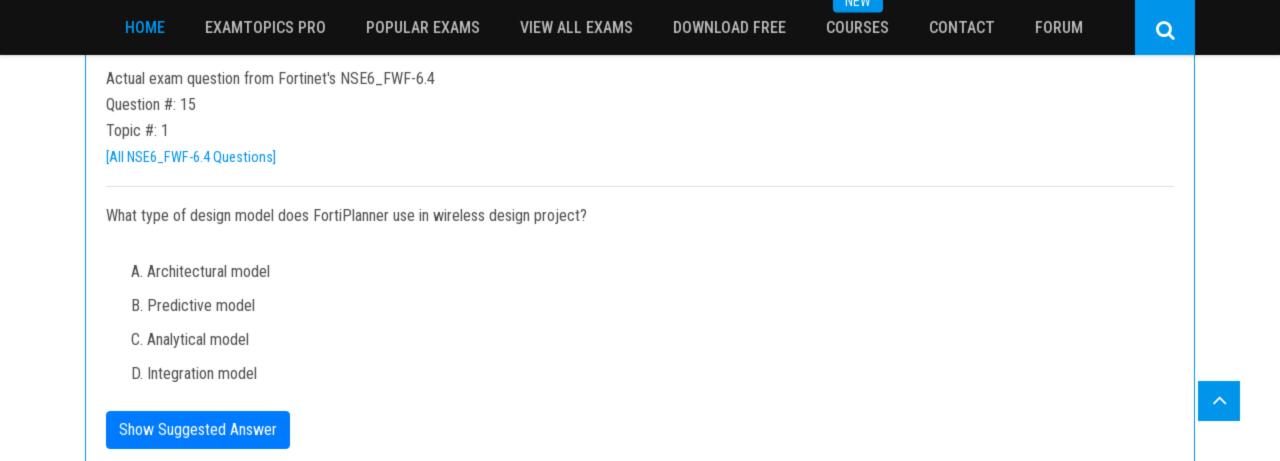
Show Suggested Answer

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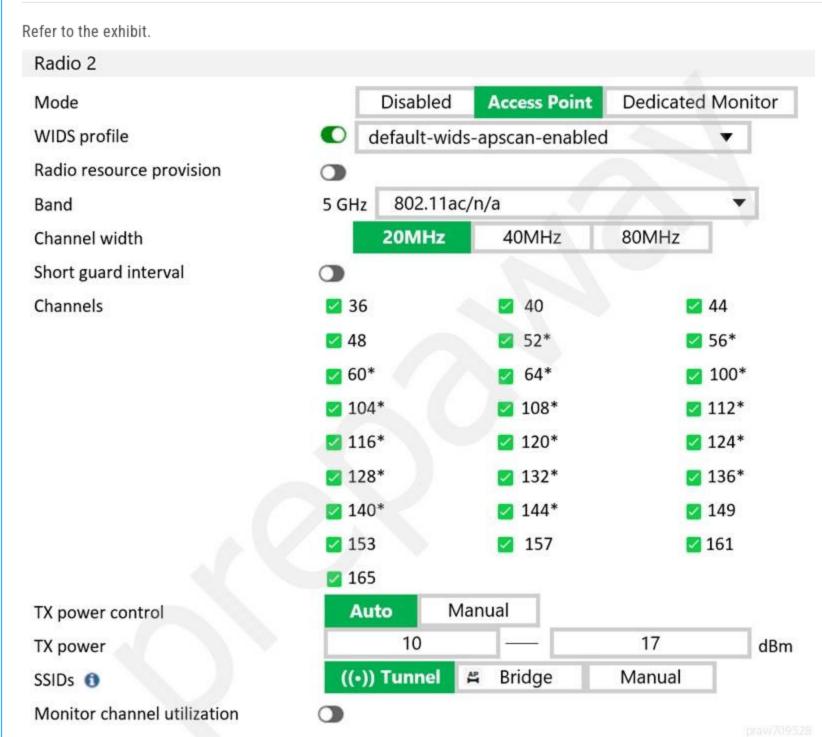




Question #: 17

Topic #: 1

[All NSE6_FWF-6.4 Questions]



What does the asterisk (*) symbol beside the channel mean?

- A. Indicates channels that can be used only when Radio Resource Provisioning is enabled
- B. Indicates channels that cannot be used because of regulatory channel restrictions
- C. Indicates channels that will be scanned by the Wireless Intrusion Detection System (WIDS)
- D. Indicates channels that are subject to dynamic frequency selection (DFS) regulations

Question #: 19

Topic #: 1

[All NSE6_FWF-6.4 Questions]

Six APs are located in a remotely based branch office and are managed by a centrally hosted FortiGate. Multiple wireless users frequently connect and roam between the APs in the remote office.

The network they connect to, is secured with WPA2-PSK. As currently configured, the WAN connection between the branch office and the centrally hosted FortiGate is unreliable.

Which configuration would enable the most reliable wireless connectivity for the remote clients?

- A. Configure a tunnel mode wireless network and enable split tunneling to the local network
- B. Configure a bridge mode wireless network and enable the Local standalone configuration option
- C. Configure a bridge mode wireless network and enable the Local authentication configuration option
- D. Install supported FortiAP and configure a bridge mode wireless network

Show Suggested Answer

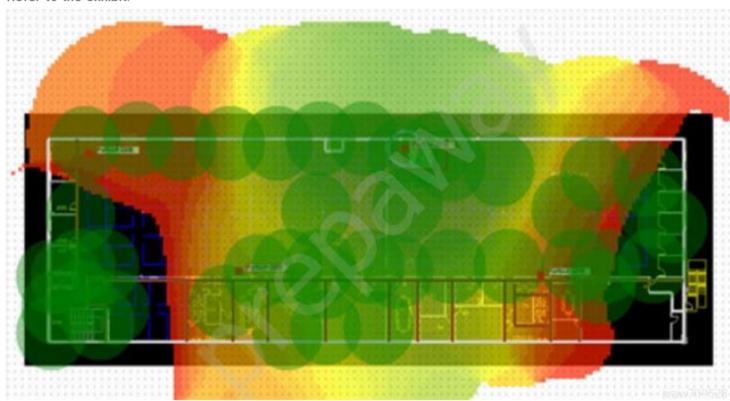
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Question #: 20

Topic #: 1

[All NSE6_FWF-6.4 Questions]

Refer to the exhibit.



If the signal is set to -68 dB on the FortiPlanner site survey reading, which statement is correct regarding the coverage area?

- A. Areas with the signal strength equal to -68 dB are zoomed in to provide better visibility
- B. Areas with the signal strength weaker than -68 dB are cut out of the map
- C. Areas with the signal strength equal or stronger than -68 dB are highlighted in multicolor
- D. Areas with the signal strength weaker than -68 dB are highlighted in orange and red to indicate that no signal was propagated by the APs.

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