

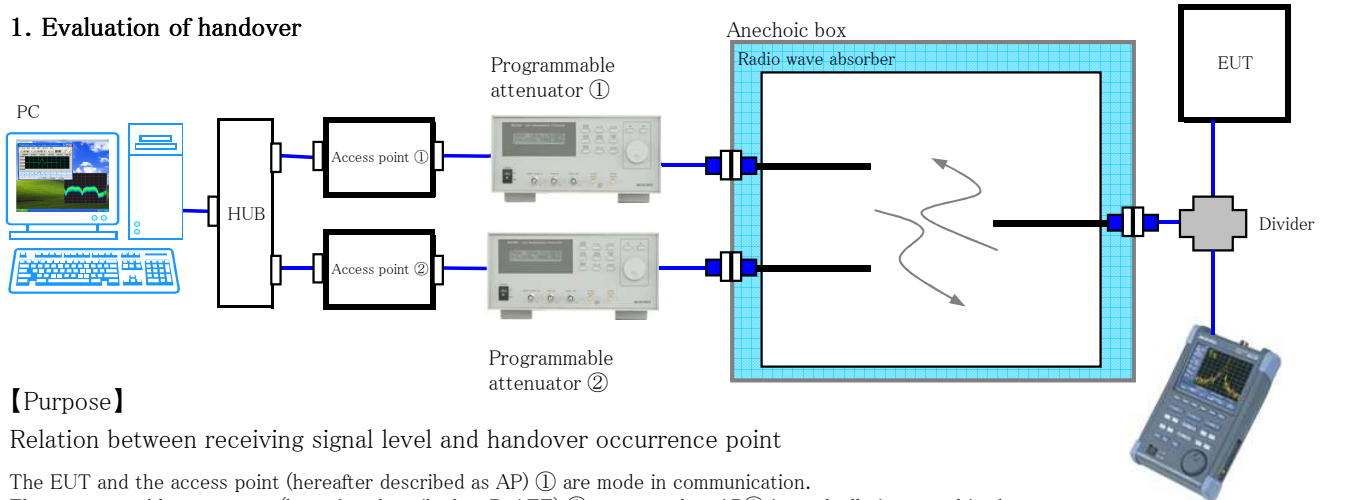
Evaluation of wireless LAN

[~*Application*~]

The various evaluations of the wireless LAN (2.4GHz and 5GHz band) products are performed by this system.

[~*Solution*~]

1. Evaluation of handover



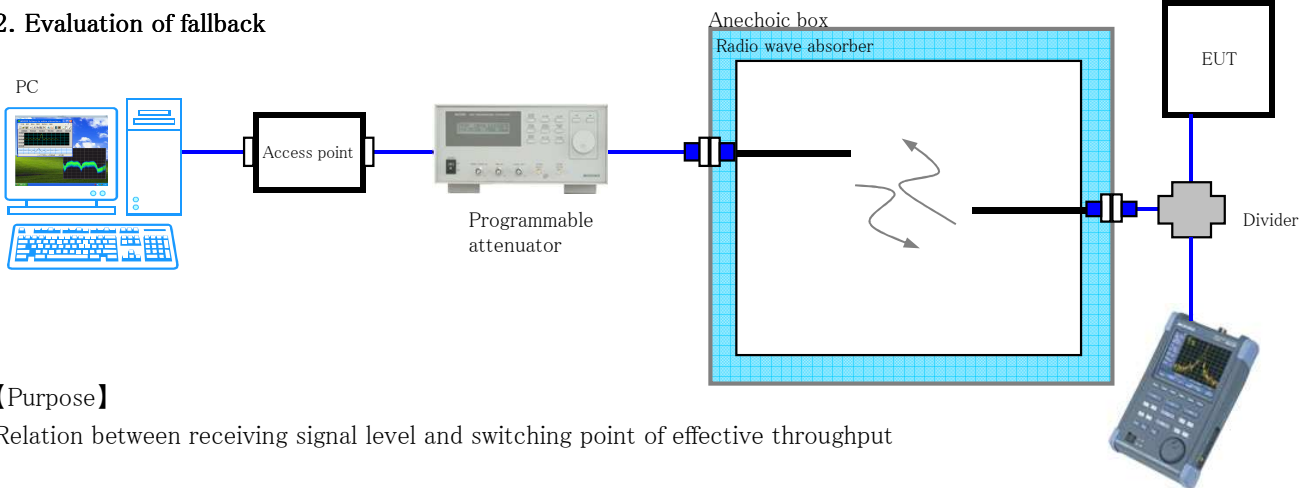
【Purpose】

Relation between receiving signal level and handover occurrence point

The EUT and the access point (hereafter described as AP) ① are made in communication. The programmable attenuator (hereafter described as P-ATT) ① connected to AP① is gradually increased in the attenuation value and the P-ATT② connected to AP② is gradually decreased. And in the moment the handover occurs, the attenuation value of each P-ATT is recorded. At the same time, the level of the signal source can be measured by the spectrum analyzer.

Spectrum analyzer

2. Evaluation of fallback



【Purpose】

Relation between receiving signal level and switching point of effective throughput

The EUT and the access point are made in communication. The attenuation value of the programmable attenuator is gradually increased and the effective throughput of communication is recorded. At the same time, the level of the signal source can be measured by the spectrum analyzer.

Spectrum analyzer

3. Evaluation of receiving characteristics

※ The system construction is same as " 2. Evaluation of fallback ".

【Purpose】

Radio wave strength emitted subordinately

The peak power is measured by transmitting the modulation signal spread in frequency from the EUT and by sweeping the spectrum analyzer.

Programmable attenuator : such as MAT800/D

Anechoic box : such as MY5220, MY1520 and MY1530

Spectrum analyzer : such as MSA458