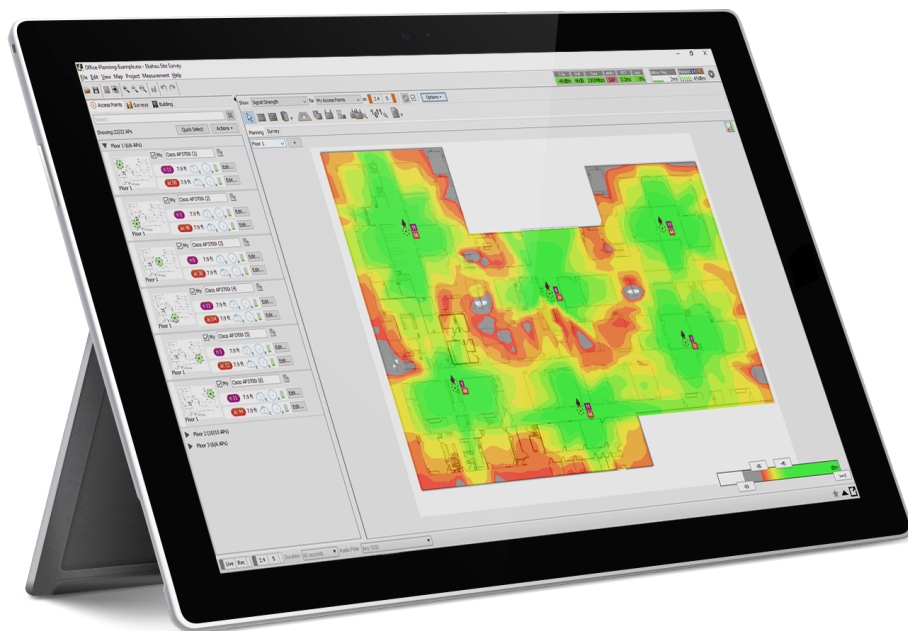


Wi-Fi Network Report



Name: **SRTA**

Location:

Responsible Person:

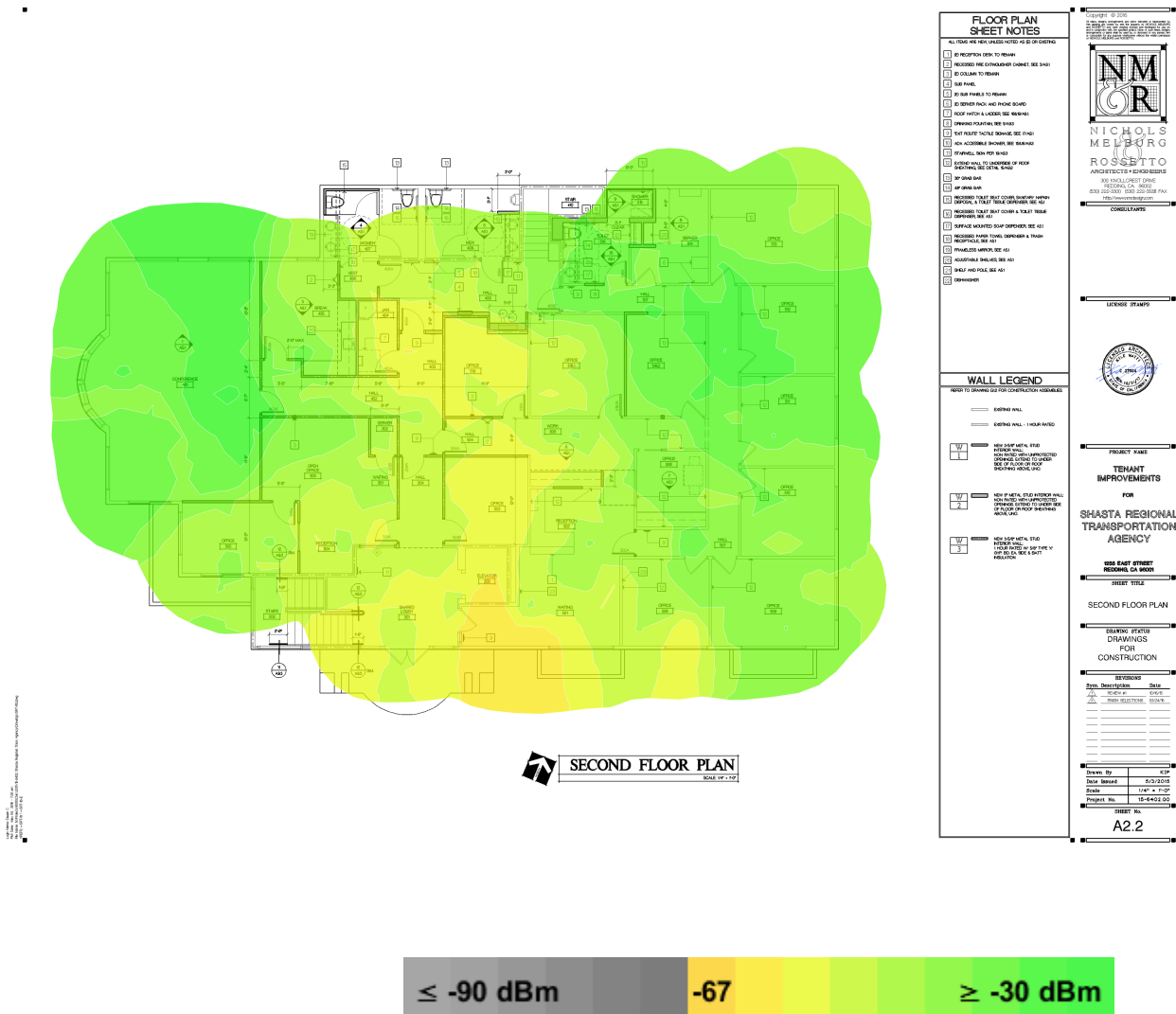
Wi-Fi Network Report

Project description

Wi-Fi Network Report

Signal Strength for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 2.4 GHz band

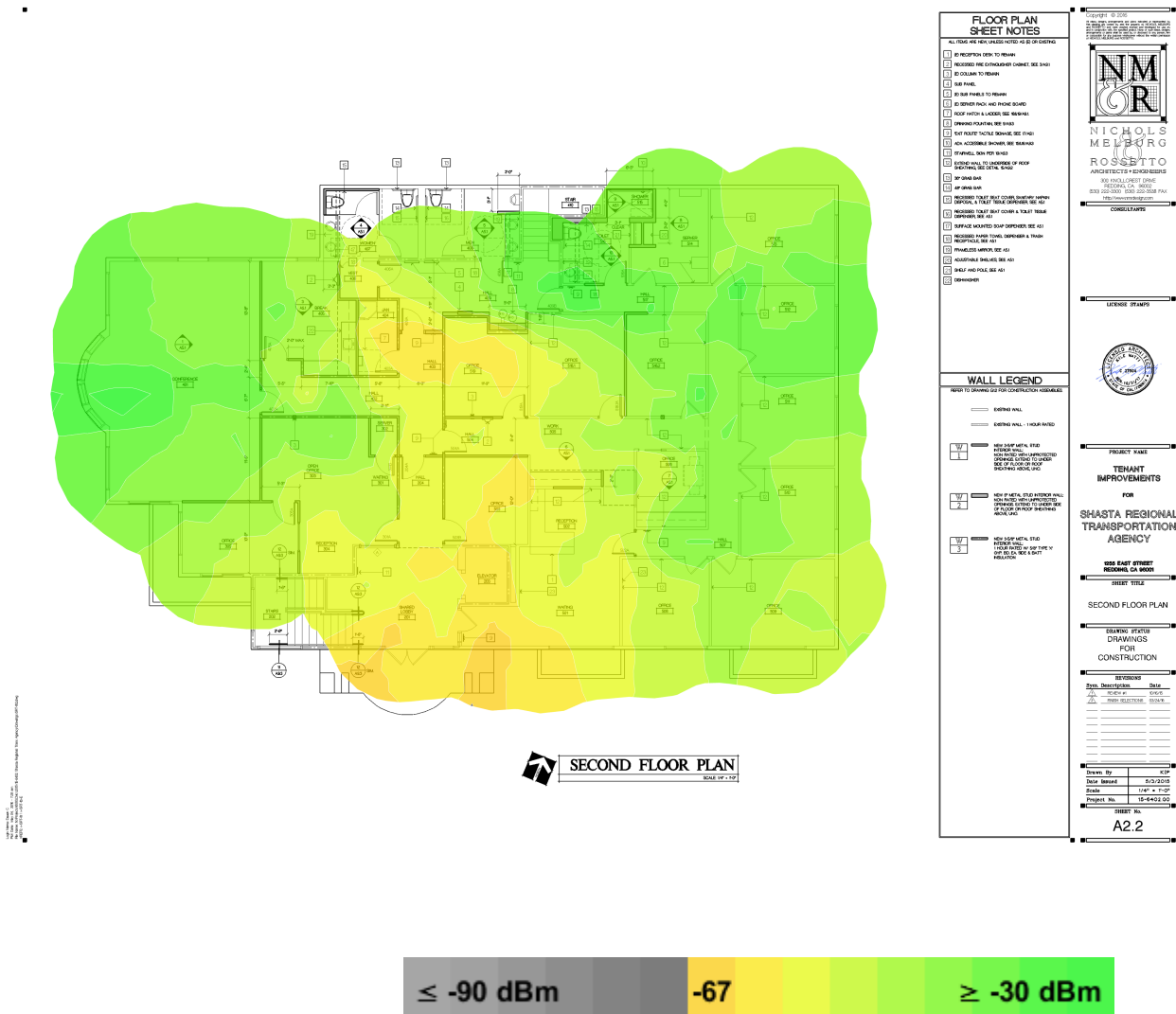
Signal Strength - sometimes called coverage - is the most basic requirement for a wireless network. As a general guideline, low signal strength means unreliable connections, and low data throughput.



Wi-Fi Network Report

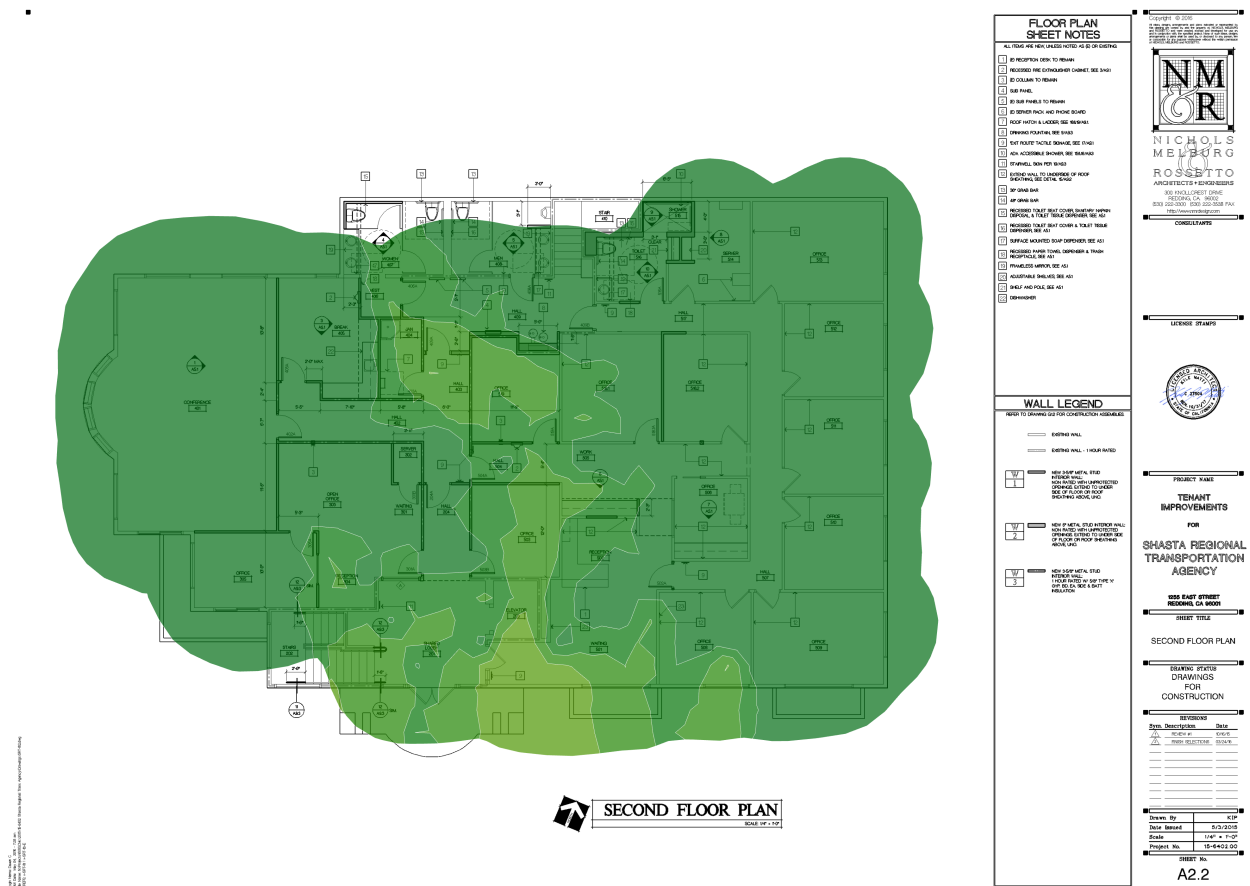
Signal Strength for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 5 GHz band

Signal Strength - sometimes called coverage - is the most basic requirement for a wireless network. As a general guideline, low signal strength means unreliable connections, and low data throughput.



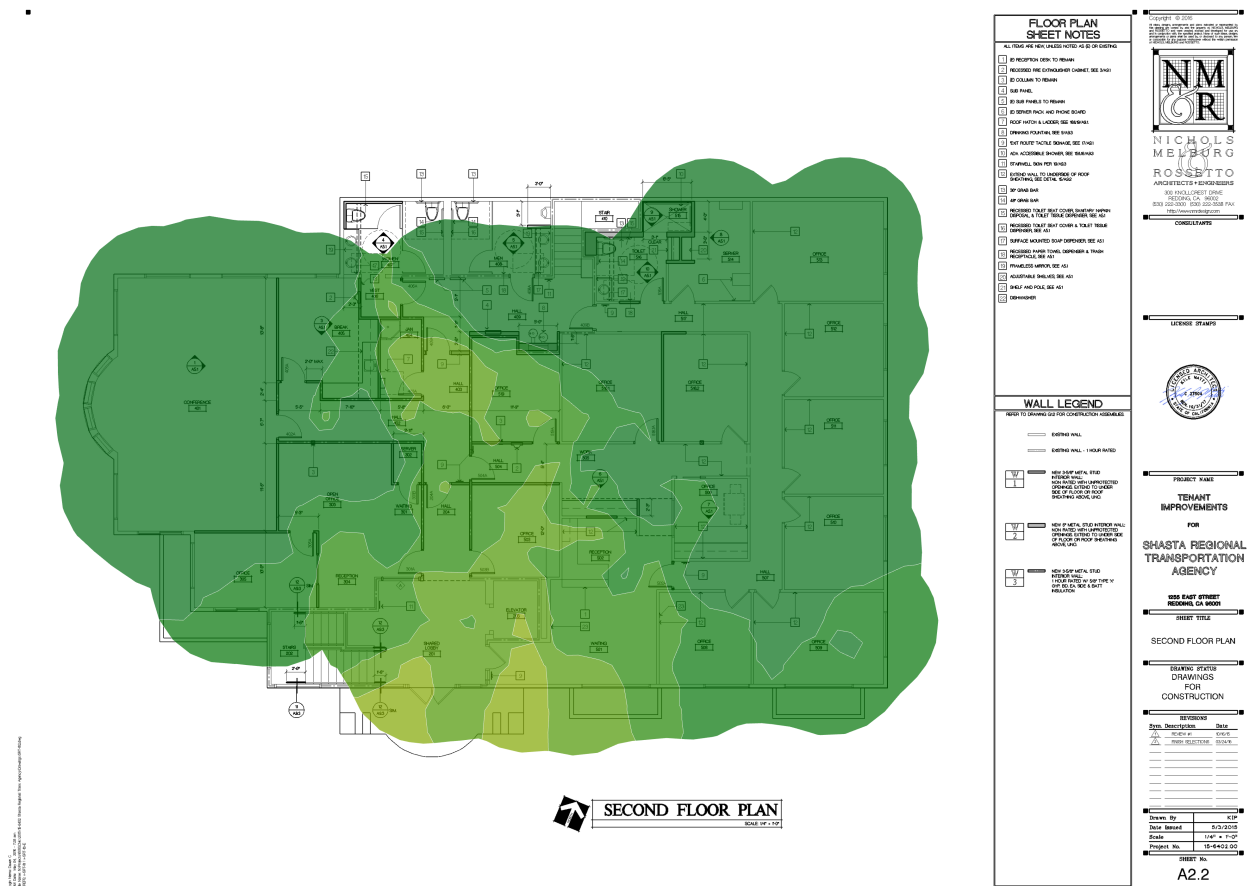
Signal To Noise Ratio (SNR) for Second Floor Plan SRTA Building Remodel DRAWINGS
Contract No 2016-01 on 2.4 GHz band

Signal-To-Noise Ratio indicates how much the signal strength is stronger than the noise (co-channel interference). Signal must be stronger than noise (SNR greater than zero) for data transfer to be possible. If the signal is only barely stronger than noise, you may encounter occasional connection drop-offs.



Signal To Noise Ratio (SNR) for Second Floor Plan SRTA Building Remodel DRAWINGS
Contract No 2016-01 on 5 GHz band

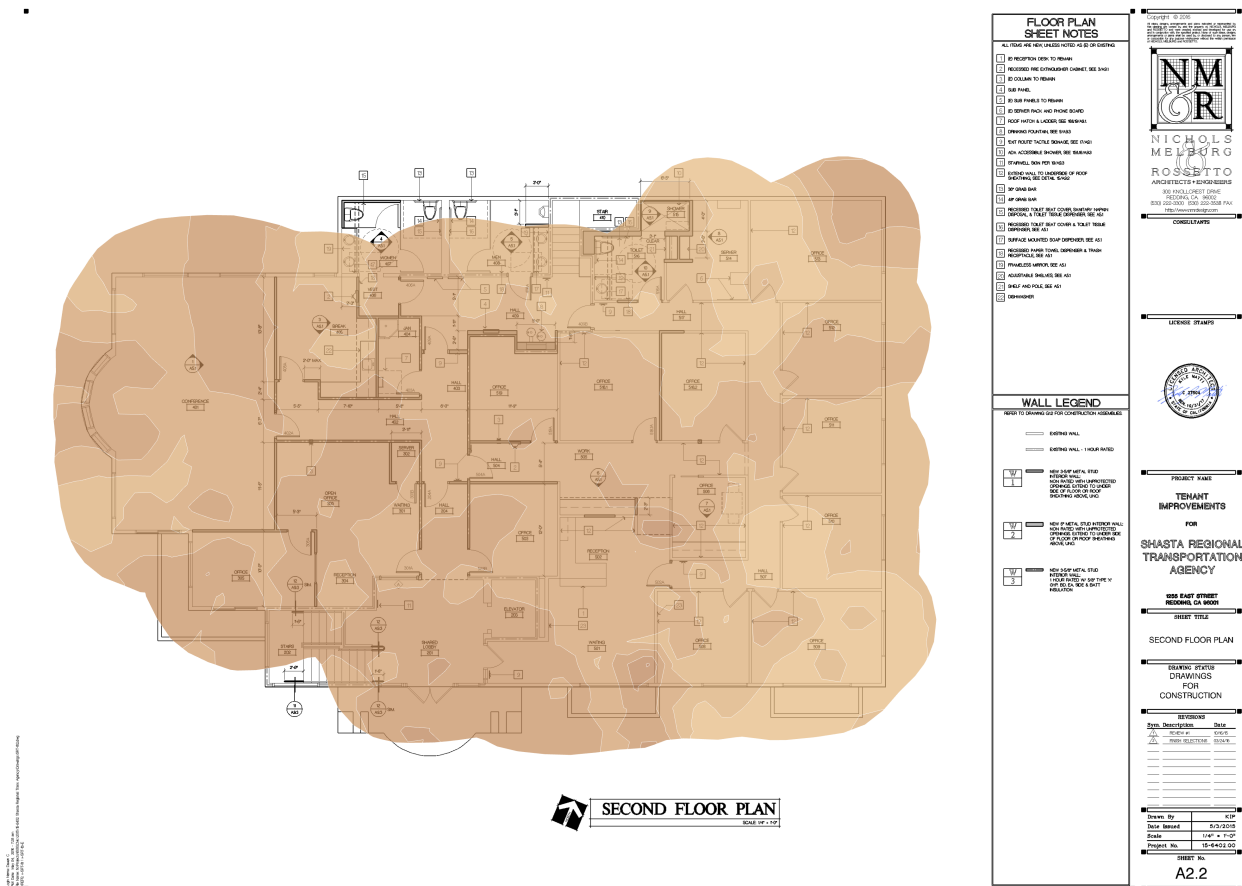
Signal-To-Noise Ratio indicates how much the signal strength is stronger than the noise (co-channel interference). Signal must be stronger than noise (SNR greater than zero) for data transfer to be possible. If the signal is only barely stronger than noise, you may encounter occasional connection drop-offs.



Wi-Fi Network Report

Number of APs for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 2.4 GHz band

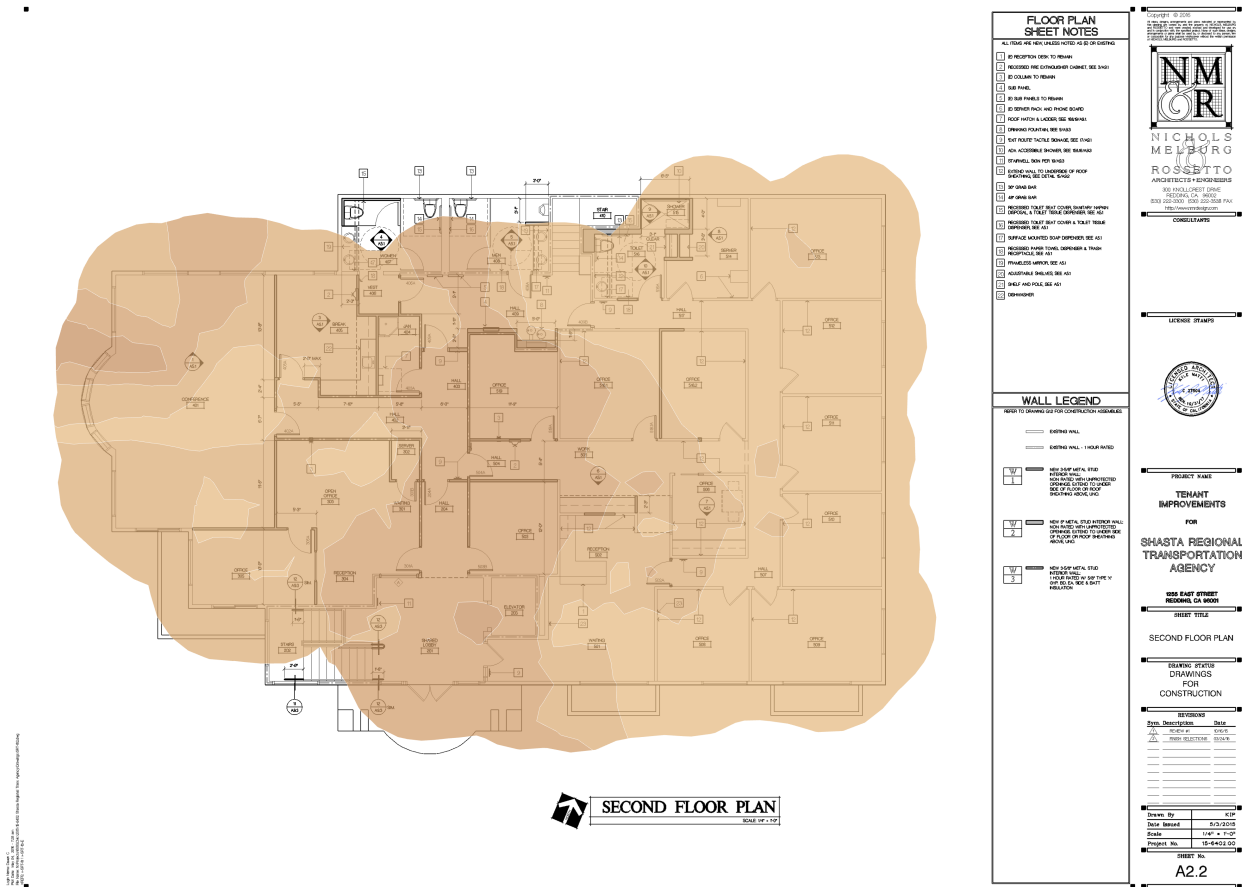
Number of Access Points indicates the number of access points audible at each location.



Wi-Fi Network Report

Number of APs for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 5 GHz band

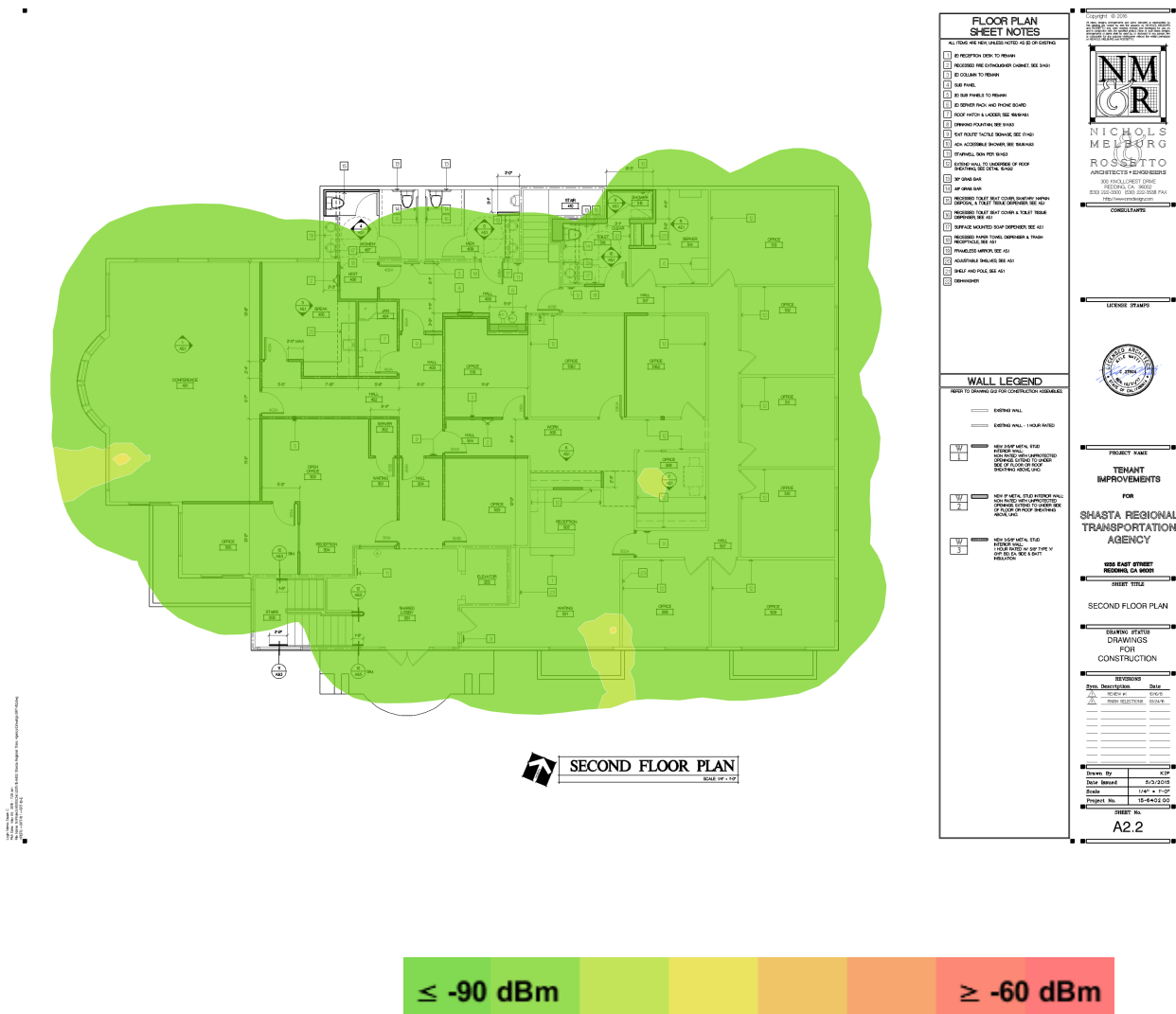
Number of Access Points indicates the number of access points audible at each location.



Wi-Fi Network Report

Noise for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 2.4 GHz band

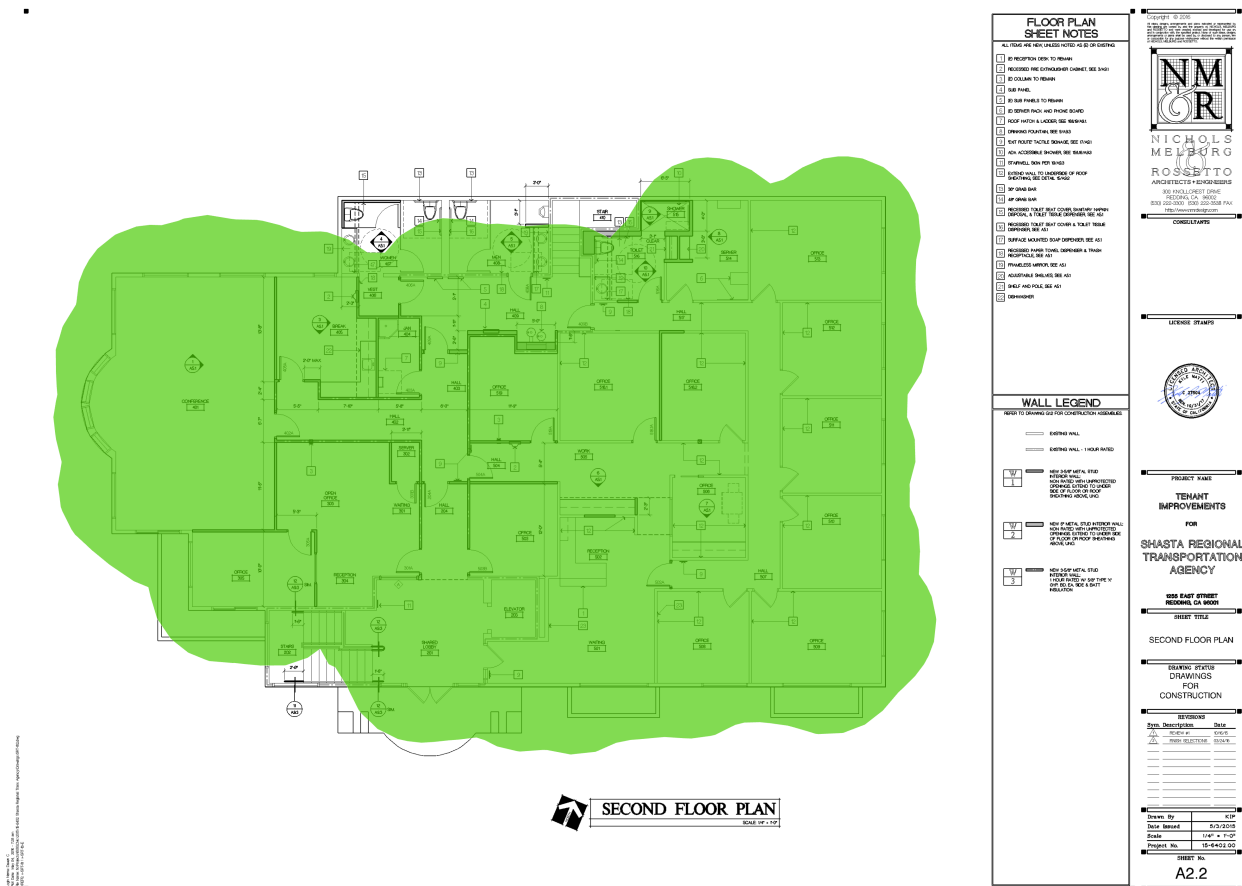
Displays the noise level in the network as measured by the network adapter.



Wi-Fi Network Report

Noise for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 5 GHz band

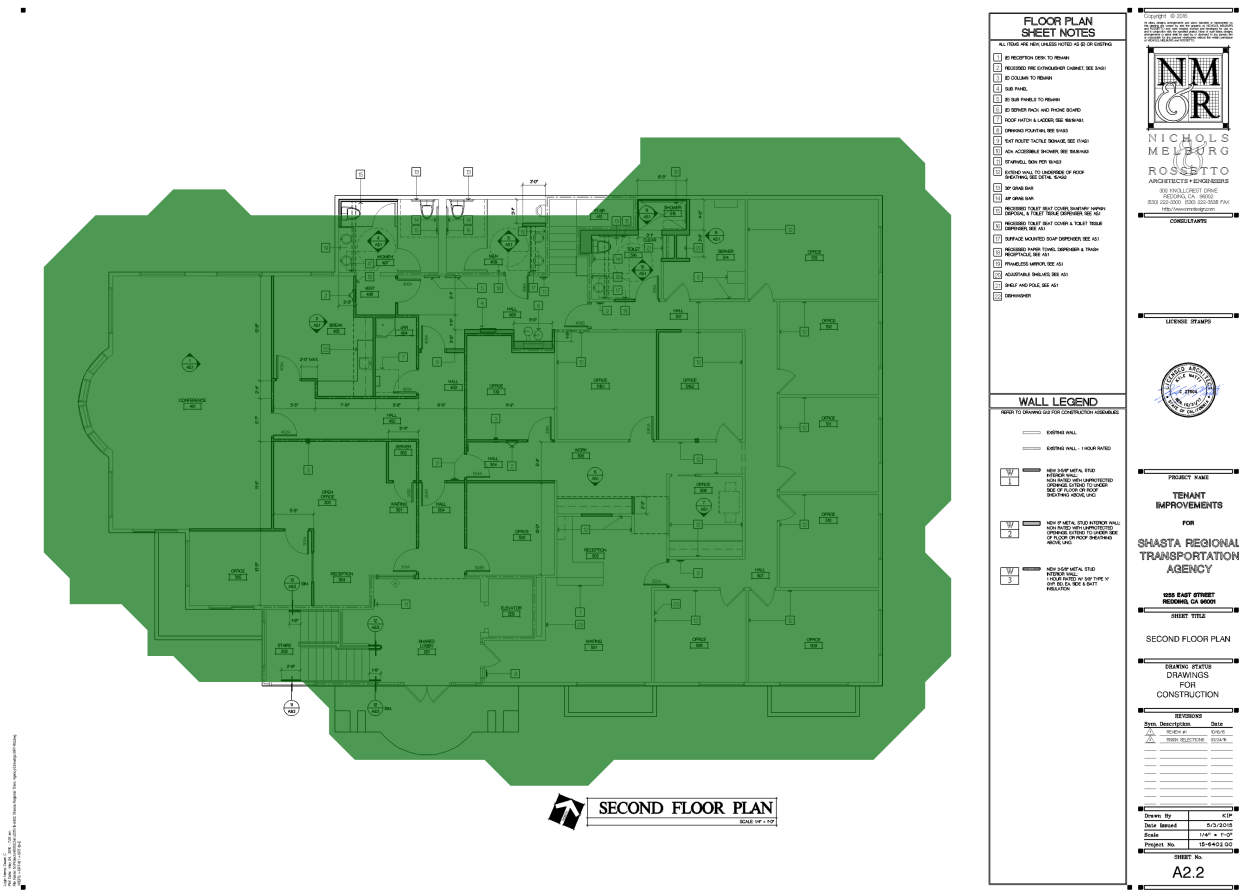
Displays the noise level in the network as measured by the network adapter.



Wi-Fi Network Report

Data Rate for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 2.4 GHz band

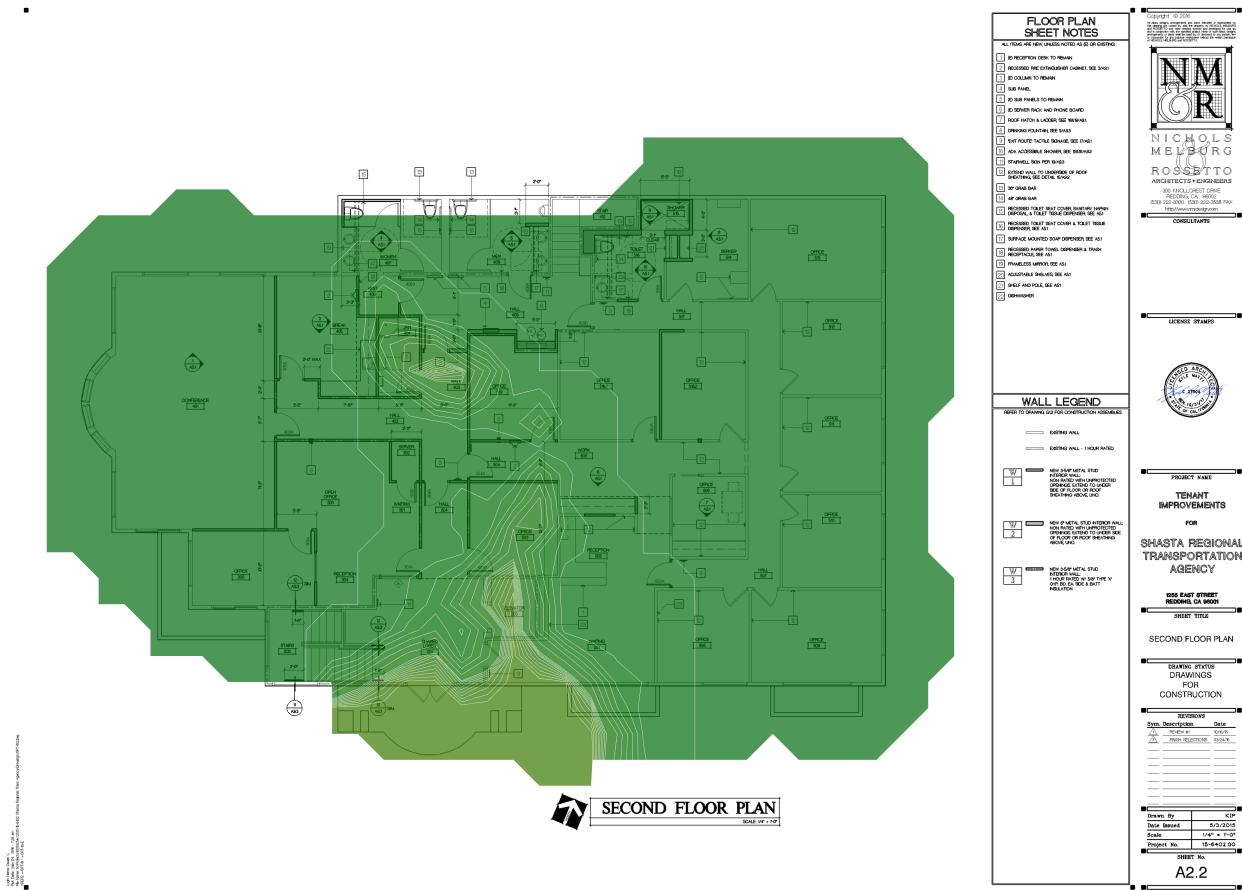
Data Rate is the highest possible speed (measured in megabits per second) at which the wireless devices will be transmitting data. Typically the true data throughput is about half of the data rate or less.



Wi-Fi Network Report

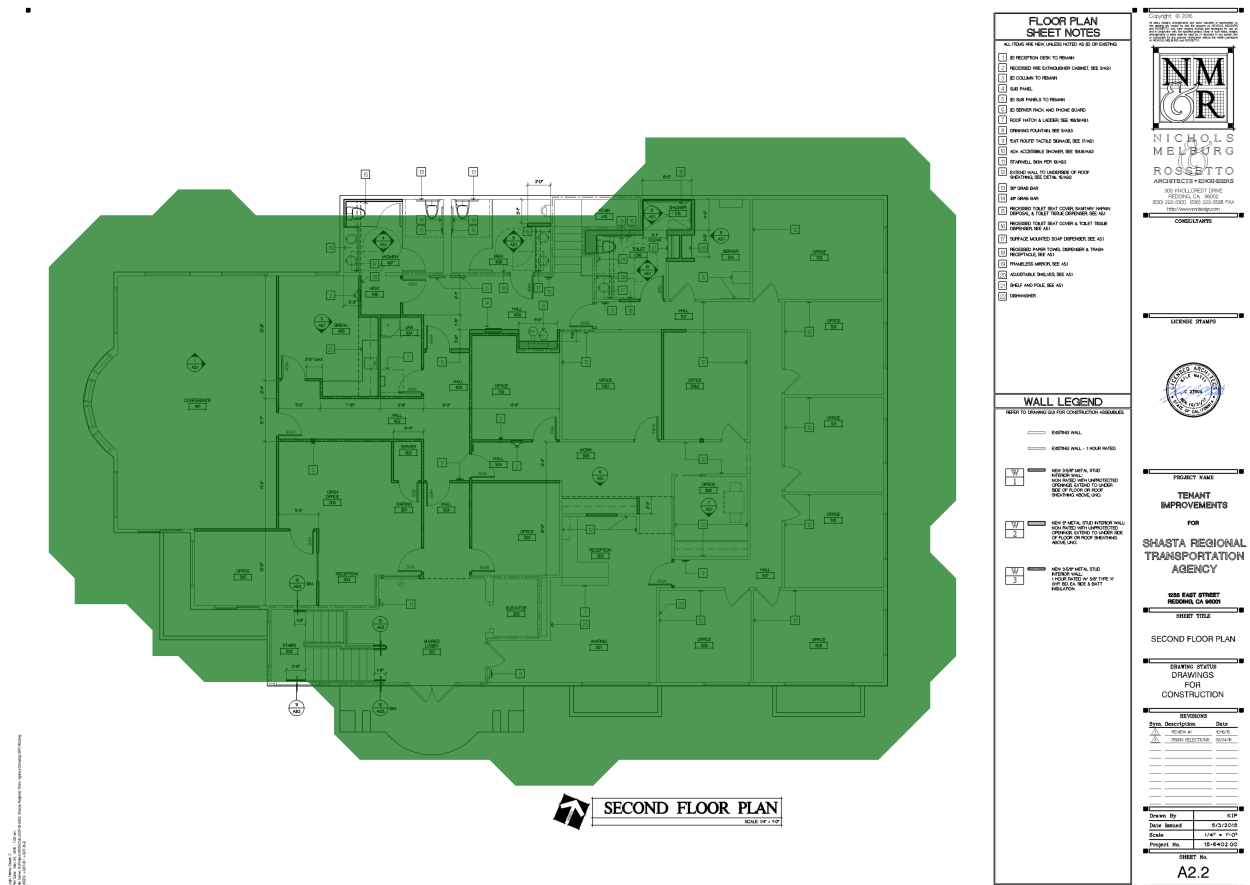
Data Rate for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 5 GHz band

Data Rate is the highest possible speed (measured in megabits per second) at which the wireless devices will be transmitting data. Typically the true data throughput is about half of the data rate or less.



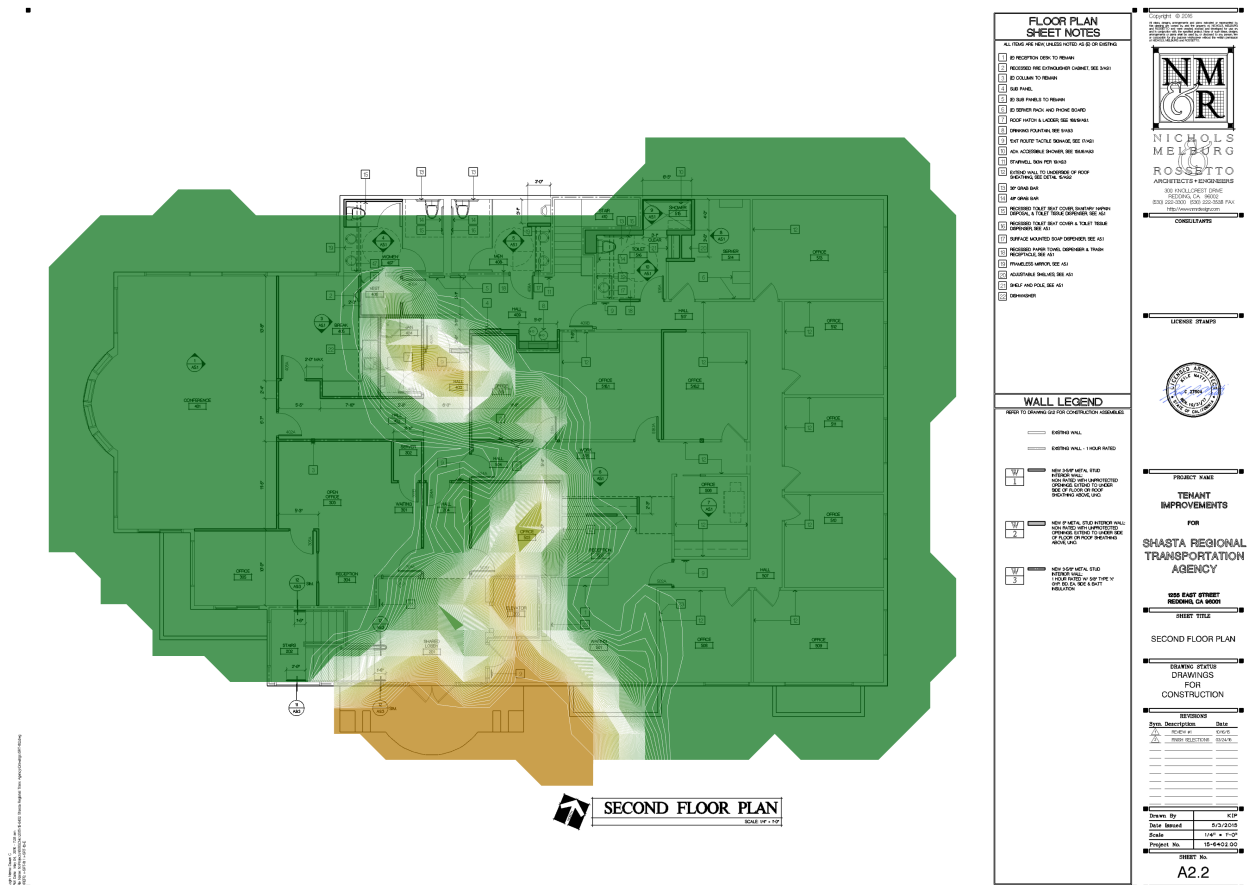
Throughput for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 2.4 GHz band

Displays the measured throughput. If no measured throughput is available, then the estimated maximum throughput is shown instead.



Throughput for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 5 GHz band

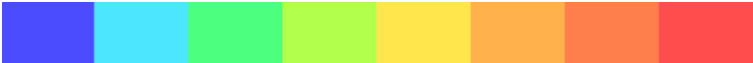
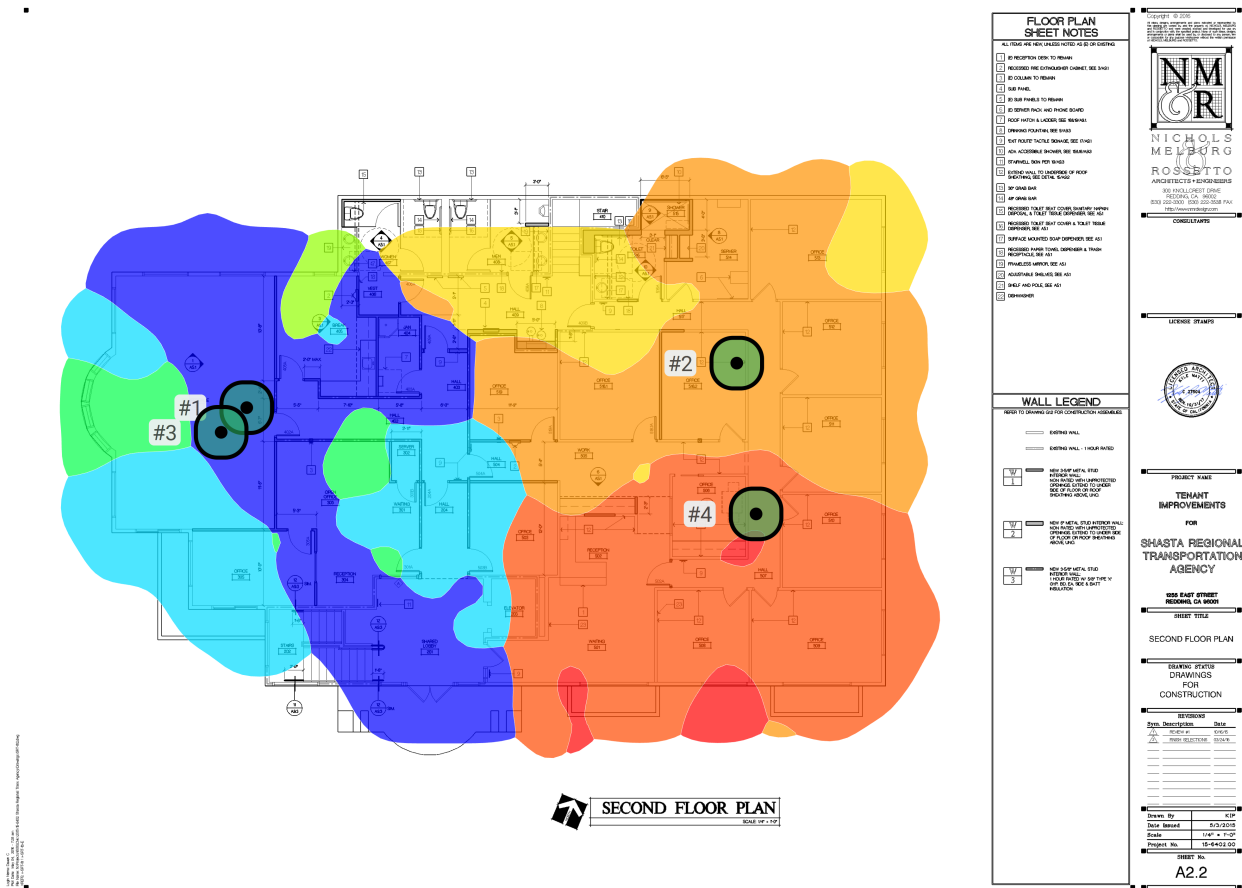
Displays the measured throughput. If no measured throughput is available, then the estimated maximum throughput is shown instead.



Wi-Fi Network Report

Associated Access Point for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01

Displays the access point the client device is associated with.
The image shows Predicted Association - Signal Strength



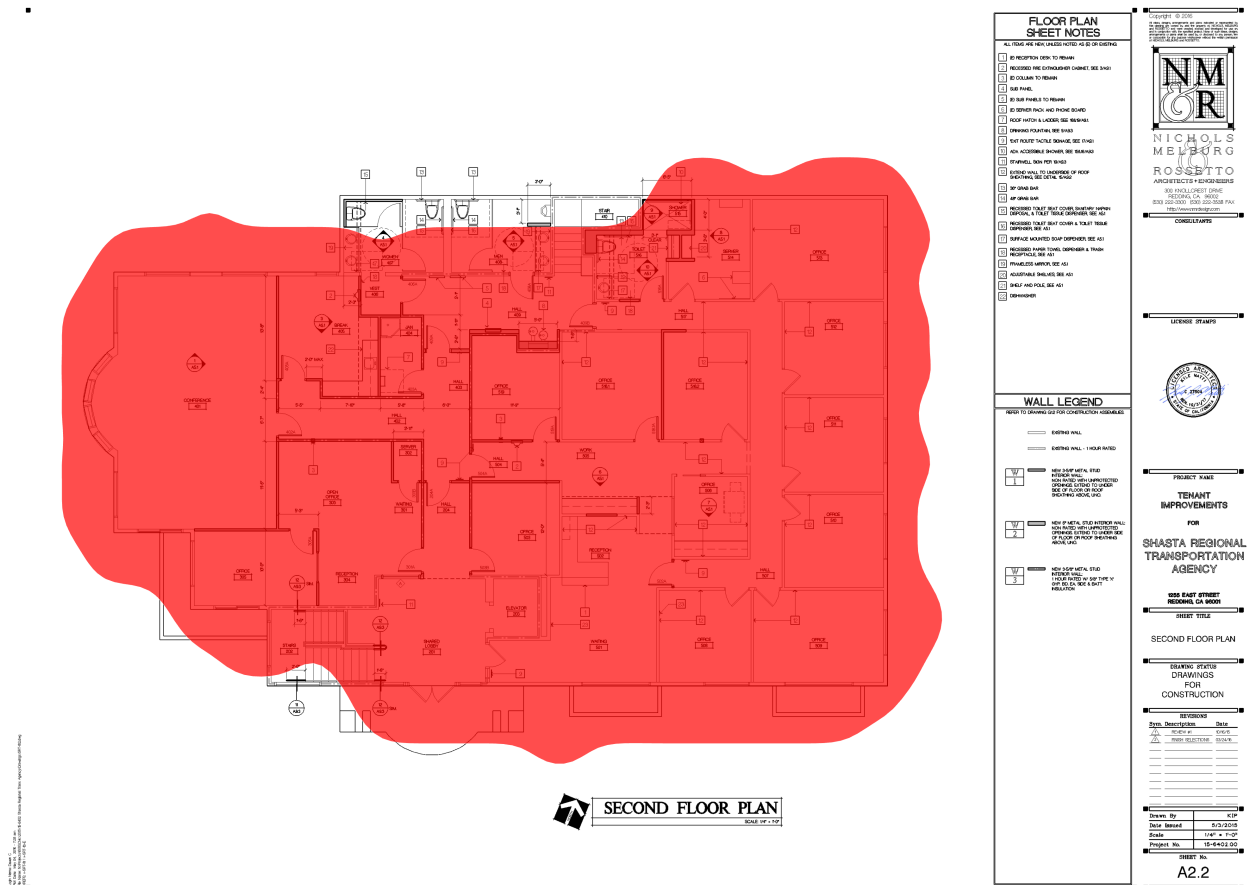
AP #	Access Point			
1	Measured AP-52:d0		Cisco	
		1	a0:55:4f:68:52:d8	SRTA
	802.11n	1	a0:55:4f:68:52:d9	SRTA Public

Wi-Fi Network Report

	 802.11ac  802.11ac	36@80 36@80	a0:55:4f:68:52:d1 a0:55:4f:68:52:d0	SRTA Public SRTA
2	Measured AP-c9:30		Cisco	
	 802.11n  802.11n	6 6	bc:16:f5:da:c9:38 bc:16:f5:da:c9:39	SRTA SRTA Public
	 802.11ac  802.11ac	149@80 149@80	bc:16:f5:da:c9:31 bc:16:f5:da:c9:30	SRTA Public SRTA
3	Measured AP-e3:20		Cisco	
	 802.11n  802.11n	11 11	a0:55:4f:68:e3:28 a0:55:4f:68:e3:29	SRTA SRTA Public
	 802.11ac  802.11ac	100@80 100@80	a0:55:4f:68:e3:21 a0:55:4f:68:e3:20	SRTA Public SRTA
4	Measured AP-e7:a0		Cisco	
	 802.11n  802.11n	6 6	a0:55:4f:68:e7:a9 a0:55:4f:68:e7:a8	SRTA Public SRTA
	 802.11ac  802.11ac	36@80 36@80	a0:55:4f:68:e7:a1 a0:55:4f:68:e7:a0	SRTA Public SRTA

Network Health for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 2.4 GHz band

Wi-Fi is typically built for a certain purpose or several purposes, such as VoIP, web browsing, or location tracking. With Network Health, you can, with a single visualization, display whether the network meets your requirements or not.

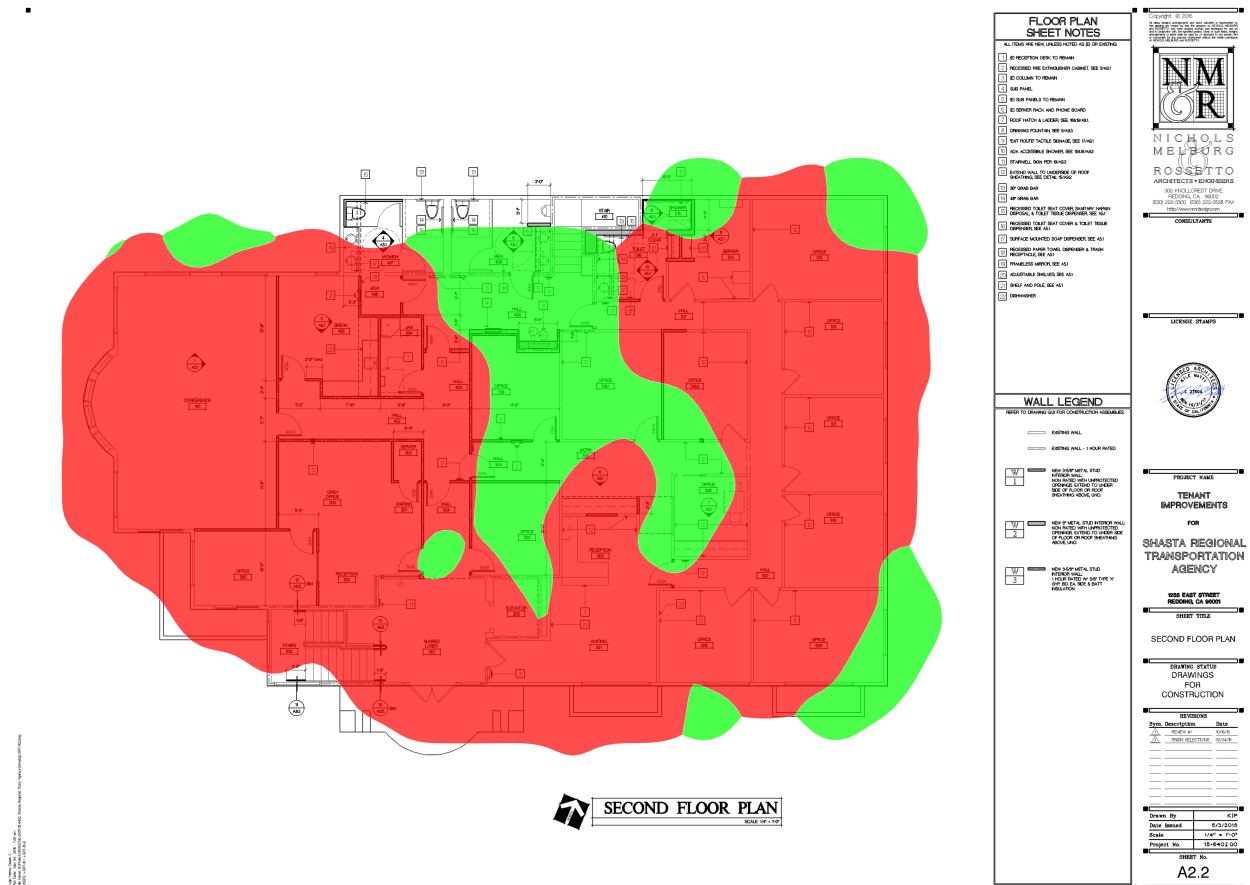


Fail **Pass**

Network Health for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 5 GHz band

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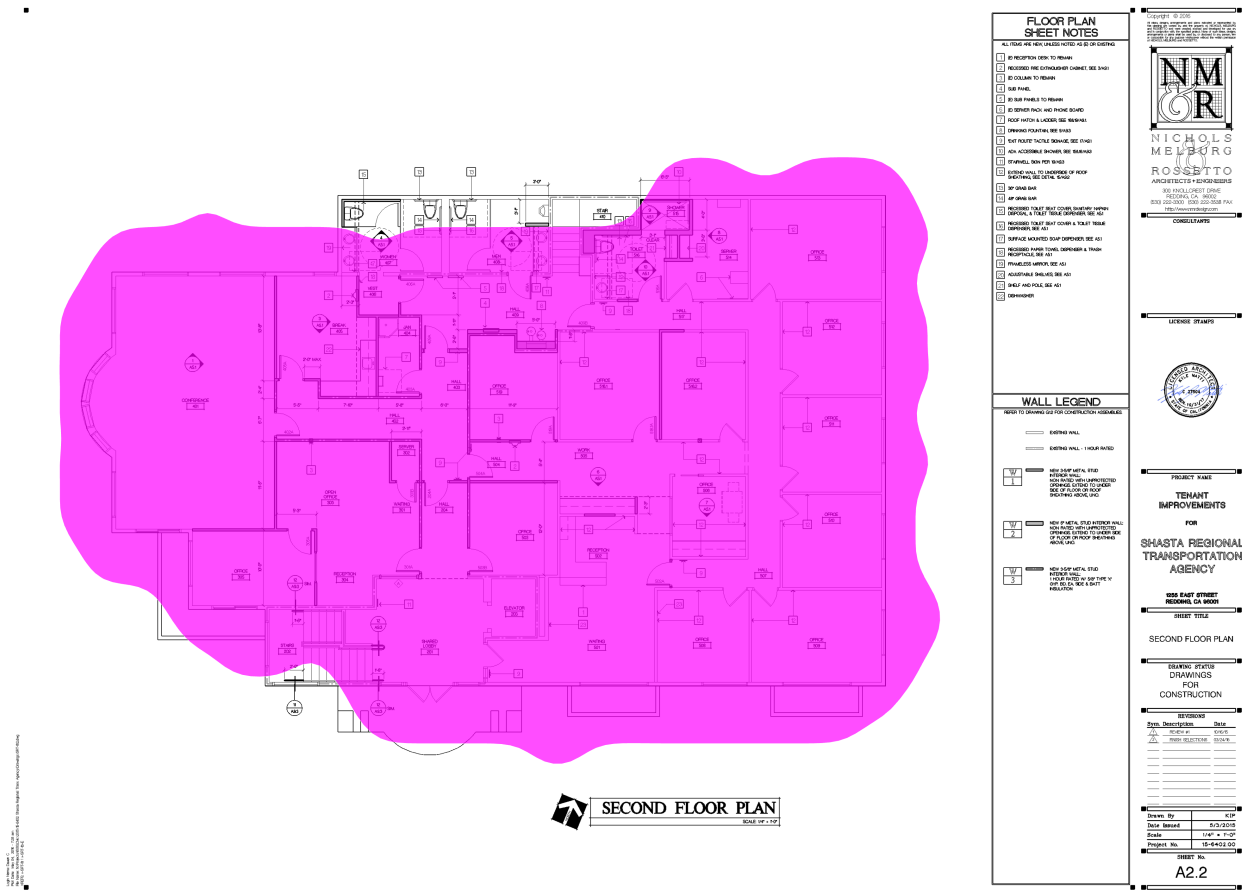
Wi-Fi is typically built for a certain purpose or several purposes, such as VoIP, web browsing, or location tracking. With Network Health, you can, with a single visualization, display whether the network meets your requirements or not.



Wi-Fi Network Report

Network Issues for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 2.4 GHz band

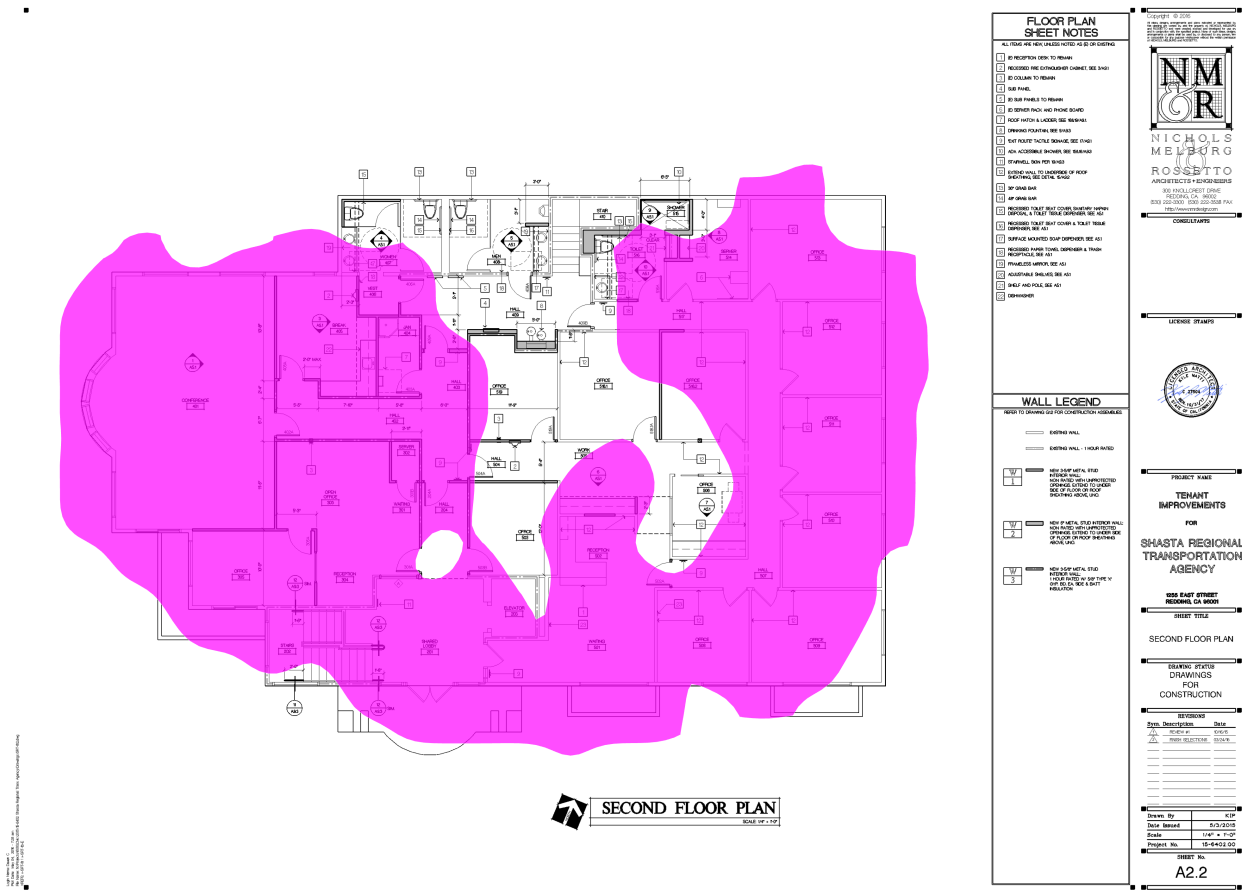
Network Issues complements Network Health by showing the requirement that is below the threshold level at each location. Whereas Network Health answers the question "Does it work?", Network Issues answers the question "If it doesn't work, why?".



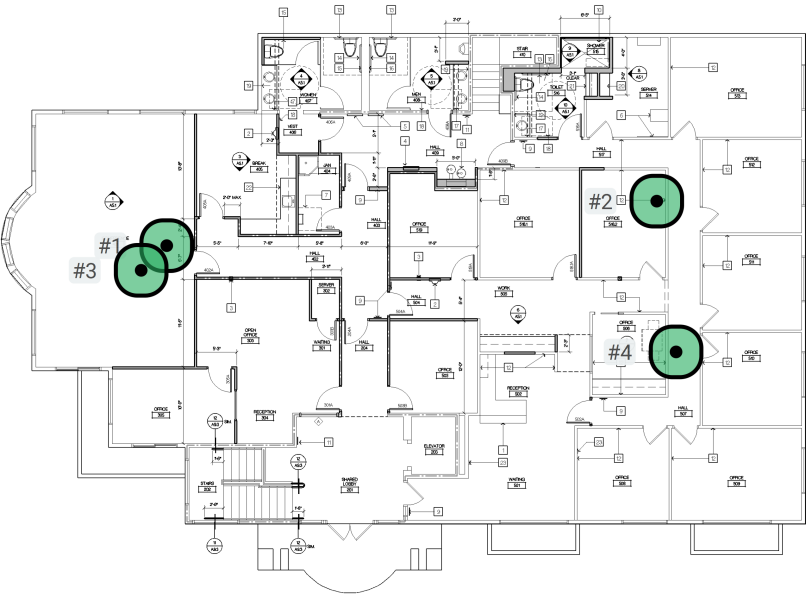
Wi-Fi Network Report

Network Issues for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 5 GHz band

Network Issues complements Network Health by showing the requirement that is below the threshold level at each location. Whereas Network Health answers the question "Does it work?", Network Issues answers the question "If it doesn't work, why?".



Access Points on Second Floor Plan SRTA Building Remodel
DRAWINGS Contract No 2016-01



SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

FLOOR PLAN SHEET NOTES

ALL ITEMS ARE NEW UNLESS NOTED AS EXISTING

- 1. RECEPTION DESK TO REMAIN
- 2. RECEPTION THE COUNTERPART DESK SEE SHEET
- 3. COLUMN TO REMAIN
- 4. USE PANEL
- 5. RECEPTION DESK TO REMAIN
- 6. RECEPTION DESK AND PHONE BOARD
- 7. RECEPTION DESK AND PHONE BOARD
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WALL LEGEND

NEW TO DRAWING OR FOR CONSTRUCTION VISIBLE

- 1. EXISTING WALL
- 2. EXISTING WALL - 1 HOUR RATED
- 3. NEW 1/2" METAL STUD INTERIOR WALL
- 4. NEW 1/2" METAL STUD INTERIOR WALL
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PROJECT NAME

TECHNICAL IMPROVEMENTS

FOR

SHASTA REGIONAL TRANSPORTATION AGENCY

1000 EAST STREET

REDDING, CA 96001

SHEET TITLE

SECOND FLOOR PLAN

DRAWING STATUS

FOR CONSTRUCTION

REVISIONS

Rev.	Description	Date
1	ISSUED FOR CONSTRUCTION	01/15/2016

Drawn By JCP

Date Revisd 01/15/2016

Scale 1/4" = 1'-0"

Project No. 15-0402-00

SHEET No. A2.2

My Access Points on Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01

Simulated Access Points on Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01

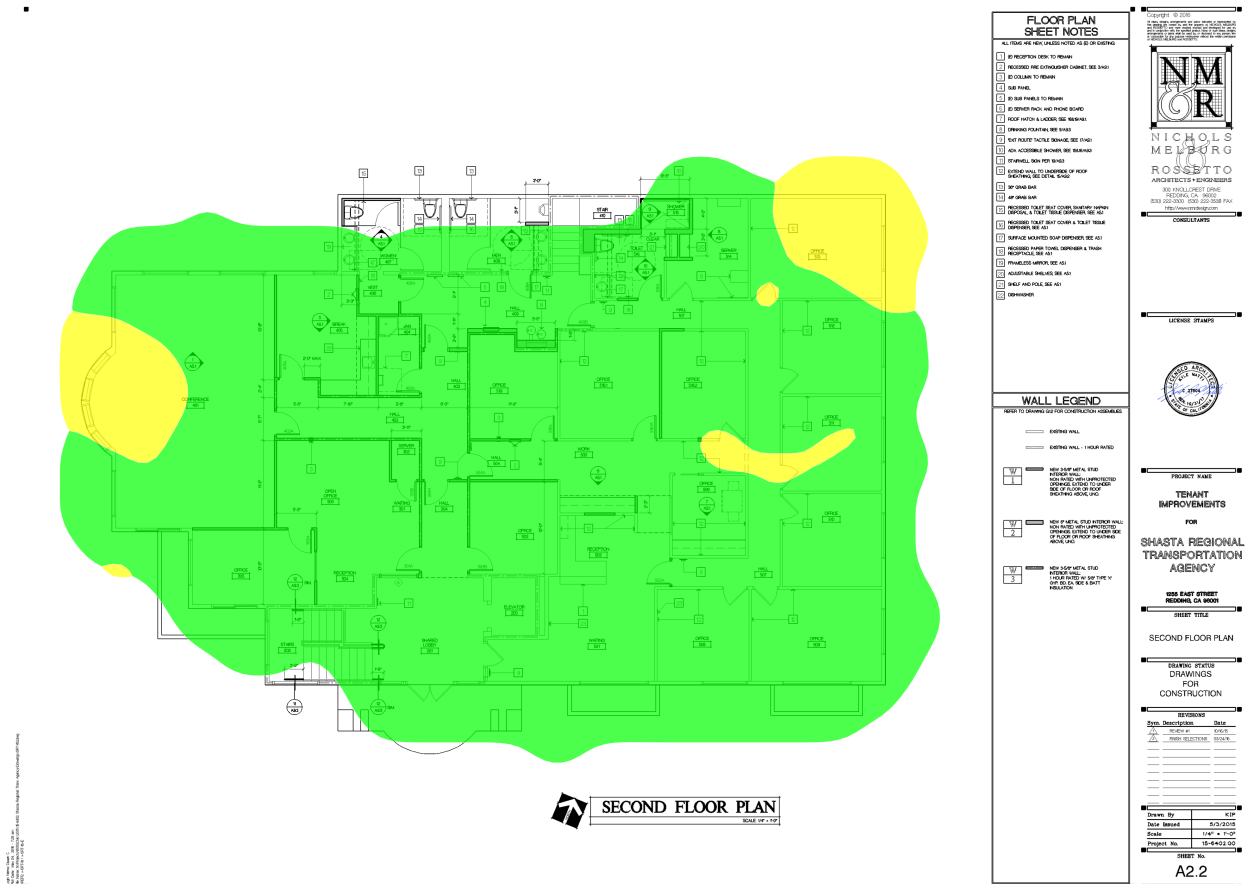
None.

Measured Access Points on Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01

AP #	Access Point			
1	Measured AP-52:d0		Cisco	
	802.11n	1	a0:55:4f:68:52:d8	SRTA
	802.11n	1	a0:55:4f:68:52:d9	SRTA Public
	802.11ac	36@80	a0:55:4f:68:52:d1	SRTA Public
	802.11ac	36@80	a0:55:4f:68:52:d0	SRTA
2	Measured AP-c9:30		Cisco	
	802.11n	6	bc:16:f5:da:c9:38	SRTA
	802.11n	6	bc:16:f5:da:c9:39	SRTA Public
	802.11ac	149@80	bc:16:f5:da:c9:31	SRTA Public
	802.11ac	149@80	bc:16:f5:da:c9:30	SRTA
3	Measured AP-e3:20		Cisco	
	802.11n	11	a0:55:4f:68:e3:28	SRTA
	802.11n	11	a0:55:4f:68:e3:29	SRTA Public
	802.11ac	100@80	a0:55:4f:68:e3:21	SRTA Public
	802.11ac	100@80	a0:55:4f:68:e3:20	SRTA
4	Measured AP-e7:a0		Cisco	
	802.11n	6	a0:55:4f:68:e7:a9	SRTA Public
	802.11n	6	a0:55:4f:68:e7:a8	SRTA
	802.11ac	36@80	a0:55:4f:68:e7:a1	SRTA Public
	802.11ac	36@80	a0:55:4f:68:e7:a0	SRTA

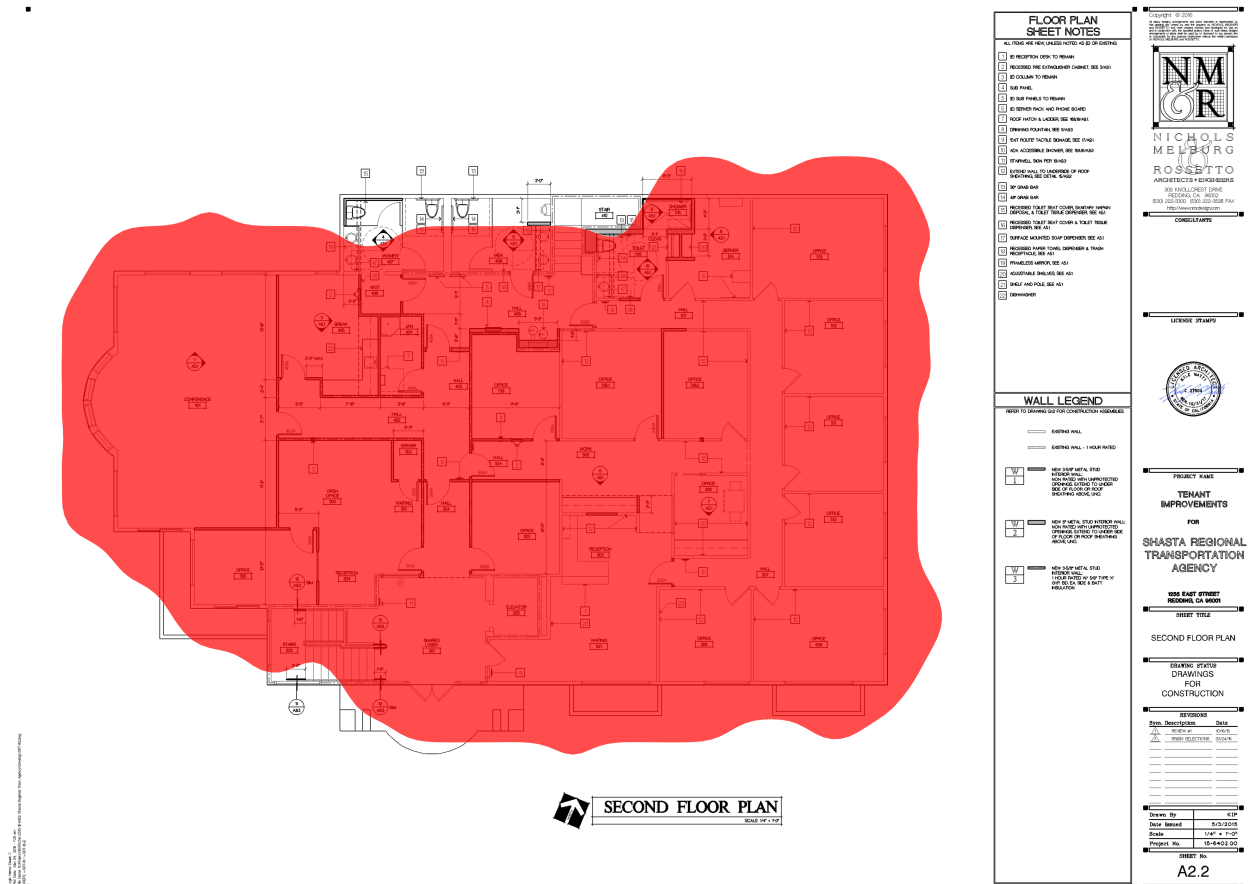
Channel Width for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 2.4 GHz band

Shows the maximum channel width available in each area.



Channel Width for Second Floor Plan SRTA Building Remodel DRAWINGS Contract No 2016-01 on 5 GHz band

Shows the maximum channel width available in each area.



Network capacity configuration

	2.4 GHz	5 GHz
Minimum Data Rate	12 Mbits/s	12 Mbits/s
Band steering	N/A	N/A
Number of SSIDs	2	2
Max. Associated Clients	200	200
RTS / CTS	No	No