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Wireless LAN solution

◇ Survey before installation of access point using handheld spectrum analyzer (wireless LAN)

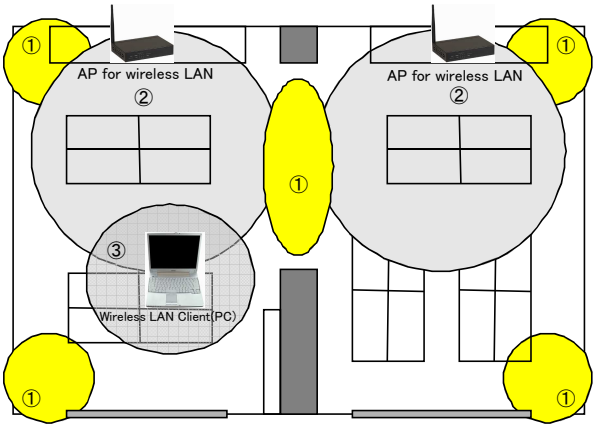
[～*Application*～]

When the access point is installed, the radio wave condition of wireless LAN is observed by using an attached software. However, the influence of devices such as Bluetooth, microwave oven and cordless phone, that cause the interference, cannot be observed by this tool.

Then, both radio wave conditions of wireless LAN and another device can be measured by using a spectrum analyzer, so that the access point can be installed at an appropriate place and channel.

Though our spectrum analyzer is very low in price, it enables the wide band measurement of the radio wave condition because of covering the frequency range from 50KHz to 8.5GHz including 2.4GHz band and 5GHz band of wireless LAN.
Moreover, this spectrum analyzer is very effective for the check of the access point condition in / outdoors, or for the troubleshooting after installation. Because it is compact, light weight, and also poisible battery operation.

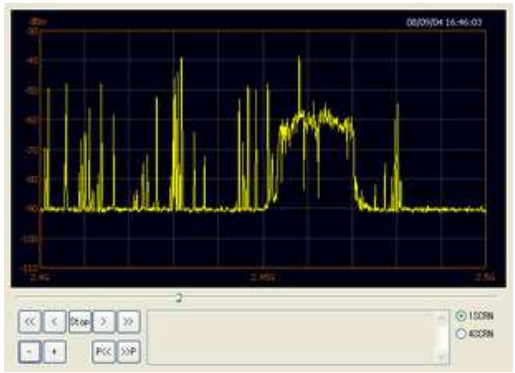
[～*Solution*～]

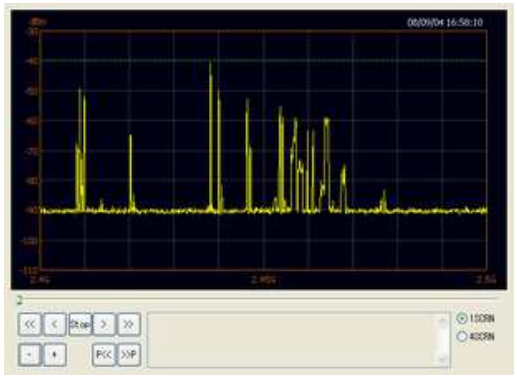


① Insensitive zone of RF wave
② Receivable zone of AP wave
③ Receivable zone of PC wave

Handheld spectrum analyzer
MSA400 series

■ The radio wave condition in the floor is measured before and after installing and in case of communication trouble.





(Both screens show the communication of 2.4GHz wireless LAN)

■ The logging software enables to record the data ander uninhabited condition for a long time.
This is optimum for watching an abnormal signal at night and recording the data under uninhabited condition for a long time.

[～*System constitution*～]

・Corresponding to 802.11a/b/g/j/n (2.4 & 5GHz)

Spectrum analyzer	MSA458
Battery	MB400
PC software	MAS400
Logging software	MAS410
2.4GHz band antenna	M404
5GHz band antenna	M406

・Corresponding to 802.11b/g/n (2.4GHz)

Spectrum analyzer	MSA438
Battery	MB400
PC software	MAS400
Logging software	MAS410
2.4GHz band antenna	M404

・Corresponding to 802.11a/b/g/j/n
(inexpensive system 2.4GHz)

Spectrum analyzer	MSA338
Battery	MB300
PC software	MAS300
2.4GHz band antenna	M304

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