

Simple measurement for technical standards conformity certification test

◇Characteristics test of a wireless communication equipment (transmission edition)

Application

It is possible to achieve in a simple way the transmission characteristic test for attestation or approval acquisition of each country, such as technical standards conformity certification.

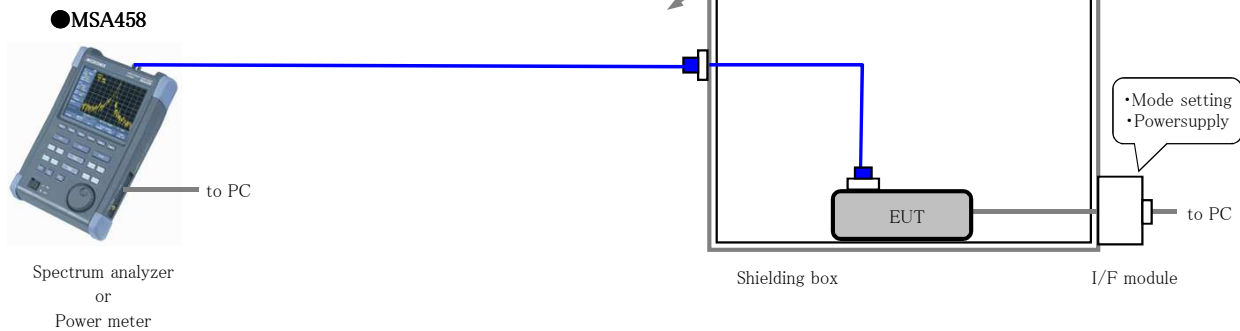
Solution

① How to test equipment with antenna connector

By connecting spectrum analyzer or power meter to the antenna terminal of the EUT, each item in the transmission characteristics tests can be evaluated. By using a shield box at this time, it is possible to prevent from the influence of external radio wave on the EUT.

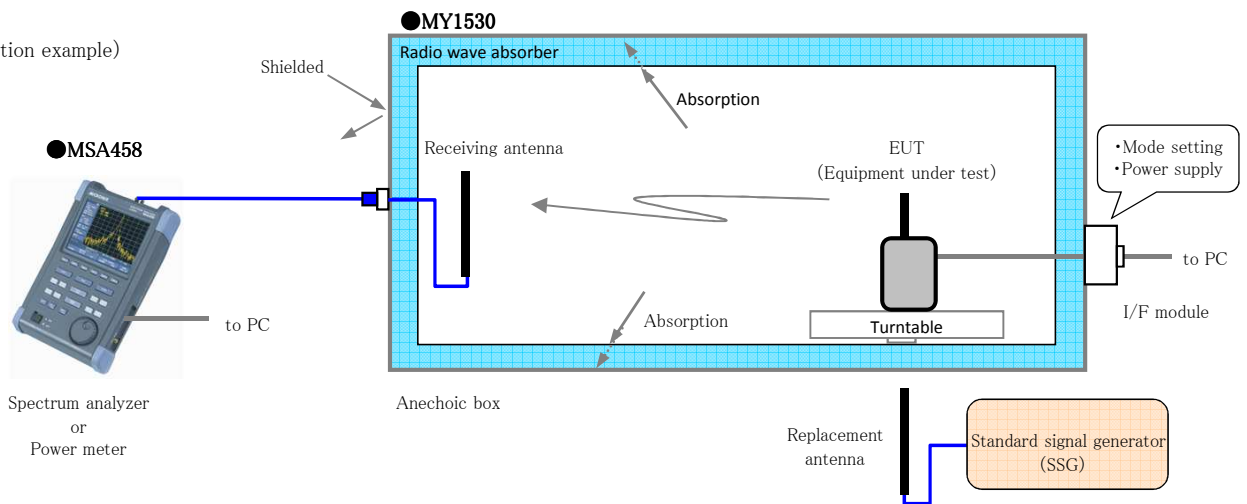
- 1) Frequency deviation
- 2) Occupied bandwidth
- 3) Spurious radiation strength
- 4) Transmission power
- 5) Adjacent channel leakage power
- 6) Carrier off leakage power

Connection example)



② How to test equipment with built-in antenna

Connection example)



System configuration

Configuration example of ①

1. Spectrum analyzer / MSA458
 2. Shielding box+I/F module / MY1520N+IFM1
- ※ Other: cable, adapter and etc.

Configuration example of ②

1. Spectrum analyzer / MSA458
 2. Anechoic box+I/F module / MY1530+IFM1
 3. Turntable for MY1530 / MT103
- ※ Other: cable, adapter and etc.