

Name: Roma, Italia

Responsible Person: Measurement: Roberto Verdu, 2022-09-29 - Simulation: Philipp Zuderell, 2022-10-10



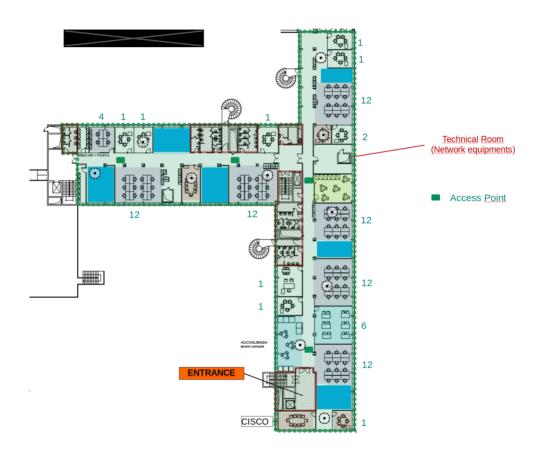
Project description





floor_plan

Survey routes and Access Points for floor_plan



View as / Project Offset:



Coverage Requirement:

Measured



2.4 GHz Signal-to-Noise Ratio Min

Data Rate Min 24 Mbps

Channel Interference Max 2 at min. -85.0 dBm

20.0 dB

Round Trip Time (RTT) Max

Packet Loss Max

Signal Strength Min

-65.0 dBm

5 GHz

Data Rate Min

Round Trip Time (RTT) Max

Packet Loss Max

Signal Strength Min

Secondary Signal Strength Min

Signal-to-Noise Ratio Min

24 Mbps

200 ms

-0.0 %

-62.0 dBm

-70.0 dBm

25.0 dB

Channel Interference Max 1 at min. -85.0 dBm

6 GHz

Capacity Requirement

85 Generic Laptop [Conferencing, Lync/Skype]85 Generic Smartphone [Background Sync]

Total: 170 (393 Mbits/s)

Notes

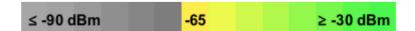




Signal Strength for floor_plan on 2.4 GHz band

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.





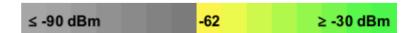




Signal Strength for floor_plan on 5 GHz band

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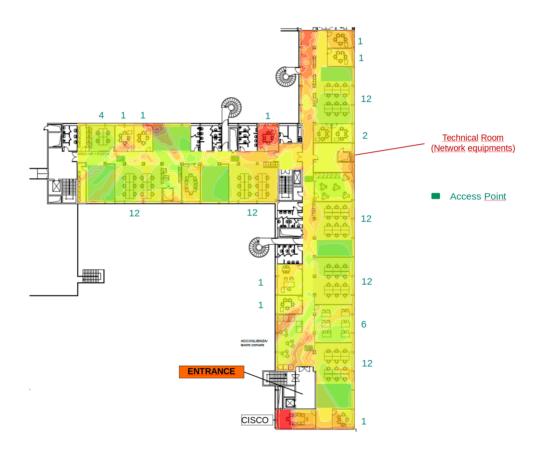


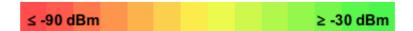




Secondary Signal Strength for floor_plan on 2.4 GHz band

Secondary Signal Strength shows the second strongest RSSI on any given location on the map. This heatmap helps to ensure smooth roaming for clients and quality of service for certain latency-sensitive applications, such as VoIP calls.









Secondary Signal Strength for floor_plan on 5 GHz band

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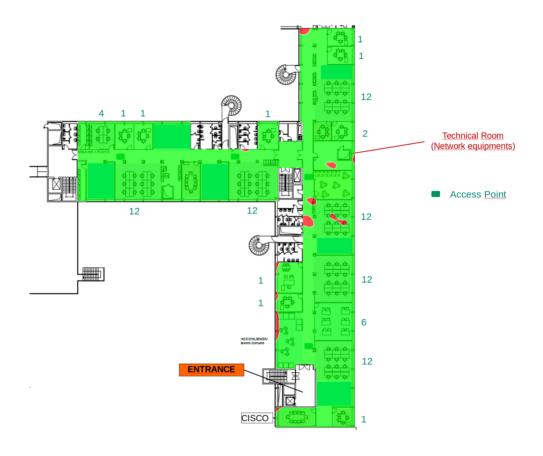






Network Health for floor_plan on 2.4 GHz band

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.

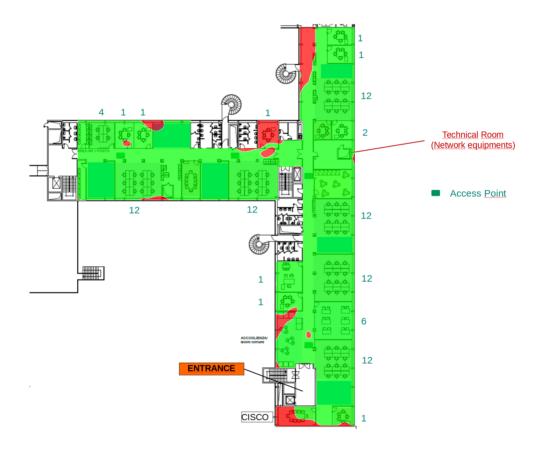






Network Health for floor_plan on 5 GHz band

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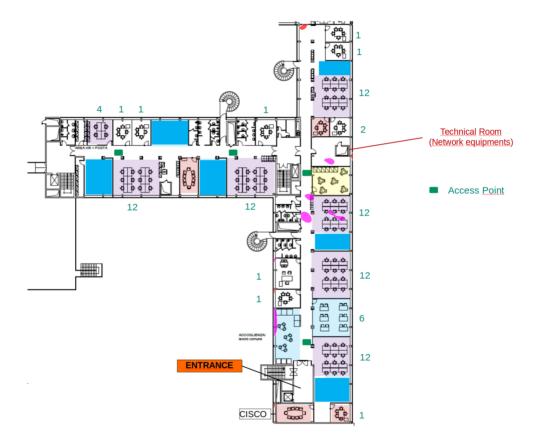






Network Issues for floor_plan on 2.4 GHz band

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?".

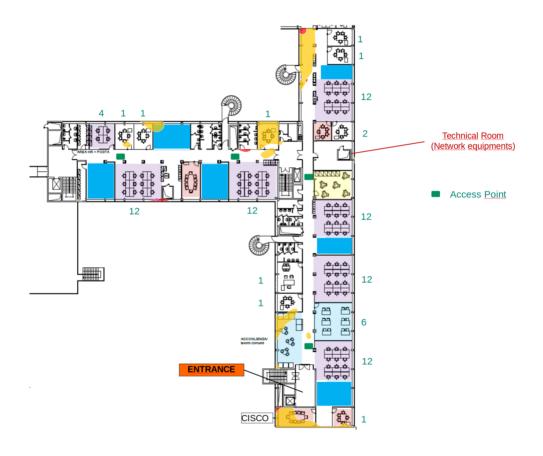






Network Issues for floor_plan on 5 GHz band

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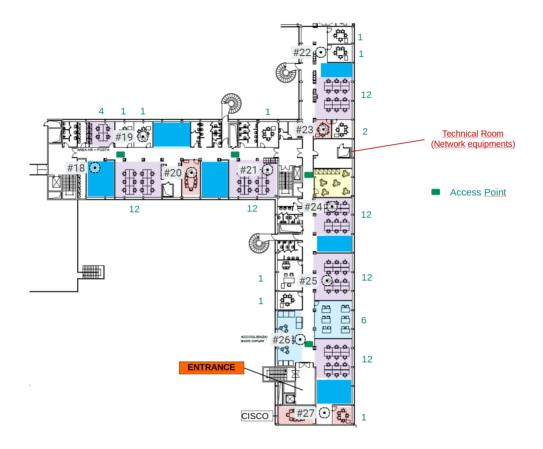






Access Points on floor_plan









My Access Points on floor_plan



Simulated Access Points on floor_plan

AP#	Access Point			
18	AP-ROM-01		Aruba AP-515	
	Wi-Fi 6	11	6 mW	Aruba AP-515 2.4GHz
	Wi-Fi 6	52@40	25 mW	Aruba AP-515 5GHz
	Off	-	-	Aruba AP-515 BLE
19	AP-ROM-02		Aruba AP-515	
	Wi-Fi 6	11	25 mW	Aruba AP-515 2.4GHz
	Wi-Fi 6	44@40	25 mW	Aruba AP-515 5GHz
	Off	-	-	Aruba AP-515 BLE
20	AP-ROM-03		Aruba AP-515	
	Wi-Fi 6	6	6 mW	Aruba AP-515 2.4GHz
	Wi-Fi 6	108@40	25 mW	Aruba AP-515 5GHz
	Off	-	-	Aruba AP-515 BLE
21	AP-ROM-04		Aruba AP-515	
	Wi-Fi 6	1	6 mW	Aruba AP-515 2.4GHz
	Wi-Fi 6	116@40	25 mW	Aruba AP-515 5GHz
	Off	-	-	Aruba AP-515 BLE
22	AP-ROM-05		Aruba AP-515	
	Wi-Fi 6	6	6 mW	Aruba AP-515 2.4GHz
	Wi-Fi 6	124@40	25 mW	Aruba AP-515 5GHz
	Off	-	-	Aruba AP-515 BLE
23	AP-ROM-06		Aruba AP-515	
	Wi-Fi 6	11	6 mW	Aruba AP-515 2.4GHz
	Wi-Fi 6	36@40	25 mW	Aruba AP-515 5GHz
	Off	-	-	Aruba AP-515 BLE
24	AP-ROM-07		Aruba AP-515	
	Wi-Fi 6	1	6 mW	Aruba AP-515 2.4GHz
	Wi-Fi 6	132@40	25 mW	Aruba AP-515 5GHz
	Off	-	-	Aruba AP-515 BLE
25	AP-ROM-08		Aruba AP-515	
	Wi-Fi 6	6	6 mW	Aruba AP-515 2.4GHz
	Wi-Fi 6	100@40	25 mW	Aruba AP-515 5GHz
	Off	-	-	Aruba AP-515 BLE
26	AP-ROM-09		Aruba AP-515	
	Wi-Fi 6	1	6 mW	Aruba AP-515 2.4GHz



Worldline Office IT.ROM Simulation Report

	Wi-Fi 6	44@40	25 mW	Aruba AP-515 5GHz
	Off	-	-	Aruba AP-515 BLE
27	AP-ROM-10		Aruba AP-515	

 Wi-Fi 6
 11
 6 mW
 Aruba AP-515 2.4GHz

 Wi-Fi 6
 60@40
 25 mW
 Aruba AP-515 5GHz

 Off
 Aruba AP-515 BLE

Measured Access Points on floor_plan

None.

