CLAIMS

1. A terminal for communicating with a base station apparatus, the terminal comprising:

a controller configured to set maximum transmission power based on Effective Isotropic Radiated Power (EIRP) of the terminal; and

a transmitter configured to transmit an uplink signal based on the maximum transmission power.

2. The terminal according to claim 1, wherein the the uplink signal is precoded.

3. The terminal according to claim 1 or 2, wherein the EIRP is peak EIRP of the terminal.

4. The terminal according to any one of claims 1 to 3, wherein the controller is configured to set the EIRP according to a power class of the terminal.

5. The terminal according to any one of claims 1 to 4, wherein the controller is configured to obtain the EIRP from EIRP in a peak direction of a transmission beam of the uplink signal.

6. The terminal according to any one of claims 1 to 5, wherein the transmitter is configured to transmit information for reporting a power head room including information on the maximum transmission power.

7. A communication method by a terminal for communicating with a base station apparatus, the communication method comprising:

a process of setting maximum transmission power based on Effective Isotropic Radiated Power (EIRP) of the terminal; and

a process of transmitting an uplink signal based on the maximum transmission power.