

Evaluation of cellular phone

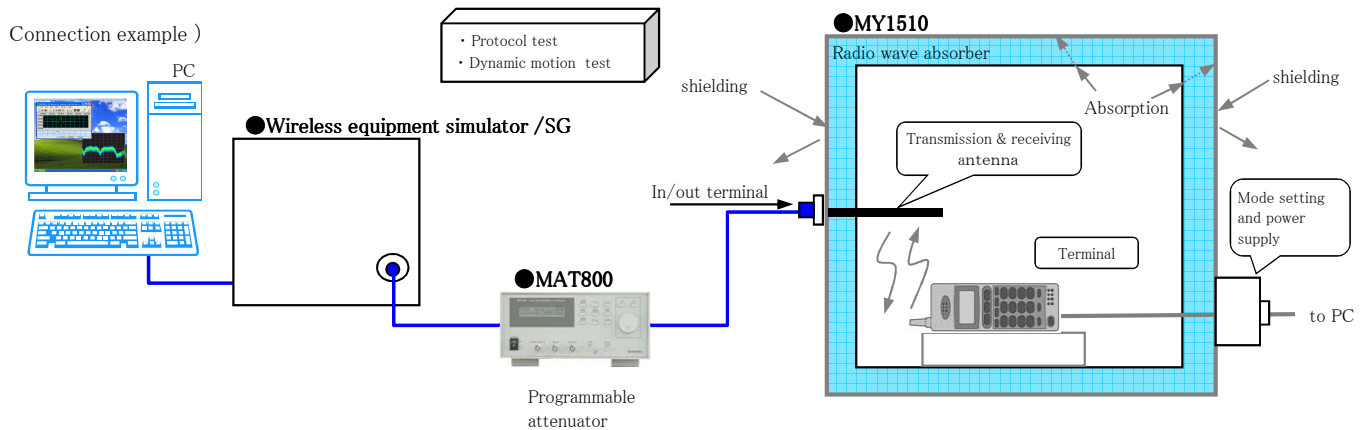
◇ Wireless system evaluation of cellular phone

[~*Application*~]

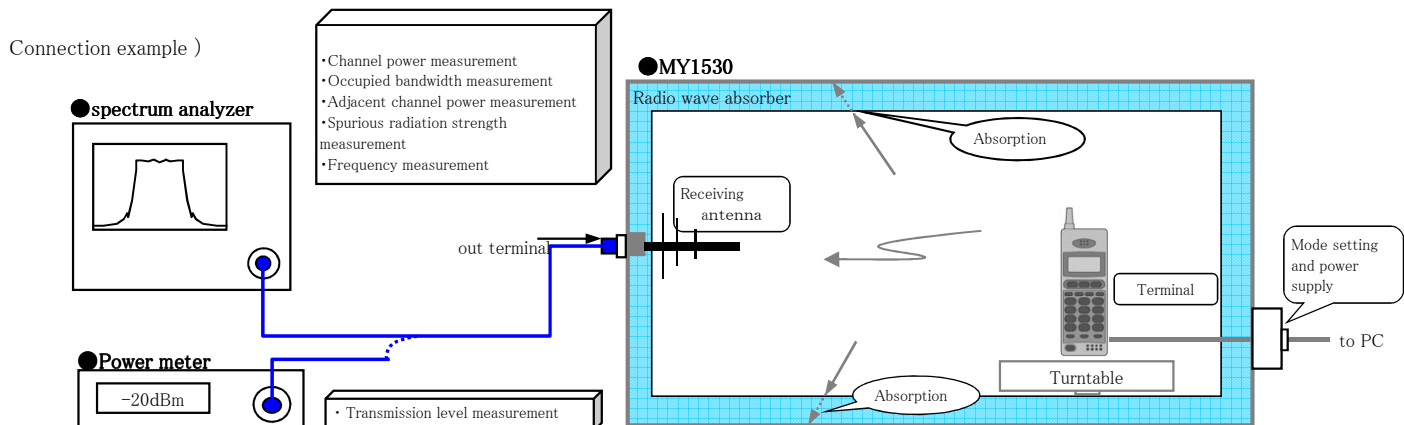
The unnecessary radio wave should be suppressed in the laboratory and factory.
The wireless system evaluation of cellular phone is possible in such environment.

[~*Solution*~]

- ① ■ Protocol test by air connection (Layer 1 to 3)
 - Setting up the system that the bidirectional communication is done, through the transmission & receiving antenna between the wireless equipment simulator and the terminal put in anechoic box.
 - Each protocol test from layer 1 to layer 3 is executed by using the wireless equipment simulator.



- ② ■ Transmission characteristics test of wireless equipment by air connection
 - The radio wave transmitted from the terminal put on the turntable is output outside of the anechoic, and box after received with the receiving antenna installed at the opposite side of the terminal.
 - The evaluation of each test of the transmission characteristics of the wireless equipment is performed with a spectrum analyzer and a power meter connected with the in / out terminal.



[~*System constitution*~]

① Small size for space saving

Anechoic box	MY1510
I/F module for anechoic for anechoic box	IFM1
Dipole antenna (0.8 to 1GHz)	M301
Dipole antenna (1.7 to 2.2GHz)	M303

② Large size for antenna test

Anechoic box	MY1530
I/F module for anechoic for anechoic box	IFM1
I/F module for anechoic for anechoic box	IFM4
Turntable	MT103
Dipole antenna (0.8 to 1GHz)	M301
Dipole antenna (1.7 to 2.2GHz)	M303