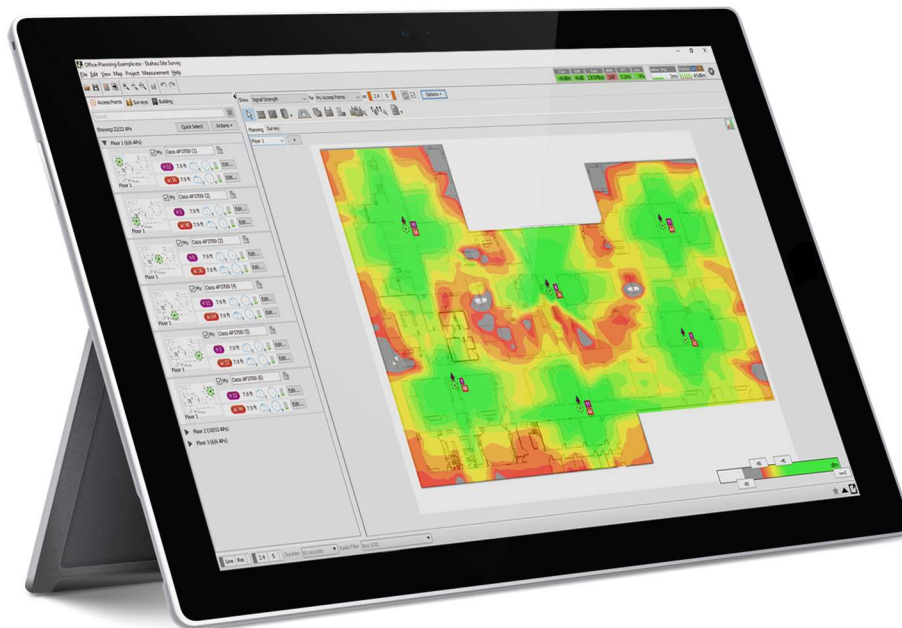


# Wi-Fi Network Report





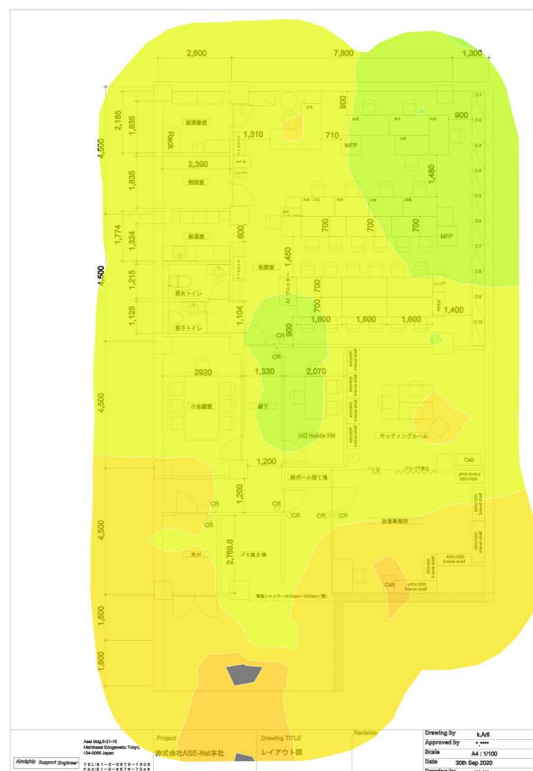
## Wi-Fi Network Report

	Signal-to-Noise Ratio Min	<b>25.0 dB</b>
	Data Rate Min	<b>24 Mbps</b>
	Channel Interference Max	<b>1 at min. -85.0 dBm</b>
	Round Trip Time (RTT) Max	<b>200 ms</b>
	Packet Loss Max	<b>0.0 %</b>

<b>View as / Project Offset</b>	Measured
---------------------------------	----------

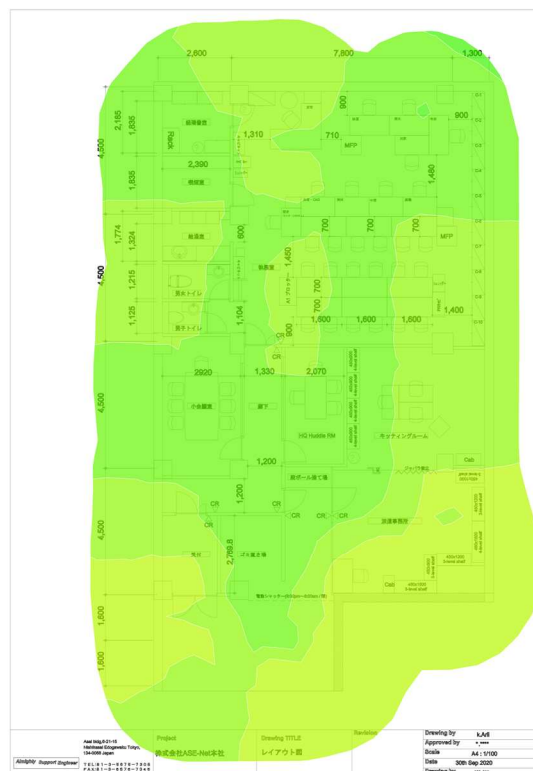
## Signal Strength for sample\_layout on 2.4 GHz band

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 sample\_layout 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.







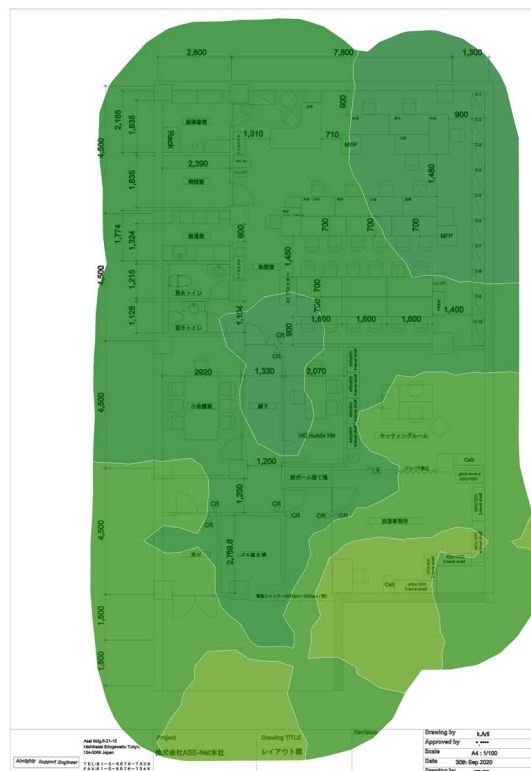






## Signal To Noise Ratio (SNR) for sample\_layout on 2.4 GHz band

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 sample\_layout 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.





## Channel Interference for sample\_layout on 5 GHz band

Channel interference indicates the number of access points overlapping at each location in a single channel.



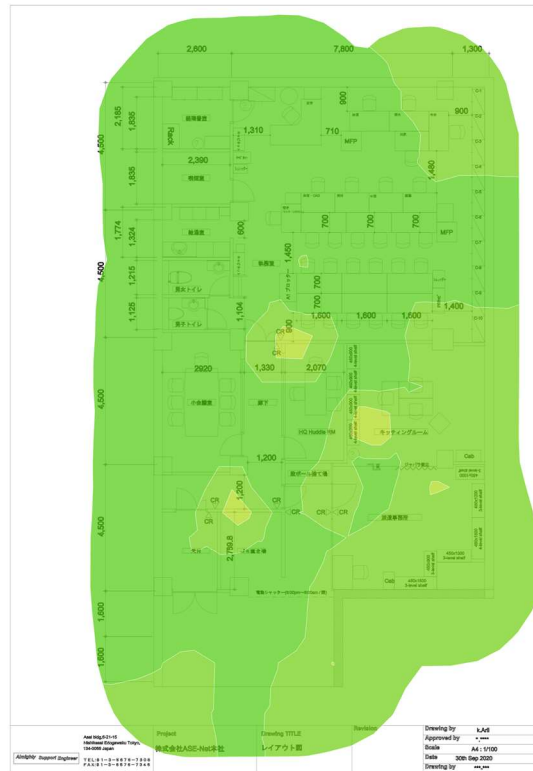




## Wi-Fi Network Report

### Noise for sample\_layout on 2.4 GHz band

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





## Wi-Fi Network Report

### Noise for sample\_layout on 5 GHz band

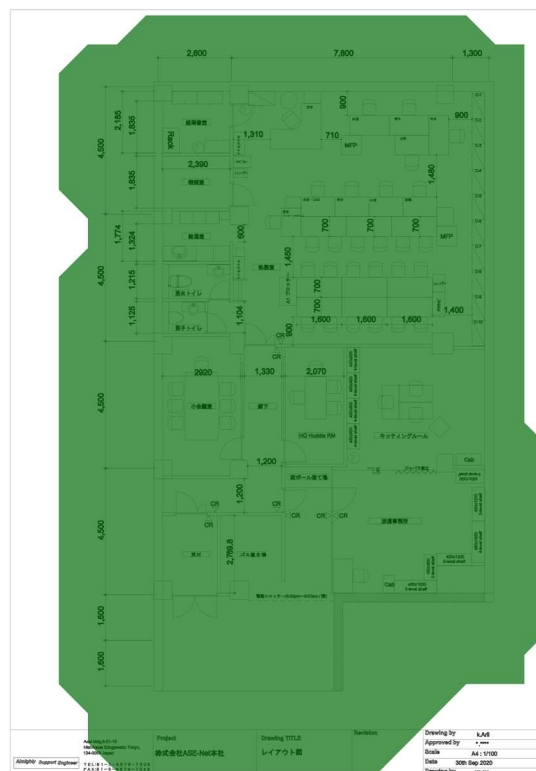
Displays the noise level in the network as measured by the network adapter.



## Wi-Fi Network Report

### Data Rate for sample\_layout 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.

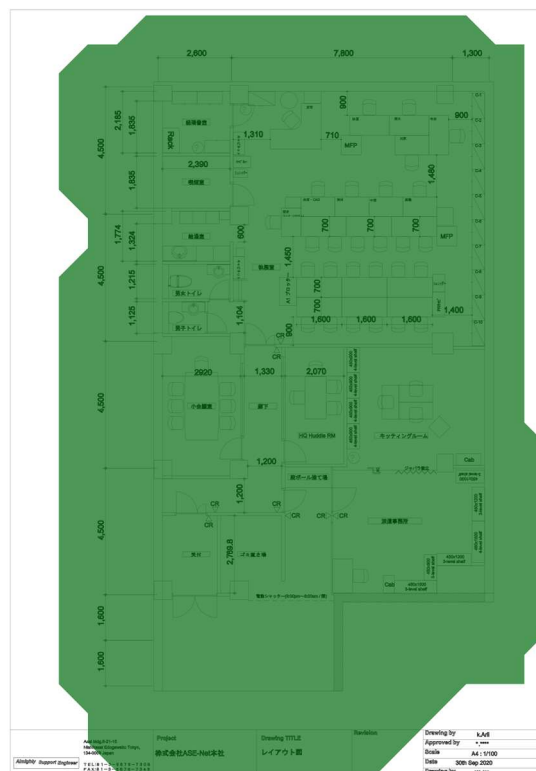


1 Mb/s

150 Mb/s

## Data Rate for sample\_layout 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.



1 Mb/s

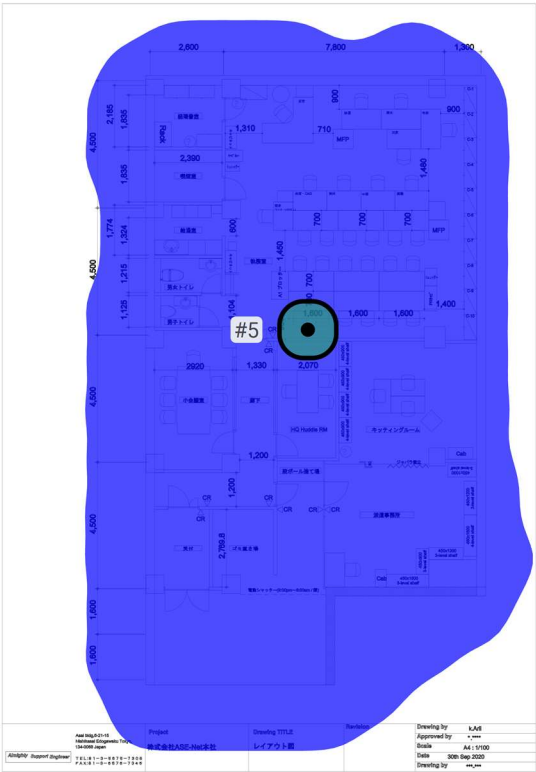
900 Mb/s





Associated Access Point for sample\_layout

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



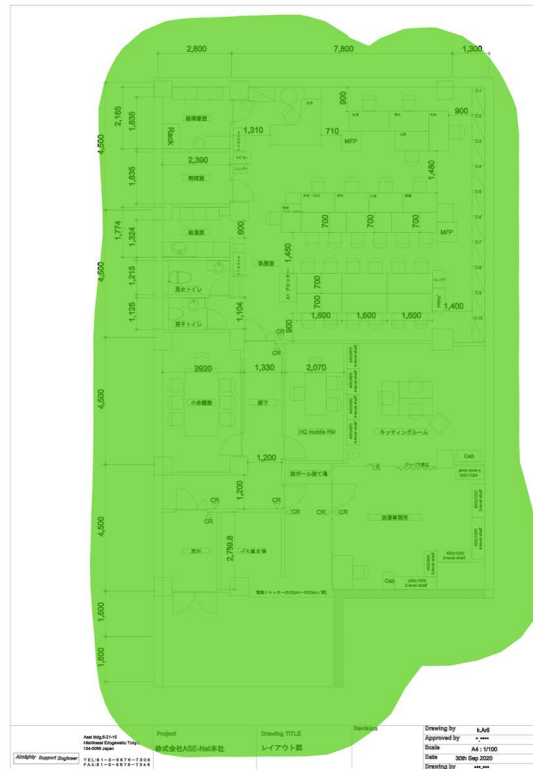
AP #	Access Point			
5	Measured AP-8f:70		Aruba	
	802.11n	11	c8:b5:ad:79:8f:61	guest
	802.11n	11	c8:b5:ad:79:8f:60	aruba-01
	● 802.11ac	116@80	c8:b5:ad:79:8f:71	guest
	● 802.11ac	116@80	c8:b5:ad:79:8f:70	aruba-01



## Wi-Fi Network Report

### Packet Loss for sample\_layout

Displays how many replies did not arrive to a sent packet.

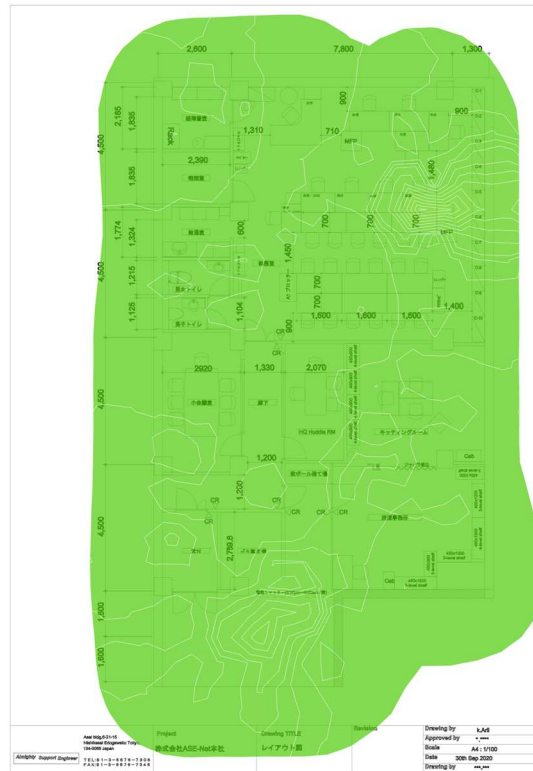




# Wi-Fi Network Report

### Round-Trip Time for sample\_layout

Displays the average duration for a reply to a sent packet.



## Channel Utilization for sample\_layout on 2.4 GHz band

Channel utilization shows the share of time the spectrum power measured by spectrum analyzer high enough so that the channel can be considered as occupied.

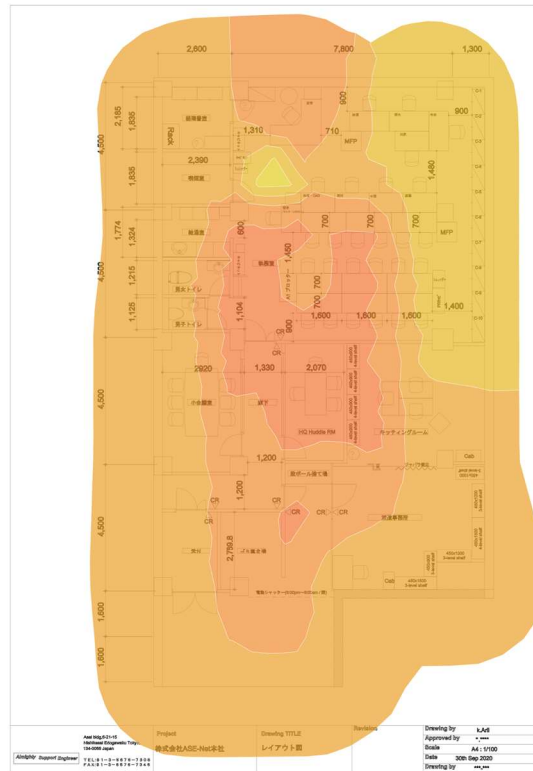


## Channel Utilization for sample\_layout on 5 GHz band

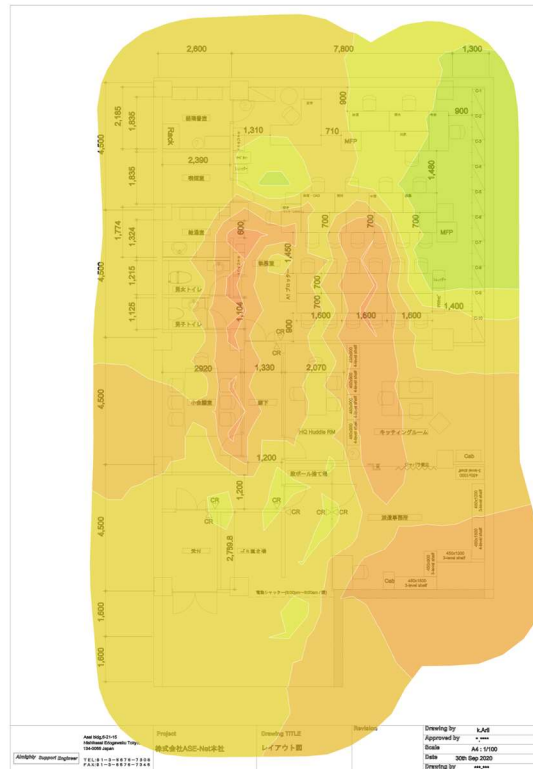
Channel utilization shows the share of time the spectrum power measured by spectrum analyzer high enough so that the channel can be considered as occupied.



### Spectrum Channel Power for sample\_layout on 2.4 GHz band



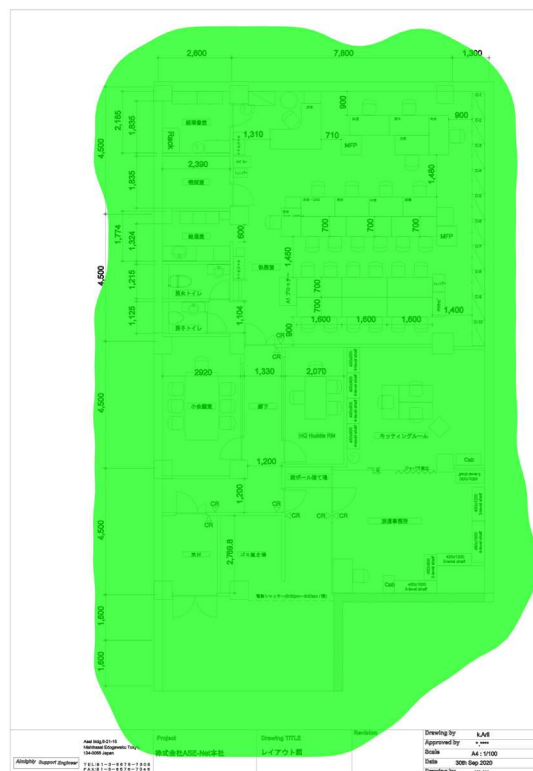
Spectrum Channel Power for sample\_layout on 5 GHz band



## Wi-Fi Network Report

### Network Health for sample\_layout 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.



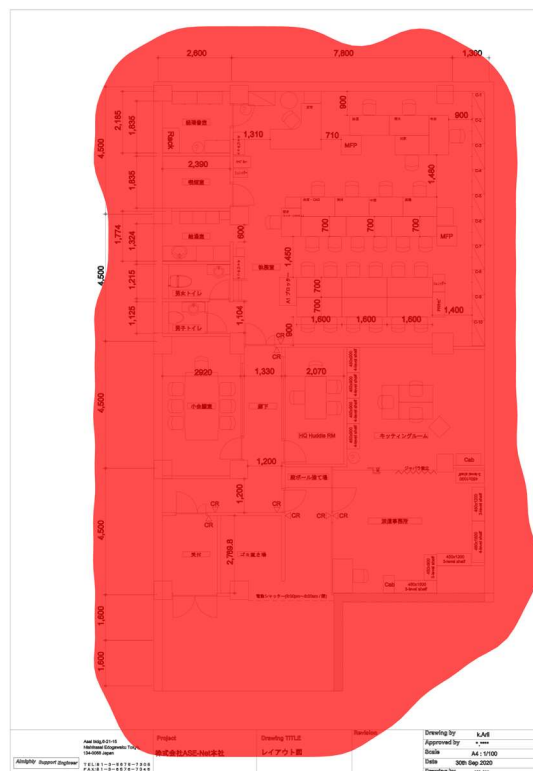
Fail

Pass

## Wi-Fi Network Report

### Network Health for sample\_layout on 5 GHz band

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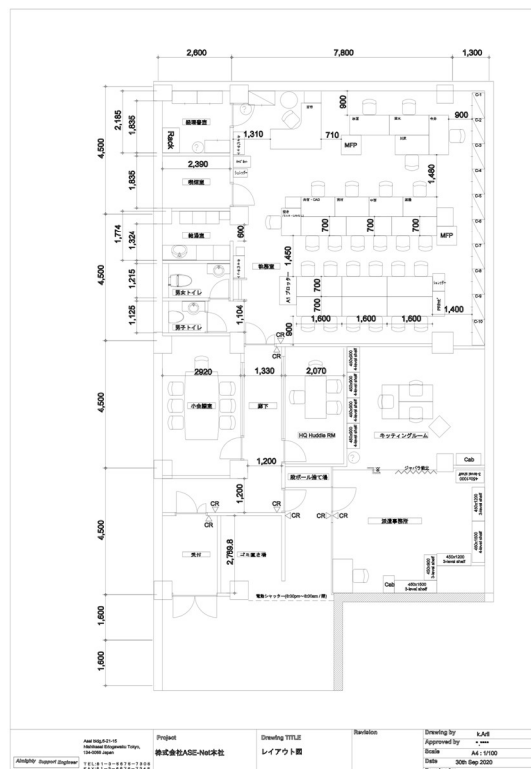


Fail

Pass

## Network Issues for sample\_layout 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?".

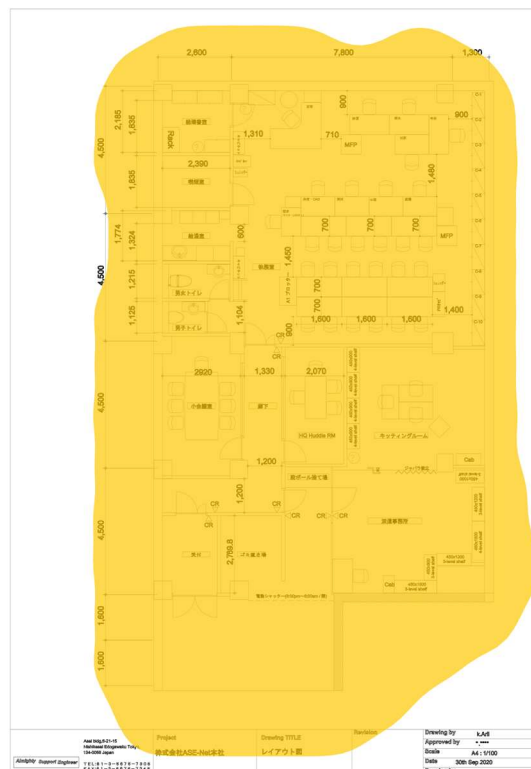


S.Str



## Network Issues for sample\_layout on 5 GHz band

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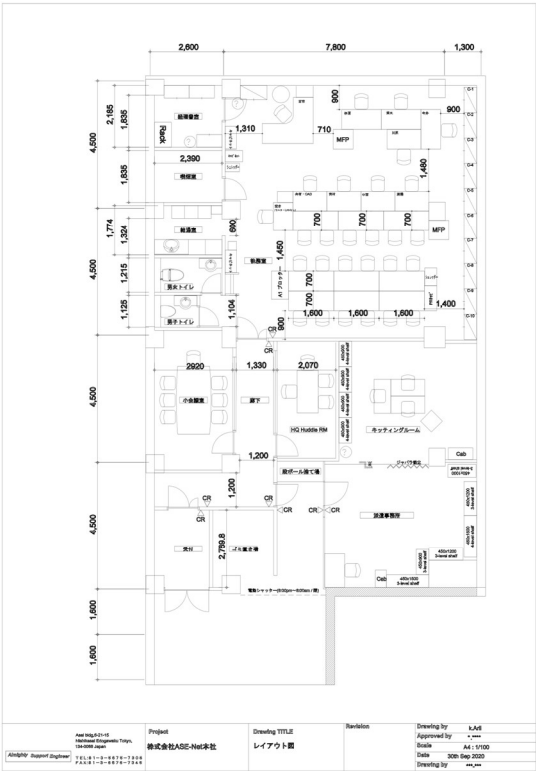


S.Str

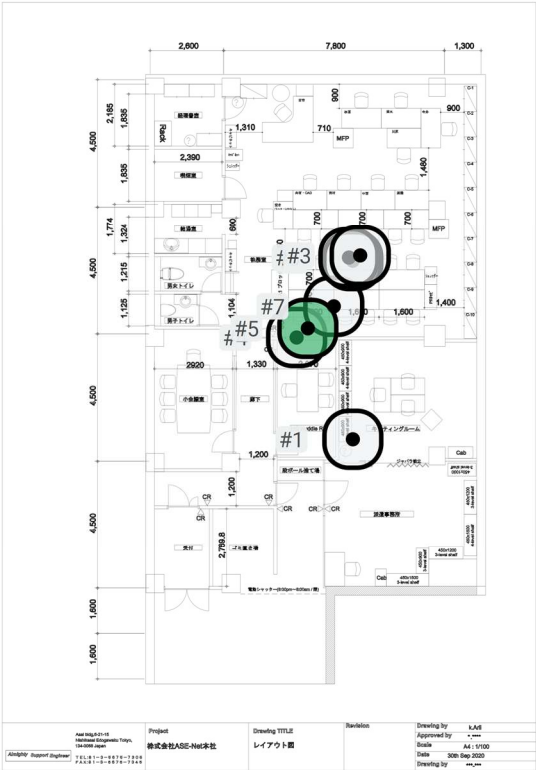
S.Str2

Bluetooth Coverage for sample\_layout

Bluetooth coverage shows how many Bluetooth radios are audible at each location.



Access Points on sample\_layout



## My Access Points on sample\_layout

### Simulated Access Points on sample\_layout

None.

### Measured Access Points on sample\_layout

AP #	Access Point			
5	Measured AP-8f:70		Aruba	
	802.11n	11	c8:b5:ad:79:8f:61	guest
	802.11n	11	c8:b5:ad:79:8f:60	aruba-01
	802.11ac	116@80	c8:b5:ad:79:8f:71	guest
	802.11ac	116@80	c8:b5:ad:79:8f:70	aruba-01

## Other Access Points on sample\_layout

### Simulated Access Points on sample\_layout

None.

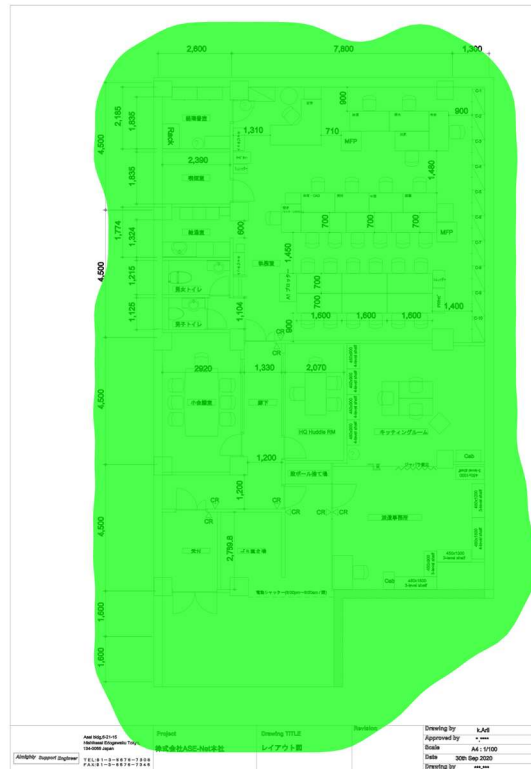
### Measured Access Points on sample\_layout

AP #	Access Point			
1	Measured AP-1b:85		HUMAX	
	802.11n	6	38:f8:5e:1d:1b:8d	HUMAX-D1B80
	802.11ac	52@80	38:f8:5e:1d:1b:85	HUMAX-D1B80-A
2	Measured AP-35:7c			
	802.11ac	36	0e:61:27:24:35:7c	AP-21F41C
3	Measured AP-35:7c		Actiontec	
	802.11ac	36	0c:61:27:24:35:7c	DIRECT-xy24357C
4	Measured AP-56:92		Elecom	
	802.11n	9	04:ab:18:5b:56:91	elecom-5b568f
	802.11ac	36@80	04:ab:18:5b:56:92	elecom-5b568f
6	Measured AP-96:6d		Cisco Meraki	
	802.11n	1	e0:cb:bc:8d:96:6d	Head office WiFi ASE-guest(M)
	802.11n	1	e6:cb:bc:8d:96:6d	
	802.11g	1	de:cb:bc:8d:96:6d	
	802.11n	1	de:cb:bc:8d:96:6d	
	802.11ac	108@80	de:cb:ac:8d:96:6d	Head office WiFi ASE-guest(M)
	802.11ac	108@80	e2:cb:ac:8d:96:6d	
	802.11ac	108@80	e6:cb:ac:8d:96:6d	
7	Measured AP-f4:1c		Actiontec	
	802.11ac	36	0c:61:27:21:f4:1c	DIRECT-xy21F41C

## Wi-Fi Network Report

### Channel Width for sample\_layout on 2.4 GHz band

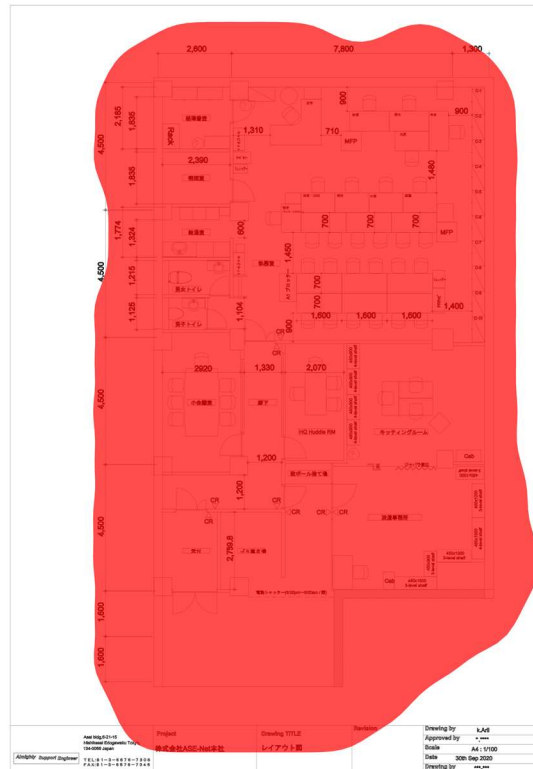
Shows the maximum channel width available in each area.



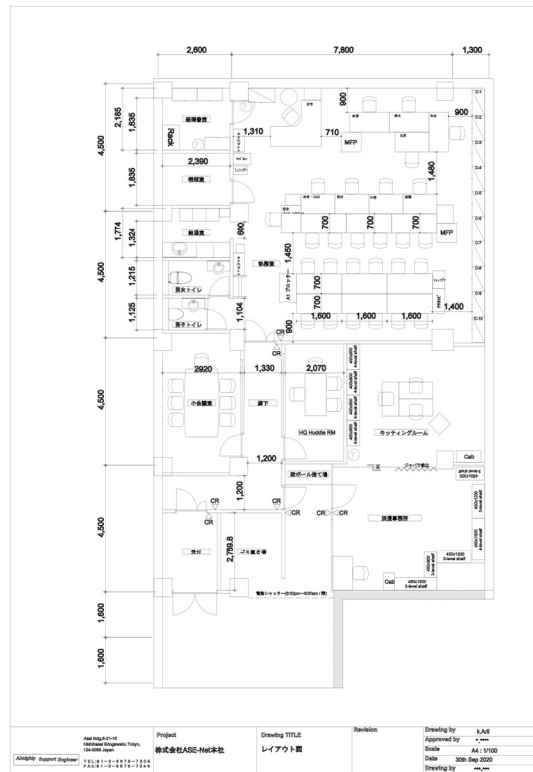
## Wi-Fi Network Report

### Channel Width for sample\_layout on 5 GHz band

Shows the maximum channel width available in each area.



## Bluetooth Devices on sample\_layout





## **My Bluetooth Devices on sample\_layout**

### **Simulated Bluetooth Devices on sample\_layout**

None.

## **Other Bluetooth Devices on sample\_layout**

### **Simulated Bluetooth Devices on sample\_layout**

None.

## Measured Access Points not placed on any map

### My Access Points not placed on any map

None.

### Other Access Points not placed on any map

AP #	Access Point			
8	Measured AP-0c:ff			
	802.11n	11	12:66:82:fa:0c:ff	pr500k-05c00b-2
9	Measured AP-0c:ff		NEC Platforms	
	802.11n	11	10:66:82:fa:0c:ff	pr500k-05c00b-1
10	Measured AP-12:a2		ZTE	
	802.11n	1@40	6c:d2:ba:1a:12:a2	F660A-FDAy-G
11	Measured AP-18:54		HUMAX	
	802.11n	1	94:09:37:ef:18:54	HUMAX-F1847
12	Measured AP-28:2b			
	802.11n	2	6a:37:e9:55:28:2b	
13	Measured AP-2b:98		Buffalo	
	802.11n	1	50:c4:dd:06:2b:98	Buffalo-G-2B98
14	Measured AP-31:8e		NEC Platforms	
	802.11n	11	a4:12:42:45:31:8e	pr500m-c88691-1
15	Measured AP-31:8e			
	802.11n	11	a6:12:42:45:31:8e	pr500m-c88691-2
16	Measured AP-50:72		HUMAX	
	802.11n	1	90:f3:05:71:50:72	HUMAX-15065
17	Measured AP-51:b7			
	802.11g	6	6e:e4:da:f5:51:b7	SPWN_N35_ce5e80_2
18	Measured AP-51:b7		NEC Platforms	
	802.11n	6	6c:e4:da:f5:51:b7	wx03-cb25d3
19	Measured AP-5f:55		Covia	
	802.11n	11	00:24:6b:61:5f:55	ssw-pc-615f51

## Wi-Fi Network Report

	802.11g	11	00:24:6b:61:5f:53	ssw-wep-615f51
	802.11a	44	00:24:6b:61:5f:52	5Gssw-wep-615f51
	802.11ac	44@80	00:24:6b:61:5f:54	5Gssw-pc-615f51
20	Measured AP-6b:3d		HUMAX	
	802.11n	1	94:09:37:ae:6b:3d	HUMAX-E6B30
21	Measured AP-75:23		HUMAX	
	802.11n	1	90:f3:05:ed:75:23	HUMAX-D7516
22	Measured AP-75:96		Huawei	
	802.11n	10@40	44:c3:46:63:75:96	W04_44C346637596
23	Measured AP-76:ba		NEC Platforms	
	802.11n	6	6c:e4:da:69:76:ba	aterm-cb3853-g
24	Measured AP-86:93		Mitsubishi Electric	
	802.11ac	36@80	10:4b:46:c8:86:93	pr500m-c88691-3
25	Measured AP-91:96		Huawei	
	802.11n	12	a4:71:74:e7:91:96	W03_A47174E79196
26	Measured AP-93:c9		Castlenet	
	802.11n	1	fc:4a:e9:20:93:c9	BCW710J-47046-G
27	Measured AP-9c:28		HUMAX	
	802.11ac	112@40	94:09:37:5f:9c:28	HUMAX-F9C23-A
28	Measured AP-9c:30		HUMAX	
	802.11n	6	94:09:37:5f:9c:30	HUMAX-F9C23
29	Measured AP-a9:8a		Pegatron	
	802.11n	11	20:25:64:ca:a9:8a	CISCO-6d3b8-24g
30	Measured AP-b1:f0		Castlenet	
	802.11n	6	fc:4a:e9:2b:b1:f0	BCW710J-62A54-G
31	Measured AP-c0:52		HUMAX	
	802.11n	1	cc:4e:ec:ab:c0:52	HUMAX-BC045
32	Measured AP-c7:43		Huawei	
	802.11n	3@40	88:f5:6e:95:c7:43	SPWN_H37_95C743
33	Measured AP-f1:21		Apple	

## Wi-Fi Network Report

	802.11n	11	10:9a:dd:87:f1:21	
34	Measured AP-fc:40		NEC Platforms	
	802.11n	11	a4:12:42:86:fc:40	pr500m-c9f07d-1
35	Measured AP-fc:40			
	802.11n	11	a6:12:42:86:fc:40	pr500m-c9f07d-2

## Network capacity configuration

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