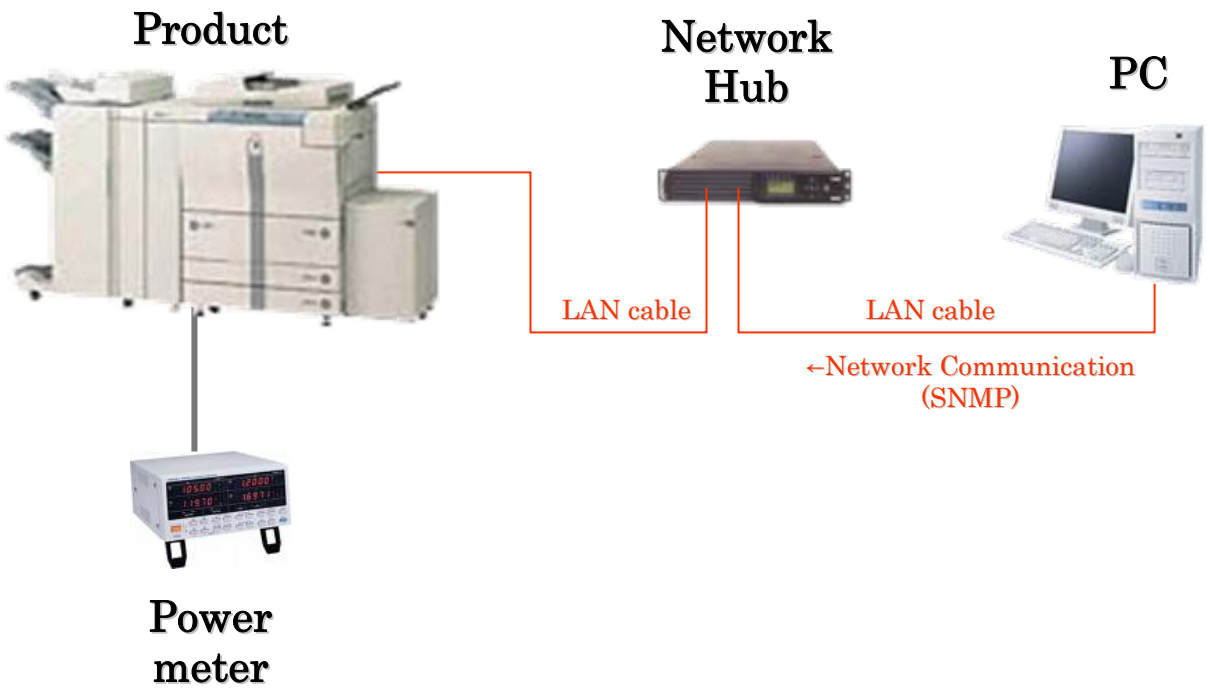
TEC Test Procedure and Network connecting

TEC measurement circumstance



Relationship between Network Communication (SNMP) and Energy consumption

Case1; The machine can maintain a constant energy consumption on sleep mode regardless of SNMP.

Fig.1 Schematic diagram of the energy consumption on sleep mode

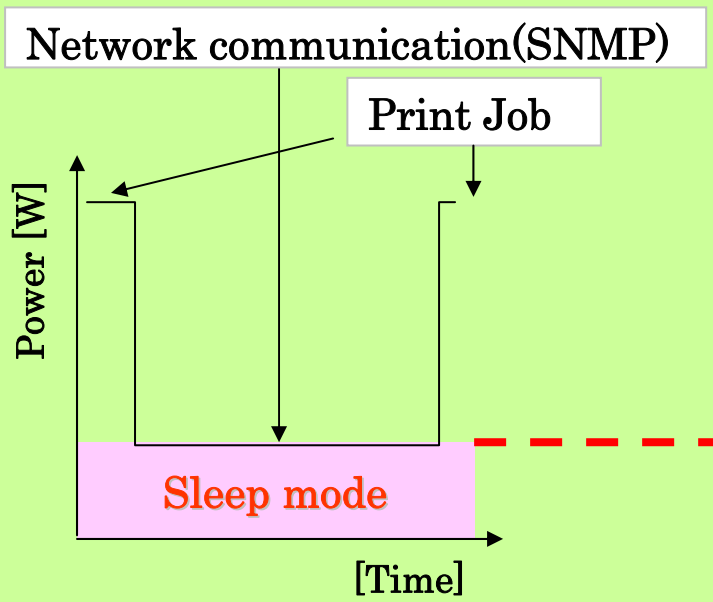
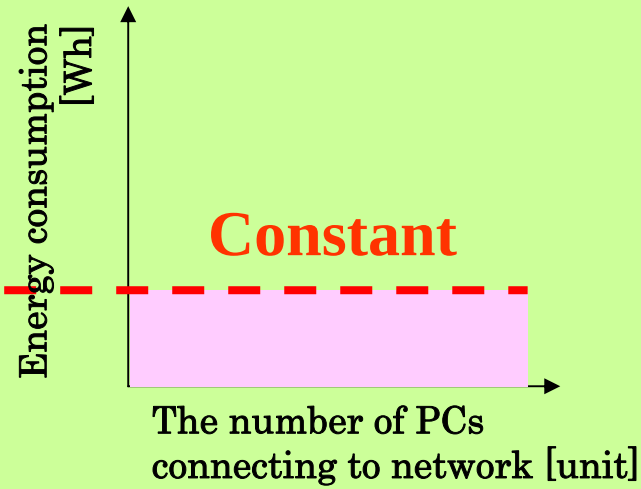


Fig.2 Relationship between the number of PCs connecting to network and energy consumption



Relationship between Network Communication (SNMP) and Energy consumption

Case2; Energy consumption on sleep mode changes according to SNMP.

Fig.3 Schematic diagram of the energy consumption on sleep mode

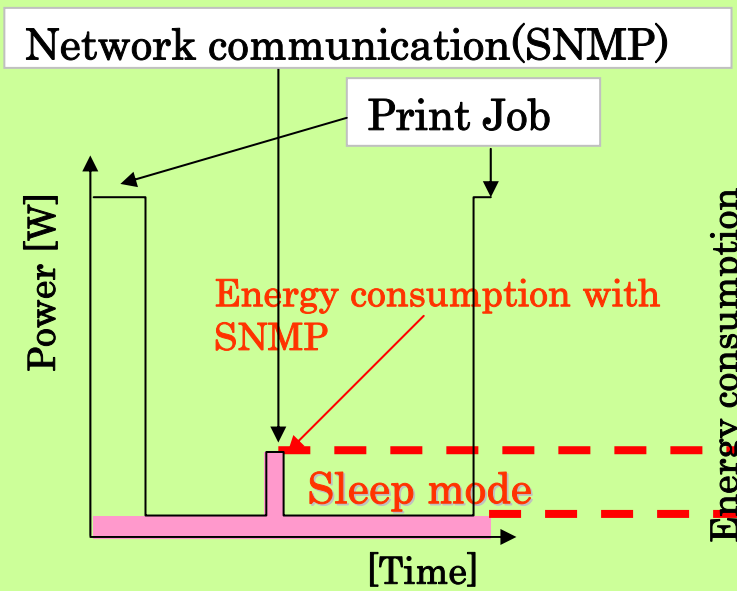
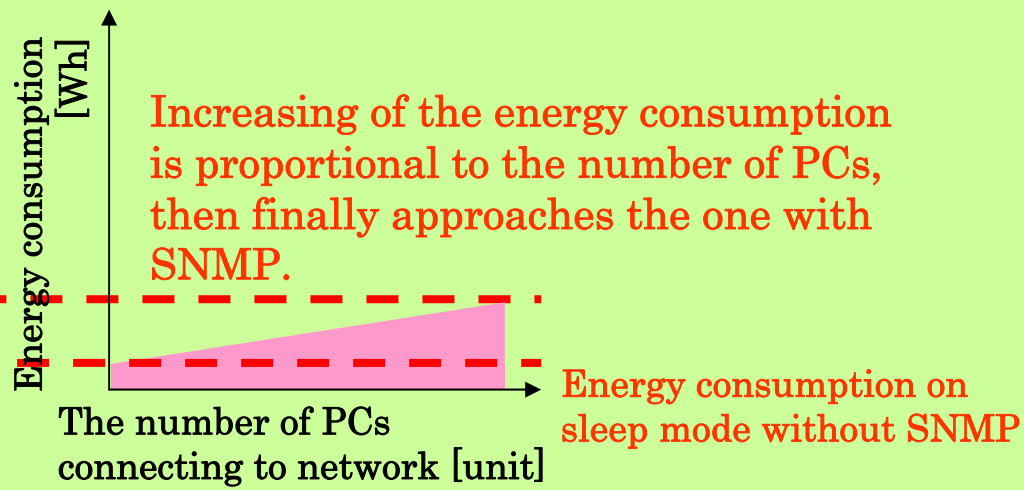
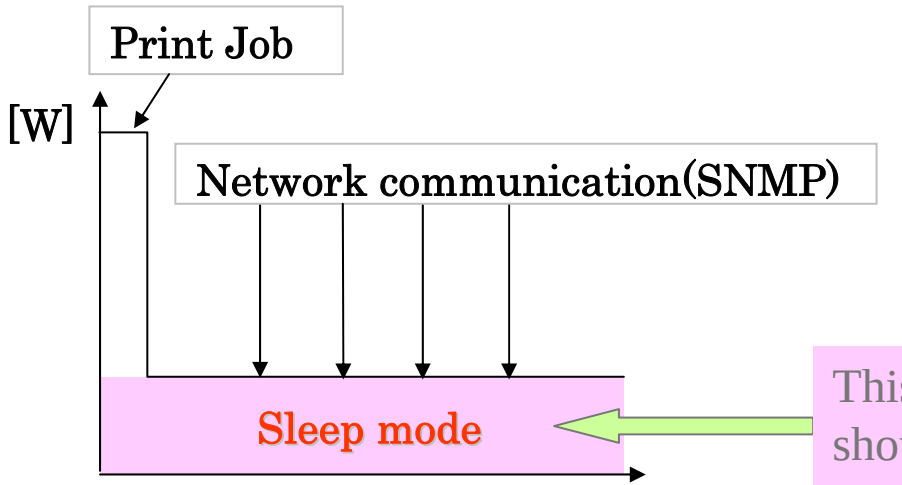


Fig.4 Relationship between the number of PCs connecting to network and energy consumption



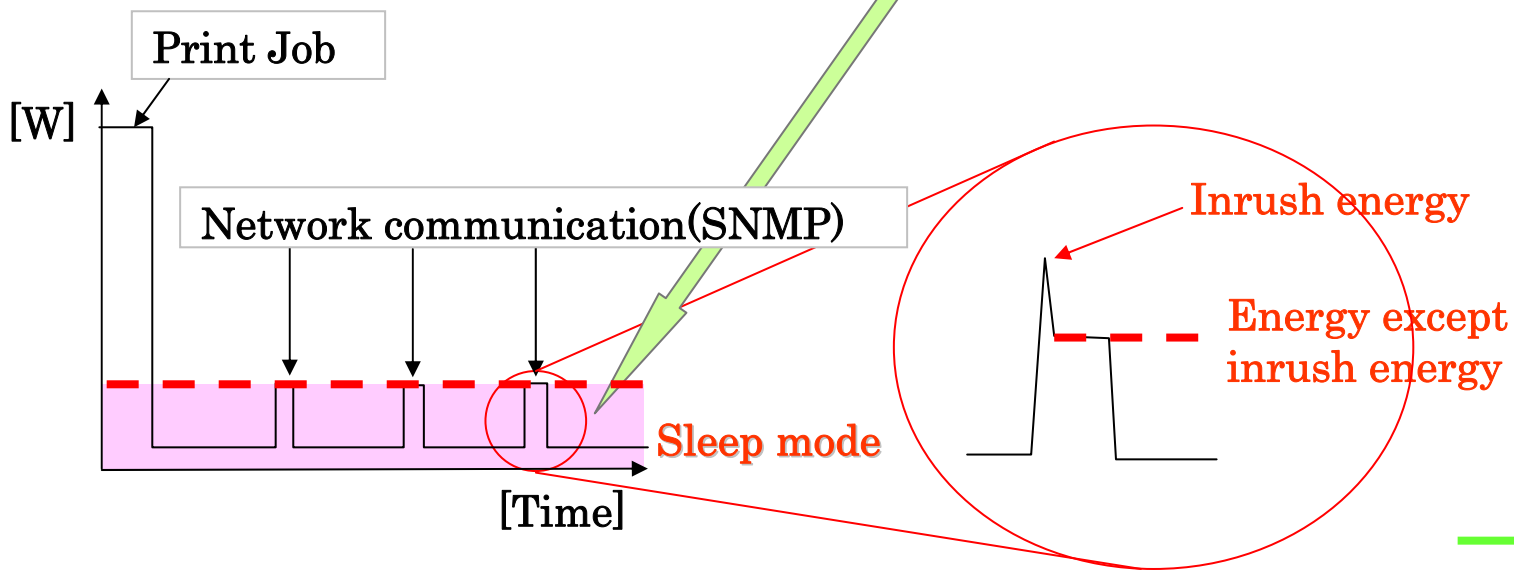
Measurement Method of Energy Consumption on Sleep mode

Case1



This area highlighted in magenta should be measured as energy consumption on sleep mode.

Case2



Summary

1. Network connecting circumstance

- The following two cases should be acceptable as a network connecting to PC sending signals for printing test jobs.
  - Case1; One on one connecting through network hub.
  - Case2; One on one connecting through cross cable.

2. Measurement method of energy consumption on sleep mode

- Measurement method for the following two cases should be separately defined.
  - Case1; The machine can maintain a constant energy consumption on sleep mode regardless of SNMP.
    It would be recommended to measure as a basis of a constant energy consumption on sleep mode.
  - Case2; Energy consumption on sleep mode changes according to SNMP.
    It would be recommended to calculate theoretically as a basis of an assumption that the machine continuously would consume the energy in sleep mode except inrush energy. Because its energy consumption on sleep mode would be changed according to the network connecting circumstance.