LTE radio frame = 10 ms

1 Subframe = 1 ms
1 slot = 0.5 ms

One slot contains 7 symbols

Two types of Cyclic Prefix supported by LTE:
1) Normal CP (short CP)
   As shown above, if Normal CP is used in LTE and then there are 7 symbols in 1 slot (0.5 milliseconds). So the length of prefix of the first symbol is 5.208 microseconds and the length of the other per symbol is 4.6875 microseconds.
2) Extended CP (long CP)
   It is 16.67 microseconds.

The real architecture consists of the LTE 7 Symbols

(The Normal CP)

By Longhao Zou (zoulonghao@gmail.com)
August, 2012