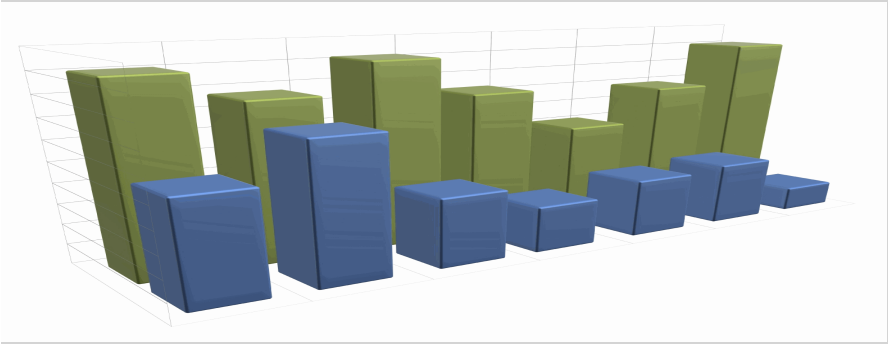
Planner Report



Surveyor: Pawel

Location:

Time Of Survey:

Planner Report

Surveyor: Pawel

Location:

Time of Planning:

Plan Description:

Report Description: AirMagnet Planner simulates Access Points as well as antenna and building characteristics to predict the number of Access Points needed and their respective locations before an actual WiFi deployment. This report provides real-time Access Point signal coverage for the floor plan and recommends the number of Access Points needed and their locations on a floor plan (marked by numbers in red).

This report also provides detailed information for the Access Points being deployed:

me/ MAC address of the Access Point
annel/SSID allocated
nned location co-ordinates for the Access Point
ight of the Access Point/antenna above floor level
pe of the antenna and its specifications

Contents

This section briefly describes each of the report components.

- **Planner Signal Coverage**

  The Signal Coverage map displays a color-coded map that shows the expected WiFi signal coverage (in dBm) at each point in the floor plan. It gives the reader a quick overview of the plan and the projected network's ability to provide adequate signal to all necessary areas. It is important to ensure that there are no coverage holes in areas where WiFi coverage is desired.

- **Planner AP Location Map**

  The AP Location Map displays a grid overlaid on top of the site map, providing a way to describe the potential locations of placed APs, as shown in the Planner AP List. The APs are displayed numerically and the numbers correspond to the numbers listed in the AP List.

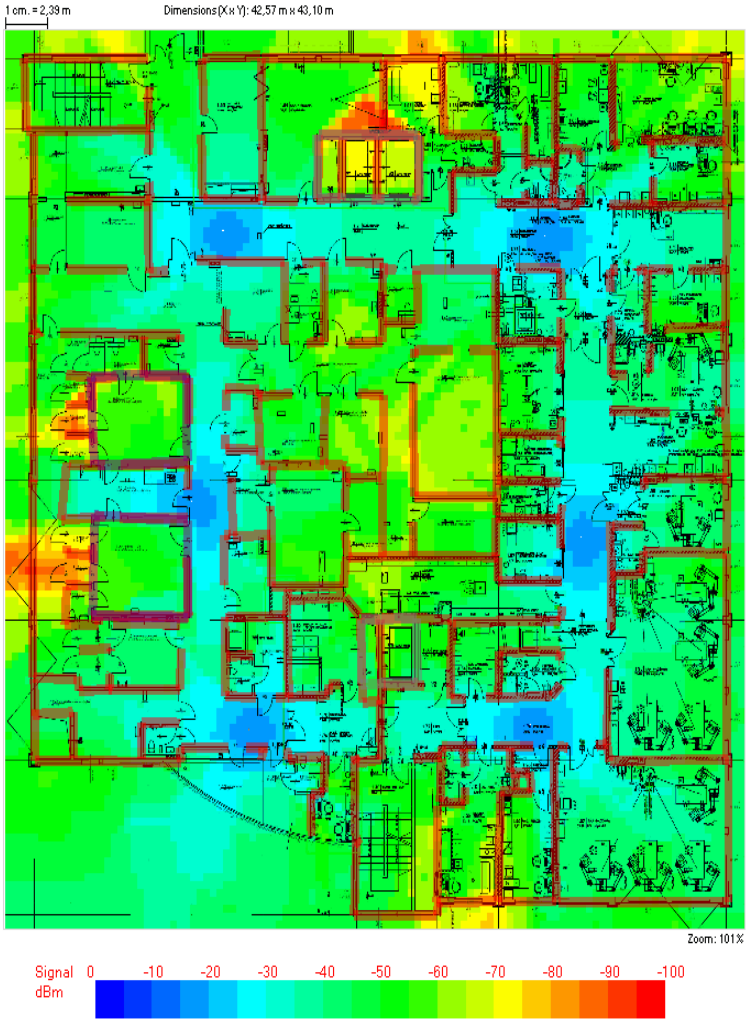
- **Planner AP List**

  The AP List displays information regarding all placed APs, including their name/MAC address, channel, SSID, antenna type, and more. This effectively provides a 'shopping list' (or bill of materials list) of the equipment required to implement the site plan.

• Planner Signal Coverage

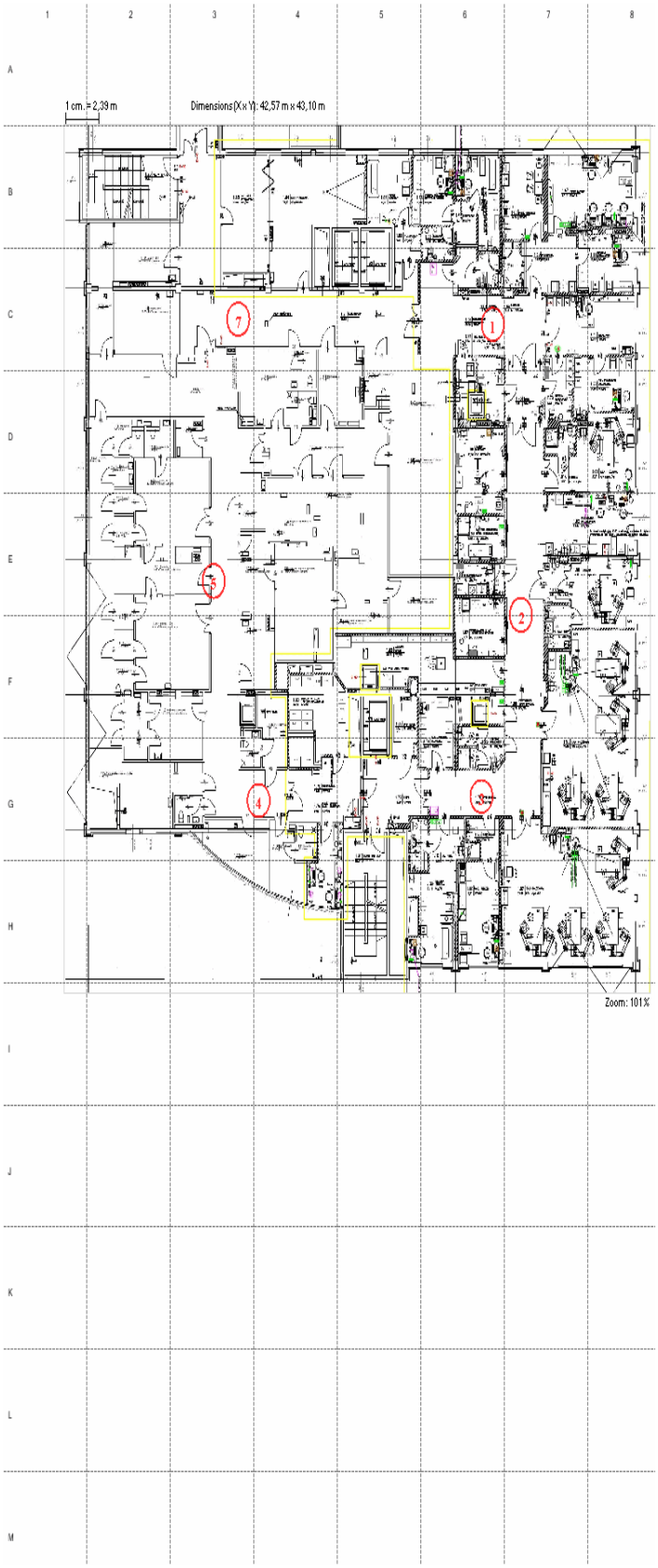
The image below displays the signal coverage (in dBm) at each point in the map layout. Refer to the legend below the map for the dBm values corresponding to each color region. As a general rule, regions with signal strengths below -67 dBm provide insufficient coverage for standard use (this value may vary depending on user requirements, service level agreements, applications used, number of users serviced, etc.).

APs are displayed in their planned locations and reflect the specified power and antenna properties. Note that an active WiFi area can incorporate a variety of environmental factors that can vary throughout the day and may adversely affect projected RF coverage.



• Planner AP Location Map

The image below displays the site map with a grid overlay to provide a means of describing each AP's location (for example, an AP placed in the top-left corner of the grid will be described by location "1-A"). The APs are numbered in the sequence that they were placed on the plan; these numbers correspond to the APs listed in the AP List (next page).



• Planner AP List

The table below lists the properties for each AP placed on the plan, including its name, location (as obtained from the grid on the previous page), MAC address, SSID, height, antenna type and angle of orientation, channel, and power.

Note that some APs may have two listings: the first represents the AP's 802.11a antenna, and the second 802.11b/g. Since these two mediums may have different antenna types and properties, they are separated in the table. This list can be used as a 'shopping list' or 'bill of materials list' for the wireless equipment to be purchased.

Name	Location	MAC	SSID	Height
AP-1(BG)	6-C	00:00:00:00:00:02	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 1	**Angle:** 0	**Power:** 100 (mWatts)
AP-1(A)	6-C	00:00:00:00:00:03	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 44	**Angle:** 0	**Power:** 100 (mWatts)
AP-2(BG)	7-E	00:00:00:00:00:03	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 6	**Angle:** 0	**Power:** 100 (mWatts)
AP-2(A)	7-E	00:00:00:00:00:04	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 40	**Angle:** 0	**Power:** 100 (mWatts)
AP-3(BG)	6-G	00:00:00:00:00:05	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 11	**Angle:** 0	**Power:** 100 (mWatts)
AP-3(A)	6-G	00:00:00:00:00:06	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 48	**Angle:** 0	**Power:** 100 (mWatts)
AP-4(BG)	4-G	00:00:00:00:00:07	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 1	**Angle:** 0	**Power:** 100 (mWatts)
AP-4(A)	4-G	00:00:00:00:00:08	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 52	**Angle:** 0	**Power:** 100 (mWatts)
AP-5(BG)	3-E	00:00:00:00:00:09	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 6	**Angle:** 0	**Power:** 100 (mWatts)
AP-5(A)	3-E	00:00:00:00:00:0A	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 56	**Angle:** 0	**Power:** 100 (mWatts)
AP-6(BG)	1-C	00:00:00:00:00:0B	Unknown SSID	2
Antenna: Omni-Directional (2.15dB)		**CH:** 1	**Angle:** 0	**Power:** 100 (mWatts)

AP-6(A)	1-C	00:00:00:00:00:0C	Unknown SSID		2
Antenna: Omni-Directional (2.15dB)		**CH:** 60	**Angle:** 0	**Power:** 100 (mWatts)	
AP-6(BG)	3-C	00:00:00:00:00:15	Unknown SSID		2
Antenna: Omni-Directional (2.15dB)		**CH:** 11	**Angle:** 0	**Power:** 100 (mWatts)	
AP-6(A)	3-C	00:00:00:00:00:16	Unknown SSID		2
Antenna: Omni-Directional (2.15dB)		**CH:** 60	**Angle:** 0	**Power:** 100 (mWatts)	