

**Hospital Authority**

**Post-Installation**

**WLAN Site Survey Report**

**[Hospital] ([Hospital Code])**

**[Area]**

**Request #: [Ref]**

**Site Representatives**

|  |  |
| --- | --- |
| **HA** | [HA Contact] |
| **Macroview** | [SiteEngineer] |

**Document History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Prepared by** | **Changes** |
| 1.0 | 01-Jan-2011 | [Engineer] | Initial version |
|  |  |  |  |

**Doc Release v1.11**

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# Survey Summary

## Survey Information

|  |  |
| --- | --- |
| Request No.: |  |
| Location: | () |
| Area: |  |
| Installation Date: | 1960-01-01 |
| Site Survey Date: | 1960-01-02 |

## No. of AP Installed

Refer to the given floor plan, the number of WLAN access point installed per floor is listed below:

|  |  |  |
| --- | --- | --- |
| **Location** | **Area** | **No. of AP** |
|  |  | [Qty] |

*Please note that WIFI survey report is used for AP planning reference only while the result may vary due to environment change or client adapter change.*

## AP Device Setting

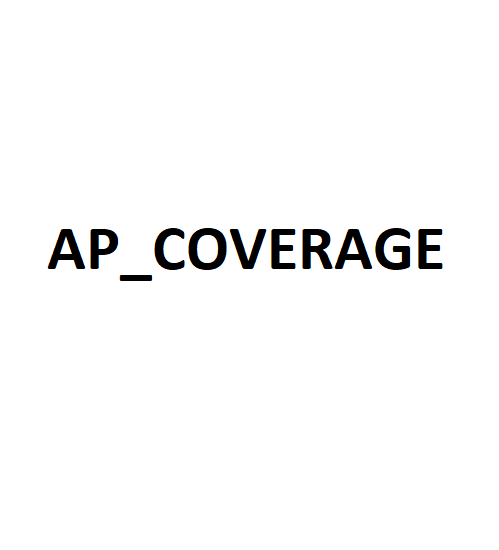
## Target Coverage Area & Survey Path

### Diagram Legend

|  |  |
| --- | --- |
| **1** | Access Point Location |
| **1** | Access Point Location |
|  | Coverage Area |
|  | Optional Area (if applicable) |

### Target Coverage Area and Survey Path

|  |  |  |
| --- | --- | --- |
| **Location** | **Area** | **No. of AP** |
| [Hospital Code] | [Area] | [Qty] |



**1**

**2**

Add Remark for path not walked

no access right

or obstruction

or other reasons

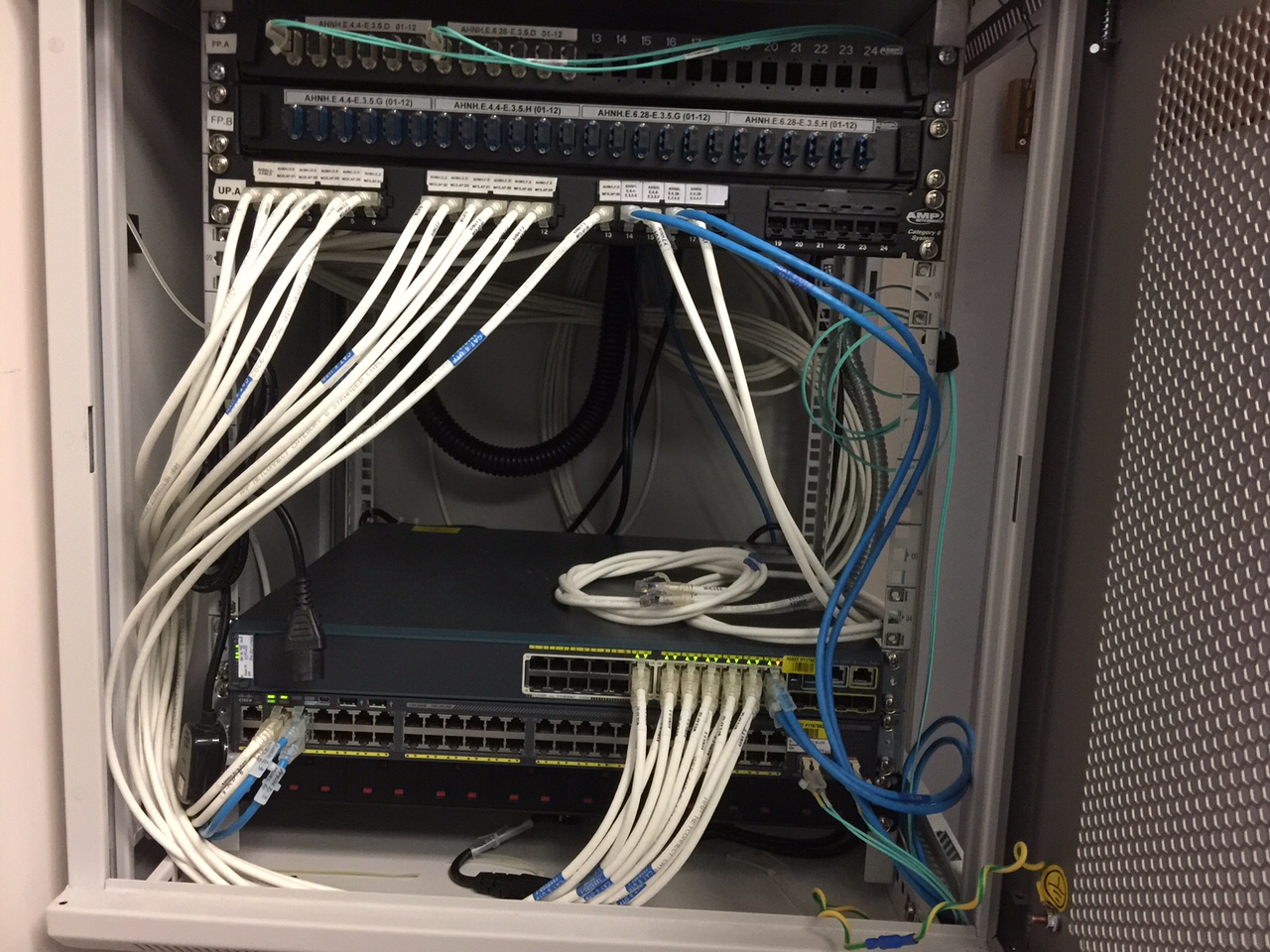
|  |  |  |
| --- | --- | --- |
| **AP** | **Hostname** | **IP Address** |
| 1 | PYN.MB.6.WA6.AP.01 | 160.19.172.207 |
| 2 | PYN.MB.6.WA6.AP.02 | 160.19.172.208 |
| 3 | PYN.MB.6.WA6.AP.03 | 160.19.172.209 |
| 4 | PYN.MB.6.WA6.AP.04 | 160.19.172.210 |

# Physical Installation Location

## 

# Equipment Photo

## Cabinet Overview



Remarks:

If you need going to Cabinet to patch the LAN cable, please patch the cable according to the data port flat panel side by side. Add a circle and arrow in the picture which LAN cable you have patched.

If there is NO need going to Cabinet to patch the LAN cable, just remark:

(N/A, LAN Cable was patched by Third party)

# Survey Result

## Survey Tools & Baseline

### Survey Tools

|  |  |
| --- | --- |
| **Tools** | **Description** |
| Network Card | Proxim Wireless 8494 802.11a/b/g/n USB Adapter  MAC Address: 00-20-A6-CA-7A-CE |
| Survey Application | AirMagnet Survey Professional Edition v8.7 |

### Survey Baseline

The survey baseline is used to adopt the receive sensitivity of WLAN adapter used by majority HA user.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Recommended Value** | **Remarks** |
| **Signal Strength** | **> -63dBm** |  |
| Signal to Noise Ratio | > 30dB |  |
| Noise Level | < -90dBm | Reference only  Uncontrollable factor |

Remarks:

For Signal Strength & Signal to Noise Ratio, the recommended value should be referred to the pre-survey value.

## Survey Report for 5.0GHz channel

### Signal to Noise Ratio (S/N Ratio) for 5.0GHz channel

|  |  |  |
| --- | --- | --- |
| **Location** | **Area** | **Min. SNR (dB)** |
| [Hospital Code] | [Area] |  |

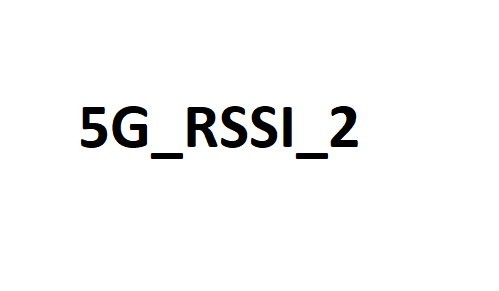


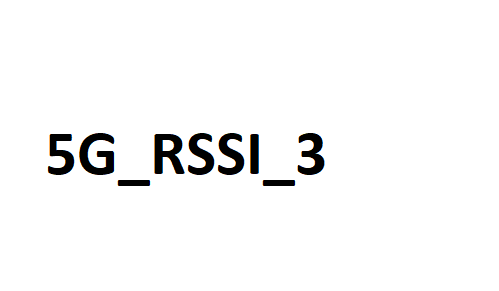
### Signal Strength for 5.0GHz channel

|  |  |  |
| --- | --- | --- |
| **Location** | **Area** | **Min. RSSI (dBm)** |
| [Hospital Code] | [Area] |  |



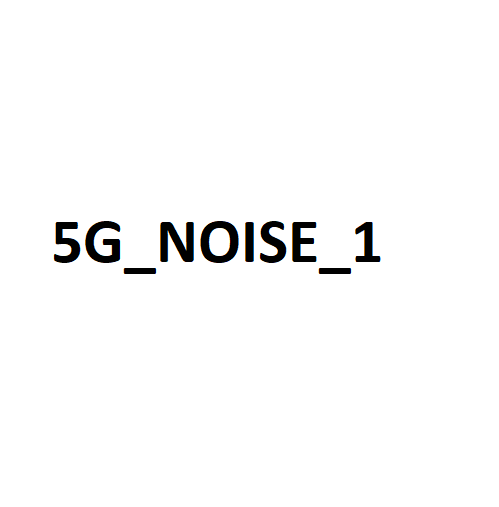
**Signal Strength for 5.0GHz channel (Reverse Selection)**

****



### Noise Level for 5.0GHz channel

|  |  |  |
| --- | --- | --- |
| **Location** | **Area** | **Max. Noise (dBm)** |
| [Hospital Code] | [Area] |  |



## Survey Report for 2.4GHz channel

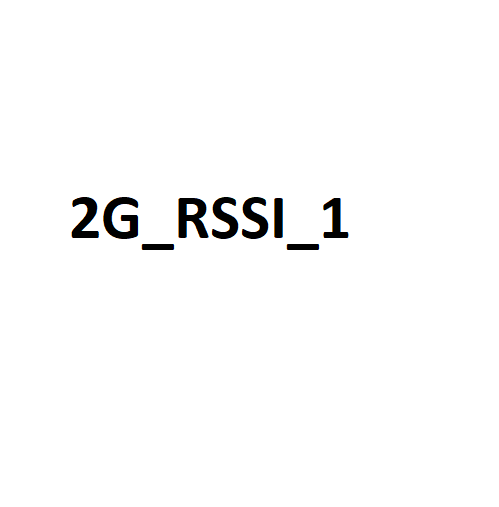
### Signal to Noise Ratio (S/N Ratio) for 2.4GHz channel

|  |  |  |
| --- | --- | --- |
| **Location** | **Area** | **Min. SNR (dB)** |
| [Hospital Code] | [Area] |  |

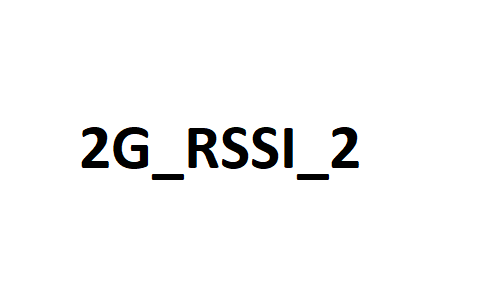


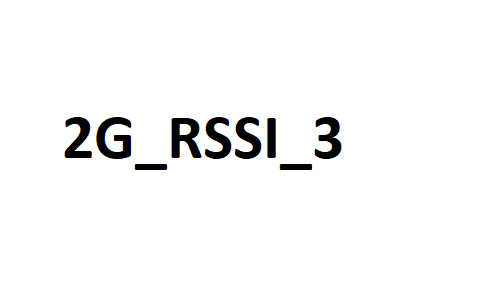
### Signal Strength for 2.4GHz channel

|  |  |  |
| --- | --- | --- |
| **Location** | **Area** | **Min. RSSI (dBm)** |
| [Hospital Code] | [Area] |  |



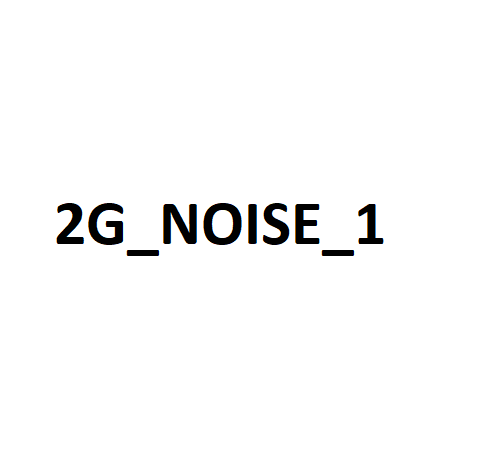
**Signal Strength for 2.4GHz channel (Reverse Selection)**

****

****

### Noise Level for 2.4GHz channel

|  |  |  |
| --- | --- | --- |
| **Location** | **Area** | **Max. Noise (dBm)** |
| [Hospital Code] | [Area] |  |



# Verification Test

## FTP & Link Test (Controller Reading)

The link test is to capture controller reading with a network adapter provided by HA. (if applicable)

### Test Location Points



**1**

Remarks:

No need to add the remarks for optional areas.

### 

### Link & FTP Test Result Summary (5.0GHz Channel)

### Link & FTP Test Raw Result (5.0GHz Channel)

### Link & FTP Test Result Summary (2.4GHz Channel)

### Link & FTP Test Raw Result (2.4GHz Channel)

**~ END ~**