***Introduction to describe wireless frequency and design fundamentals.***

***What is a wireless signal?***

A way of sending digital information (1s and 0s) through the air

Sent using Distinct Frequencies(FLY-By: amplitude)

Final Strength measured in RSSI( and don’t forget snr)

On the Microsoft store Wifi Analyzer helps you with your signal strength.

1. Amazing
2. -20 -30 great
3. -40 -50 ok
4. -60 -70 bad

A user states they have a poor wireless signal. From the RSSI, which of the following transmission levels is considered poor?

-60to -70 dbm

***Battle of the Bands***

Channel / wireless frequency: A human word to simply describe a range of frequencies.

Most common wireless channel is 20-22mhz wide.

The only non-overlapping channel in 2.46ghz frequency is 1, 6 and 11. Non overlapping frequencies.

On the typical 2.4GHz frequency, which of the following do NOT overlap? (Choose three)

1,6,11

***Basic and extended ssids and WAP Placement***

Basic Service Set(BSS) - The Basic Service Set is a term used to describe the collection of Stations which may communicate together within an 802.11 network. The BSS may or may not include AP (Access Point) which provide a connection onto a fixed distribution system such as an Ethernet network.

Basic Service Area (BSA)

SSID- The name of the wireless network that you assign. Human name

BSSID- Unique name almost like a mac address so you can see exactly what wireless network your connected to.

Distribution network- referring which switch or mesh it is connected to.

Roaming

Which of the following acronyms best describes multiple WAPs broadcasting one SSID?

ESS

***Review of Describe wireless frequency and design fundamentals.***