

## Operational Description

The transmitter of the EUT (Barricade g 2.4GHz 54Mbps Wireless Cable/DSL Broadband Router) is powered by power adapter. The antenna used in this product is External Dipole antenna with reverse SMA connector. Under normal use condition, the user has to keep at least 20cm separation distance between radiator and the body of the user.

The other instruction, please have a look at the users manual.

### DSSS Information

This device is Direct Sequence Spread Spectrum, the data is mixed by pseudorandom code which is an orthogonal code. The mixed data is digital modulated by DBPSK and DQPSK technique depends on the data rates.

The CCK coding is applied for increasing the data rate, and also the processing gain will be increased. The bit rates are 1,2,5.5,11Mbps.